ROANOKE SAND & GRAVEL CORP.
104 ROCKY POINT ROAD
MIDDLE ISLAND, NY 11953
NYSDEC # 1-4722-00611/00005

2025 2ND QUARTER GROUNDWATER MONITORING EVENT AND REPORT

SUBMITTED TO:

New York State Dept of Environmental Conservation
Division of Mineral Resources
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ENVIRONMENTAL ENGINEERING & CONSULTING

QUARTERLY GROUNDWATER MONITORING EVENT AND REPORT
ROANKE SAND & GRAVEL CORP., 104 ROCKY POINT ROAD, MIDDLE ISLAND, NEW YORK
NYSDEC #1-4722-00611/00005

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1.0 INTRODUCTION

This *Quarterly Groundwater Monitoring Report* (Report) has been prepared by P.W. Grosser Consulting Engineer & Hydrogeologist, DPC (PWGC) on behalf of Roanoke Sand & Gravel Corp. (herein referred to as "the Mine" or "the Site"). The overall objective of this report is to document routine groundwater monitoring and sampling activities for the second quarter of 2025 (April 2025-June 2025) in accordance with Mined Land Reclamation Permit (MLRP) 1-4722-00611/00005 and the approved Groundwater Monitoring Well Sampling Procedure Plan (GMWSPP) developed by PWGC dated June 2023.

The current MLRP authorizes continuation of below-water-table mining within the permitted excavation area to a maximum depth of 140 feet below the groundwater table, as well as the continued excavation of sand and gravel to form a 172.2-acre lake on the property. A permit renewal and minor modification was issued in June 2025, authorizing continuation of operations as approved in the Request for Mining Permit Modification (RMPM) prepared by PWGC (June 2010) and renewed in 2016.

This Report documents groundwater elevation measurements and sampling activities performed on June 9 and 10, 2025, in accordance with the approved GMWSPP. As per the plan, groundwater monitoring and sampling are conducted quarterly at the following wells: 2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, and 10B.

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2.0 SITE DESCRIPTION

2.1. Past and Present Land Use

The Mine is located at the intersection of Miller Place-Yaphank Road and Rocky Point Road, west of William Floyd Parkway and north of Route 25, in Middle Island, New York. The Project area is separated from adjacent land uses by a vegetated buffer zone. Refer to **Figure 1 – Vicinity Map**.

Historical aerial photographs indicates the site has been utilized for mining purposes since at least 1962. Vegetated berms and buffers are maintained to provide visual and acoustical screening. A perimeter fence is maintained for site security.

Sand and gravel are excavated with an electrically powered wet dredge and/or Skyline Dredge Excavator (SDE). Materials are conveyed to the processing area, screened, sorted, stockpiled, and then loaded for delivery to residential, commercial, and municipal construction projects.

Surrounding land uses include residential properties, undeveloped woodland, and commercial properties. The nearest residence is approximately 380 feet west of the Mine. An active mining facility, Coram Materials, is located approximately 4,340 feet northwest of the site.

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3.0 GROUNDWATER MONITORING PLAN COMPLIANCE

Routine groundwater monitoring has been performed at the Mine since at least 2006. A Supply Well Protection Management Plan prepared by PWGC (2008) in support of a Spill Prevention & Response Plan documented installation of seven (7) dual-level monitoring well clusters. Under the permit in effect at that time, samples were analyzed for volatile organic compounds (VOCs) and semi-volatile organic compounds (SVOCs). Sampling was performed quarterly in active working zones (dredging active) and biannually in inactive zones (dredging complete).

Per the 2016 permit application, groundwater samples were analyzed for VOCs, SVOCs, and total metals, with baseline analyses for PCBs, pesticides, and herbicides collected in March 2020. The Groundwater Monitoring Well Sampling Procedure Plan (GMWSPP) submitted in December 2020 proposed routine analyses for TCL VOCs, TCL SVOCs, and total/dissolved metals. This plan has since been superseded by the June 2023 GMWSPP, developed voluntarily to align with the Groundwater Study at Long Island Mines requirements.

The groundwater monitoring program implemented during this quarter, and documented herein, consisted of the following activities:

Monitoring Program	Frequency
Inspection condition of active groundwater monitoring wells	Quarterly
Collect groundwater measurements from active groundwater monitoring wells	Quarterly
Collect groundwater samples from the active groundwater monitoring wells	Quarterly

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4.0 GROUNDWATER MONITORING AND SAMPLING

Groundwater monitoring and sampling for this reporting period were performed by two PWGC hydrogeologists on June 9 and 10, 2025.

4.1. Groundwater Monitoring Network

Eighteen (18) monitoring wells (2A, 2B, 3A, 3B, 4A, 4B, 5A, 5B, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10A, and 10B) comprise the network (see **Figure 2 – Monitoring Well Locations**). The network is configured to monitor upgradient and downgradient conditions to provide early indication of potential groundwater impacts related to mining operations. All wells were inspected during the June 2025 event and were clear, accessible, and in good overall condition.

4.2. Groundwater Level Gauging

4.2.1. Groundwater Level Gauging Procedure

Depth to water (DTW) measurements were obtained on June 10, 2025. Well logs are included as **Attachment A** and field notes as **Attachment B**. An interface probe was lowered slowly into each well to avoid splashing; no non-aqueous phase liquid (NAPL) was observed. Due to dedicated pump installations, depth-to-bottom (DTB) was not measured. DTW measurements were taken from the top of casing (TOC) at the compass-north side or designated notch. The interface probe was decontaminated between wells. The instrument reads to 0.01 foot. Groundwater flow direction was interpreted from the resulting elevations.

4.2.2. Groundwater Level Gauging Results

Data collected on June 10, 2025 were used to generate groundwater elevation contour maps for shallow and deep intervals (**Figure 3 – Groundwater Contours June 2025 Shallow** and **Figure 4 – Groundwater Contours June 2025 Deep**).

Summary of June 2025 Groundwater Elevations (ft AMSL, NAVD 88):
Shallow wells: 51.07 (8A) to 48.87 (7A)
Deep wells: 51.09 (8B) to 48.89 (7B)

Flow in both shallow and deep zones was interpreted to be southeasterly, consistent with previous events.

Groundwater monitoring was conducted at the designated site wells to evaluate water level elevations and hydraulic gradients across the property. The table below summarizes the well identification, location, and gauging results obtained during the most recent monitoring event:

Table 1 – Monitoring Well Gauging Results

Well ID	Latitude	Longitude	Measuring Point (feet above MSL)(NAVD88)	Depth to Water (ft)	Groundwater Elevations
2A	40.8983413	72.9493182	68.53	18.24	50.29
2B	40.8983413	72.9493182	68.40	18.04	50.36
3A	40.8963084	72.9459719	62.34	12.81	49.53

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3B	40.8963084	72.9459719	62.53	12.72	49.81
4A	40.8943198	72.9443509	61.52	11.8	49.72
4B	40.8943198	72.9443509	61.45	11.68	49.77
5A	40.8903809	72.9484147	59.54	9.65	49.89
5B	40.8903809	72.9484147	59.36	9.59	49.77
6A	40.8873610	72.9483034	122.30	72.89	49.41
6B	40.8873610	72.9483034	122.25	72.91	49.34
7A	40.8853720	72.9486928	138.96	89.73	49.23
7B	40.8853720	72.9486928	138.76	89.98	48.78
8A	40.8920719	72.9534393	60.41	9.06	51.35
8B	40.8920719	72.9534393	60.34	9.01	51.33
9A	40.8897605	72.9515666	59.01	8.02	50.99
9B	40.8897605	72.9515666	59.09	8.19	50.90
10A	40.8861100	72.9518230	59.82	9.5	50.32
10B	40.8861100	72.9518230	59.93	10.31	49.62

4.3. Groundwater Monitoring Well Sampling

Groundwater sampling is performed quarterly (March, June, September, and December). For this period, sampling occurred on June 9 and 10, 2025. Activities followed the MLRP (6/20/2025) and the GMWSPP (June 2023).

4.3.1. Groundwater Monitoring Well Sampling Procedure

Prior to 2024, samples were collected using Geotech Geosub 2 portable submersible pumps with dedicated polyethylene tubing. To improve efficiency and reduce waste, dedicated submersible pumps were installed with NYSDEC approval. On March 8, 2024, PWGC installed Proactive Sample Champ XL dedicated submersible pumps at the approximate mid-screen depth in each well with dedicated HDPE tubing; four (4) equipment blanks were collected prior to installation.

The Proactive Sample Champ XL submersible pump wire lengths are listed for each well in the following table:

Table 2 – Dedicated Pump Lengths

Well ID	Wire Length (ft)
2A	40
2B	86
3A	38
3B	86
4A	17
4B	40
5A	22
5B	96
6A	94

6B	103
7A	94
7B	150
8A	23
8B	124
9A	23
9B	115
10A	22
10B	141

Wells were purged at approximately **300 mL/min**, and two **Horiba U-52** meters with flow-through cells recorded field parameters (turbidity, pH, temperature, dissolved oxygen, specific conductance, ORP) every **3–5 minutes**. Stabilization is achieved when three (3) consecutive measurements are within the following limits:

- Turbidity (10% for values greater than 5 NTUs; if three turbidity values are less than 5 NTUs, consider the values as stabilized),
- Dissolved oxygen (10% for values greater than 0.5 mg/L, if three dissolved oxygen values are less than 0.5 mg/L, consider the values as stabilized),
- Specific conductance (3%),
- Temperature (3%),
- pH (± 0.1 unit),
- Oxidation/reduction potential (±10 millivolts).

Samples were collected upon stabilization of field parameters using the above criteria.

4.3.2. Groundwater Monitoring Well Analytical Results

Samples were analyzed by Pace Analytical for:

- VOCs (EPA 8260D)
- SVOCs (EPA 8270E)
- Total and dissolved metals (EPA 200.7)
- Total dissolved solids (TDS) (SM 2540)
- Ammonium (EPA 711)
- Cations/Anions (various standard methods)

Results were compared to 6 NYCRR Part 703.5 Class GA standards and TOGS 1.1.1 criteria. Summary tables are provided in **Attachment C**; laboratory reports in **Attachment D**.

Exceedances – Metals (Total):

- Chromium (total) AWQS 50 µg/L: 148 µg/L @ 4B
- Iron (total) AWQS 300 µg/L: 412 @ 2A; 2,130 @ 4B; 1,160 @ 8B; 568 @ 10B
- Manganese (total) AWQS 300 µg/L: 2,290 @ 7A

Exceedances – Metals (Dissolved):

- Antimony (diss.) AWQS 3 µg/L: 11.7 @ 5B; 7.5 @ 6A (total antimony not reported at 5B/6A)
- Iron (diss.) AWQS 300 µg/L: 932 @ 8B; 469 @ 10B
- Manganese (diss.) AWQS 300 µg/L: 2,250 @ 7A

Exceedances – SVOCs:

- Indeno(1,2,3-cd)pyrene AWQS 0.002 µg/L: 0.07 µg/L (J) @ 3B (estimated; >MDL, <RL)

Exceedances – Anions (Guidance):

- Sulfide GV 0.05 mg/L: 0.4 mg/L (J)(H1)(M1) @ 8A

VOCs were not reported at concentrations that exceed their respective AWQS standards.

Total iron concentrations were reported above their respective AWQS standards at monitoring wells 2A, 4B, 8B and 10B. Although total iron was reported at a concentration that exceeded the AWQS standard at wells 2A and 4B, dissolved iron concentrations were reported at concentrations below its reporting limit (50 ug/L). The elevated total iron concentration reported at 2A and 4B may be attributed to suspended sediment that was filtered out of solution by the 0.45-micron in-line filter.

The concentrations of dissolved iron reported at monitoring well 8B and 10B and total/dissolved manganese reported at 7A exceeded their AWQS standards established in TOGS 1.1.1. Iron and manganese are naturally occurring in soil and groundwater across Long Island and are considered secondary drinking water contaminants and generally not a risk to human health. While the Environmental Protection Agency (EPA) established secondary drinking water standards for these metals to assist public water systems in managing their drinking water for aesthetic consideration such as taste, color, and odor, the EPA does not enforce these.

Dissolved antimony was reported at concentrations that exceeded its AWQS standard at wells 5B and 6A. Total antimony was not reported 5B and 6A.

Indeno(1,2,3-cd)pyrene was reported at a concentration that exceeded its AWQS standard at monitoring well 3B. These concentrations were flagged with a J-qualifier, indicating that the target compound was detected at or above the minimum detection limit (MDL) but below the reporting limit (RL). As such, the reported value is considered an estimate, since it falls below the instrument's ability to quantify with full accuracy. This compound is known as a polycyclic aromatic hydrocarbon (PAH), which is a known byproduct of fossil fuel combustion. This is the first time that Indeno(1,2,3-cd)pyrene was reported at monitoring well 3B. Indeno(1,2,3-cd)pyrene was reported at monitoring well 2B and 3A in Quarter 4 2024 and at monitoring well 6B in Quarter 1 2025.

Sulfide exceeded its AWQS guidance value at monitoring well 8A. The established guidance value for total sulfides is specifically for hydrogen sulfide, which was not specifically analyzed by the laboratory. The laboratory result was accompanied by an M1 qualifier, meaning that the matrix spike recovery performed on the 8A MS/MSD samples exceeded the QC limits, however the batch was accepted based on the laboratory control sample (LCS). The reported sulfide concentration at upgradient monitoring well 8A suggests potential migration onto the site from an upgradient source.

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The stabilization parameters at the time of collection at 8A (ORP-186 mV, DO-5.07 mg/L) and the fact that iron and manganese were reported below the AWQS standard do not support the notion that sulfate reducing bacteria are responsible for this reported concentration or that reduction oxidation (redox) conditions occur at this well location.

4.3.3. Quality Assurance/Quality Control Procedures

In accordance with the NYSDEC guidance document, QA/QC analysis was performed for this sampling event. The following QA/QC samples were included in the analysis:

- **Duplicate Sample-** A blind duplicate, identified as DUP001 on the chain of custody and lab results, was collected as a duplicate sample associated with parent well 3A.
- **MS/MSD-** A matrix spike/matrix spike duplicate, identified as 8A MS/MSD, was collected from well 8A.
- **Trip Blanks-** One (1) trip blank was present in a sample collection cooler containing bottle ware for volatile organic compounds (VOCs) provided by Pace Analytical Services, LLC (Pace Analytical), which is recognized as a New York State Environmental Laboratory Approval Program (ELAP) certified analytical laboratory. The trip blank was maintained in its designated cooler from bottle ware drop off at the PWGC office, located in Bohemia, NY, through sample pickup by a Pace Analytical courier at the PWGC office.

4.3.4. Data Usability Evaluation

The overall objective of the QA/QC program for this groundwater sampling event is to ensure that all procedures produce data of known, documented, and defensible quality. Key QA/QC parameters include precision, accuracy, representativeness, completeness, and comparability. The purpose of the QA/QC measures established for this site is to verify the integrity of all field and analytical activities and to confirm that the resulting data are of the type and quality required to support their intended use.

The QA/QC program for this sampling event included the preparation and analysis of a trip blank for each cooler containing volatile organic compound (VOC) samples, one (1) blind duplicate sample, and the collection and evaluation of a matrix spike (MS) and matrix spike duplicate (MSD). One trip blank was analyzed during this event, and no VOCs were detected above method reporting limits. The blind duplicate was collected from monitoring well 3A to evaluate field precision, and the MS/MSD samples were collected from monitoring well 8A to assess analytical accuracy and precision within the laboratory. The results of these QA/QC samples indicate that sample handling, analytical performance, and data quality objectives were met for this sampling event.

The majority of analytical results from the blind duplicate sample were consistent with those obtained from the parent sample (monitoring well 3A). Both samples were collected in quick succession using a dedicated pump, with pump placement and discharge rate maintained throughout collection to minimize variability. As such, sampling methodology is not considered to have influenced the analytical results. The consistency between the parent and duplicate sample results demonstrates acceptable field precision and indicates that the sampling and analytical procedures were properly implemented and produced reliable data.

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As per the provided case narrative issued in the laboratory report, the following details were provided in reference to the analyses of Total Metals:

- The WG2082283-7/-8 MS/MSD recoveries performed on L2536247-12 are outside the acceptance criteria for potassium (134%/136%). A post digestion spike was performed and yielded an unacceptable recovery of 131%. The serial dilution recovery was not applicable therefore, this element fails the matrix test and the result reported in the native sample should be considered estimated.

The following details were provided in reference to the analyses of Dissolved Metals:

- L2536247-01 and -09: Dissolved results are greater than Total results for Antimony. The sample containers were verified as being labeled correctly by the laboratory.
- L2536247-02, -06, and -07: The dissolved result is greater than the total result for zinc. The sample containers were verified as being labeled correctly by the laboratory, and aliquots were analyzed from each bottle, confirming the original results.
- The WG2082734-3/-4 MS/MSD recoveries performed on L2536247-12 are outside the acceptance criteria for potassium (130%/131%) and silver (128%/128%). A post digestion spike was performed and was within acceptance criteria.

The following details were provided in reference to the analyses of SVOCs:

- The WG2078864-1 Method Blank associated with L2536247-01 through -18 and -20 has a concentration above the reporting limit for naphthalene. Since the associated sample concentrations are non-detect to the RL for this target analyte, no corrective action is required. Any results reported below the reporting limit are qualified with a "B".

The following details were provided in reference to the analyses of anions by ion chromatography:

- The WG2081862-3/-4 MS/MSD recoveries performed on L2536247-12 are outside the acceptance criteria for bromide (74%/72%); however, the associated LCS recovery is within criteria. No further action was taken.

The following details were provided in reference to the analyses of Total Dissolved Solids (TDS):

- The WG2079011-3 Laboratory Duplicate RPD performed on L2536247-12 is outside the acceptance criteria for solids, total dissolved (18%) due to the non-homogeneous nature of the native sample. The WG2079011-4 Laboratory Duplicate RPD performed on L2536247-13 is outside the acceptance criteria for solids, total dissolved (34%) due to the non-homogeneous nature of the native sample.

The following details were provided in reference to the analyses of sulfides:

- The samples were analyzed within the method required hold times with any exceptions noted below.
    - H1: Analysis conducted outside the EPA method holding time.
        - DUP001 (Lab ID: 70361011019)
        - MW-02A (Lab ID: 70361011013)
        - MW-02B (Lab ID: 70361011014)
        - MW-03A (Lab ID: 70361011016)
        - MW-03B (Lab ID: 70361011015)

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  - MW-04A (Lab ID: 70361011017)
  - MW-04B (Lab ID: 70361011018)
  - MW-05A (Lab ID: 70361011010)
  - MW-05B (Lab ID: 70361011009)
  - MW-08A (Lab ID: 70361011012)
  - MW-08B (Lab ID: 70361011011)
- All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.
  - M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
    - MS (Lab ID: 2160298)-Sulfide
    - MSD (Lab ID: 2160299)- Sulfide

No additional data qualifiers were reported by the laboratory related to analyte recovery abnormalities, and all analyte recoveries were within method-specified control limits. The only qualifiers noted in the laboratory report and summary tables were “U” (compound not detected above the method reporting limit) and “J” (estimated concentration). Overall, the analytical data generated during this sampling event are considered valid and of acceptable quality for their intended use.

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5.0 DEVIATIONS FROM THE APPROVED WORKPLAN

5.1. Sample Collection/ Laboratory Analysis Deviations

Upon review of analytical results from Alpha Analytical / Pace Analytical, PWGC identified that certain analytes did not meet the reporting limits specified in Appendix 4 of the Groundwater Study at Long Island Mines Workplan (NYSDEC, June 2022). These deviations reflect laboratory reporting thresholds and do not indicate analytical error or sample handling deficiencies. All associated results remain usable for groundwater quality evaluation because concentrations were below method detection limits or within acceptable ranges for environmental assessment

Table 3 – Reporting Limit Comparison Table

Analyte	Laboratory RL (ug/L)	Specified Reporting Limit (ug/L)
VOCs		
Acetone	5	0.5
2-butanone	5	0.5
2-hexanone	5	0.5
Dichlorodifluoromethane	5	0.5
Chloromethane	2.5	0.5
Vinyl chloride	1	0.5
Bromomethane	2.5	0.5
Chloroethane	2.5	0.5
Trichlorofluoromethane	2.5	0.5
Carbon disulfide	5.0	0.5
Methylene chloride	2.5	0.5
Trans-1,2-dichloroethene	2.5	0.5
Methyl tert-butyl ether	2.5	0.5
1,1-dichloroethene	2.5	0.5
Cis-1,2-dichloroethene	2.5	0.5
Bromochloromethane	2.5	0.5
Chloroform	2.5	0.5
1,1,1-trichloroethane	2.5	0.5
1,2-dichloropropane	1	0.5
4-methyl-2-pentanone	5	0.5
Toluene	2.5	0.5
1,1,2-trichloroethane	1.5	0.5
1,2-dibromoethane	2.0	0.5
Chlorobenzene	2.5	0.5
Ethylbenzene	2.5	0.5
Xylenes	2.5	2.0
Styrene	2.5	0.5
Bromoform	2.0	0.5
Isopropylbenzene	2.5	0.5

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1,3-dichlorobenzene	2.5	0.5
1,4-dichlorobenzene	2.5	0.5
1,2-dichlorobenzene	2.5	0.5
1,2-dibromo-3-chloropropane	2.5	0.5
1,2,4-trichlorobenzene	2.5	0.5
1,2,3-trichlorobenzene	2.5	0.5
1,2-dibromoethane	2	0.5
1,2-dibromo-3-chloropropane	2.5	0.5

SVOCs		
2,4-Dinitrophenol	20	5
4,6-Dinitro-2-methylphenol	10	5
4-Nitrophenol	10	5
1,2,4,5-Tetrachlorobenzene	10	5
Metals		
Beryllium	5	0.5
Cation & Anion		
Sulfate	10,000	500

Herbicides		
Methylchlorophenoxypropionic acid (MCPP)	58.5	1
2-methyl-4-chlorophenoxyacetic acid (MCPA)	63.2	1

Although these analyses did not meet the specified reporting limits for the listed analytes, the majority of the reported results met or were below the applicable AWQS established in NYSDEC TOGS 1.1.1. Exceedances relative to AWQS (because the RL exceeds the standard) were limited to the analytes listed below.

Table 4 – AWQS vs. Reporting Limit Comparison Table

Analyte	Laboratory RL (ug/L)	AWQS Standard (ug/L)
1,1,2-Trichloroethane	1.5	0.5
2,4-Dinitrophenol	20	10
1,2,4,5-Tetrachlorobenzene	10	5
Beryllium	5	3

6.0 CONCLUSIONS AND RECOMMENDATIONS

Groundwater monitoring and sampling for this reporting period were performed by PWGC on June 9 and 10, 2025.

Monitoring wells were observed to be properly secured, maintained, and readily accessible at the time of sampling.

Groundwater elevations measured in June 2025 ranged from 51.07 feet AMSL (NAVD 88) at well 8A to 48.87 feet AMSL (NAVD 88) at well 7A in the shallow well network, and from 51.09 feet AMSL (NAVD 88) at well 8B to 48.89 feet AMSL (NAVD 88) at well 7B in the deep wells. Both shallow and deep groundwater flow were directed southeastward during this monitoring period.

The total iron concentration exceeded the applicable Ambient Water Quality Standard (AWQS) at monitoring wells 2A and 4B; however, the dissolved iron concentrations at these locations were below the corresponding AWQS. Elevated total and dissolved iron concentrations were also observed at wells 8B and 10B, and total and dissolved manganese exceeded the AWQS at well 7A. Iron and manganese are secondary drinking water contaminants associated with aesthetic rather than health-based criteria.

Indeno(1,2,3-cd)pyrene was reported at monitoring well 3B and qualified with a “J” laboratory flag, indicating that the compound was detected above the method detection limit (MDL) but below the reporting limit (RL) and should therefore be considered an estimated value.

Sulfide exceeded its AWQS guidance value at monitoring well 8A. As this well is located upgradient of the active mining area, the elevated sulfide concentration likely reflects migration from an upgradient source rather than site-related activity.

No volatile organic compounds (VOCs) were detected at concentrations exceeding Class GA groundwater standards. The remaining cations, anions, and total dissolved solids (TDS) do not have applicable groundwater standards for comparison.

Historical groundwater monitoring results continue to indicate that mining operations have not adversely impacted groundwater quality at the site. Ongoing groundwater monitoring will continue to evaluate water quality conditions both within and immediately downgradient of the excavation area. Long-term results from the monitoring network demonstrate that the existing operation has not introduced contaminants into the underlying aquifer system.

Given the elevated turbidity observed during well purging and discharge, and recognizing that the wells are equipped with dedicated pumps intended to minimize screen agitation, PWGC recommends that Roanoke Sand & Gravel consider redevelopment of the following wells: 2A, 3A, 3B, 4B, 8B, and 9B. Redevelopment would likely improve hydraulic efficiency and reduce suspended solids during subsequent sampling events.

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FIGURES

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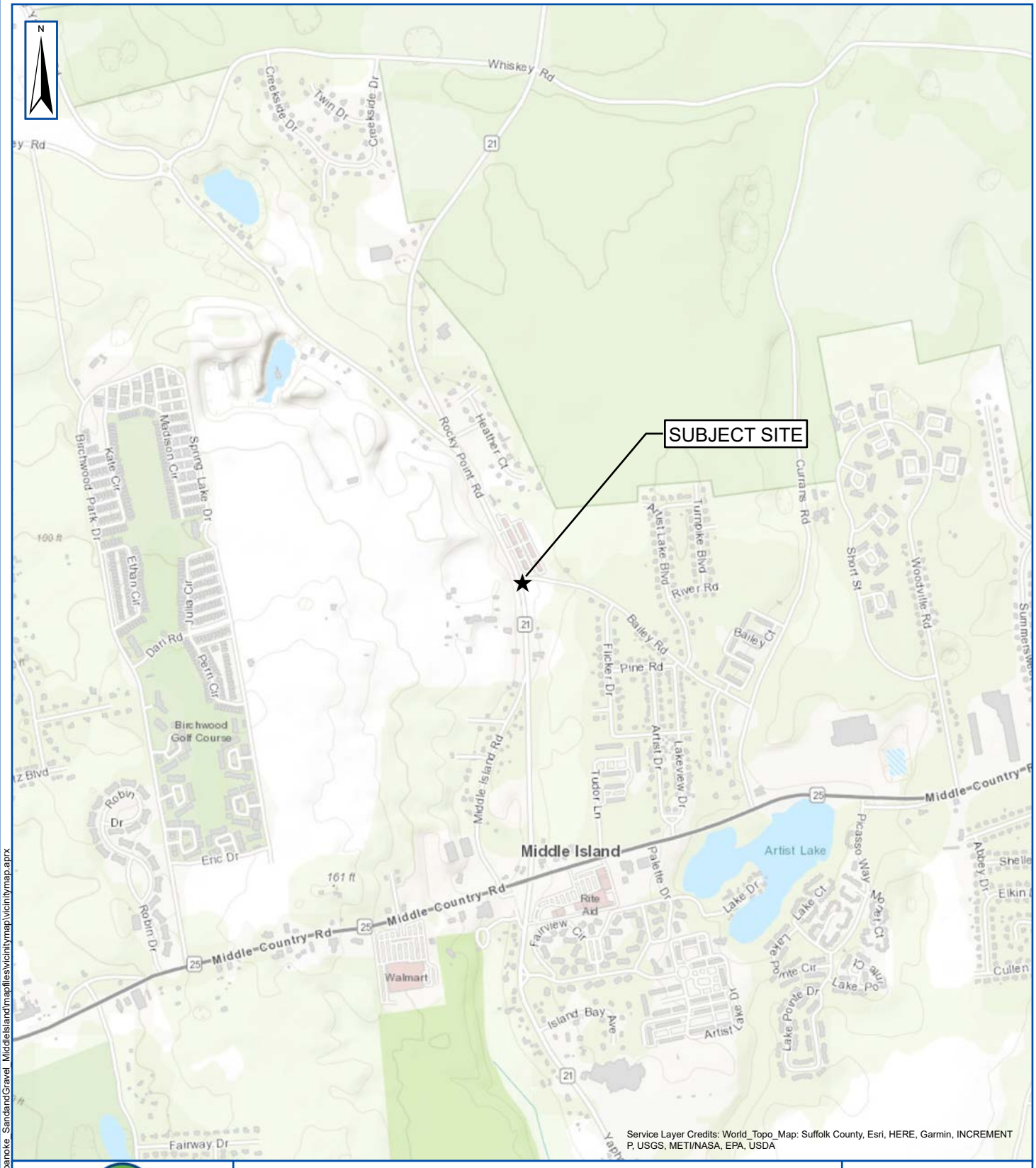

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SUBJECT SITE VICINITY

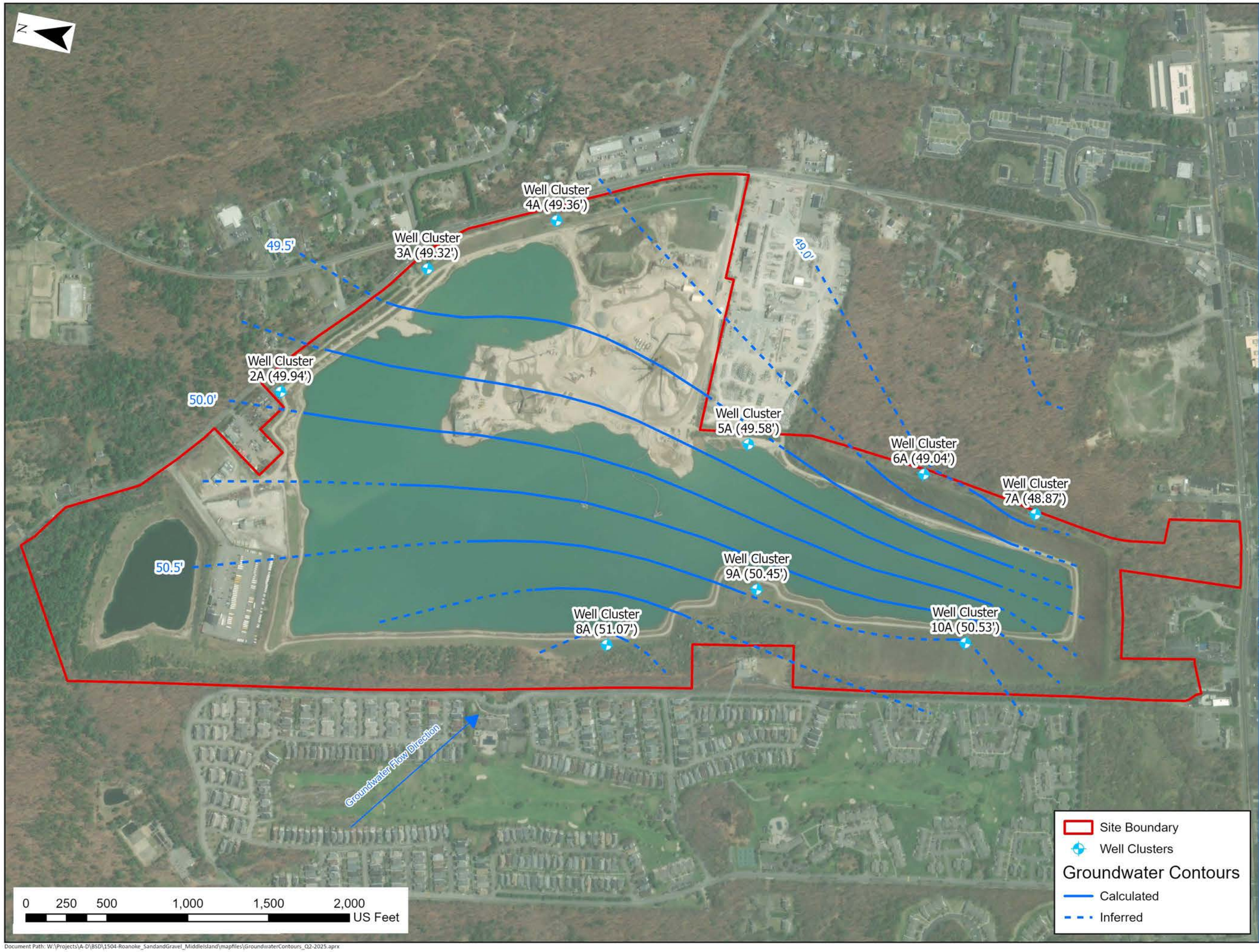
104 ROCKY POINT RD
MIDDLE ISLAND, NY

Miles
0 0.13 0.25 0.5 0.75 1

Project:	
Date:	8/4/2020
Designed by:	RN
Drawn by:	HS
Approved by:	RN
Figure No:	1

Document Path: W:\Projects\A-D\BSD\1504-Roanoke_Sand and Gravel_Middle Island\mapfiles\vicinitymap\vicinitymap.aprx

MIDDLE COUNTRY ROAD
ROUTE 25)
LAND N/F OF MARINO
LAND N/F OF BAYLES
LAND N/F OF THE N.Y. CONFERENCE OF THE UNITED CHURCH OF CHRIST
LAND N/F OF SPRING LAKE BUILDING CORP.
LAND N/F OF SILVER KING BROADCASTING OF N.J. INC.
LAND N/F OF ROANOKE SAND & GRAVEL CORP.
OUTPARCEL
LAND N/F OF ROANOKE SAND & GRAVEL CORP.
LAND N/F OF ROANOKE SAND & GRAVEL CORP.
LAND N/F OF ROANOKE SAND & GRAVEL CORP.



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DRAWING PREPARED FOR:

REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	BSD1504	Designed by:	MM
Date:	6/23/2025	Drawn by:	AM
Scale:	AS SHOWN	Approved by:	MM

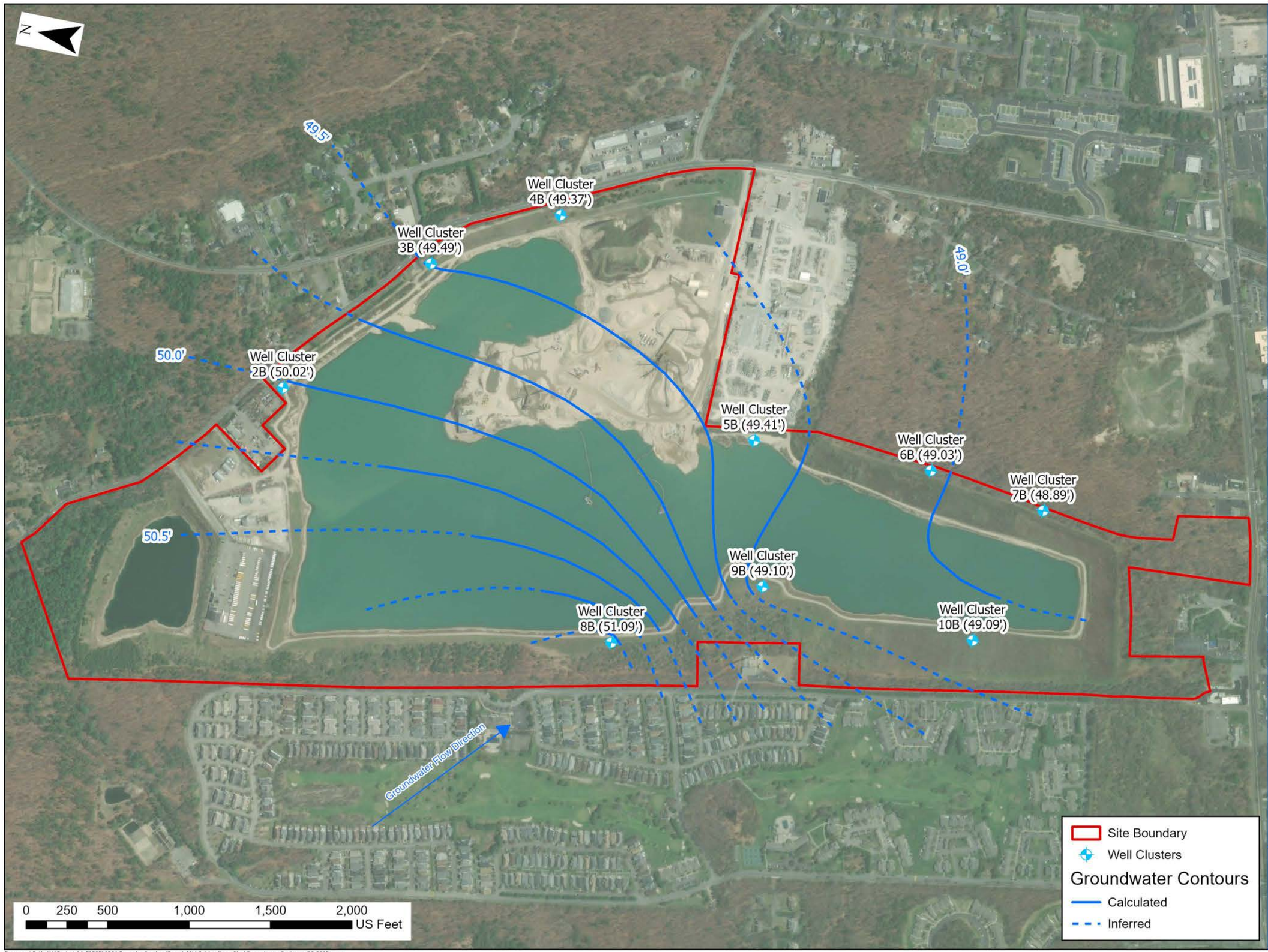
Groundwater Contours Shallow - Quarter 2 2025

104 Rocky Point Road
Middle Island, NY

FIGURE NO:

3

Document Path: W:\Projects\A-D\BSD\1504-Roanoke_SandandGravel_MiddleIsland\mapfiles\GroundwaterContours_Q2-2025.aprx



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REVISION	DATE	INITIAL	COMMENTS

DRAWING INFORMATION:

Project:	BSD1504	Designed by:	MM
Date:	6/23/2025	Drawn by:	AM
Scale:	AS SHOWN	Approved by:	MM

Groundwater Contours Deep - Quarter 2 2025

104 Rocky Point Road
Middle Island, NY

FIGURE NO:

4

Document Path: W:\Projects\A-D\BSD\1504-Roanoke_SandandGravel_MiddleIsland\mapfiles\GroundwaterContours_Q2-2025.aprx

ATTACHMENT A

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
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Well Sampling Log

Well Designation:	2A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	68.53	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	18.59	**Groundwater Elevation (ft):**	49.94
Depth to Bottom (ft):	51.34	**Bottom Elevation (ft):**	16.42
Depth to Top Screen BGS (ft):	32.11	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	52.11	**Well Diameter (in):**	2
Depth to Pump (ft):	40.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	11:24
Sample Time:	12:00	**Complete Purge Time:**	11:59
Pump Type:	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	0.3	**Purge Time (min):**	35
Total Purge Volume (L):	10.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48916
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	11:29	16.50	7.62	514	32	0.210	2.47	
2	NM	11:32	16.40	7.63	218	26	0.211	2.24	
3	NM	11:35	16.35	7.54	180	32	0.210	2.24	
4	NM	11:38	16.44	7.60	120	33	0.210	2.59	
5	NM	11:41	16.48	7.54	59.5	41	0.210	2.46	
6	NM	11:44	16.49	7.60	18.3	42	0.210	2.39	
7	NM	11:47	16.47	7.63	9.2	42	0.210	2.31	
8	NM	11:50	16.46	7.55	0.2	48	0.210	2.39	
9	NM	11:53	16.47	7.61	0.0	49	0.210	2.37	
10	NM	11:56	16.47	7.64	0.0	48	0.210	2.35	
11	**NM**	**11:59**	**16.47**	**7.64**	**0.0**	**48**	**0.210**	**2.34**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

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Well Sampling Log

Well Designation:	2B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	68.40	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	18.38	**Groundwater Elevation (ft):**	50.02
Depth to Bottom (ft):	96.29	**Bottom Elevation (ft):**	-30.01
Depth to Top Screen BGS (ft):	78.74	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	98.41	**Well Diameter (in):**	2
Depth to Pump (ft):	86.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	11:30
Sample Time:	11:45	**Complete Purge Time:**	11:45
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 18105
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	11:30	16.84	7.31	0.0	-37	0.230	0.31	
2	NM	11:33	16.49	7.21	89.3	-56	0.228	0.00	
3	NM	11:36	16.35	7.22	13.5	-36	0.228	0.00	
4	NM	11:29	16.16	7.21	0.0	-18	0.229	0.00	
5	NM	11:42	16.02	7.22	0.0	-4	0.229	0.00	
6	**NM**	**11:45**	**15.91**	**7.22**	**0.0**	**4**	**0.229**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

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Well Sampling Log

Well Designation:	3A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	C
	15 Middle Hwy, East Hampton	**Project Number:**	BSD1504

Measuring Point (feet above MSL) (NAVD88)	62.34	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	13.02	**Groundwater Elevation (ft):**	49.32
Depth to Bottom (ft):	49.26	**Bottom Elevation (ft):**	12.19
Depth to Top Screen BGS (ft):	30.15	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	50.15	**Well Diameter (in):**	2
Depth to Pump (ft):	38.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	10:27
Sample Time:	10:48	**Complete Purge Time:**	10:45
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate mL/min)	0.3	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 18105 DUP001 taken at 3A
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	10:27	15.96	7.33	324	165	0.223	4.81	
2	NM	10:30	16.85	7.33	199	136	0.223	4.76	
3	NM	10:33	17.16	7.32	74.6	118	0.223	4.99	
4	NM	10:36	17.25	7.31	21.8	111	0.222	4.75	
5	NM	10:39	17.27	7.31	0.0	110	0.222	4.68	
6	NM	10:42	17.29	7.32	0.0	110	0.222	4.62	
7	**NM**	**10:45**	**17.25**	**7.33**	**0.0**	**110**	**0.222**	**4.45**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

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Well Sampling Log

Well Designation:	3B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	62.53	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	13.04	**Groundwater Elevation (ft):**	49.49
Depth to Bottom (ft):	96.29	**Bottom Elevation (ft):**	-33.89
Depth to Top Screen BGS (ft):	76.23	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	96.23	**Well Diameter (in):**	2
Depth to Pump (ft):	86.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	10:27
Sample Time:	10:55	**Complete Purge Time:**	10:54
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	0.3	**Purge Time (min):**	27
Total Purge Volume (L):	8.10		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48916
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	10:27	14.77	7.05	714	156	0.260	0.88	
2	NM	10:30	15.19	7.07	298	90	0.261	0.00	
3	NM	10:33	15.46	7.06	173	78	0.262	0.00	
4	NM	10:36	15.53	7.04	95.4	73	0.263	0.00	
5	NM	10:39	15.58	7.03	46.1	65	0.264	0.00	
6	NM	10:42	15.57	7.04	14.6	50	0.264	0.00	
7	NM	10:45	15.56	7.09	4.3	30	0.264	0.00	
8	NM	10:48	15.56	7.08	0.0	12	0.262	0.00	
9	NM	10:51	15.57	7.06	0.0	-1	0.259	0.00	
10	**NM**	**10:54**	**15.55**	**7.05**	**0.0**	**-12**	**0.257**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

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Well Sampling Log

Well Designation:	4A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	61.52	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	12.16	**Groundwater Elevation (ft):**	49.36
Depth to Bottom (ft):	28.72	**Bottom Elevation (ft):**	32.33
Depth to Top Screen BGS (ft):	9.19	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	29.19	**Well Diameter (in):**	2
Depth to Pump (ft):	17.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	09:00
Sample Time:	09:28	**Complete Purge Time:**	09:24
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	24
Total Purge Volume (L):	7.20		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 18105
Date Shipped:	6/10/2025		
Headspace (ppm)			
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:00	16.46	6.00	79.2	232	0.230	2.76	
2	NM	9:03	17.14	7.02	50.4	157	0.225	3.00	
3	NM	9:06	17.18	7.15	0.0	146	0.224	2.32	
4	NM	9:09	17.16	7.24	0.0	156	0.224	2.28	
5	NM	9:12	17.16	7.27	0.0	168	0.223	2.28	
6	NM	9:15	17.15	7.28	0.0	172	0.223	2.24	
7	NM	9:18	17.14	7.28	0.0	178	0.223	2.43	
8	NM	9:21	17.03	7.27	0.0	180	0.223	2.62	
9	**NM**	**9:24**	**17.01**	**7.26**	**0.0**	**181**	**0.222**	**2.22**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

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Well Sampling Log

Well Designation:	4B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	61.45	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	12.08	**Groundwater Elevation (ft):**	49.37
Depth to Bottom (ft):	46.66	**Bottom Elevation (ft):**	14.22
Depth to Top Screen BGS (ft):	27.23	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	47.23	**Well Diameter (in):**	2
Depth to Pump (ft):	40.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	9:00
Sample Time:	9:30	**Complete Purge Time:**	9:27
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	27
Total Purge Volume (L):	8.10		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba:48919
Date Shipped:	6/10/2025		
Headspace (ppm)			
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:00	17.01	6.61	100	188	0.275	1.28	
2	NM	9:03	16.46	6.49	64.0	205	0.214	2.72	
3	NM	9:06	16.35	6.55	57.8	199	0.208	0.77	
4	NM	9:09	16.30	6.60	49.4	193	0.206	0.00	
5	NM	9:12	16.22	6.66	39.2	188	0.205	0.00	
6	NM	9:15	16.15	7.70	39.0	183	0.205	0.00	
7	NM	9:18	16.08	6.74	40.3	177	0.205	0.00	
8	NM	9:21	16.04	7.75	40.6	172	0.205	0.00	
9	NM	9:24	15.99	6.72	40.3	167	0.205	0.00	
10	**NM**	**9:27**	**15.45**	**6.69**	**37.9**	**163**	**0.205**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	5A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.54	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.96	**Groundwater Elevation (ft):**	49.58
Depth to Bottom (ft):	38.31	**Bottom Elevation (ft):**	20.20
Depth to Top Screen BGS (ft):	19.34	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	39.34	**Well Diameter (in):**	2
Depth to Pump (ft):	22.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	14.46
Sample Time:	15:05	**Complete Purge Time:**	15.01
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48919
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	14:46	11.02	6.80	0.0	-2	0.209	5.84	
2	NM	14:49	10.55	7.08	0.0	5	0.209	7.58	
3	NM	14:52	10.40	7.20	0.0	12	0.210	7.63	
4	NM	14:55	10.34	7.30	0.0	18	0.210	7.69	
5	NM	14:58	10.22	7.36	0.0	20	0.210	7.70	
6	**NM**	**15:01**	**10.12**	**7.39**	**0.0**	**22**	**0.210**	**7.73**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	5B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.36	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.95	**Groundwater Elevation (ft):**	49.41
Depth to Bottom (ft):	106.28	**Bottom Elevation (ft):**	
Depth to Top Screen BGS (ft):	87.95	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	107.95	**Well Diameter (in):**	2
Depth to Pump (ft):	96.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	14:46
Sample Time:	15:02	**Complete Purge Time:**	15:01
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	0.3	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba:18105
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	14:46	13.08	6.79	0.0	188	0.221	4.17	
2	NM	14:49	13.04	6.80	0.0	149	0.222	2.77	
3	NM	14:52	12.85	6.81	0.0	164	0.218	2.59	
4	NM	14:55	12.80	6.74	0.0	179	0.224	2.86	
5	NM	14:58	12.76	6.68	0.0	192	0.229	2.68	
6	**NM**	**15:01**	**12.80**	**6.67**	**0.0**	**195**	**0.230**	**2.71**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	6A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	122.30	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	73.26	**Groundwater Elevation (ft):**	49.04
Depth to Bottom (ft):	106.00	**Bottom Elevation (ft):**	8.70
Depth to Top Screen BGS (ft):	84.00	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	104.00	**Well Diameter (in):**	2
Depth to Pump (ft):	94.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	13:37
Sample Time:	12:57	**Complete Purge Time:**	12:55
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	0.3	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 18105
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	12:37	14.25	6.67	0.0	129	0.209	0.00	
2	NM	12:40	14.05	6.82	0.0	131	0.241	1.43	
3	NM	12:43	14.30	6.89	0.0	136	0.249	1.41	
4	NM	12:46	13.85	6.96	0.0	194	0.260	1.63	
5	NM	12:49	13.82	6.97	0.0	160	0.260	1.65	
6	NM	12:52	13.83	6.97	0.0	152	0.260	1.66	
7	**NM**	**12:55**	**13.84**	**6.98**	**0.0**	**155**	**0.260**	**1.67**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	6B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	122.25	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	73.22	**Groundwater Elevation (ft):**	49.03
Depth to Bottom (ft):	113.60	**Bottom Elevation (ft):**	8.65
Depth to Top Screen BGS (ft):	93.60	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	113.60	**Well Diameter (in):**	2
Depth to Pump (ft):	103.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	12:37
Sample Time:	12:50	**Complete Purge Time:**	12:49
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (L/M):	0.3	**Purge Time (min):**	12
Total Purge Volume (L):	3.60		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48916
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (°C)	pH	Turbidity	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	12:37	13.42	6.30	0.0	162	0.224	3.78	
2	NM	12:40	13.94	6.22	0.0	156	0.224	0.00	
3	NM	12:43	13.99	6.24	0.0	156	0.223	0.00	
4	NM	12:46	14.00	6.24	0.0	159	0.222	0.27	
5	**NM**	**12:49**	**13.98**	**6.23**	**0.0**	**163**	**0.222**	**0.40**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	7A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	138.96	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	90.09	**Groundwater Elevation (ft):**	48.87
Depth to Bottom (ft):	104.29	**Bottom Elevation (ft):**	34.63
Depth to Top Screen BGS (ft):	84.33	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	104.33	**Well Diameter (in):**	2
Depth to Pump (ft):	94.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	11:40
Sample Time:	11:53	**Complete Purge Time:**	11:52
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	12
Total Purge Volume (L):	3.60		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48916
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	11:40	14.60	6.31	0.0	115	0.322	0.53	
2	NM	11:43	14.24	6.57	0.0	118	0.327	0.00	
3	NM	11:46	14.62	6.67	0.0	127	0.338	0.00	
4	NM	11:49	14.70	6.70	0.0	133	0.362	0.00	
5	**NM**	**11:52**	**14.71**	**6.71**	**0.0**	**136**	**0.361**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	7B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	138.76	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	89.87	**Groundwater Elevation (ft):**	48.89
Depth to Bottom (ft):	159.90	**Bottom Elevation (ft):**	-21.14
Depth to Top Screen BGS (ft):	140	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	159.90	**Well Diameter (in):**	2
Depth to Pump (ft):	150.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	11:41
Sample Time:	12:00	**Complete Purge Time:**	11:59
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	0.3	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 18105
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	11:41	14.40	6.53	3.5	160	0.258	1.03	
2	NM	11:44	13.61	6.63	0.0	56	0.262	0.00	
3	NM	11:47	13.94	6.78	0.0	64	0.239	0.00	
4	NM	11:50	14.03	6.76	0.0	74	0.293	0.00	
5	NM	11:53	14.10	6.75	0.0	81	0.294	0.00	
6	NM	11:56	14.13	6.75	0.0	86	0.295	0.00	
7	**NM**	**11:59**	**14.14**	**6.75**	**0.0**	**89**	**0.295**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	8A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	60.41	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.34	**Groundwater Elevation (ft):**	51.07
Depth to Bottom (ft):	35.15	**Bottom Elevation (ft):**	25.26
Depth to Top Screen BGS (ft):	15.15	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	35.15	**Well Diameter (in):**	2
Depth to Pump (ft):	23.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	13:10
Sample Time:	13:25	**Complete Purge Time:**	13:19
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	9
Total Purge Volume (L):	2.70		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. MS/MSD Collected at this location. Horiba: 18205
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft)	Time	Temp.	pH	Turbidity	ORP	Cond.	DO	Note
	below MP	HH:MM	(ºC)		NTU	mV	(mS/cm)	mg/L	
1	NM	13:10	14.54	6.81	108	115	0.194	6.18	
2	NM	13:13	14.56	6.25	0.0	163	0.203	5.17	
3	NM	13:16	14.75	6.14	0.0	178	0.206	5.10	
4	**NM**	**13:19**	**14.78**	**6.11**	**0.0**	**186**	**0.206**	**5.07**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	8B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	60.34	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.25	**Groundwater Elevation (ft):**	51.09
Depth to Bottom (ft):	134.20	**Bottom Elevation (ft):**	-75.74
Depth to Top Screen BGS (ft):	116.08	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	136.08	**Well Diameter (in):**	2
Depth to Pump (ft):	124.00		
Sample Date:	6/9/2025	**Begin Purge Time:**	13:12
Sample Time:	14:20	**Complete Purge Time:**	14:18
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	64
Total Purge Volume (L):	19.20		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48916
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	13:12	13.97	7.30	1000+	140	0.108	6.14	
2	NM	13:15	13.88	6.74	796	81	0.106	1.27	
3	NM	13:18	13.59	6.68	1000+	8	0.107	0.00	
4	NM	13:21	13.60	6.66	1000+	4	0.107	0.00	
5	NM	13:24							Cleaned Horiba
6	NM	13:27	13.61	6.51	572	2	0.107	0.00	
7	NM	13:30	13.68	6.51	477	3	0.107	0.00	
8	NM	13:33	13.58	6.50	377	3	0.108	0.00	
9	NM	13:36	13.51	6.49	289	4	0.108	0.00	
10	NM	13:39	13.49	6.47	239	4	0.108	0.00	
11	NM	13:42	13.48	6.45	184	5	0.108	0.00	
12	NM	13:45	13.52	6.42	131	7	0.108	0.00	
13	NM	13:48	13.53	6.42	104	6	0.108	0.00	
14	NM	13:51	13.53	6.41	87.8	7	0.108	0.00	
15	NM	13:54	13.54	6.41	66.3	7	0.107	0.00	
16	NM	13:57	12.73	6.36	58.4	7	0.107	0.00	
17	NM	14:00	12.65	6.37	37.0	7	0.107	0.00	
18	NM	14:03	12.51	6.37	17.0	6	0.107	0.00	
19	NM	14:06	12.48	6.41	13.7	6	0.107	0.00	
20	NM	14:09	12.49	6.45	4.4	6	0.107	0.00	
21	NM	14:12	12.46	6.44	0.0	6	0.107	0.00	
22	NM	14:15	12.46	6.43	0.0	6	0.107	0.00	
23	**NM**	**14:18**	**12.45**	**6,43**	**0.0**	**6**	**0.107**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	9A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.01	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	8.56	**Groundwater Elevation (ft):**	50.45
Depth to Bottom (ft):	34.82	**Bottom Elevation (ft):**	23.65
Depth to Top Screen BGS (ft):	15.36	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	35.36	**Well Diameter (in):**	2
Depth to Pump (ft):	23.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	8:50
Sample Time:	9:10	**Complete Purge Time:**	9:08
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min):	0.3	**Purge Time (min):**	18
Total Purge Volume (L):	5.40		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 48919
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	8:50	15.07	5.27	0.0	253	0.190	7.08	
2	NM	8:53	13.11	5.28	0.0	254	0.189	7.00	
3	NM	8:56	13.25	5.33	0.0	259	0.187	6.94	
4	NM	8:59	13.36	5.36	0.0	262	0.185	6.89	
5	NM	9:02	13.37	5.37	0.0	263	0.185	6.90	
6	NM	9:05	13.36	5.39	0.0	265	0.185	6.89	
7	**NM**	**9:08**	**13.35**	**5.40**	**0.0**	**266**	**0.184**	**6.85**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	9B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.09	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.99	**Groundwater Elevation (ft):**	49.10
Depth to Bottom (ft):	125.65	**Bottom Elevation (ft):**	-68.28
Depth to Top Screen BGS (ft):	107.37	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	127.37	**Well Diameter (in):**	2
Depth to Pump (ft):	115.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	8:50
Sample Time:	9:15	**Complete Purge Time:**	9:14
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	24
Total Purge Volume (L):	7.20		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba:18105
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	8:50	13.28	6.89	896	-4	0.243	0.00	
2	NM	8:53	13.26	7.32	323	-38	0.238	0.00	
3	NM	8:56	13.19	7.66	189	-64	0.241	0.00	
4	NM	8:59	13.11	7.96	70.5	-80	0.240	0.00	
5	NM	9:02	13.11	8.22	23.7	-97	0.237	0.00	
6	NM	9:05	13.08	8.36	6.9	-105	0.236	0.00	
7	NM	9:08	13.07	8.47	0.0	-115	0.237	0.00	
8	NM	9:11	13.06	8.56	0.0	-123	0.237	0.00	
9	**NM**	**9:14**	**13.01**	**8.61**	**0.0**	**-128**	**0.237**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

P.W. GROSSER CONSULTING, Inc

Well Sampling Log

Well Designation:	10A	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.82	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	9.29	**Groundwater Elevation (ft):**	50.53
Depth to Bottom (ft):	34.01	**Bottom Elevation (ft):**	25.81
Depth to Top Screen BGS (ft):	14.01	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	34.01	**Well Diameter (in):**	2
Depth to Pump (ft):	22.00		

Sample Date:	6/10/2025	**Begin Purge Time:**	9:44
Sample Time:	10:00	**Complete Purge Time:**	9:56
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	12
Total Purge Volume (L):	3.60		
Sample Appearance:	Clear	**Odors Observed:**	Sulfuric
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba #48916
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:44	12.74	5.53	0.0	278	0.195	5.21	
2	NM	9:47	13.57	5.53	0.0	275	0.196	5.53	
3	NM	9:50	13.35	5.48	0.0	278	0.191	8.59	
4	NM	9:53	13.57	5.52	0.0	276	0.194	7.67	
5	**NM**	**9:56**	**13.61**	**5.51**	**0.0**	**277**	**0.195**	**7.51**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

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Well Sampling Log

Well Designation:	10B	**Sampled By:**	KM/AM
Site Address:	104 Rocky Point Road Middle Island NY	**Project Manager:**	MM
		Project Number:	BSD1504

Measuring Point (feet above MSL) (NAVD88)	59.93	**Well Use:**	Monitoring
Depth to Product (ft):	N/A	**Product Elevation (ft):**	N/A
Depth to Water (ft):	10.84	**Groundwater Elevation (ft):**	49.09
Depth to Bottom (ft):	151.40	**Bottom Elevation (ft):**	-91.97
Depth to Top Screen BGS (ft):	131.90	**Pump Speed**	NR
Depth to Bottom Screen below BGS (ft):	151.90	**Well Diameter (in):**	2
Depth to Pump (ft):	141.00		
Sample Date:	6/10/2025	**Begin Purge Time:**	9:44
Sample Time:	10:00	**Complete Purge Time:**	9:59
Pump Type	Sample Champ XL	**Sample Method:**	Low Flow
Average Purge Rate (mL/min)	0.3	**Purge Time (min):**	15
Total Purge Volume (L):	4.50		
Sample Appearance:	Clear	**Odors Observed:**	None
Analytical Laboratory:	Pace/Galbraith	**Notes:**	Well is accessible and in good condition. Dissolved metals were collected using a 0.45 micron in-line filter. Horiba: 18105
Date Shipped:	6/10/2025		
Headspace (ppm)	NM		
Analyses Requested:			
VOCs, SVOCs, TAL Metals (Total and Dissolved), Cations/Anions, Total Dissolved Solids.			

Field Stabilization Parameters

Reading	DTW (ft) below MP	Time HH:MM	Temp. (ºC)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L	Note
1	NM	9:44	13.37	7.92	32.3	92	0.208	0.00	
2	NM	9:47	13.05	7.19	27.6	2	0.174	0.00	
3	NM	9:50	13.04	6.69	0.0	16	0.182	0.00	
4	NM	9:53	13.07	6.45	0.0	30	0.183	0.00	
5	NM	9:56	14.04	6.32	0.0	40	0.199	0.00	
6	**NM**	**9:59**	**13.01**	**6.24**	**0.0**	**48**	**0.203**	**0.00**	
Stabilization Parameters			3%	±0.1	10%*	±10	3%	10%*	

*Turbidity if three values are less than 5NTU , consider the values stabilized

*DO if three values are less than 0.5 mg/L, consider the values stabilized

ATTACHMENT B

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
631.589.6353 • WWW.PWGROSSER.COM • PWGC.INFO@PWGROSSER.COM
BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO • SYRACUSE

06/09/2025 BSD1504 - Roanoke Sand + Gravel
104 Rocky Point Rd. Middle Island Overcast, rain to 50° Wind 5 mph SE
0800 PWGC (KM + AM) on site. Mobilize to cluster 4.
0840 PWGC sets up a two-bucket alconox solution to decontaminate equipment (depth to water meter). and calibrates U-52 Horibas #48916 and #18105. See attached equipment calibration logs. Cal. successful.
0900 MW-04 cluster purging at low flow (300 mL/min).
0930 MW-04S and MW-04D sampled after parameters stabilized
1027 Equip decanned, MW-3 cluster purging at low flow.
1055 MW-3 cluster sampled. DUP001 taken at MW-03S. No drawdown obvs. prior to sampling. Decon. equip.
1130 MW-2 cluster purging @ 300mL/min
1200 MW-2 cluster sampled after parameters stabilized. No drawdown obvs. Equip. decanned.
1310 MW-8 cluster purge begins at low flow.
1325 MW-08B flow cell opened and cleaned after NTU readings are not decreasing -- reading as 100.0 when values are likely 1000+ at first. Purge continues after sediment cleared
1325 MW-08A sampled. MS/MSD samples taken at MW-08A. No drawdown obvs. at either well.
1420 MW-08B sampled, equipment decanned.
1446 MW-05 cluster purge begins at low flow.
1505 MW-05 cluster sampled. PWGC will re-gauge wells sampled today tomorrow (6/10) for GW Contours Map.
1515 PWGC off site, texted Tom to update off site

KM

6/10/2025 BSD1504 Weather - rain
WIND - 2-3mph E

Roanoke Sand and Gravel - 104 Rocky Point Road Middle Island

0815 PWGL (KM + AM) on site to complete Q2 GW Monitoring event. Started with re-gauging MW-08 cluster (see below), set up alconox decontamination solution. Calibrated Horibas (see calibration log).

0850 MW-09 cluster purging at low flow (~300 ml/min).

0915 No drawdown obvs. at either well prior to sampling, MW-09 cluster sampled, DTW meter decanned.

0945 MW-10 cluster purging at low flow, no drawdown obvs. Mike (site super) gives well keys for wells on hill.

1000 MW-10 parameters stable, wells sampled, equip decanned after measuring no drawdown.

1200 MW-7 cluster sampled, equip decanned

1300 MW-6 (KM) cluster sampled, equip decanned,

1315 ~~FIELD~~ (KM) Keys returned to office, wells sampled yesterday (6/09) re-gauged.

MW-08A	9.34'	MW-08B	9.25'
MW-02A	18.59'	MW-02B	18.38'
MW-03A	13.02'	MW-03B	13.04'
MW-05A	9.96'	MW-05B	9.95'

1340 PWGL off site, PACE picking up samples from Bohemia office.

(KM)

P.W. GROSSER CONSULTING, Inc

6/9/2025

Equipment Calibration Log

Equipment Model	Serial Number	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
U-52 Horiba	48916 // 21150	08:40	18.37	3.79	0.0	298	4.49	8.50
U-52 Horiba	18105 // 40280	08:40	18.96	3.96	0.0	261	4.48	8.32
Calibration Values				4.00	0.0	221-241	4.49	0.0

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PWGC

Equipment Calibration Log

Equipment Model	Serial Number	Time HH:MM	Temp. (°C)	pH	Turbidity NTU	ORP mV	Cond. (mS/cm)	DO mg/L
	18105//40280	08:36	18.67	3.86	0.0	308	4.51	8.20
	489161/21150	08:38	18.24	3.94	0.0	285	4.50	9.30
Calibration Values				4.00	0.0	221-241	4.49	0.0

ATTACHMENT C

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
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LOCATION					MW-02A		MW-02B		MW-03A		DUP001 (Parent Well: 3A)		MW-03B		MW-04A		MW-04B		MW-05A		MW-05B		MW-06A		MW-06B		MW-07A		MW-07B		MW-08A		MW-08B		MW-09A		MW-09B		MW-10A		MW-10B		TRIP BLANK	
SAMPLING DATE					6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/9/2025		6/10/2025		6/10/2025		6/10/2025		6/9/2025		6/10/2025		6/10/2025		6/9/2025		6/10/2025		6/9/2025	
LAB SAMPLE ID					L2536247-13		L2536247-14		L2536247-16		L2536247-28		L2536247-15		L2536247-17		L2536247-18		L2536247-10		L2536247-09		L2536247-01		L2536247-02		L2536247-03		L2536247-04		L2536247-12		L2536247-11		L2536247-07		L2536247-06		L2536247-05		L2536247-19	
SAMPLE TYPE					WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER		WATER	
SAMPLE DEPTH (ft.)																																												
	CasNum	NY-AWQS	USEPA-MCL	NYSDOH-MCL	Units	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual	Results	Qual
Anions by Ion Chromatography																																												
Bromide	24959-67-9	2000			ug/l	65		70		70		70		80		68		71		75		59		68		670		76		834		108		55		63		54		108		70		-	-
Dissolved Metals																																												
Aluminum, Dissolved	7429-90-5				ug/l	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	100	U	-	-
Antimony, Dissolved	7440-36-0	3			ug/l	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	11.7	J	7.5	J	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	-	-
Arsenic, Dissolved	7440-38-2	25			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	2	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Barium, Dissolved	7440-39-3	1000			ug/l	22.1		46.4		23		23.8		24.2		16.7		20.2		12.7		67.6		23		43		75.5		39.7		38.7		2.8		38.9		10	U	40.4		23.5		-	-
Beryllium, Dissolved	7440-41-7	3			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Cadmium, Dissolved	7440-43-9	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Calcium, Dissolved	7440-70-2				ug/l	25700		25900		25100		26000		29500		26200		21900		23700		18900		32400		22400		47200		36500		16600		8090		12400		33100		16800		14300		-	-
Chromium, Dissolved	7440-47-3	50			ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Cobalt, Dissolved	7440-48-4				ug/l	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	4.9	J	-	-
Copper, Dissolved	7440-50-8	200			ug/l	10.3	J	2.8	J	10	U	8.1	J	10	U	2.1	J	9.1	J	5.2	J	10	U	7.4	J	6.4	J	2.4	J	10	U	7.4	J	10	U	8.1	J	5.2	J	-	-
Iron, Dissolved	7439-89-6	300			ug/l	10.4	J	18.2	J	15.6	J	15.7	J	47.6	J	50	U	18.6	J	50	U	9.9	J	50	U	10.2	J	50	U	13.4	J	10.2	J	932		50	U	55.8		50	U	469		-	-
Lead, Dissolved	7439-92-1	25			ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Magnesium, Dissolved	7439-95-4	35000			ug/l	4950		6220		5200		5380		7760		5420		6230		5260		8260		7050		5140		9170		6680		3500		3320		4080		4100		4900		6350		-	-
Manganese, Dissolved	7439-96-5	300			ug/l	1.7	J	3.1	J	3.1	J	3.2	J	55.5		6.8	J	12.9		2	J	10	U	3.3	J	2.4	J	2250		4.8	J	10	U	32.1		2	J	79.6		2.3	J	32.2		-	-
Mercury, Dissolved	7439-97-6	0.7			ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	-	-
Nickel, Dissolved	7440-02-0	100			ug/l	25	U	25	U	25	U	25	U	25	U	25	U	15.9	J	4.8	J	25	U	14.9	J	24.2	J	25	U	14.9	J	25	U	25	U	25	U	25	U	25	U	6.2	J	-	-
Potassium, Dissolved	7440-09-7				ug/l	2020	J	971	J	1540	J	1590	J	1570	J	2120	J	983	J	1380	J	1210	J	1260	J	1220	J	9580		1720	J	2360	J	983	J	2040	J	1660	J	2080	J	1240	J	-	-
Selenium, Dissolved	7782-49-2	10			ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Silver, Dissolved	7440-22-4	50			ug/l	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	7	U	-	-
Sodium, Dissolved	7440-23-5	20000			ug/l	11800		10300		9750		10200		10800		10300		11200		11400		13400		10300		11800		9840		13700		14600		6480		12600		9200		14000		14700		-	-
Thallium, Dissolved	7440-28-0	0.5			ug/l	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	-	-
Vanadium, Dissolved	7440-62-2				ug/l	10	U	10	U	10	U	10	U	10	U	10	U	3	J	10	U	10	U	10	U	10	U	2.5	J	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Zinc, Dissolved	7440-66-6	2000			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	3.4	J	5	U	5	U	5	U	2.3	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	14.1		-	-
General Chemistry																																												
Alkalinity, Carbonate	3812-32-6				mg CaCO3	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Alkalinity, Bicarbonate	71-52-3				mg CaCO3	69		68.8		59.9		59		90.5		60.5		59.2		61.1		45.9		91.2		142		115		31.3		25.9		19.1		64.8		40.7		27.1		-	-
Solids, Total Dissolved	NONE				ug/l	130000		130000		130000		120000		150000		120000		130000		120000		140000		120000		120000		210000		140000		120000		85000		86000		180000		120000		140000		-	-
Chloride	16887-00-6	250000			ug/l	14000		16000		17000		17000		17000		15000		17000		24000		16000		16000		25000		15000		16000		27000		8700		20000		9300		24000		30000		-	-
Fluoride	16984-48-8	1500			ug/l	160	J	110	J	120	J	110	J	100	J	110	J	900		80	J	50	J	80	J	40	J	130	J	90	J	30	J	80	J	30	J	80	J	40	J	60	J	-	-
Nitrogen, Nitrate-Nitrite	NONE	10000			ug/l	180		140		490		480		56		250		200		190		3000		290		1500		510		480		2300		510		480		2300		1600		-	-
Total Nitrogen	NONE				ug/l	590		470		920		900		570		580		560		660		3000		690		1500		920		480		2300		850		4900		520		2700		1600		-	-
Nitrogen, Total Kjeldahl	NONE				ug/l	410		329		432		420		568		330		359		467		125	J	437		181	J	810		287	J	85	J	341		524		412		83		-	-
Phosphate, Total	7723-14-0				ug/l	58		52		52		68		40		58		154		120		58		81		46		92		58		37		169		31		368		43		31		-	-
Sulfate	14808-79-8	250000			ug/l	13000		15000		18000		18000		13000		15000		17000		15000		19000		16500		12000		21000		17000		12000		8600	J	10000		39000		9500	J	18000		-	-
Semivolatile Organics by GC/MS																																												
1,2,4-Trichlorobenzene	120-82-1	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Bis(2-chloroethyl)ether	111-44-4	1			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,2-Dichlorobenzene	95-50-1	3			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,3-Dichlorobenzene	541-73-1	3			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,4-Dichlorobenzene	106-46-7	3			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
3,3'-Dichlorobenzidine	91-94-1	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,4-Dinitrotoluene	121-14-2	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,6-Dinitrotoluene	606-20-2	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
4-Chlorophenyl phenyl ether	7005-72-3				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
4-Bromophenyl phenyl ether	101-55-3				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Bis(2-chloroisopropyl)ether	108-60-1	5			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Bis(2-chloroethoxy)methane	111-91-1	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Hexachlorocyclopentadiene	77-47-4	5			ug/l	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	-	-
Isophorone	78-59-1	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Nitrobenzene	98-95-3	0.4			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
NDPA/DPA	86-30-6	50			ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
n-Nitrosodi-n-propylamine	621-64-7				ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Bis(2-ethylhexyl)phthalate	117-81-7	5			ug/l	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	2	J	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	3	U	-	-
Butyl benzyl phthalate	85-68-7	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Di-n-butylphthalate	84-74-2	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Di-n-octylphthalate	117-84-0	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Diethyl phthalate	84-66-2	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Dimethyl phthalate	131-11-3	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Biphenyl	92-52-4				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
4-Chloroaniline	106-47-8	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2-Nitroaniline	88-74-4	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
3-Nitroaniline	99-09-2	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
4-Nitroaniline	100-01-6	5			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Dibenzofuran	132-64-9				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
1,2,4,5-Tetrachlorobenzene	95-94-3	5			ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Acetophenone	98-86-2				ug/l	5	U	5	U	5	U	2.4	J	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,4,6-Trichlorophenol	88-06-2				ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
p-Chloro-m-cresol	59-50-7				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
2-Chlorophenol	95-57-8				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
2,4-Dichlorophenol	120-83-2	1			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,4-Dimethylphenol	105-67-9	50			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2-Nitrophenol	88-75-5				ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
4-Nitrophenol	100-02-7				ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
2,4-Dinitrophenol	51-28-5	10			ug/l	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	20	U	-	-
4,6-Dinitro-o-cresol	534-52-1				ug/l	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	10	U	-	-
Phenol	108-95-2	1			ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2-Methylphenol	95-48-7				ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5				ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
2,4,5-Trichlorophenol	95-95-4				ug/l	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	5	U	-	-
Benzoic Acid	65-85-0				ug/l	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	50	U	-	-
Benzyl Alcohol	100-51-6				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Carbazole	86-74-8				ug/l	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	2	U	-	-
Semivolatile Organics by GC/MS-SIM																																												
Acenaphthene	83-32-9	20			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
2-Chloronaphthalene	91-58-7	10			ug/l	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	0.2	U	-	-
Fluoranthene	206-44-0	50			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Hexachlorobutadiene	87-68-3	0.5			ug/l	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	0.5	U	-	-
Naphthalene	91-20-3	10			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.04	JB	0.1	U	0.04	JB	0.05	JB	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Benzo(a)anthracene	56-55-3	0.002			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Benzo(a)pyrene	50-32-8	0			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Benzo(b)fluoranthene	205-99-2	0.002			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Benzo(k)fluoranthene	207-08-9	0.002			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Chrysene	218-01-9	0.002			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Acenaphthylene	208-96-8				ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Anthracene	120-12-7	50			ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Benzo(ghi)perylene	191-24-2				ug/l	0.1	U	0.1	U	0.1	U	0.1	U	0.08	J	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	-	-
Flu

ATTACHMENT D

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
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BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO • SYRACUSE

GC/MS 8260
Analysis

Volatiles QC Summary

Surrogate Recovery Summary
Form 2
Volatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2536247
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-06A (L2536247-01)	105	94	96	118	0
MW-06B (L2536247-02)	99	95	95	115	0
MW-07A (L2536247-03)	103	95	95	117	0
MW-07B (L2536247-04)	104	96	95	119	0
MW-10B (L2536247-05)	102	97	95	118	0
MW-10A (L2536247-06)	108	95	97	120	0
MW-09A (L2536247-07)	110	94	95	121	0
MW-09B (L2536247-08)	106	95	94	119	0
MW-05B (L2536247-09)	110	99	91	113	0
MW-05A (L2536247-10)	114	97	88	115	0
MW-08B (L2536247-11)	114	98	92	113	0
MW-08A (L2536247-12)	107	104	103	97	0
MW-02A (L2536247-13)	114	97	93	116	0
MW-02B (L2536247-14)	114	98	91	116	0
MW-03B (L2536247-15)	111	99	92	115	0
MW-03A (L2536247-16)	115	100	93	116	0
MW-04A (L2536247-17)	105	104	102	98	0
MW-04B (L2536247-18)	105	105	102	98	0
TRIP BLANK (L2536247-19)	104	105	101	98	0
DUP001 (L2536247-20)	104	104	103	99	0
WG2081757-3LCS	101	100	89	103	0
WG2081757-4LCSD	105	101	89	105	0
WG2081757-5BLANK	106	97	91	113	0
MW-4SMS	109	98	87	109	0
MW-4SMSD	106	98	89	105	0
WG2081999-3LCS	105	104	100	101	0
WG2081999-4LCSD	103	103	101	99	0
WG2081999-5BLANK	103	104	104	96	0

QC LIMITS
(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Surrogate Recovery Summary
Form 2
Volatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2536247
Project Number: BSD1504
Matrix:

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-08AMS	103	104	100	100	0
MW-08AMSD	103	105	103	101	0
WG2082353-3LCS	103	98	91	110	0
WG2082353-4LCSD	101	98	92	109	0
WG2082353-5BLANK	99	96	97	115	0

QC LIMITS
(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

*** Values outside of QC limits**

FORM II NYTCL-8260

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2081757-3 **Analysis Date** : 06/19/25 09:47	**File ID**	: VE250619A01
LCSD Sample ID	: WG2081757-4 **Analysis Date** : 06/19/25 10:11	**File ID**	: VE250619A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	9.8	98	12	70-130	20
1,1-Dichloroethane	10	10	100	10	9.1	91	9	70-130	20
Chloroform	10	10	100	10	9.4	94	6	70-130	20
Carbon tetrachloride	10	11	110	10	9.2	92	18	63-132	20
1,2-Dichloropropane	10	10	100	10	8.7	87	14	70-130	20
Dibromochloromethane	10	10	100	10	9.0	90	11	63-130	20
1,1,2-Trichloroethane	10	11	110	10	9.2	92	18	70-130	20
Tetrachloroethene	10	12	120	10	10	100	18	70-130	20
Chlorobenzene	10	11	110	10	9.7	97	13	75-130	20
Trichlorofluoromethane	10	11	110	10	9.3	93	17	62-150	20
1,2-Dichloroethane	10	10	100	10	9.0	90	11	70-130	20
1,1,1-Trichloroethane	10	10	100	10	9.2	92	8	67-130	20
Bromodichloromethane	10	10	100	10	8.9	89	12	67-130	20
trans-1,3-Dichloropropene	10	9.9	99	10	8.6	86	14	70-130	20
cis-1,3-Dichloropropene	10	10	100	10	8.8	88	13	70-130	20
1,1-Dichloropropene	10	10	100	10	9.0	90	11	70-130	20
Bromoform	10	10	100	10	9.0	90	11	54-136	20
1,1,2,2-Tetrachloroethane	10	11	110	10	9.3	93	17	67-130	20
Benzene	10	10	100	10	9.0	90	11	70-130	20
Toluene	10	11	110	10	9.3	93	17	70-130	20
Ethylbenzene	10	11	110	10	9.0	90	20	70-130	20
Chloromethane	10	7.6	76	10	6.5	65	16	64-130	20
Bromomethane	10	8.5	85	10	7.0	70	19	39-139	20
Vinyl chloride	10	10	100	10	8.4	84	17	55-140	20
Chloroethane	10	12	120	10	10	100	18	55-138	20
1,1-Dichloroethene	10	11	110	10	9.8	98	12	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2081757-3 **Analysis Date** : 06/19/25 09:47	**File ID**	: VE250619A01
LCSD Sample ID	: WG2081757-4 **Analysis Date** : 06/19/25 10:11	**File ID**	: VE250619A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	11	110	10	9.5	95	15	70-130	20
Trichloroethene	10	11	110	10	9.2	92	18	70-130	20
1,2-Dichlorobenzene	10	11	110	10	9.4	94	16	70-130	20
1,3-Dichlorobenzene	10	11	110	10	9.3	93	17	70-130	20
1,4-Dichlorobenzene	10	11	110	10	9.1	91	19	70-130	20
Methyl tert butyl ether	10	9.3	93	10	8.5	85	9	63-130	20
p/m-Xylene	20	21	105	20	18	90	15	70-130	20
o-Xylene	20	20	100	20	17	85	16	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	9.6	96	14	70-130	20
Dibromomethane	10	10	100	10	9.5	95	5	70-130	20
1,2,3-Trichloropropane	10	10	100	10	8.5	85	16	64-130	20
Acrylonitrile	10	9.2	92	10	8.0	80	14	70-130	20
Styrene	20	20	100	20	18	90	11	70-130	20
Dichlorodifluoromethane	10	7.0	70	10	5.9	59	17	36-147	20
Acetone	10	9.0	90	10	7.9	79	13	58-148	20
Carbon disulfide	10	11	110	10	9.3	93	17	51-130	20
2-Butanone	10	8.1	81	10	7.8	78	4	63-138	20
Vinyl acetate	10	8.2	82	10	7.4	74	10	70-130	20
4-Methyl-2-pentanone	10	8.7	87	10	8.2	82	6	59-130	20
2-Hexanone	10	6.5	65	10	6.1	61	6	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
2,2-Dichloropropane	10	10	100	10	8.7	87	14	63-133	20
1,2-Dibromoethane	10	10	100	10	9.2	92	8	70-130	20
1,3-Dichloropropane	10	10	100	10	9.4	94	6	70-130	20
1,1,1,2-Tetrachloroethane	10	11	110	10	9.4	94	16	64-130	20
Bromobenzene	10	11	110	10	9.5	95	15	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2081757-3 **Analysis Date** : 06/19/25 09:47	**File ID**	: VE250619A01
LCSD Sample ID	: WG2081757-4 **Analysis Date** : 06/19/25 10:11	**File ID**	: VE250619A02

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	10	100	10	8.6	86	15	53-136	20
sec-Butylbenzene	10	10	100	10	8.3	83	19	70-130	20
tert-Butylbenzene	10	9.8	98	10	8.4	84	15	70-130	20
o-Chlorotoluene	10	10	100	10	8.4	84	17	70-130	20
p-Chlorotoluene	10	10	100	10	8.2	82	20	70-130	20
1,2-Dibromo-3-chloropropane	10	10	100	10	9.7	97	3	41-144	20
Hexachlorobutadiene	10	13	130	10	11	110	17	63-130	20
Isopropylbenzene	10	9.7	97	10	8.2	82	17	70-130	20
p-Isopropyltoluene	10	10	100	10	8.5	85	16	70-130	20
Naphthalene	10	9.4	94	10	8.2	82	14	70-130	20
n-Propylbenzene	10	10	100	10	8.2	82	20	69-130	20
1,2,3-Trichlorobenzene	10	11	110	10	9.6	96	14	70-130	20
1,2,4-Trichlorobenzene	10	11	110	10	9.6	96	14	70-130	20
1,3,5-Trimethylbenzene	10	10	100	10	8.3	83	19	64-130	20
1,2,4-Trimethylbenzene	10	10	100	10	8.7	87	14	70-130	20
1,4-Dioxane	500	820	164 Q	500	740	148	10	56-162	20
p-Diethylbenzene	10	10	100	10	8.3	83	19	70-130	20
p-Ethyltoluene	10	9.7	97	10	8.0	80	19	70-130	20
1,2,4,5-Tetramethylbenzene	10	10	100	10	8.2	82	20	70-130	20
Ethyl ether	10	12	120	10	10	100	18	59-134	20
trans-1,4-Dichloro-2-butene	10	7.9	79	10	6.8	68 Q	15	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2081999-3	**Analysis Date**	: 06/19/25 20:32
LCSD Sample ID	: WG2081999-4	**Analysis Date**	: 06/19/25 20:58

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	9.2	92	10	8.8	88	4	70-130	20
1,1-Dichloroethane	10	9.3	93	10	9.2	92	1	70-130	20
Chloroform	10	9.1	91	10	9.1	91	0	70-130	20
Carbon tetrachloride	10	8.5	85	10	8.4	84	1	63-132	20
1,2-Dichloropropane	10	9.1	91	10	9.1	91	0	70-130	20
Dibromochloromethane	10	8.3	83	10	8.4	84	1	63-130	20
1,1,2-Trichloroethane	10	9.9	99	10	9.5	95	4	70-130	20
Tetrachloroethene	10	9.2	92	10	9.1	91	1	70-130	20
Chlorobenzene	10	9.3	93	10	9.3	93	0	75-130	20
Trichlorofluoromethane	10	11	110	10	10	100	10	62-150	20
1,2-Dichloroethane	10	9.7	97	10	9.3	93	4	70-130	20
1,1,1-Trichloroethane	10	8.9	89	10	8.8	88	1	67-130	20
Bromodichloromethane	10	8.6	86	10	8.4	84	2	67-130	20
trans-1,3-Dichloropropene	10	8.5	85	10	8.1	81	5	70-130	20
cis-1,3-Dichloropropene	10	7.8	78	10	7.7	77	1	70-130	20
1,1-Dichloropropene	10	8.8	88	10	8.7	87	1	70-130	20
Bromoform	10	7.4	74	10	7.5	75	1	54-136	20
1,1,2,2-Tetrachloroethane	10	10	100	10	10	100	0	67-130	20
Benzene	10	9.2	92	10	9.1	91	1	70-130	20
Toluene	10	9.4	94	10	9.2	92	2	70-130	20
Ethylbenzene	10	9.5	95	10	9.4	94	1	70-130	20
Chloromethane	10	7.9	79	10	7.9	79	0	64-130	20
Bromomethane	10	7.7	77	10	7.4	74	4	39-139	20
Vinyl chloride	10	9.0	90	10	8.9	89	1	55-140	20
Chloroethane	10	12	120	10	12	120	0	55-138	20
1,1-Dichloroethene	10	8.7	87	10	8.3	83	5	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2081999-3	**Analysis Date** : 06/19/25 20:32	**File ID** : V01250619N02
LCSD Sample ID	: WG2081999-4	**Analysis Date** : 06/19/25 20:58	**File ID** : V01250619N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	8.6	86	10	8.6	86	0	70-130	20
Trichloroethene	10	8.7	87	10	8.7	87	0	70-130	20
1,2-Dichlorobenzene	10	9.8	98	10	9.8	98	0	70-130	20
1,3-Dichlorobenzene	10	9.6	96	10	9.7	97	1	70-130	20
1,4-Dichlorobenzene	10	9.4	94	10	9.6	96	2	70-130	20
Methyl tert butyl ether	10	8.3	83	10	8.3	83	0	63-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	18	90	20	18	90	0	70-130	20
cis-1,2-Dichloroethene	10	8.8	88	10	8.7	87	1	70-130	20
Dibromomethane	10	9.4	94	10	8.9	89	5	70-130	20
1,2,3-Trichloropropane	10	9.2	92	10	9.4	94	2	64-130	20
Acrylonitrile	10	9.8	98	10	9.6	96	2	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	7.3	73	10	7.4	74	1	36-147	20
Acetone	10	10	100	10	10	100	0	58-148	20
Carbon disulfide	10	6.9	69	10	6.8	68	1	51-130	20
2-Butanone	10	9.1	91	10	9.6	96	5	63-138	20
Vinyl acetate	10	12	120	10	11	110	9	70-130	20
4-Methyl-2-pentanone	10	9.4	94	10	9.1	91	3	59-130	20
2-Hexanone	10	9.5	95	10	8.5	85	11	57-130	20
Bromochloromethane	10	9.1	91	10	9.0	90	1	70-130	20
2,2-Dichloropropane	10	7.3	73	10	7.0	70	4	63-133	20
1,2-Dibromoethane	10	9.6	96	10	9.3	93	3	70-130	20
1,3-Dichloropropane	10	10	100	10	9.9	99	1	70-130	20
1,1,1,2-Tetrachloroethane	10	8.8	88	10	8.9	89	1	64-130	20
Bromobenzene	10	9.5	95	10	9.6	96	1	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2081999-3 **Analysis Date** : 06/19/25 20:32	**File ID**	: V01250619N02
LCSD Sample ID	: WG2081999-4 **Analysis Date** : 06/19/25 20:58	**File ID**	: V01250619N03

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	9.6	96	10	9.9	99	3	53-136	20
sec-Butylbenzene	10	9.5	95	10	9.6	96	1	70-130	20
tert-Butylbenzene	10	9.4	94	10	9.6	96	2	70-130	20
o-Chlorotoluene	10	9.5	95	10	9.6	96	1	70-130	20
p-Chlorotoluene	10	9.6	96	10	9.6	96	0	70-130	20
1,2-Dibromo-3-chloropropane	10	8.0	80	10	8.1	81	1	41-144	20
Hexachlorobutadiene	10	8.1	81	10	8.7	87	7	63-130	20
Isopropylbenzene	10	9.4	94	10	9.6	96	2	70-130	20
p-Isopropyltoluene	10	9.4	94	10	9.5	95	1	70-130	20
Naphthalene	10	9.0	90	10	9.4	94	4	70-130	20
n-Propylbenzene	10	9.8	98	10	9.8	98	0	69-130	20
1,2,3-Trichlorobenzene	10	8.9	89	10	9.2	92	3	70-130	20
1,2,4-Trichlorobenzene	10	8.6	86	10	8.8	88	2	70-130	20
1,3,5-Trimethylbenzene	10	9.4	94	10	9.5	95	1	64-130	20
1,2,4-Trimethylbenzene	10	9.6	96	10	9.5	95	1	70-130	20
1,4-Dioxane	500	440	88	500	530	106	19	56-162	20
p-Diethylbenzene	10	9.1	91	10	9.3	93	2	70-130	20
p-Ethyltoluene	10	9.6	96	10	9.7	97	1	70-130	20
1,2,4,5-Tetramethylbenzene	10	8.6	86	10	8.7	87	1	70-130	20
Ethyl ether	10	11	110	10	10	100	10	59-134	20
trans-1,4-Dichloro-2-butene	10	8.6	86	10	8.2	82	5	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2082353-3	**Analysis Date**	: 06/20/25 11:46
LCSD Sample ID	: WG2082353-4	**Analysis Date**	: 06/20/25 12:08

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	10	11	110	10	12	120	9	70-130	20
1,1-Dichloroethane	10	11	110	10	12	120	9	70-130	20
Chloroform	10	10	100	10	12	120	18	70-130	20
Carbon tetrachloride	10	10	100	10	12	120	18	63-132	20
1,2-Dichloropropane	10	9.1	91	10	9.9	99	8	70-130	20
Dibromochloromethane	10	7.6	76	10	8.2	82	8	63-130	20
1,1,2-Trichloroethane	10	7.8	78	10	8.2	82	5	70-130	20
Tetrachloroethene	10	10	100	10	11	110	10	70-130	20
Chlorobenzene	10	9.8	98	10	11	110	12	75-130	20
Trichlorofluoromethane	10	12	120	10	13	130	8	62-150	20
1,2-Dichloroethane	10	9.6	96	10	10	100	4	70-130	20
1,1,1-Trichloroethane	10	10	100	10	12	120	18	67-130	20
Bromodichloromethane	10	8.9	89	10	9.6	96	8	67-130	20
trans-1,3-Dichloropropene	10	8.0	80	10	8.6	86	7	70-130	20
cis-1,3-Dichloropropene	10	8.5	85	10	9.2	92	8	70-130	20
1,1-Dichloropropene	10	9.2	92	10	10	100	8	70-130	20
Bromoform	10	7.4	74	10	8.0	80	8	54-136	20
1,1,2,2-Tetrachloroethane	10	7.9	79	10	8.0	80	1	67-130	20
Benzene	10	9.5	95	10	10	100	5	70-130	20
Toluene	10	9.7	97	10	11	110	13	70-130	20
Ethylbenzene	10	9.8	98	10	11	110	12	70-130	20
Chloromethane	10	10	100	10	11	110	10	64-130	20
Bromomethane	10	7.9	79	10	8.7	87	10	39-139	20
Vinyl chloride	10	11	110	10	12	120	9	55-140	20
Chloroethane	10	12	120	10	13	130	8	55-138	20
1,1-Dichloroethene	10	11	110	10	12	120	9	61-145	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2082353-3	**Analysis Date** : 06/20/25 11:46	**File ID** : V30250620B05
LCSD Sample ID	: WG2082353-4	**Analysis Date** : 06/20/25 12:08	**File ID** : V30250620B06

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
trans-1,2-Dichloroethene	10	11	110	10	12	120	9	70-130	20
Trichloroethene	10	9.1	91	10	9.9	99	8	70-130	20
1,2-Dichlorobenzene	10	9.6	96	10	10	100	4	70-130	20
1,3-Dichlorobenzene	10	9.7	97	10	11	110	13	70-130	20
1,4-Dichlorobenzene	10	9.7	97	10	10	100	3	70-130	20
Methyl tert butyl ether	10	6.8	68	10	7.2	72	6	63-130	20
p/m-Xylene	20	20	100	20	23	115	14	70-130	20
o-Xylene	20	20	100	20	22	110	10	70-130	20
cis-1,2-Dichloroethene	10	11	110	10	12	120	9	70-130	20
Dibromomethane	10	9.9	99	10	10	100	1	70-130	20
1,2,3-Trichloropropane	10	7.9	79	10	8.2	82	4	64-130	20
Acrylonitrile	10	10	100	10	10	100	0	70-130	20
Styrene	20	20	100	20	22	110	10	70-130	20
Dichlorodifluoromethane	10	11	110	10	12	120	9	36-147	20
Acetone	10	8.5	85	10	8.9	89	5	58-148	20
Carbon disulfide	10	12	120	10	13	130	8	51-130	20
2-Butanone	10	7.1	71	10	7.5	75	5	63-138	20
Vinyl acetate	10	8.8	88	10	9.1	91	3	70-130	20
4-Methyl-2-pentanone	10	7.2	72	10	7.6	76	5	59-130	20
2-Hexanone	10	7.1	71	10	7.7	77	8	57-130	20
Bromochloromethane	10	10	100	10	12	120	18	70-130	20
2,2-Dichloropropane	10	11	110	10	12	120	9	63-133	20
1,2-Dibromoethane	10	8.1	81	10	8.4	84	4	70-130	20
1,3-Dichloropropane	10	8.0	80	10	8.5	85	6	70-130	20
1,1,1,2-Tetrachloroethane	10	8.3	83	10	9.1	91	9	64-130	20
Bromobenzene	10	9.0	90	10	10	100	11	70-130	20

Laboratory Control Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2082353-3 **Analysis Date** : 06/20/25 11:46	**File ID**	: V30250620B05
LCSD Sample ID	: WG2082353-4 **Analysis Date** : 06/20/25 12:08	**File ID**	: V30250620B06

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
n-Butylbenzene	10	10	100	10	11	110	10	53-136	20
sec-Butylbenzene	10	9.7	97	10	11	110	13	70-130	20
tert-Butylbenzene	10	9.2	92	10	10	100	8	70-130	20
o-Chlorotoluene	10	9.4	94	10	10	100	6	70-130	20
p-Chlorotoluene	10	9.3	93	10	10	100	7	70-130	20
1,2-Dibromo-3-chloropropane	10	8.5	85	10	8.5	85	0	41-144	20
Hexachlorobutadiene	10	10	100	10	11	110	10	63-130	20
Isopropylbenzene	10	9.1	91	10	10	100	9	70-130	20
p-Isopropyltoluene	10	9.6	96	10	11	110	14	70-130	20
Naphthalene	10	9.0	90	10	9.4	94	4	70-130	20
n-Propylbenzene	10	9.4	94	10	10	100	6	69-130	20
1,2,3-Trichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,2,4-Trichlorobenzene	10	10	100	10	11	110	10	70-130	20
1,3,5-Trimethylbenzene	10	9.7	97	10	11	110	13	64-130	20
1,2,4-Trimethylbenzene	10	9.8	98	10	11	110	12	70-130	20
1,4-Dioxane	500	380	76	500	380	76	0	56-162	20
p-Diethylbenzene	10	9.5	95	10	11	110	15	70-130	20
p-Ethyltoluene	10	9.5	95	10	11	110	15	70-130	20
1,2,4,5-Tetramethylbenzene	10	10	100	10	11	110	10	70-130	20
Ethyl ether	10	8.8	88	10	9.6	96	9	59-134	20
trans-1,4-Dichloro-2-butene	10	7.8	78	10	7.9	79	1	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/19/25 22:44
Matrix Spike	: WG2081999-6	**MS Analysis Date**	: 06/20/25 05:18
Matrix Spike Dup	: WG2081999-7	**MSD Analysis Date**	: 06/20/25 05:44

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Methylene chloride	ND	10	9.0	90	10	9.4	94	4	70-130	20
1,1-Dichloroethane	ND	10	9.7	97	10	9.8	98	1	70-130	20
Chloroform	ND	10	9.4	94	10	9.8	98	4	70-130	20
Carbon tetrachloride	ND	10	8.9	89	10	9.3	93	4	63-132	20
1,2-Dichloropropane	ND	10	9.1	91	10	9.6	96	5	70-130	20
Dibromochloromethane	ND	10	7.8	78	10	8.2	82	5	63-130	20
1,1,2-Trichloroethane	ND	10	9.2	92	10	9.5	95	3	70-130	20
Tetrachloroethene	ND	10	8.7	87	10	9.0	90	3	70-130	20
Chlorobenzene	ND	10	9.1	91	10	9.5	95	4	75-130	20
Trichlorofluoromethane	ND	10	10	100	10	11	110	10	62-150	20
1,2-Dichloroethane	ND	10	9.3	93	10	9.6	96	3	70-130	20
1,1,1-Trichloroethane	ND	10	9.5	95	10	9.5	95	0	67-130	20
Bromodichloromethane	ND	10	8.3	83	10	8.6	86	4	67-130	20
trans-1,3-Dichloropropene	ND	10	7.4	74	10	7.5	75	1	70-130	20
cis-1,3-Dichloropropene	ND	10	7.1	71	10	7.2	72	1	70-130	20
1,1-Dichloropropene	ND	10	9.0	90	10	9.4	94	4	70-130	20
Bromoform	ND	10	6.5	65	10	7.1	71	9	54-136	20
1,1,2,2-Tetrachloroethane	ND	10	9.1	91	10	9.6	96	5	67-130	20
Benzene	ND	10	9.3	93	10	9.4	94	1	70-130	20
Toluene	ND	10	9.3	93	10	9.6	96	3	70-130	20
Ethylbenzene	ND	10	9.2	92	10	9.4	94	2	70-130	20
Chloromethane	ND	10	9.0	90	10	9.3	93	3	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/19/25 22:44
Matrix Spike	: WG2081999-6	**MS Analysis Date**	: 06/20/25 05:18
Matrix Spike Dup	: WG2081999-7	**MSD Analysis Date**	: 06/20/25 05:44

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Bromomethane	ND	10	7.0	70		10	7.5	75	7	39-139	20
Vinyl chloride	ND	10	9.9	99		10	10	100	1	55-140	20
Chloroethane	ND	10	12	120		10	12	120	0	55-138	20
1,1-Dichloroethene	ND	10	8.9	89		10	9.2	92	3	61-145	20
trans-1,2-Dichloroethene	ND	10	9.1	91		10	9.1	91	0	70-130	20
Trichloroethene	ND	10	8.9	89		10	9.0	90	1	70-130	20
1,2-Dichlorobenzene	ND	10	9.0	90		10	9.5	95	5	70-130	20
1,3-Dichlorobenzene	ND	10	9.0	90		10	9.5	95	5	70-130	20
1,4-Dichlorobenzene	ND	10	8.7	87		10	9.2	92	6	70-130	20
Methyl tert butyl ether	ND	10	7.4	74		10	7.8	78	5	63-130	20
p/m-Xylene	ND	20	18	90		20	18	90	0	70-130	20
o-Xylene	ND	20	18	90		20	18	90	0	70-130	20
cis-1,2-Dichloroethene	ND	10	8.8	88		10	9.2	92	4	70-130	20
Dibromomethane	ND	10	8.4	84		10	8.7	87	4	70-130	20
1,2,3-Trichloropropane	ND	10	8.5	85		10	8.9	89	5	64-130	20
Acrylonitrile	ND	10	8.1	81		10	9.0	90	11	70-130	20
Styrene	ND	20	16	80		20	17	85	6	70-130	20
Dichlorodifluoromethane	ND	10	7.4	74		10	7.9	79	7	36-147	20
Acetone	1.5J	10	9.1	91		10	10	100	9	58-148	20
Carbon disulfide	ND	10	7.2	72		10	7.6	76	5	51-130	20
2-Butanone	ND	10	7.4	74		10	7.8	78	5	63-138	20
Vinyl acetate	ND	10	6.8	68	Q	10	7.2	72	6	70-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/19/25 22:44
Matrix Spike	: WG2081999-6	**MS Analysis Date**	: 06/20/25 05:18
Matrix Spike Dup	: WG2081999-7	**MSD Analysis Date**	: 06/20/25 05:44

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R		RPD	Recovery Limits	RPD Limit
4-Methyl-2-pentanone	ND	10	7.4	74		10	7.7	77		4	59-130	20
2-Hexanone	ND	10	7.3	73		10	2.6J	26	Q	95 Q	57-130	20
Bromochloromethane	ND	10	9.0	90		10	9.4	94		4	70-130	20
2,2-Dichloropropane	ND	10	5.5	55	Q	10	5.6	56	Q	2	63-133	20
1,2-Dibromoethane	ND	10	8.4	84		10	9.0	90		7	70-130	20
1,3-Dichloropropane	ND	10	9.3	93		10	9.6	96		3	70-130	20
1,1,1,2-Tetrachloroethane	ND	10	8.6	86		10	8.8	88		2	64-130	20
Bromobenzene	ND	10	9.0	90		10	9.5	95		5	70-130	20
n-Butylbenzene	ND	10	8.4	84		10	9.0	90		7	53-136	20
sec-Butylbenzene	ND	10	8.6	86		10	9.2	92		7	70-130	20
tert-Butylbenzene	ND	10	8.7	87		10	9.2	92		6	70-130	20
o-Chlorotoluene	ND	10	9.1	91		10	9.6	96		5	70-130	20
p-Chlorotoluene	ND	10	9.0	90		10	9.5	95		5	70-130	20
1,2-Dibromo-3-chloropropane	ND	10	6.2	62		10	6.8	68		9	41-144	20
Hexachlorobutadiene	ND	10	6.8	68		10	7.5	75		10	63-130	20
Isopropylbenzene	ND	10	8.9	89		10	9.4	94		5	70-130	20
p-Isopropyltoluene	ND	10	8.4	84		10	9.0	90		7	70-130	20
Naphthalene	ND	10	6.8	68	Q	10	7.9	79		15	70-130	20
n-Propylbenzene	ND	10	9.0	90		10	9.5	95		5	69-130	20
1,2,3-Trichlorobenzene	ND	10	7.2	72		10	8.1	81		12	70-130	20
1,2,4-Trichlorobenzene	ND	10	7.2	72		10	8.0	80		11	70-130	20
1,3,5-Trimethylbenzene	ND	10	8.8	88		10	9.1	91		3	64-130	20

Matrix Spike Sample Summary
Form 3
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/19/25 22:44
Matrix Spike	: WG2081999-6	**MS Analysis Date**	: 06/20/25 05:18
Matrix Spike Dup	: WG2081999-7	**MSD Analysis Date**	: 06/20/25 05:44

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample Spike Added (ug/l)	Matrix Spike Sample Spike Conc. (ug/l)	Matrix Spike Sample %R	Matrix Spike Duplicate Spike Added (ug/l)	Matrix Spike Duplicate Spike Conc. (ug/l)	Matrix Spike Duplicate %R	RPD	Recovery Limits	RPD Limit
1,2,4-Trimethylbenzene	ND	10	8.8	88	10	9.1	91	3	70-130	20
1,4-Dioxane	ND	500	340	68	500	430	86	23 Q	56-162	20
p-Diethylbenzene	ND	10	8.1	81	10	8.5	85	5	70-130	20
p-Ethyltoluene	ND	10	8.9	89	10	9.4	94	5	70-130	20
1,2,4,5-Tetramethylbenzene	ND	10	7.6	76	10	8.1	81	6	70-130	20
Ethyl ether	ND	10	9.3	93	10	9.8	98	5	59-134	20
trans-1,4-Dichloro-2-butene	ND	10	6.1	61 Q	10	6.4	64 Q	5	70-130	20

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2081757-5	**Lab File ID**	: VE250619A05
Instrument ID	: ELAINE		
Matrix	: WATER	**Analysis Date**	: 06/19/25 11:26

Client Sample No.	Lab Sample ID	Analysis Date
WG2081757-3LCS	WG2081757-3	06/19/25 09:47
WG2081757-4LCSD	WG2081757-4	06/19/25 10:11
MW-05B	L2536247-09	06/19/25 17:17
MW-05A	L2536247-10	06/19/25 17:42
MW-08B	L2536247-11	06/19/25 18:07
MW-02A	L2536247-13	06/19/25 18:33
MW-02B	L2536247-14	06/19/25 18:58
MW-03B	L2536247-15	06/19/25 19:22
MW-03A	L2536247-16	06/19/25 19:47
MW-4SMS	WG2081757-6	06/19/25 20:12
MW-4SMSD	WG2081757-7	06/19/25 20:36

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2081999-5	**Lab File ID**	: V01250619N06
Instrument ID	: VOA101		
Matrix	: WATER	**Analysis Date**	: 06/19/25 22:17

Client Sample No.	Lab Sample ID	Analysis Date
WG2081999-3LCS	WG2081999-3	06/19/25 20:32
WG2081999-4LCSD	WG2081999-4	06/19/25 20:58
MW-08A	L2536247-12	06/19/25 22:44
MW-04A	L2536247-17	06/19/25 23:10
MW-04B	L2536247-18	06/19/25 23:36
TRIP BLANK	L2536247-19	06/20/25 00:03
DUP001	L2536247-20	06/20/25 00:29
MW-08AMS	WG2081999-6	06/20/25 05:18
MW-08AMSD	WG2081999-7	06/20/25 05:44

Method Blank Summary
Form 4
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2082353-5	**Lab File ID**	: V30250620B08
Instrument ID	: VOA130		
Matrix	: WATER	**Analysis Date**	: 06/20/25 12:51

Client Sample No.	Lab Sample ID	Analysis Date
WG2082353-3LCS	WG2082353-3	06/20/25 11:46
WG2082353-4LCSD	WG2082353-4	06/20/25 12:08
MW-06A	L2536247-01	06/20/25 13:57
MW-06B	L2536247-02	06/20/25 14:19
MW-07A	L2536247-03	06/20/25 14:40
MW-07B	L2536247-04	06/20/25 15:02
MW-10B	L2536247-05	06/20/25 15:24
MW-10A	L2536247-06	06/20/25 15:46
MW-09A	L2536247-07	06/20/25 16:08
MW-09B	L2536247-08	06/20/25 16:29

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA130	**Analysis Date**	: 05/21/25 01:50
Tune Standard	: WG2069452-1	**Tune File ID**	: V30250521ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	21.8
75	30.0 - 80.0% of mass 95	49.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	76.6
175	5.0 - 9.0% of mass 174	5.9 (7.7)1
176	Greater than 95.0% but less than 101% of mass	73.2 (95.6)1
177	5.0 - 9.0% of mass 176	4.2 (5.8)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1968029-1	V30250521A03	05/21/25 02:55
STD0.5PPB	R1968029-2	V30250521A05	05/21/25 03:39
STD2PPB	R1968029-3	V30250521A07	05/21/25 04:22
STD10PPB	R1968029-4	V30250521A09	05/21/25 05:06
STD30PPB	R1968029-5	V30250521A10	05/21/25 05:28
STD80PPB	R1968029-6	V30250521A11	05/21/25 05:50
STD120PPB	R1968029-7	V30250521A12	05/21/25 06:12
STD200PPB	R1968029-8	V30250521A13	05/21/25 06:33
ICV Quant Report	R1968029-9	V30250521A18	05/21/25 08:23

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA130	**Analysis Date**	: 06/20/25 10:07
Tune Standard	: WG2082353-1	**Tune File ID**	: V30250620BBF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	16.7
75	30.0 - 80.0% of mass 95	46.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	95.1
175	5.0 - 9.0% of mass 174	7.2 (7.6)1
176	Greater than 95.0% but less than 101% of mass	93 (97.8)1
177	5.0 - 9.0% of mass 176	6.2 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2082353-2CCAL	WG2082353-2	V30250620B05	06/20/25 11:46
WG2082353-3LCS	WG2082353-3	V30250620B05	06/20/25 11:46
WG2082353-4LCSD	WG2082353-4	V30250620B06	06/20/25 12:08
WG2082353-5BLANK	WG2082353-5	V30250620B08	06/20/25 12:51
MW-06A	L2536247-01	V30250620B11	06/20/25 13:57
MW-06B	L2536247-02	V30250620B12	06/20/25 14:19
MW-07A	L2536247-03	V30250620B13	06/20/25 14:40
MW-07B	L2536247-04	V30250620B14	06/20/25 15:02
MW-10B	L2536247-05	V30250620B15	06/20/25 15:24
MW-10A	L2536247-06	V30250620B16	06/20/25 15:46
MW-09A	L2536247-07	V30250620B17	06/20/25 16:08
MW-09B	L2536247-08	V30250620B18	06/20/25 16:29

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: ELAINE	**Analysis Date**	: 05/23/25 00:35
Tune Standard	: WG2070650-1	**Tune File ID**	: VE250523ABF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 80.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.9)1
174	Greater than 50.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	6.6 (8.2)1
176	Greater than 95.0% but less than 101% of mass	78.8 (97.8)1
177	5.0 - 9.0% of mass 176	5.5 (7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1969228-1	VE250523A03	05/23/25 01:46
STD0.5PPB	R1969228-2	VE250523A05	05/23/25 02:35
STD2PPB	R1969228-3	VE250523A07	05/23/25 03:23
STD10PPB	R1969228-4	VE250523A09	05/23/25 04:12
STD30PPB	R1969228-5	VE250523A10	05/23/25 04:36
STD80PPB	R1969228-6	VE250523A11	05/23/25 05:00
STD120PPB	R1969228-7	VE250523A12	05/23/25 05:25
STD200PPB	R1969228-8	VE250523A13	05/23/25 05:49
ICV Quant Report	R1969228-9	VE250523A18	05/23/25 07:50

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: ELAINE	**Analysis Date**	: 06/19/25 09:33
Tune Standard	: WG2081757-1	**Tune File ID**	: VE250619ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 80.0% of mass 95	47.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.8 (.8)1
174	Greater than 50.0% of mass 95	94.8
175	5.0 - 9.0% of mass 174	7.3 (7.7)1
176	Greater than 95.0% but less than 101% of mass	91.2 (96.2)1
177	5.0 - 9.0% of mass 176	6 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2081757-2CCAL	WG2081757-2	VE250619A01	06/19/25 09:47
WG2081757-3LCS	WG2081757-3	VE250619A01	06/19/25 09:47
WG2081757-4LCSD	WG2081757-4	VE250619A02	06/19/25 10:11
WG2081757-5BLANK	WG2081757-5	VE250619A05	06/19/25 11:26
MW-05B	L2536247-09	VE250619A19	06/19/25 17:17
MW-05A	L2536247-10	VE250619A20	06/19/25 17:42
MW-08B	L2536247-11	VE250619A21	06/19/25 18:07
MW-02A	L2536247-13	VE250619A22	06/19/25 18:33
MW-02B	L2536247-14	VE250619A23	06/19/25 18:58
MW-03B	L2536247-15	VE250619A24	06/19/25 19:22
MW-03A	L2536247-16	VE250619A25	06/19/25 19:47
WG2081757-6MS	WG2081757-6	VE250619A26	06/19/25 20:12
WG2081757-7MSD	WG2081757-7	VE250619A27	06/19/25 20:36

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA101	**Analysis Date**	: 06/05/25 12:46
Tune Standard	: WG2075731-1	**Tune File ID**	: V01250605ABF1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.1
75	30.0 - 80.0% of mass 95	49.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.3 (.4)1
174	Greater than 50.0% of mass 95	79.1
175	5.0 - 9.0% of mass 174	6 (7.5)1
176	Greater than 95.0% but less than 101% of mass	78.5 (99.2)1
177	5.0 - 9.0% of mass 176	5.3 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1973872-1	V01250605A03	06/05/25 13:54
STD0.5PPB	R1973872-2	V01250605A04	06/05/25 14:21
STD2PPB	R1973872-3	V01250605A06	06/05/25 15:14
STD10PPB	R1973872-4	V01250605A08	06/05/25 16:08
STD30PPB	R1973872-5	V01250605A09	06/05/25 16:35
STD80PPB	R1973872-6	V01250605A10	06/05/25 17:01
STD120PPB	R1973872-7	V01250605A11	06/05/25 17:28
STD200PPB	R1973872-8	V01250605A12	06/05/25 17:55
Correlation Data Summary	R1973872-9	V01250605A17	06/05/25 20:08
ICV Quant Report	R1973872-9	V01250605A17	06/05/25 20:08

Instrument Performance Check (Tune) Summary
Form 5
Volatiles
Bromofluorobenzene (BFB)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA101	**Analysis Date**	: 06/19/25 20:05
Tune Standard	: WG2081999-1	**Tune File ID**	: V01250619N01_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.8
75	30.0 - 80.0% of mass 95	48.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.3)1
174	Greater than 50.0% of mass 95	81.1
175	5.0 - 9.0% of mass 174	6.6 (8.2)1
176	Greater than 95.0% but less than 101% of mass	80.1 (98.7)1
177	5.0 - 9.0% of mass 176	5.1 (6.4)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2081999-2CCAL	WG2081999-2	V01250619N02	06/19/25 20:32
WG2081999-3LCS	WG2081999-3	V01250619N02	06/19/25 20:32
WG2081999-4LCSD	WG2081999-4	V01250619N03	06/19/25 20:58
WG2081999-5BLANK	WG2081999-5	V01250619N06	06/19/25 22:17
MW-08A	L2536247-12	V01250619N07	06/19/25 22:44
MW-04A	L2536247-17	V01250619N08	06/19/25 23:10
MW-04B	L2536247-18	V01250619N09	06/19/25 23:36
TRIP BLANK	L2536247-19	V01250619N10	06/20/25 00:03
DUP001	L2536247-20	V01250619N11	06/20/25 00:29
WG2081999-6MS	WG2081999-6	V01250619N22	06/20/25 05:18
WG2081999-7MSD	WG2081999-7	V01250619N23	06/20/25 05:44

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: ELAINE	**Analysis Date**	: 06/19/25 09:47:00
Sample No	: WG2081757-2	**Lab File ID**	: VE250619A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2081757-2	268738	5.74	217636	9.25	131839	12.01
Upper Limit	537476	6.24	435272	9.75	263678	12.51
Lower Limit	134369	5.24	108818	8.75	65920	11.51
Sample ID						
WG2081757-3 LCS	268738	5.74	217636	9.25	131839	12.01
WG2081757-4 LCSD	270435	5.75	219901	9.26	136651	12.01
WG2081757-5 BLANK	241071	5.75	205837	9.25	121602	12.01
MW-05B	238842	5.75	199984	9.25	116462	12.01
MW-05A	232480	5.75	197693	9.26	117562	12.01
MW-08B	234307	5.75	195964	9.26	116742	12.01
MW-02A	229215	5.75	197163	9.25	113555	12.01
MW-02B	229632	5.75	193676	9.26	114235	12.01
MW-03B	227050	5.75	190748	9.25	115879	12.02
MW-03A	226793	5.75	192429	9.25	111597	12.02
MW-4S MS	255284	5.75	214521	9.25	134011	12.01
MW-4S MSD	262589	5.75	216231	9.25	134284	12.01

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA101	**Analysis Date**	: 06/19/25 20:32:00
Sample No	: WG2081999-2	**Lab File ID**	: V01250619N02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2081999-2	227794	5.83	173943	9.33	95648	12.08
Upper Limit	455588	6.33	347886	9.83	191296	12.58
Lower Limit	113897	5.33	86972	8.83	47824	11.58
Sample ID						
WG2081999-3 LCS	227794	5.83	173943	9.33	95648	12.08
WG2081999-4 LCSD	232605	5.83	177512	9.34	95366	12.08
WG2081999-5 BLANK	222577	5.83	166158	9.34	83388	12.08
MW-08A	217313	5.83	162785	9.34	82000	12.08
MW-04A	214924	5.83	159161	9.34	80598	12.08
MW-04B	212055	5.83	159227	9.34	80546	12.08
TRIP BLANK	214512	5.83	159756	9.34	80814	12.08
DUP001	212343	5.83	156701	9.34	78160	12.08
MW-08A MS	216985	5.83	165420	9.34	90828	12.08
MW-08A MSD	219274	5.83	167269	9.34	89763	12.08

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: VOA130	**Analysis Date**	: 06/20/25 11:46:00
Sample No	: WG2082353-2	**Lab File ID**	: V30250620B05

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2082353-2	289219	6.05	244984	9.59	158819	12.29
Upper Limit	578438	6.55	489968	10.09	317638	12.79
Lower Limit	144610	5.55	122492	9.09	79410	11.79
Sample ID						
WG2082353-3 LCS	289219	6.05	244984	9.59	158819	12.29
WG2082353-4 LCSD	290343	6.05	246572	9.59	159529	12.29
WG2082353-5 BLANK	252983	6.05	224555	9.59	144074	12.29
MW-06A	262051	6.05	234598	9.59	149867	12.29
MW-06B	251686	6.05	224307	9.59	142733	12.29
MW-07A	249672	6.05	224784	9.59	142396	12.29
MW-07B	245553	6.05	220699	9.59	141372	12.29
MW-10B	243299	6.05	215531	9.59	137567	12.29
MW-10A	237244	6.05	214487	9.59	137148	12.29
MW-09A	238361	6.05	213393	9.59	136277	12.29
MW-09B	243505	6.05	215439	9.59	139828	12.29

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 2

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	*17060-07-0*									*70-130*		
Toluene-d8	*2037-26-5*									*70-130*		
4-Bromofluorobenzene	*460-00-4*									*70-130*		
Dibromofluoromethane	*1868-53-7*									*70-130*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Volatiles Sample Data

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 13:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B11	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-01	Date Collected	: 06/10/25 12:59
Client ID	: MW-06A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 13:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-01	Date Collected	: 06/10/25 12:59
Client ID	: MW-06A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 13:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B11	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 13:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B11	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B12	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-02	Date Collected	: 06/10/25 12:50
Client ID	: MW-06B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 14:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B12	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B12	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B12	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B13	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B13	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B13	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 14:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B13	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B14	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-04	Date Collected	: 06/10/25 12:00
Client ID	: MW-07B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 15:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B14	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B14	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B14	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B15	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B15	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-05	Date Collected	: 06/10/25 10:00
Client ID	: MW-10B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 15:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B15	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B15	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B16	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-06	Date Collected	: 06/10/25 10:00
Client ID	: MW-10A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 15:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B16	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-06	Date Collected	: 06/10/25 10:00
Client ID	: MW-10A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 15:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B16	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 15:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B16	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 16:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B17	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-07	Date Collected	: 06/10/25 09:10
Client ID	: MW-09A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 16:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B17	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-07	Date Collected	: 06/10/25 09:10
Client ID	: MW-09A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 16:08
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B17	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 16:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B17	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B18	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-08	Date Collected	: 06/10/25 09:15
Client ID	: MW-09B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 16:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B18	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-08	Date Collected	: 06/10/25 09:15
Client ID	: MW-09B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 16:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B18	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B18	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A19	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A20	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A20	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-10	Date Collected	: 06/09/25 15:05
Client ID	: MW-05A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/19/25 17:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250619A20	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A20	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A21	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A21	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A21	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A21	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 22:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N07	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 22:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N07	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	1.5	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-12	Date Collected	: 06/09/25 13:25
Client ID	: MW-08A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/19/25 22:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250619N07	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 22:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N07	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-13	Date Collected	: 06/09/25 12:00
Client ID	: MW-02A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/19/25 18:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250619A22	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A22	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A23	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A23	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-14	Date Collected	: 06/09/25 11:45
Client ID	: MW-02B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/19/25 18:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: VE250619A23	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 18:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A23	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A24	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A24	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A24	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A24	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A25	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A25	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A25	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 19:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: VE250619A25	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N08	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N08	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N08	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N08	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N09	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N09	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N09	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 23:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N09	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-19	**Date Collected**	: 06/09/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N10	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-19	**Date Collected**	: 06/09/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N10	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-19	**Date Collected**	: 06/09/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N10	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-19	**Date Collected**	: 06/09/25 00:00
Client ID	: TRIP BLANK	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N10	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N11	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-20	Date Collected	: 06/09/25 00:00
Client ID	: DUP001	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/20/25 00:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: MJV
Lab File ID	: V01250619N11	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N11	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/20/25 00:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: MJV
Lab File ID	: V01250619N11	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081757-5	**Date Collected**	: NA
Client ID	: WG2081757-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE250619A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081757-5	**Date Collected**	: NA
Client ID	: WG2081757-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE250619A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081757-5	**Date Collected**	: NA
Client ID	: WG2081757-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE250619A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081757-5	**Date Collected**	: NA
Client ID	: WG2081757-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 11:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: VE250619A05	**Instrument ID**	: ELAINE
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081999-5	**Date Collected**	: NA
Client ID	: WG2081999-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 22:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V01250619N06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081999-5	**Date Collected**	: NA
Client ID	: WG2081999-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 22:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V01250619N06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2081999-5	Date Collected	: NA
Client ID	: WG2081999-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/19/25 22:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: V01250619N06	Instrument ID	: VOA101
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081999-5	**Date Collected**	: NA
Client ID	: WG2081999-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 22:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: TMS
Lab File ID	: V01250619N06	**Instrument ID**	: VOA101
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082353-5	**Date Collected**	: NA
Client ID	: WG2082353-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/20/25 12:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B08	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.50	0.14	U
563-58-6	1,1-Dichloropropene	ND	2.5	0.70	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082353-5	**Date Collected**	: NA
Client ID	: WG2082353-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/20/25 12:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B08	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
540-59-0	1,2-Dichloroethene, Total	ND	2.5	0.70	U
74-95-3	Dibromomethane	ND	5.0	1.0	U
96-18-4	1,2,3-Trichloropropane	ND	2.5	0.70	U
107-13-1	Acrylonitrile	ND	5.0	1.5	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-05-4	Vinyl acetate	ND	5.0	1.0	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2082353-5	Date Collected	: NA
Client ID	: WG2082353-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/20/25 12:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: PID
Lab File ID	: V30250620B08	Instrument ID	: VOA130
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
594-20-7	2,2-Dichloropropane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
142-28-9	1,3-Dichloropropane	ND	2.5	0.70	U
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.5	0.70	U
108-86-1	Bromobenzene	ND	2.5	0.70	U
104-51-8	n-Butylbenzene	ND	2.5	0.70	U
135-98-8	sec-Butylbenzene	ND	2.5	0.70	U
98-06-6	tert-Butylbenzene	ND	2.5	0.70	U
95-49-8	o-Chlorotoluene	ND	2.5	0.70	U
106-43-4	p-Chlorotoluene	ND	2.5	0.70	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
87-68-3	Hexachlorobutadiene	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
99-87-6	p-Isopropyltoluene	ND	2.5	0.70	U
91-20-3	Naphthalene	ND	2.5	0.70	U
103-65-1	n-Propylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
108-67-8	1,3,5-Trimethylbenzene	ND	2.5	0.70	U
95-63-6	1,2,4-Trimethylbenzene	ND	2.5	0.70	U
123-91-1	1,4-Dioxane	ND	250	61.	U
105-05-5	p-Diethylbenzene	ND	2.0	0.70	U
622-96-8	p-Ethyltoluene	ND	2.0	0.70	U
95-93-2	1,2,4,5-Tetramethylbenzene	ND	2.0	0.54	U
60-29-7	Ethyl ether	ND	2.5	0.70	U

Results Summary
Form 1
Volatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082353-5	**Date Collected**	: NA
Client ID	: WG2082353-5BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/20/25 12:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 1,8260D	**Analyst**	: PID
Lab File ID	: V30250620B08	**Instrument ID**	: VOA130
Sample Amount	: 10 ml	**GC Column**	: RTX-502.2
Level	: LOW	**%Solids**	: N/A
Extract Volume (MeOH)	: N/A	**Injection Volume**	: N/A

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
110-57-6	trans-1,4-Dichloro-2-butene	ND	2.5	0.70	U

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A19.D
Acq On : 19 Jun 2025 5:17 pm
Operator : ELAINE:mjv
Sample : L2536247-09,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 21 09:01:00 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.750	96	238842	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery =	88.88%	
63) Chlorobenzene-d5	9.253	117	199984	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery =	91.89%	
84) 1,4-Dichlorobenzene-d4	12.010	152	116462	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery =	88.34%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.956	113	75336	11.328 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.28%	
47) 1,2-Dichloroethane-d4	5.465	65	72666	11.035 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.35%	
64) Toluene-d8	7.425	98	249335	9.893 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.93%	
88) 4-Bromofluorobenzene	10.777	95	85076	9.062 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.62%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.663	85	43	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.049	94	42	N.D.	
6) Chloroethane	2.220	64	44	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.787	76	97	N.D.	
15) Methylene chloride	3.366	84	44	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	3.450	96	44	N.D.	
21) Methyl tert-butyl ether	3.538	73	246	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	3.884	53	41	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.785	83	1475	0.145 ug/L #	84

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A19.D
Acq On : 19 Jun 2025 5:17 pm
Operator : ELAINE:mjv
Sample : L2536247-09,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 21 09:01:00 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	0.000		0	N.D.		
43) 1,1-Dichloropropene	0.000		0	N.D.		
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	5.535	62	44	N.D.		
52) Trichloroethene	5.873	95	102	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.		
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	0.000		0	N.D.		
66) 4-Methyl-2-pentanone	8.085	58	48	N.D.		
67) Tetrachloroethene	7.922	166	772	0.127	ug/L #	63
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	0.000		0	N.D.		
79) Ethylbenzene	9.321	91	63	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	9.624	106	48	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	10.944	91	59	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	0.000		0	N.D.		
94) 2-Chlorotoluene	10.944	91	59	N.D.		
95) 1,3,5-Trimethylbenzene	0.000		0	N.D.		
96) 1,2,3-Trichloropropane	0.000		0	N.D.		
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
98) 4-Chlorotoluene	11.363	91	67	N.D.		
99) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A19.D
Acq On : 19 Jun 2025 5:17 pm
Operator : ELAINE:mjv
Sample : L2536247-09,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 21 09:01:00 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.323	91	44		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	13.050	119	41		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	13.896	225	53		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	14.174	128	40		N.D.	
116) 1,2,3-Trichlorobenzene	14.288	180	42		N.D.	

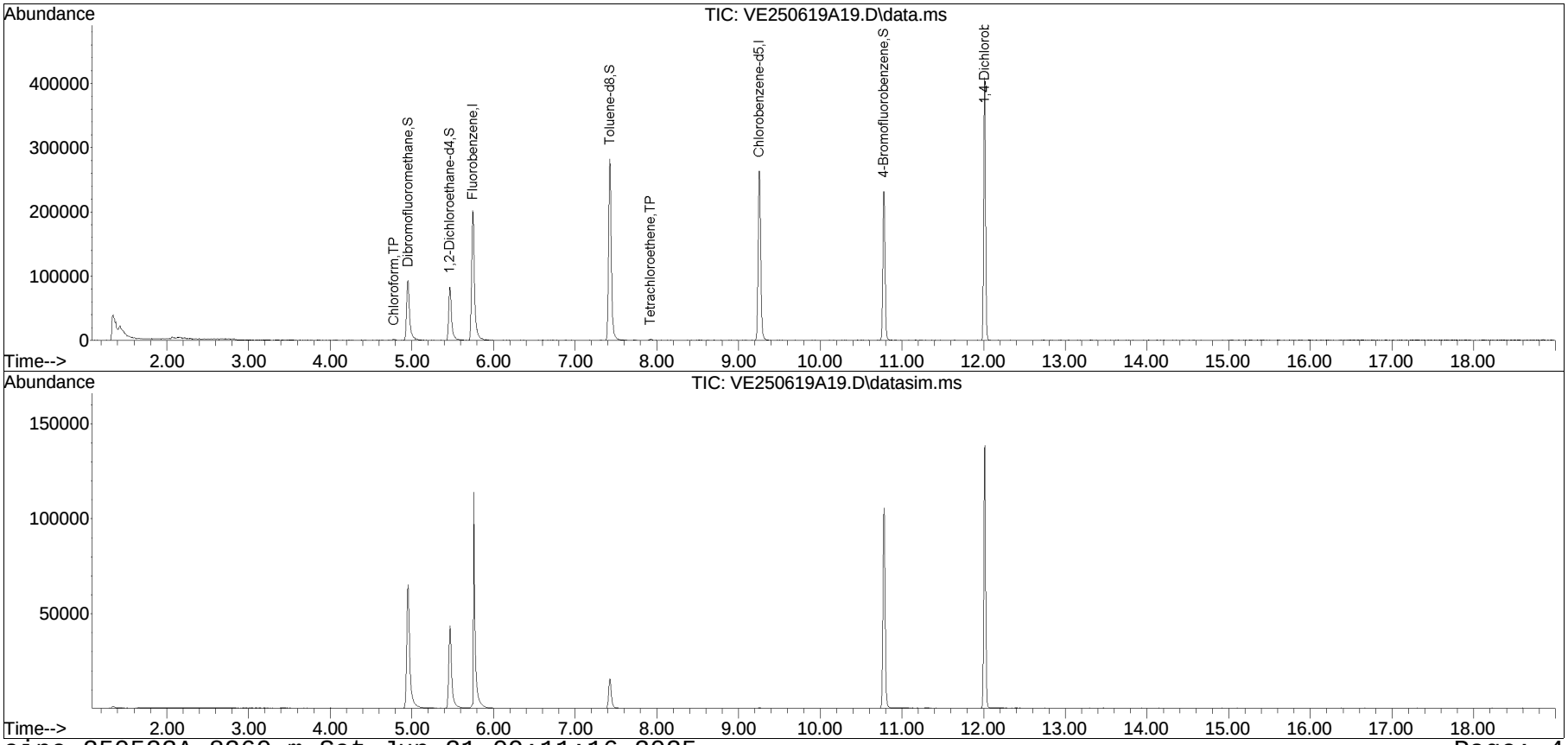
(#) = qualifier out of range (m) = manual integration (+) = signals summed

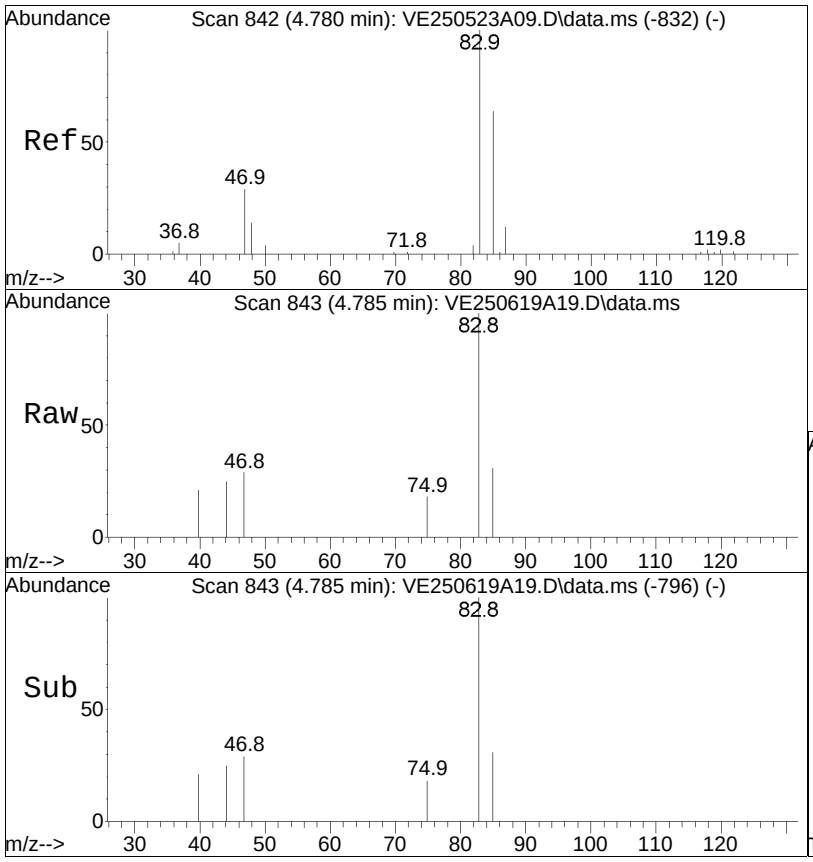
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A19.D
Acq On : 19 Jun 2025 5:17 pm
Operator : ELAINE:mjv
Sample : L2536247-09,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 21 09:01:00 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

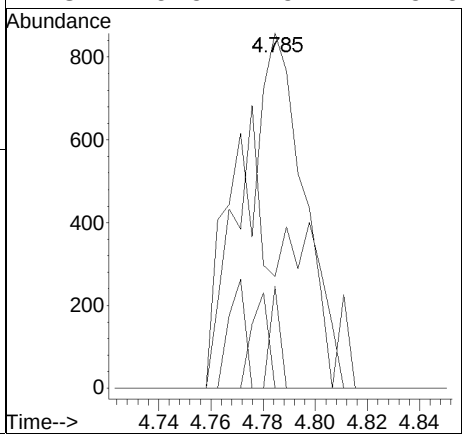


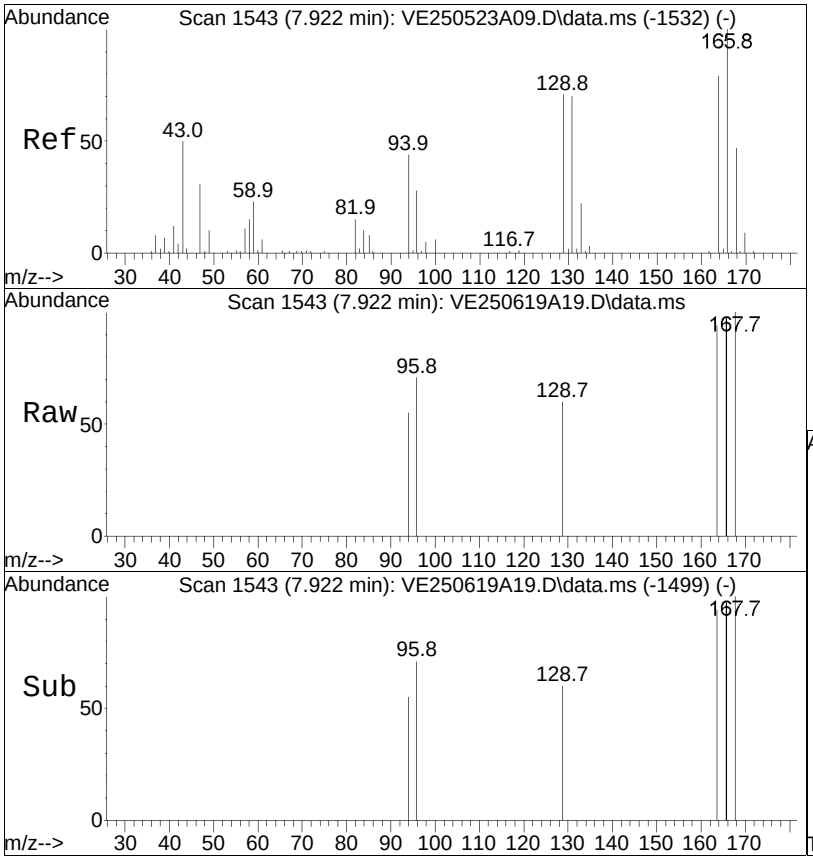


#35
Chloroform
Concen: 0.15 ug/L
RT: 4.785 min Scan# 843
Delta R.T. 0.004 min
Lab File: VE250619A19.D
Acq: 19 Jun 2025 5:17 pm

Tgt Ion: 83 Resp: 1475

Ion	Ratio	Lower	Upper
83	100		
85	67.7	41.7	86.5
47	4.4	17.4	36.2#
48	6.9	9.2	19.0#

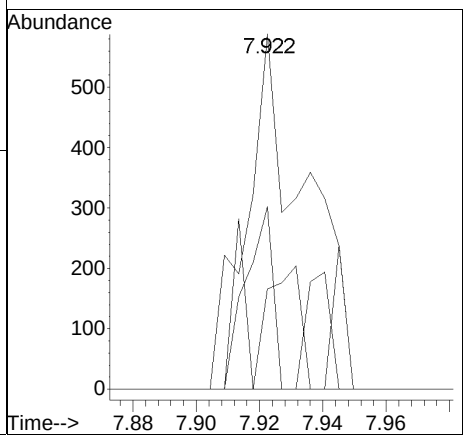




#67
Tetrachloroethene
Concen: 0.13 ug/L
RT: 7.922 min Scan# 1543
Delta R.T. -0.000 min
Lab File: VE250619A19.D
Acq: 19 Jun 2025 5:17 pm

Tgt Ion:166 Resp: 772

Ion	Ratio	Lower	Upper
166	100		
168	23.4	28.0	68.0#
94	19.2	22.9	62.9#



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A19.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 5:17 pm	Instrument	: Elaine
Sample	: L2536247-09,31,10,10,,A	Quant Date	: 6/21/2025 8:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A20.D
Acq On : 19 Jun 2025 5:42 pm
Operator : ELAINE:mjv
Sample : L2536247-10,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 21 09:01:13 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.750	96	232480	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery =	86.51%	
63) Chlorobenzene-d5	9.257	117	197693	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery =	90.84%	
84) 1,4-Dichlorobenzene-d4	12.010	152	117562	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery =	89.17%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	74427	11.498 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.98%	
47) 1,2-Dichloroethane-d4	5.465	65	72770	11.354 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.54%	
64) Toluene-d8	7.425	98	242673	9.740 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.40%	
88) 4-Bromofluorobenzene	10.781	95	83744	8.837 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	88.37%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.417	85	49	N.D.	
3) Chloromethane	0.000		0	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.054	94	125	N.D.	
6) Chloroethane	2.225	64	45	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	0.000		0	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.327	43	1645	1.278 ug/L	98
18) trans-1,2-Dichloroethene	0.000		0	N.D. d	
21) Methyl tert-butyl ether	3.397	73	49	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.266	43	57	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	4.714	77	121	N.D.	
33) Bromochloromethane	4.886	128	40	N.D.	
35) Chloroform	0.000		0	N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A20.D
Acq On : 19 Jun 2025 5:42 pm
Operator : ELAINE:mjv
Sample : L2536247-10,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 21 09:01:13 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.061	43	70		N.D.	
43) 1,1-Dichloropropene	5.070	75	42		N.D.	
45) Benzene	5.373	78	44		N.D.	
48) 1,2-Dichloroethane	5.355	62	45		N.D.	
52) Trichloroethene	5.886	95	119		N.D.	
54) Dibromomethane	6.325	93	42		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	7.239	75	46		N.D.	
65) Toluene	7.474	92	140		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.262	91	161		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	10.781	91	200		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	11.116	91	261		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	11.134	75	50		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.297	91	50		N.D.	
99) tert-Butylbenzene	11.513	119	48		N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A20.D
Acq On : 19 Jun 2025 5:42 pm
Operator : ELAINE:mjv
Sample : L2536247-10,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 21 09:01:13 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	12.006	119	42		N.D.	
105) 1,3-Dichlorobenzene	12.015	146	45		N.D.	
106) 1,4-Dichlorobenzene	12.015	146	45		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.477	91	61		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	13.178	119	55		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

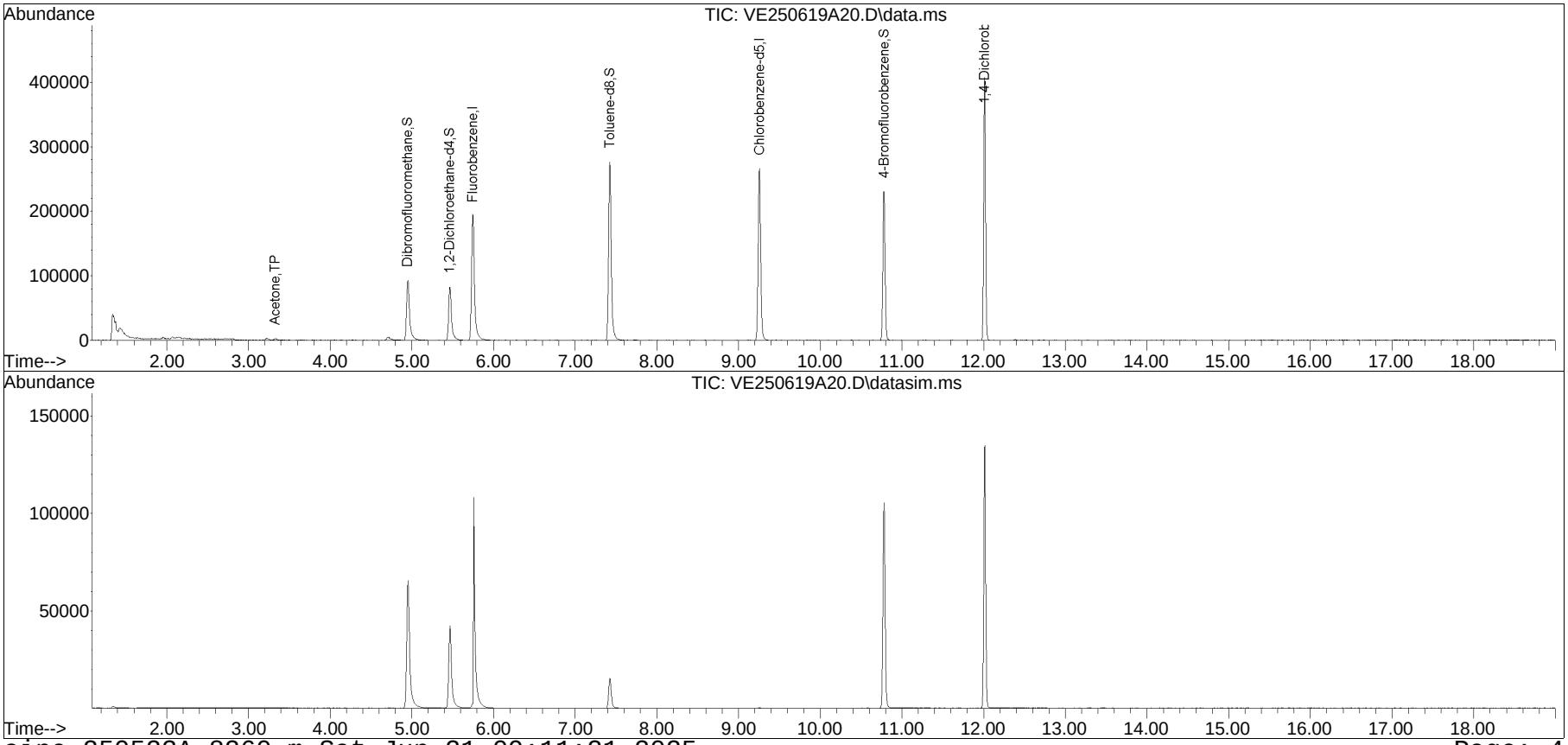
(#) = qualifier out of range (m) = manual integration (+) = signals summed

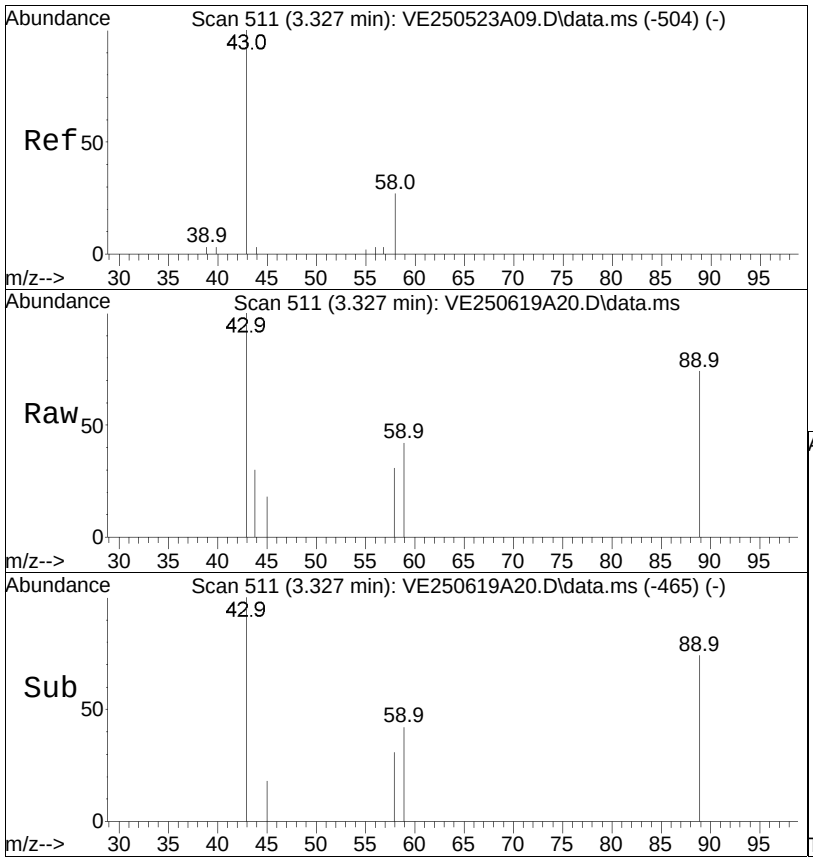
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A20.D
Acq On : 19 Jun 2025 5:42 pm
Operator : ELAINE:mjv
Sample : L2536247-10,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 21 09:01:13 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

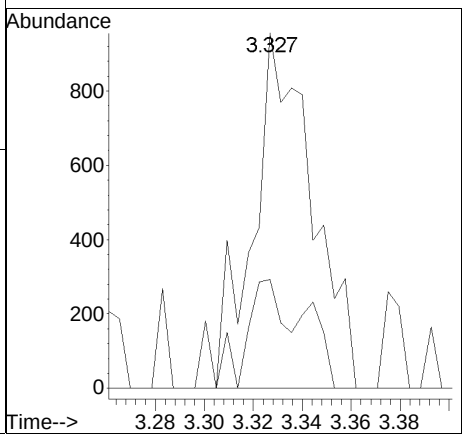




#17
Acetone
Concen: 1.28 ug/L
RT: 3.327 min Scan# 511
Delta R.T. -0.000 min
Lab File: VE250619A20.D
Acq: 19 Jun 2025 5:42 pm

Tgt Ion: 43 Resp: 1645

Ion	Ratio	Lower	Upper
43	100		
58	28.8	22.4	33.6



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A20.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 5:42 pm	Instrument	: Elaine
Sample	: L2536247-10,31,10,10,,A	Quant Date	: 6/21/2025 8:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A21.D
Acq On : 19 Jun 2025 6:07 pm
Operator : ELAINE:mjv
Sample : L2536247-11,31,10,10,,C
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 21 09:01:25 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	234307	10.000	ug/L	0.00
Standard Area 1 = 268738			Recovery = 87.19%			
63) Chlorobenzene-d5	9.257	117	195964	10.000	ug/L	0.00
Standard Area 1 = 217636			Recovery = 90.04%			
84) 1,4-Dichlorobenzene-d4	12.010	152	116742	10.000	ug/L	0.00
Standard Area 1 = 131839			Recovery = 88.55%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	73678	11.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 112.93%			
47) 1,2-Dichloroethane-d4	5.465	65	73595	11.393	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.93%			
64) Toluene-d8	7.424	98	242305	9.811	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.11%			
88) 4-Bromofluorobenzene	10.781	95	86111	9.151	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.51%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.386	85	40	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.071	94	44	N.D.		
6) Chloroethane	2.146	64	43	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.642	96	43	N.D.		
11) Carbon disulfide	2.787	76	507	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.336	43	3834	2.956	ug/L	97
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	3.581	73	43	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	4.060	43	70	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	4.683	77	43	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	4.789	83	65	N.D.		

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A21.D
Acq On : 19 Jun 2025 6:07 pm
Operator : ELAINE:mjv
Sample : L2536247-11,31,10,10,,C
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 21 09:01:25 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	4.964	117	41	N.D.		
40) 1,1,1-Trichloroethane	0.000		0	N.D.		
42) 2-Butanone	5.052	43	58	N.D.		
43) 1,1-Dichloropropene	5.114	75	40	N.D.		
45) Benzene	0.000		0	N.D.		
48) 1,2-Dichloroethane	0.000		0	N.D.		
52) Trichloroethene	0.000		0	N.D.		
54) Dibromomethane	0.000		0	N.D.		
55) 1,2-Dichloropropane	0.000		0	N.D.		
58) Bromodichloromethane	0.000		0	N.D.		
61) 1,4-Dioxane	0.000		0	N.D.	d	
62) cis-1,3-Dichloropropene	0.000		0	N.D.		
65) Toluene	7.483	92	191	N.D.		
66) 4-Methyl-2-pentanone	7.936	58	69	N.D.		
67) Tetrachloroethene	0.000		0	N.D.		
69) trans-1,3-Dichloropropene	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	0.000		0	N.D.		
73) Chlorodibromomethane	0.000		0	N.D.		
74) 1,3-Dichloropropane	0.000		0	N.D.		
75) 1,2-Dibromoethane	0.000		0	N.D.		
77) 2-Hexanone	0.000		0	N.D.		
78) Chlorobenzene	9.253	112	44	N.D.		
79) Ethylbenzene	9.253	91	580	N.D.		
80) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
81) p/m Xylene	9.321	106	57	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	0.000		0	N.D.		
87) Isopropylbenzene	0.000		0	N.D.		
89) Bromobenzene	0.000		0	N.D.		
90) n-Propylbenzene	10.781	91	278	N.D.		
92) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
93) 4-Ethyltoluene	11.147	105	42	N.D.		
94) 2-Chlorotoluene	0.000		0	N.D.		
95) 1,3,5-Trimethylbenzene	11.147	105	42	N.D.		
96) 1,2,3-Trichloropropane	0.000		0	N.D.		
97) trans-1,4-Dichloro-2-b...	11.393	53	44	N.D.		
98) 4-Chlorotoluene	11.429	91	41	N.D.		
99) tert-Butylbenzene	0.000		0	N.D.		

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A21.D
Acq On : 19 Jun 2025 6:07 pm
Operator : ELAINE:mjv
Sample : L2536247-11,31,10,10,,C
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 21 09:01:25 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.623	105	45	N.D.		
103) sec-Butylbenzene	11.623	105	45	N.D.		
104) p-Isopropyltoluene	11.878	119	59	N.D.		
105) 1,3-Dichlorobenzene	0.000		0	N.D.		
106) 1,4-Dichlorobenzene	0.000		0	N.D.		
107) p-Diethylbenzene	12.310	119	40	N.D.		
108) n-Butylbenzene	12.319	91	59	N.D.		
109) 1,2-Dichlorobenzene	12.464	146	45	N.D.		
110) 1,2,4,5-Tetramethylben...	0.000		0	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	14.046	180	56	N.D.		
115) Naphthalene	0.000		0	N.D.		
116) 1,2,3-Trichlorobenzene	14.200	180	45	N.D.		

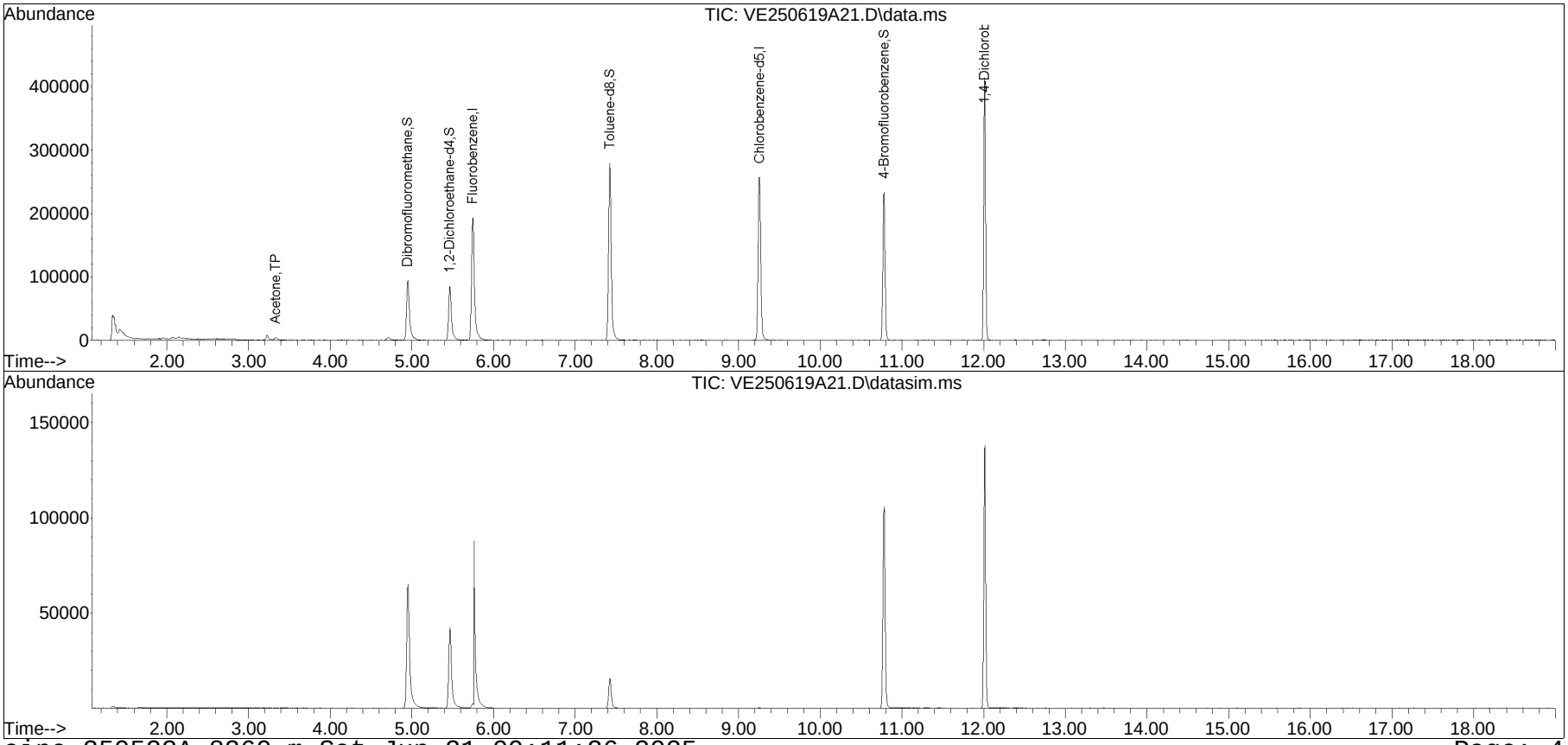
(#) = qualifier out of range (m) = manual integration (+) = signals summed

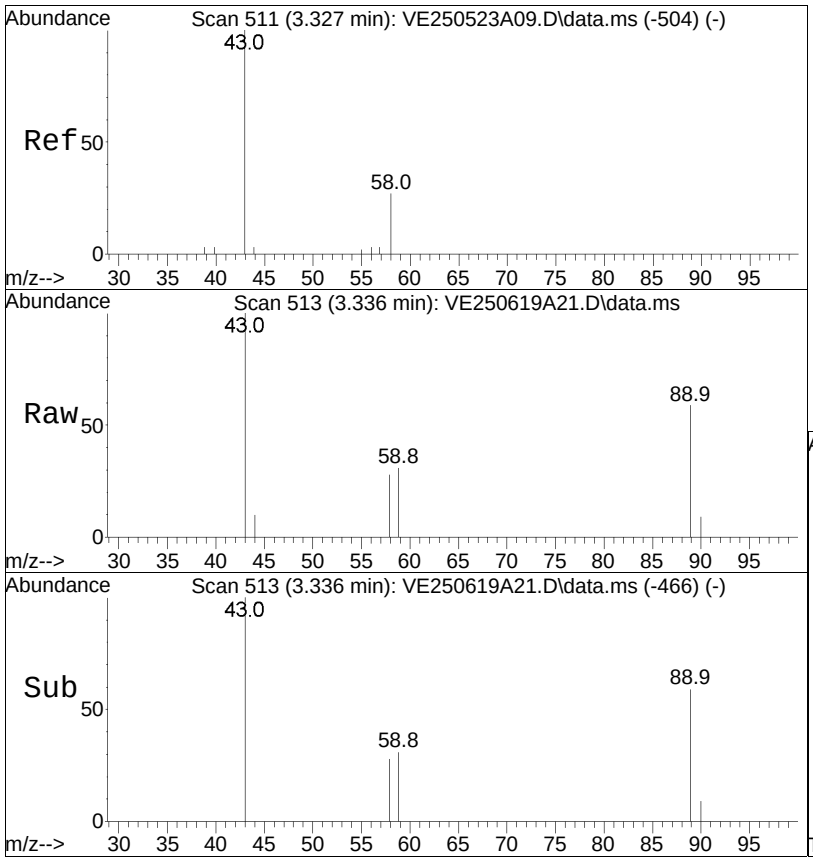
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A21.D
Acq On : 19 Jun 2025 6:07 pm
Operator : ELAINE:mjv
Sample : L2536247-11,31,10,10,,C
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 21 09:01:25 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

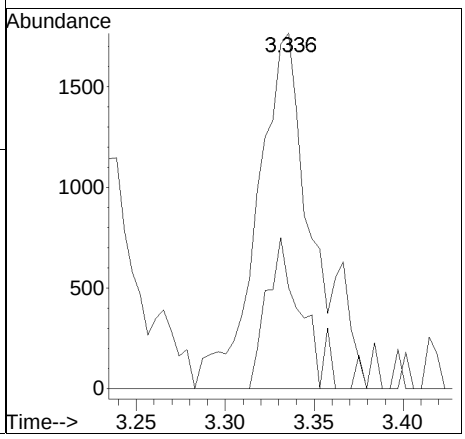




#17
Acetone
Concen: 2.96 ug/L
RT: 3.336 min Scan# 513
Delta R.T. 0.009 min
Lab File: VE250619A21.D
Acq: 19 Jun 2025 6:07 pm

Tgt Ion: 43 Resp: 3834

Ion	Ratio	Lower	Upper
43	100		
58	26.4	22.4	33.6



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A21.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 6:07 pm	Instrument	: Elaine
Sample	: L2536247-11,31,10,10,,C	Quant Date	: 6/21/2025 8:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A22.D
Acq On : 19 Jun 2025 6:33 pm
Operator : ELAINE:mjv
Sample : L2536247-13,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 21 09:01:35 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	229215	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery =	85.29%	
63) Chlorobenzene-d5	9.253	117	197163	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery =	90.59%	
84) 1,4-Dichlorobenzene-d4	12.011	152	113555	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery =	86.13%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	73826	11.567 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.67%	
47) 1,2-Dichloroethane-d4	5.470	65	71808	11.363 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.63%	
64) Toluene-d8	7.425	98	242140	9.745 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.45%	
88) 4-Bromofluorobenzene	10.777	95	84791	9.263 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.63%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.360	85	120	N.D.	
3) Chloromethane	1.716	50	47	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.124	94	40	N.D.	
6) Chloroethane	2.155	64	42	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.743	96	40	N.D.	
11) Carbon disulfide	2.791	76	354	N.D.	
15) Methylene chloride	3.283	84	54	N.D.	
17) Acetone	3.336	43	1765	1.391 ug/L #	89
18) trans-1,2-Dichloroethene	0.000		0	N.D. d	
21) Methyl tert-butyl ether	0.000		0	N.D. d	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	4.530	77	45	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.706	83	41	N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A22.D
Acq On : 19 Jun 2025 6:33 pm
Operator : ELAINE:mjv
Sample : L2536247-13,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 21 09:01:35 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.070	43	41		N.D.	
43) 1,1-Dichloropropene	5.083	75	58		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	5.434	62	44		N.D.	
52) Trichloroethene	5.882	95	191		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.465	92	85		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	7.923	166	56		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	9.366	112	48		N.D.	
79) Ethylbenzene	9.257	91	314		N.D.	
80) 1,1,1,2-Tetrachloroethane	9.271	131	43		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	10.140	173	50		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	10.953	91	87		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	11.107	91	244		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	11.407	53	43		N.D.	
98) 4-Chlorotoluene	11.306	91	107		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A22.D
Acq On : 19 Jun 2025 6:33 pm
Operator : ELAINE:mjv
Sample : L2536247-13,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 21 09:01:35 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	11.874	119	47		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.323	91	145		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	13.790	225	40		N.D.	
114) 1,2,4-Trichlorobenzene	13.834	180	54		N.D.	
115) Naphthalene	14.160	128	40		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

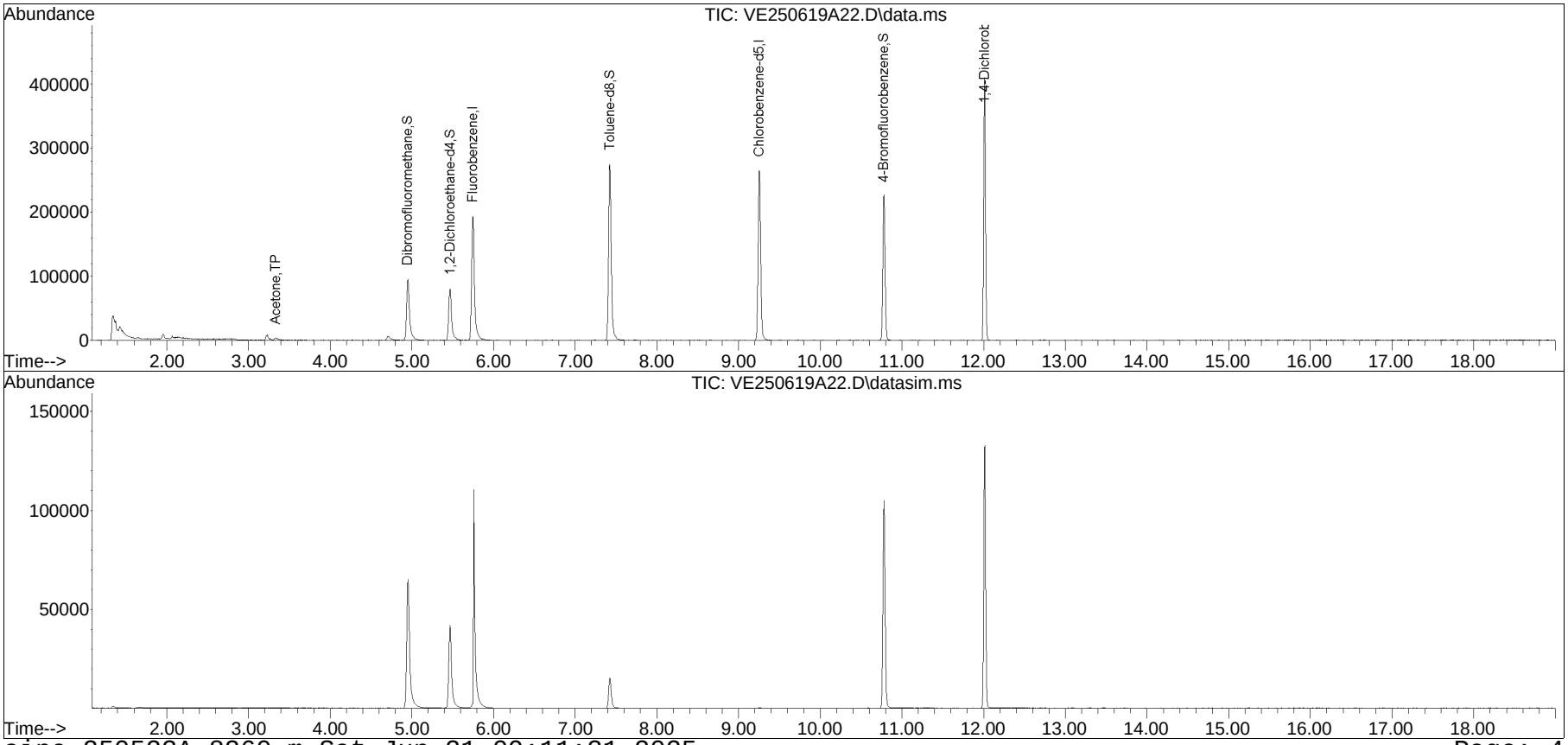
(#) = qualifier out of range (m) = manual integration (+) = signals summed

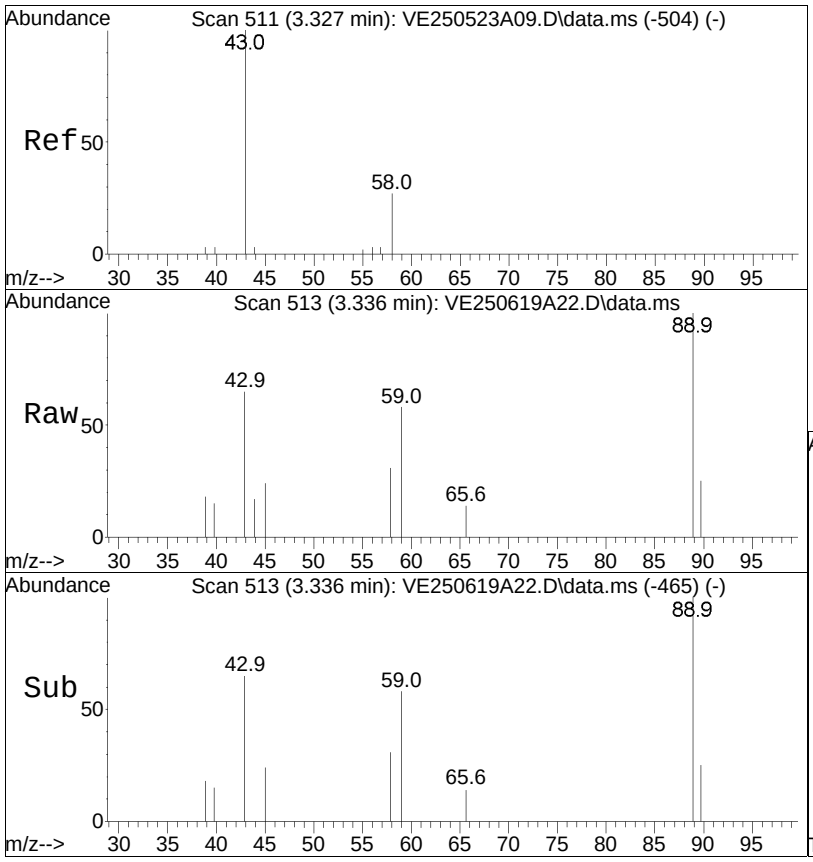
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A22.D
Acq On : 19 Jun 2025 6:33 pm
Operator : ELAINE:mjv
Sample : L2536247-13,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 21 09:01:35 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

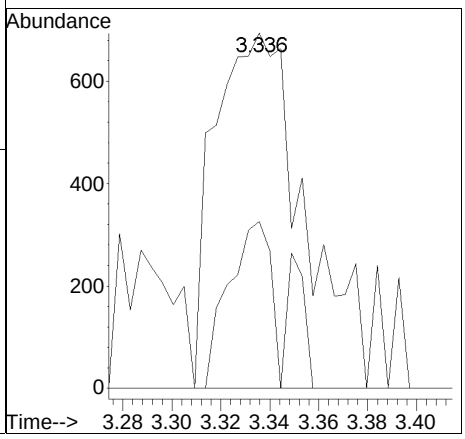




#17
Acetone
Concen: 1.39 ug/L
RT: 3.336 min Scan# 513
Delta R.T. 0.009 min
Lab File: VE250619A22.D
Acq: 19 Jun 2025 6:33 pm

Tgt Ion: 43 Resp: 1765

Ion	Ratio	Lower	Upper
43	100		
58	22.2	22.4	33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A22.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 6:33 pm	Instrument	: Elaine
Sample	: L2536247-13,31,10,10,,A	Quant Date	: 6/21/2025 8:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A23.D
Acq On : 19 Jun 2025 6:58 pm
Operator : ELAINE:mjv
Sample : L2536247-14,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 21 09:01:46 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	229632	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery =	85.45%	
63) Chlorobenzene-d5	9.257	117	193676	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery =	88.99%	
84) 1,4-Dichlorobenzene-d4	12.010	152	114235	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery =	86.65%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	73898	11.558 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.58%	
47) 1,2-Dichloroethane-d4	5.465	65	71944	11.364 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.64%	
64) Toluene-d8	7.425	98	238971	9.790 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.90%	
88) 4-Bromofluorobenzene	10.781	95	83608	9.080 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.80%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.329	85	465	N.D.	
3) Chloromethane	1.685	50	42	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.093	94	41	N.D.	
6) Chloroethane	2.317	64	84	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	2.435	74	53	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.787	76	1767	0.108 ug/L #	82
15) Methylene chloride	3.300	84	40	N.D.	
17) Acetone	3.336	43	1719	1.353 ug/L #	86
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.152	43	47	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D. d	
33) Bromochloromethane	4.780	128	46	N.D.	
35) Chloroform	4.758	83	42	N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A23.D
Acq On : 19 Jun 2025 6:58 pm
Operator : ELAINE:mjv
Sample : L2536247-14,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 21 09:01:46 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	5.048	75	53		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	5.854	95	179		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	6.456	63	42		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.474	92	463		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	7.941	166	49		N.D.	
69) trans-1,3-Dichloropropene	7.968	75	49		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.266	91	98		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	10.153	173	47		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.103	91	235		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	11.103	91	340		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	11.081	53	51		N.D.	
98) 4-Chlorotoluene	11.279	91	42		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A23.D
Acq On : 19 Jun 2025 6:58 pm
Operator : ELAINE:mjv
Sample : L2536247-14,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 21 09:01:46 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.601	105	48	N.D.		
103) sec-Butylbenzene	11.601	105	48	N.D.		
104) p-Isopropyltoluene	0.000		0	N.D.		
105) 1,3-Dichlorobenzene	12.010	146	62	N.D.		
106) 1,4-Dichlorobenzene	12.010	146	62	N.D.		
107) p-Diethylbenzene	0.000		0	N.D.		
108) n-Butylbenzene	12.204	91	41	N.D.		
109) 1,2-Dichlorobenzene	0.000		0	N.D.		
110) 1,2,4,5-Tetramethylben...	13.037	119	86	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	0.000		0	N.D.		
114) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
115) Naphthalene	14.160	128	40	N.D.		
116) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

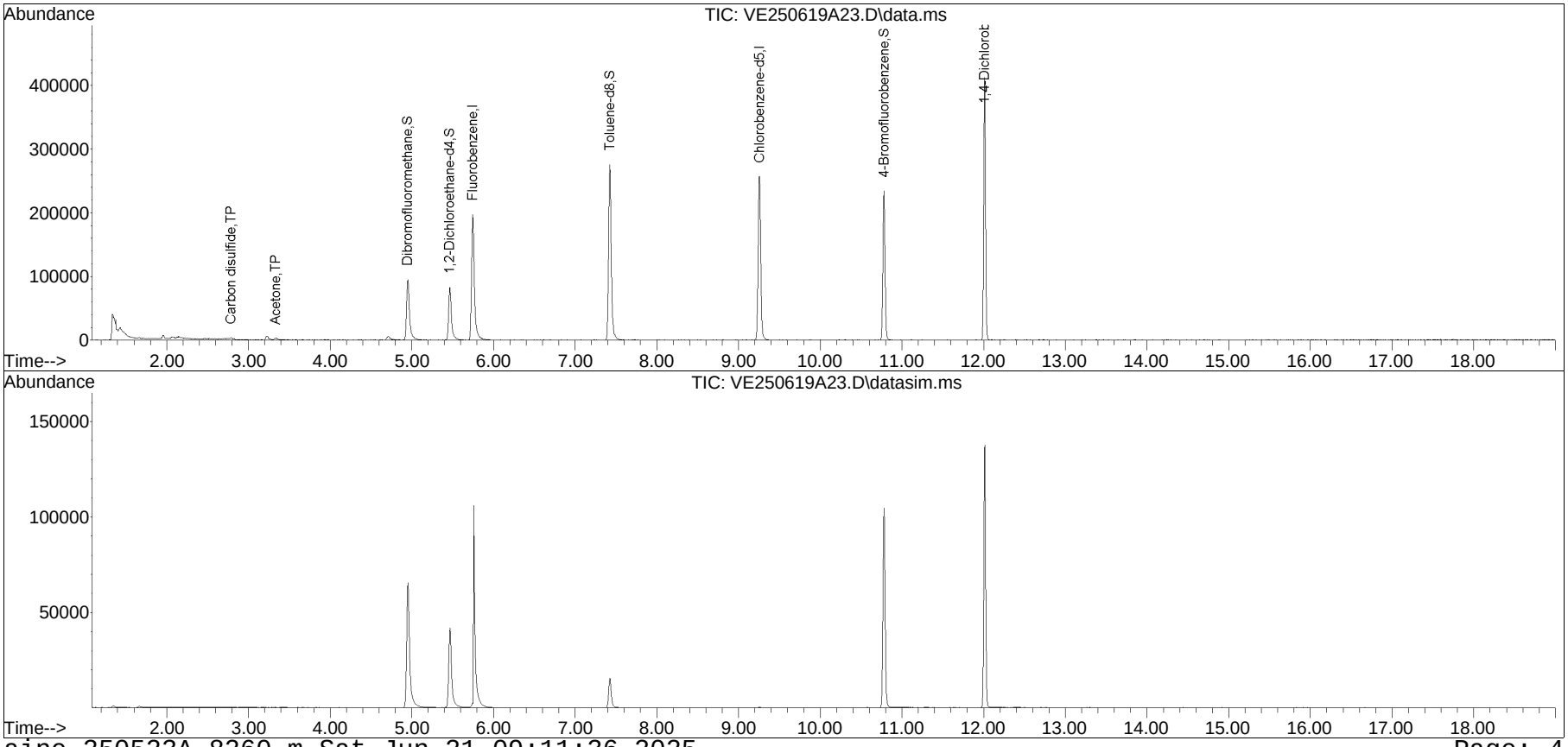
(#) = qualifier out of range (m) = manual integration (+) = signals summed

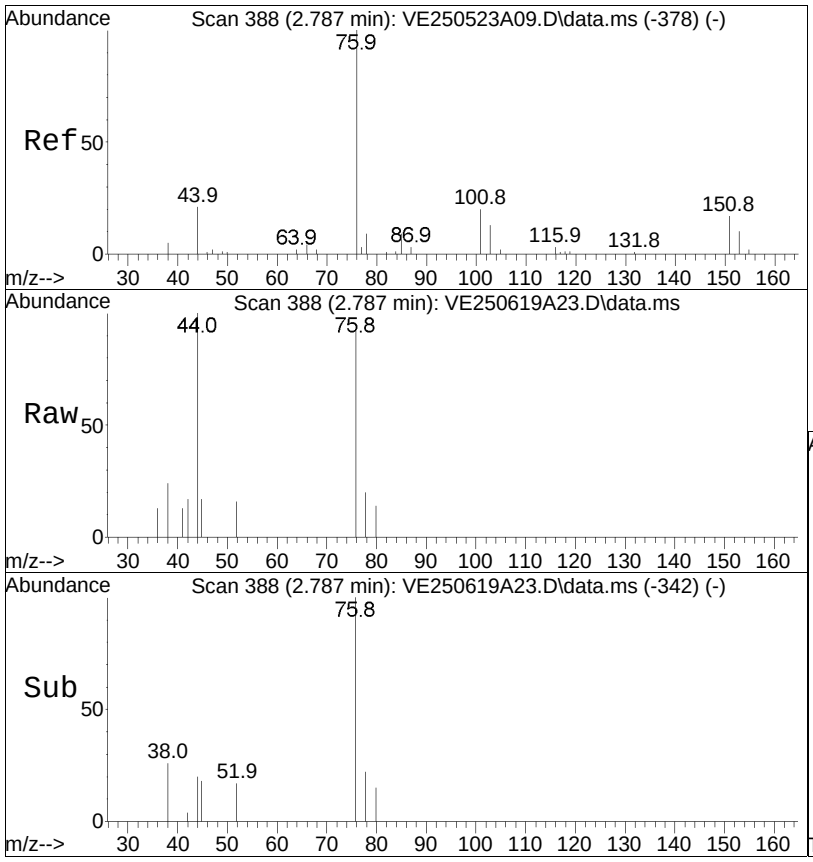
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A23.D
Acq On : 19 Jun 2025 6:58 pm
Operator : ELAINE:mjv
Sample : L2536247-14,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 21 09:01:46 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

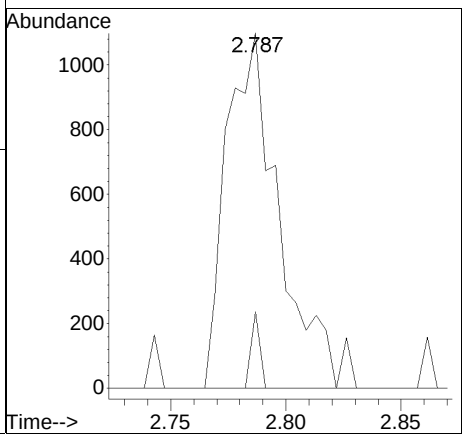


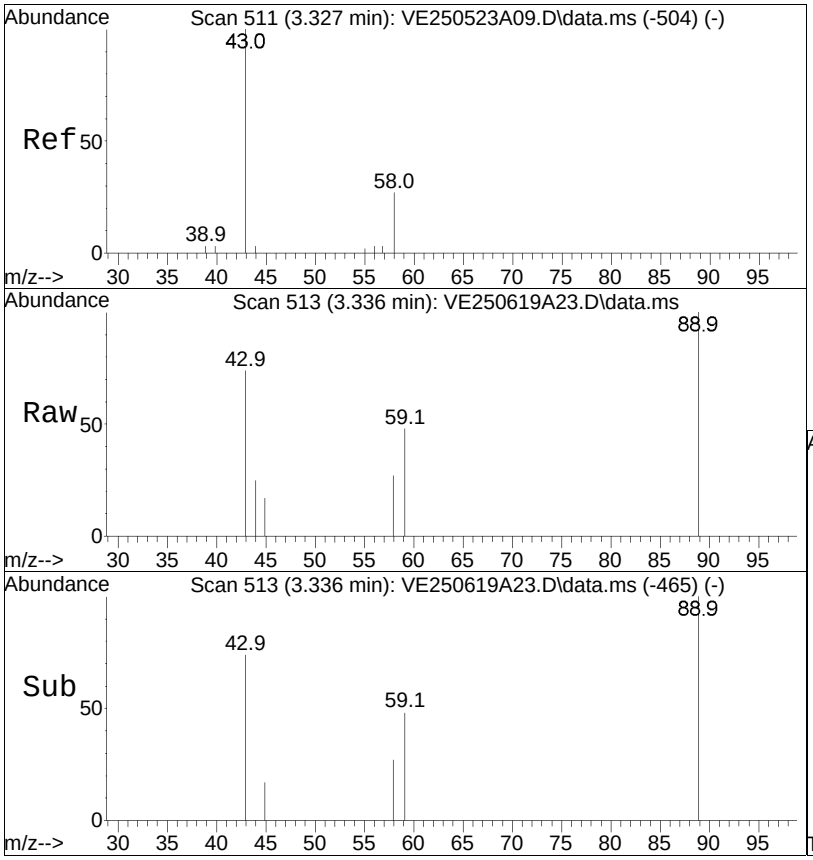


#11
Carbon disulfide
Concen: 0.11 ug/L
RT: 2.787 min Scan# 388
Delta R.T. -0.000 min
Lab File: VE250619A23.D
Acq: 19 Jun 2025 6:58 pm

Tgt Ion: 76 Resp: 1767

Ion	Ratio	Lower	Upper
76	100		
78	3.5	6.6	13.8#

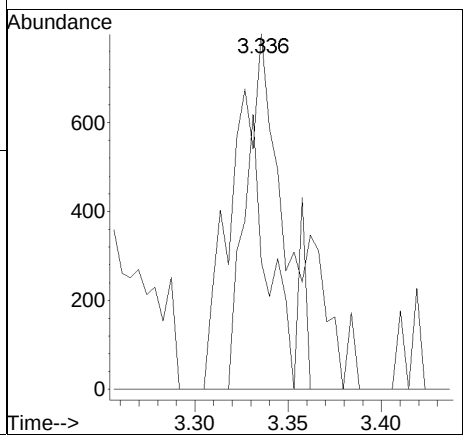




#17
Acetone
Concen: 1.35 ug/L
RT: 3.336 min Scan# 513
Delta R.T. 0.009 min
Lab File: VE250619A23.D
Acq: 19 Jun 2025 6:58 pm

Tgt Ion: 43 Resp: 1719

Ion	Ratio	Lower	Upper
43	100		
58	35.3	22.4	33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A23.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 6:58 pm	Instrument	: Elaine
Sample	: L2536247-14,31,10,10,,A	Quant Date	: 6/21/2025 8:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A24.D
Acq On : 19 Jun 2025 7:22 pm
Operator : ELAINE:mjv
Sample : L2536247-15,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 21 09:01:58 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	227050	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery = 84.49%		
63) Chlorobenzene-d5	9.253	117	190748	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery = 87.65%		
84) 1,4-Dichlorobenzene-d4	12.015	152	115879	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery = 87.89%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	72666	11.494 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 114.94%		
47) 1,2-Dichloroethane-d4	5.465	65	69564	11.113 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 111.13%		
64) Toluene-d8	7.420	98	236844	9.852 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.52%		
88) 4-Bromofluorobenzene	10.777	95	86277	9.237 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.37%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.364	85	132	N.D.	
3) Chloromethane	1.693	50	187	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.045	94	100	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.773	96	41	N.D.	
11) Carbon disulfide	2.791	76	942	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.340	43	1460	1.162 ug/L #	65
18) trans-1,2-Dichloroethene	0.000		0	N.D. d	
21) Methyl tert-butyl ether	3.344	73	55	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	3.902	53	41	N.D.	
29) Vinyl acetate	4.236	43	40	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A24.D
Acq On : 19 Jun 2025 7:22 pm
Operator : ELAINE:mjv
Sample : L2536247-15,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 21 09:01:58 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.061	43	43		N.D.	
43) 1,1-Dichloropropene	5.114	75	102		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	5.588	62	45		N.D.	
52) Trichloroethene	5.859	95	119		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.474	92	63		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	7.800	75	44		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	8.732	43	54		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.253	91	45		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	10.217	173	50		N.D.	
87) Isopropylbenzene	10.325	105	42		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	10.794	91	40		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.173	105	43		N.D.	
94) 2-Chlorotoluene	11.107	91	124		N.D.	
95) 1,3,5-Trimethylbenzene	11.173	105	43		N.D.	
96) 1,2,3-Trichloropropane	11.023	75	43		N.D.	
97) trans-1,4-Dichloro-2-b...	11.332	53	54		N.D.	
98) 4-Chlorotoluene	11.160	91	41		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A24.D
Acq On : 19 Jun 2025 7:22 pm
Operator : ELAINE:mjv
Sample : L2536247-15,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 21 09:01:58 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	11.874	105	40		N.D.	
104) p-Isopropyltoluene	12.001	119	42		N.D.	
105) 1,3-Dichlorobenzene	11.781	146	40		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	12.134	119	40		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	13.054	119	141		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

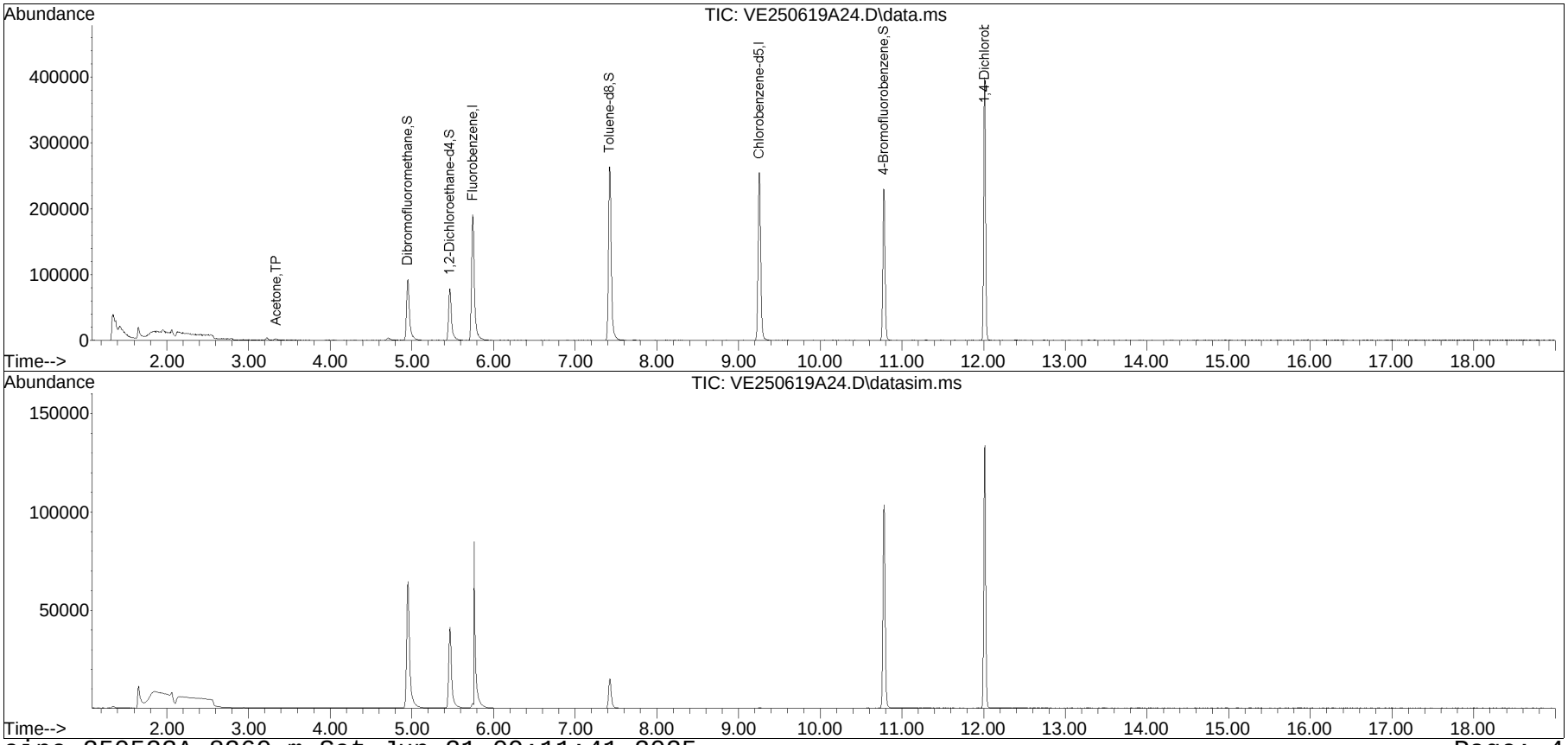
(#) = qualifier out of range (m) = manual integration (+) = signals summed

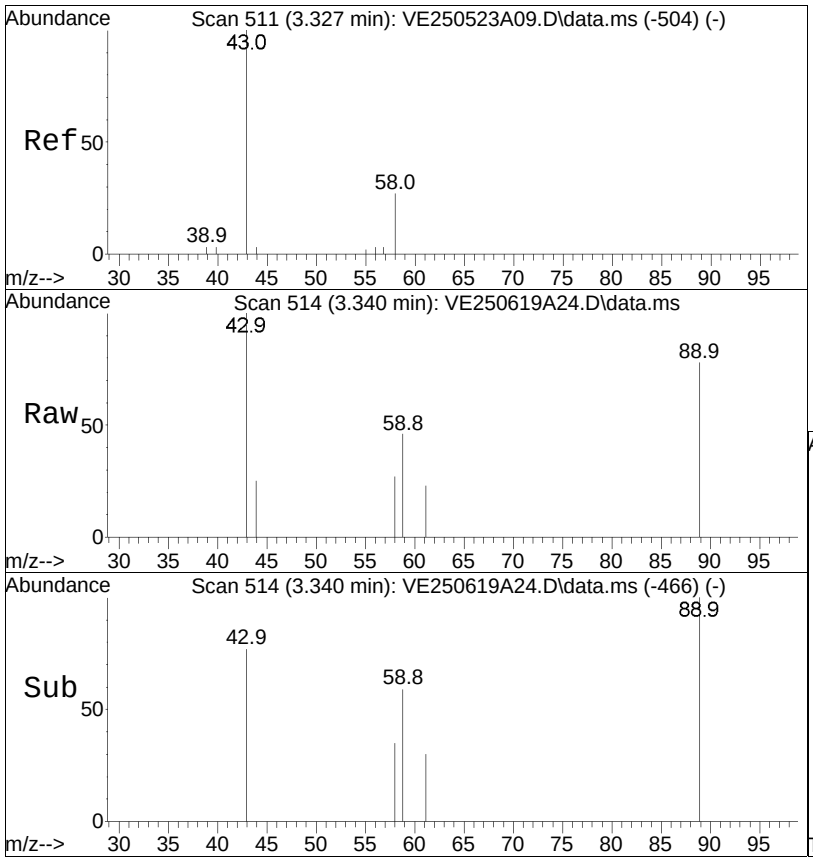
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A24.D
Acq On : 19 Jun 2025 7:22 pm
Operator : ELAINE:mjv
Sample : L2536247-15,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 21 09:01:58 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

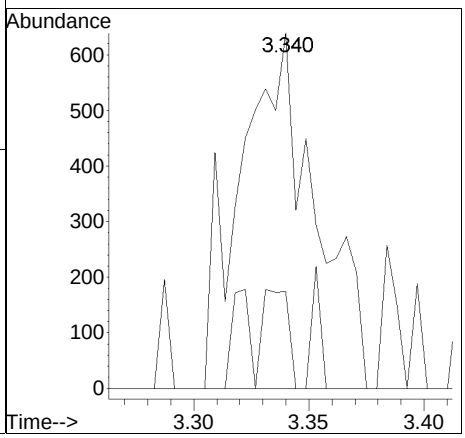




#17
Acetone
Concen: 1.16 ug/L
RT: 3.340 min Scan# 514
Delta R.T. 0.013 min
Lab File: VE250619A24.D
Acq: 19 Jun 2025 7:22 pm

Tgt Ion: 43 Resp: 1460

Ion	Ratio	Lower	Upper
43	100		
58	9.5	22.4	33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A24.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 7:22 pm	Instrument	: Elaine
Sample	: L2536247-15,31,10,10,,A	Quant Date	: 6/21/2025 8:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A25.D
Acq On : 19 Jun 2025 7:47 pm
Operator : ELAINE:mjv
Sample : L2536247-16,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 21 09:02:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	226793	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery =	84.39%	
63) Chlorobenzene-d5	9.253	117	192429	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery =	88.42%	
84) 1,4-Dichlorobenzene-d4	12.015	152	111597	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery =	84.65%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	72960	11.554 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.54%	
47) 1,2-Dichloroethane-d4	5.465	65	72027	11.519 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.19%	
64) Toluene-d8	7.420	98	242151	9.985 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.85%	
88) 4-Bromofluorobenzene	10.777	95	83376	9.269 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.69%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.373	85	60	N.D.	
3) Chloromethane	1.694	50	60	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.119	94	58	N.D.	
6) Chloroethane	0.000		0	N.D. d	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	2.782	76	1124	N.D.	
15) Methylene chloride	0.000		0	N.D.	
17) Acetone	3.327	43	1519	1.210 ug/L #	76
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	3.946	63	61	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	4.148	43	46	N.D.	
30) cis-1,2-Dichloroethene	4.591	96	47	N.D.	
31) 2,2-Dichloropropane	4.714	77	236	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	0.000		0	N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A25.D
Acq On : 19 Jun 2025 7:47 pm
Operator : ELAINE:mjv
Sample : L2536247-16,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 21 09:02:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	5.066	43	52		N.D.	
43) 1,1-Dichloropropene	5.079	75	120		N.D.	
45) Benzene	5.386	78	43		N.D.	
48) 1,2-Dichloroethane	5.434	62	55		N.D.	
52) Trichloroethene	5.850	95	129		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.484	92	395		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	9.330	112	46		N.D.	
79) Ethylbenzene	9.239	91	157		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	9.963	173	41		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	10.940	91	61		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.077	105	40		N.D.	
94) 2-Chlorotoluene	11.107	91	204		N.D.	
95) 1,3,5-Trimethylbenzene	11.077	105	40		N.D.	
96) 1,2,3-Trichloropropane	11.301	75	88		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	11.297	91	49		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A25.D
Acq On : 19 Jun 2025 7:47 pm
Operator : ELAINE:mjv
Sample : L2536247-16,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 21 09:02:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	11.795	146	41		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	12.301	91	41		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	13.094	119	43		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	14.169	128	95		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

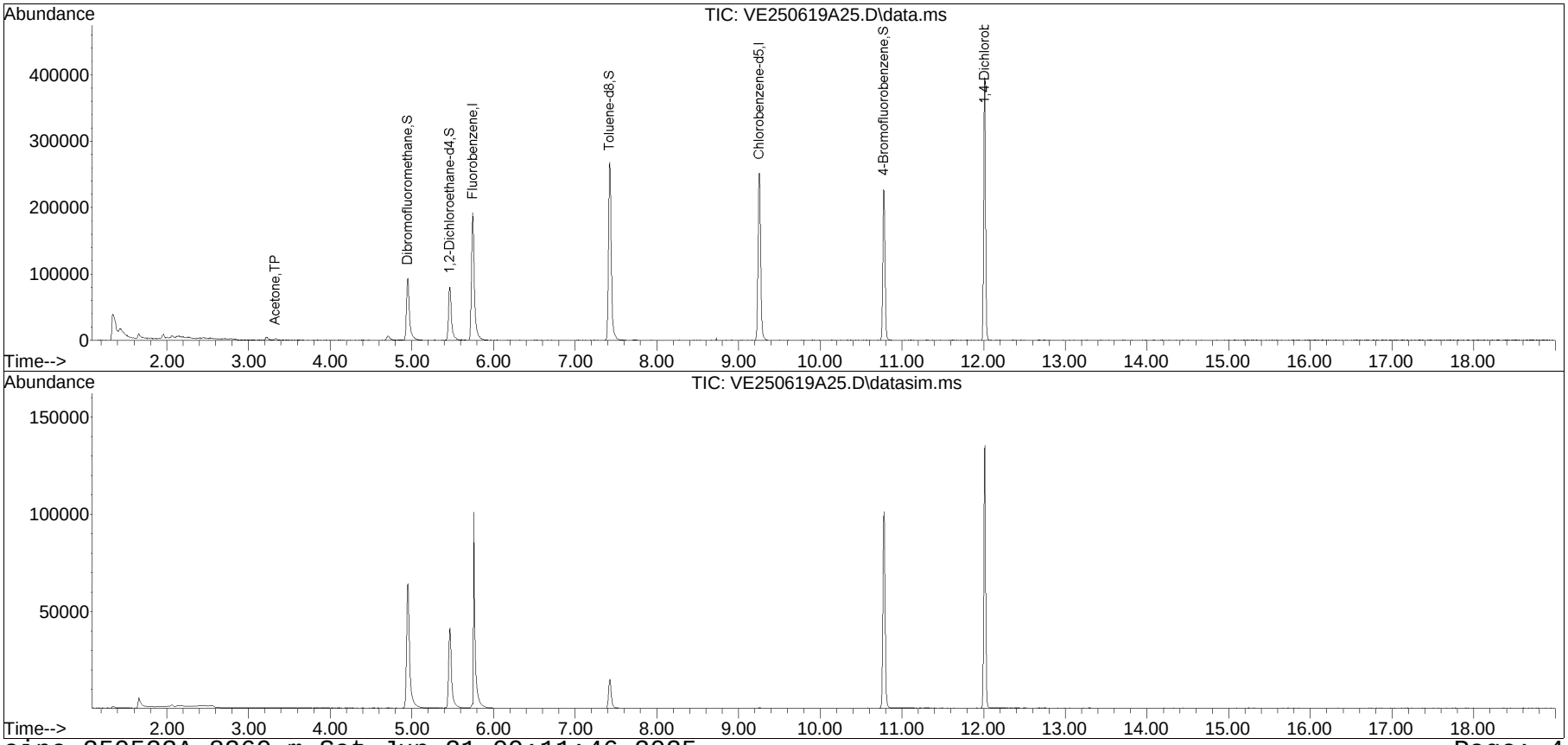
(#) = qualifier out of range (m) = manual integration (+) = signals summed

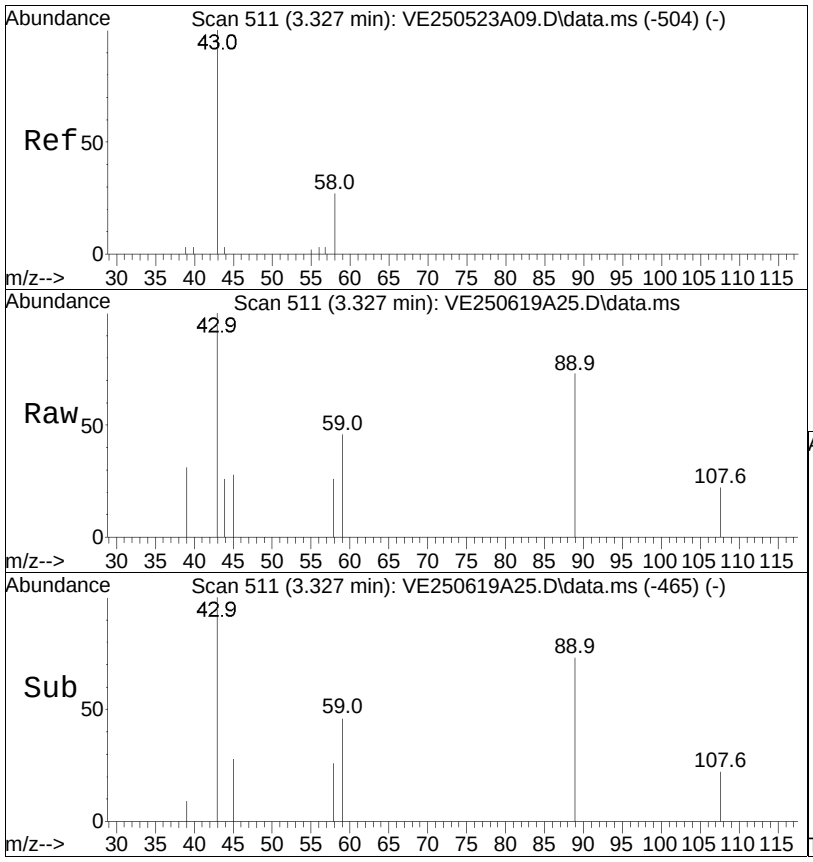
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A25.D
Acq On : 19 Jun 2025 7:47 pm
Operator : ELAINE:mjv
Sample : L2536247-16,31,10,10,,A
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 21 09:02:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

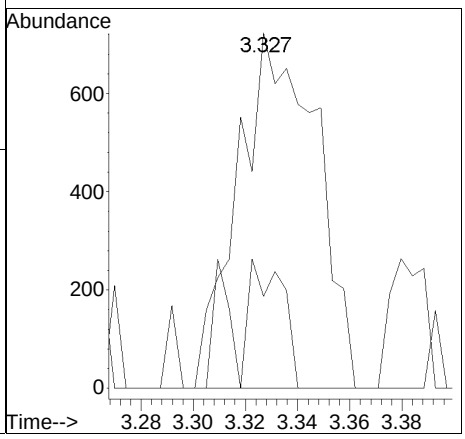




#17
Acetone
Concen: 1.21 ug/L
RT: 3.327 min Scan# 511
Delta R.T. -0.000 min
Lab File: VE250619A25.D
Acq: 19 Jun 2025 7:47 pm

Tgt Ion: 43 Resp: 1519

Ion	Ratio	Lower	Upper
43	100		
58	15.4	22.4	33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A25.D	Operator	: ELAINE:mjv
Date Inj'd	: 6/19/2025 7:47 pm	Instrument	: Elaine
Sample	: L2536247-16,31,10,10,,A	Quant Date	: 6/21/2025 8:14 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N07.D
Acq On : 19 Jun 2025 10:44 pm
Operator : VOA101:MJV
Sample : l2536247-12,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 22 12:10:36 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.828	96	217313	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 95.40%			
59) Chlorobenzene-d5	9.339	117	162785	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 93.59%			
79) 1,4-Dichlorobenzene-d4	12.081	152	82000	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 85.73%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.034	113	56750	9.679	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.79%			
43) 1,2-Dichloroethane-d4	5.550	65	62835	10.672	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.72%			
60) Toluene-d8	7.504	98	210429	10.361	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.61%			
83) 4-Bromofluorobenzene	10.854	95	72858	10.266	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.131	94	728	0.145	ug/L	81
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.867	76	770	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.441	43	1375M3	1.511	ug/L	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	4.799	77	31	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.864	83	2834M3	0.286	ug/L	

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N07.D
Acq On : 19 Jun 2025 10:44 pm
Operator : VOA101:MJV
Sample : l2536247-12,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 22 12:10:36 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	5.036	75	27		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.918	95	62		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.348	91	30		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	11.208	105	26		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	11.208	105	26		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N07.D
Acq On : 19 Jun 2025 10:44 pm
Operator : VOA101:MJV
Sample : l2536247-12,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 22 12:10:36 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.693	105	29		N.D.	
98) sec-Butylbenzene	11.791	105	27		N.D.	
99) p-Isopropyltoluene	11.936	119	31		N.D.	
100) 1,3-Dichlorobenzene	12.030	146	33		N.D.	
101) 1,4-Dichlorobenzene	12.089	146	128		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	13.126	119	62		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	13.921	225	123		N.D.	
109) 1,2,4-Trichlorobenzene	13.982	180	26		N.D.	
110) Naphthalene	14.267	128	190		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

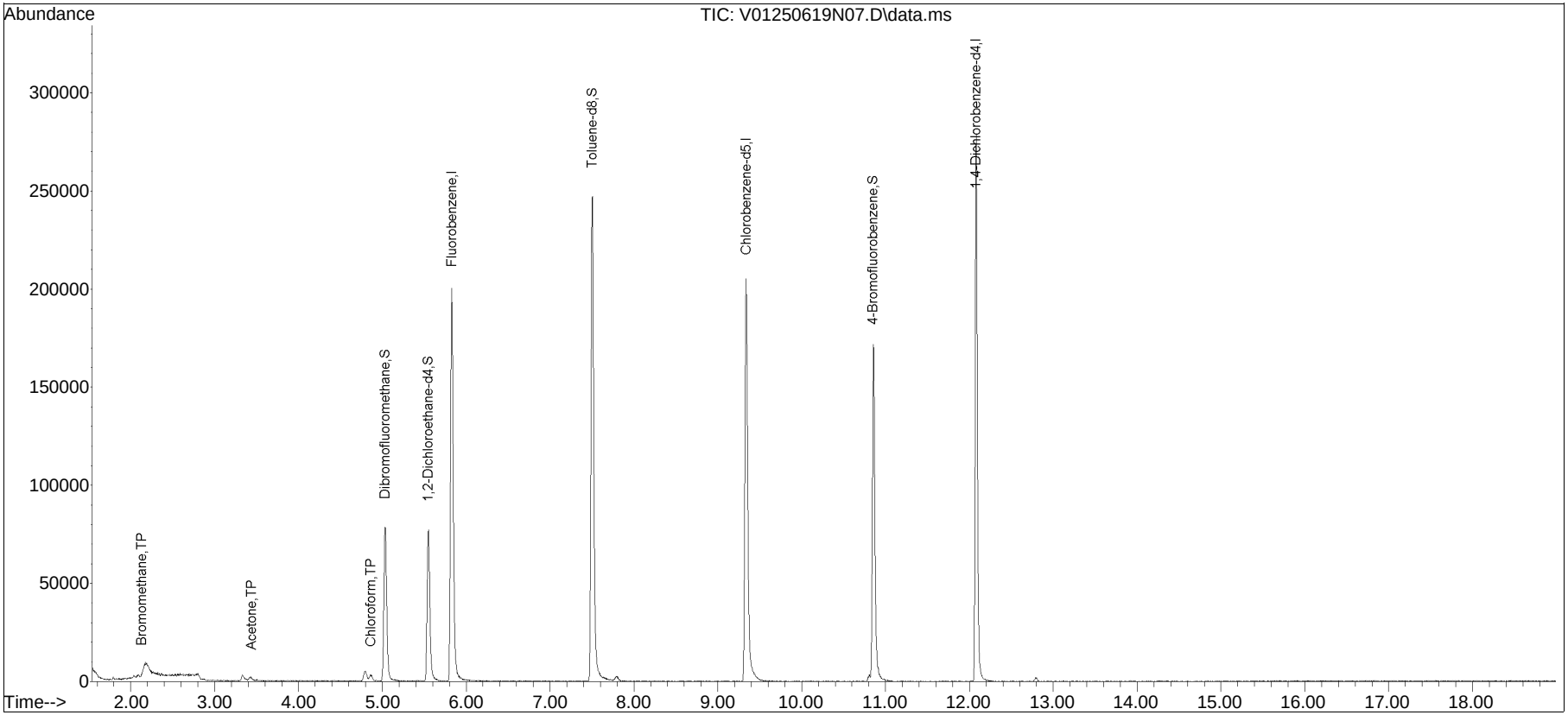
(#) = qualifier out of range (m) = manual integration (+) = signals summed

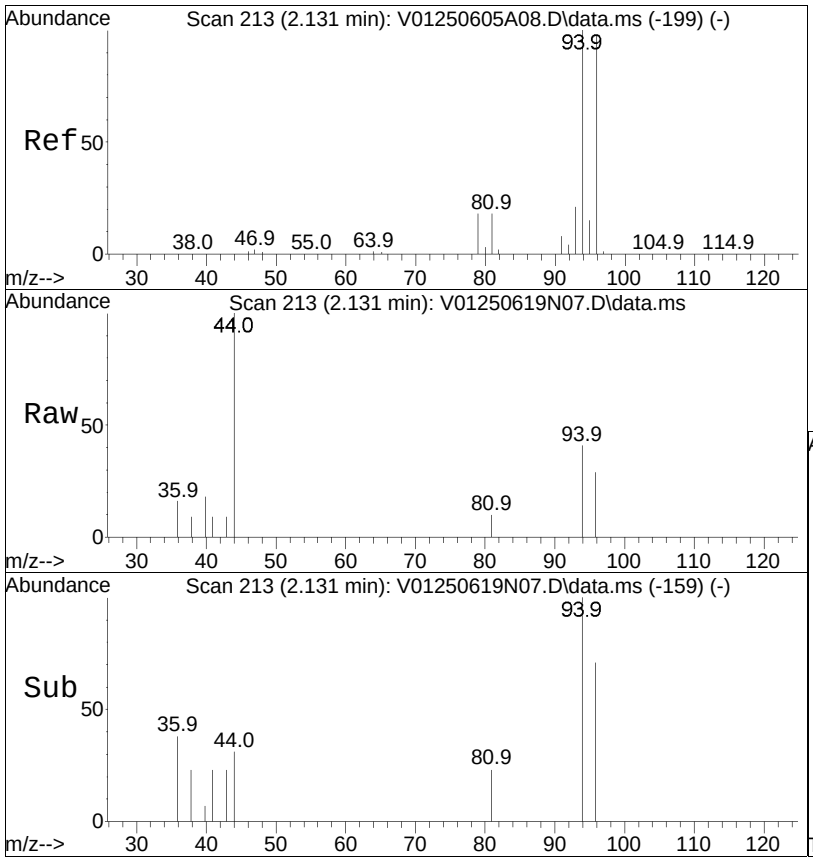
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N07.D
Acq On : 19 Jun 2025 10:44 pm
Operator : VOA101:MJV
Sample : l2536247-12,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 22 12:10:36 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

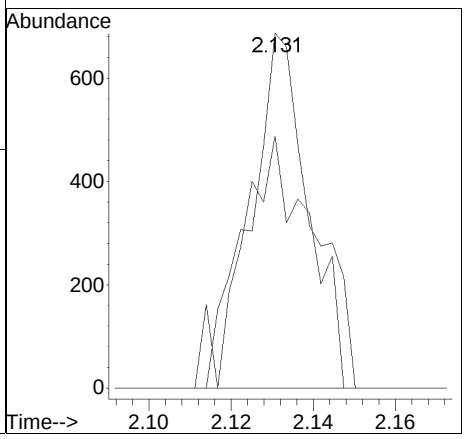


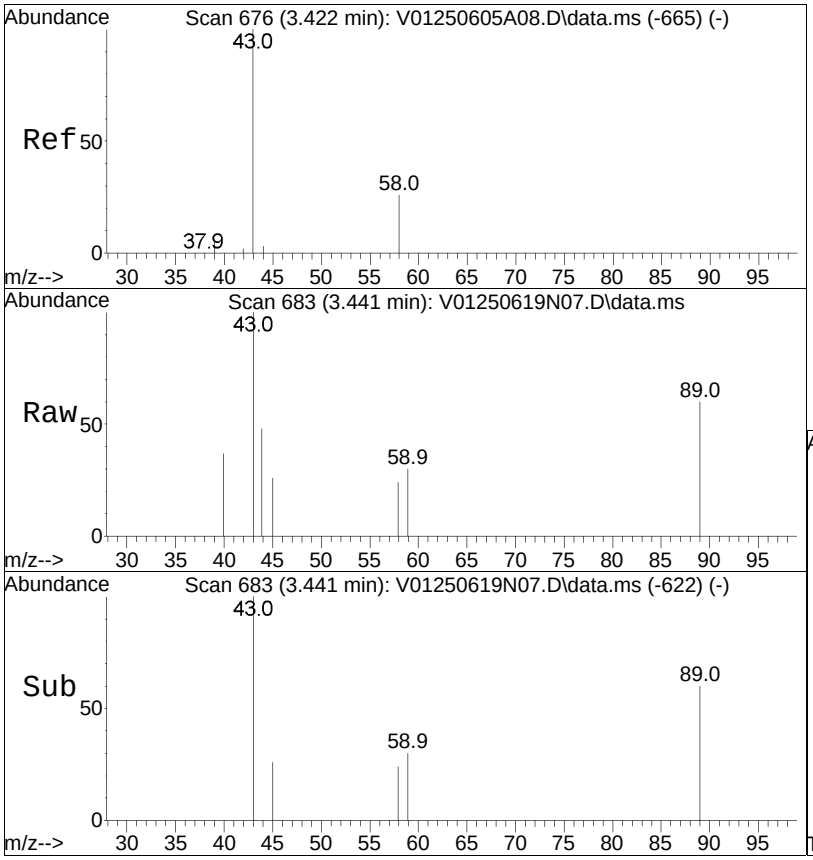


#5
Bromomethane
Concen: 0.14 ug/L
RT: 2.131 min Scan# 213
Delta R.T. -0.000 min
Lab File: V01250619N07.D
Acq: 19 Jun 2025 10:44 pm

Tgt Ion: 94 Resp: 728

Ion	Ratio	Lower	Upper
94	100		
96	77.1	76.1	116.1

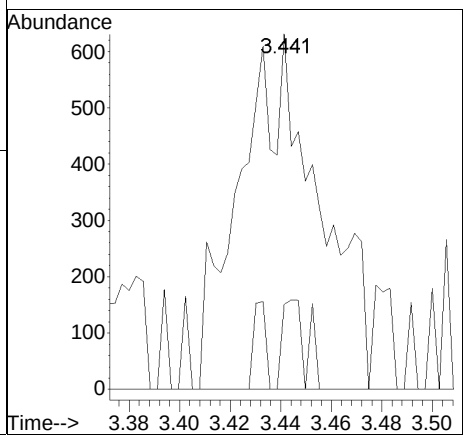


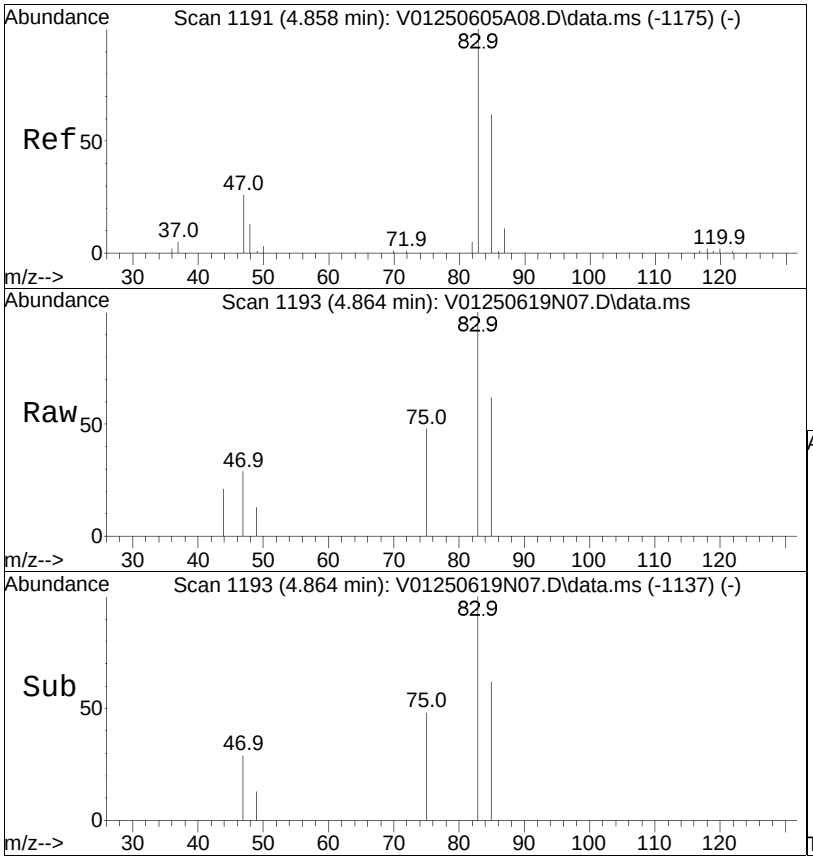


#17
Acetone
Concen: 1.51 ug/L M3
RT: 3.441 min Scan# 683
Delta R.T. 0.019 min
Lab File: V01250619N07.D
Acq: 19 Jun 2025 10:44 pm

Tgt Ion: 43 Resp: 1375

Ion	Ratio	Lower	Upper
43	100		
58	3.8	24.0	36.0#

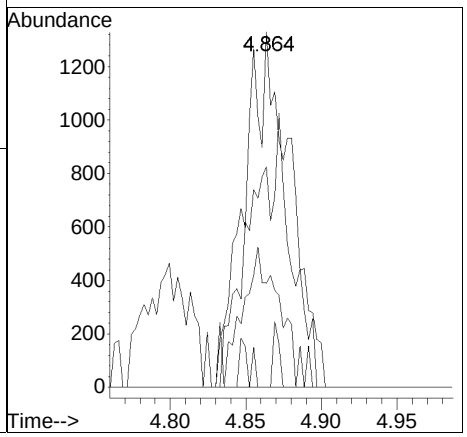




#32
Chloroform
Concen: 0.29 ug/L M3
RT: 4.864 min Scan# 1193
Delta R.T. 0.006 min
Lab File: V01250619N07.D
Acq: 19 Jun 2025 10:44 pm

Tgt Ion: 83 Resp: 2834

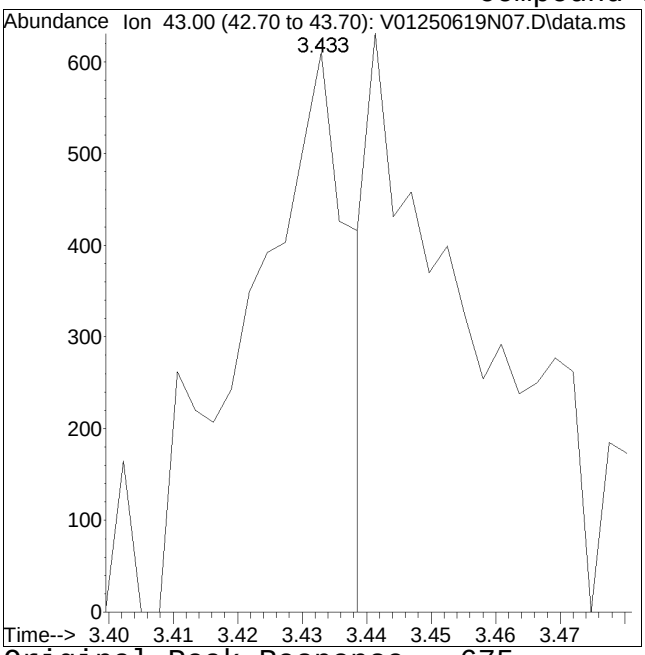
Ion	Ratio	Lower	Upper
83	100		
85	37.8	42.8	88.8#
47	31.9	16.5	34.3
48	2.9	9.2	19.0#

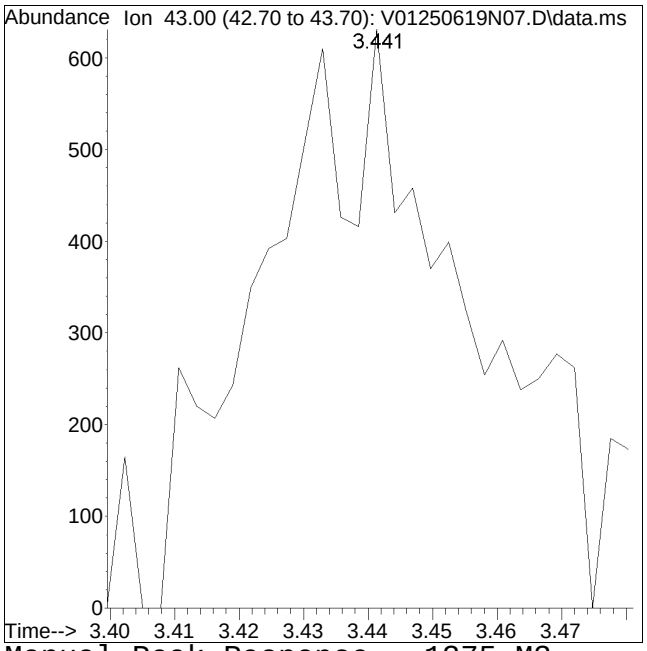


Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N07.D	Operator	: VOA101:MJV
Date Inj'd	: 6/19/2025 10:44 pm	Instrument	: VOA 101
Sample	: l2536247-12,31,10,10,,a	Quant Date	: 6/22/2025 11:44 am

Compound #17: Acetone





Original Peak Response = 675 Manual Peak Response = 1375 M3

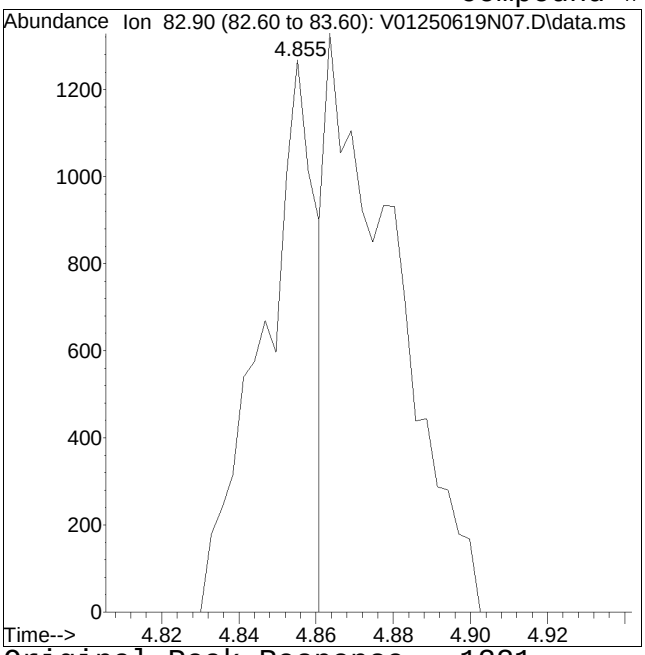
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

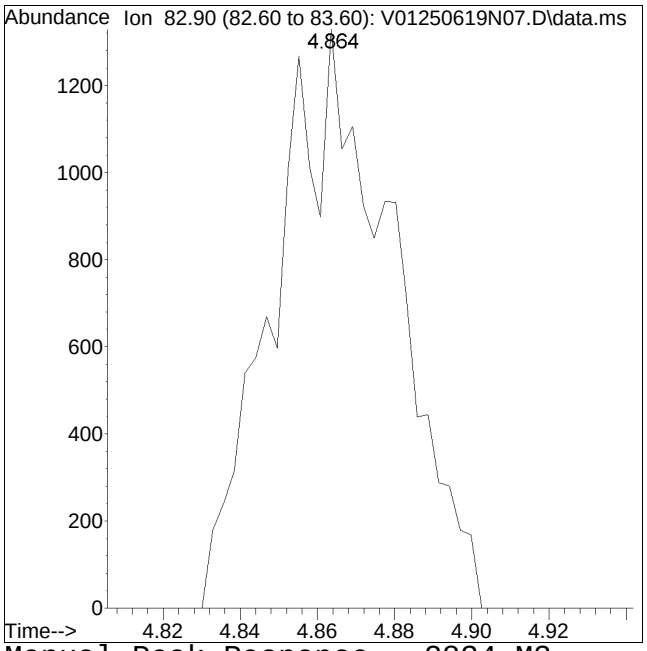
Manual Integration Report

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N07.D
Date Inj'd : 6/19/2025 10:44 pm
Sample : l2536247-12,31,10,10,,a

QMethod : V101_250605A_8260.m
Operator : VOA101:MJV
Instrument : VOA 101
Quant Date : 6/22/2025 11:44 am

Compound #32: Chloroform





Original Peak Response = 1221 Manual Peak Response = 2834 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N08.D
Acq On : 19 Jun 2025 11:10 pm
Operator : VOA101:MJV
Sample : l2536247-17,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 22 12:10:53 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	214924	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 94.35%			
59) Chlorobenzene-d5	9.337	117	159161	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 91.50%			
79) 1,4-Dichlorobenzene-d4	12.081	152	80598	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 84.27%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	56539	9.751	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.51%			
43) 1,2-Dichloroethane-d4	5.547	65	61415	10.547	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.47%			
60) Toluene-d8	7.502	98	205618	10.355	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.55%			
83) 4-Bromofluorobenzene	10.857	95	70817	10.152	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.52%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.136	94	546	0.110	ug/L	93
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.867	76	622	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N08.D
Acq On : 19 Jun 2025 11:10 pm
Operator : VOA101:MJV
Sample : l2536247-17,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 22 12:10:53 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.915	95	60		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.348	91	162		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N08.D
Acq On : 19 Jun 2025 11:10 pm
Operator : VOA101:MJV
Sample : l2536247-17,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 22 12:10:53 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.097	146	67		N.D.	
101) 1,4-Dichlorobenzene	12.097	146	67		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	13.918	225	29		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	14.281	128	30		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

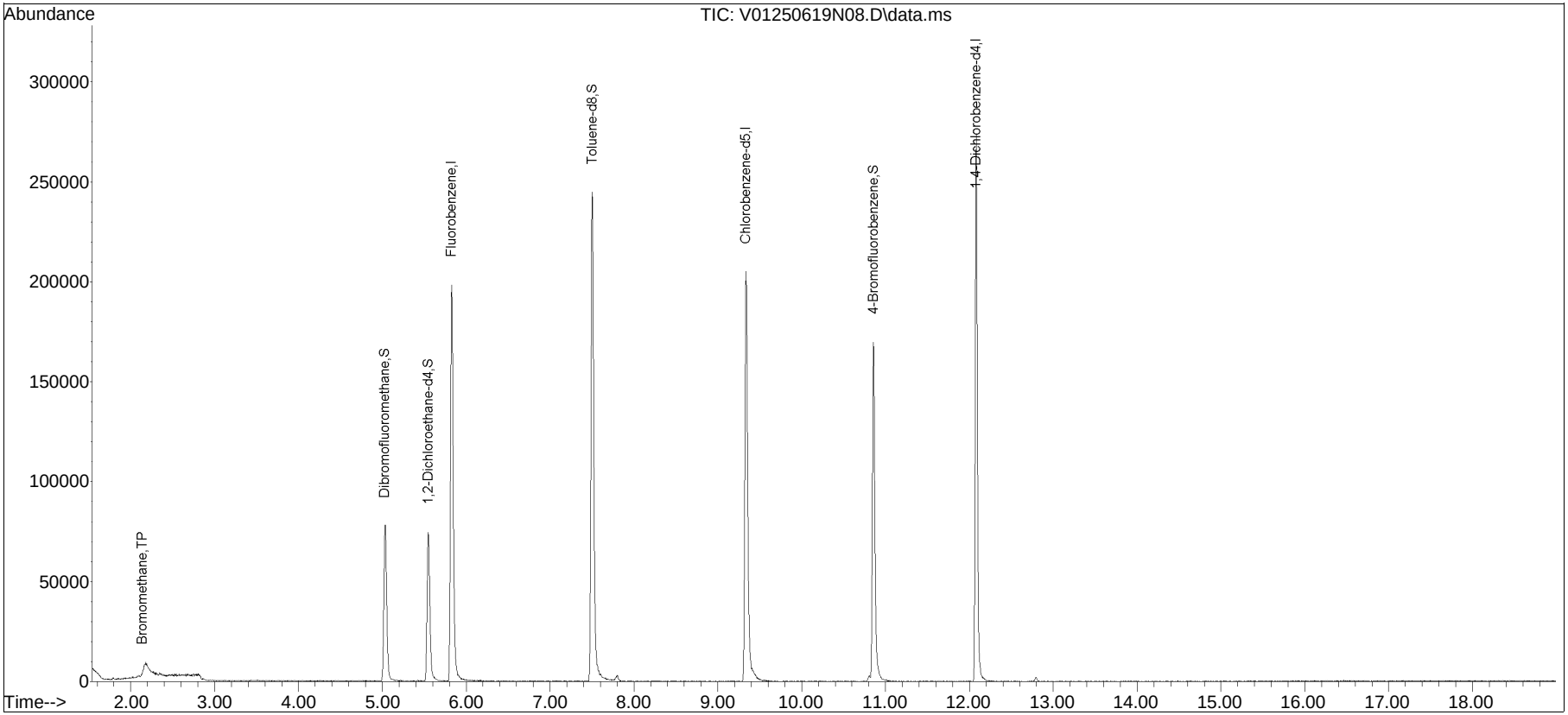
(#) = qualifier out of range (m) = manual integration (+) = signals summed

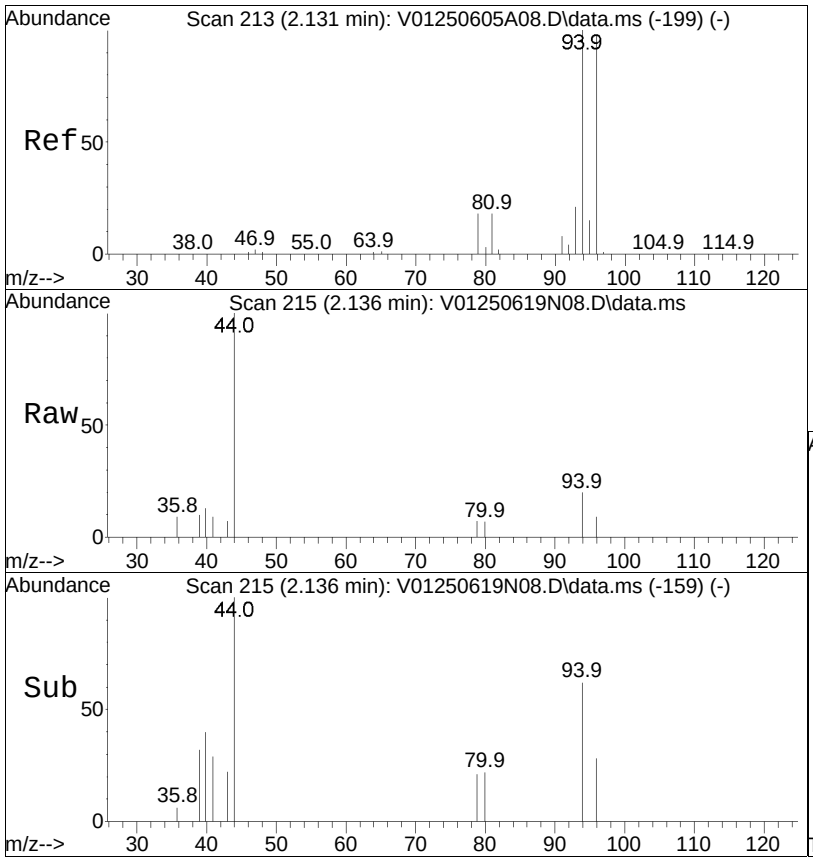
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N08.D
Acq On : 19 Jun 2025 11:10 pm
Operator : VOA101:MJV
Sample : l2536247-17,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 22 12:10:53 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

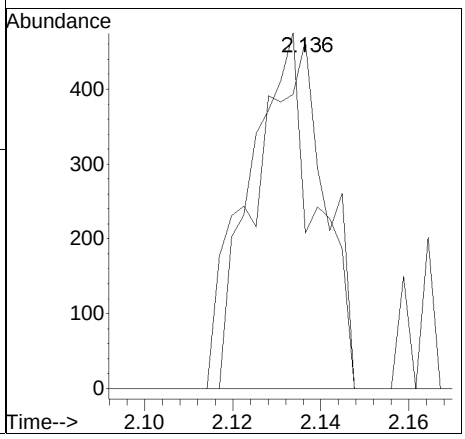




#5
Bromomethane
Concen: 0.11 ug/L
RT: 2.136 min Scan# 215
Delta R.T. 0.005 min
Lab File: V01250619N08.D
Acq: 19 Jun 2025 11:10 pm

Tgt Ion: 94 Resp: 546

Ion	Ratio	Lower	Upper
94	100		
96	88.8	76.1	116.1



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N08.D	Operator	: VOA101:MJV
Date Inj'd	: 6/19/2025 11:10 pm	Instrument	: VOA 101
Sample	: l2536247-17,31,10,10,,a	Quant Date	: 6/22/2025 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N09.D
Acq On : 19 Jun 2025 11:36 pm
Operator : VOA101:MJV
Sample : l2536247-18,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 22 11:44:19 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	212055	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 93.09%			
59) Chlorobenzene-d5	9.340	117	159227	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 91.54%			
79) 1,4-Dichlorobenzene-d4	12.084	152	80546	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 84.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	56047	9.796	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.96%			
43) 1,2-Dichloroethane-d4	5.547	65	60553	10.539	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.39%			
60) Toluene-d8	7.505	98	208038	10.472	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.72%			
83) 4-Bromofluorobenzene	10.857	95	71243	10.220	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.131	94	655	0.133	ug/L #	65
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.873	76	370	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.411	43	27	N.D.		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N09.D
Acq On : 19 Jun 2025 11:36 pm
Operator : VOA101:MJV
Sample : l2536247-18,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 22 11:44:19 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.926	95	58		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.572	92	25		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.340	91	26		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	11.200	91	29		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N09.D
Acq On : 19 Jun 2025 11:36 pm
Operator : VOA101:MJV
Sample : l2536247-18,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 22 11:44:19 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
98) sec-Butylbenzene	0.000		0		N.D.	
99) p-Isopropyltoluene	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	12.100	146	27		N.D.	
101) 1,4-Dichlorobenzene	12.100	146	27		N.D.	
102) p-Diethylbenzene	0.000		0		N.D.	
103) n-Butylbenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
105) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108) Hexachlorobutadiene	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
110) Naphthalene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

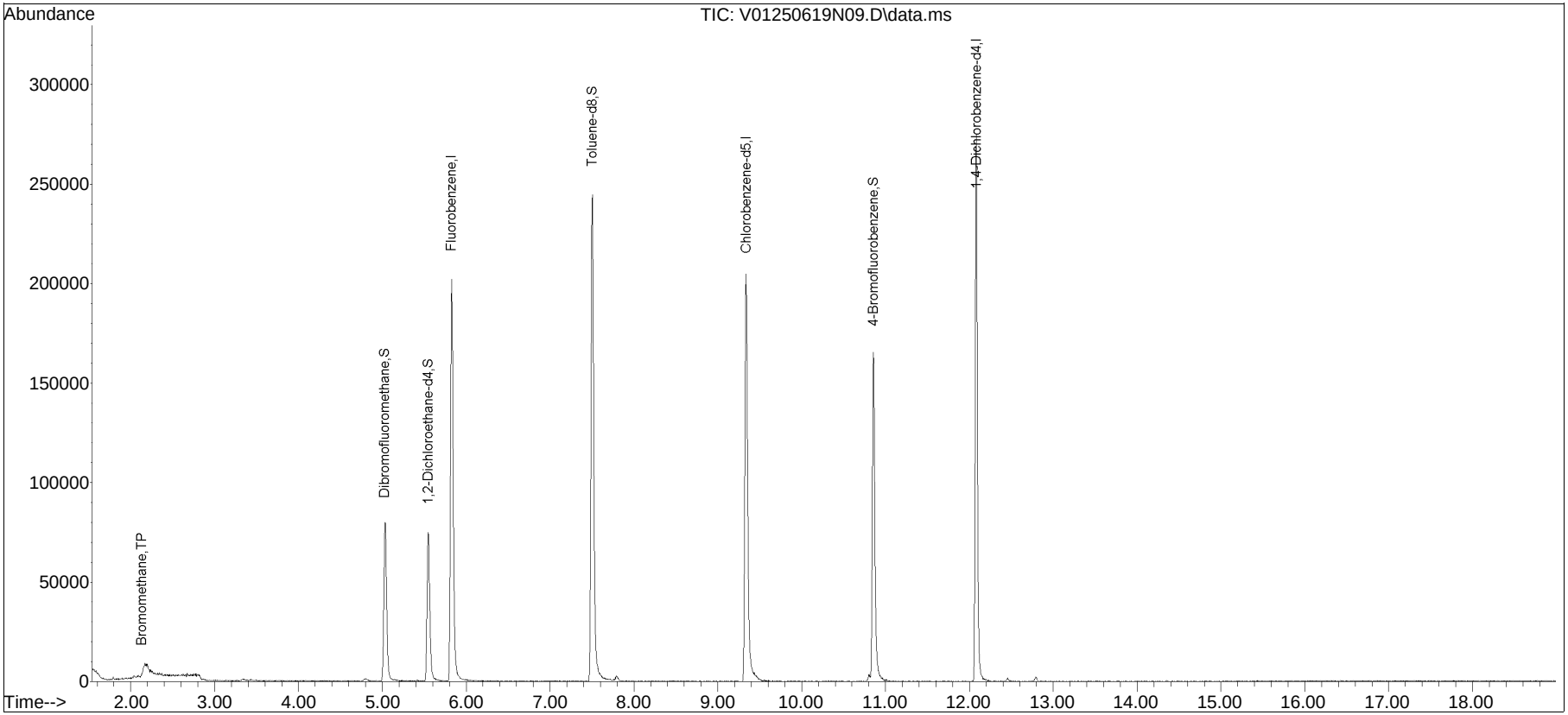
(#) = qualifier out of range (m) = manual integration (+) = signals summed

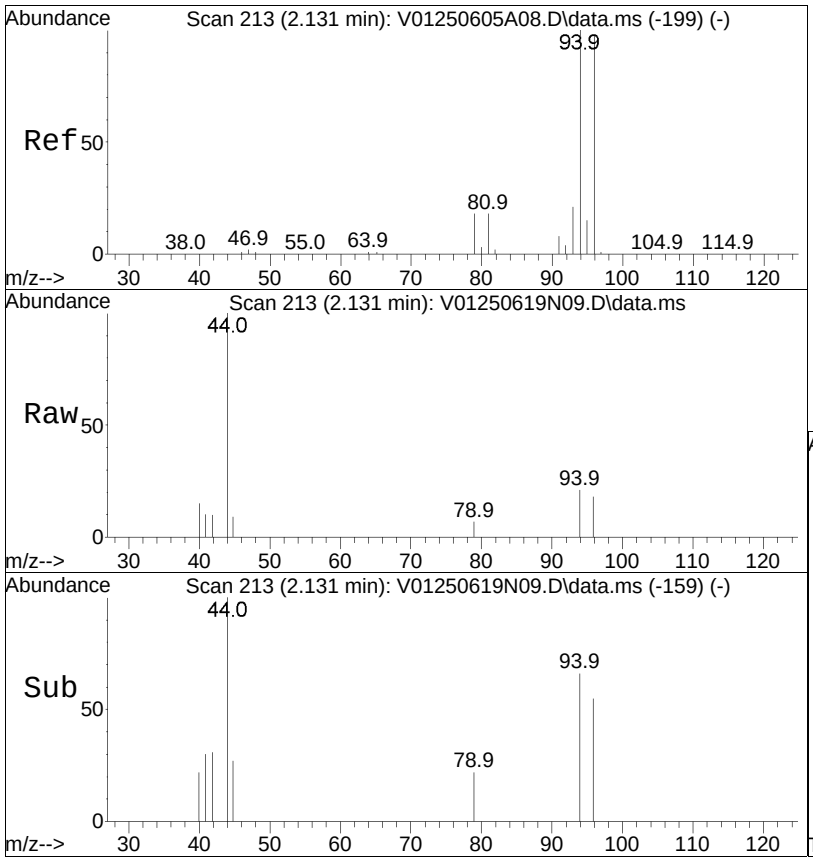
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N09.D
Acq On : 19 Jun 2025 11:36 pm
Operator : VOA101:MJV
Sample : l2536247-18,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 22 11:44:19 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

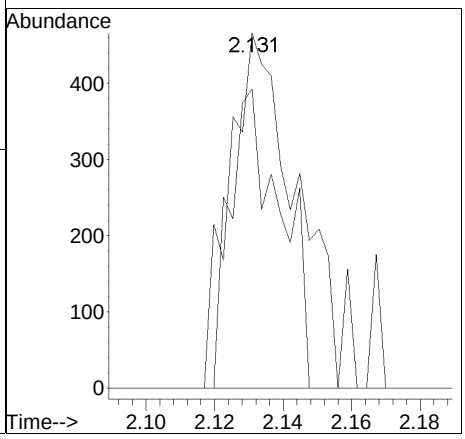




#5
Bromomethane
Concen: 0.13 ug/L
RT: 2.131 min Scan# 213
Delta R.T. -0.000 min
Lab File: V01250619N09.D
Acq: 19 Jun 2025 11:36 pm

Tgt Ion: 94 Resp: 655

Ion	Ratio	Lower	Upper
94	100		
96	62.3	76.1	116.1#



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N09.D	Operator	: VOA101:MJV
Date Inj'd	: 6/19/2025 11:36 pm	Instrument	: VOA 101
Sample	: l2536247-18,31,10,10,,a	Quant Date	: 6/22/2025 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N10.D
Acq On : 20 Jun 2025 12:03 am
Operator : VOA101:MJV
Sample : l2536247-19,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 22 12:12:13 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	214512	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 94.17%			
59) Chlorobenzene-d5	9.339	117	159756	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 91.84%			
79) 1,4-Dichlorobenzene-d4	12.083	152	80814	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 84.49%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.034	113	56446	9.753	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.53%			
43) 1,2-Dichloroethane-d4	5.550	65	60676	10.440	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.40%			
60) Toluene-d8	7.502	98	209381	10.505	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.05%			
83) 4-Bromofluorobenzene	10.854	95	70932	10.141	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.41%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.139	94	620	0.125	ug/L	87
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.867	76	571	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.480	43	104	0.116	ug/L	91
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N10.D
Acq On : 20 Jun 2025 12:03 am
Operator : VOA101:MJV
Sample : l2536247-19,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 22 12:12:13 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.339	91	116		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N10.D
Acq On : 20 Jun 2025 12:03 am
Operator : VOA101:MJV
Sample : l2536247-19,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 22 12:12:13 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	0.000		0		N.D.	
101)	1,4-Dichlorobenzene	0.000		0		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

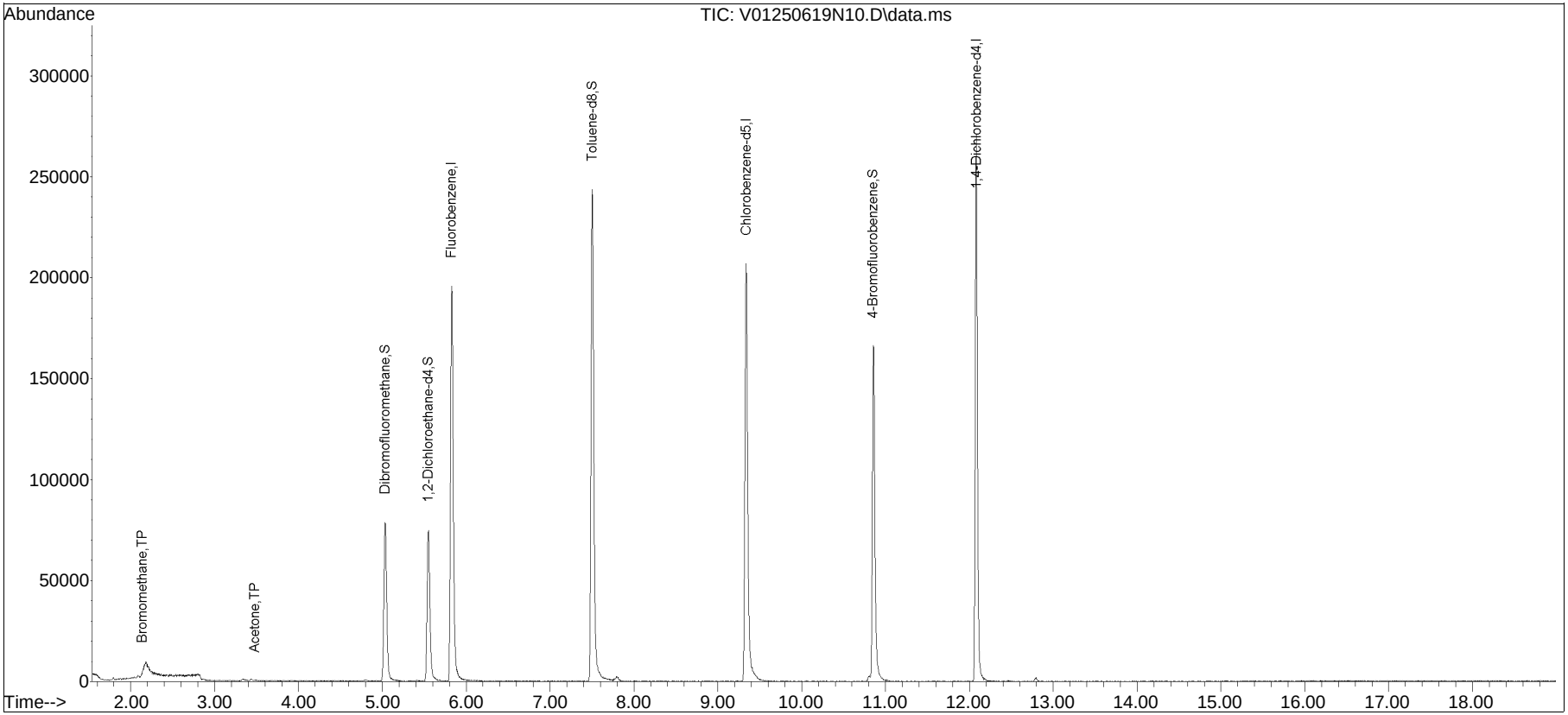
(#) = qualifier out of range (m) = manual integration (+) = signals summed

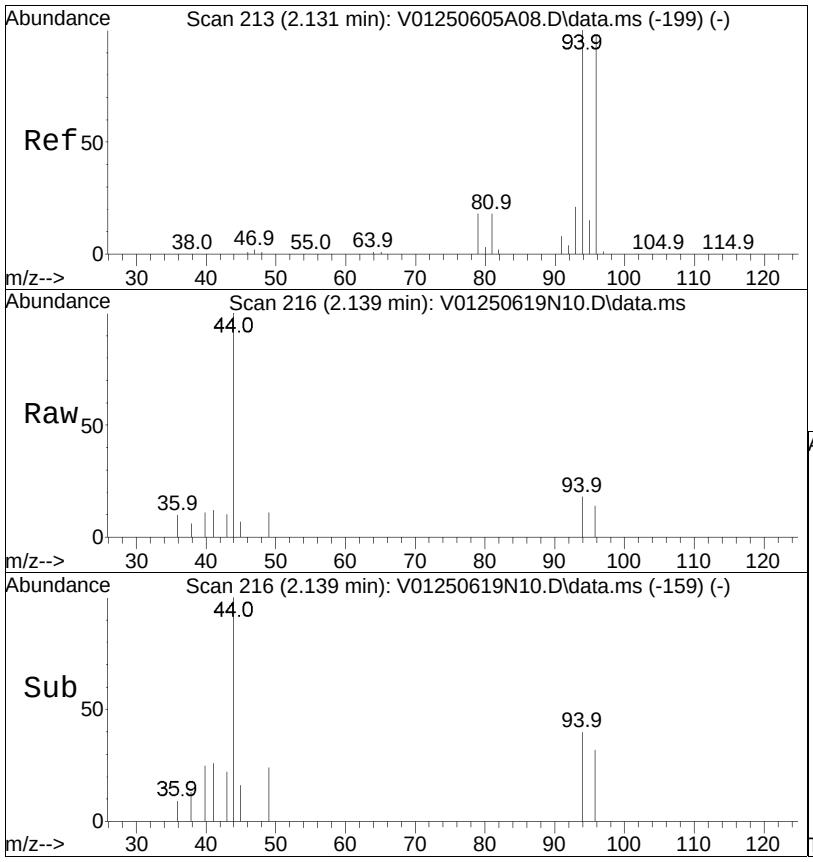
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N10.D
Acq On : 20 Jun 2025 12:03 am
Operator : VOA101:MJV
Sample : l2536247-19,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 22 12:12:13 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

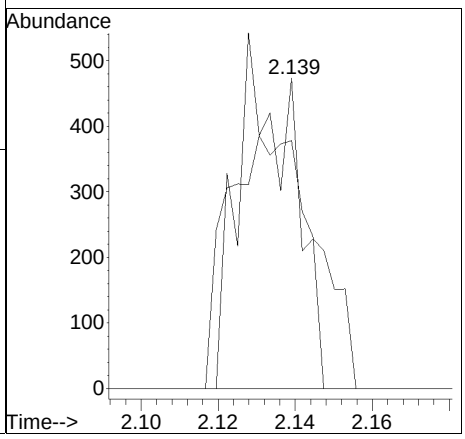


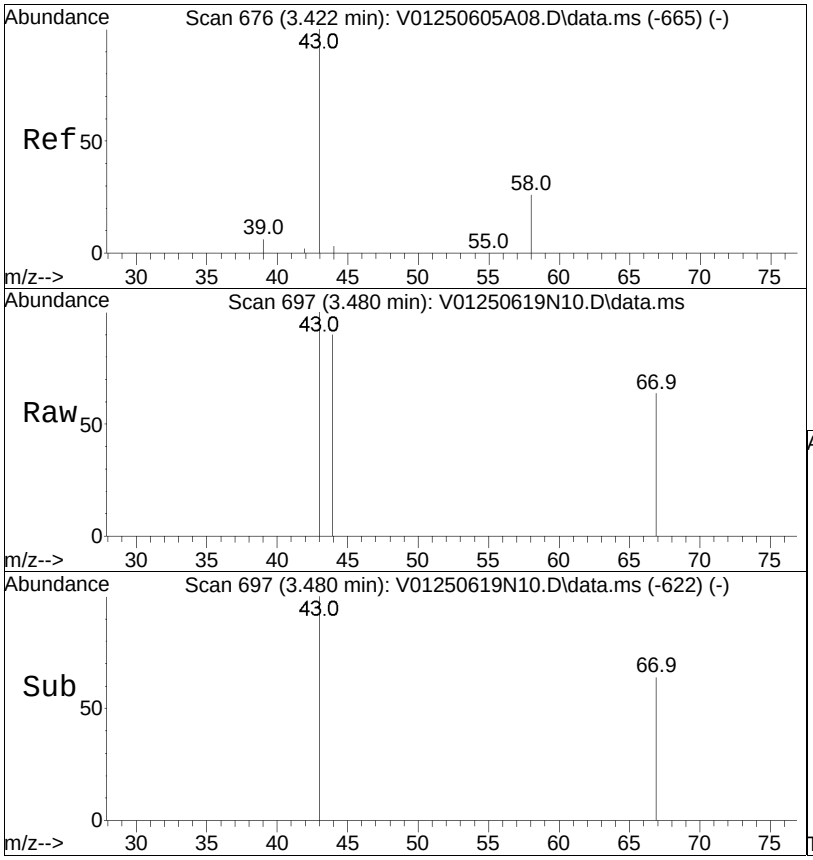


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.139 min Scan# 216
Delta R.T. 0.008 min
Lab File: V01250619N10.D
Acq: 20 Jun 2025 12:03 am

Tgt Ion: 94 Resp: 620

Ion	Ratio	Lower	Upper
94	100		
96	83.2	76.1	116.1

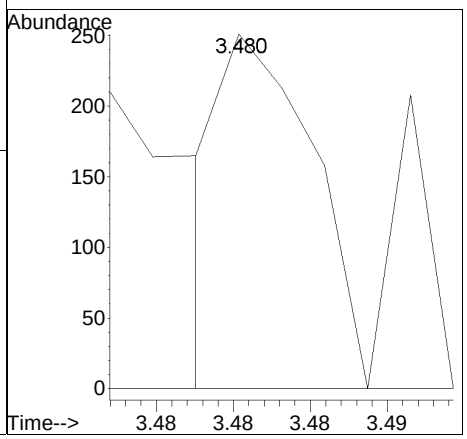




#17
Acetone
Concen: 0.12 ug/L
RT: 3.480 min Scan# 697
Delta R.T. 0.058 min
Lab File: V01250619N10.D
Acq: 20 Jun 2025 12:03 am

Tgt Ion: 43 Resp: 104

Ion	Ratio	Lower	Upper
43	100		
58	25.0	24.0	36.0



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N10.D	Operator	: VOA101:MJV
Date Inj'd	: 6/20/2025 12:03 am	Instrument	: VOA 101
Sample	: l2536247-19,31,10,10,,a	Quant Date	: 6/22/2025 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N11.D
Acq On : 20 Jun 2025 12:29 am
Operator : VOA101:MJV
Sample : l2536247-20,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 22 12:12:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.829	96	212343	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 93.22%			
59) Chlorobenzene-d5	9.339	117	156701	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 90.09%			
79) 1,4-Dichlorobenzene-d4	12.083	152	78160	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 81.72%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	56968	9.944	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.44%			
43) 1,2-Dichloroethane-d4	5.547	65	59700	10.377	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.77%			
60) Toluene-d8	7.502	98	203872	10.428	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.28%			
83) 4-Bromofluorobenzene	10.859	95	69382	10.257	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.134	94	514	0.105	ug/L	87
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.870	76	800	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N11.D
Acq On : 20 Jun 2025 12:29 am
Operator : VOA101:MJV
Sample : l2536247-20,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 22 12:12:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0		N.D.	
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
40) 1,1-Dichloropropene	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
48) Trichloroethene	5.948	95	62		N.D.	
50) Dibromomethane	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
70) 1,3-Dichloropropane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	9.337	91	27		N.D.	
75) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
84) Bromobenzene	0.000		0		N.D.	
85) n-Propylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
88) 4-Ethyltoluene	0.000		0		N.D.	
89) 2-Chlorotoluene	0.000		0		N.D.	
90) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
91) 1,2,3-Trichloropropane	0.000		0		N.D.	
92) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
93) 4-Chlorotoluene	0.000		0		N.D.	
94) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N11.D
Acq On : 20 Jun 2025 12:29 am
Operator : VOA101:MJV
Sample : l2536247-20,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 22 12:12:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	0.000		0		N.D.	
98)	sec-Butylbenzene	0.000		0		N.D.	
99)	p-Isopropyltoluene	0.000		0		N.D.	
100)	1,3-Dichlorobenzene	12.095	146	34		N.D.	
101)	1,4-Dichlorobenzene	12.095	146	34		N.D.	
102)	p-Diethylbenzene	0.000		0		N.D.	
103)	n-Butylbenzene	0.000		0		N.D.	
104)	1,2-Dichlorobenzene	0.000		0		N.D.	
105)	1,2,4,5-Tetramethylben...	0.000		0		N.D.	
106)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
108)	Hexachlorobutadiene	0.000		0		N.D.	
109)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
110)	Naphthalene	0.000		0		N.D.	
111)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

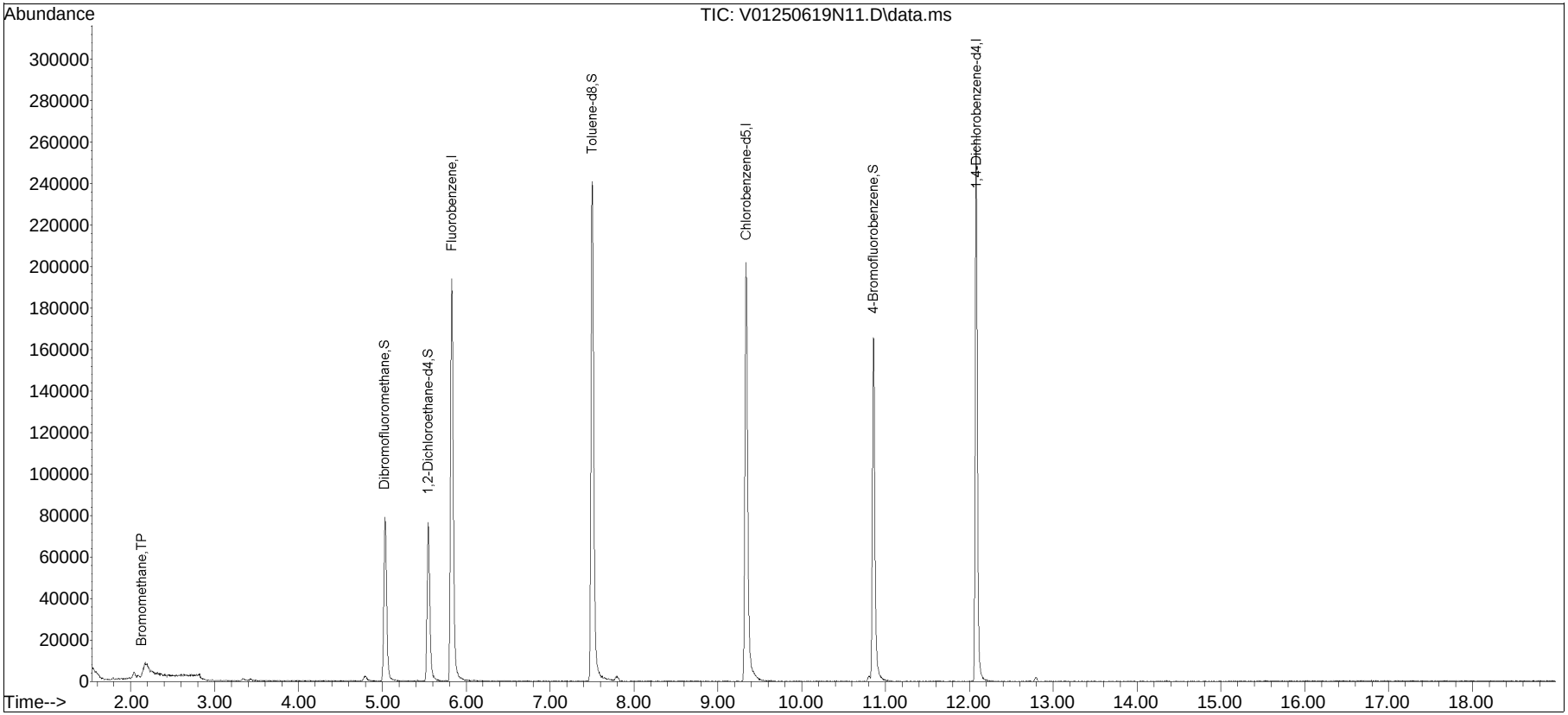
(#) = qualifier out of range (m) = manual integration (+) = signals summed

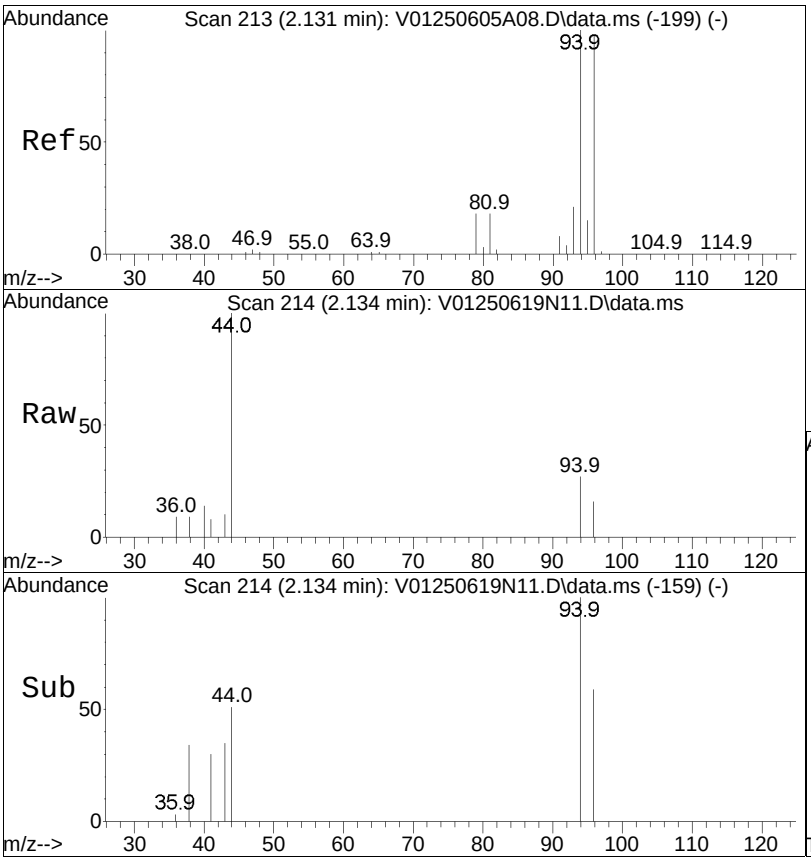
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N11.D
Acq On : 20 Jun 2025 12:29 am
Operator : VOA101:MJV
Sample : l2536247-20,31,10,10,,a
Misc : WG2081999,ICAL22345
ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 22 12:12:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

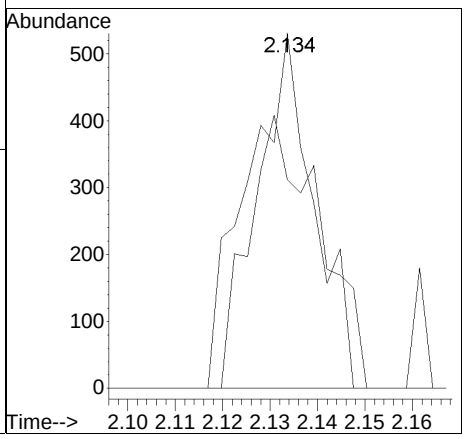




#5
Bromomethane
Concen: 0.10 ug/L
RT: 2.134 min Scan# 214
Delta R.T. 0.003 min
Lab File: V01250619N11.D
Acq: 20 Jun 2025 12:29 am

Tgt Ion: 94 Resp: 514

Ion	Ratio	Lower	Upper
94	100		
96	83.5	76.1	116.1



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N11.D	Operator	: VOA101:MJV
Date Inj'd	: 6/20/2025 12:29 am	Instrument	: VOA 101
Sample	: l2536247-20,31,10,10,,a	Quant Date	: 6/22/2025 11:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B11.D
Acq On : 20 Jun 2025 01:57 pm
Operator : VOA130:PID
Sample : L2536247-01,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 13:48:03 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	262051	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery =	90.61%		
63) Chlorobenzene-d5	9.587	117	234598	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery =	95.76%		
84) 1,4-Dichlorobenzene-d4	12.287	152	149867	10.000	ug/L	# 0.00
Standard Area 1 = 158819			Recovery =	94.36%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	96513	11.821	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	118.21%		
47) 1,2-Dichloroethane-d4	5.755	65	74696	10.453	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.53%		
64) Toluene-d8	7.747	98	292412	9.444	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	94.44%		
88) 4-Bromofluorobenzene	11.080	95	114850	9.553	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.53%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.016	76	597	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B11.D
Acq On : 20 Jun 2025 01:57 pm
Operator : VOA130:PID
Sample : L2536247-01,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 13:48:03 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.594	91	330		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.087	91	247		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B11.D
Acq On : 20 Jun 2025 01:57 pm
Operator : VOA130:PID
Sample : L2536247-01,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 13:48:03 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

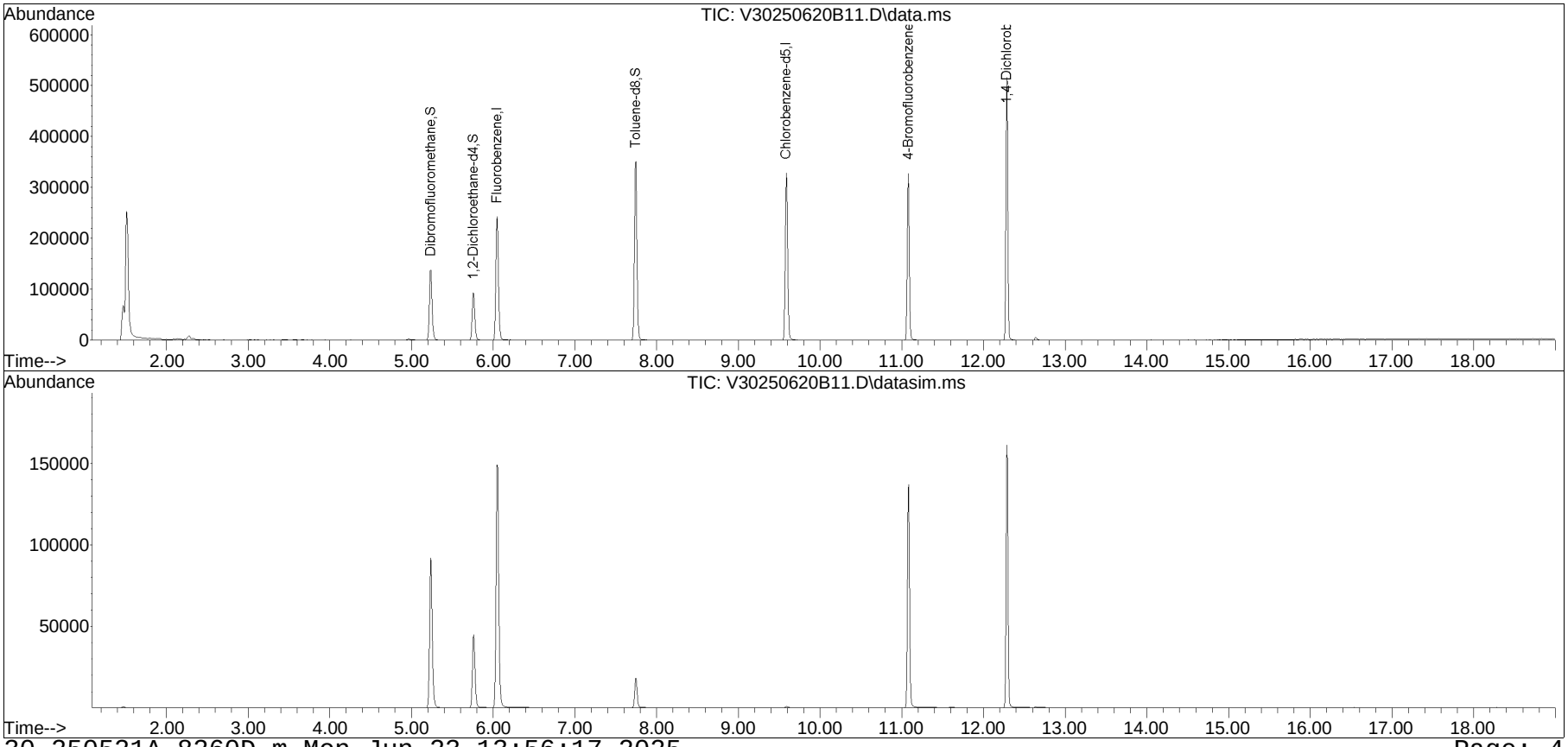
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B11.D
Acq On : 20 Jun 2025 01:57 pm
Operator : VOA130:PID
Sample : L2536247-01,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 13:48:03 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B11.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 1:57 pm	Instrument	: VOA130
Sample	: L2536247-01,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B12.D
Acq On : 20 Jun 2025 02:19 pm
Operator : VOA130:PID
Sample : L2536247-02,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 13:48:08 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	251686	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 87.02%			
63) Chlorobenzene-d5	9.587	117	224307	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 91.56%			
84) 1,4-Dichlorobenzene-d4	12.287	152	142733	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 89.87%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	90436	11.533	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 115.33%			
47) 1,2-Dichloroethane-d4	5.755	65	68178	9.934	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.34%			
64) Toluene-d8	7.747	98	281902	9.523	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.23%			
88) 4-Bromofluorobenzene	11.080	95	109156	9.533	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.33%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.480	85	144	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.016	76	592	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.058	83	5520	0.597	ug/L #	91

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B12.D
Acq On : 20 Jun 2025 02:19 pm
Operator : VOA130:PID
Sample : L2536247-02,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 13:48:08 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.594	91	354		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.066	91	335		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B12.D
Acq On : 20 Jun 2025 02:19 pm
Operator : VOA130:PID
Sample : L2536247-02,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 13:48:08 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

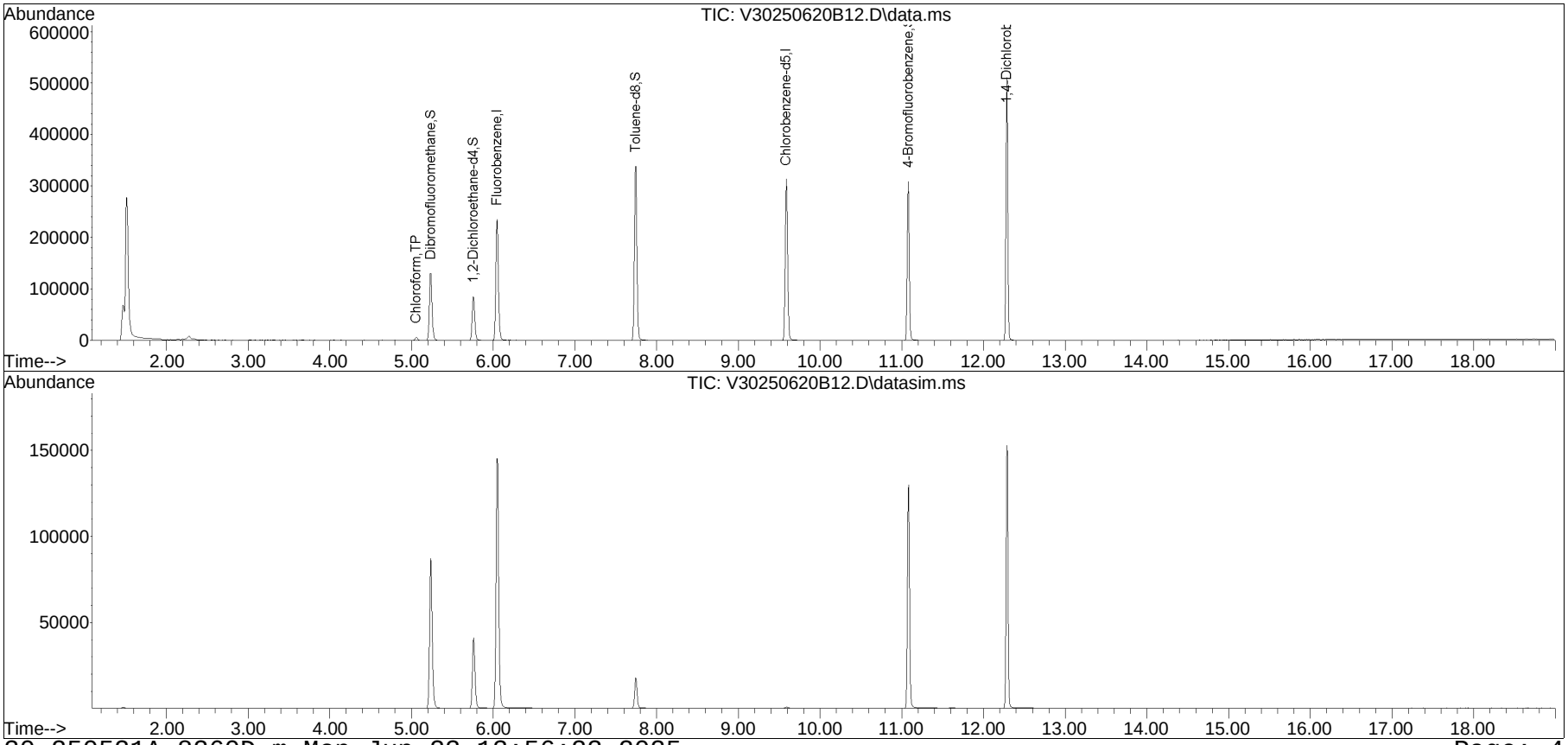
(#) = qualifier out of range (m) = manual integration (+) = signals summed

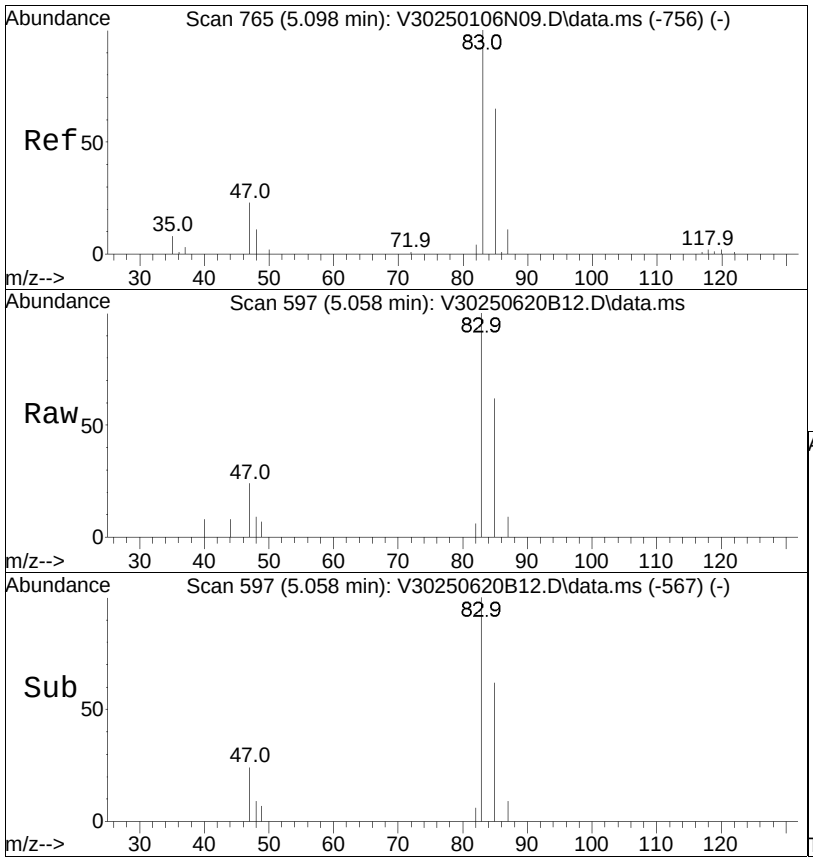
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B12.D
Acq On : 20 Jun 2025 02:19 pm
Operator : VOA130:PID
Sample : L2536247-02,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 13:48:08 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•

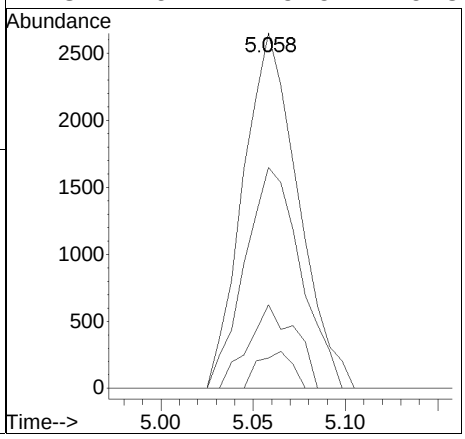




#35
Chloroform
Concen: 0.60 ug/L
RT: 5.058 min Scan# 597
Delta R.T. 0.000 min
Lab File: V30250620B12.D
Acq: 20 Jun 2025 02:19 pm

Tgt Ion: 83 Resp: 5520

Ion	Ratio	Lower	Upper
83	100		
85	63.1	41.4	86.0
47	19.9	20.5	42.5#
48	6.4	9.9	20.5#



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B12.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 2:19 pm	Instrument	: VOA130
Sample	: L2536247-02,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B13.D
Acq On : 20 Jun 2025 02:40 pm
Operator : VOA130:PID
Sample : L2536247-03,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 13:48:15 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	249672	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 86.33%			
63) Chlorobenzene-d5	9.587	117	224784	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 91.75%			
84) 1,4-Dichlorobenzene-d4	12.288	152	142396	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 89.66%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	91318	11.739	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 117.39%			
47) 1,2-Dichloroethane-d4	5.756	65	70071	10.292	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.92%			
64) Toluene-d8	7.747	98	280407	9.452	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.52%			
88) 4-Bromofluorobenzene	11.080	95	109065	9.548	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.48%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.480	85	150	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.017	76	871	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B13.D
Acq On : 20 Jun 2025 02:40 pm
Operator : VOA130:PID
Sample : L2536247-03,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 13:48:15 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.795	92	134		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.581	91	460		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.080	91	270		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B13.D
Acq On : 20 Jun 2025 02:40 pm
Operator : VOA130:PID
Sample : L2536247-03,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 13:48:15 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

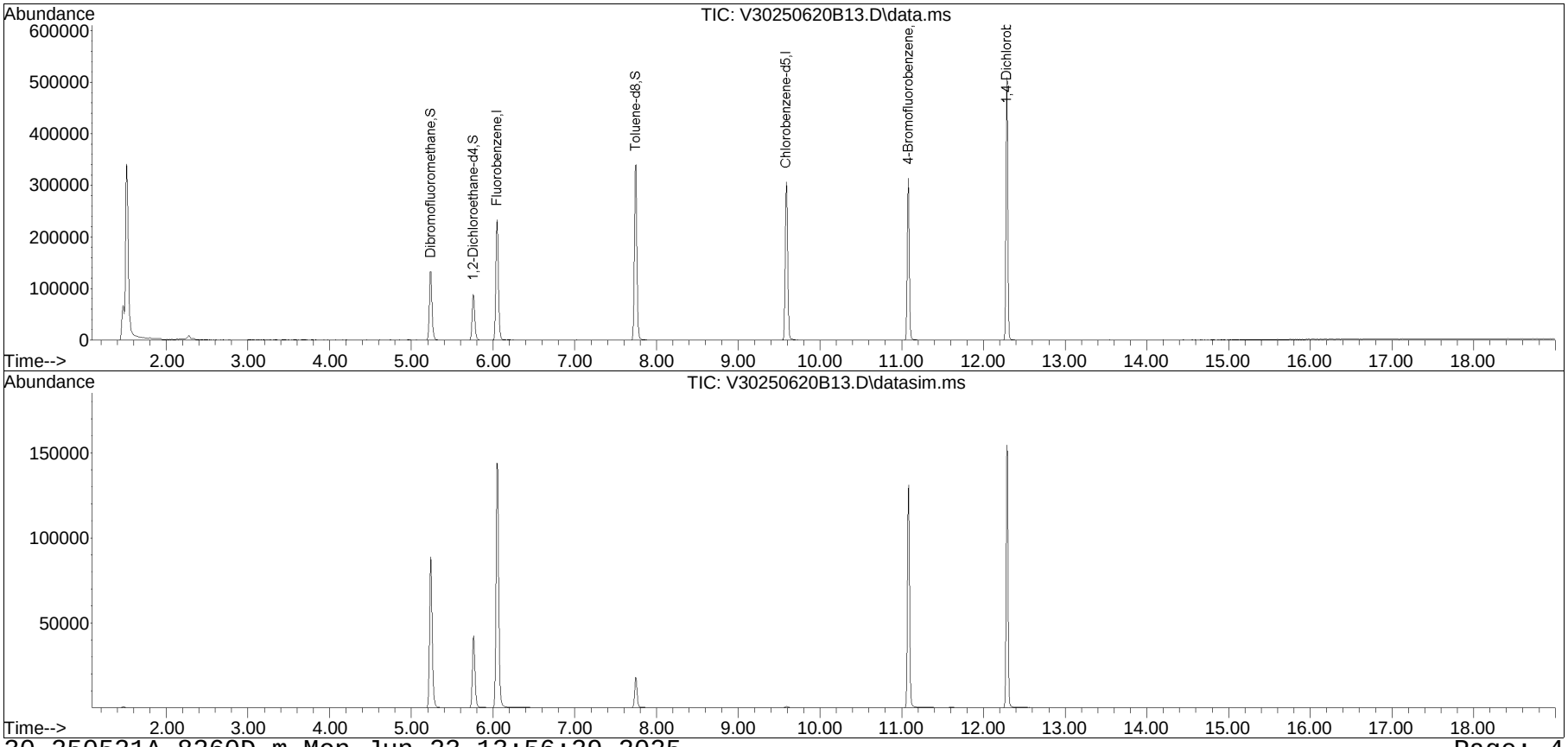
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B13.D
Acq On : 20 Jun 2025 02:40 pm
Operator : VOA130:PID
Sample : L2536247-03,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 13:48:15 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B13.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 2:40 pm	Instrument	: VOA130
Sample	: L2536247-03,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B14.D
Acq On : 20 Jun 2025 03:02 pm
Operator : VOA130:PID
Sample : L2536247-04,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 13:48:19 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	245553	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 84.90%			
63) Chlorobenzene-d5	9.588	117	220699	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 90.09%			
84) 1,4-Dichlorobenzene-d4	12.288	152	141372	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 89.01%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	91342	11.939	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 119.39%			
47) 1,2-Dichloroethane-d4	5.756	65	69453	10.372	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.72%			
64) Toluene-d8	7.740	98	278599	9.565	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.65%			
88) 4-Bromofluorobenzene	11.080	95	108243	9.544	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.44%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.487	85	131	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.023	76	496	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.058	83	66	N.D.		

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B14.D
Acq On : 20 Jun 2025 03:02 pm
Operator : VOA130:PID
Sample : L2536247-04,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 13:48:19 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.588	91	356		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.073	91	234		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B14.D
Acq On : 20 Jun 2025 03:02 pm
Operator : VOA130:PID
Sample : L2536247-04,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 13:48:19 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

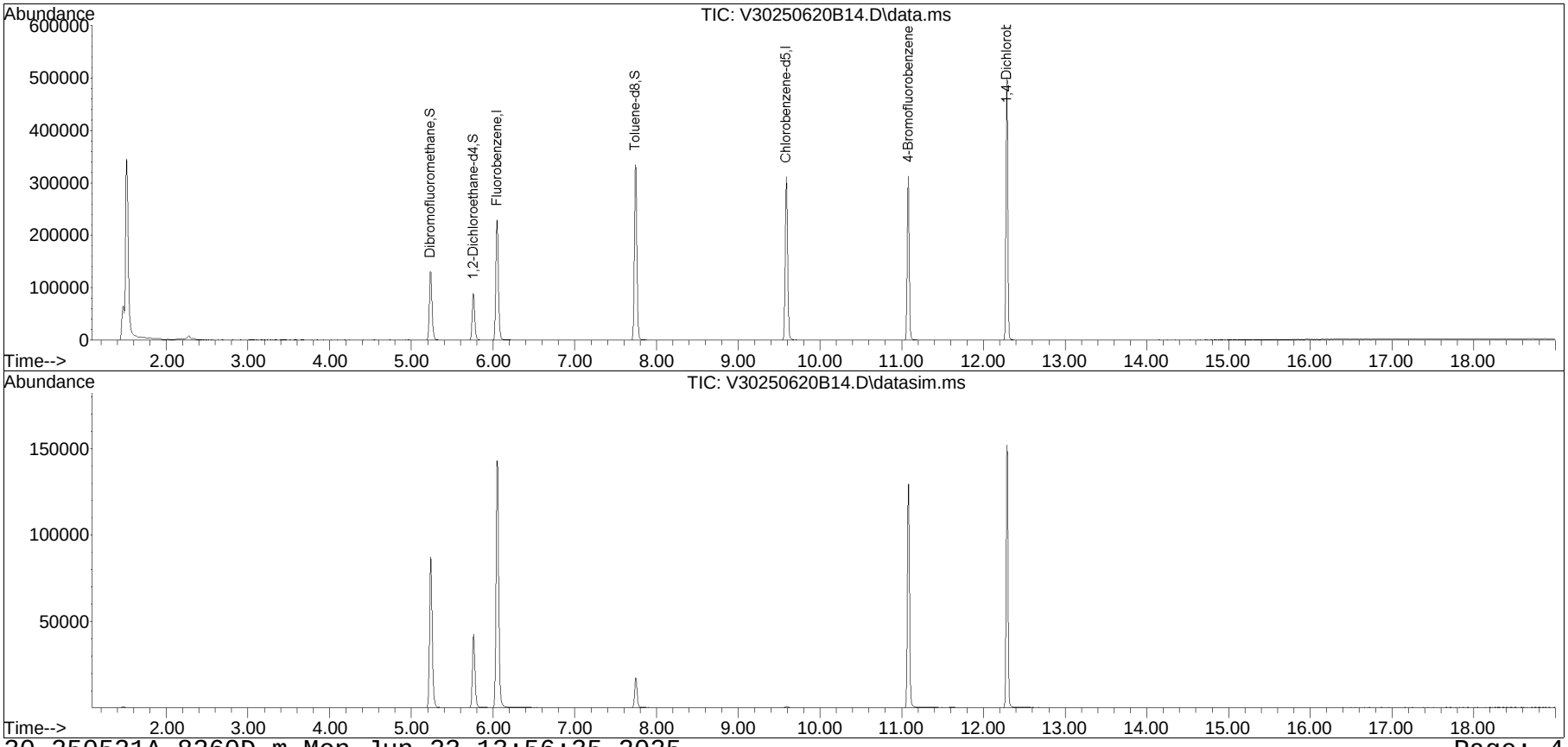
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B14.D
Acq On : 20 Jun 2025 03:02 pm
Operator : VOA130:PID
Sample : L2536247-04,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 13:48:19 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B14.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 3:02 pm	Instrument	: VOA130
Sample	: L2536247-04,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B15.D
Acq On : 20 Jun 2025 03:24 pm
Operator : VOA130:PID
Sample : L2536247-05,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 13:43:30 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	243299	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 84.12%			
63) Chlorobenzene-d5	9.587	117	215531	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 87.98%			
84) 1,4-Dichlorobenzene-d4	12.288	152	137567	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 86.62%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	89744	11.839	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 118.39%			
47) 1,2-Dichloroethane-d4	5.756	65	67379	10.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.56%			
64) Toluene-d8	7.740	98	274976	9.667	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.67%			
88) 4-Bromofluorobenzene	11.080	95	104650	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.023	76	549	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.569	43	1333	0.475	ug/L	94
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	3.795	73	201	N.D.		
25) 1,1-Dichloroethane	4.280	63	568	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.065	83	2004	0.224	ug/L #	86

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B15.D
Acq On : 20 Jun 2025 03:24 pm
Operator : VOA130:PID
Sample : L2536247-05,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 13:43:30 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	8.267	166	364		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.587	91	300		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.073	91	275		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B15.D
Acq On : 20 Jun 2025 03:24 pm
Operator : VOA130:PID
Sample : L2536247-05,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 13:43:30 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

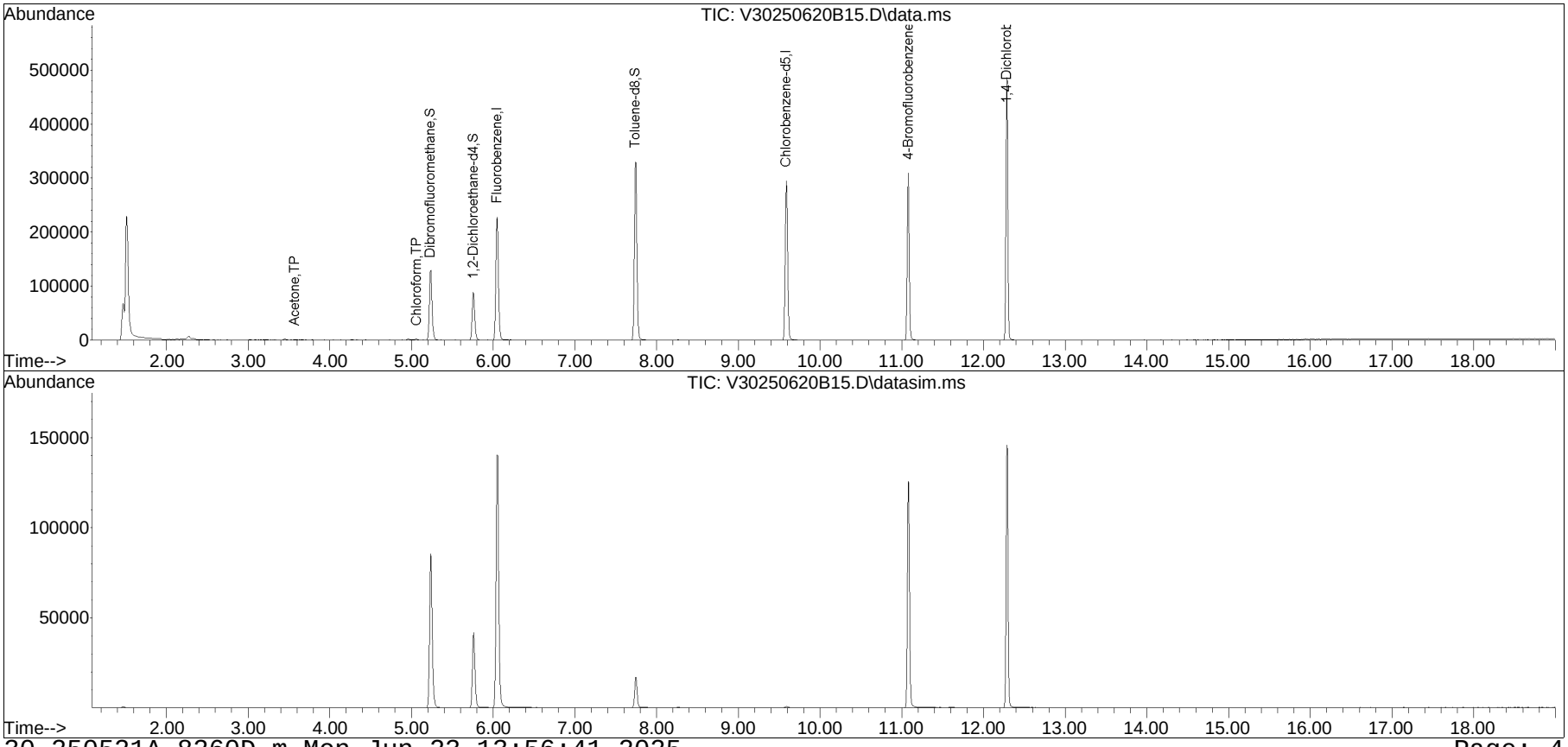
(#) = qualifier out of range (m) = manual integration (+) = signals summed

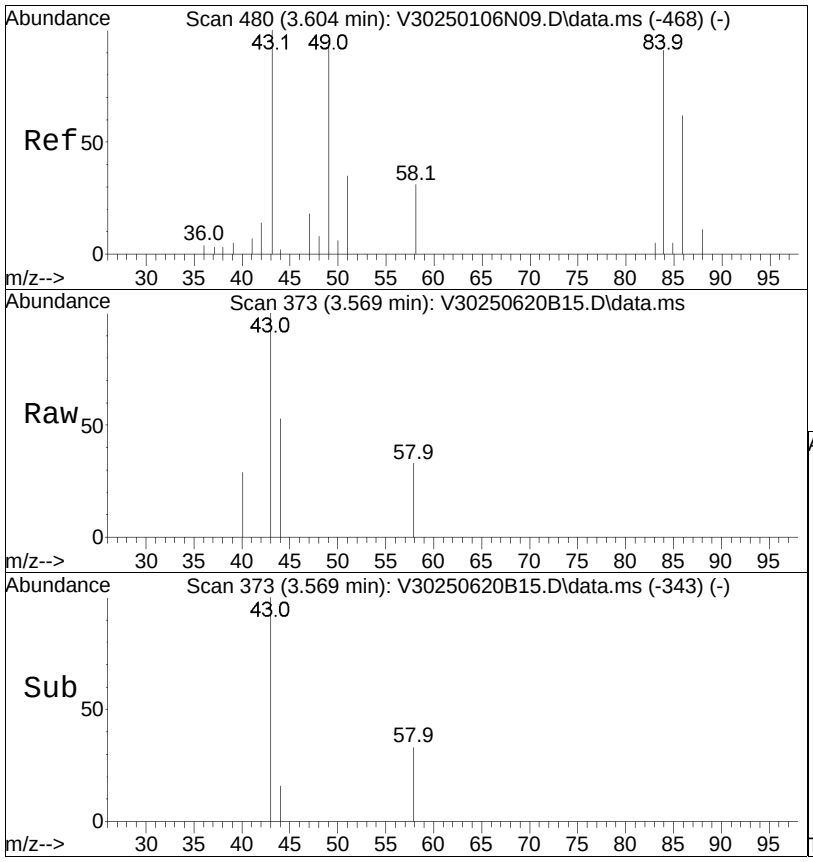
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B15.D
Acq On : 20 Jun 2025 03:24 pm
Operator : VOA130:PID
Sample : L2536247-05,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 13:43:30 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•

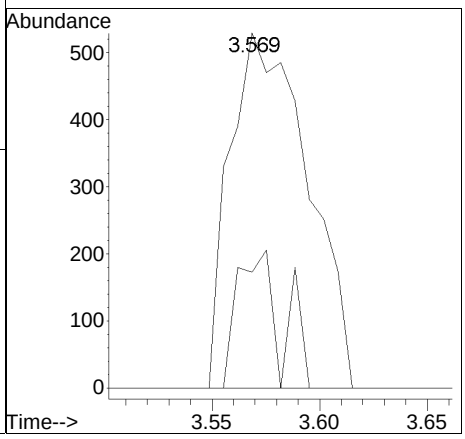


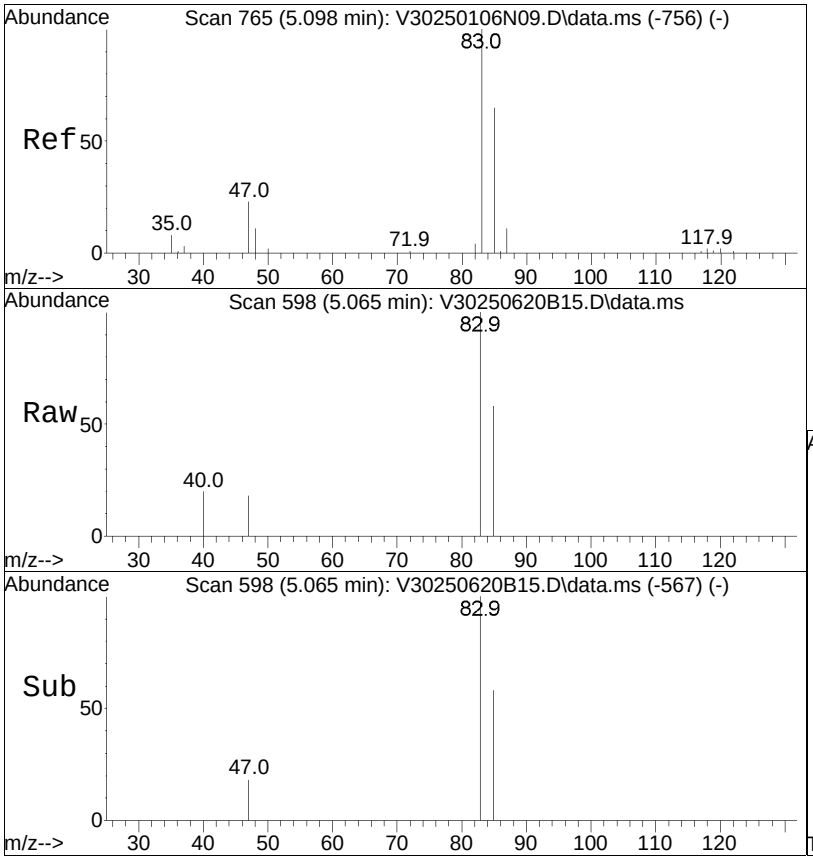


#17
Acetone
Concen: 0.48 ug/L
RT: 3.569 min Scan# 373
Delta R.T. 0.001 min
Lab File: V30250620B15.D
Acq: 20 Jun 2025 03:24 pm

Tgt Ion: 43 Resp: 1333

Ion	Ratio	Lower	Upper
43	100		
58	22.1	20.1	30.1

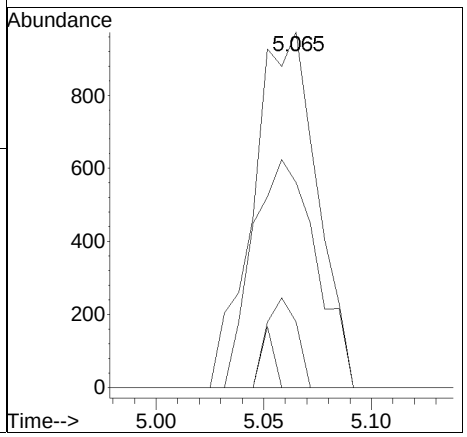




#35
Chloroform
Concen: 0.22 ug/L
RT: 5.065 min Scan# 598
Delta R.T. 0.007 min
Lab File: V30250620B15.D
Acq: 20 Jun 2025 03:24 pm

Tgt Ion: 83 Resp: 2004

Ion	Ratio	Lower	Upper
83	100		
85	64.0	41.4	86.0
47	12.0	20.5	42.5#
48	3.3	9.9	20.5#



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B15.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 3:24 pm	Instrument	: VOA130
Sample	: L2536247-05,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B16.D
Acq On : 20 Jun 2025 03:46 pm
Operator : VOA130:PID
Sample : L2536247-06,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 13:43:35 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	237244	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 82.03%			
63) Chlorobenzene-d5	9.587	117	214487	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 87.55%			
84) 1,4-Dichlorobenzene-d4	12.288	152	137148	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 86.35%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	88962	12.036	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 120.36%			
47) 1,2-Dichloroethane-d4	5.756	65	69584	10.756	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 107.56%			
64) Toluene-d8	7.740	98	268430	9.483	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.83%			
88) 4-Bromofluorobenzene	11.080	95	106779	9.705	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.017	76	370	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.575	43	613	Below Cal	#	70
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.065	83	200	N.D.		

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B16.D
Acq On : 20 Jun 2025 03:46 pm
Operator : VOA130:PID
Sample : L2536247-06,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 13:43:35 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.587	91	312		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.073	91	171		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B16.D
Acq On : 20 Jun 2025 03:46 pm
Operator : VOA130:PID
Sample : L2536247-06,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 13:43:35 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

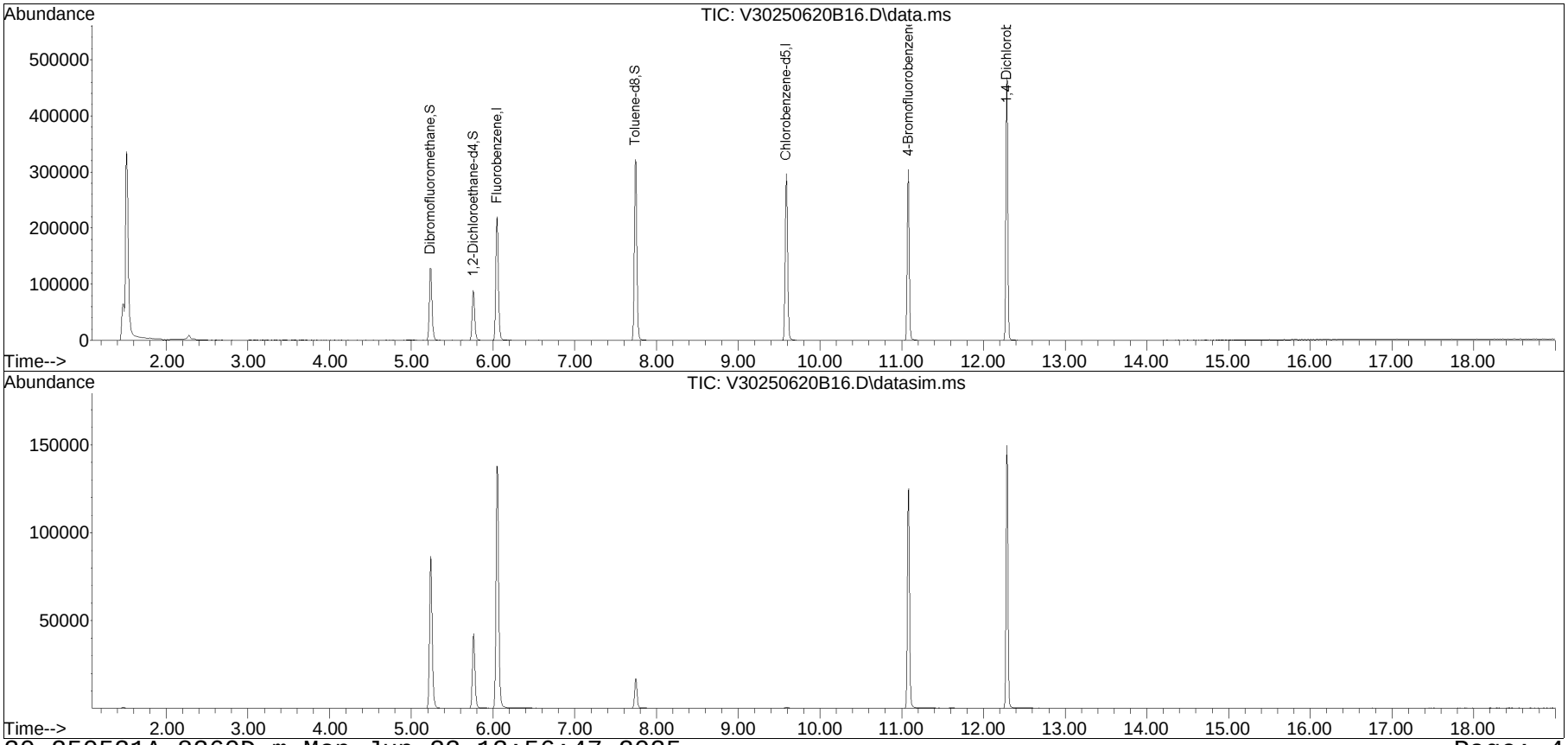
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B16.D
Acq On : 20 Jun 2025 03:46 pm
Operator : VOA130:PID
Sample : L2536247-06,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 13:43:35 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B16.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 3:46 pm	Instrument	: VOA130
Sample	: L2536247-06,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B17.D
Acq On : 20 Jun 2025 04:08 pm
Operator : VOA130:PID
Sample : L2536247-07,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 13:48:40 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	238361	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 82.42%			
63) Chlorobenzene-d5	9.588	117	213393	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 87.10%			
84) 1,4-Dichlorobenzene-d4	12.288	152	136277	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 85.81%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	89984	12.117	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 121.17%			
47) 1,2-Dichloroethane-d4	5.756	65	71499	11.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 110.00%			
64) Toluene-d8	7.740	98	265820	9.439	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.39%			
88) 4-Bromofluorobenzene	11.080	95	104021	9.515	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.15%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.030	76	309	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	5.065	83	5001	0.571	ug/L #	90

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B17.D
Acq On : 20 Jun 2025 04:08 pm
Operator : VOA130:PID
Sample : L2536247-07,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 13:48:40 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.588	91	338		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.080	91	140		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B17.D
Acq On : 20 Jun 2025 04:08 pm
Operator : VOA130:PID
Sample : L2536247-07,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 13:48:40 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

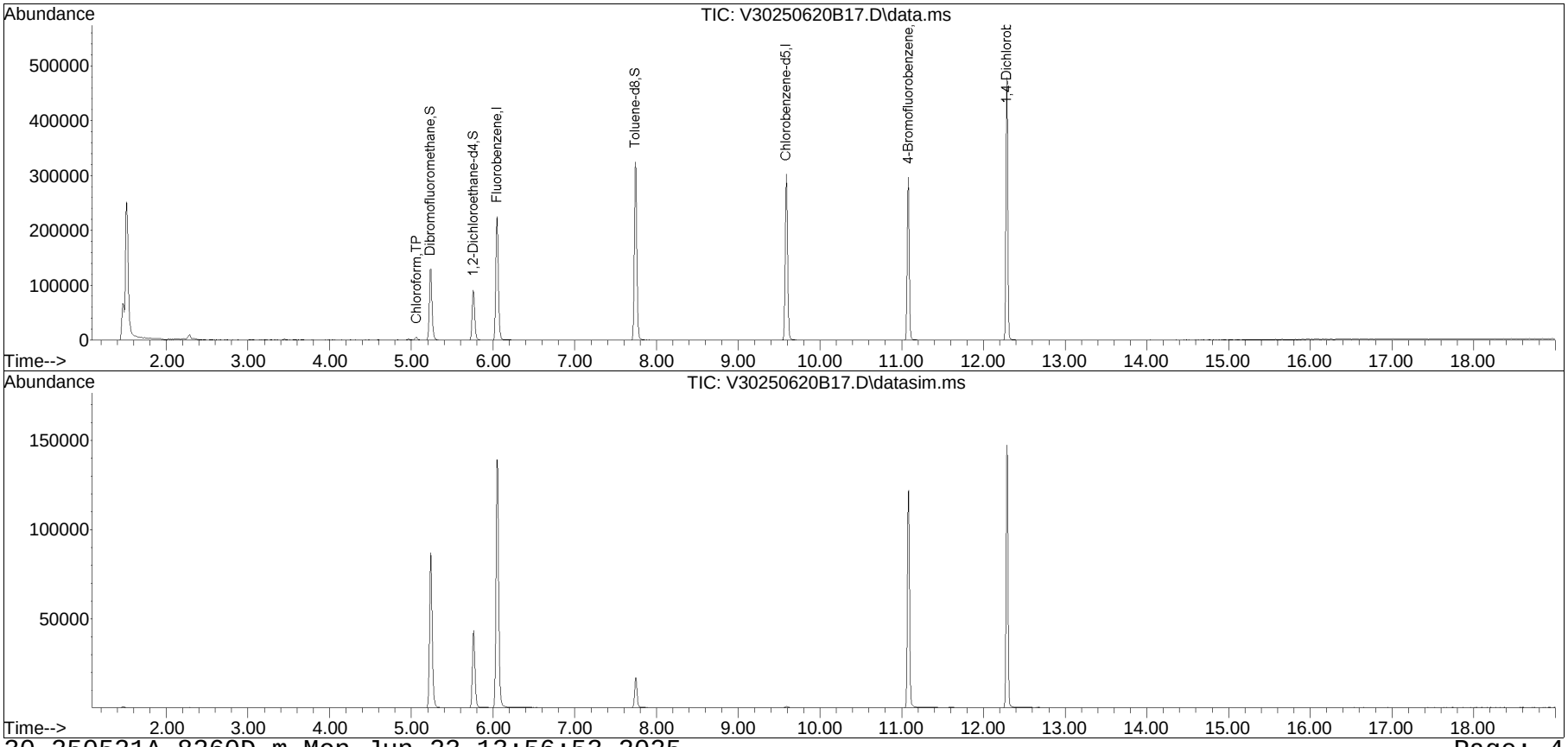
(#) = qualifier out of range (m) = manual integration (+) = signals summed

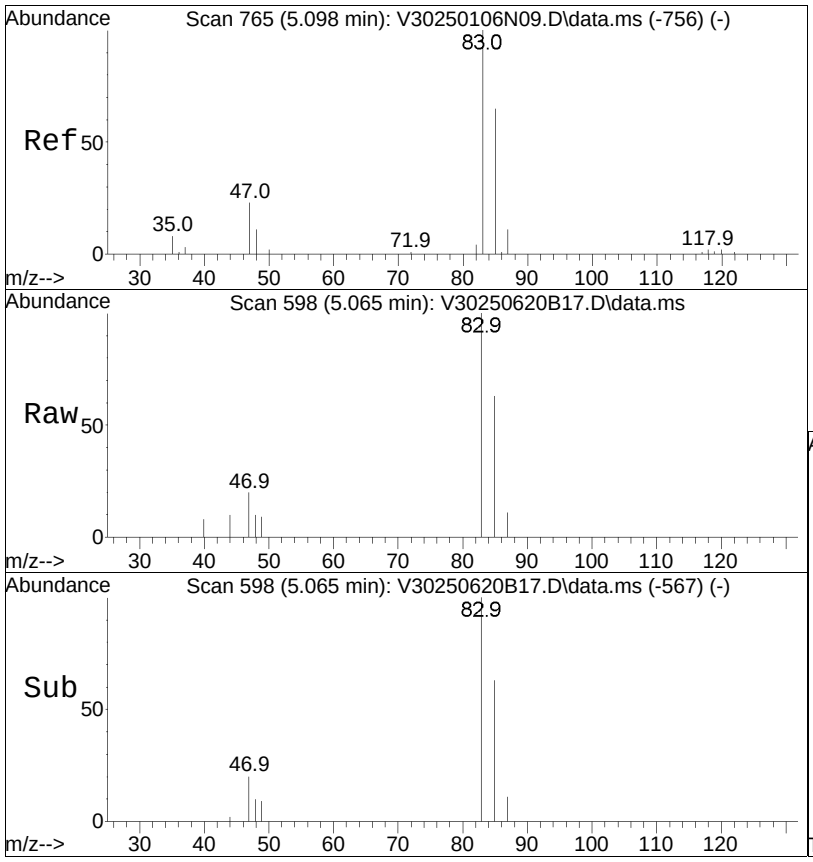
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B17.D
Acq On : 20 Jun 2025 04:08 pm
Operator : VOA130:PID
Sample : L2536247-07,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 13:48:40 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•

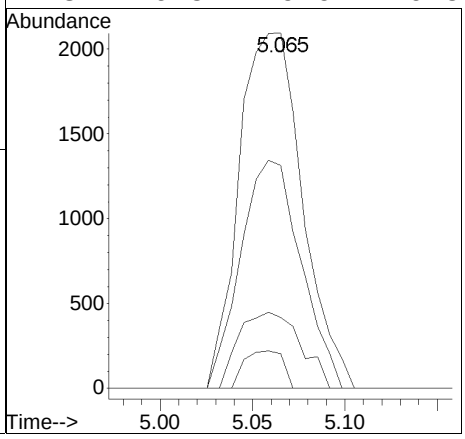




#35
Chloroform
Concen: 0.57 ug/L
RT: 5.065 min Scan# 598
Delta R.T. 0.007 min
Lab File: V30250620B17.D
Acq: 20 Jun 2025 04:08 pm

Tgt Ion: 83 Resp: 5001

Ion	Ratio	Lower	Upper
83	100		
85	61.1	41.4	86.0
47	20.8	20.5	42.5
48	6.5	9.9	20.5#



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B17.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 4:08 pm	Instrument	: VOA130
Sample	: L2536247-07,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B18.D
Acq On : 20 Jun 2025 04:29 pm
Operator : VOA130:PID
Sample : L2536247-08,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 13:48:49 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	243505	10.000	ug/L	0.00
Standard Area 1 = 289219			Recovery = 84.19%			
63) Chlorobenzene-d5	9.587	117	215439	10.000	ug/L	# 0.00
Standard Area 1 = 244984			Recovery = 87.94%			
84) 1,4-Dichlorobenzene-d4	12.288	152	139828	10.000	ug/L	0.00
Standard Area 1 = 158819			Recovery = 88.04%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	89962	11.858	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 118.58%			
47) 1,2-Dichloroethane-d4	5.756	65	70172	10.568	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.68%			
64) Toluene-d8	7.740	98	268967	9.460	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.60%			
88) 4-Bromofluorobenzene	11.080	95	105895	9.440	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	0.000		0	N.D.		
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	3.023	76	608	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
27) Acrylonitrile	0.000		0	N.D.		
29) Vinyl acetate	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
31) 2,2-Dichloropropane	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B18.D
Acq On : 20 Jun 2025 04:29 pm
Operator : VOA130:PID
Sample : L2536247-08,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 13:48:49 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.587	91	348		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.080	91	220		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B18.D
Acq On : 20 Jun 2025 04:29 pm
Operator : VOA130:PID
Sample : L2536247-08,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 13:48:49 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	0.000		0		N.D.	
106) 1,4-Dichlorobenzene	0.000		0		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

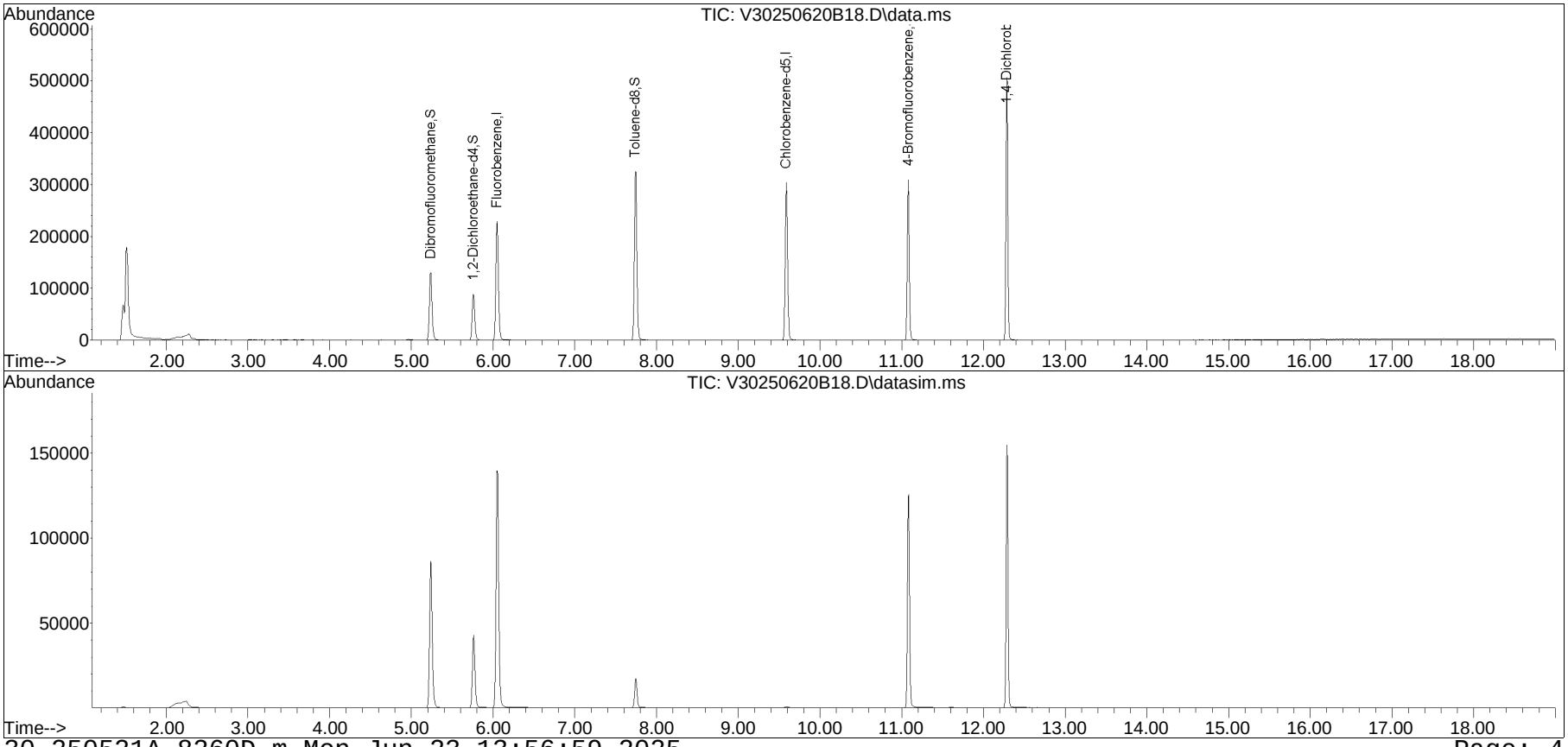
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B18.D
Acq On : 20 Jun 2025 04:29 pm
Operator : VOA130:PID
Sample : L2536247-08,31,10,10,,A
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 13:48:49 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B18.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 4:29 pm	Instrument	: VOA130
Sample	: L2536247-08,31,10,10,,A	Quant Date	: 6/23/2025 1:43 pm

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL22295**
Calibration dates	**: 05/21/25 02:55 05/21/25 06:33**		

Calibration Files

L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D

L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.183	0.270	0.246	0.247	0.233	0.238	0.229	0.235	11.31
3)	TP	Chloromethane		0.241	0.299	0.252	0.243	0.222	0.227	0.215	0.243	11.50
4)	TP	Vinyl chloride	0.263	0.201	0.277	0.240	0.235	0.219	0.226	0.215	0.235	10.76
5)	TP	Bromomethane		0.194	0.184	0.149	0.141	0.133	0.144	0.143	0.156	15.14
6)	TP	Chloroethane		0.132	0.163	0.142	0.137	0.127	0.131	0.126	0.137	9.36
7)	TP	Trichlorofluor		0.245	0.332	0.297	0.296	0.274	0.280	0.269	0.285	9.61
8)	TP	Ethyl ether		0.070	0.091	0.093	0.098	0.095	0.098	0.093	0.091	10.32
10)	TP	1,1-Dichloroet		0.168	0.221	0.189	0.187	0.175	0.180	0.175	0.185	9.50
11)	TP	Carbon disulfide		0.503	0.607	0.520	0.516	0.483	0.503	0.489	0.517	8.09
12)	TP	Freon-113		0.139	0.188	0.190	0.193	0.182	0.186	0.180	0.180	10.25
13)	TP	Iodomethane		0.284	0.283	0.246	0.257	0.263	0.288	0.280	0.272	5.86
14)	TP	Acrolein		0.033	0.026	0.023	0.022	0.021	0.021	0.020	0.024	19.59
15)	TP	Methylene chlo		0.240	0.249	0.216	0.205	0.192	0.200	0.191	0.213	10.83
17)	TP	Acetone		0.104	0.055	0.032	0.033	0.030	0.030	0.028	*L	0.9981
18)	TP	trans-1,2-Dich		0.188	0.232	0.200	0.196	0.185	0.194	0.189	0.198	8.15
19)	TP	Methyl acetate			0.094	0.078	0.080	0.076	0.077	0.074	0.080	9.00
21)	TP	Methyl tert butyl ether		0.320	0.336	0.347	0.391	0.420	0.439	0.421	0.382	12.40
22)	TP	tert-Butyl alc			0.008	0.008	0.009	0.010	0.009	0.009	0.009#	8.68
24)	TP	Diisopropyl ether		0.419	0.459	0.450	0.450	0.448	0.470	0.459	0.451	3.54
25)	TP	1,1-Dichloroet		0.340	0.425	0.367	0.352	0.327	0.340	0.325	0.354	9.77
26)	TP	Halothane		0.117	0.153	0.151	0.157	0.151	0.158	0.153	0.149	9.66
27)	TP	Acrylonitrile		0.034	0.042	0.041	0.042	0.039	0.040	0.037	0.039	7.04
28)	TP	Ethyl tert-but		0.373	0.405	0.404	0.415	0.433	0.458	0.450	0.420	7.02
29)	TP	Vinyl acetate			0.170	0.180	0.208	0.231	0.235	0.234	0.210	13.82
30)	TP	cis-1,2-Dichlo		0.222	0.266	0.228	0.224	0.208	0.218	0.210	0.225	8.65
31)	TP	2,2-Dichloropr		0.222	0.286	0.279	0.293	0.277	0.288	0.275	0.274	8.67
33)	TP	Bromochloromet		0.108	0.125	0.111	0.109	0.103	0.107	0.103	0.109	6.79
34)	TP	Cyclohexane		0.230	0.284	0.284	0.312	0.305	0.314	0.303	0.290	10.06
35)	TP	Chloroform		0.365	0.440	0.367	0.358	0.334	0.361	0.346	0.367	9.29
36)	TP	Ethyl acetate			0.082	0.082	0.090	0.094	0.097	0.093	0.090	7.21
37)	TP	Carbon tetrachloride	0.208	0.187	0.263	0.258	0.280	0.276	0.288	0.282	0.255	14.57
38)	TP	Tetrahydrofuran		0.034	0.033	0.030	0.032	0.030	0.031	0.029	0.031	5.95
39)	S	Dibromofluoromethane	0.333	0.330	0.326	0.314	0.311	0.295	0.296	0.288	0.312	5.59
40)	TP	1,1,1-Trichlor		0.223	0.290	0.291	0.301	0.290	0.302	0.292	0.284	9.72
42)	TP	2-Butanone			0.040	0.039	0.038	0.040	0.041	0.039	0.040	2.56

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL22295**
Calibration dates	**: 05/21/25 02:55 05/21/25 06:33**		

Calibration Files
L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D
L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.147	0.206	0.205	0.225	0.235	0.247	0.254	0.217	16.71
45) TP	Benzene	0.723	0.603	0.711	0.669	0.666	0.681	0.758	0.737	0.694	7.09
46) TP	Tertiary-Amyl Methyl Ether		0.354	0.368	0.366	0.375	0.373	0.391	0.384	0.373	3.25
47) S	1,2-Dichloroethane-d4	0.268	0.275	0.268	0.273	0.286	0.274	0.272	0.266	0.273	2.33
48) TP	1,2-Dichloroethane	0.206	0.201	0.223	0.211	0.216	0.207	0.214	0.203	0.210	3.51
51) TP	Methyl cyclohe		0.215	0.275	0.275	0.286	0.284	0.299	0.298	0.276	10.42
52) TP	Trichloroethene	0.179	0.145	0.182	0.170	0.182	0.193	0.207	0.202	0.182#	10.70
54) TP	Dibromomethane		0.098	0.114	0.104	0.106	0.102	0.107	0.102	0.105	4.57
55) TP	1,2-Dichloropr		0.137	0.162	0.162	0.170	0.179	0.188	0.182	0.169#	10.12
57) TP	2-Chloroethyl				0.029	0.036	0.042	0.044	0.045	0.039	17.16
58) TP	Bromodichlorom		0.209	0.230	0.232	0.253	0.255	0.267	0.258	0.244#	8.31
61) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.06
62) TP	cis-1,3-Dichloropropene	0.230	0.216	0.256	0.258	0.275	0.288	0.302	0.293	0.265#	11.47
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.344	1.342	1.340	1.327	1.333	1.305	1.298	1.269	1.320	2.02
65) TP	Toluene		0.508	0.611	0.579	0.568	0.555	0.576	0.563	0.566	5.50
66) TP	4-Methyl-2-pen			0.036	0.043	0.045	0.044	0.044	0.041	0.042	7.72
67) TP	Tetrachloroethene	0.249	0.209	0.275	0.259	0.263	0.262	0.274	0.270	0.258	8.31
69) TP	trans-1,3-Dichloropropene	0.201	0.218	0.262	0.270	0.287	0.303	0.318	0.314	0.272#	16.00
71) TP	Ethyl methacry		0.156	0.168	0.182	0.191	0.187	0.189	0.181	0.179	7.09
72) TP	1,1,2-Trichlor		0.120	0.131	0.130	0.133	0.141	0.148	0.148	0.136#	7.67
73) TP	Chlorodibromom		0.169	0.188	0.201	0.214	0.234	0.248	0.251	0.215	14.45
74) TP	1,3-Dichloropr		0.243	0.275	0.279	0.283	0.294	0.307	0.304	0.284	7.72
75) TP	1,2-Dibromoethane		0.132	0.155	0.163	0.168	0.172	0.179	0.177	0.164#	9.92
77) TP	2-Hexanone		0.064	0.068	0.071	0.073	0.071	0.070	0.066	0.069	4.75
78) T	Chlorobenzene		0.579	0.688	0.646	0.631	0.628	0.660	0.650	0.640	5.25
79) TP	Ethylbenzene		0.934	1.161	1.084	1.071	1.045	1.091	1.079	1.066	6.42
80) T	1,1,1,2-Tetrac		0.177	0.207	0.210	0.217	0.224	0.237	0.243	0.217	10.10
81) TP	p/m Xylene		0.378	0.497	0.445	0.434	0.422	0.442	0.438	0.437	8.04
82) TP	o Xylene		0.383	0.481	0.435	0.424	0.411	0.429	0.427	0.427	6.94
83) TP	Styrene		0.633	0.767	0.717	0.704	0.683	0.712	0.688	0.701	5.81
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.174	0.186	0.212	0.227	0.231	0.241	0.251	0.217	13.13
87) TP	Isopropylbenzene		1.532	1.996	1.862	1.871	1.796	1.867	1.869	1.828	7.85
88) S	4-Bromofluorobenzene	0.841	0.835	0.819	0.798	0.806	0.775	0.766	0.776	0.802	3.53
89) TP	Bromobenzene		0.475	0.500	0.483	0.481	0.465	0.486	0.493	0.483	2.39

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA130**	**Ical Ref**	**: ICAL22295**
Calibration dates	**: 05/21/25 02:55 05/21/25 06:33**		

Calibration Files
L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D
L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		1.763	2.314	2.168	2.171	2.095	2.147	2.113	2.110	7.99
91) TP	1,4-Dichlorobu		0.460	0.430	0.430	0.439	0.415	0.418	0.412	0.429	3.90
92) TP	1,1,2,2-Tetrachloroethane	0.317	0.286	0.288	0.299	0.309	0.301	0.302	0.301	0.300	3.40
93) TP	4-Ethyltoluene		1.487	1.884	1.864	1.860	1.809	1.858	1.832	1.799	7.77
94) TP	2-Chlorotoluene		1.176	1.392	1.300	1.320	1.208	1.263	1.256	1.274	5.66
95) TP	1,3,5-Trimethy		1.169	1.471	1.433	1.522	1.570	1.628	1.620	1.488	10.62
96) TP	1,2,3-Trichlor		0.240	0.230	0.236	0.248	0.237	0.242	0.241	0.239	2.35
97) TP	trans-1,4-Dich			0.060	0.069	0.075	0.074	0.075	0.073	0.071	8.41
98) TP	4-Chlorotoluene		1.239	1.467	1.366	1.357	1.312	1.347	1.342	1.347	5.06
99) TP	tert-Butylbenzene		1.138	1.480	1.391	1.369	1.346	1.395	1.388	1.358	7.76
102) TP	1,2,4-Trimethy		1.085	1.359	1.364	1.459	1.549	1.634	1.614	1.438	13.27
103) TP	sec-Butylbenzene		1.504	2.028	1.953	1.940	1.908	1.971	1.949	1.893	9.27
104) TP	p-Isopropyltol		1.282	1.690	1.640	1.701	1.722	1.799	1.772	1.658	10.48
105) TP	1,3-Dichlorobe		0.876	0.993	0.936	0.939	0.927	0.967	0.974	0.945	4.05
106) TP	1,4-Dichlorobe		0.931	1.004	0.943	0.936	0.930	0.972	0.968	0.955	2.90
107) TP	p-Diethylbenzene		0.687	0.907	0.890	0.960	1.033	1.104	1.108	0.956	15.40
108) TP	n-Butylbenzene		0.928	1.237	1.239	1.334	1.402	1.481	1.438	1.294	14.44
109) TP	1,2-Dichlorobe		0.816	0.915	0.871	0.873	0.865	0.898	0.895	0.876	3.67
110) TP	1,2,4,5-Tetram		1.131	1.245	1.232	1.326	1.478	1.609	1.618	1.377	14.03
111) TP	1,2-Dibromo-3-		0.044	0.051	0.053	0.055	0.056	0.057	0.057	0.053	8.38
112) TP	1,3,5-Trichlor		0.508	0.591	0.578	0.625	0.686	0.733	0.742	0.638	13.59
113) TP	Hexachlorobuta		0.203	0.244	0.227	0.235	0.248	0.261	0.267	0.241	8.98
114) TP	1,2,4-Trichlor		0.521	0.547	0.530	0.551	0.590	0.621	0.633	0.570	7.78
115) TP	Naphthalene		1.106	1.085	1.089	1.100	1.124	1.148	1.135	1.113	2.15
116) TP	1,2,3-Trichlor		0.523	0.536	0.523	0.516	0.533	0.549	0.550	0.533	2.49

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22314**
Calibration dates	**: 05/23/25 01:46 05/23/25 05:49**		

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.264	0.385	0.378	0.330	0.311	0.305	0.283	0.322	14.14
3)	TP	Chloromethane		0.345	0.404	0.399	0.333	0.315	0.306	0.289	0.341	13.09
4)	TP	Vinyl chloride	0.297	0.255	0.372	0.352	0.299	0.270	0.262	0.244	0.294	15.80
5)	TP	Bromomethane		0.159	0.207	0.166	0.158	0.153	0.155	0.147	0.164	12.26
6)	TP	Chloroethane		0.180	0.235	0.227	0.192	0.175	0.170	0.157	0.191	15.49
7)	TP	Trichlorofluor		0.325	0.467	0.443	0.378	0.357	0.360	0.348	0.383	13.73
8)	TP	Ethyl ether		0.083	0.110	0.131	0.129	0.129	0.131	0.129	0.120	15.01
10)	TP	1,1-Dichloroet		0.193	0.284	0.258	0.222	0.210	0.211	0.203	0.226	14.60
11)	TP	Carbon disulfide		0.673	0.843	0.802	0.695	0.666	0.670	0.639	0.713	10.90
12)	TP	Freon-113		0.155	0.250	0.258	0.231	0.224	0.226	0.215	0.223	14.97
13)	TP	Iodomethane		0.430	0.364	0.385	0.332	0.335	0.314	0.307	0.353	12.40
14)	TP	Acrolein		0.045	0.037	0.037	0.033	0.031	0.032	0.031	0.035	14.70
15)	TP	Methylene chlo		0.253	0.261	0.282	0.241	0.233	0.233	0.231	0.248	7.61
17)	TP	Acetone			0.071	0.054	0.053	0.052	0.051	0.051	0.055	13.82
18)	TP	trans-1,2-Dich		0.186	0.258	0.265	0.232	0.225	0.227	0.222	0.231	11.30
19)	TP	Methyl acetate			0.151	0.145	0.124	0.124	0.127	0.125	0.133	9.06
21)	TP	Methyl tert butyl ether		0.413	0.487	0.528	0.542	0.559	0.578	0.578	0.527	11.27
22)	TP	tert-Butyl alc		0.010	0.008	0.011	0.011	0.010	0.011	0.011	0.010	10.51
24)	TP	Diisopropyl ether		0.762	0.852	0.862	0.819	0.827	0.836	0.818	0.825	3.91
25)	TP	1,1-Dichloroet		0.461	0.530	0.528	0.443	0.420	0.412	0.395	0.456	11.92
26)	TP	Halothane		0.117	0.176	0.187	0.175	0.180	0.181	0.183	0.171	14.21
27)	TP	Acrylonitrile		0.059	0.073	0.074	0.070	0.066	0.066	0.062	0.067	8.45
28)	TP	Ethyl tert-but		0.555	0.623	0.649	0.641	0.662	0.688	0.692	0.644	7.20
29)	TP	Vinyl acetate		0.388	0.465	0.425	0.416	0.440	0.479	0.427	0.434	7.03
30)	TP	cis-1,2-Dichlo		0.254	0.284	0.299	0.263	0.258	0.258	0.255	0.267	6.50
31)	TP	2,2-Dichloropr		0.292	0.385	0.402	0.362	0.351	0.348	0.335	0.354	10.07
33)	TP	Bromochloromet		0.109	0.141	0.142	0.125	0.124	0.126	0.125	0.127	8.84
34)	TP	Cyclohexane		0.377	0.494	0.536	0.497	0.499	0.499	0.479	0.483	10.34
35)	TP	Chloroform		0.416	0.483	0.464	0.411	0.402	0.402	0.399	0.425	7.99
36)	TP	Ethyl acetate			0.183	0.166	0.172	0.175	0.181	0.177	0.176	3.64
37)	TP	Carbon tetrachloride	0.244	0.229	0.313	0.332	0.309	0.328	0.320	0.320	0.299	13.31
38)	TP	Tetrahydrofuran		0.082	0.062	0.062	0.057	0.060	0.054	0.059	0.063	14.71
39)	S	Dibromofluoromethane	0.292	0.288	0.287	0.294	0.279	0.259	0.264	0.264	0.278	5.09
40)	TP	1,1,1-Trichlor		0.274	0.358	0.383	0.350	0.354	0.354	0.349	0.346	9.74
42)	TP	2-Butanone			0.099	0.077	0.074	0.076	0.078	0.076	0.080	11.94

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22314**
Calibration dates	**: 05/23/25 01:46 05/23/25 05:49**		

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP	1,1-Dichloropr		0.167	0.250	0.278	0.286	0.290	0.293	0.288	0.265	17.21
45) TP	Benzene	0.835	0.792	0.914	0.940	0.919	0.951	0.961	0.957	0.909	6.84
46) TP	Tertiary-Amyl Methyl Ether		0.511	0.518	0.566	0.532	0.546	0.569	0.575	0.545	4.75
47) S	1,2-Dichloroethane-d4	0.283	0.281	0.284	0.302	0.261	0.268	0.265	0.261	0.276	5.19
48) T	1,2-Dichloroethane	0.228	0.271	0.299	0.300	0.276	0.268	0.270	0.259	0.271	8.48
51) TP	Methyl cyclohe		0.305	0.405	0.432	0.409	0.430	0.445	0.444	0.410	11.94
52) TP	Trichloroethene	0.192	0.177	0.200	0.224	0.233	0.244	0.249	0.260	0.222	13.33
54) TP	Dibromomethane		0.117	0.131	0.135	0.130	0.129	0.132	0.132	0.129	4.37
55) TP	1,2-Dichloropr		0.187	0.225	0.246	0.248	0.251	0.252	0.249	0.237	10.08
57) TP	2-Chloroethyl		0.074	0.101	0.113	0.113	0.115	0.117	0.118	0.107	14.87
58) TP	Bromodichlorom		0.265	0.290	0.315	0.308	0.321	0.324	0.323	0.307	7.20
61) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	9.63
62) TP	cis-1,3-Dichloropropene	0.267	0.276	0.308	0.347	0.371	0.382	0.391	0.388	0.341	14.89
63) I	Chlorobenzene-d5	----------ISTD----------									
64) S	Toluene-d8	1.307	1.291	1.297	1.294	1.240	1.245	1.235	1.172	1.260	3.63
65) TP	Toluene		0.611	0.767	0.769	0.718	0.744	0.749	0.749	0.730	7.56
66) TP	4-Methyl-2-pen		0.064	0.068	0.077	0.074	0.075	0.076	0.073	0.072	6.53
67) TP	Tetrachloroethene	0.317	0.242	0.312	0.318	0.303	0.313	0.317	0.317	0.305	8.52
69) TP	trans-1,3-Dichloropropene	0.249	0.326	0.319	0.351	0.372	0.400	0.408	0.409	0.354	15.66
71) TP	Ethyl methacry		0.313	0.307	0.314	0.299	0.298	0.307	0.296	0.305	2.38
72) TP	1,1,2-Trichlor		0.162	0.169	0.166	0.172	0.185	0.187	0.189	0.176#	6.24
73) TP	Chlorodibromom		0.207	0.239	0.255	0.273	0.306	0.313	0.326	0.274	15.80
74) TP	1,3-Dichloropr		0.312	0.349	0.358	0.369	0.400	0.407	0.401	0.371	9.37
75) TP	1,2-Dibromoethane		0.178	0.199	0.201	0.210	0.227	0.233	0.231	0.211	9.63
77) TP	2-Hexanone		0.218	0.178	0.166	0.151	0.150	0.147	0.138	0.164	16.74
78) TP	Chlorobenzene		0.749	0.879	0.873	0.832	0.870	0.883	0.886	0.853	5.77
79) TP	Ethylbenzene		1.299	1.532	1.528	1.445	1.537	1.570	1.540	1.493	6.28
80) TP	1,1,1,2-Tetrac		0.222	0.253	0.274	0.268	0.304	0.321	0.326	0.281	13.45
81) TP	p/m Xylene		0.567	0.629	0.626	0.592	0.649	0.659	0.646	0.624	5.34
82) TP	o Xylene		0.552	0.615	0.627	0.592	0.645	0.656	0.636	0.617	5.77
83) TP	Styrene		0.929	1.029	1.041	1.005	1.104	1.117	1.048	1.039	6.07
84) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85) TP	Bromoform		0.222	0.266	0.275	0.299	0.328	0.350	0.338	0.297	15.36
87) TP	Isopropylbenzene		2.396	2.771	2.847	2.760	2.809	2.919	2.789	2.756	6.08
88) S	4-Bromofluorobenzene	0.851	0.834	0.835	0.826	0.823	0.769	0.777	0.732	0.806	5.15
89) TP	Bromobenzene		0.559	0.650	0.641	0.622	0.630	0.660	0.647	0.630	5.35

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: ELAINE**	**Ical Ref**	**: ICAL22314**
Calibration dates	**: 05/23/25 01:46 05/23/25 05:49**		

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP	n-Propylbenzene		2.801	3.322	3.404	3.273	3.340	3.432	3.163	3.248	6.64
91) TP	1,4-Dichlorobu		0.777	0.769	0.781	0.762	0.748	0.768	0.726	0.762	2.50
92) TP	1,1,2,2-Tetrachloroethane	0.438	0.462	0.449	0.443	0.433	0.418	0.440	0.414	0.437	3.57
93) TP	4-Ethyltoluene		2.401	2.886	2.885	2.724	2.804	2.912	2.766	2.768	6.37
94) TP	2-Chlorotoluene		1.783	2.005	1.935	1.893	1.929	2.032	1.913	1.927	4.19
95) TP	1,3,5-Trimethy		1.977	2.374	2.452	2.451	2.575	2.664	2.499	2.427	9.05
96) TP	1,2,3-Trichlor		0.359	0.365	0.379	0.370	0.388	0.400	0.398	0.380	4.19
97) TP	trans-1,4-Dich		0.163	0.150	0.159	0.152	0.150	0.155	0.147	0.154	3.70
98) TP	4-Chlorotoluene		1.865	2.032	2.064	1.968	2.020	2.082	1.987	2.002	3.61
99) TP	tert-Butylbenzene		1.816	2.165	2.162	2.104	2.170	2.230	2.127	2.111	6.42
102) TP	1,2,4-Trimethy		1.844	2.277	2.419	2.425	2.520	2.568	2.457	2.359	10.38
103) TP	sec-Butylbenzene		2.457	3.115	3.155	3.055	3.166	3.220	3.042	3.030	8.59
104) TP	p-Isopropyltol		2.137	2.715	2.797	2.737	2.835	2.869	2.735	2.689	9.30
105) TP	1,3-Dichlorobe		1.275	1.368	1.410	1.363	1.422	1.465	1.445	1.393	4.59
106) TP	1,4-Dichlorobe		1.347	1.321	1.361	1.331	1.394	1.435	1.432	1.374	3.40
107) TP	p-Diethylbenzene		1.151	1.535	1.682	1.658	1.737	1.781	1.729	1.611	13.49
108) TP	n-Butylbenzene		1.699	2.169	2.307	2.302	2.367	2.402	2.297	2.220	10.85
109) TP	1,2-Dichlorobe		1.151	1.301	1.329	1.280	1.318	1.350	1.341	1.296	5.26
110) TP	1,2,4,5-Tetram		2.159	2.313	2.474	2.509	2.667	2.845	2.599	2.509	9.03
111) TP	1,2-Dibromo-3-		0.059	0.079	0.083	0.083	0.080	0.086	0.081	0.079	11.34
112) TP	1,3,5-Trichlor		0.842	0.925	0.934	0.928	0.969	1.032	0.973	0.943	6.17
113) TP	Hexachlorobuta		0.234	0.306	0.281	0.271	0.265	0.267	0.245	0.267	8.72
114) TP	1,2,4-Trichlor		0.762	0.836	0.847	0.829	0.878	0.916	0.861	0.847	5.61
115) TP	Naphthalene		1.948	1.942	1.975	1.921	2.010	2.079	1.972	1.978	2.67
116) TP	1,2,3-Trichlor		0.790	0.768	0.755	0.740	0.759	0.768	0.736	0.759	2.42

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22345**
Calibration dates	**: 06/05/25 13:54 06/05/25 17:55**		

Calibration Files

L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D

L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo		0.226	0.175	0.274	0.300	0.319	0.310	0.307	0.273	19.66
3)	TP	Chloromethane		0.338	0.316	0.325	0.319	0.326	0.331	0.330	0.326	2.24
4)	TP	Vinyl chloride	0.289	0.313	0.285	0.341	0.351	0.367	0.366	0.368	0.335	10.35
5)	TP	Bromomethane		0.281	0.219	0.198	0.201	0.224	0.244	0.254	0.232	12.85
6)	TP	Chloroethane		0.286	0.247	0.255	0.252	0.256	0.256	0.247	0.257	5.26
7)	TP	Trichlorofluor		0.407	0.328	0.478	0.523	0.559	0.542	0.539	0.482	17.68
8)	TP	Ethyl ether		0.177	0.156	0.163	0.159	0.157	0.160	0.158	0.161	4.50
10)	TP	1,1-Dichloroet		0.337	0.246	0.280	0.292	0.305	0.303	0.303	0.295	9.38
11)	TP	Carbon disulfide		0.846	0.771	0.880	0.878	0.884	0.926	0.923	0.873	6.05
12)	TP	Freon-113			0.168	0.281	0.302	0.309	0.306	0.301	0.278	19.59
13)	TP	Iodomethane		0.326	0.276	0.347	0.384	0.400	0.394	0.385	0.359	12.66
14)	TP	Acrolein			0.025	0.026	0.026	0.025	0.026	0.025	0.025	2.37
15)	TP	Methylene chlo		0.294	0.258	0.268	0.259	0.260	0.266	0.266	0.267	4.59
17)	TP	Acetone			0.052	0.045	0.041	0.037	0.038	0.038	0.042	13.60
18)	TP	trans-1,2-Dich		0.264	0.250	0.264	0.269	0.278	0.282	0.282	0.270	4.36
19)	TP	Methyl acetate			0.111	0.109	0.110	0.108	0.106	0.093	0.106	6.31
20)	TP	Methyl tert butyl ether		0.610	0.566	0.623	0.632	0.620	0.632	0.625	0.615	3.73
21)	TP	tert-Butyl alc		0.014	0.013	0.014	0.015	0.014	0.014	0.014	0.014	4.94
22)	TP	Diisopropyl ether		0.807	0.761	0.821	0.818	0.832	0.851	0.850	0.820	3.73
23)	TP	1,1-Dichloroet		0.469	0.455	0.482	0.485	0.498	0.503	0.492	0.484	3.49
24)	TP	Halothane		0.186	0.164	0.199	0.206	0.218	0.217	0.219	0.201	10.09
25)	TP	Acrylonitrile		0.039	0.046	0.053	0.055	0.055	0.056	0.056	0.051	12.45
26)	TP	Ethyl tert-but		0.716	0.688	0.746	0.744	0.749	0.767	0.767	0.740	3.86
27)	TP	Vinyl acetate			0.383	0.391	0.337	0.303	0.326	0.313	0.342	10.65
28)	TP	cis-1,2-Dichlo		0.290	0.277	0.301	0.294	0.295	0.300	0.302	0.294	2.92
29)	TP	2,2-Dichloropr		0.385	0.341	0.363	0.370	0.377	0.370	0.363	0.367	3.74
30)	TP	Bromochloromet		0.129	0.130	0.138	0.136	0.131	0.132	0.130	0.132	2.58
31)	TP	Cyclohexane			0.278	0.435	0.482	0.513	0.500	0.509	0.453	19.90
32)	TP	Chloroform		0.468	0.423	0.458	0.451	0.458	0.465	0.465	0.455	3.41
33)	TP	Ethyl acetate		0.223	0.158	0.158	0.159	0.156	0.158	0.156	0.167	14.84
34)	TP	Carbon tetrachloride	0.283	0.327	0.294	0.375	0.395	0.416	0.411	0.416	0.365	15.21
35)	TP	Tetrahydrofuran			0.054	0.049	0.050	0.048	0.047	0.046	0.049	6.44
36)	S	Dibromofluoromethane	0.264	0.269	0.263	0.268	0.267	0.273	0.276	0.279	0.270	2.12
37)	TP	1,1,1-Trichlor		0.384	0.351	0.402	0.412	0.427	0.423	0.427	0.404	6.94
39)	TP	2-Butanone			0.042	0.057	0.063	0.059	0.060	0.061	0.057	13.13

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22345**
Calibration dates	**: 06/05/25 13:54 06/05/25 17:55**		

Calibration Files

L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D

L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
40) TP	1,1-Dichloropr		0.292	0.269	0.333	0.347	0.364	0.360	0.359	0.332	11.21
41) TP	Benzene	0.928	0.979	0.945	1.018	1.009	1.031	1.043	1.049	1.000	4.50
42) TP	Tertiary-Amyl Methyl Ether		0.627	0.572	0.640	0.648	0.640	0.652	0.651	0.633	4.45
43) S	1,2-Dichloroethane-d4	0.267	0.265	0.268	0.263	0.267	0.270	0.282	0.285	0.271	2.98
44) TP	1,2-Dichloroethane	0.283	0.273	0.285	0.310	0.303	0.301	0.307	0.305	0.296	4.67
47) TP	Methyl cyclohe			0.260	0.426	0.471	0.499	0.489	0.501	*L	0.9998
48) TP	Trichloroethene	0.287	0.295	0.253	0.282	0.280	0.295	0.299	0.308	0.287	5.76
50) TP	Dibromomethane		0.129	0.129	0.142	0.143	0.143	0.146	0.146	0.140	5.38
51) TP	1,2-Dichloropr		0.266	0.247	0.269	0.269	0.272	0.276	0.276	0.268	3.72
53) TP	2-Chloroethyl			0.011	0.018	0.020	0.019	0.020	0.021	0.018	19.91
54) TP	Bromodichlorom		0.339	0.329	0.355	0.353	0.351	0.361	0.361	0.350	3.36
57) TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.92
58) TP	cis-1,3-Dichloropropene	0.357	0.387	0.380	0.409	0.416	0.417	0.425	0.425	0.402	6.14
59) I	Chlorobenzene-d5	----------ISTD----------									
60) S	Toluene-d8	1.248	1.277	1.277	1.270	1.262	1.224	1.233	1.191	1.248	2.43
61) TP	Toluene		0.777	0.781	0.851	0.841	0.838	0.841	0.840	0.824	3.78
62) TP	4-Methyl-2-pen		0.051	0.064	0.076	0.079	0.075	0.076	0.074	0.070	14.17
63) TP	Tetrachloroethene	0.299	0.338	0.330	0.384	0.395	0.403	0.393	0.398	0.367	10.70
65) TP	trans-1,3-Dichloropropene	0.322	0.385	0.380	0.423	0.435	0.422	0.422	0.418	0.401	9.30
67) TP	Ethyl methacry		0.234	0.243	0.314	0.320	0.312	0.318	0.313	0.293	12.85
68) TP	1,1,2-Trichlor		0.213	0.198	0.206	0.205	0.199	0.201	0.198	0.203	2.74
69) TP	Chlorodibromom		0.298	0.299	0.335	0.341	0.333	0.334	0.328	0.324	5.48
70) TP	1,3-Dichloropr		0.374	0.384	0.423	0.428	0.408	0.409	0.397	0.403	4.88
71) TP	1,2-Dibromoethane		0.223	0.225	0.246	0.253	0.242	0.243	0.235	0.238	4.68
72) TP	2-Hexanone			0.098	0.120	0.127	0.122	0.122	0.119	0.118	8.70
73) TP	Chlorobenzene		0.910	0.891	0.986	0.971	0.969	0.970	0.966	0.952	3.79
74) TP	Ethylbenzene		1.447	1.461	1.615	1.632	1.655	1.654	1.665	1.590	5.94
75) TP	1,1,1,2-Tetrac		0.326	0.331	0.362	0.359	0.353	0.356	0.356	0.349	4.12
76) TP	p/m Xylene		0.543	0.592	0.654	0.661	0.675	0.676	0.687	0.641	8.33
77) TP	o Xylene		0.573	0.573	0.639	0.639	0.655	0.662	0.661	0.629	6.27
78) TP	Styrene		0.814	0.863	1.010	1.062	1.081	1.102	1.102	1.005	11.82
79) I	1,4-Dichlorobenzene-d4	----------ISTD----------									
80) TP	Bromoform		0.326	0.317	0.360	0.377	0.369	0.376	0.372	0.357	6.91
82) TP	Isopropylbenzene		2.635	2.574	2.888	2.970	3.005	2.966	2.987	2.861	6.28
83) S	4-Bromofluorobenzene	0.897	0.888	0.882	0.862	0.873	0.846	0.848	0.828	0.865	2.72
84) TP	Bromobenzene		0.679	0.666	0.723	0.715	0.701	0.705	0.699	0.698	2.83

Initial Calibration Summary
Form 6
Volatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: VOA101**	**Ical Ref**	**: ICAL22345**
Calibration dates	**: 06/05/25 13:54 06/05/25 17:55**		

Calibration Files
L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D
L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
85) TP	n-Propylbenzene		2.958	2.883	3.249	3.387	3.446	3.421	3.454	3.257	7.40
86) TP	1,4-Dichlorobu		0.834	0.699	0.744	0.748	0.726	0.732	0.724	0.744	5.73
87) TP	1,1,2,2-Tetrachloroethane	0.561	0.534	0.468	0.508	0.509	0.482	0.485	0.468	0.502	6.53
88) TP	4-Ethyltoluene		2.470	2.453	2.781	2.859	2.874	2.866	2.878	2.740	7.05
89) TP	2-Chlorotoluene		1.812	1.848	1.950	1.992	1.965	1.988	1.990	1.935	3.82
90) TP	1,3,5-Trimethy		2.135	2.138	2.334	2.404	2.431	2.438	2.491	2.339	6.23
91) TP	1,2,3-Trichlor		0.389	0.354	0.393	0.395	0.385	0.390	0.393	0.386	3.71
92) TP	trans-1,4-Dich		0.084	0.109	0.123	0.126	0.122	0.123	0.122	0.115	13.09
93) TP	4-Chlorotoluene		1.902	1.819	1.952	1.988	1.992	2.012	2.036	1.957	3.83
94) TP	tert-Butylbenzene		1.824	1.763	1.970	2.050	2.081	2.056	2.100	1.978	6.74
97) TP	1,2,4-Trimethy		2.068	2.072	2.257	2.319	2.332	2.353	2.386	2.255	5.87
98) TP	sec-Butylbenzene		2.565	2.265	2.778	2.957	3.013	2.997	3.042	2.802	10.39
99) TP	p-Isopropyltol		2.087	2.046	2.386	2.517	2.561	2.571	2.609	2.397	9.87
100) TP	1,3-Dichlorobe		1.176	1.187	1.303	1.324	1.315	1.338	1.350	1.285	5.61
101) TP	1,4-Dichlorobe		1.335	1.275	1.318	1.327	1.317	1.335	1.343	1.321	1.69
102) TP	p-Diethylbenzene		1.177	1.159	1.363	1.433	1.455	1.473	1.504	1.366	10.41
103) TP	n-Butylbenzene		1.662	1.564	1.849	2.005	2.051	2.062	2.104	1.900	11.26
104) TP	1,2-Dichlorobe		1.083	1.055	1.157	1.173	1.154	1.171	1.180	1.139	4.33
105) TP	1,2,4,5-Tetram		1.750	1.720	1.910	1.975	2.005	2.067	2.057	1.926	7.32
106) TP	1,2-Dibromo-3-		0.059	0.063	0.073	0.078	0.074	0.074	0.072	0.070	9.36
107) TP	1,3,5-Trichlor		0.685	0.713	0.754	0.779	0.770	0.783	0.776	0.751	5.03
108) TP	Hexachlorobuta		0.255	0.242	0.276	0.289	0.296	0.299	0.303	0.280	8.39
109) TP	1,2,4-Trichlor		0.578	0.566	0.621	0.645	0.625	0.644	0.636	0.616	5.16
110) TP	Naphthalene		0.994	1.031	1.152	1.210	1.131	1.156	1.124	1.114	6.77
111) TP	1,2,3-Trichlor		0.446	0.431	0.476	0.496	0.476	0.492	0.482	0.471	5.10

Response Factor Report VOA130

Method Path : K:\VOA130\2025\250521AICAL\
Method File : V130_250521A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 09:12:33 2025
Response Via : Initial Calibration

Calibration Files
L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D
L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.183	0.270	0.246	0.247	0.233	0.238	0.229	0.235	11.31
3)	TP	Chloromethane		0.241	0.299	0.252	0.243	0.222	0.227	0.215	0.243	11.50
4)	TP	Vinyl chloride	0.263	0.201	0.277	0.240	0.235	0.219	0.226	0.215	0.235	10.76
5)	TP	Bromomethane		0.194	0.184	0.149	0.141	0.133	0.144	0.143	0.156	15.14
6)	TP	Chloroethane		0.132	0.163	0.142	0.137	0.127	0.131	0.126	0.137	9.36
7)	TP	Trichlorofluor...		0.245	0.332	0.297	0.296	0.274	0.280	0.269	0.285	9.61
8)	TP	Ethyl ether		0.070	0.091	0.093	0.098	0.095	0.098	0.093	0.091	10.32
10)	TP	1,1-Dichloroet...		0.168	0.221	0.189	0.187	0.175	0.180	0.175	0.185	9.50
11)	TP	Carbon disulfide		0.503	0.607	0.520	0.516	0.483	0.503	0.489	0.517	8.09
12)	TP	Freon-113		0.139	0.188	0.190	0.193	0.182	0.186	0.180	0.180	10.25
13)	TP	Iodomethane		0.284	0.283	0.246	0.257	0.263	0.288	0.280	0.272	5.86
14)	TP	Acrolein		0.033	0.026	0.023	0.022	0.021	0.021	0.020	0.024	19.59
15)	TP	Methylene chlo...		0.240	0.249	0.216	0.205	0.192	0.200	0.191	0.213	10.83
17)	TP	Acetone		0.104	0.055	0.032	0.033	0.030	0.030	0.028	*L	0.9981
18)	TP	trans-1,2-Dich...		0.188	0.232	0.200	0.196	0.185	0.194	0.189	0.198	8.15
19)	TP	Methyl acetate			0.094	0.078	0.080	0.076	0.077	0.074	0.080	9.00
21)	TP	Methyl tert-bu...		0.320	0.336	0.347	0.391	0.420	0.439	0.421	0.382	12.40
22)	TP	tert-Butyl alc...			0.008	0.008	0.009	0.010	0.009	0.009	0.009#	8.68
24)	TP	Diisopropyl ether		0.419	0.459	0.450	0.450	0.448	0.470	0.459	0.451	3.54
25)	TP	1,1-Dichloroet...		0.340	0.425	0.367	0.352	0.327	0.340	0.325	0.354	9.77
26)	TP	Halothane		0.117	0.153	0.151	0.157	0.151	0.158	0.153	0.149	9.66
27)	TP	Acrylonitrile		0.034	0.042	0.041	0.042	0.039	0.040	0.037	0.039	7.04
28)	TP	Ethyl tert-but...		0.373	0.405	0.404	0.415	0.433	0.458	0.450	0.420	7.02
29)	TP	Vinyl acetate			0.170	0.180	0.208	0.231	0.235	0.234	0.210	13.82
30)	TP	cis-1,2-Dichlo...		0.222	0.266	0.228	0.224	0.208	0.218	0.210	0.225	8.65
31)	TP	2,2-Dichloropr...		0.222	0.286	0.279	0.293	0.277	0.288	0.275	0.274	8.67
33)	TP	Bromochloromet...		0.108	0.125	0.111	0.109	0.103	0.107	0.103	0.109	6.79
34)	TP	Cyclohexane		0.230	0.284	0.284	0.312	0.305	0.314	0.303	0.290	10.06
35)	TP	Chloroform		0.365	0.440	0.367	0.358	0.334	0.361	0.346	0.367	9.29
36)	TP	Ethyl acetate			0.082	0.082	0.090	0.094	0.097	0.093	0.090	7.21

Response Factor Report VOA130

Method Path : K:\VOA130\2025\250521AICAL\
Method File : V130_250521A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 09:12:33 2025
Response Via : Initial Calibration

Calibration Files
L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D
L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.208	0.187	0.263	0.258	0.280	0.276	0.288	0.282	0.255	14.57
38)	TP	Tetrahydrofuran		0.034	0.033	0.030	0.032	0.030	0.031	0.029	0.031	5.95
39)	S	Dibromofluorom...	0.333	0.330	0.326	0.314	0.311	0.295	0.296	0.288	0.312	5.59
40)	TP	1,1,1-Trichlor...		0.223	0.290	0.291	0.301	0.290	0.302	0.292	0.284	9.72
42)	TP	2-Butanone			0.040	0.039	0.038	0.040	0.041	0.039	0.040	2.56
43)	TP	1,1-Dichloropr...		0.147	0.206	0.205	0.225	0.235	0.247	0.254	0.217	16.71
45)	TP	Benzene	0.723	0.603	0.711	0.669	0.666	0.681	0.758	0.737	0.694	7.09
46)	TP	tert-Amyl meth...		0.354	0.368	0.366	0.375	0.373	0.391	0.384	0.373	3.25
47)	S	1,2-Dichloroet...	0.268	0.275	0.268	0.273	0.286	0.274	0.272	0.266	0.273	2.33
48)	TP	1,2-Dichloroet...	0.206	0.201	0.223	0.211	0.216	0.207	0.214	0.203	0.210	3.51
51)	TP	Methyl cyclohe...		0.215	0.275	0.275	0.286	0.284	0.299	0.298	0.276	10.42
52)	TP	Trichloroethene	0.179	0.145	0.182	0.170	0.182	0.193	0.207	0.202	0.182#	10.70
54)	TP	Dibromomethane		0.098	0.114	0.104	0.106	0.102	0.107	0.102	0.105	4.57
55)	TP	1,2-Dichloropr...		0.137	0.162	0.162	0.170	0.179	0.188	0.182	0.169#	10.12
57)	TP	2-Chloroethyl ...				0.029	0.036	0.042	0.044	0.045	0.039	17.16
58)	TP	Bromodichlorom...		0.209	0.230	0.232	0.253	0.255	0.267	0.258	0.244#	8.31
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	4.06
62)	TP	cis-1,3-Dichlo...	0.230	0.216	0.256	0.258	0.275	0.288	0.302	0.293	0.265#	11.47
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.344	1.342	1.340	1.327	1.333	1.305	1.298	1.269	1.320	2.02
65)	TP	Toluene		0.508	0.611	0.579	0.568	0.555	0.576	0.563	0.566	5.50
66)	TP	4-Methyl-2-pen...			0.036	0.043	0.045	0.044	0.044	0.041	0.042	7.72
67)	TP	Tetrachloroethene	0.249	0.209	0.275	0.259	0.263	0.262	0.274	0.270	0.258	8.31
69)	TP	trans-1,3-Dich...	0.201	0.218	0.262	0.270	0.287	0.303	0.318	0.314	0.272#	16.00
71)	TP	Ethyl methacry...		0.156	0.168	0.182	0.191	0.187	0.189	0.181	0.179	7.09
72)	TP	1,1,2-Trichlor...		0.120	0.131	0.130	0.133	0.141	0.148	0.148	0.136#	7.67
73)	TP	Chlorodibromom...		0.169	0.188	0.201	0.214	0.234	0.248	0.251	0.215	14.45
74)	TP	1,3-Dichloropr...		0.243	0.275	0.279	0.283	0.294	0.307	0.304	0.284	7.72
75)	TP	1,2-Dibromoethane		0.132	0.155	0.163	0.168	0.172	0.179	0.177	0.164#	9.92
77)	TP	2-Hexanone		0.064	0.068	0.071	0.073	0.071	0.070	0.066	0.069	4.75
78)	T	Chlorobenzene		0.579	0.688	0.646	0.631	0.628	0.660	0.650	0.640	5.25

Response Factor Report VOA130

Method Path : K:\VOA130\2025\250521AICAL\
Method File : V130_250521A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 09:12:33 2025
Response Via : Initial Calibration

Calibration Files
L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D
L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		0.934	1.161	1.084	1.071	1.045	1.091	1.079	1.066	6.42
80)	T	1,1,1,2-Tetrac...		0.177	0.207	0.210	0.217	0.224	0.237	0.243	0.217	10.10
81)	TP	p/m Xylene		0.378	0.497	0.445	0.434	0.422	0.442	0.438	0.437	8.04
82)	TP	o Xylene		0.383	0.481	0.435	0.424	0.411	0.429	0.427	0.427	6.94
83)	TP	Styrene		0.633	0.767	0.717	0.704	0.683	0.712	0.688	0.701	5.81
84)	I	1,4-Dichlorobenzene-d4	----------ISTD----------									
85)	TP	Bromoform		0.174	0.186	0.212	0.227	0.231	0.241	0.251	0.217	13.13
87)	TP	Isopropylbenzene		1.532	1.996	1.862	1.871	1.796	1.867	1.869	1.828	7.85
88)	S	4-Bromofluorob...	0.841	0.835	0.819	0.798	0.806	0.775	0.766	0.776	0.802	3.53
89)	TP	Bromobenzene		0.475	0.500	0.483	0.481	0.465	0.486	0.493	0.483	2.39
90)	TP	n-Propylbenzene		1.763	2.314	2.168	2.171	2.095	2.147	2.113	2.110	7.99
91)	TP	1,4-Dichlorobu...		0.460	0.430	0.430	0.439	0.415	0.418	0.412	0.429	3.90
92)	TP	1,1,2,2-Tetrac...	0.317	0.286	0.288	0.299	0.309	0.301	0.302	0.301	0.300	3.40
93)	TP	4-Ethyltoluene		1.487	1.884	1.864	1.860	1.809	1.858	1.832	1.799	7.77
94)	TP	2-Chlorotoluene		1.176	1.392	1.300	1.320	1.208	1.263	1.256	1.274	5.66
95)	TP	1,3,5-Trimethy...		1.169	1.471	1.433	1.522	1.570	1.628	1.620	1.488	10.62
96)	TP	1,2,3-Trichlor...		0.240	0.230	0.236	0.248	0.237	0.242	0.241	0.239	2.35
97)	TP	trans-1,4-Dich...			0.060	0.069	0.075	0.074	0.075	0.073	0.071	8.41
98)	TP	4-Chlorotoluene		1.239	1.467	1.366	1.357	1.312	1.347	1.342	1.347	5.06
99)	TP	tert-Butylbenzene		1.138	1.480	1.391	1.369	1.346	1.395	1.388	1.358	7.76
102)	TP	1,2,4-Trimethy...		1.085	1.359	1.364	1.459	1.549	1.634	1.614	1.438	13.27
103)	TP	sec-Butylbenzene		1.504	2.028	1.953	1.940	1.908	1.971	1.949	1.893	9.27
104)	TP	p-Isopropyltol...		1.282	1.690	1.640	1.701	1.722	1.799	1.772	1.658	10.48
105)	TP	1,3-Dichlorobe...		0.876	0.993	0.936	0.939	0.927	0.967	0.974	0.945	4.05
106)	TP	1,4-Dichlorobe...		0.931	1.004	0.943	0.936	0.930	0.972	0.968	0.955	2.90
107)	TP	p-Diethylbenzene		0.687	0.907	0.890	0.960	1.033	1.104	1.108	0.956	15.40
108)	TP	n-Butylbenzene		0.928	1.237	1.239	1.334	1.402	1.481	1.438	1.294	14.44
109)	TP	1,2-Dichlorobe...		0.816	0.915	0.871	0.873	0.865	0.898	0.895	0.876	3.67
110)	TP	1,2,4,5-Tetram...		1.131	1.245	1.232	1.326	1.478	1.609	1.618	1.377	14.03
111)	TP	1,2-Dibromo-3-...		0.044	0.051	0.053	0.055	0.056	0.057	0.057	0.053	8.38
112)	TP	1,3,5-Trichlor...		0.508	0.591	0.578	0.625	0.686	0.733	0.742	0.638	13.59

Method Path : K:\VOA130\2025\250521AICAL\
Method File : V130_250521A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 09:12:33 2025
Response Via : Initial Calibration

Calibration Files
L11 =V30250521A03.D L1 =V30250521A05.D L2 =V30250521A07.D L3 =V30250521A09.D L4 =V30250521A10.D
L6 =V30250521A11.D L8 =V30250521A12.D L10 =V30250521A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113) TP	Hexachlorobuta...	0.203	0.244	0.227	0.235	0.248	0.261	0.267	0.241		8.98
114) TP	1,2,4-Trichlor...	0.521	0.547	0.530	0.551	0.590	0.621	0.633	0.570		7.78
115) TP	Naphthalene	1.106	1.085	1.089	1.100	1.124	1.148	1.135	1.113		2.15
116) TP	1,2,3-Trichlor...	0.523	0.536	0.523	0.516	0.533	0.549	0.550	0.533		2.49

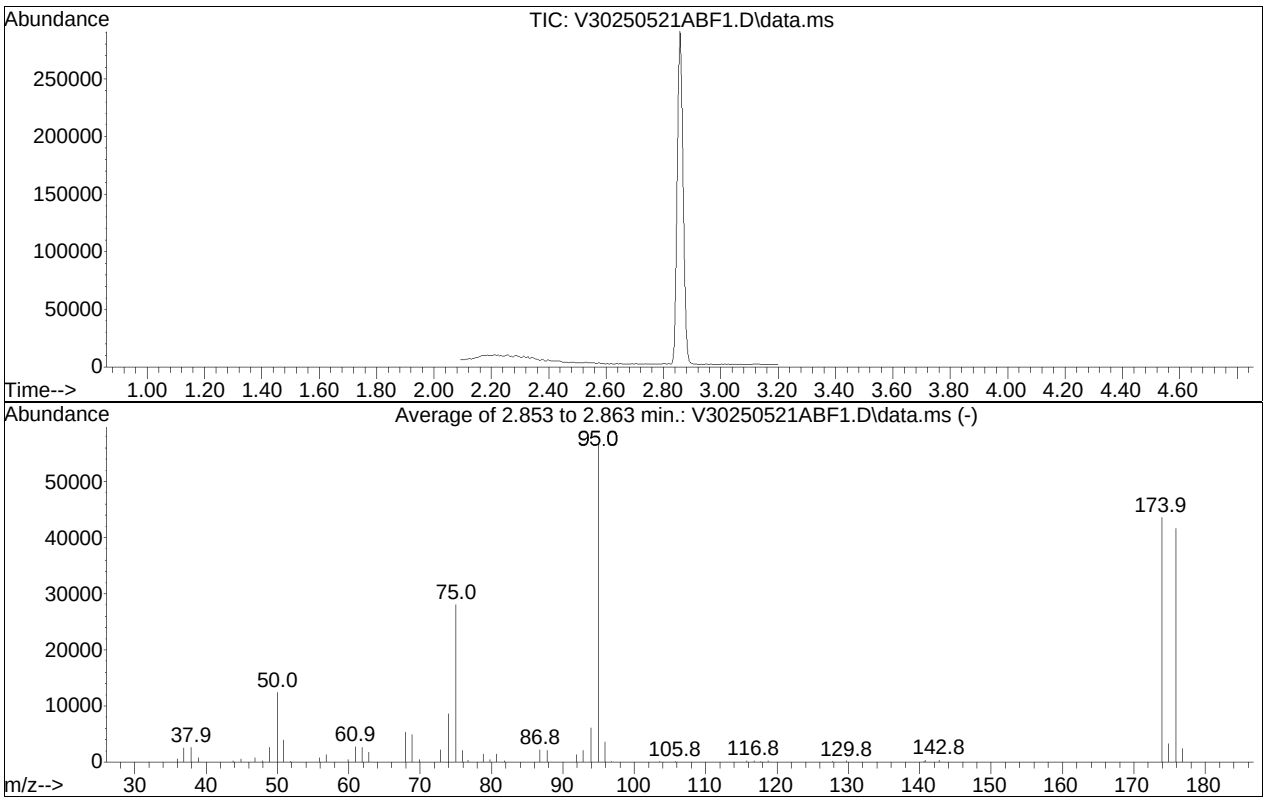
(#) = Out of Range

BFB

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521ABF1.D
Acq On : 21 May 2025 01:50 am
Operator : VOA130:KJD
Sample : WG2069452-1
Misc : WG2069452
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA133\2025\250516N\V133_250312B_8260.m
Title : VOLATILES BY GC/MS
Last Update : Mon Apr 28 12:16:04 2025



AutoFind: Scans 146, 147, 148; Background Corrected with Scan 139

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.8	12434	PASS
75	95	30	60	49.3	28056	PASS
95	95	100	100	100.0	56947	PASS
96	95	5	9	6.4	3639	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	76.6	43603	PASS
175	174	5	9	7.7	3356	PASS
176	174	95	101	95.6	41699	PASS
177	176	5	9	5.8	2402	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A03.D
Acq On : 21 May 2025 02:55 am
Operator : VOA130:KJD
Sample : I8260STD0.19PPB
Misc : WG2069452
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 10:29:21 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	332586	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery =	93.58%		
63) Chlorobenzene-d5	9.594	117	267617	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery =	96.33%		
84) 1,4-Dichlorobenzene-d4	12.294	152	154724	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery =	96.19%		
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	110885	10.623	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.23%		
47) 1,2-Dichloroethane-d4	5.762	65	89034	9.820	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.20%		
64) Toluene-d8	7.747	98	359773	10.134	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.34%		
88) 4-Bromofluorobenzene	11.080	95	130117	10.544	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.44%		
Target Compounds						Qvalue
4) Vinyl chloride	1.919	62	1664	0.208	ug/L	89
37) Carbon tetrachloride	5.198	117	1317	0.154	ug/L #	59
45) Benzene	5.632	78	4569	0.205	ug/L #	80
48) 1,2-Dichloroethane	5.824	62	1303	0.186	ug/L #	90
52) Trichloroethene	6.234	95	1133	0.200	ug/L #	87
62) cis-1,3-Dichloropropene	7.541	75	1456	0.169	ug/L	93
67) Tetrachloroethene	8.260	166	1268	0.183	ug/L #	84
69) trans-1,3-Dichloropropene	8.294	75	1020	0.141	ug/L	95
92) 1,1,2,2-Tetrachloroethane	11.327	83	931	0.201	ug/L #	93

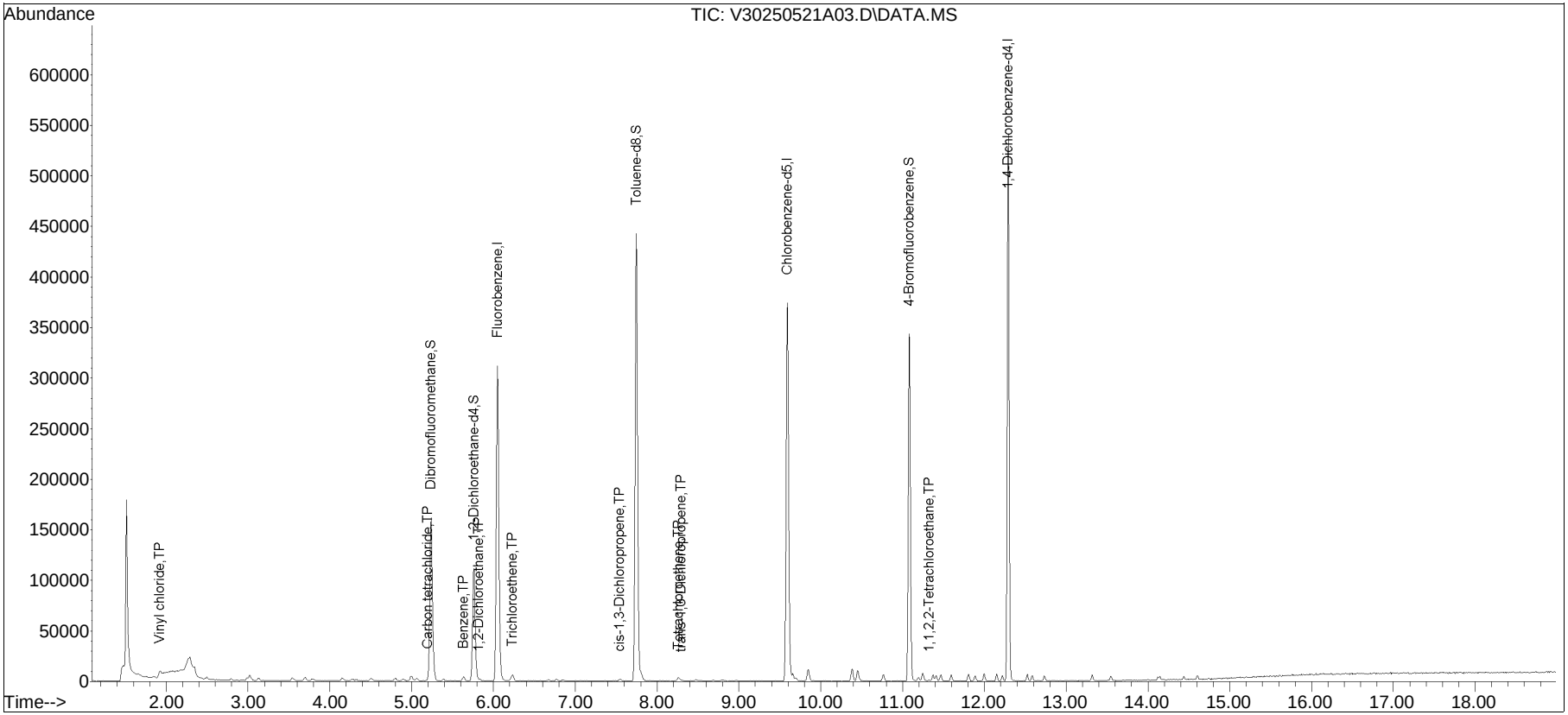
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A03.D
Acq On : 21 May 2025 02:55 am
Operator : VOA130:KJD
Sample : I8260STD0.19PPB
Misc : WG2069452
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 21 10:29:21 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

Sub List : 8260-L11_NJnew - L11 new NJCAL\V30250521A09.D•



Manual Integration Report

Data Path	: K:\VOA130\2025\250521AICALQ	Method	: V130_250521A_8260D.m
Data File	: V30250521A03.D	Operator	: VOA130:KJD
Date Inj'd	: 5/21/2025 2:55 am	Instrument	: VOA130
Sample	: I8260STD0.19PPB	Quant Date	: 5/21/2025 10:23 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A05.D
Acq On : 21 May 2025 03:39 am
Operator : VOA130:KJD
Sample : I8260STD0.5PPB
Misc : WG2069452
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 09:05:18 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.050	96	334722	10.000 ug/L	0.00
Standard Area 1 = 355412			Recovery = 94.18%		
63) Chlorobenzene-d5	9.594	117	265025	10.000 ug/L	# 0.00
Standard Area 1 = 277812			Recovery = 95.40%		
84) 1,4-Dichlorobenzene-d4	12.294	152	153004	10.000 ug/L	0.00
Standard Area 1 = 160855			Recovery = 95.12%		
System Monitoring Compounds					
39) Dibromofluoromethane	5.238	113	110623	10.530 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.30%		
47) 1,2-Dichloroethane-d4	5.762	65	92205	10.105 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.05%		
64) Toluene-d8	7.747	98	355716	10.118 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.18%		
88) 4-Bromofluorobenzene	11.080	95	127825	10.474 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.74%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.660	85	3061	0.372 ug/L #	93
3) Chloromethane	1.846	50	4039	0.479 ug/L #	97
4) Vinyl chloride	1.919	62	3371	0.419 ug/L	97
5) Bromomethane	2.238	94	3247	0.649 ug/L	86
6) Chloroethane	2.351	64	2216	0.468 ug/L	98
7) Trichlorofluoromethane	2.498	101	4093	0.411 ug/L	99
8) Ethyl ether	2.790	74	1179	0.381 ug/L #	75
10) 1,1-Dichloroethene	2.990	96	2808	0.443 ug/L #	63
11) Carbon disulfide	3.016	76	8418	0.484 ug/L	98
12) Freon-113	3.023	101	2328	0.366 ug/L	84
13) Iodomethane	3.130	142	4745	0.575 ug/L	94
14) Acrolein	3.302	56	554	0.716 ug/L #	24
15) Methylene chloride	3.542	84	4016	0.555 ug/L #	68
17) Acetone	3.568	43	1746	1.632 ug/L #	57
18) trans-1,2-Dichloroethene	3.695	96	3141	0.469 ug/L #	72
19) Methyl acetate	3.701	43	2526	0.963 ug/L #	81
21) Methyl tert-butyl ether	3.795	73	5354	0.461 ug/L	88
22) tert-Butyl alcohol	0.000		0	N.D. d	
24) Diisopropyl ether	4.154	45	7012	0.465 ug/L	85
25) 1,1-Dichloroethane	4.280	63	5687	0.463 ug/L #	95
26) Halothane	4.333	117	1952	0.387 ug/L	95

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A05.D
Acq On : 21 May 2025 03:39 am
Operator : VOA130:KJD
Sample : I8260STD0.5PPB
Misc : WG2069452
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 09:05:18 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.327	53	569	0.412	ug/L	#	56
28) Ethyl tert-butyl ether	4.500	59	6242	0.461	ug/L		78
29) Vinyl acetate	0.000		0	N.D.	d		
30) cis-1,2-Dichloroethene	4.799	96	3711	0.485	ug/L	#	75
31) 2,2-Dichloropropane	4.892	77	3718	0.398	ug/L		91
33) Bromochloromethane	4.985	128	1808	0.485	ug/L	#	56
34) Cyclohexane	5.005	56	3854	0.406	ug/L		95
35) Chloroform	5.058	83	6111	0.498	ug/L	#	90
36) Ethyl acetate	0.000		0	N.D.	d		
37) Carbon tetrachloride	5.205	117	3136	0.364	ug/L	#	87
38) Tetrahydrofuran	5.218	42	573	0.561	ug/L	#	69
40) 1,1,1-Trichloroethane	5.264	97	3724	0.382	ug/L	#	88
42) 2-Butanone	0.000		0	N.D.	d		
43) 1,1-Dichloropropene	5.391	75	2458	0.358	ug/L		92
45) Benzene	5.632	78	10086	0.450	ug/L		93
46) tert-Amyl methyl ether	5.749	73	5930	0.483	ug/L		95
48) 1,2-Dichloroethane	5.831	62	3367	0.478	ug/L	#	97
51) Methyl cyclohexane	6.228	83	3591	0.391	ug/L		94
52) Trichloroethene	6.241	95	2419	0.425	ug/L		94
54) Dibromomethane	6.672	93	1646	0.471	ug/L	#	73
55) 1,2-Dichloropropane	6.775	63	2301	0.425	ug/L		92
57) 2-Chloroethyl vinyl ether	0.000		0	N.D.			
58) Bromodichloromethane	6.850	83	3506	0.451	ug/L	#	97
61) 1,4-Dioxane	7.056	88	3763	89.740	ug/L		92
62) cis-1,3-Dichloropropene	7.541	75	3618	0.418	ug/L		88
65) Toluene	7.808	92	6732	0.439	ug/L		98
66) 4-Methyl-2-pentanone	0.000		0	N.D.	d		
67) Tetrachloroethene	8.260	166	2769	0.403	ug/L	#	83
69) trans-1,3-Dichloropropene	8.294	75	2887	0.403	ug/L	#	83
71) Ethyl methacrylate	8.492	69	2070	0.428	ug/L	#	75
72) 1,1,2-Trichloroethane	8.472	83	1592	0.462	ug/L		93
73) Chlorodibromomethane	8.691	129	2239	0.420	ug/L	#	96
74) 1,3-Dichloropropane	8.794	76	3218	0.436	ug/L		98
75) 1,2-Dibromoethane	8.971	107	1750	0.405	ug/L		95
77) 2-Hexanone	9.259	43	844	0.449	ug/L	#	47
78) Chlorobenzene	9.615	112	7668	0.448	ug/L	#	81
79) Ethylbenzene	9.656	91	12373	0.431	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.697	131	2351	0.422	ug/L	#	64
81) p/m Xylene	9.847	106	10026	0.851	ug/L		93
82) o Xylene	10.381	106	10144	0.879	ug/L		91

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A05.D
Acq On : 21 May 2025 03:39 am
Operator : VOA130:KJD
Sample : I8260STD0.5PPB
Misc : WG2069452
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 09:05:18 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.449	104	16765	0.883	ug/L		89
85) Bromoform	10.470	173	1328	0.410	ug/L		92
87) Isopropylbenzene	10.764	105	11718	0.411	ug/L		97
89) Bromobenzene	11.197	156	3635	0.492	ug/L		92
90) n-Propylbenzene	11.245	91	13487	0.407	ug/L		92
91) 1,4-Dichlorobutane	11.252	55	3518	0.535	ug/L	#	89
92) 1,1,2,2-Tetrachloroethane	11.327	83	2185	0.478	ug/L	#	97
93) 4-Ethyltoluene	11.368	105	11374	0.399	ug/L		95
94) 2-Chlorotoluene	11.409	91	8996M6	0.452	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	8943	0.408	ug/L		95
96) 1,2,3-Trichloropropane	11.464	75	1839	0.510	ug/L		91
97) trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d		
98) 4-Chlorotoluene	11.595	91	9478	0.453	ug/L		93
99) tert-Butylbenzene	11.807	119	8708	0.409	ug/L		89
102) 1,2,4-Trimethylbenzene	11.890	105	8304	0.398	ug/L		96
103) sec-Butylbenzene	11.999	105	11508	0.385	ug/L		95
104) p-Isopropyltoluene	12.150	119	9810	0.391	ug/L		93
105) 1,3-Dichlorobenzene	12.219	146	6703	0.468	ug/L		95
106) 1,4-Dichlorobenzene	12.308	146	7126M3	0.494	ug/L		
107) p-Diethylbenzene	12.528	119	5258	0.386	ug/L		92
108) n-Butylbenzene	12.582	91	7096	0.374	ug/L		94
109) 1,2-Dichlorobenzene	12.733	146	6239	0.468	ug/L		95
110) 1,2,4,5-Tetramethylben...	13.316	119	8649	0.459	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.509	155	340	0.418	ug/L		91
112) 1,3,5-Trichlorobenzene	13.550	180	3886	0.439	ug/L		92
113) Hexachlorobutadiene	14.119	225	1555	0.447	ug/L	#	84
114) 1,2,4-Trichlorobenzene	14.147	180	3987	0.492	ug/L		94
115) Naphthalene	14.435	128	8459	0.507	ug/L		100
116) 1,2,3-Trichlorobenzene	14.606	180	3998	0.500	ug/L		95

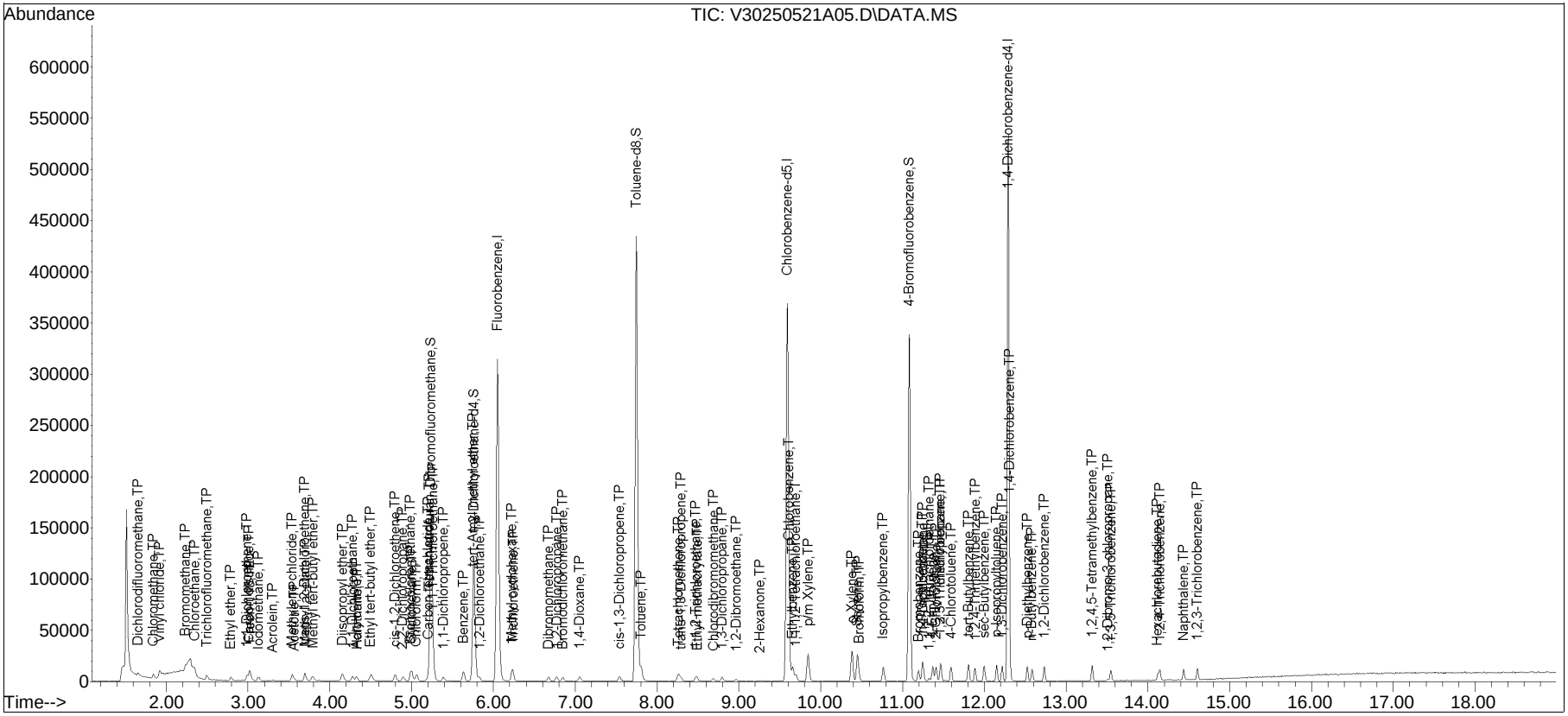
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A05.D
Acq On : 21 May 2025 03:39 am
Operator : VOA130:KJD
Sample : I8260STD0.5PPB
Misc : WG2069452
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 09:05:18 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

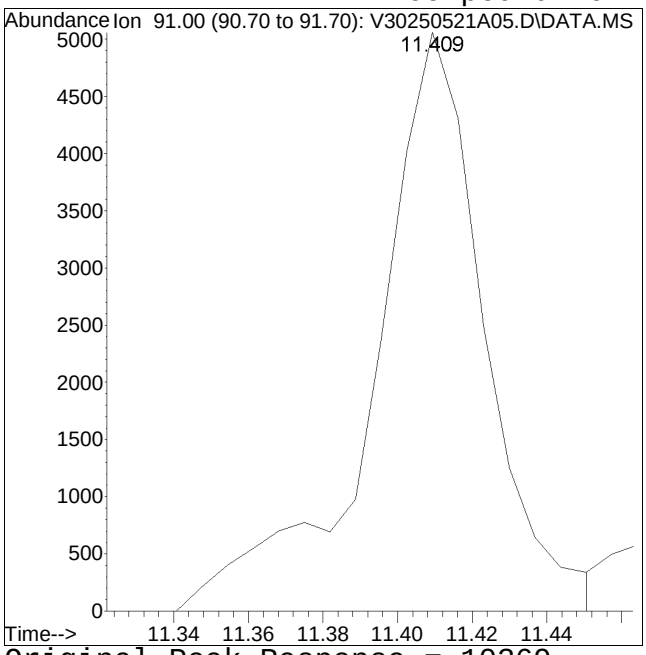
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•



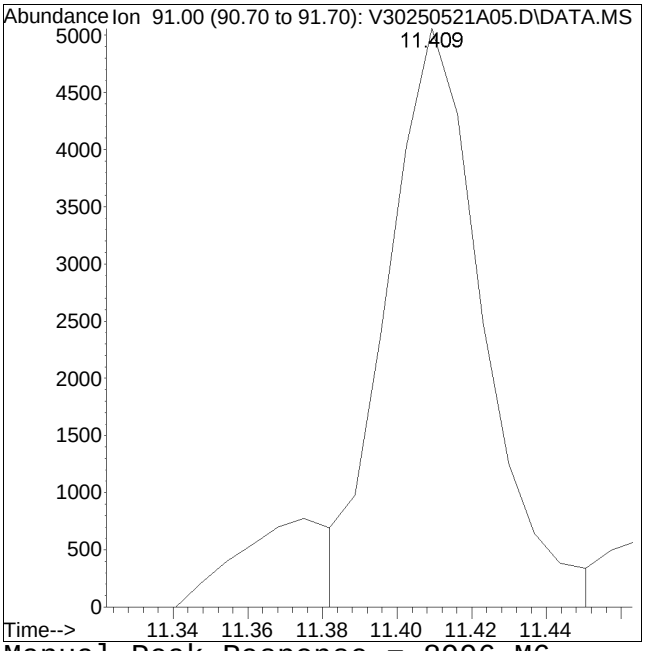
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A05.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 3:39 am Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 5/21/2025 10:23 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 10369



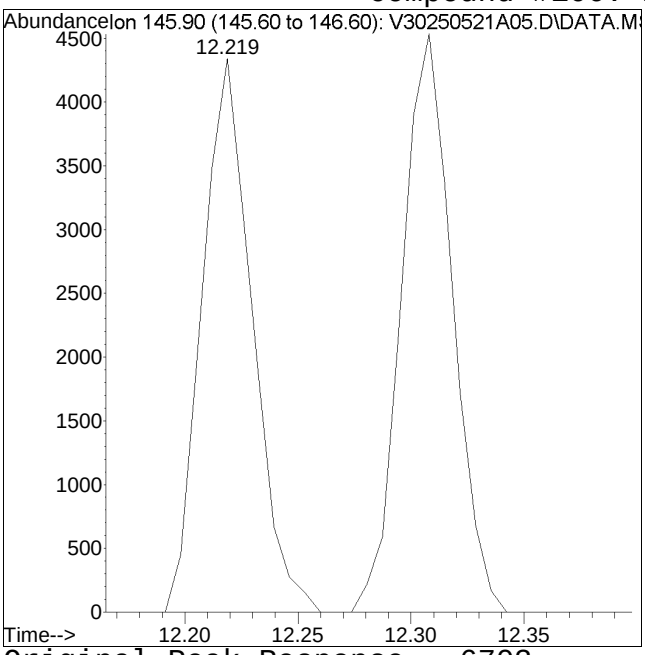
Manual Peak Response = 8996 M6

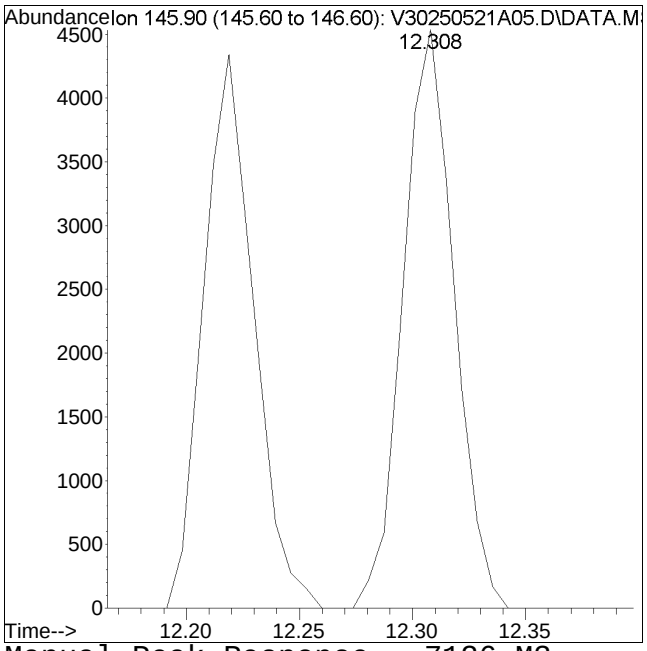
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A05.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 3:39 am Instrument : VOA130
Sample : I8260STD0.5PPB Quant Date : 5/21/2025 10:23 am

Compound #106: 1,4-Dichlorobenzene





Original Peak Response = 6703 Manual Peak Response = 7126 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A07.D
Acq On : 21 May 2025 04:22 am
Operator : VOA130:KJD
Sample : I8260STD2PPB
Misc : WG2069452
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:43:12 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	332720	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 93.62%			
63) Chlorobenzene-d5	9.594	117	264190	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 95.10%			
84) 1,4-Dichlorobenzene-d4	12.294	152	157123	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 97.68%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	108315	10.372	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.72%			
47) 1,2-Dichloroethane-d4	5.762	65	89253	9.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%			
64) Toluene-d8	7.746	98	353964	10.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.00%			
88) 4-Bromofluorobenzene	11.080	95	128747	10.273	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.73%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.660	85	17972	2.200	ug/L	95
3) Chloromethane	1.846	50	19874	2.370	ug/L	99
4) Vinyl chloride	1.919	62	18449	2.310	ug/L	98
5) Bromomethane	2.232	94	12264	2.467	ug/L	88
6) Chloroethane	2.351	64	10861	2.306	ug/L	96
7) Trichlorofluoromethane	2.498	101	22100	2.234	ug/L	97
8) Ethyl ether	2.790	74	6061	1.969	ug/L	77
10) 1,1-Dichloroethene	2.990	96	14713	2.335	ug/L #	67
11) Carbon disulfide	3.023	76	40411	2.335	ug/L	100
12) Freon-113	3.023	101	12524	1.982	ug/L #	77
13) Iodomethane	3.129	142	18833	2.297	ug/L	99
14) Acrolein	3.302	56	1732M3	2.251	ug/L	
15) Methylene chloride	3.542	84	16587	2.306	ug/L	74
17) Acetone	3.575	43	3635	3.417	ug/L	91
18) trans-1,2-Dichloroethene	3.695	96	15455	2.319	ug/L	77
19) Methyl acetate	3.695	43	6265	2.403	ug/L #	92
21) Methyl tert-butyl ether	3.788	73	22347	1.935	ug/L	96
22) tert-Butyl alcohol	3.868	59	2524	8.936	ug/L #	88
24) Diisopropyl ether	4.154	45	30571	2.041	ug/L #	94
25) 1,1-Dichloroethane	4.280	63	28266	2.317	ug/L #	97
26) Halothane	4.326	117	10214	2.036	ug/L	100

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A07.D
Acq On : 21 May 2025 04:22 am
Operator : VOA130:KJD
Sample : I8260STD2PPB
Misc : WG2069452
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:43:12 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.313	53	2764	2.013	ug/L		92
28) Ethyl tert-butyl ether	4.499	59	26972	2.006	ug/L	#	70
29) Vinyl acetate	4.513	43	11287	1.889	ug/L		100
30) cis-1,2-Dichloroethene	4.799	96	17726	2.332	ug/L	#	74
31) 2,2-Dichloropropane	4.898	77	18999	2.047	ug/L		82
33) Bromochloromethane	4.992	128	8290	2.236	ug/L	#	52
34) Cyclohexane	4.998	56	18919	2.006	ug/L		76
35) Chloroform	5.058	83	29283	2.400	ug/L	#	91
36) Ethyl acetate	5.178	43	5459	2.011	ug/L	#	92
37) Carbon tetrachloride	5.204	117	17500	2.042	ug/L		97
38) Tetrahydrofuran	5.211	42	2211M6	2.179	ug/L		
40) 1,1,1-Trichloroethane	5.264	97	19326	1.994	ug/L		90
42) 2-Butanone	5.357	43	2676M3	2.063	ug/L		
43) 1,1-Dichloropropene	5.391	75	13718	2.012	ug/L		90
45) Benzene	5.632	78	47313	2.125	ug/L		93
46) tert-Amyl methyl ether	5.742	73	24485	2.008	ug/L		94
48) 1,2-Dichloroethane	5.831	62	14847	2.119	ug/L	#	96
51) Methyl cyclohexane	6.227	83	18327	2.007	ug/L		84
52) Trichloroethene	6.234	95	12114	2.141	ug/L		90
54) Dibromomethane	6.672	93	7567	2.177	ug/L	#	82
55) 1,2-Dichloropropane	6.768	63	10780	2.003	ug/L		97
57) 2-Chloroethyl vinyl ether	7.466	63	1377	1.425	ug/L	#	80
58) Bromodichloromethane	6.843	83	15310	1.979	ug/L	#	98
61) 1,4-Dioxane	7.049	88	15228	365.344	ug/L	#	87
62) cis-1,3-Dichloropropene	7.541	75	17065	1.985	ug/L	#	82
65) Toluene	7.808	92	32300	2.113	ug/L		99
66) 4-Methyl-2-pentanone	8.239	58	1904	1.690	ug/L	#	90
67) Tetrachloroethene	8.260	166	14544	2.122	ug/L	#	88
69) trans-1,3-Dichloropropene	8.287	75	13825	1.938	ug/L	#	78
71) Ethyl methacrylate	8.485	69	8869	1.840	ug/L	#	81
72) 1,1,2-Trichloroethane	8.472	83	6915	2.012	ug/L		97
73) Chlorodibromomethane	8.684	129	9946	1.872	ug/L	#	97
74) 1,3-Dichloropropane	8.793	76	14521	1.972	ug/L		99
75) 1,2-Dibromoethane	8.964	107	8177	1.899	ug/L		100
77) 2-Hexanone	9.252	43	3617	1.929	ug/L		90
78) Chlorobenzene	9.614	112	36343	2.131	ug/L		93
79) Ethylbenzene	9.656	91	61339	2.142	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.697	131	10928	1.967	ug/L		97
81) p/m Xylene	9.840	106	52543	4.472	ug/L		88
82) o Xylene	10.381	106	50879	4.425	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A07.D
Acq On : 21 May 2025 04:22 am
Operator : VOA130:KJD
Sample : I8260STD2PPB
Misc : WG2069452
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:43:12 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.449	104	81088	4.283	ug/L		90
85) Bromoform	10.470	173	5850	1.757	ug/L		97
87) Isopropylbenzene	10.764	105	62738	2.144	ug/L		96
89) Bromobenzene	11.196	156	15726	2.072	ug/L		99
90) n-Propylbenzene	11.244	91	72709	2.135	ug/L		93
91) 1,4-Dichlorobutane	11.251	55	13523	2.002	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.320	83	9043	1.927	ug/L	#	98
93) 4-Ethyltoluene	11.368	105	59200	2.022	ug/L		95
94) 2-Chlorotoluene	11.409	91	43753M6	2.142	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	46241	2.053	ug/L		95
96) 1,2,3-Trichloropropane	11.464	75	7219	1.948	ug/L		84
97) trans-1,4-Dichloro-2-b...	11.512	53	1878	1.741	ug/L	#	86
98) 4-Chlorotoluene	11.587	91	46109	2.148	ug/L		91
99) tert-Butylbenzene	11.807	119	46494	2.128	ug/L		90
102) 1,2,4-Trimethylbenzene	11.882	105	42691	1.992	ug/L		95
103) sec-Butylbenzene	11.999	105	63738	2.077	ug/L		93
104) p-Isopropyltoluene	12.150	119	53095	2.060	ug/L		94
105) 1,3-Dichlorobenzene	12.219	146	31193	2.121	ug/L		96
106) 1,4-Dichlorobenzene	12.308	146	31564	2.130	ug/L		98
107) p-Diethylbenzene	12.527	119	28488	2.036	ug/L		94
108) n-Butylbenzene	12.582	91	38873	1.997	ug/L	#	95
109) 1,2-Dichlorobenzene	12.733	146	28760	2.101	ug/L		95
110) 1,2,4,5-Tetramethylben...	13.316	119	39116	2.021	ug/L		95
111) 1,2-Dibromo-3-chloropr...	13.508	155	1597	1.910	ug/L		100
112) 1,3,5-Trichlorobenzene	13.543	180	18584	2.046	ug/L		94
113) Hexachlorobutadiene	14.126	225	7654	2.143	ug/L		98
114) 1,2,4-Trichlorobenzene	14.146	180	17180	2.064	ug/L		98
115) Naphthalene	14.434	128	34096	1.992	ug/L		100
116) 1,2,3-Trichlorobenzene	14.606	180	16849	2.050	ug/L		97

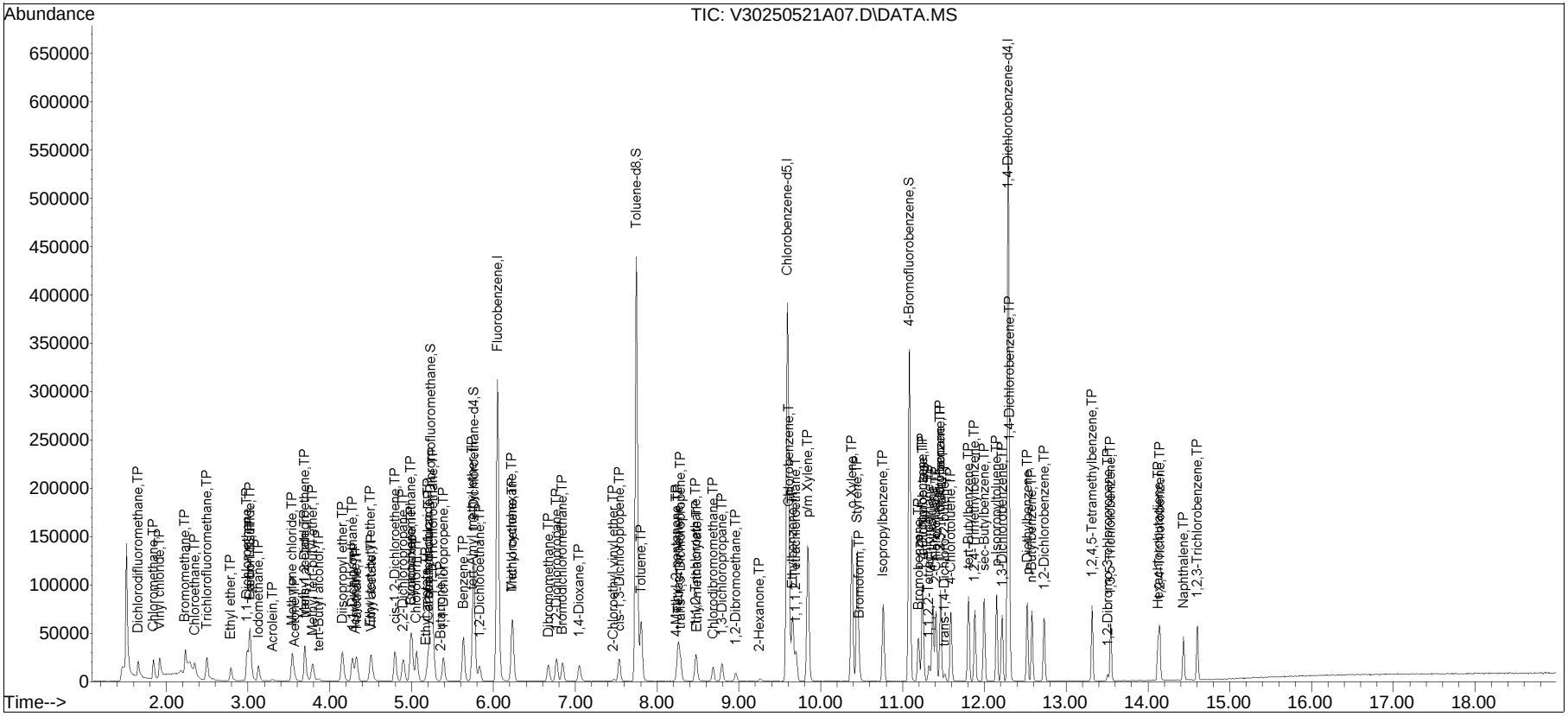
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A07.D
Acq On : 21 May 2025 04:22 am
Operator : VOA130:KJD
Sample : I8260STD2PPB
Misc : WG2069452
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 21 10:43:12 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

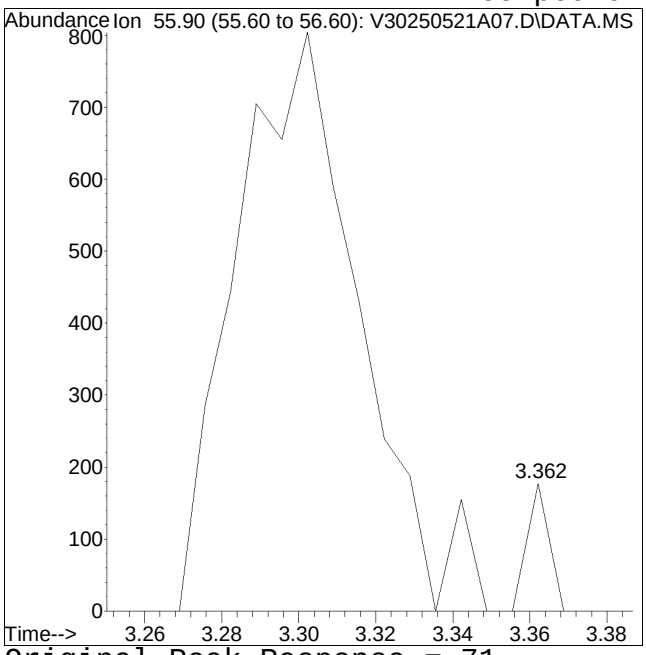
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•

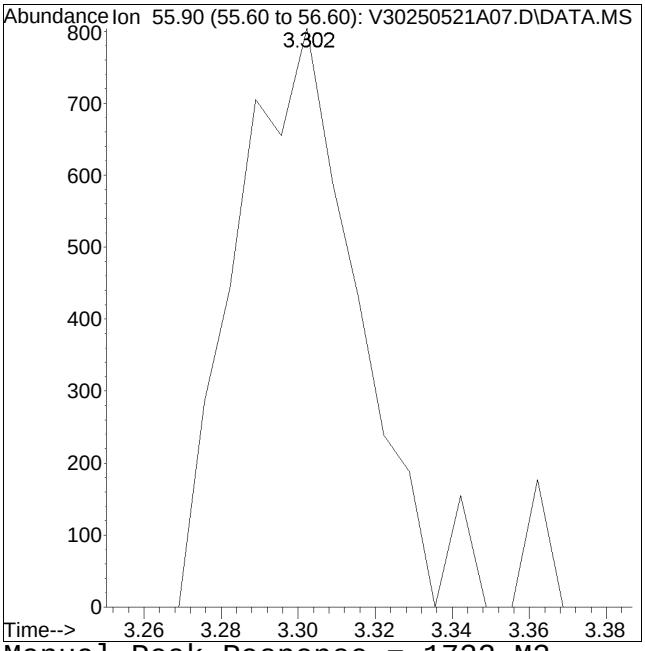


Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A07.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 4:22 am Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 5/21/2025 10:24 am

Compound #14: Acrolein





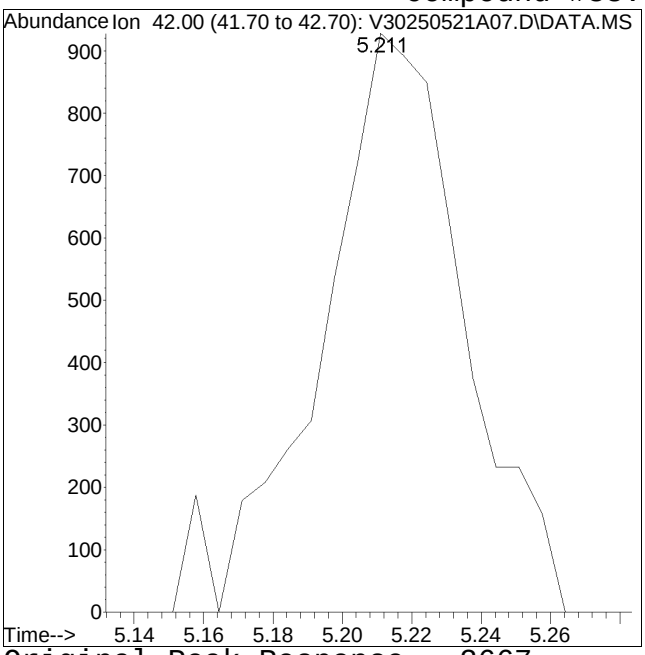
Original Peak Response = 71 Manual Peak Response = 1732 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

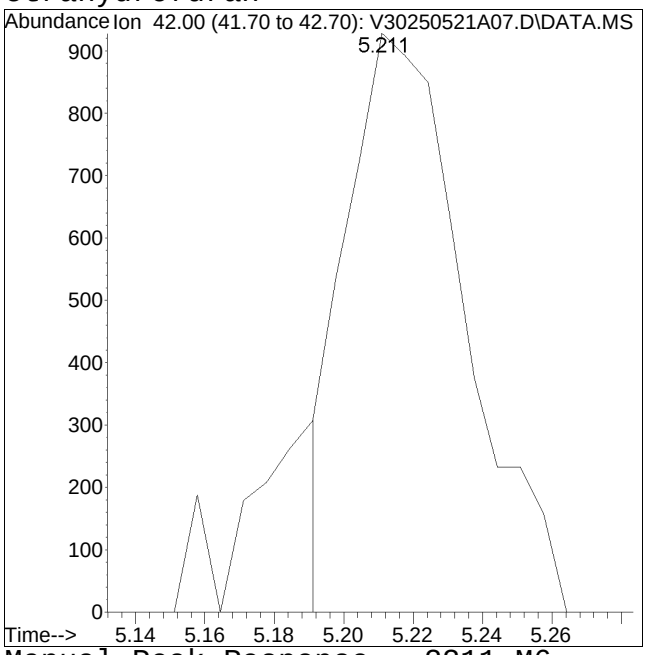
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A07.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 4:22 am Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 5/21/2025 10:24 am

Compound #38: Tetrahydrofuran



Original Peak Response = 2667



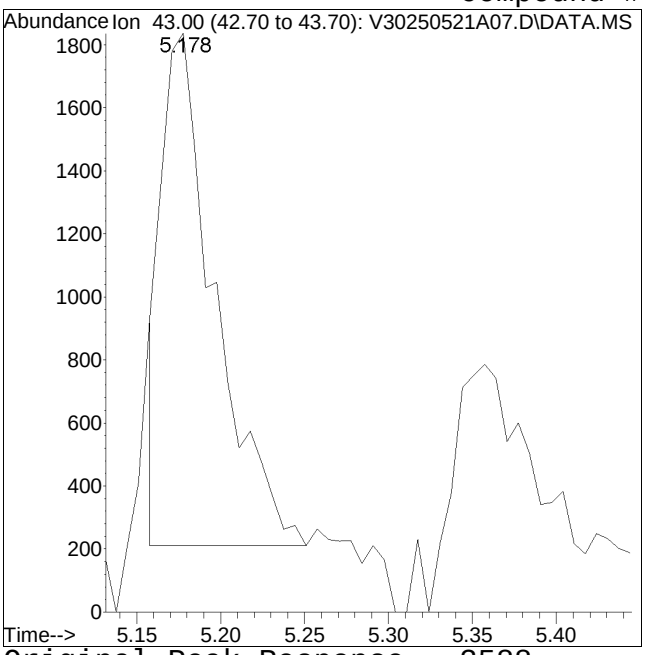
Manual Peak Response = 2211 M6

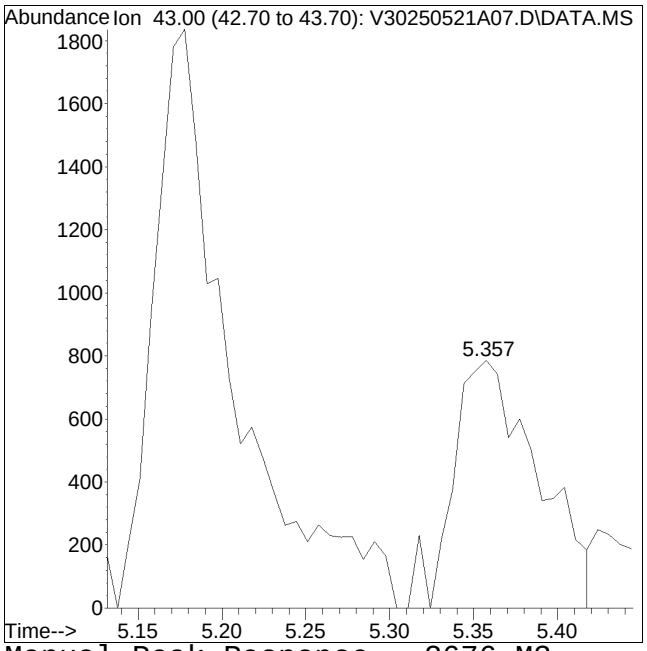
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A07.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 4:22 am Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 5/21/2025 10:24 am

Compound #42: 2-Butanone





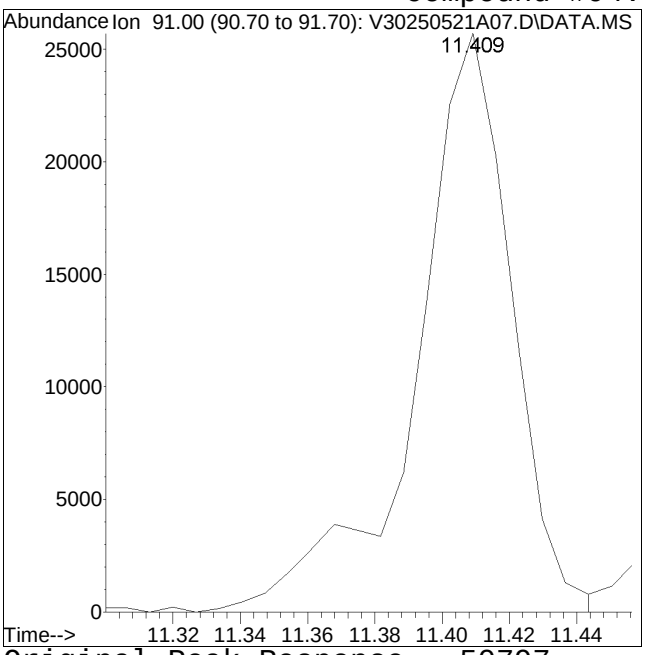
Original Peak Response = 3588 Manual Peak Response = 2676 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

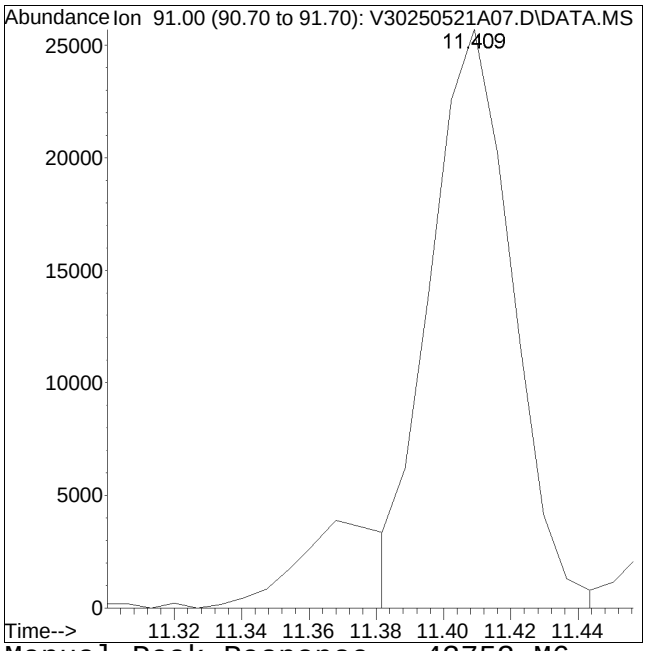
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A07.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 4:22 am Instrument : VOA130
Sample : I8260STD2PPB Quant Date : 5/21/2025 10:24 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 50797



Manual Peak Response = 43753 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A09.D
Acq On : 21 May 2025 05:06 am
Operator : VOA130:KJD
Sample : I8260STD10PPB
Misc : WG2069452
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 21 10:22:09 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	355412	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 100.00%			
63) Chlorobenzene-d5	9.594	117	277812	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.294	152	160855	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.238	113	111548	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
47) 1,2-Dichloroethane-d4	5.762	65	96887	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
64) Toluene-d8	7.747	98	368536	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
88) 4-Bromofluorobenzene	11.087	95	128297	10.000	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.653	85	87275	10.000	ug/L	95
3) Chloromethane	1.846	50	89576	10.000	ug/L	97
4) Vinyl chloride	1.919	62	85331	10.000	ug/L	99
5) Bromomethane	2.232	94	53110	10.000	ug/L	96
6) Chloroethane	2.351	64	50306	10.000	ug/L	97
7) Trichlorofluoromethane	2.498	101	105650	10.000	ug/L	97
8) Ethyl ether	2.790	74	32885	10.000	ug/L	79
10) 1,1-Dichloroethene	2.990	96	67318	10.000	ug/L #	68
11) Carbon disulfide	3.016	76	184832	10.000	ug/L	99
12) Freon-113	3.030	101	67509	10.000	ug/L #	78
13) Iodomethane	3.129	142	87589	10.000	ug/L	99
14) Acrolein	3.296	56	8220	10.000	ug/L	95
15) Methylene chloride	3.542	84	76846	10.000	ug/L	74
17) Acetone	3.568	43	11363	10.000	ug/L #	85
18) trans-1,2-Dichloroethene	3.695	96	71177	10.000	ug/L	78
19) Methyl acetate	3.695	43	27845	10.000	ug/L #	81
21) Methyl tert-butyl ether	3.788	73	123363	10.000	ug/L	90
22) tert-Butyl alcohol	3.868	59	15085	50.000	ug/L #	84
24) Diisopropyl ether	4.154	45	160039	10.000	ug/L #	93
25) 1,1-Dichloroethane	4.273	63	130293	10.000	ug/L #	96
26) Halothane	4.327	117	53595	10.000	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A09.D
Acq On : 21 May 2025 05:06 am
Operator : VOA130:KJD
Sample : I8260STD10PPB
Misc : WG2069452
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 21 10:22:09 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.307	53	14667	10.000	ug/L		94
28) Ethyl tert-butyl ether	4.500	59	143628	10.000	ug/L	#	72
29) Vinyl acetate	4.506	43	63841	10.000	ug/L	#	92
30) cis-1,2-Dichloroethene	4.799	96	81197	10.000	ug/L	#	77
31) 2,2-Dichloropropane	4.899	77	99145	10.000	ug/L		79
33) Bromochloromethane	4.985	128	39596	10.000	ug/L	#	53
34) Cyclohexane	4.998	56	100763	10.000	ug/L		76
35) Chloroform	5.058	83	130315	10.000	ug/L		92
36) Ethyl acetate	5.165	43	28999	10.000	ug/L	#	93
37) Carbon tetrachloride	5.204	117	91560	10.000	ug/L		98
38) Tetrahydrofuran	5.211	42	10840M6	10.000	ug/L		
40) 1,1,1-Trichloroethane	5.264	97	103552	10.000	ug/L		91
42) 2-Butanone	5.344	43	13855	10.000	ug/L		93
43) 1,1-Dichloropropene	5.391	75	72819	10.000	ug/L		93
45) Benzene	5.632	78	237866	10.000	ug/L		94
46) tert-Amyl methyl ether	5.742	73	130243	10.000	ug/L		92
48) 1,2-Dichloroethane	5.831	62	74832	10.000	ug/L	#	96
51) Methyl cyclohexane	6.228	83	97563	10.000	ug/L	#	79
52) Trichloroethene	6.234	95	60430	10.000	ug/L	#	87
54) Dibromomethane	6.665	93	37135	10.000	ug/L	#	80
55) 1,2-Dichloropropane	6.768	63	57496	10.000	ug/L		95
57) 2-Chloroethyl vinyl ether	7.466	63	10324	10.000	ug/L	#	85
58) Bromodichloromethane	6.843	83	82627	10.000	ug/L	#	98
61) 1,4-Dioxane	7.049	88	22262	500.000	ug/L	#	85
62) cis-1,3-Dichloropropene	7.534	75	91825	10.000	ug/L	#	80
65) Toluene	7.808	92	160724	10.000	ug/L		97
66) 4-Methyl-2-pentanone	8.232	58	11848	10.000	ug/L	#	75
67) Tetrachloroethene	8.260	166	72086	10.000	ug/L	#	89
69) trans-1,3-Dichloropropene	8.287	75	75029	10.000	ug/L	#	74
71) Ethyl methacrylate	8.479	69	50679	10.000	ug/L	#	77
72) 1,1,2-Trichloroethane	8.472	83	36148	10.000	ug/L		94
73) Chlorodibromomethane	8.684	129	55884	10.000	ug/L	#	97
74) 1,3-Dichloropropane	8.793	76	77431	10.000	ug/L		99
75) 1,2-Dibromoethane	8.958	107	45283	10.000	ug/L		99
77) 2-Hexanone	9.245	43	19713	10.000	ug/L	#	91
78) Chlorobenzene	9.615	112	179356	10.000	ug/L		98
79) Ethylbenzene	9.656	91	301068	10.000	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.697	131	58428	10.000	ug/L		98
81) p/m Xylene	9.840	106	247114	20.000	ug/L		87
82) o Xylene	10.381	106	241809	20.000	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A09.D
Acq On : 21 May 2025 05:06 am
Operator : VOA130:KJD
Sample : I8260STD10PPB
Misc : WG2069452
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 21 10:22:09 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.449	104	398151	20.000	ug/L		90
85) Bromoform	10.470	173	34086	10.000	ug/L		99
87) Isopropylbenzene	10.764	105	299566	10.000	ug/L		95
89) Bromobenzene	11.197	156	77701	10.000	ug/L		99
90) n-Propylbenzene	11.245	91	348665	10.000	ug/L	#	91
91) 1,4-Dichlorobutane	11.251	55	69162	10.000	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.320	83	48044	10.000	ug/L	#	99
93) 4-Ethyltoluene	11.368	105	299770	10.000	ug/L		96
94) 2-Chlorotoluene	11.409	91	209146M6	10.000	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	230560	10.000	ug/L		94
96) 1,2,3-Trichloropropane	11.457	75	37945	10.000	ug/L	#	83
97) trans-1,4-Dichloro-2-b...	11.512	53	11045	10.000	ug/L	#	81
98) 4-Chlorotoluene	11.588	91	219795	10.000	ug/L	#	89
99) tert-Butylbenzene	11.807	119	223672	10.000	ug/L		89
102) 1,2,4-Trimethylbenzene	11.883	105	219449	10.000	ug/L		95
103) sec-Butylbenzene	11.999	105	314190	10.000	ug/L		92
104) p-Isopropyltoluene	12.150	119	263825	10.000	ug/L		94
105) 1,3-Dichlorobenzene	12.219	146	150540	10.000	ug/L		96
106) 1,4-Dichlorobenzene	12.308	146	151685	10.000	ug/L		96
107) p-Diethylbenzene	12.527	119	143221	10.000	ug/L		93
108) n-Butylbenzene	12.582	91	199278	10.000	ug/L	#	96
109) 1,2-Dichlorobenzene	12.733	146	140140	10.000	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.316	119	198096	10.000	ug/L		94
111) 1,2-Dibromo-3-chloropr...	13.508	155	8559	10.000	ug/L		97
112) 1,3,5-Trichlorobenzene	13.543	180	92967	10.000	ug/L	#	93
113) Hexachlorobutadiene	14.126	225	36563	10.000	ug/L		98
114) 1,2,4-Trichlorobenzene	14.140	180	85229	10.000	ug/L		98
115) Naphthalene	14.435	128	175247	10.000	ug/L		100
116) 1,2,3-Trichlorobenzene	14.606	180	84133	10.000	ug/L		98

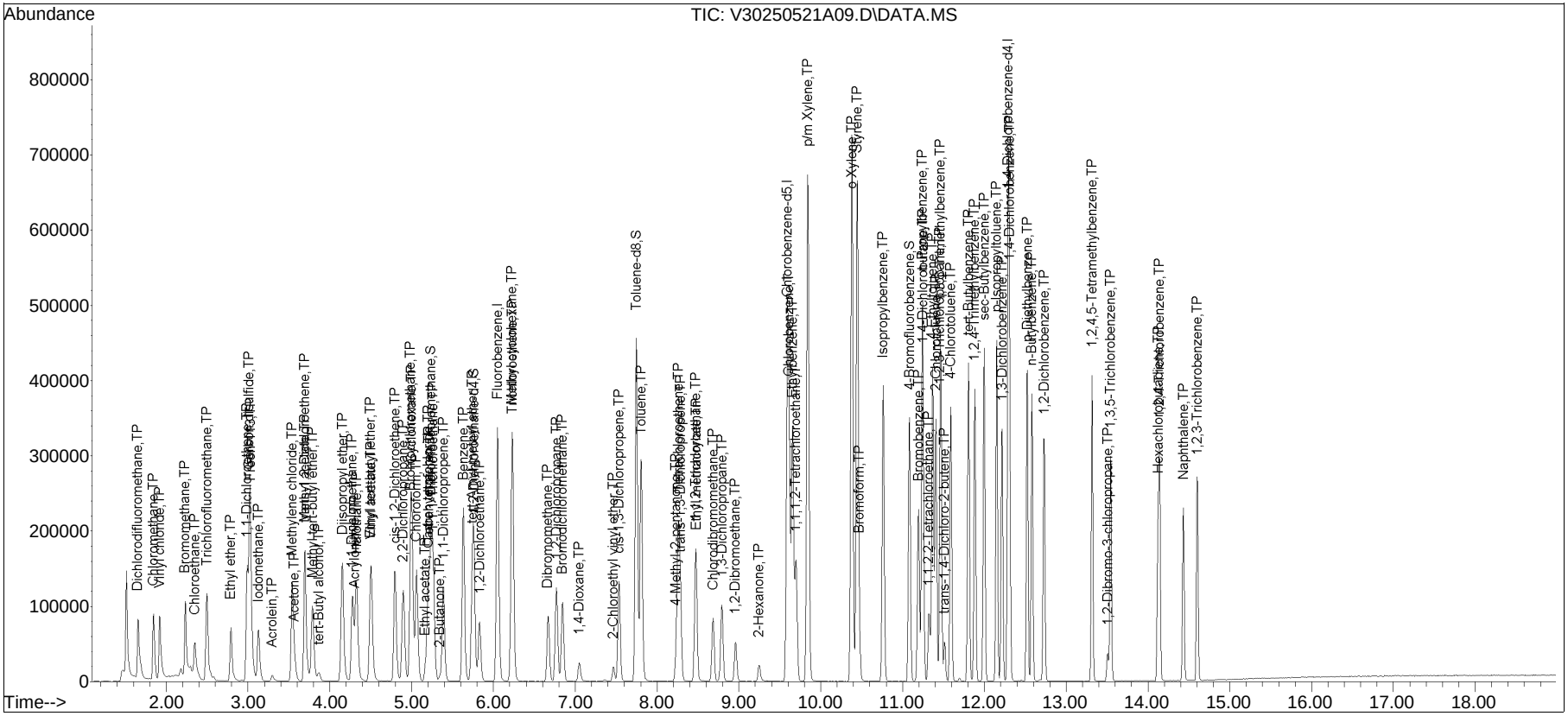
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A09.D
Acq On : 21 May 2025 05:06 am
Operator : VOA130:KJD
Sample : I8260STD10PPB
Misc : WG2069452
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 21 10:22:09 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:55 2025
Response via : Initial Calibration

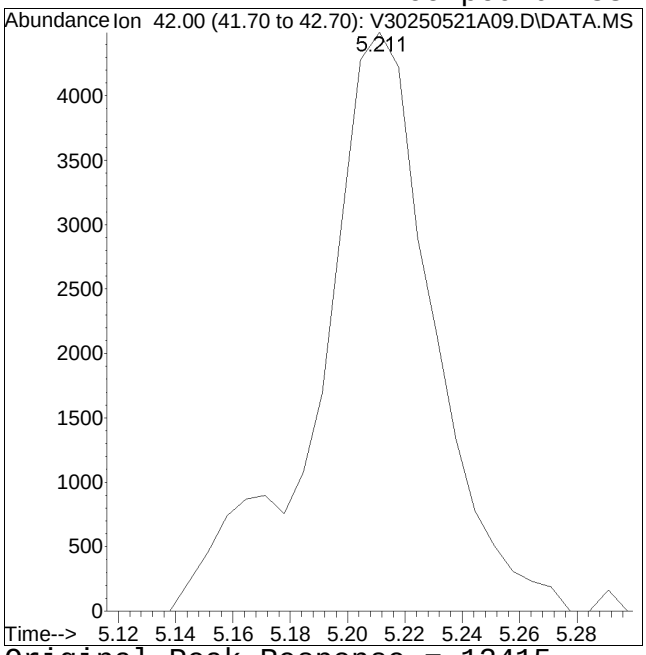
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•



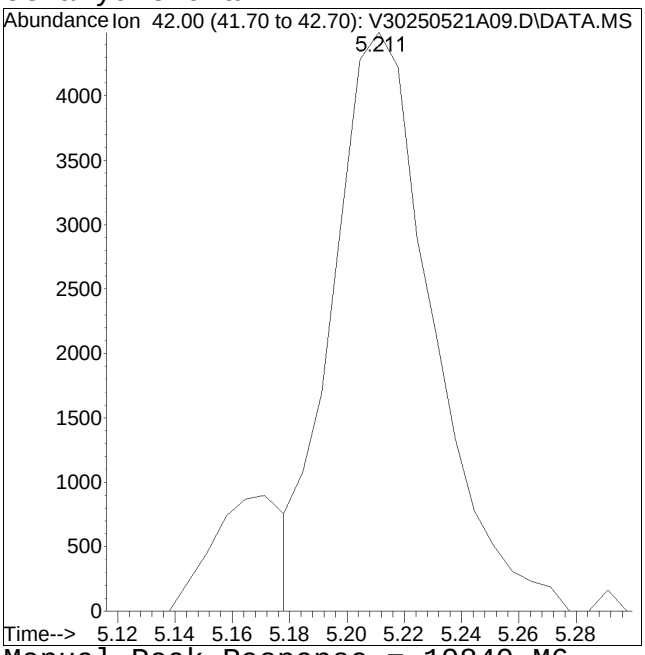
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A09.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 5:06 am Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 5/21/2025 10:22 am

Compound #38: Tetrahydrofuran



Original Peak Response = 12415



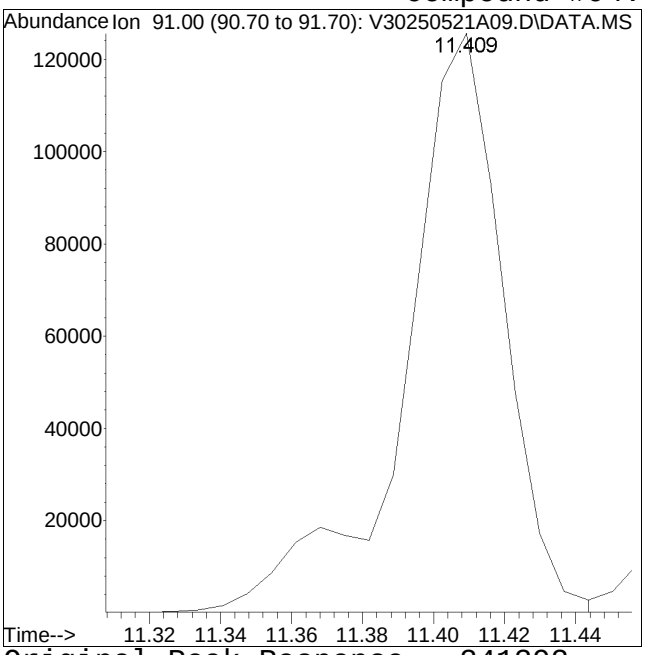
Manual Peak Response = 10840 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

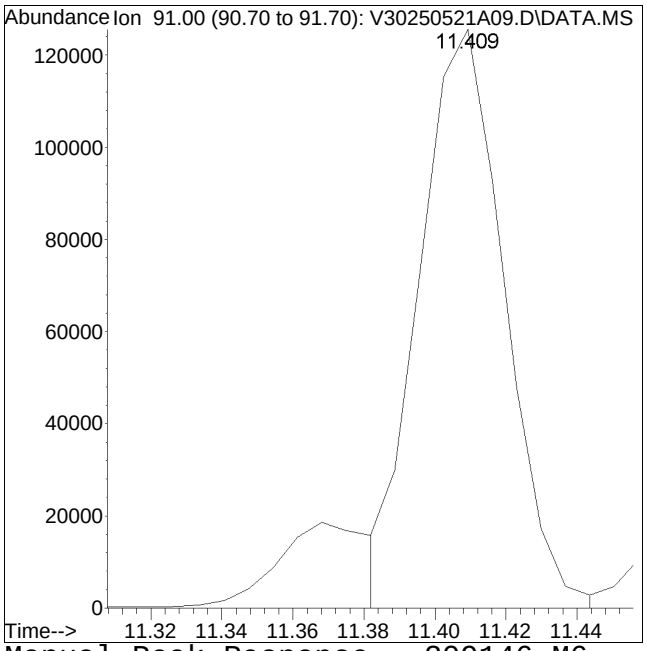
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A09.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 5:06 am Instrument : VOA130
Sample : I8260STD10PPB Quant Date : 5/21/2025 10:22 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 241392



Manual Peak Response = 209146 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A10.D
Acq On : 21 May 2025 05:28 am
Operator : VOA130:KJD
Sample : I8260STD30PPB
Misc : WG2069452
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 21 10:46:50 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	364344	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 102.51%			
63) Chlorobenzene-d5	9.587	117	284117	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 102.27%			
84) 1,4-Dichlorobenzene-d4	12.294	152	162444	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 100.99%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	113177	9.897	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.97%			
47) 1,2-Dichloroethane-d4	5.755	65	104168	10.488	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.88%			
64) Toluene-d8	7.747	98	378610	10.045	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.45%			
88) 4-Bromofluorobenzene	11.080	95	130982	10.109	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.09%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.653	85	269555	30.129	ug/L	94
3) Chloromethane	1.846	50	265121	28.872	ug/L	98
4) Vinyl chloride	1.919	62	257402	29.426	ug/L	99
5) Bromomethane	2.232	94	154191	28.321	ug/L	98
6) Chloroethane	2.345	64	150087	29.103	ug/L	98
7) Trichlorofluoromethane	2.498	101	323004	29.824	ug/L	98
8) Ethyl ether	2.790	74	106791	31.678	ug/L	78
10) 1,1-Dichloroethene	2.990	96	204433	29.624	ug/L #	67
11) Carbon disulfide	3.016	76	563698	29.750	ug/L	100
12) Freon-113	3.030	101	210475	30.413	ug/L #	78
13) Iodomethane	3.123	142	281097	31.306	ug/L	99
14) Acrolein	3.296	56	24405	28.962	ug/L	98
15) Methylene chloride	3.542	84	224358	28.480	ug/L	74
17) Acetone	3.568	43	35869	30.793	ug/L #	87
18) trans-1,2-Dichloroethene	3.695	96	214465	29.393	ug/L	78
19) Methyl acetate	3.688	43	87574	30.680	ug/L #	82
21) Methyl tert-butyl ether	3.788	73	427409	33.797	ug/L	89
22) tert-Butyl alcohol	3.861	59	51068	165.118	ug/L	89
24) Diisopropyl ether	4.147	45	492041	29.991	ug/L #	92
25) 1,1-Dichloroethane	4.273	63	384630	28.797	ug/L #	97
26) Halothane	4.327	117	171562	31.226	ug/L	97

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A10.D
Acq On : 21 May 2025 05:28 am
Operator : VOA130:KJD
Sample : I8260STD30PPB
Misc : WG2069452
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 21 10:46:50 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.307	53	45363	30.170	ug/L		94
28) Ethyl tert-butyl ether	4.500	59	453631	30.809	ug/L	#	75
29) Vinyl acetate	4.506	43	227568	34.772	ug/L	#	90
30) cis-1,2-Dichloroethene	4.792	96	245078	29.443	ug/L	#	77
31) 2,2-Dichloropropane	4.899	77	319915	31.476	ug/L	#	77
33) Bromochloromethane	4.985	128	119624	29.470	ug/L	#	52
34) Cyclohexane	4.998	56	341317	33.043	ug/L		76
35) Chloroform	5.058	83	391562	29.311	ug/L		93
36) Ethyl acetate	5.165	43	98661	33.188	ug/L	#	95
37) Carbon tetrachloride	5.198	117	306384	32.642	ug/L		97
38) Tetrahydrofuran	5.205	42	34840M6	31.352	ug/L		
40) 1,1,1-Trichloroethane	5.264	97	328528	30.948	ug/L		90
42) 2-Butanone	5.344	43	41781	29.417	ug/L		98
43) 1,1-Dichloropropene	5.384	75	246411	33.009	ug/L		91
45) Benzene	5.625	78	728476	29.875	ug/L		94
46) tert-Amyl methyl ether	5.742	73	410027	30.710	ug/L		91
48) 1,2-Dichloroethane	5.824	62	236392	30.815	ug/L	#	97
51) Methyl cyclohexane	6.228	83	312984	31.294	ug/L	#	78
52) Trichloroethene	6.228	95	199140	32.146	ug/L	#	88
54) Dibromomethane	6.665	93	115720	30.398	ug/L	#	80
55) 1,2-Dichloropropane	6.768	63	186032	31.562	ug/L		97
57) 2-Chloroethyl vinyl ether	7.459	63	39176	37.016	ug/L	#	79
58) Bromodichloromethane	6.837	83	276846	32.684	ug/L	#	98
61) 1,4-Dioxane	7.042	88	25384	556.143	ug/L	#	87
62) cis-1,3-Dichloropropene	7.528	75	300097	31.880	ug/L	#	79
65) Toluene	7.801	92	483763	29.431	ug/L		98
66) 4-Methyl-2-pentanone	8.226	58	38108	31.450	ug/L	#	72
67) Tetrachloroethene	8.253	166	224329	30.429	ug/L	#	88
69) trans-1,3-Dichloropropene	8.280	75	244280	31.836	ug/L	#	73
71) Ethyl methacrylate	8.472	69	162474	31.348	ug/L	#	78
72) 1,1,2-Trichloroethane	8.465	83	113641	30.740	ug/L		94
73) Chlorodibromomethane	8.677	129	182547	31.940	ug/L	#	97
74) 1,3-Dichloropropane	8.787	76	241098	30.446	ug/L		100
75) 1,2-Dibromoethane	8.958	107	142976	30.873	ug/L		99
77) 2-Hexanone	9.238	43	62627	31.064	ug/L		89
78) Chlorobenzene	9.615	112	538011	29.331	ug/L		99
79) Ethylbenzene	9.656	91	912458	29.635	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.697	131	184575	30.889	ug/L		98
81) p/m Xylene	9.840	106	739753	58.543	ug/L		87
82) o Xylene	10.381	106	722629	58.442	ug/L		88

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A10.D
Acq On : 21 May 2025 05:28 am
Operator : VOA130:KJD
Sample : I8260STD30PPB
Misc : WG2069452
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 21 10:46:50 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.443	104	1200575	58.969	ug/L		89
85) Bromoform	10.463	173	110423	32.079	ug/L		98
87) Isopropylbenzene	10.764	105	912023	30.147	ug/L		95
89) Bromobenzene	11.197	156	234354	29.866	ug/L		100
90) n-Propylbenzene	11.245	91	1058091	30.050	ug/L		92
91) 1,4-Dichlorobutane	11.252	55	213841	30.616	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.320	83	150671	31.054	ug/L	#	98
93) 4-Ethyltoluene	11.368	105	906422	29.941	ug/L		96
94) 2-Chlorotoluene	11.409	91	643254M6	30.455	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	741707	31.855	ug/L		94
96) 1,2,3-Trichloropropane	11.457	75	120803	31.525	ug/L	#	83
97) trans-1,4-Dichloro-2-b...	11.512	53	36364	32.601	ug/L	#	76
98) 4-Chlorotoluene	11.588	91	661231	29.790	ug/L	#	89
99) tert-Butylbenzene	11.807	119	667090	29.533	ug/L		89
102) 1,2,4-Trimethylbenzene	11.883	105	710779	32.072	ug/L		95
103) sec-Butylbenzene	11.999	105	945591	29.802	ug/L		92
104) p-Isopropyltoluene	12.150	119	828955	31.113	ug/L		94
105) 1,3-Dichlorobenzene	12.219	146	457542	30.096	ug/L		96
106) 1,4-Dichlorobenzene	12.308	146	455992	29.768	ug/L		96
107) p-Diethylbenzene	12.527	119	467661	32.334	ug/L		93
108) n-Butylbenzene	12.582	91	649867	32.292	ug/L	#	96
109) 1,2-Dichlorobenzene	12.733	146	425592	30.072	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.316	119	646428	32.313	ug/L		94
111) 1,2-Dibromo-3-chloropr...	13.508	155	26659	30.843	ug/L		98
112) 1,3,5-Trichlorobenzene	13.543	180	304672	32.451	ug/L	#	93
113) Hexachlorobutadiene	14.126	225	114539	31.020	ug/L		99
114) 1,2,4-Trichlorobenzene	14.146	180	268472	31.192	ug/L		98
115) Naphthalene	14.435	128	535946	30.283	ug/L		100
116) 1,2,3-Trichlorobenzene	14.606	180	251312	29.579	ug/L		97

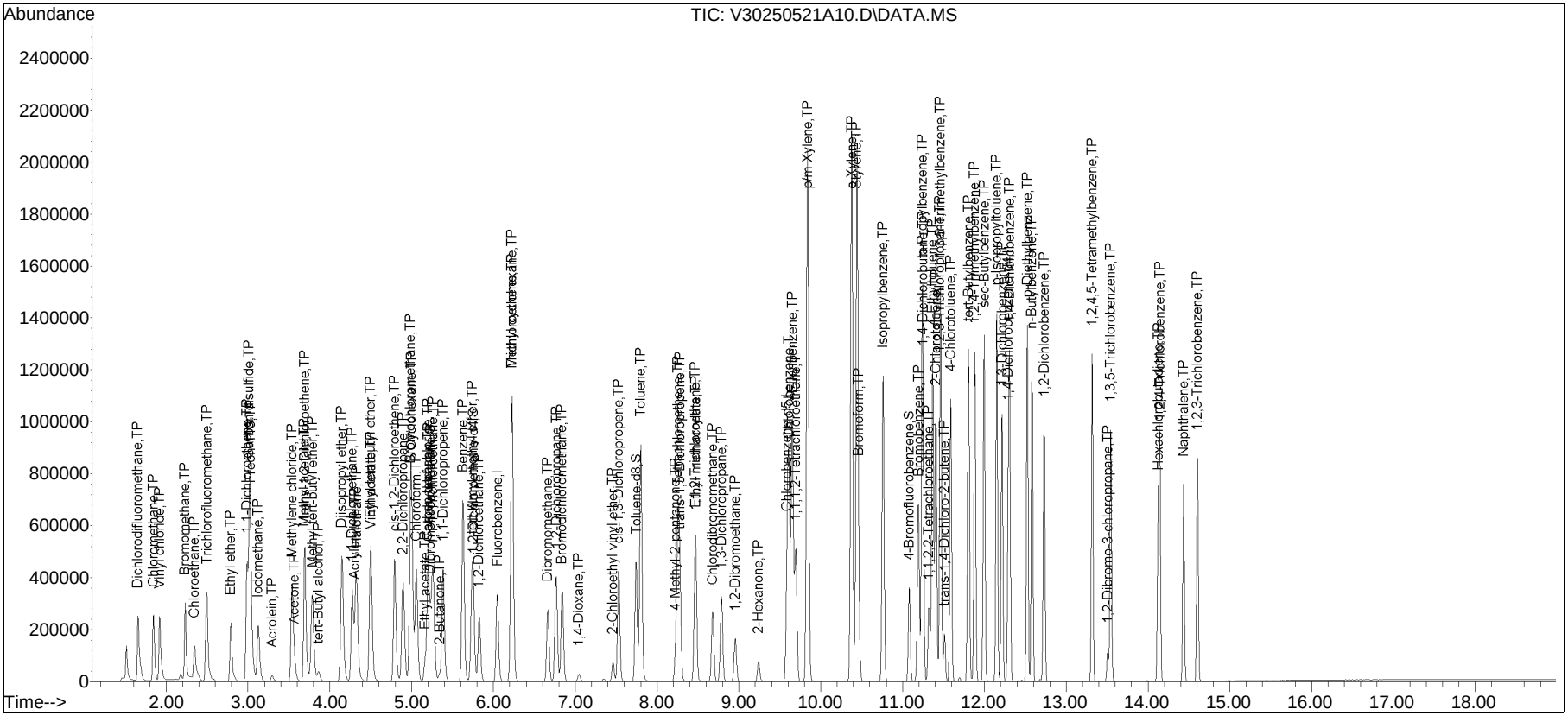
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A10.D
Acq On : 21 May 2025 05:28 am
Operator : VOA130:KJD
Sample : I8260STD30PPB
Misc : WG2069452
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 21 10:46:50 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

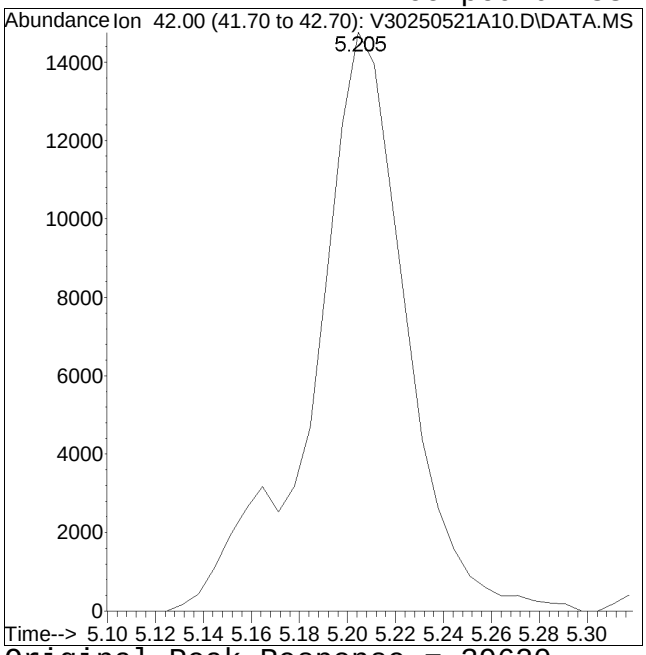
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•



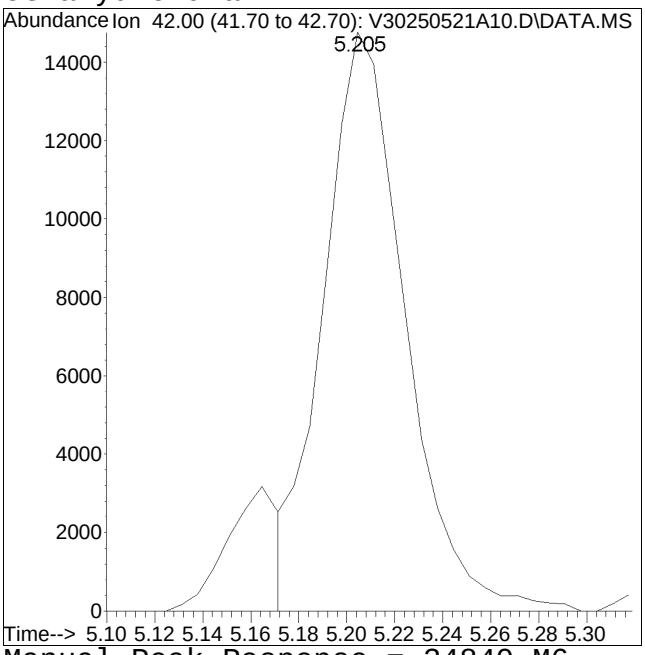
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A10.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 5:28 am Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 5/21/2025 10:24 am

Compound #38: Tetrahydrofuran



Original Peak Response = 39620



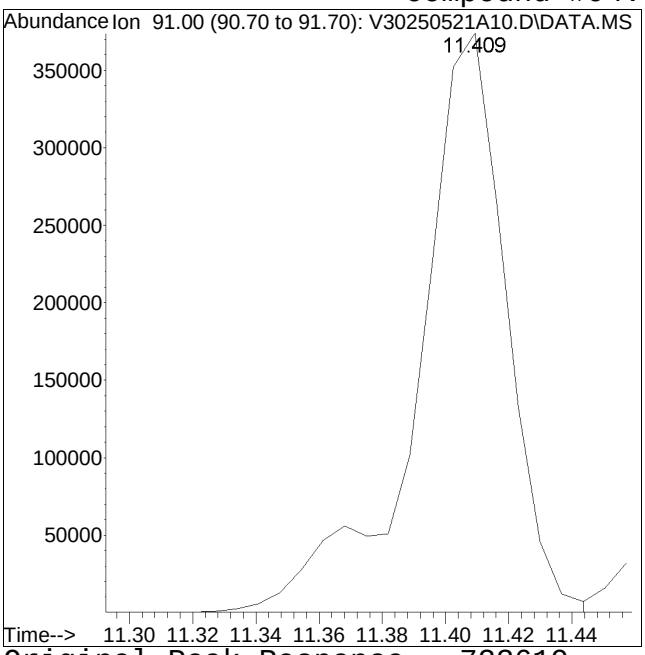
Manual Peak Response = 34840 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

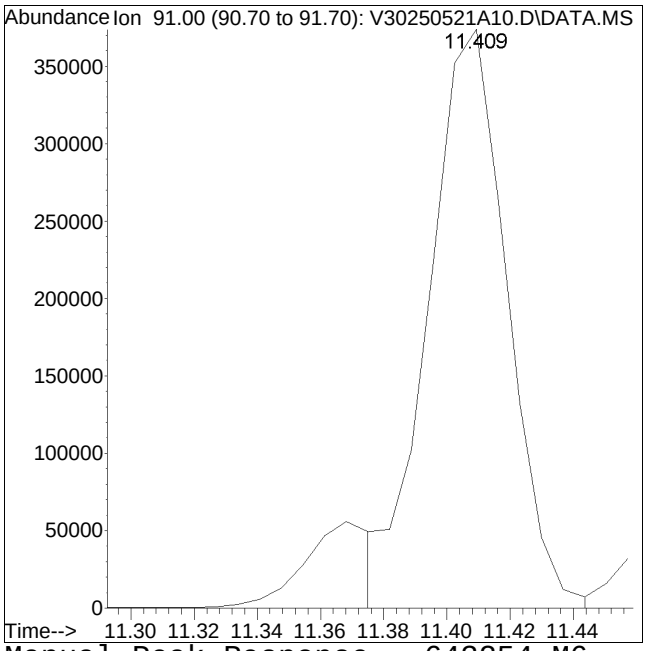
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A10.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 5:28 am Instrument : VOA130
Sample : I8260STD30PPB Quant Date : 5/21/2025 10:24 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 723619



Manual Peak Response = 643254 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A11.D
Acq On : 21 May 2025 05:50 am
Operator : VOA130:KJD
Sample : I8260STD80PPB
Misc : WG2069452
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 21 10:46:56 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	396418	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 111.54%			
63) Chlorobenzene-d5	9.588	117	299154	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 107.68%			
84) 1,4-Dichlorobenzene-d4	12.295	152	175713	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 109.24%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	116862	9.393	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.93%			
47) 1,2-Dichloroethane-d4	5.756	65	108781	10.066	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.66%			
64) Toluene-d8	7.740	98	390500	9.840	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.40%			
88) 4-Bromofluorobenzene	11.080	95	136228	9.720	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.653	85	737795	75.792	ug/L	94
3) Chloromethane	1.846	50	703229	70.386	ug/L	97
4) Vinyl chloride	1.919	62	694933	73.015	ug/L	99
5) Bromomethane	2.232	94	423030	71.412	ug/L	97
6) Chloroethane	2.345	64	402858	71.798	ug/L	98
7) Trichlorofluoromethane	2.498	101	870398	73.863	ug/L	98
8) Ethyl ether	2.791	74	299955	81.778	ug/L #	77
10) 1,1-Dichloroethene	2.990	96	554382	73.834	ug/L #	67
11) Carbon disulfide	3.017	76	1532004	74.312	ug/L	99
12) Freon-113	3.030	101	577137	76.647	ug/L #	78
13) Iodomethane	3.123	142	834298	85.399	ug/L	99
14) Acrolein	3.296	56	65201	71.115	ug/L	99
15) Methylene chloride	3.536	84	609117	71.065	ug/L	74
17) Acetone	3.562	43	95388	75.263	ug/L #	86
18) trans-1,2-Dichloroethene	3.695	96	586695	73.901	ug/L	78
19) Methyl acetate	3.688	43	242012	77.923	ug/L #	82
21) Methyl tert-butyl ether	3.788	73	1332108	96.813	ug/L	89
22) tert-Butyl alcohol	3.861	59	152997	454.660	ug/L	85
24) Diisopropyl ether	4.147	45	1421143	79.614	ug/L #	91
25) 1,1-Dichloroethane	4.274	63	1037609	71.399	ug/L #	97
26) Halothane	4.327	117	480192	80.328	ug/L	97

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A11.D
Acq On : 21 May 2025 05:50 am
Operator : VOA130:KJD
Sample : I8260STD80PPB
Misc : WG2069452
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 21 10:46:56 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.307	53	123281	75.359	ug/L		94
28) Ethyl tert-butyl ether	4.500	59	1371759	85.628	ug/L	#	77
29) Vinyl acetate	4.500	43	732308	102.843	ug/L	#	89
30) cis-1,2-Dichloroethene	4.793	96	659977	72.873	ug/L	#	77
31) 2,2-Dichloropropane	4.899	77	877408	79.343	ug/L	#	77
33) Bromochloromethane	4.985	128	325626	73.730	ug/L	#	51
34) Cyclohexane	4.999	56	968732	86.195	ug/L		76
35) Chloroform	5.059	83	1059733	72.909	ug/L		92
36) Ethyl acetate	5.158	43	298935	92.421	ug/L	#	94
37) Carbon tetrachloride	5.198	117	875801	85.759	ug/L		97
38) Tetrahydrofuran	5.205	42	96317M6	79.662	ug/L		
40) 1,1,1-Trichloroethane	5.265	97	920949	79.736	ug/L		90
42) 2-Butanone	5.338	43	127254	82.346	ug/L	#	89
43) 1,1-Dichloropropene	5.384	75	744843	91.706	ug/L		91
45) Benzene	5.626	78	2159439	81.393	ug/L		94
46) tert-Amyl methyl ether	5.742	73	1184338	81.527	ug/L		91
48) 1,2-Dichloroethane	5.824	62	656995	78.714	ug/L	#	97
51) Methyl cyclohexane	6.228	83	901770	82.868	ug/L	#	78
52) Trichloroethene	6.228	95	611726	90.758	ug/L	#	88
54) Dibromomethane	6.666	93	324938	78.451	ug/L	#	81
55) 1,2-Dichloropropane	6.768	63	569010	88.728	ug/L		96
57) 2-Chloroethyl vinyl ether	7.460	63	131717	114.386	ug/L	#	77
58) Bromodichloromethane	6.844	83	807959	87.669	ug/L	#	98
61) 1,4-Dioxane	7.049	88	36050	725.922	ug/L	#	84
62) cis-1,3-Dichloropropene	7.528	75	913684	89.210	ug/L	#	79
65) Toluene	7.802	92	1328290	76.748	ug/L		97
66) 4-Methyl-2-pentanone	8.226	58	106327	83.340	ug/L	#	69
67) Tetrachloroethene	8.253	166	626234	80.676	ug/L	#	88
69) trans-1,3-Dichloropropene	8.281	75	726191	89.883	ug/L	#	72
71) Ethyl methacrylate	8.472	69	447897	82.074	ug/L	#	72
72) 1,1,2-Trichloroethane	8.465	83	338025	86.840	ug/L		93
73) Chlorodibromomethane	8.678	129	560081	93.072	ug/L	#	97
74) 1,3-Dichloropropane	8.787	76	703899	84.421	ug/L		100
75) 1,2-Dibromoethane	8.951	107	411342	84.358	ug/L		100
77) 2-Hexanone	9.239	43	169066	79.645	ug/L	#	87
78) Chlorobenzene	9.608	112	1503203	77.832	ug/L		99
79) Ethylbenzene	9.656	91	2501046	77.146	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.697	131	536505	85.272	ug/L		99
81) p/m Xylene	9.841	106	2019730	151.804	ug/L		86
82) o Xylene	10.381	106	1966001	151.007	ug/L		87

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A11.D
Acq On : 21 May 2025 05:50 am
Operator : VOA130:KJD
Sample : I8260STD80PPB
Misc : WG2069452
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 21 10:46:56 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83)	Styrene	10.443	104	3268347	152.464	ug/L		90
85)	Bromoform	10.463	173	324494	87.149	ug/L		98
87)	Isopropylbenzene	10.765	105	2525331	77.171	ug/L		94
89)	Bromobenzene	11.197	156	653590	77.003	ug/L		99
90)	n-Propylbenzene	11.245	91	2944919	77.321	ug/L	#	91
91)	1,4-Dichlorobutane	11.252	55	583245	77.199	ug/L		99
92)	1,1,2,2-Tetrachloroethane	11.320	83	423458	80.687	ug/L	#	98
93)	4-Ethyltoluene	11.368	105	2543012	77.659	ug/L		95
94)	2-Chlorotoluene	11.410	91	1698411M6	74.340	ug/L		
95)	1,3,5-Trimethylbenzene	11.465	105	2206260	87.600	ug/L		93
96)	1,2,3-Trichloropropane	11.458	75	333507	80.460	ug/L	#	82
97)	trans-1,4-Dichloro-2-b...	11.513	53	104299	86.446	ug/L	#	73
98)	4-Chlorotoluene	11.588	91	1843896	76.798	ug/L	#	89
99)	tert-Butylbenzene	11.808	119	1892446	77.454	ug/L		88
102)	1,2,4-Trimethylbenzene	11.883	105	2177274	90.826	ug/L		94
103)	sec-Butylbenzene	12.000	105	2682372	78.155	ug/L		91
104)	p-Isopropyltoluene	12.151	119	2420841	84.000	ug/L		94
105)	1,3-Dichlorobenzene	12.219	146	1303154	79.245	ug/L		96
106)	1,4-Dichlorobenzene	12.308	146	1306820	78.869	ug/L		96
107)	p-Diethylbenzene	12.528	119	1451918	92.804	ug/L		94
108)	n-Butylbenzene	12.583	91	1971171	90.551	ug/L	#	95
109)	1,2-Dichlorobenzene	12.734	146	1216018	79.434	ug/L		96
110)	1,2,4,5-Tetramethylben...	13.324	119	2077682	96.014	ug/L		93
111)	1,2-Dibromo-3-chloropr...	13.509	155	78546	84.010	ug/L		97
112)	1,3,5-Trichlorobenzene	13.550	180	964029	94.927	ug/L	#	93
113)	Hexachlorobutadiene	14.126	225	348161	87.170	ug/L		99
114)	1,2,4-Trichlorobenzene	14.147	180	829505	89.097	ug/L		98
115)	Naphthalene	14.435	128	1580470	82.559	ug/L		100
116)	1,2,3-Trichlorobenzene	14.606	180	749677	81.572	ug/L		97

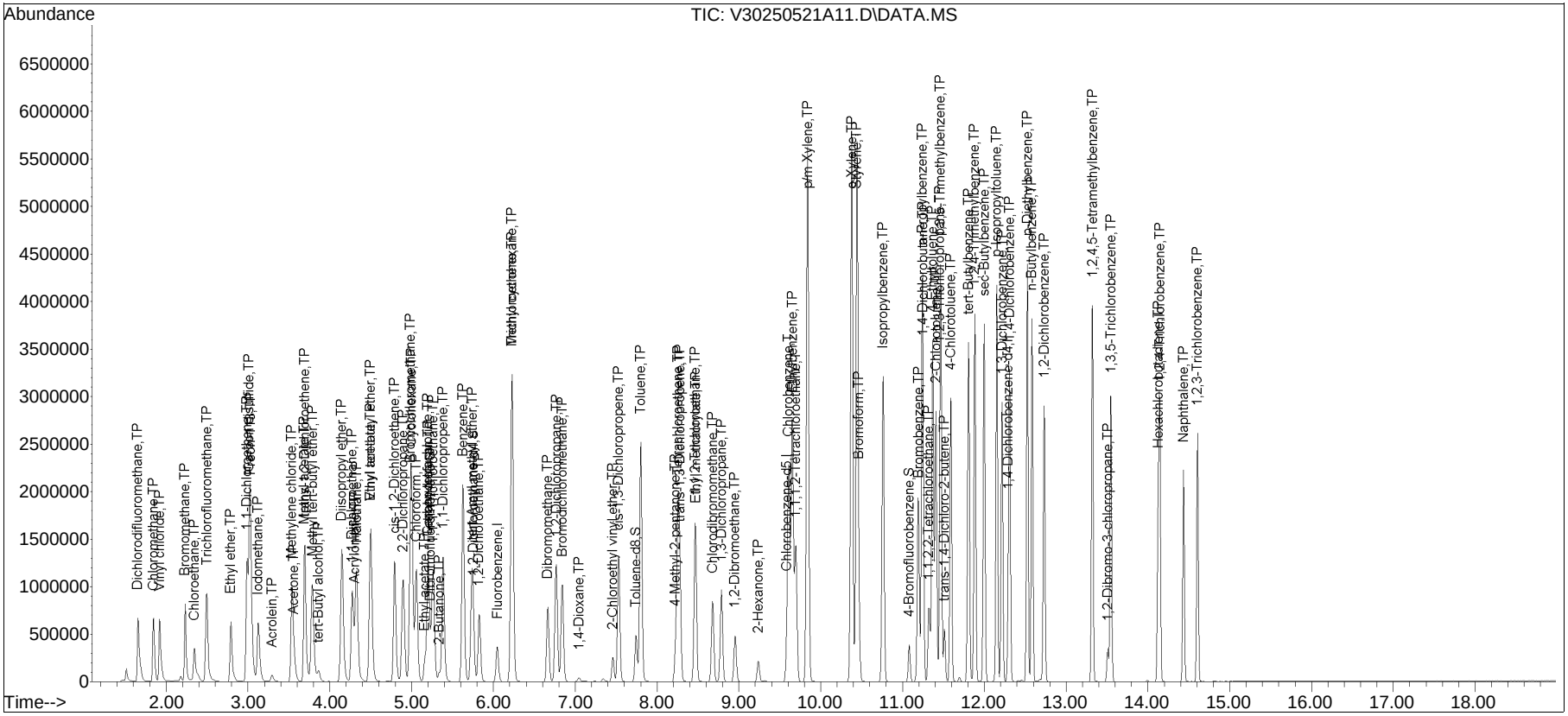
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A11.D
Acq On : 21 May 2025 05:50 am
Operator : VOA130:KJD
Sample : I8260STD80PPB
Misc : WG2069452
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 21 10:46:56 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

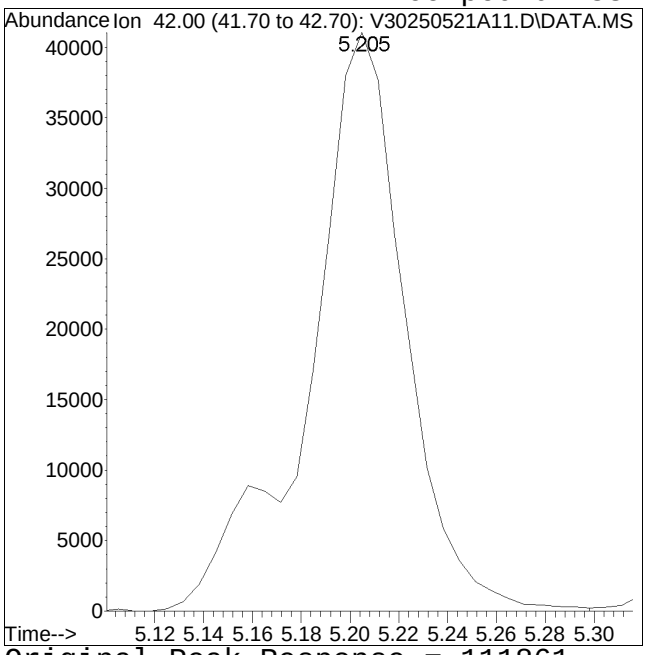
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•



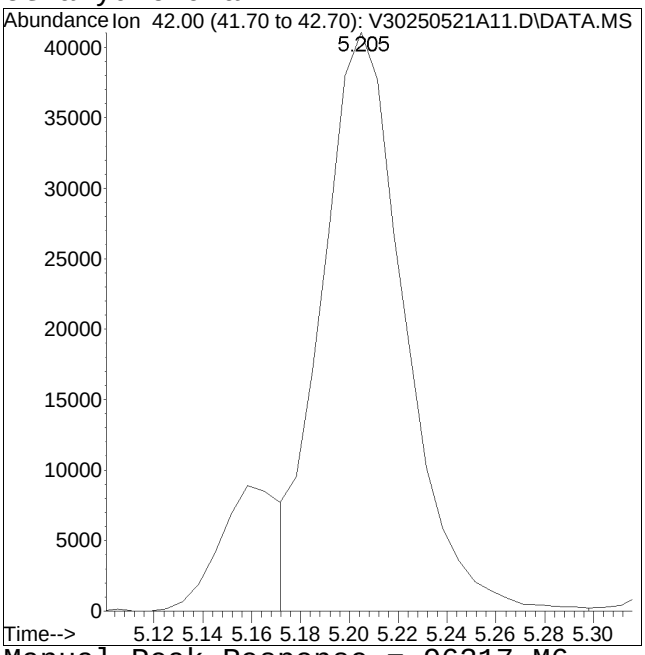
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A11.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 5:50 am Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 5/21/2025 10:24 am

Compound #38: Tetrahydrofuran



Original Peak Response = 111861



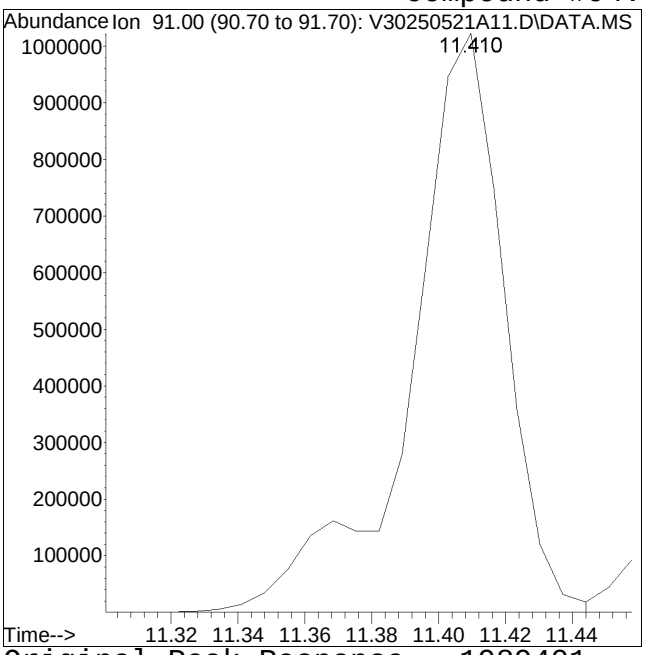
Manual Peak Response = 96317 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

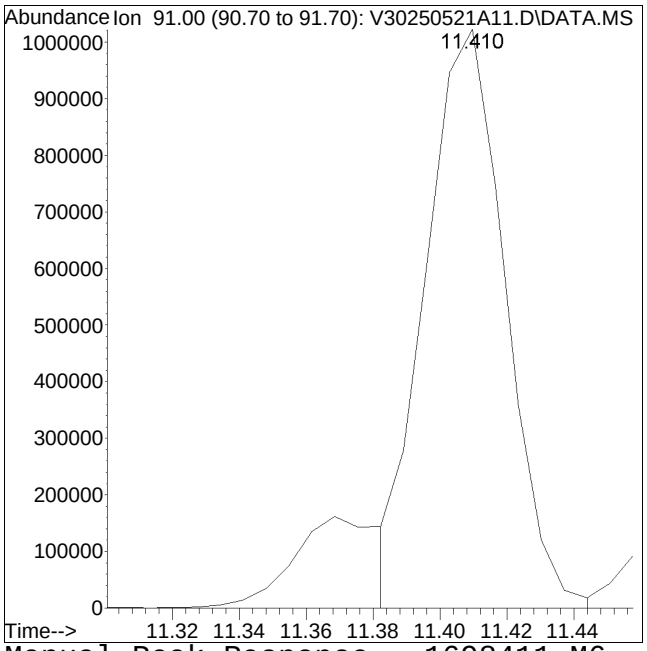
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A11.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 5:50 am Instrument : VOA130
Sample : I8260STD80PPB Quant Date : 5/21/2025 10:24 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 1989401



Manual Peak Response = 1698411 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A12.D
Acq On : 21 May 2025 06:12 am
Operator : VOA130:KJD
Sample : I8260STD120PPB
Misc : WG2069452
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 10:51:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	384849	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 108.28%			
63) Chlorobenzene-d5	9.587	117	290322	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 104.50%			
84) 1,4-Dichlorobenzene-d4	12.294	152	173077	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 107.60%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	113815	9.423	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.23%			
47) 1,2-Dichloroethane-d4	5.755	65	104525	9.963	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.63%			
64) Toluene-d8	7.746	98	376873	9.786	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.86%			
88) 4-Bromofluorobenzene	11.080	95	132662	9.610	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.10%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.653	85	1098424	116.231	ug/L	94
3) Chloromethane	1.846	50	1048462	108.094	ug/L	97
4) Vinyl chloride	1.919	62	1043752	112.962	ug/L	100
5) Bromomethane	2.232	94	663476	115.369	ug/L	97
6) Chloroethane	2.345	64	606261	111.297	ug/L	98
7) Trichlorofluoromethane	2.498	101	1293346	113.054	ug/L	98
8) Ethyl ether	2.790	74	450368	126.477	ug/L #	77
10) 1,1-Dichloroethene	2.990	96	831565	114.079	ug/L #	67
11) Carbon disulfide	3.023	76	2323133	116.075	ug/L	99
12) Freon-113	3.030	101	858689	117.467	ug/L #	77
13) Iodomethane	3.129	142	1329034	140.129	ug/L	99
14) Acrolein	3.296	56	95928	107.774	ug/L	99
15) Methylene chloride	3.542	84	921829	110.782	ug/L	74
17) Acetone	3.562	43	140642	114.305	ug/L #	85
18) trans-1,2-Dichloroethene	3.695	96	896136	116.272	ug/L	77
19) Methyl acetate	3.688	43	357322	118.510	ug/L #	82
21) Methyl tert-butyl ether	3.788	73	2025126	151.603	ug/L #	87
22) tert-Butyl alcohol	3.861	59	218758	669.623	ug/L #	76
24) Diisopropyl ether	4.147	45	2169646	125.200	ug/L #	91
25) 1,1-Dichloroethane	4.273	63	1570847	111.341	ug/L #	97
26) Halothane	4.327	117	729165	125.644	ug/L	97

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A12.D
Acq On : 21 May 2025 06:12 am
Operator : VOA130:KJD
Sample : I8260STD120PPB
Misc : WG2069452
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 10:51:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.307	53	183295	115.412	ug/L		94
28) Ethyl tert-butyl ether	4.499	59	2114164	135.938	ug/L	#	76
29) Vinyl acetate	4.506	43	1084192	156.837	ug/L	#	89
30) cis-1,2-Dichloroethene	4.792	96	1008015	114.649	ug/L	#	77
31) 2,2-Dichloropropane	4.898	77	1328396	123.737	ug/L	#	77
33) Bromochloromethane	4.985	128	495942	115.670	ug/L	#	50
34) Cyclohexane	4.998	56	1450868	132.975	ug/L		76
35) Chloroform	5.058	83	1668676	118.255	ug/L	#	92
36) Ethyl acetate	5.158	43	448450	142.815	ug/L	#	95
37) Carbon tetrachloride	5.204	117	1328000	133.947	ug/L		96
38) Tetrahydrofuran	5.204	42	141517M6	120.565	ug/L		
40) 1,1,1-Trichloroethane	5.264	97	1394340	124.352	ug/L		90
42) 2-Butanone	5.337	43	189335	126.202	ug/L	#	89
43) 1,1-Dichloropropene	5.384	75	1142163	144.852	ug/L		91
45) Benzene	5.625	78	3501239	135.935	ug/L		92
46) tert-Amyl methyl ether	5.742	73	1806815	128.115	ug/L		91
48) 1,2-Dichloroethane	5.824	62	990345	122.220	ug/L	#	97
51) Methyl cyclohexane	6.227	83	1379160	130.548	ug/L	#	77
52) Trichloroethene	6.227	95	954823	145.919	ug/L	#	87
54) Dibromomethane	6.665	93	492579	122.499	ug/L	#	81
55) 1,2-Dichloropropane	6.768	63	870011	139.743	ug/L		96
57) 2-Chloroethyl vinyl ether	7.459	63	202923	181.520	ug/L	#	78
58) Bromodichloromethane	6.836	83	1234811	138.013	ug/L	#	97
61) 1,4-Dioxane	7.042	88	53148	1102.388	ug/L	#	85
62) cis-1,3-Dichloropropene	7.528	75	1393563	140.155	ug/L	#	79
65) Toluene	7.801	92	2008184	119.562	ug/L		97
66) 4-Methyl-2-pentanone	8.225	58	152880	123.474	ug/L	#	70
67) Tetrachloroethene	8.253	166	954140	126.658	ug/L	#	88
69) trans-1,3-Dichloropropene	8.280	75	1108781	141.412	ug/L	#	72
71) Ethyl methacrylate	8.472	69	660082	124.635	ug/L	#	69
72) 1,1,2-Trichloroethane	8.465	83	516594	136.753	ug/L		93
73) Chlorodibromomethane	8.677	129	865361	148.177	ug/L	#	97
74) 1,3-Dichloropropane	8.787	76	1071000	132.357	ug/L		100
75) 1,2-Dibromoethane	8.951	107	624347	131.936	ug/L		99
77) 2-Hexanone	9.238	43	244161	118.521	ug/L	#	86
78) Chlorobenzene	9.614	112	2297992	122.604	ug/L		99
79) Ethylbenzene	9.656	91	3802226	120.849	ug/L		93
80) 1,1,1,2-Tetrachloroethane	9.697	131	825839	135.253	ug/L		98
81) p/m Xylene	9.840	106	3079555	238.502	ug/L		84
82) o Xylene	10.381	106	2992038	236.808	ug/L		85

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A12.D
Acq On : 21 May 2025 06:12 am
Operator : VOA130:KJD
Sample : I8260STD120PPB
Misc : WG2069452
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 10:51:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.442	104	4960464	238.438	ug/L		90
85) Bromoform	10.463	173	501153	136.644	ug/L		97
87) Isopropylbenzene	10.764	105	3877900	120.309	ug/L		94
89) Bromobenzene	11.196	156	1009742	120.776	ug/L		99
90) n-Propylbenzene	11.245	91	4459879	118.880	ug/L	#	90
91) 1,4-Dichlorobutane	11.251	55	867392	116.558	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.320	83	627994	121.482	ug/L	#	99
93) 4-Ethyltoluene	11.368	105	3859900	119.669	ug/L		94
94) 2-Chlorotoluene	11.409	91	2623495M6	116.580	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	3381695	136.316	ug/L		93
96) 1,2,3-Trichloropropane	11.464	75	502087	122.976	ug/L	#	81
97) trans-1,4-Dichloro-2-b...	11.512	53	156580	131.755	ug/L	#	72
98) 4-Chlorotoluene	11.588	91	2796750	118.258	ug/L	#	87
99) tert-Butylbenzene	11.807	119	2897044	120.376	ug/L		89
102) 1,2,4-Trimethylbenzene	11.883	105	3394493	143.759	ug/L		93
103) sec-Butylbenzene	11.999	105	4092980	121.072	ug/L		90
104) p-Isopropyltoluene	12.150	119	3736494	131.627	ug/L		93
105) 1,3-Dichlorobenzene	12.219	146	2009127	124.037	ug/L		96
106) 1,4-Dichlorobenzene	12.308	146	2018970	123.704	ug/L		96
107) p-Diethylbenzene	12.527	119	2293297	148.816	ug/L		93
108) n-Butylbenzene	12.582	91	3075654	143.441	ug/L	#	94
109) 1,2-Dichlorobenzene	12.733	146	1865086	123.689	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.323	119	3341157	156.753	ug/L		93
111) 1,2-Dibromo-3-chloropr...	13.508	155	117781	127.893	ug/L		97
112) 1,3,5-Trichlorobenzene	13.550	180	1523166	152.270	ug/L	#	92
113) Hexachlorobutadiene	14.126	225	542899	137.998	ug/L		99
114) 1,2,4-Trichlorobenzene	14.146	180	1289518	140.616	ug/L		98
115) Naphthalene	14.434	128	2384738	126.469	ug/L		100
116) 1,2,3-Trichlorobenzene	14.606	180	1140909	126.032	ug/L		97

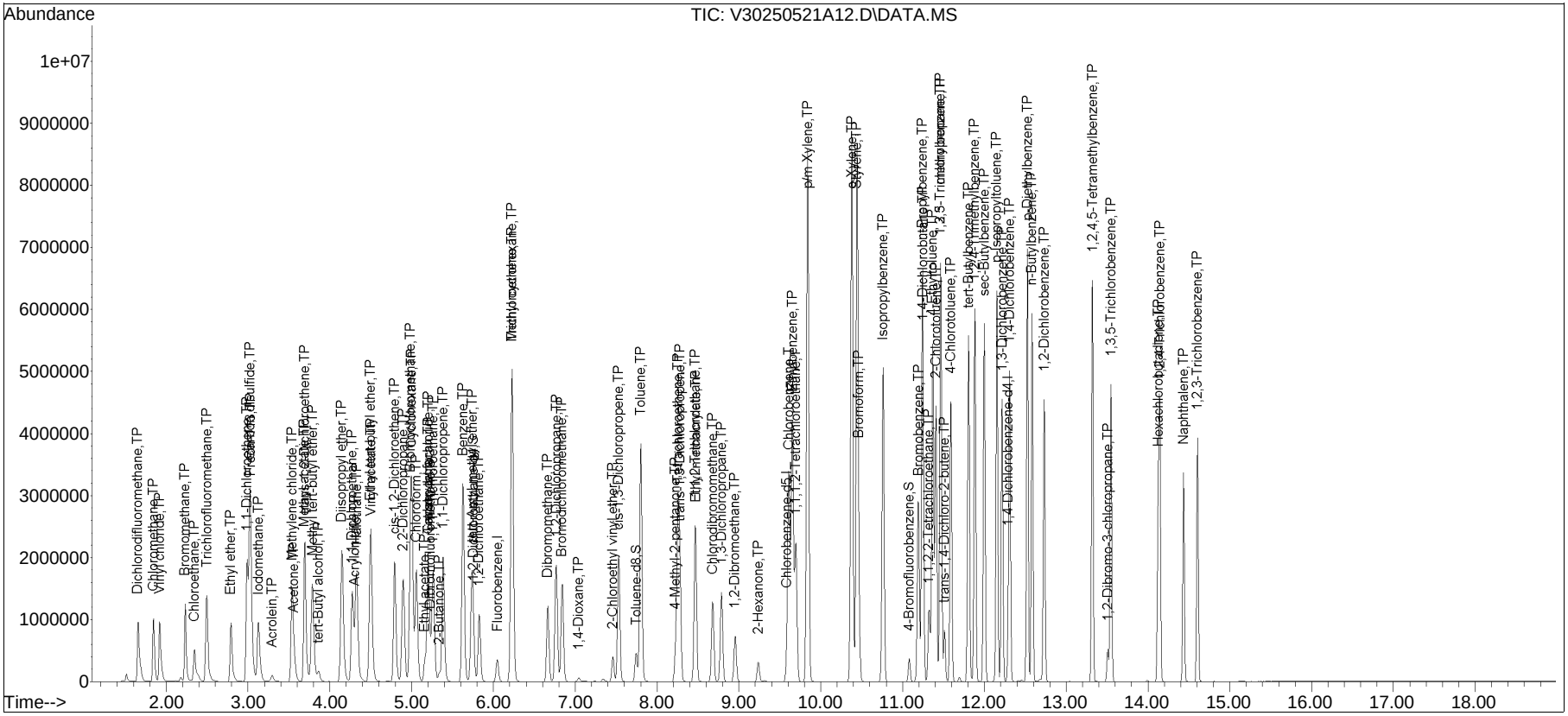
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A12.D
Acq On : 21 May 2025 06:12 am
Operator : VOA130:KJD
Sample : I8260STD120PPB
Misc : WG2069452
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 21 10:51:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

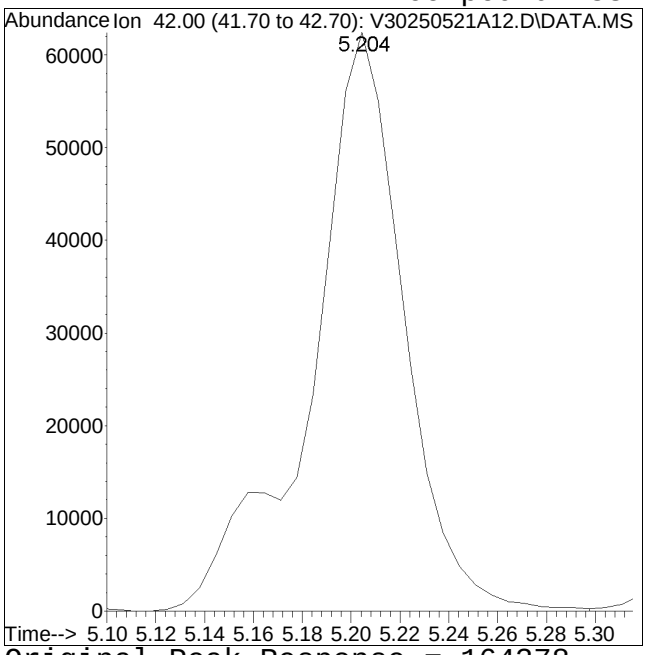
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•



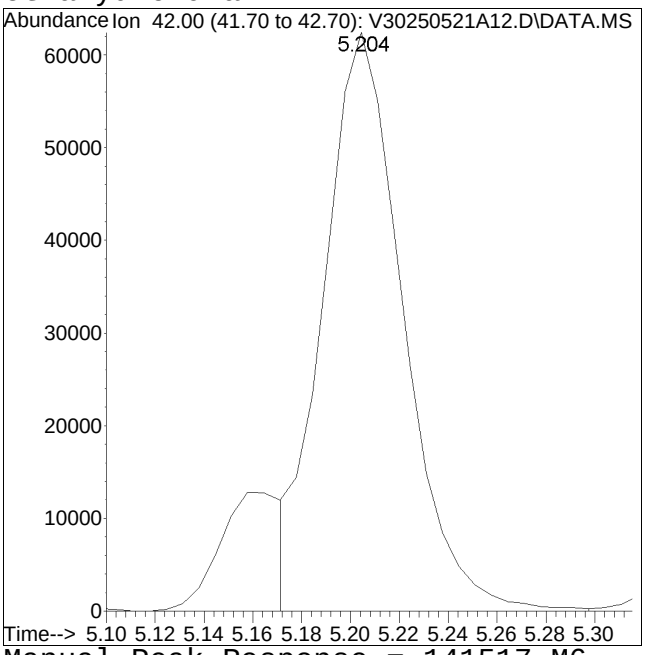
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A12.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 6:12 am Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 5/21/2025 10:24 am

Compound #38: Tetrahydrofuran



Original Peak Response = 164378



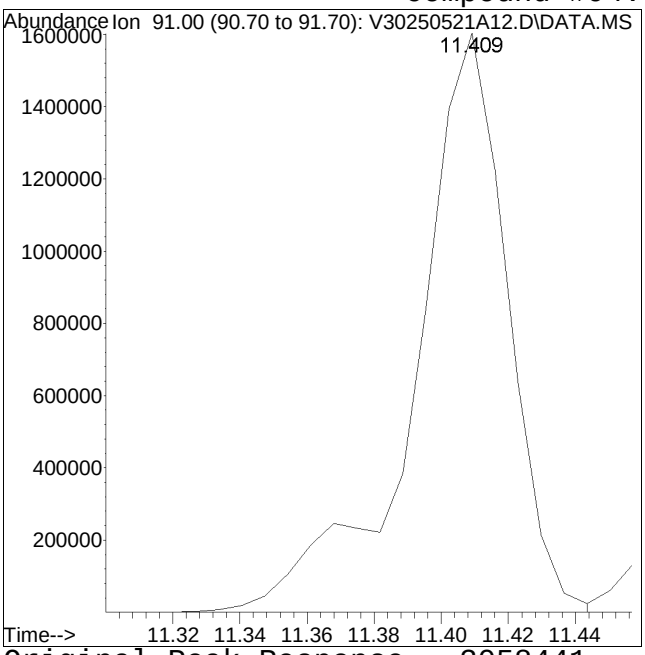
Manual Peak Response = 141517 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

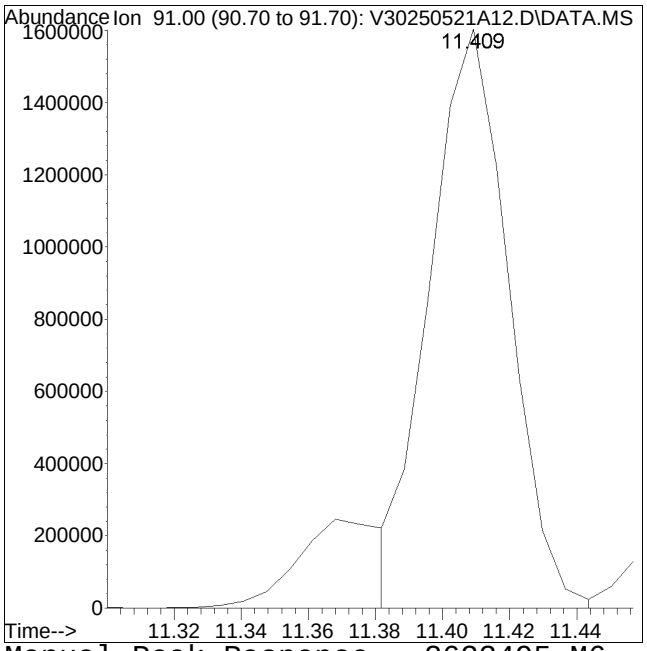
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A12.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 6:12 am Instrument : VOA130
Sample : I8260STD120PPB Quant Date : 5/21/2025 10:24 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 3058441



Manual Peak Response = 2623495 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A13.D
Acq On : 21 May 2025 06:33 am
Operator : VOA130:KJD
Sample : I8260STD200PPB
Misc : WG2069452
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 10:53:03 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	398342	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 112.08%			
63) Chlorobenzene-d5	9.587	117	295913	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 106.52%			
84) 1,4-Dichlorobenzene-d4	12.294	152	175682	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 109.22%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	114726	9.176	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.76%			
47) 1,2-Dichloroethane-d4	5.756	65	105780	9.741	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.41%			
64) Toluene-d8	7.747	98	375543	9.567	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.67%			
88) 4-Bromofluorobenzene	11.080	95	136371	9.732	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.32%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.653	85	1826134	186.689	ug/L	94
3) Chloromethane	1.839	50	1712548	170.580	ug/L	97
4) Vinyl chloride	1.919	62	1713650	179.181	ug/L	99
5) Bromomethane	2.232	94	1143020	192.023	ug/L	97
6) Chloroethane	2.338	64	1002339M1	177.775	ug/L	
7) Trichlorofluoromethane	2.491	101	2146565	181.280	ug/L	98
8) Ethyl ether	2.791	74	740693	200.963	ug/L #	77
10) 1,1-Dichloroethene	2.990	96	1393939	184.752	ug/L #	66
11) Carbon disulfide	3.023	76	3892061	187.879	ug/L	99
12) Freon-113	3.030	101	1434818	189.632	ug/L #	77
13) Iodomethane	3.123	142	2231688	227.332	ug/L	99
14) Acrolein	3.296	56	158333	171.860	ug/L	98
15) Methylene chloride	3.535	84	1523323	176.867	ug/L	73
17) Acetone	3.569	43	223804	175.732	ug/L #	84
18) trans-1,2-Dichloroethene	3.695	96	1503181	188.429	ug/L	77
19) Methyl acetate	3.688	43	589375	188.852	ug/L #	82
21) Methyl tert-butyl ether	3.788	73	3354178	242.592	ug/L	88
22) tert-Butyl alcohol	3.861	59	362272	1071.360	ug/L	85
24) Diisopropyl ether	4.147	45	3658510	203.964	ug/L #	91
25) 1,1-Dichloroethane	4.274	63	2585408	177.045	ug/L #	96
26) Halothane	4.327	117	1222104	203.451	ug/L	97

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A13.D
Acq On : 21 May 2025 06:33 am
Operator : VOA130:KJD
Sample : I8260STD200PPB
Misc : WG2069452
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 10:53:03 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.307	53	298066	181.321	ug/L		93
28) Ethyl tert-butyl ether	4.500	59	3588399	222.914	ug/L	#	76
29) Vinyl acetate	4.500	43	1865753	260.754	ug/L	#	88
30) cis-1,2-Dichloroethene	4.792	96	1675747	184.138	ug/L	#	76
31) 2,2-Dichloropropane	4.899	77	2193260	197.376	ug/L	#	76
33) Bromochloromethane	4.985	128	817611	184.235	ug/L	#	50
34) Cyclohexane	4.999	56	2410197	213.416	ug/L		75
35) Chloroform	5.058	83	2752968	188.488	ug/L	#	92
36) Ethyl acetate	5.158	43	737857	227.021	ug/L	#	94
37) Carbon tetrachloride	5.205	117	2245921	218.859	ug/L		97
38) Tetrahydrofuran	5.205	42	229257M6	188.699	ug/L		
40) 1,1,1-Trichloroethane	5.265	97	2329128	200.683	ug/L		90
42) 2-Butanone	5.338	43	311346	200.499	ug/L	#	87
43) 1,1-Dichloropropene	5.384	75	2027125	248.377	ug/L		93
45) Benzene	5.626	78	5867928	220.104	ug/L		93
46) tert-Amyl methyl ether	5.742	73	3062898	209.824	ug/L		90
48) 1,2-Dichloroethane	5.824	62	1617119	192.810	ug/L	#	96
51) Methyl cyclohexane	6.228	83	2375948	217.284	ug/L	#	77
52) Trichloroethene	6.228	95	1606034	237.125	ug/L	#	87
54) Dibromomethane	6.666	93	814995	195.816	ug/L	#	80
55) 1,2-Dichloropropane	6.768	63	1450203	225.044	ug/L		96
57) 2-Chloroethyl vinyl ether	7.459	63	361541	312.454	ug/L	#	78
58) Bromodichloromethane	6.844	83	2055333	221.940	ug/L	#	97
61) 1,4-Dioxane	7.049	88	88283	1769.127	ug/L	#	83
62) cis-1,3-Dichloropropene	7.535	75	2334346	226.819	ug/L	#	78
65) Toluene	7.802	92	3330046	194.517	ug/L		95
66) 4-Methyl-2-pentanone	8.226	58	244836	194.007	ug/L	#	70
67) Tetrachloroethene	8.253	166	1597262	208.023	ug/L	#	88
69) trans-1,3-Dichloropropene	8.281	75	1856354	232.284	ug/L	#	72
71) Ethyl methacrylate	8.472	69	1070477	198.306	ug/L	#	66
72) 1,1,2-Trichloroethane	8.465	83	878510	228.165	ug/L		94
73) Chlorodibromomethane	8.677	129	1485595	249.574	ug/L	#	97
74) 1,3-Dichloropropane	8.787	76	1801768	218.460	ug/L		100
75) 1,2-Dibromoethane	8.958	107	1047113	217.093	ug/L		99
77) 2-Hexanone	9.238	43	391173	186.296	ug/L	#	86
78) Chlorobenzene	9.615	112	3845954	201.315	ug/L		98
79) Ethylbenzene	9.656	91	6386397	199.149	ug/L		92
80) 1,1,1,2-Tetrachloroethane	9.697	131	1440916	231.529	ug/L		98
81) p/m Xylene	9.841	106	5187329	394.152	ug/L		81
82) o Xylene	10.381	106	5056129	392.611	ug/L		82

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A13.D
Acq On : 21 May 2025 06:33 am
Operator : VOA130:KJD
Sample : I8260STD200PPB
Misc : WG2069452
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 10:53:03 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.450	104	8144975	384.113	ug/L		91
85) Bromoform	10.470	173	881774	236.858	ug/L		97
87) Isopropylbenzene	10.765	105	6566913	200.713	ug/L		92
89) Bromobenzene	11.197	156	1730897	203.963	ug/L		100
90) n-Propylbenzene	11.245	91	7423358	194.939	ug/L	#	88
91) 1,4-Dichlorobutane	11.252	55	1446398	191.482	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.327	83	1056222	201.291	ug/L	#	98
93) 4-Ethyltoluene	11.368	105	6435421	196.560	ug/L		93
94) 2-Chlorotoluene	11.409	91	4414572M6	193.262	ug/L		
95) 1,3,5-Trimethylbenzene	11.471	105	5691231	226.011	ug/L		91
96) 1,2,3-Trichloropropane	11.464	75	845709	204.067	ug/L	#	80
97) trans-1,4-Dichloro-2-b...	11.512	53	256219	212.399	ug/L	#	66
98) 4-Chlorotoluene	11.595	91	4714366	196.387	ug/L	#	86
99) tert-Butylbenzene	11.807	119	4877472	199.660	ug/L		89
102) 1,2,4-Trimethylbenzene	11.890	105	5672099	236.656	ug/L		91
103) sec-Butylbenzene	11.999	105	6849569	199.608	ug/L		88
104) p-Isopropyltoluene	12.157	119	6225641	216.061	ug/L		93
105) 1,3-Dichlorobenzene	12.219	146	3421852	208.121	ug/L		95
106) 1,4-Dichlorobenzene	12.308	146	3400730	205.275	ug/L		96
107) p-Diethylbenzene	12.528	119	3892822	248.866	ug/L		93
108) n-Butylbenzene	12.583	91	5051882	232.114	ug/L	#	93
109) 1,2-Dichlorobenzene	12.733	146	3145833	205.533	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.323	119	5684384	262.733	ug/L		91
111) 1,2-Dibromo-3-chloropr...	13.509	155	200701	214.701	ug/L		97
112) 1,3,5-Trichlorobenzene	13.550	180	2606778	256.733	ug/L	#	93
113) Hexachlorobutadiene	14.126	225	939210	235.195	ug/L		99
114) 1,2,4-Trichlorobenzene	14.147	180	2222892	238.802	ug/L		98
115) Naphthalene	14.435	128	3988324	208.376	ug/L		100
116) 1,2,3-Trichlorobenzene	14.606	180	1931105	210.158	ug/L		98

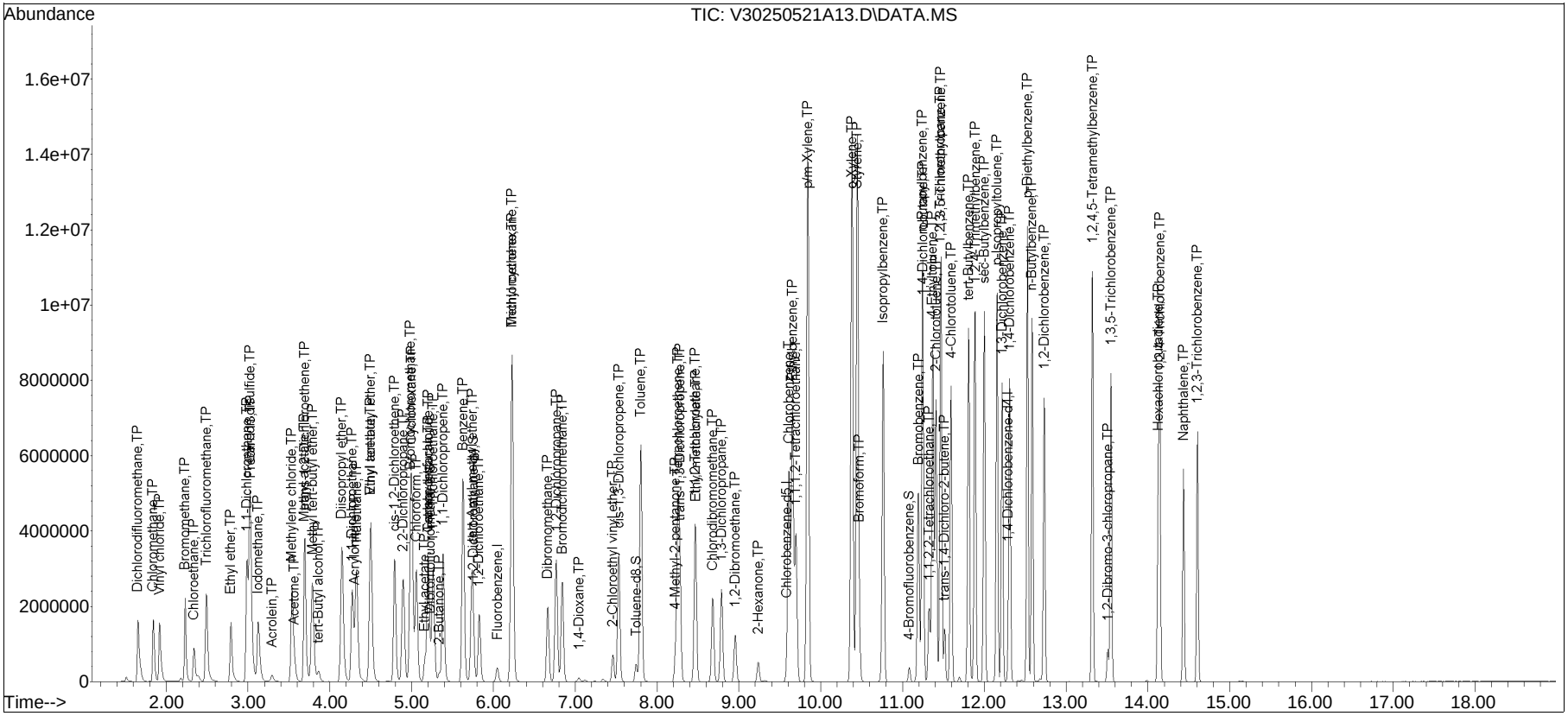
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A13.D
Acq On : 21 May 2025 06:33 am
Operator : VOA130:KJD
Sample : I8260STD200PPB
Misc : WG2069452
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 21 10:53:03 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Wed May 21 10:21:52 2025
Response via : Initial Calibration

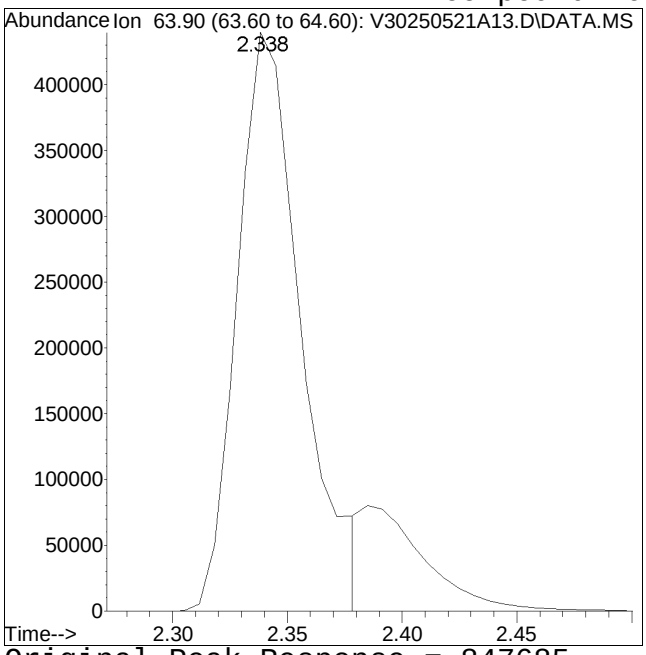
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•

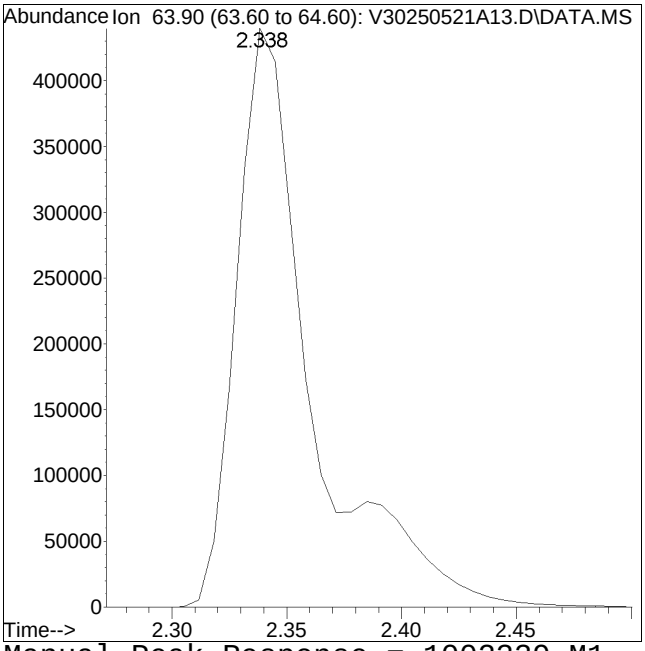


Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A13.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 6:33 am Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 5/21/2025 10:24 am

Compound #6: Chloroethane



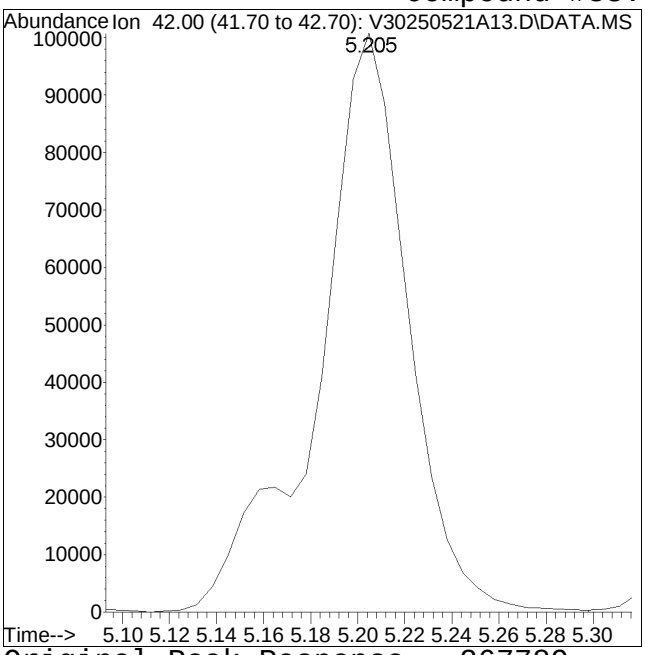


Original Peak Response = 847685 Manual Peak Response = 1002339 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

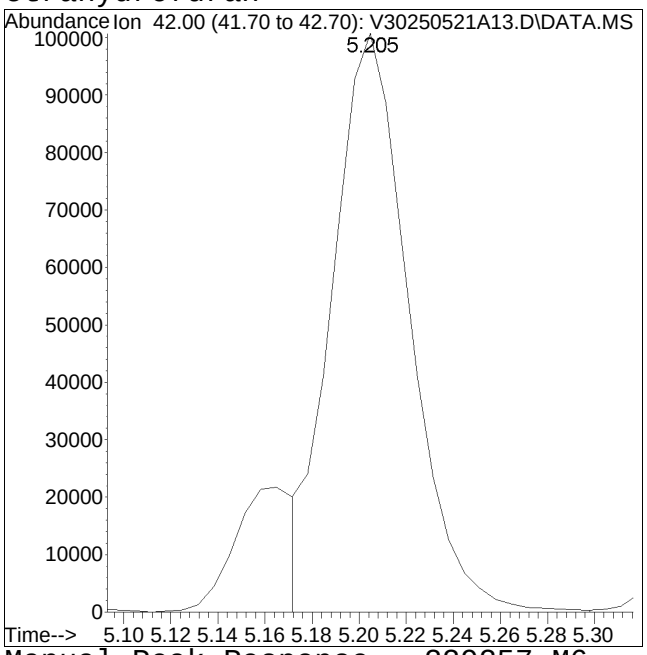
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A13.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 6:33 am Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 5/21/2025 10:24 am

Compound #38: Tetrahydrofuran



Original Peak Response = 267789



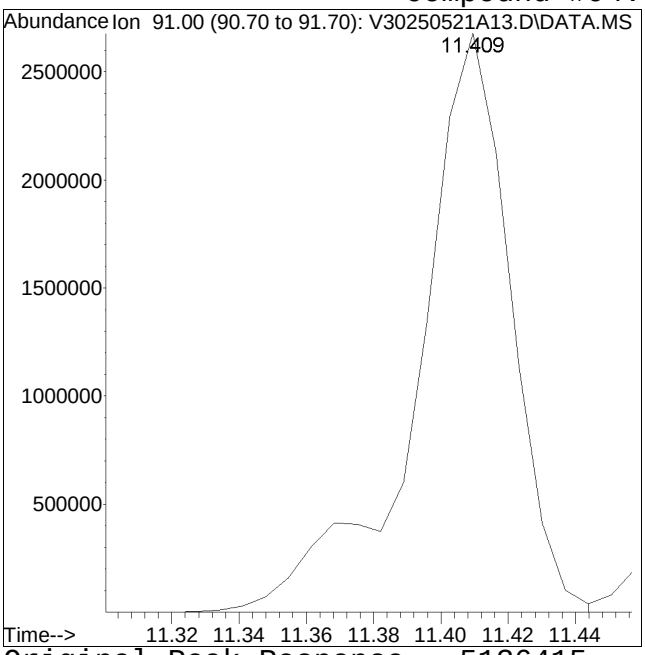
Manual Peak Response = 229257 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

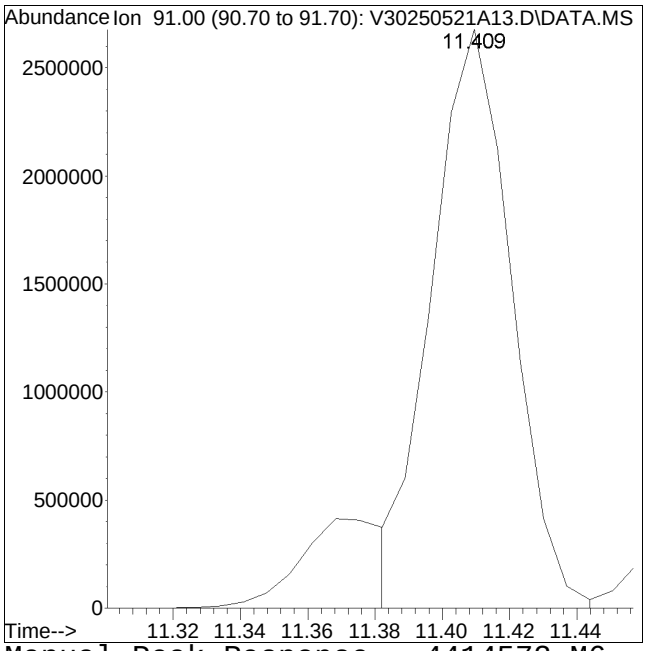
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A13.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 6:33 am Instrument : VOA130
Sample : I8260STD200PPB Quant Date : 5/21/2025 10:24 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 5136415



Manual Peak Response = 4414572 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TP	Dichlorodifluoromethane	0.235	0.260	-10.6	102	0.00
3	TP	Chloromethane	0.243	0.276	-13.6	106	0.00
4	TP	Vinyl chloride	0.235	0.267	-13.6	107	0.00
5	TP	Bromomethane	0.156	0.158	-1.3	102	0.00
6	TP	Chloroethane	0.137	0.153	-11.7	105	0.00
7	TP	Trichlorofluoromethane	0.285	0.335	-17.5	109	0.00
8	TP	Ethyl ether	0.091	0.088	3.3	92	0.00
10	TP	1,1-Dichloroethene	0.185	0.182	1.6	93	0.00
11	TP	Carbon disulfide	0.517	0.499	3.5	93	0.00
12	TP	Freon-113	0.180	0.204	-13.3	104	0.00
13	TP	Iodomethane	0.272	0.277	-1.8	109	0.00
14	TP	Acrolein	0.024	0.019	20.8#	80	0.00
15	TP	Methylene chloride	0.213	0.215	-0.9	96	0.00
17	TP	Acetone	* 10.000	10.116	-1.2	101	0.00
18	TP	trans-1,2-Dichloroethene	0.198	0.207	-4.5	100	0.00
19	TP	Methyl acetate	0.080	0.079	1.3	97	0.00
21	TP	Methyl tert-butyl ether	0.382	0.331	13.4	92	0.00
22	TP	tert-Butyl alcohol	0.00894	0.00840#	6.0	96	0.00
24	TP	Diisopropyl ether	0.451	0.435	3.5	93	0.00
25	TP	1,1-Dichloroethane	0.354	0.375	-5.9	99	0.00
26	TP	Halothane	0.149	0.159	-6.7	102	0.00
27	TP	Acrylonitrile	0.039	0.043	-10.3	101	0.00
28	TP	Ethyl tert-butyl ether	0.420	0.399	5.0	95	0.00
29	TP	Vinyl acetate	0.210	0.164	21.9#	89	0.00
30	TP	cis-1,2-Dichloroethene	0.225	0.233	-3.6	99	0.00
31	TP	2,2-Dichloropropane	0.274	0.275	-0.4	95	0.00
33	TP	Bromochloromethane	0.109	0.115	-5.5	100	0.00
34	TP	Cyclohexane	0.290	0.291	-0.3	99	0.00
35	TP	Chloroform	0.367	0.381	-3.8	101	0.00
36	TP	Ethyl acetate	0.090	0.087	3.3	103	0.00
37	TP	Carbon tetrachloride	0.255	0.267	-4.7	100	0.00
38	TP	Tetrahydrofuran	0.031	0.030	3.2	94	0.00
39	S	Dibromofluoromethane	0.312	0.313	-0.3	96	0.00
40	TP	1,1,1-Trichloroethane	0.284	0.300	-5.6	100	0.00
42	TP	2-Butanone	0.040	0.039	2.5	97	0.00
43	TP	1,1-Dichloropropene	0.217	0.235	-8.3	111	0.00
45	TP	Benzene	0.694	0.705	-1.6	102	0.00
46	TP	tert-Amyl methyl ether	0.373	0.335	10.2	88	0.00

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.273	0.267	2.2	95	0.00
48	TP	1,2-Dichloroethane	0.210	0.216	-2.9	99	0.00
51	TP	Methyl cyclohexane	0.276	0.276	0.0	97	0.00
52	TP	Trichloroethene	0.182	0.189#	-3.8	108	0.00
54	TP	Dibromomethane	0.105	0.107	-1.9	99	0.00
55	TP	1,2-Dichloropropane	0.169	0.167#	1.2	100	0.00
57	TP	2-Chloroethyl vinyl ether	0.039	0.023	41.0#	78	0.00
58	TP	Bromodichloromethane	0.244	0.229#	6.1	95	0.00
61	TP	1,4-Dioxane	0.00115	0.00123#	-7.0	95	0.00
62	TP	cis-1,3-Dichloropropene	0.265	0.263#	0.8	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	S	Toluene-d8	1.320	1.323	-0.2	94	0.00
65	TP	Toluene	0.566	0.595	-5.1	97	0.00
66	TP	4-Methyl-2-pentanone	0.042	0.040	4.8	89	0.00
67	TP	Tetrachloroethene	0.258	0.272	-5.4	99	0.00
69	TP	trans-1,3-Dichloropropene	0.272	0.290#	-6.6	102	0.00
71	TP	Ethyl methacrylate	0.179	0.189	-5.6	98	0.00
72	TP	1,1,2-Trichloroethane	0.136	0.135#	0.7	98	0.00
73	TP	Chlorodibromomethane	0.215	0.210	2.3	99	0.00
74	TP	1,3-Dichloropropane	0.284	0.290	-2.1	98	0.00
75	TP	1,2-Dibromoethane	0.164	0.170#	-3.7	99	0.00
77	TP	2-Hexanone	0.069	0.065	5.8	87	0.00
78	T	Chlorobenzene	0.640	0.675	-5.5	99	0.00
79	TP	Ethylbenzene	1.066	1.130	-6.0	99	0.00
80	T	1,1,1,2-Tetrachloroethane	0.217	0.209	3.7	94	0.00
81	TP	p/m Xylene	0.437	0.461	-5.5	98	0.00
82	TP	o Xylene	0.427	0.442	-3.5	96	0.00
83	TP	Styrene	0.701	0.738	-5.3	97	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
85	TP	Bromoform	0.217	0.211	2.8	92	0.00
87	TP	Isopropylbenzene	1.828	1.974	-8.0	98	0.00
88	S	4-Bromofluorobenzene	0.802	0.823	-2.6	95	0.00
89	TP	Bromobenzene	0.483	0.515	-6.6	98	0.00
90	TP	n-Propylbenzene	2.110	2.327	-10.3	99	0.00
91	TP	1,4-Dichlorobutane	0.429	0.450	-4.9	96	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.300	0.287	4.3	89	0.00
93	TP	4-Ethyltoluene	1.799	1.972	-9.6	97	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.274	1.381	-8.4	98	0.00
95 TP	1,3,5-Trimethylbenzene	1.488	1.495	-0.5	96	0.00
96 TP	1,2,3-Trichloropropane	0.239	0.247	-3.3	97	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.071	0.073	-2.8	98	0.00
98 TP	4-Chlorotoluene	1.347	1.448	-7.5	98	0.00
99 TP	tert-Butylbenzene	1.358	1.463	-7.7	97	0.00
102 TP	1,2,4-Trimethylbenzene	1.438	1.489	-3.5	101	0.00
103 TP	sec-Butylbenzene	1.893	2.038	-7.7	96	0.00
104 TP	p-Isopropyltoluene	1.658	1.738	-4.8	98	0.00
105 TP	1,3-Dichlorobenzene	0.945	0.999	-5.7	98	0.00
106 TP	1,4-Dichlorobenzene	0.955	1.008	-5.5	99	0.00
107 TP	p-Diethylbenzene	0.956	0.946	1.0	98	0.00
108 TP	n-Butylbenzene	1.294	1.392	-7.6	104	0.00
109 TP	1,2-Dichlorobenzene	0.876	0.918	-4.8	97	0.00
110 TP	1,2,4,5-Tetramethylbenzene	1.377	1.355	1.6	101	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.053	0.058	-9.4	101	0.00
112 TP	1,3,5-Trichlorobenzene	0.638	0.615	3.6	98	0.00
113 TP	Hexachlorobutadiene	0.241	0.235	2.5	95	0.00
114 TP	1,2,4-Trichlorobenzene	0.570	0.581	-1.9	101	0.00
115 TP	Naphthalene	1.113	1.166	-4.8	99	0.00
116 TP	1,2,3-Trichlorobenzene	0.533	0.566	-6.2	100	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.050	96	343721	10.000	ug/L	0.00
Standard Area 1 = 355412			Recovery = 96.71%			
63) Chlorobenzene-d5	9.587	117	262773	10.000	ug/L	0.00
Standard Area 1 = 277812			Recovery = 94.59%			
84) 1,4-Dichlorobenzene-d4	12.294	152	148197	10.000	ug/L	0.00
Standard Area 1 = 160855			Recovery = 92.13%			
System Monitoring Compounds						
39) Dibromofluoromethane	5.231	113	107556	10.044	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.44%			
47) 1,2-Dichloroethane-d4	5.755	65	91891	9.804	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.04%			
64) Toluene-d8	7.740	98	347686	10.026	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.26%			
88) 4-Bromofluorobenzene	11.080	95	121945	10.257	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.660	85	89424	11.072	ug/L	95
3) Chloromethane	1.846	50	94789	11.367	ug/L	98
4) Vinyl chloride	1.919	62	91667	11.362	ug/L	98
5) Bromomethane	2.232	94	54204	10.134	ug/L	94
6) Chloroethane	2.351	64	52711	11.198	ug/L	99
7) Trichlorofluoromethane	2.498	101	115091	11.758	ug/L	97
8) Ethyl ether	2.790	74	30293	9.687	ug/L	79
10) 1,1-Dichloroethene	2.990	96	62656	9.852	ug/L #	68
11) Carbon disulfide	3.016	76	171513	9.647	ug/L	100
12) Freon-113	3.023	101	70181	11.363	ug/L #	77
13) Iodomethane	3.123	142	95190	10.197	ug/L	99
14) Acrolein	3.296	56	6546	8.041	ug/L	94
15) Methylene chloride	3.542	84	73983	10.088	ug/L	74
17) Acetone	3.562	43	11512	10.116	ug/L	92
18) trans-1,2-Dichloroethene	3.695	96	71016	10.449	ug/L	78
19) Methyl acetate	3.688	43	26996	9.812	ug/L #	82
21) Methyl tert-butyl ether	3.788	73	113633	8.656	ug/L	89
22) tert-Butyl alcohol	3.861	59	14430	46.963	ug/L	95
24) Diisopropyl ether	4.147	45	149445	9.644	ug/L #	92
25) 1,1-Dichloroethane	4.273	63	128942	10.610	ug/L #	96
26) Halothane	4.320	117	54677	10.701	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.307	53	14846	11.023	ug/L		92
28) Ethyl tert-butyl ether	4.499	59	137014	9.497	ug/L	#	70
29) Vinyl acetate	4.506	43	56511	7.846	ug/L	#	92
30) cis-1,2-Dichloroethene	4.792	96	80086	10.339	ug/L	#	77
31) 2,2-Dichloropropane	4.892	77	94418	10.021	ug/L		79
33) Bromochloromethane	4.985	128	39411	10.476	ug/L	#	51
34) Cyclohexane	4.998	56	100189	10.039	ug/L		75
35) Chloroform	5.058	83	131072	10.382	ug/L		92
36) Ethyl acetate	5.164	43	29768	9.661	ug/L	#	92
37) Carbon tetrachloride	5.198	117	91647	10.444	ug/L		99
38) Tetrahydrofuran	5.204	42	10181M6	9.440	ug/L		
40) 1,1,1-Trichloroethane	5.258	97	103054	10.549	ug/L		91
42) 2-Butanone	5.344	43	13473	9.897	ug/L		93
43) 1,1-Dichloropropene	5.384	75	80862	10.834	ug/L		92
45) Benzene	5.625	78	242246	10.163	ug/L		94
46) tert-Amyl methyl ether	5.742	73	115072	8.969	ug/L		92
48) 1,2-Dichloroethane	5.824	62	74344	10.288	ug/L	#	96
51) Methyl cyclohexane	6.227	83	94839	9.997	ug/L	#	78
52) Trichloroethene	6.227	95	65091	10.381	ug/L	#	88
54) Dibromomethane	6.665	93	36794	10.211	ug/L	#	82
55) 1,2-Dichloropropane	6.768	63	57508	9.914	ug/L		96
57) 2-Chloroethyl vinyl ether	7.459	63	8041	5.976	ug/L	#	86
58) Bromodichloromethane	6.843	83	78593	9.385	ug/L	#	98
61) 1,4-Dioxane	7.042	88	21171	533.736	ug/L	#	84
62) cis-1,3-Dichloropropene	7.527	75	90424	9.933	ug/L	#	80
65) Toluene	7.801	92	156427	10.524	ug/L		99
66) 4-Methyl-2-pentanone	8.225	58	10541	9.511	ug/L	#	73
67) Tetrachloroethene	8.253	166	71389	10.542	ug/L	#	88
69) trans-1,3-Dichloropropene	8.280	75	76187	10.678	ug/L	#	77
71) Ethyl methacrylate	8.472	69	49619	10.536	ug/L	#	76
72) 1,1,2-Trichloroethane	8.465	83	35388	9.898	ug/L		94
73) Chlorodibromomethane	8.677	129	55094	9.746	ug/L	#	97
74) 1,3-Dichloropropane	8.787	76	76233	10.229	ug/L		100
75) 1,2-Dibromoethane	8.958	107	44679	10.390	ug/L		100
77) 2-Hexanone	9.245	43	17134	9.442	ug/L		91
78) Chlorobenzene	9.608	112	177484	10.552	ug/L		99
79) Ethylbenzene	9.656	91	296932	10.597	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.697	131	54964	9.660	ug/L		98
81) p/m Xylene	9.840	106	242338	21.122	ug/L		89
82) o Xylene	10.381	106	232220	20.685	ug/L		89

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250521AICAL\V30250521A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83)	Styrene	10.442	104	387709	21.062	ug/L		89
85)	Bromoform	10.463	173	31286	9.714	ug/L		99
87)	Isopropylbenzene	10.764	105	292609	10.802	ug/L		96
89)	Bromobenzene	11.196	156	76283	10.650	ug/L		100
90)	n-Propylbenzene	11.244	91	344818	11.027	ug/L		92
91)	1,4-Dichlorobutane	11.251	55	66668	10.486	ug/L		100
92)	1,1,2,2-Tetrachloroethane	11.320	83	42588	9.571	ug/L	#	99
93)	4-Ethyltoluene	11.368	105	292176	10.959	ug/L		96
94)	2-Chlorotoluene	11.409	91	204643M6	10.841	ug/L		
95)	1,3,5-Trimethylbenzene	11.464	105	221509	10.048	ug/L		95
96)	1,2,3-Trichloropropane	11.457	75	36619	10.335	ug/L		83
97)	trans-1,4-Dichloro-2-b...	11.512	53	10870	10.342	ug/L	#	79
98)	4-Chlorotoluene	11.587	91	214531	10.746	ug/L		89
99)	tert-Butylbenzene	11.807	119	216881	10.776	ug/L		89
102)	1,2,4-Trimethylbenzene	11.882	105	220678	10.357	ug/L		95
103)	sec-Butylbenzene	11.999	105	301978	10.761	ug/L		92
104)	p-Isopropyltoluene	12.150	119	257549	10.482	ug/L		94
105)	1,3-Dichlorobenzene	12.219	146	148079	10.579	ug/L		96
106)	1,4-Dichlorobenzene	12.308	146	149453	10.561	ug/L		97
107)	p-Diethylbenzene	12.527	119	140233	9.903	ug/L		94
108)	n-Butylbenzene	12.582	91	206327	10.759	ug/L	#	96
109)	1,2-Dichlorobenzene	12.733	146	136082	10.479	ug/L		96
110)	1,2,4,5-Tetramethylben...	13.316	119	200811	9.842	ug/L		94
111)	1,2-Dibromo-3-chloropr...	13.508	155	8652	10.960	ug/L		95
112)	1,3,5-Trichlorobenzene	13.549	180	91101	9.641	ug/L	#	92
113)	Hexachlorobutadiene	14.126	225	34806	9.754	ug/L		99
114)	1,2,4-Trichlorobenzene	14.146	180	86063	10.183	ug/L		98
115)	Naphthalene	14.434	128	172747	10.478	ug/L		100
116)	1,2,3-Trichlorobenzene	14.606	180	83818	10.615	ug/L		98

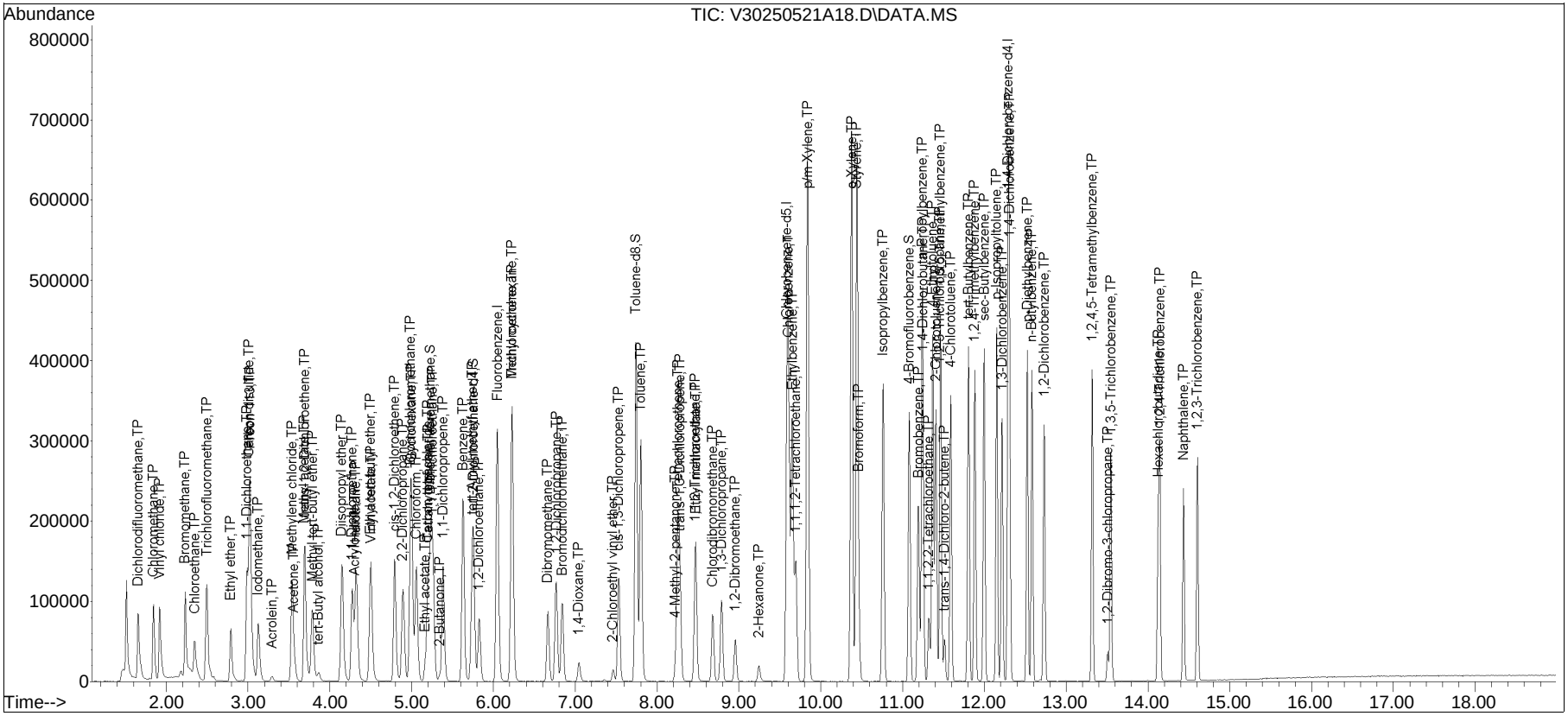
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250521AICAL\
Data File : V30250521A18.D
Acq On : 21 May 2025 08:23 am
Operator : VOA130:KJD
Sample : C8260STD10PPB
Misc : WG2069452
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 09:57:28 2025
Quant Method : K:\VOA130\2025\250521AICAL\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

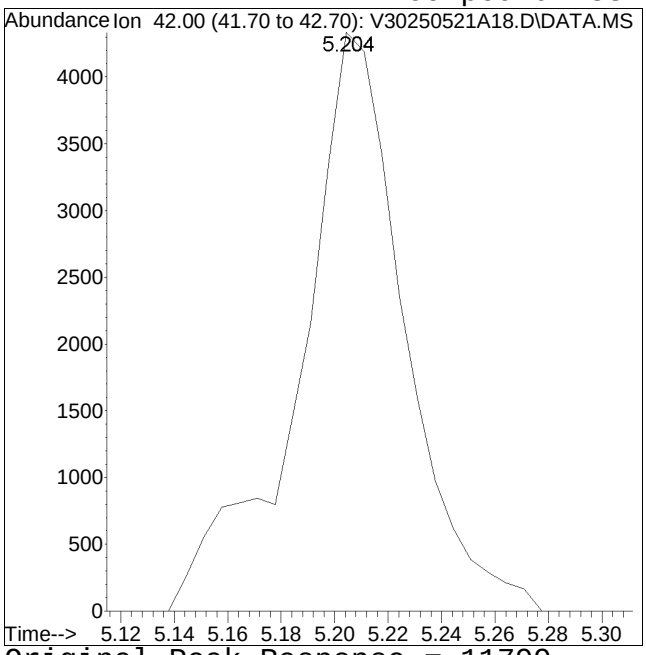
Sub List : 8260-Curve - Megamix plus Diox\V30250521A09.D•



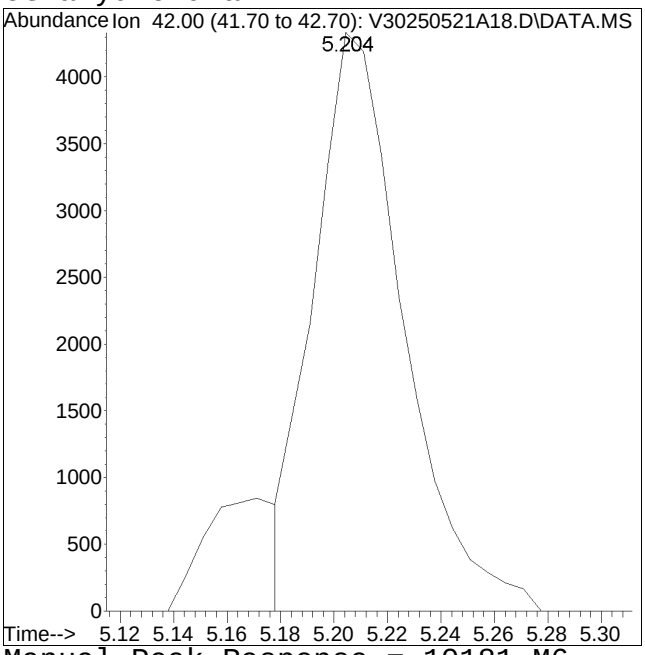
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A18.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 8:23 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 5/23/2025 9:56 am

Compound #38: Tetrahydrofuran



Original Peak Response = 11799



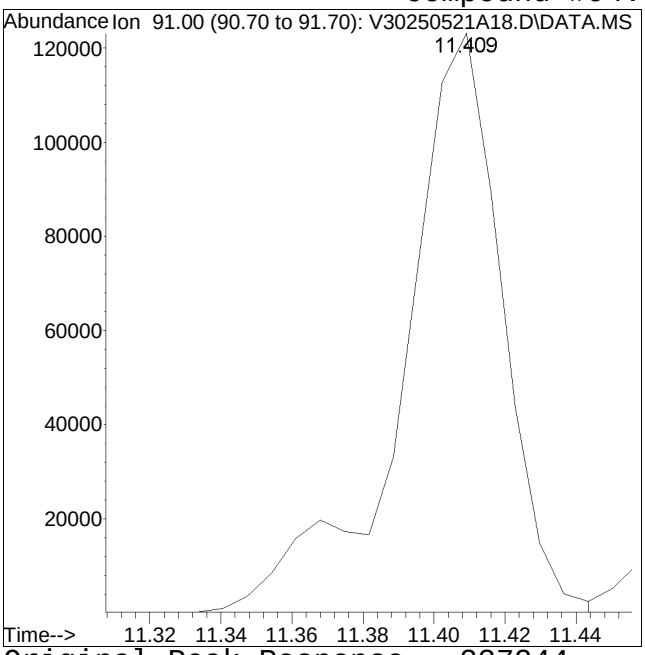
Manual Peak Response = 10181 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

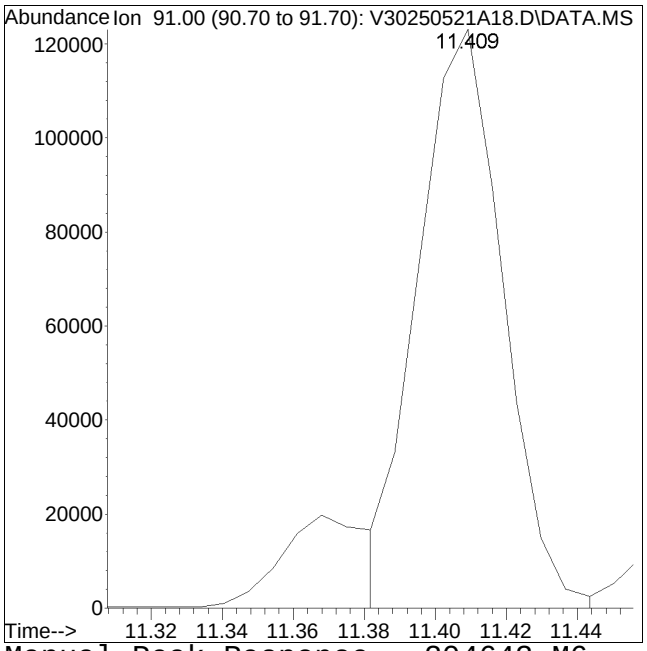
Manual Integration Report

Data Path : K:\VOA130\2025\250521AICALQMethod : V130_250521A_8260D.m
Data File : V30250521A18.D Operator : VOA130:KJD
Date Inj'd : 5/21/2025 8:23 am Instrument : VOA130
Sample : C8260STD10PPB Quant Date : 5/23/2025 9:56 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 237244



Manual Peak Response = 204643 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report VOA130

Method Path : K:\VOA130\2025\250521AICAL\
Method File : V130_250521A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 09:12:33 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
17	TP Acetone	L	ug/L	10.0	9.593	-4.1	0.50	0.385	-23.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
17	TP Acetone	Linear	0.998082	0.000000	0.0290574	0.00409755

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
Method File : Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------	ISTD	----------							
2)	TP	Dichlorodifluo...		0.264	0.385	0.378	0.330	0.311	0.305	0.283	0.322	14.14
3)	TP	Chloromethane		0.345	0.404	0.399	0.333	0.315	0.306	0.289	0.341	13.09
4)	TP	Vinyl chloride	0.297	0.255	0.372	0.352	0.299	0.270	0.262	0.244	0.294	15.80
5)	TP	Bromomethane		0.159	0.207	0.166	0.158	0.153	0.155	0.147	0.164	12.26
6)	TP	Chloroethane		0.180	0.235	0.227	0.192	0.175	0.170	0.157	0.191	15.49
7)	TP	Trichlorofluor...		0.325	0.467	0.443	0.378	0.357	0.360	0.348	0.383	13.73
8)	TP	Ethyl ether		0.083	0.110	0.131	0.129	0.129	0.131	0.129	0.120	15.01
10)	TP	1,1-Dichloroet...		0.193	0.284	0.258	0.222	0.210	0.211	0.203	0.226	14.60
11)	TP	Carbon disulfide		0.673	0.843	0.802	0.695	0.666	0.670	0.639	0.713	10.90
12)	TP	Freon-113		0.155	0.250	0.258	0.231	0.224	0.226	0.215	0.223	14.97
13)	TP	Iodomethane		0.430	0.364	0.385	0.332	0.335	0.314	0.307	0.353	12.40
14)	TP	Acrolein		0.045	0.037	0.037	0.033	0.031	0.032	0.031	0.035	14.70
15)	TP	Methylene chlo...		0.253	0.261	0.282	0.241	0.233	0.233	0.231	0.248	7.61
17)	TP	Acetone			0.071	0.054	0.053	0.052	0.051	0.051	0.055	13.82
18)	TP	trans-1,2-Dich...		0.186	0.258	0.265	0.232	0.225	0.227	0.222	0.231	11.30
19)	TP	Methyl acetate			0.151	0.145	0.124	0.124	0.127	0.125	0.133	9.06
21)	TP	Methyl tert-bu...		0.413	0.487	0.528	0.542	0.559	0.578	0.578	0.527	11.27
22)	TP	tert-Butyl alc...		0.010	0.008	0.011	0.011	0.010	0.011	0.011	0.010	10.51
24)	TP	Diisopropyl ether		0.762	0.852	0.862	0.819	0.827	0.836	0.818	0.825	3.91
25)	TP	1,1-Dichloroet...		0.461	0.530	0.528	0.443	0.420	0.412	0.395	0.456	11.92
26)	TP	Halothane		0.117	0.176	0.187	0.175	0.180	0.181	0.183	0.171	14.21
27)	TP	Acrylonitrile		0.059	0.073	0.074	0.070	0.066	0.066	0.062	0.067	8.45
28)	TP	Ethyl tert-but...		0.555	0.623	0.649	0.641	0.662	0.688	0.692	0.644	7.20
29)	TP	Vinyl acetate		0.388	0.465	0.425	0.416	0.440	0.479	0.427	0.434	7.03
30)	TP	cis-1,2-Dichlo...		0.254	0.284	0.299	0.263	0.258	0.258	0.255	0.267	6.50
31)	TP	2,2-Dichloropr...		0.292	0.385	0.402	0.362	0.351	0.348	0.335	0.354	10.07
33)	TP	Bromochloromet...		0.109	0.141	0.142	0.125	0.124	0.126	0.125	0.127	8.84
34)	TP	Cyclohexane		0.377	0.494	0.536	0.497	0.499	0.499	0.479	0.483	10.34
35)	TP	Chloroform		0.416	0.483	0.464	0.411	0.402	0.402	0.399	0.425	7.99
36)	TP	Ethyl acetate			0.183	0.166	0.172	0.175	0.181	0.177	0.176	3.64

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
Method File : Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP	Carbon tetrach...	0.244	0.229	0.313	0.332	0.309	0.328	0.320	0.320	0.299	13.31
38)	TP	Tetrahydrofuran		0.082	0.062	0.062	0.057	0.060	0.054	0.059	0.063	14.71
39)	S	Dibromofluorom...	0.292	0.288	0.287	0.294	0.279	0.259	0.264	0.264	0.278	5.09
40)	TP	1,1,1-Trichlor...		0.274	0.358	0.383	0.350	0.354	0.354	0.349	0.346	9.74
42)	TP	2-Butanone			0.099	0.077	0.074	0.076	0.078	0.076	0.080	11.94
43)	TP	1,1-Dichloropr...		0.167	0.250	0.278	0.286	0.290	0.293	0.288	0.265	17.21
45)	TP	Benzene	0.835	0.792	0.914	0.940	0.919	0.951	0.961	0.957	0.909	6.84
46)	TP	tert-Amyl meth...		0.511	0.518	0.566	0.532	0.546	0.569	0.575	0.545	4.75
47)	S	1,2-Dichloroet...	0.283	0.281	0.284	0.302	0.261	0.268	0.265	0.261	0.276	5.19
48)	T	1,2-Dichloroet...	0.228	0.271	0.299	0.300	0.276	0.268	0.270	0.259	0.271	8.48
51)	TP	Methyl cyclohe...		0.305	0.405	0.432	0.409	0.430	0.445	0.444	0.410	11.94
52)	TP	Trichloroethene	0.192	0.177	0.200	0.224	0.233	0.244	0.249	0.260	0.222	13.33
54)	TP	Dibromomethane		0.117	0.131	0.135	0.130	0.129	0.132	0.132	0.129	4.37
55)	TP	1,2-Dichloropr...		0.187	0.225	0.246	0.248	0.251	0.252	0.249	0.237	10.08
57)	TP	2-Chloroethyl ...		0.074	0.101	0.113	0.113	0.115	0.117	0.118	0.107	14.87
58)	TP	Bromodichlorom...		0.265	0.290	0.315	0.308	0.321	0.324	0.323	0.307	7.20
61)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	9.63
62)	TP	cis-1,3-Dichlo...	0.267	0.276	0.308	0.347	0.371	0.382	0.391	0.388	0.341	14.89
63)	I	Chlorobenzene-d5	----------ISTD----------									
64)	S	Toluene-d8	1.307	1.291	1.297	1.294	1.240	1.245	1.235	1.172	1.260	3.63
65)	TP	Toluene		0.611	0.767	0.769	0.718	0.744	0.749	0.749	0.730	7.56
66)	TP	4-Methyl-2-pen...		0.064	0.068	0.077	0.074	0.075	0.076	0.073	0.072	6.53
67)	TP	Tetrachloroethene	0.317	0.242	0.312	0.318	0.303	0.313	0.317	0.317	0.305	8.52
69)	TP	trans-1,3-Dich...	0.249	0.326	0.319	0.351	0.372	0.400	0.408	0.409	0.354	15.66
71)	TP	Ethyl methacry...		0.313	0.307	0.314	0.299	0.298	0.307	0.296	0.305	2.38
72)	TP	1,1,2-Trichlor...		0.162	0.169	0.166	0.172	0.185	0.187	0.189	0.176#	6.24
73)	TP	Chlorodibromom...		0.207	0.239	0.255	0.273	0.306	0.313	0.326	0.274	15.80
74)	TP	1,3-Dichloropr...		0.312	0.349	0.358	0.369	0.400	0.407	0.401	0.371	9.37
75)	TP	1,2-Dibromoethane		0.178	0.199	0.201	0.210	0.227	0.233	0.231	0.211	9.63
77)	TP	2-Hexanone		0.218	0.178	0.166	0.151	0.150	0.147	0.138	0.164	16.74
78)	TP	Chlorobenzene		0.749	0.879	0.873	0.832	0.870	0.883	0.886	0.853	5.77

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
Method File : Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP	Ethylbenzene		1.299	1.532	1.528	1.445	1.537	1.570	1.540	1.493	6.28	
80)	TP	1,1,1,2-Tetrac...		0.222	0.253	0.274	0.268	0.304	0.321	0.326	0.281	13.45	
81)	TP	p/m Xylene		0.567	0.629	0.626	0.592	0.649	0.659	0.646	0.624	5.34	
82)	TP	o Xylene		0.552	0.615	0.627	0.592	0.645	0.656	0.636	0.617	5.77	
83)	TP	Styrene		0.929	1.029	1.041	1.005	1.104	1.117	1.048	1.039	6.07	
84)	I	1,4-Dichlorobenzene-d4	ISTD										
85)	TP	Bromoform		0.222	0.266	0.275	0.299	0.328	0.350	0.338	0.297	15.36	
87)	TP	Isopropylbenzene		2.396	2.771	2.847	2.760	2.809	2.919	2.789	2.756	6.08	
88)	S	4-Bromofluorob...	0.851	0.834	0.835	0.826	0.823	0.769	0.777	0.732	0.806	5.15	
89)	TP	Bromobenzene		0.559	0.650	0.641	0.622	0.630	0.660	0.647	0.630	5.35	
90)	TP	n-Propylbenzene		2.801	3.322	3.404	3.273	3.340	3.432	3.163	3.248	6.64	
91)	TP	1,4-Dichlorobu...		0.777	0.769	0.781	0.762	0.748	0.768	0.726	0.762	2.50	
92)	TP	1,1,2,2-Tetrac...	0.438	0.462	0.449	0.443	0.433	0.418	0.440	0.414	0.437	3.57	
93)	TP	4-Ethyltoluene		2.401	2.886	2.885	2.724	2.804	2.912	2.766	2.768	6.37	
94)	TP	2-Chlorotoluene		1.783	2.005	1.935	1.893	1.929	2.032	1.913	1.927	4.19	
95)	TP	1,3,5-Trimethy...		1.977	2.374	2.452	2.451	2.575	2.664	2.499	2.427	9.05	
96)	TP	1,2,3-Trichlor...		0.359	0.365	0.379	0.370	0.388	0.400	0.398	0.380	4.19	
97)	TP	trans-1,4-Dich...		0.163	0.150	0.159	0.152	0.150	0.155	0.147	0.154	3.70	
98)	TP	4-Chlorotoluene		1.865	2.032	2.064	1.968	2.020	2.082	1.987	2.002	3.61	
99)	TP	tert-Butylbenzene		1.816	2.165	2.162	2.104	2.170	2.230	2.127	2.111	6.42	
102)	TP	1,2,4-Trimethy...		1.844	2.277	2.419	2.425	2.520	2.568	2.457	2.359	10.38	
103)	TP	sec-Butylbenzene		2.457	3.115	3.155	3.055	3.166	3.220	3.042	3.030	8.59	
104)	TP	p-Isopropyltol...		2.137	2.715	2.797	2.737	2.835	2.869	2.735	2.689	9.30	
105)	TP	1,3-Dichlorobe...		1.275	1.368	1.410	1.363	1.422	1.465	1.445	1.393	4.59	
106)	TP	1,4-Dichlorobe...		1.347	1.321	1.361	1.331	1.394	1.435	1.432	1.374	3.40	
107)	TP	p-Diethylbenzene		1.151	1.535	1.682	1.658	1.737	1.781	1.729	1.611	13.49	
108)	TP	n-Butylbenzene		1.699	2.169	2.307	2.302	2.367	2.402	2.297	2.220	10.85	
109)	TP	1,2-Dichlorobe...		1.151	1.301	1.329	1.280	1.318	1.350	1.341	1.296	5.26	
110)	TP	1,2,4,5-Tetram...		2.159	2.313	2.474	2.509	2.667	2.845	2.599	2.509	9.03	
111)	TP	1,2-Dibromo-3-...		0.059	0.079	0.083	0.083	0.080	0.086	0.081	0.079	11.34	
112)	TP	1,3,5-Trichlor...		0.842	0.925	0.934	0.928	0.969	1.032	0.973	0.943	6.17	

Method Path : K:\Elaine\2025\250523AICAL\
Method File : Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025
Response Via : Initial Calibration

Calibration Files
L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

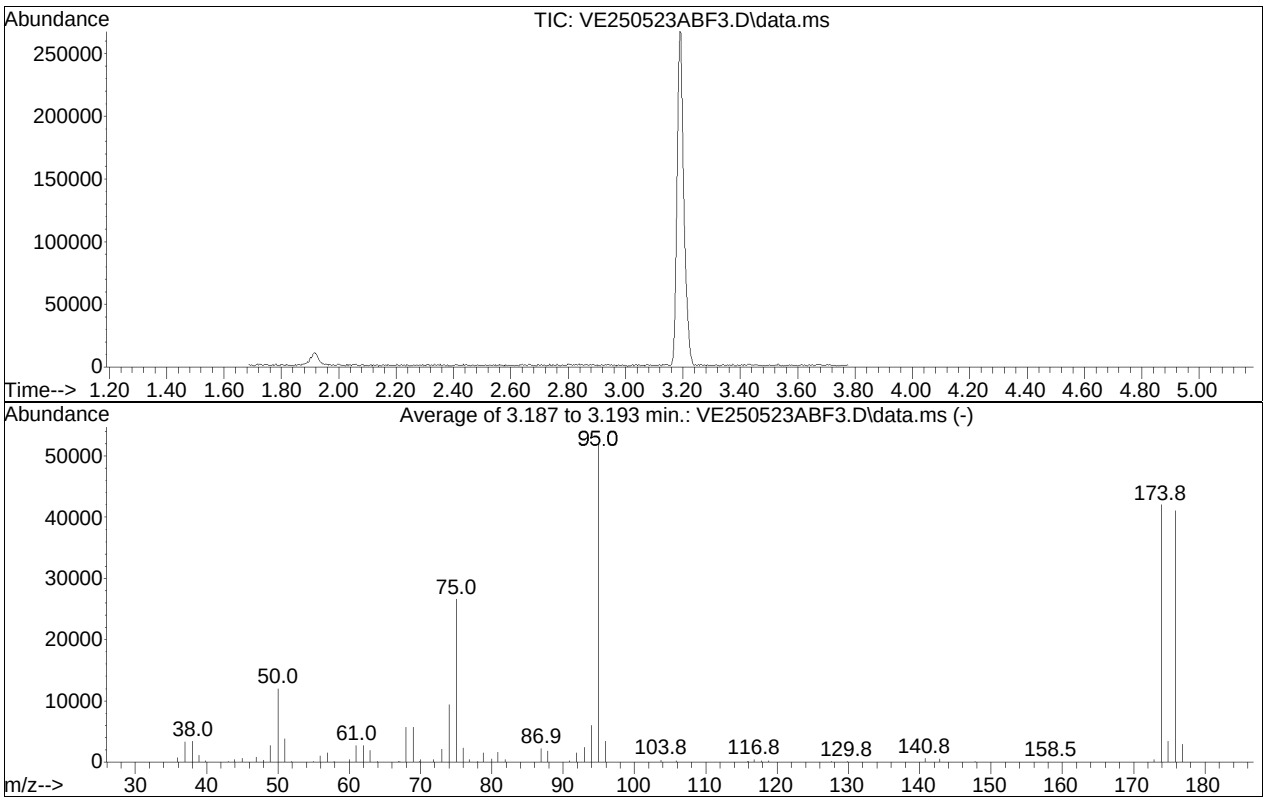
	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113) TP	Hexachlorobuta...	0.234	0.306	0.281	0.271	0.265	0.267	0.245	0.267	8.72	
114) TP	1,2,4-Trichlor...	0.762	0.836	0.847	0.829	0.878	0.916	0.861	0.847	5.61	
115) TP	Naphthalene	1.948	1.942	1.975	1.921	2.010	2.079	1.972	1.978	2.67	
116) TP	1,2,3-Trichlor...	0.790	0.768	0.755	0.740	0.759	0.768	0.736	0.759	2.42	

(#) = Out of Range

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523ABF3.D
Acq On : 23 May 2025 12:35 am
Operator : ELAINE:TMS
Sample : WG2070650-1
Misc : WG2070650,ICAL
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025



Spectrum Information: Average of 3.187 to 3.193 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	11968	PASS
75	95	30	60	51.0	26616	PASS
95	95	100	100	100.0	52189	PASS
96	95	5	9	6.6	3426	PASS
173	174	0.00	2	0.9	385	PASS
174	95	50	100	80.5	42032	PASS
175	174	5	9	8.2	3430	PASS
176	174	95	101	97.8	41123	PASS
177	176	5	9	7.0	2872	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A03.D
Acq On : 23 May 2025 1:46 am
Operator : ELAINE:JIC
Sample : I8260STD0.19PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 19:41:58 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	265975	10.000 ug/L	0.00
Standard Area 1 = 275801			Recovery =	96.44%	
63) Chlorobenzene-d5	9.253	117	216014	10.000 ug/L	0.00
Standard Area 1 = 232323			Recovery =	92.98%	
84) 1,4-Dichlorobenzene-d4	12.011	152	125299	10.000 ug/L	0.00
Standard Area 1 = 130581			Recovery =	95.96%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	77761	9.933 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.33%	
47) 1,2-Dichloroethane-d4	5.465	65	75261	9.367 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.67%	
64) Toluene-d8	7.420	98	282371	10.103 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.03%	
88) 4-Bromofluorobenzene	10.781	95	106593	10.293 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	102.93%	
Target Compounds					Qvalue
4) Vinyl chloride	1.759	62	1503	0.161 ug/L	84
37) Carbon tetrachloride	4.894	117	1232M4	0.139 ug/L	
45) Benzene	5.333	78	4218	0.169 ug/L #	86
48) 1,2-Dichloroethane	5.544	62	1150M6	0.144 ug/L	
52) Trichloroethene	5.922	95	972	0.163 ug/L #	76
62) cis-1,3-Dichloropropene	7.230	75	1351	0.147 ug/L #	38
67) Tetrachloroethene	7.923	166	1303	0.190 ug/L	89
69) trans-1,3-Dichloropropene	7.959	75	1020	0.135 ug/L #	1
92) 1,1,2,2-Tetrachloroethane	11.028	83	1042M6	0.188 ug/L	

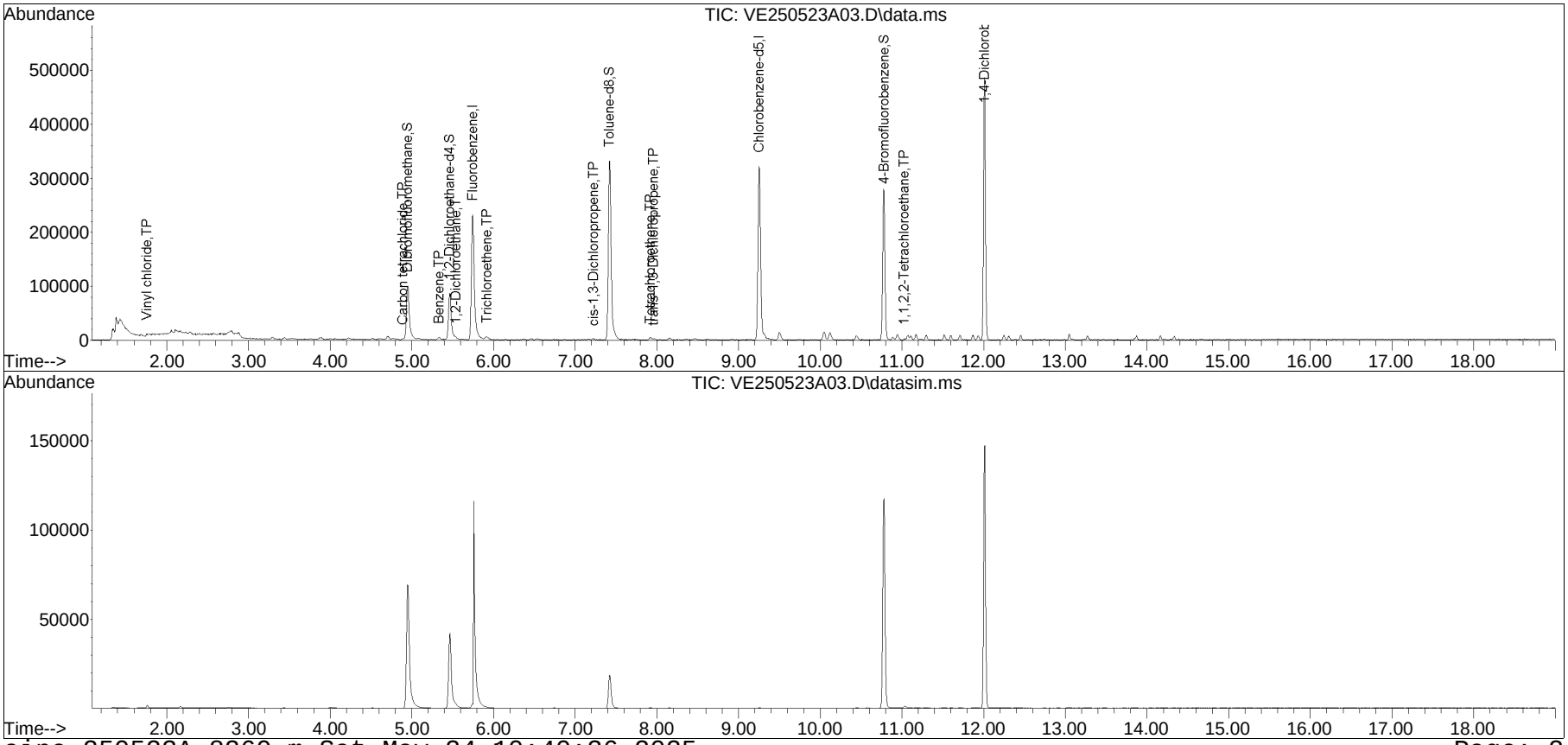
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A03.D
Acq On : 23 May 2025 1:46 am
Operator : ELAINE:JIC
Sample : I8260STD0.19PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 19:41:58 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

Sub List : 8260-L11_NJnew - L11 new NJCAL\VE250523A09.D•

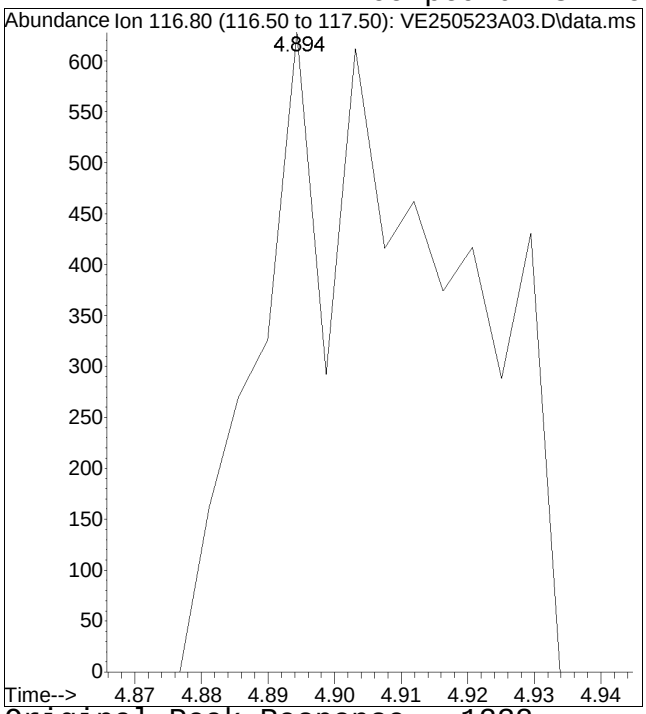


Manual Integration Report

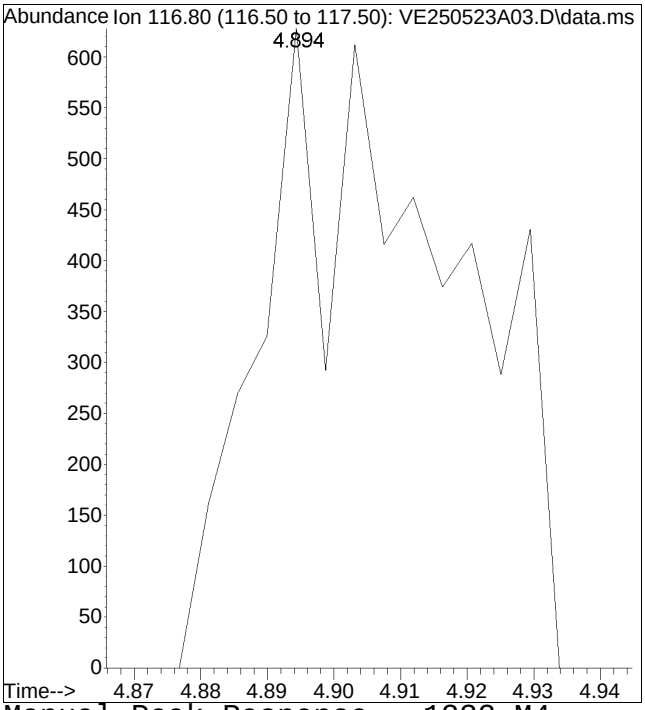
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A03.D
Date Inj'd : 5/23/2025 1:46 am
Sample : I8260STD0.19PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1232



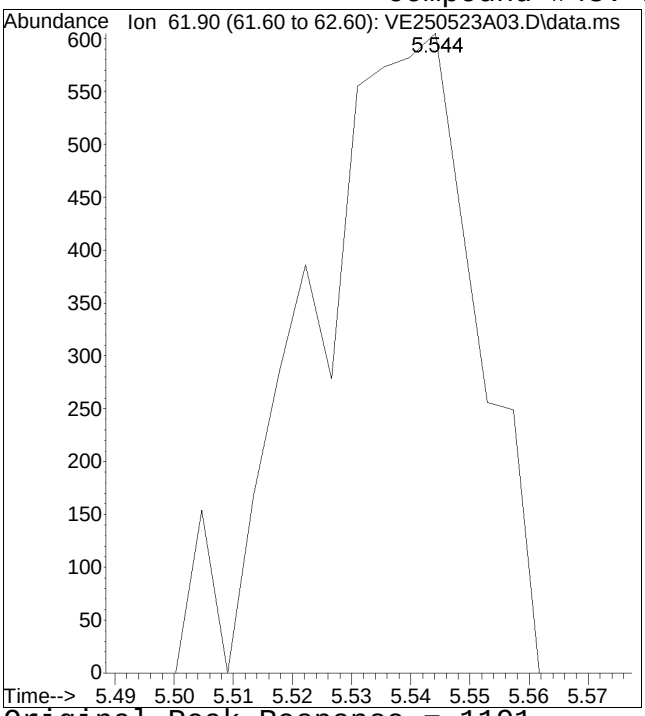
Manual Peak Response = 1232 M4

M4 = Baseline adjustment required

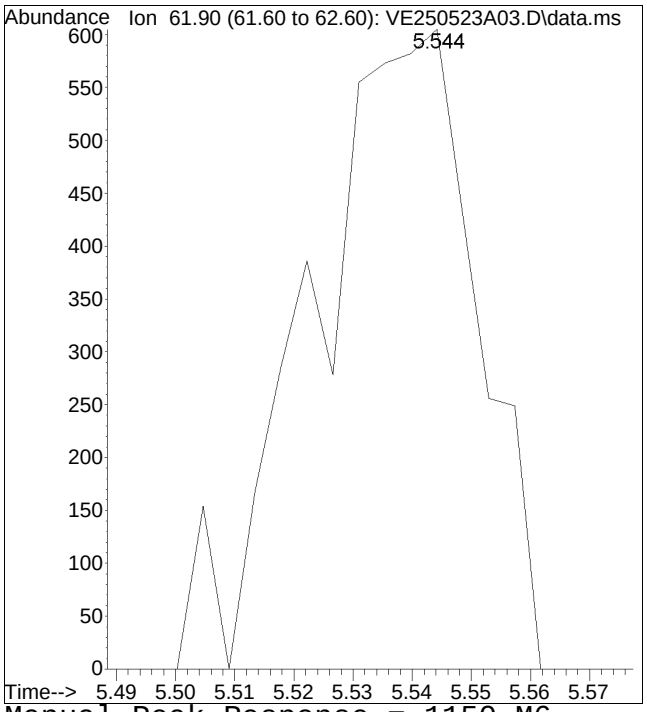
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A03.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 1:46 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 5/23/2025 7:39 pm

Compound #48: 1,2-Dichloroethane



Original Peak Response = 1191



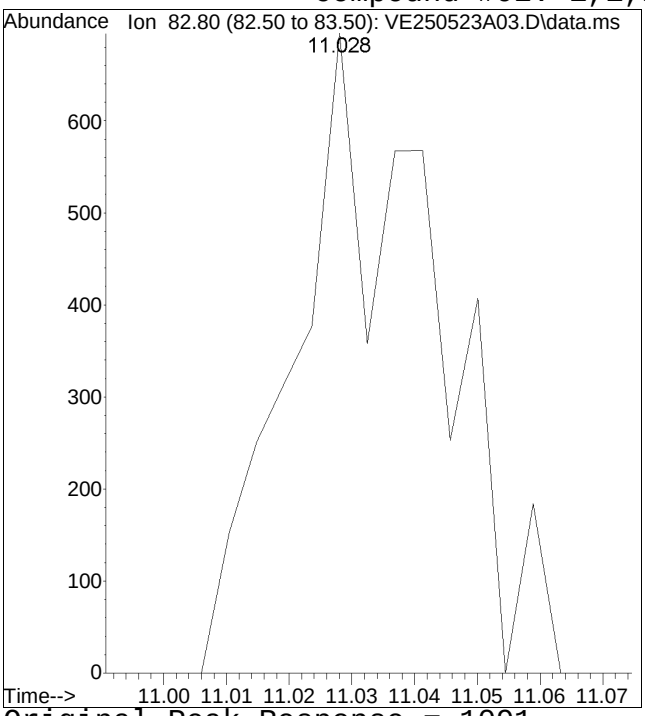
Manual Peak Response = 1150 M6

M6 = Misassignment of peak valley

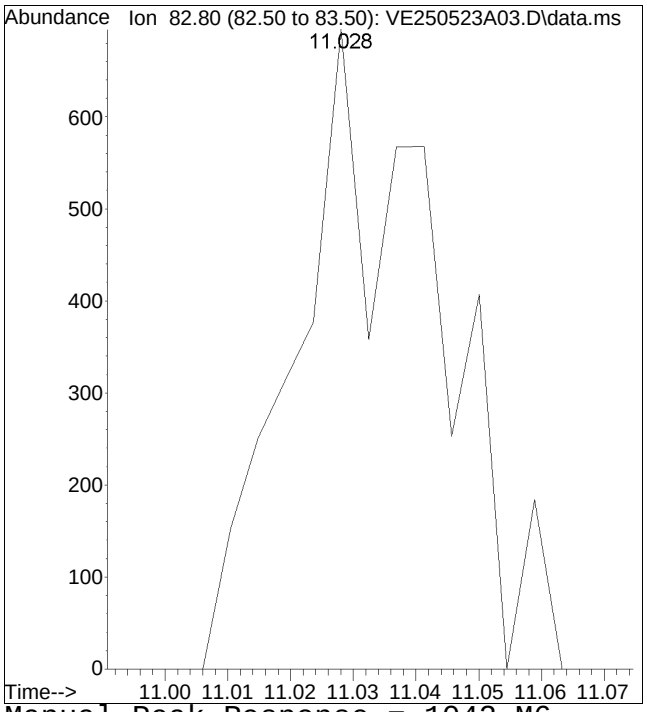
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A03.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 1:46 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 5/23/2025 7:39 pm

Compound #92: 1,1,2,2-Tetrachloroethane



Original Peak Response = 1091



Manual Peak Response = 1042 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A05.D
Acq On : 23 May 2025 2:35 am
Operator : ELAINE:JIC
Sample : I8260STD0.5PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	268919	10.000 ug/L	0.00
Standard Area 1 = 275801			Recovery =	97.50%	
63) Chlorobenzene-d5	9.253	117	217748	10.000 ug/L	0.00
Standard Area 1 = 232323			Recovery =	93.73%	
84) 1,4-Dichlorobenzene-d4	12.011	152	126670	10.000 ug/L	0.00
Standard Area 1 = 130581			Recovery =	97.00%	
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	77482	9.789 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.89%	
47) 1,2-Dichloroethane-d4	5.465	65	75581	9.304 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.04%	
64) Toluene-d8	7.425	98	281094	9.978 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.78%	
88) 4-Bromofluorobenzene	10.777	95	105699	10.096 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.96%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.509	85	3555	0.350 ug/L	93
3) Chloromethane	1.689	50	4640	0.433 ug/L	93
4) Vinyl chloride	1.759	62	3427	0.362 ug/L	98
5) Bromomethane	2.054	94	2137	0.480 ug/L	85
6) Chloroethane	2.168	64	2416M6	0.396 ug/L	
7) Trichlorofluoromethane	2.295	101	4371M6	0.367 ug/L	
8) Ethyl ether	2.572	74	1116	0.337 ug/L #	24
10) 1,1-Dichloroethene	2.752	96	2592	0.373 ug/L	93
11) Carbon disulfide	2.787	76	9049	0.420 ug/L	91
12) Freon-113	2.791	101	2086M6	0.301 ug/L	
13) Iodomethane	2.888	142	5781	0.558 ug/L	89
14) Acrolein	3.063	56	608M6	0.611 ug/L	
15) Methylene chloride	3.292	84	3401	0.449 ug/L	89
17) Acetone	3.331	43	2061M6	1.423 ug/L	
18) trans-1,2-Dichloroethene	3.432	96	2495	0.350 ug/L	96
19) Methyl acetate	3.441	43	2765	0.711 ug/L #	62
21) Methyl tert-butyl ether	3.529	73	5553	0.391 ug/L #	12
22) tert-Butyl alcohol	3.630	59	688	2.309 ug/L #	100
24) Diisopropyl ether	3.885	45	10252	0.442 ug/L #	66
25) 1,1-Dichloroethane	4.007	63	6193	0.436 ug/L	96
26) Halothane	4.060	117	1571M6	0.312 ug/L	

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A05.D
Acq On : 23 May 2025 2:35 am
Operator : ELAINE:JIC
Sample : I8260STD0.5PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.047	53	793M6	0.396	ug/L		
28) Ethyl tert-butyl ether	4.236	59	7465	0.427	ug/L		96
29) Vinyl acetate	4.245	43	5222M6	0.457	ug/L		
30) cis-1,2-Dichloroethene	4.512	96	3416M6	0.425	ug/L		
31) 2,2-Dichloropropane	4.622	77	3924	0.363	ug/L	#	74
33) Bromochloromethane	4.706	128	1470	0.385	ug/L		82
34) Cyclohexane	4.710	56	5064	0.351	ug/L		94
35) Chloroform	4.776	83	5588	0.447	ug/L		99
36) Ethyl acetate	0.000		0	N.D.	d		
37) Carbon tetrachloride	4.921	117	3074M6	0.344	ug/L		
38) Tetrahydrofuran	4.921	42	1106M3	0.658	ug/L		
40) 1,1,1-Trichloroethane	4.978	97	3687	0.358	ug/L	#	88
42) 2-Butanone	5.057	43	2544M6	1.231	ug/L		
43) 1,1-Dichloropropene	5.088	75	2241	0.300	ug/L		92
45) Benzene	5.333	78	10650	0.421	ug/L		96
46) tert-Amyl methyl ether	5.448	73	6865	0.451	ug/L		93
48) 1,2-Dichloroethane	5.531	62	3646	0.451	ug/L		95
51) Methyl cyclohexane	5.904	83	4096	0.352	ug/L		95
52) Trichloroethene	5.927	95	2374	0.394	ug/L		90
54) Dibromomethane	6.357	93	1577	0.435	ug/L		91
55) 1,2-Dichloropropane	6.461	63	2513M6	0.380	ug/L		
57) 2-Chloroethyl vinyl ether	7.149	63	990	0.325	ug/L	#	1
58) Bromodichloromethane	6.538	83	3559M6	0.420	ug/L		
61) 1,4-Dioxane	6.741	88	2988	84.509	ug/L	#	76
62) cis-1,3-Dichloropropene	7.230	75	3710	0.398	ug/L	#	64
65) Toluene	7.484	92	6647	0.397	ug/L		94
66) 4-Methyl-2-pentanone	7.923	58	695	0.417	ug/L	#	1
67) Tetrachloroethene	7.923	166	2633	0.380	ug/L		97
69) trans-1,3-Dichloropropene	7.968	75	3553	0.465	ug/L		82
71) Ethyl methacrylate	8.158	69	3407	0.499	ug/L	#	75
72) 1,1,2-Trichloroethane	8.153	83	1767	0.489	ug/L		93
73) Chlorodibromomethane	8.352	129	2256	0.406	ug/L		95
74) 1,3-Dichloropropane	8.466	76	3392	0.435	ug/L		91
75) 1,2-Dibromoethane	8.624	107	1934	0.441	ug/L		84
77) 2-Hexanone	8.936	43	2378M6	0.658	ug/L		
78) Chlorobenzene	9.276	112	8160	0.429	ug/L	#	77
79) Ethylbenzene	9.312	91	14141	0.425	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.362	131	2419M6	0.405	ug/L		
81) p/m Xylene	9.502	106	12341	0.906	ug/L		89
82) o Xylene	10.049	106	12010	0.880	ug/L		90

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A05.D
Acq On : 23 May 2025 2:35 am
Operator : ELAINE:JIC
Sample : I8260STD0.5PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.117	104	20222	0.892	ug/L		99
85) Bromoform	10.149	173	1409	0.405	ug/L		97
87) Isopropylbenzene	10.442	105	15178	0.421	ug/L		99
89) Bromobenzene	10.891	156	3540	0.436	ug/L		97
90) n-Propylbenzene	10.940	91	17743	0.411	ug/L		100
91) 1,4-Dichlorobutane	10.962	55	4920M6	0.498	ug/L		
92) 1,1,2,2-Tetrachloroethane	11.037	83	2923	0.521	ug/L		99
93) 4-Ethyltoluene	11.072	105	15204	0.416	ug/L		100
94) 2-Chlorotoluene	11.107	91	11295M6	0.461	ug/L		
95) 1,3,5-Trimethylbenzene	11.169	105	12523	0.403	ug/L		95
96) 1,2,3-Trichloropropane	11.173	75	2276	0.474	ug/L		95
97) trans-1,4-Dichloro-2-b...	11.222	53	1033M6	0.513	ug/L		
98) 4-Chlorotoluene	11.297	91	11815	0.452	ug/L		98
99) tert-Butylbenzene	11.513	119	11504	0.420	ug/L		94
102) 1,2,4-Trimethylbenzene	11.601	105	11677	0.381	ug/L		98
103) sec-Butylbenzene	11.711	105	15563	0.389	ug/L		97
104) p-Isopropyltoluene	11.870	119	13533	0.382	ug/L		99
105) 1,3-Dichlorobenzene	11.936	146	8074	0.452	ug/L		95
106) 1,4-Dichlorobenzene	12.024	146	8530M3	0.495	ug/L		
107) p-Diethylbenzene	12.248	119	7292	0.342	ug/L		95
108) n-Butylbenzene	12.306	91	10763	0.368	ug/L		96
109) 1,2-Dichlorobenzene	12.455	146	7287	0.433	ug/L		96
110) 1,2,4,5-Tetramethylben...	13.046	119	13677	0.436	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.235	155	376	0.356	ug/L	#	72
112) 1,3,5-Trichlorobenzene	13.275	180	5332	0.451	ug/L		99
113) Hexachlorobutadiene	13.856	225	1485	0.417	ug/L	#	85
114) 1,2,4-Trichlorobenzene	13.874	180	4827	0.450	ug/L		92
115) Naphthalene	14.160	128	12339	0.493	ug/L		100
116) 1,2,3-Trichlorobenzene	14.332	180	5003	0.523	ug/L		94

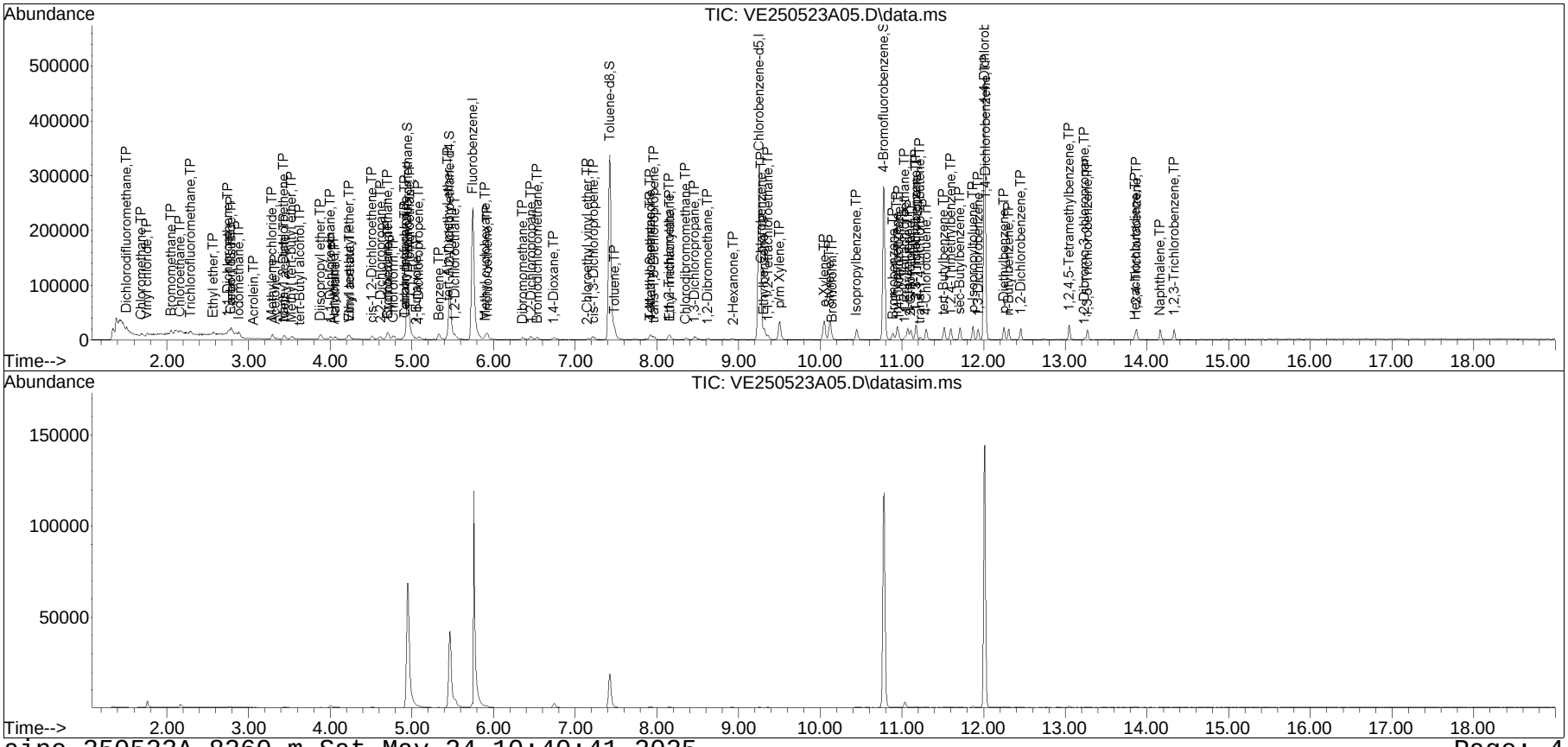
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A05.D
Acq On : 23 May 2025 2:35 am
Operator : ELAINE:JIC
Sample : I8260STD0.5PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•

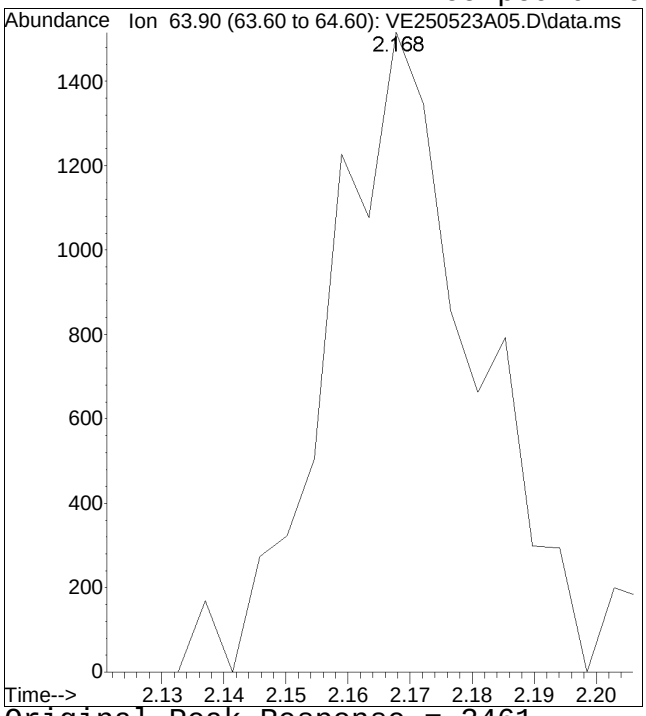


Manual Integration Report

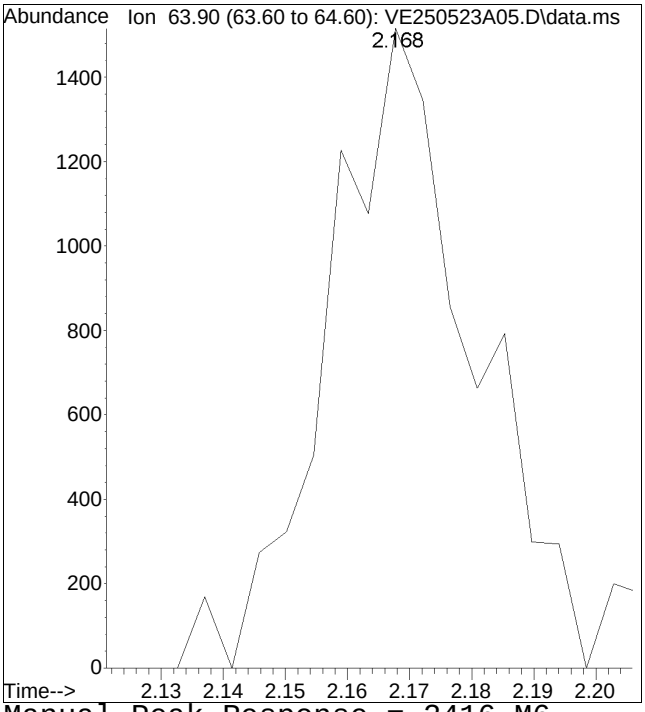
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A05.D
Date Inj'd : 5/23/2025 2:35 am
Sample : I8260STD0.5PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #6: Chloroethane



Original Peak Response = 2461



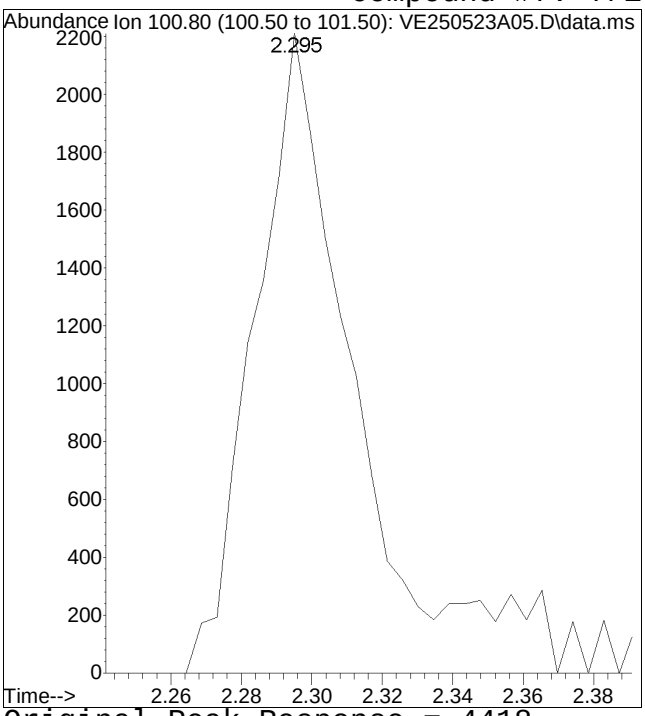
Manual Peak Response = 2416 M6

M6 = Misassignment of peak valley

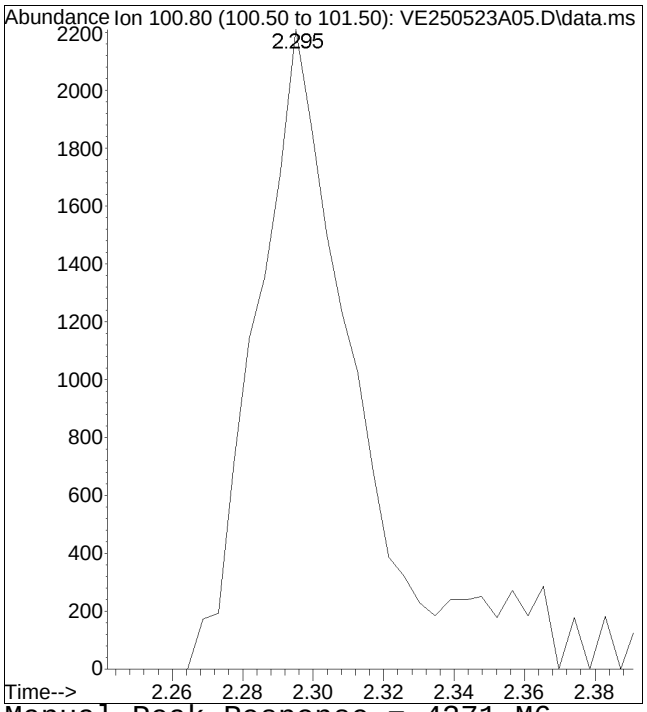
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 4418



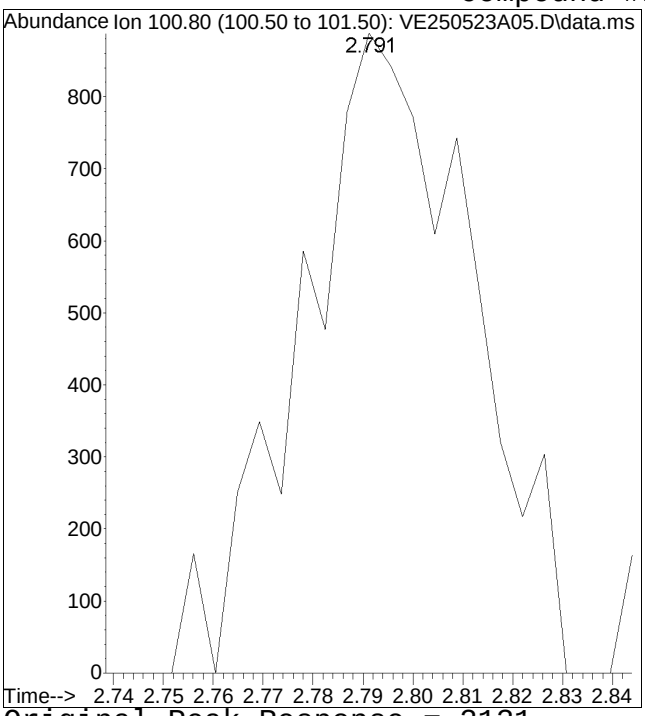
Manual Peak Response = 4371 M6

M6 = Misassignment of peak valley

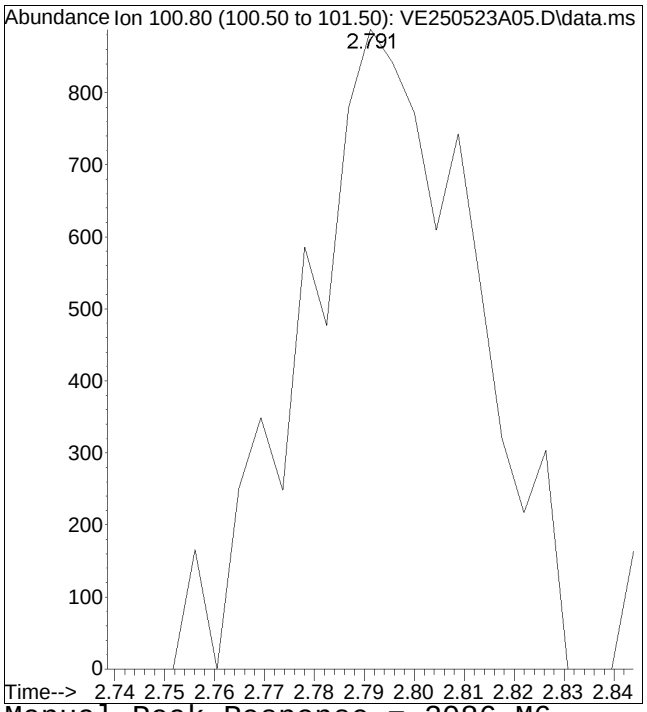
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #12: Freon-113



Original Peak Response = 2131



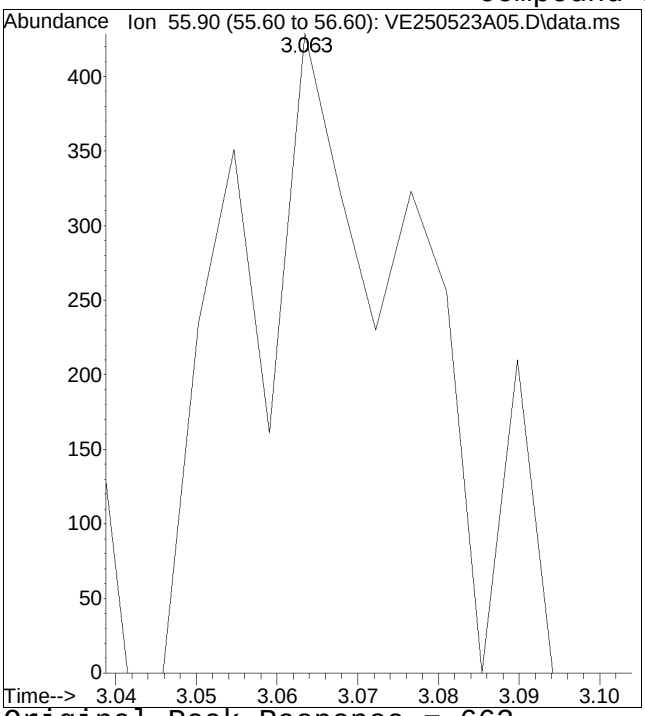
Manual Peak Response = 2086 M6

M6 = Misassignment of peak valley

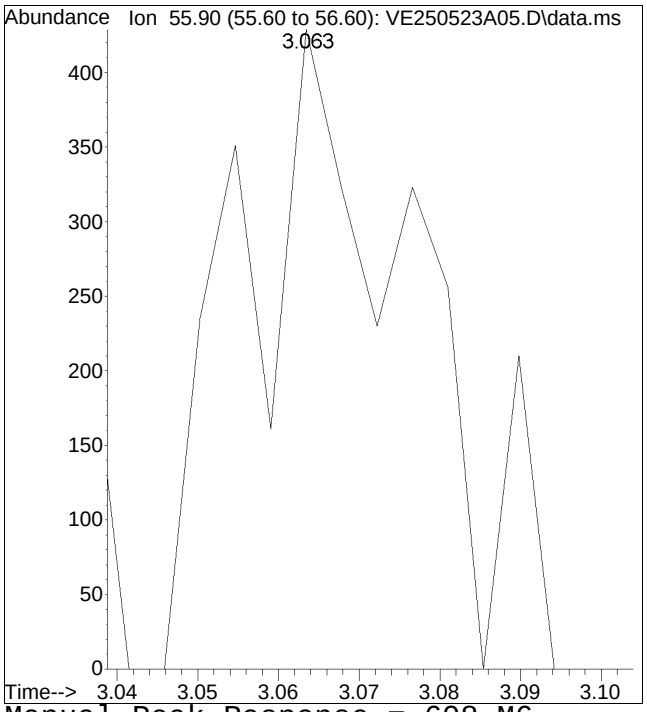
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #14: Acrolein



Original Peak Response = 663



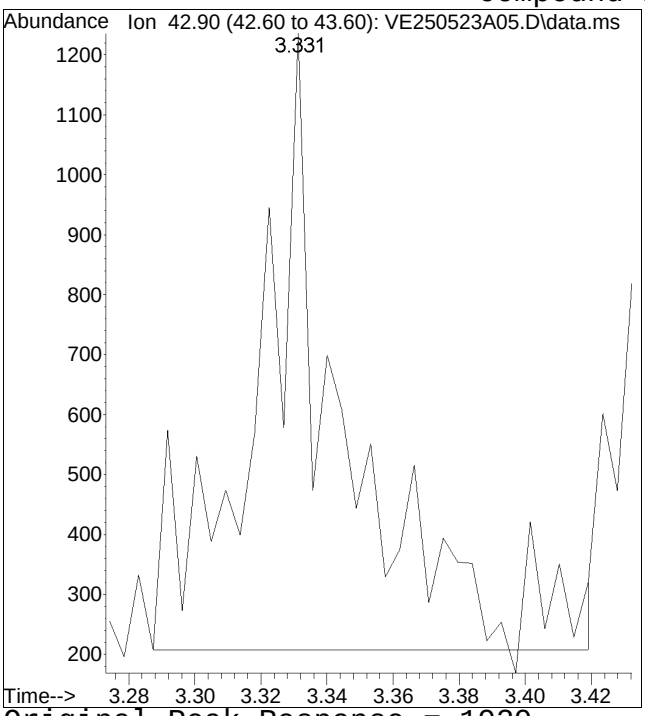
Manual Peak Response = 608 M6

M6 = Misassignment of peak valley

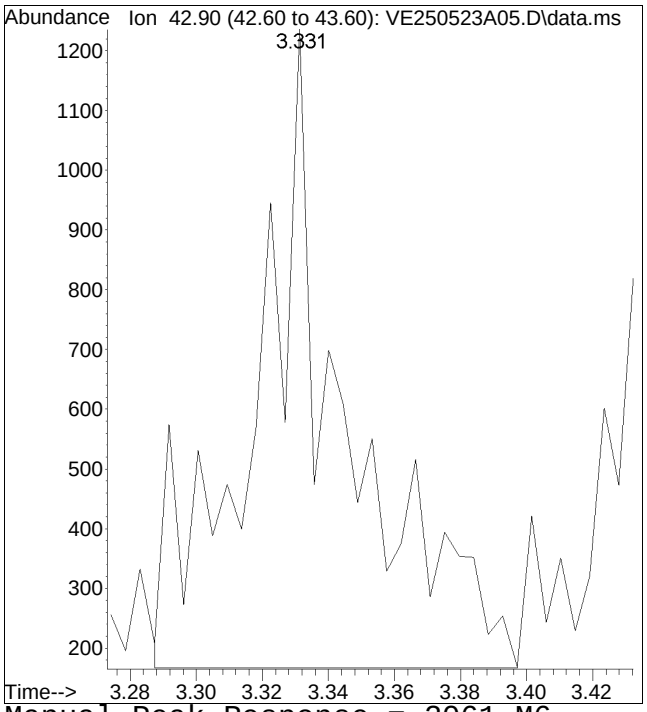
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #17: Acetone



Original Peak Response = 1929



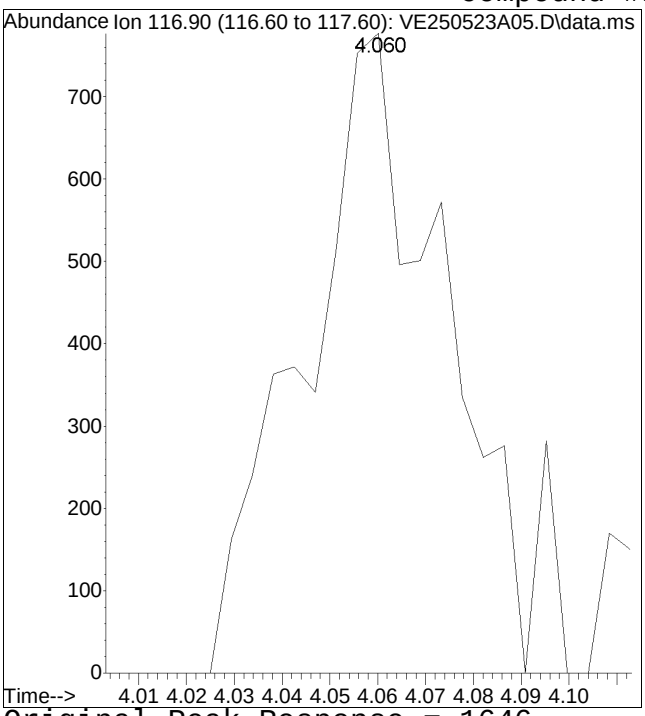
Manual Peak Response = 2061 M6

M6 = Misassignment of peak valley

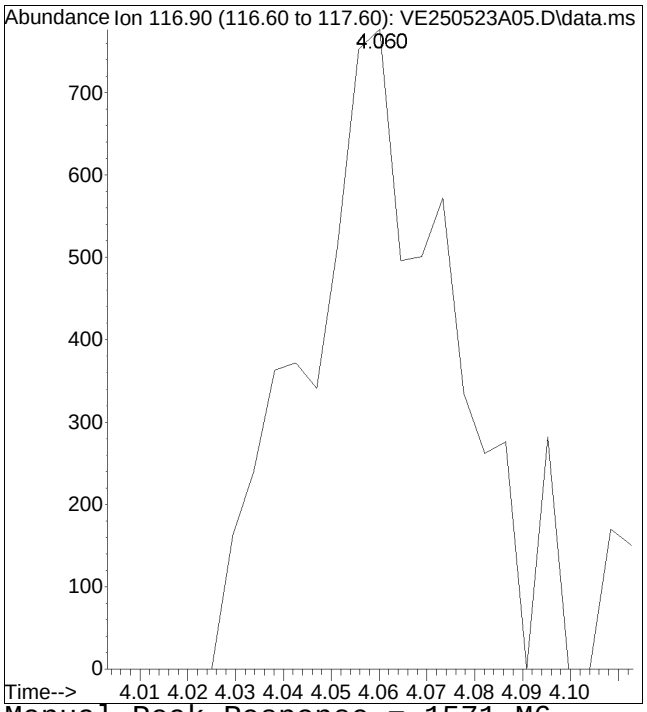
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #26: Halothane



Original Peak Response = 1646



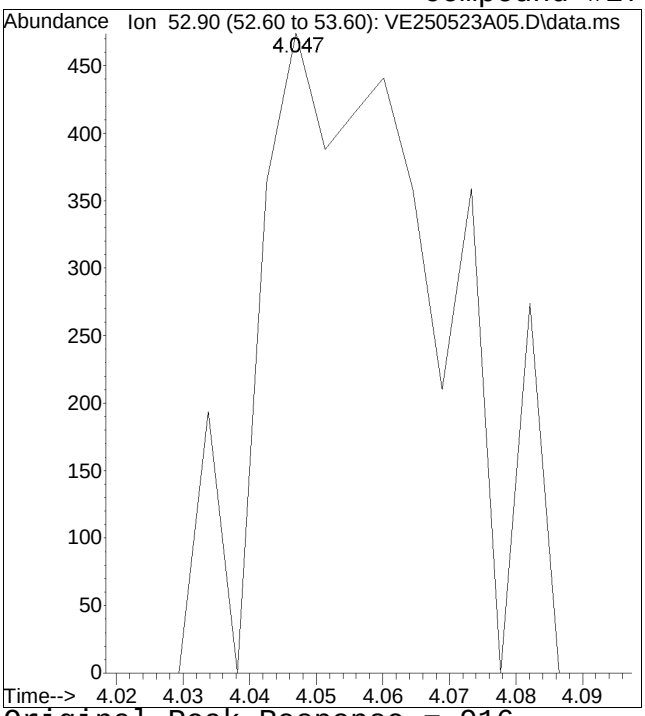
Manual Peak Response = 1571 M6

M6 = Misassignment of peak valley

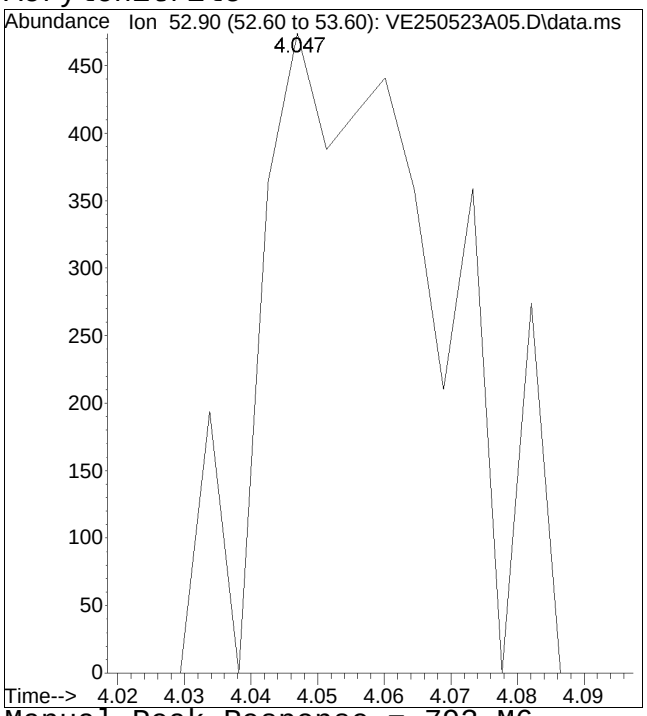
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #27: Acrylonitrile



Original Peak Response = 916



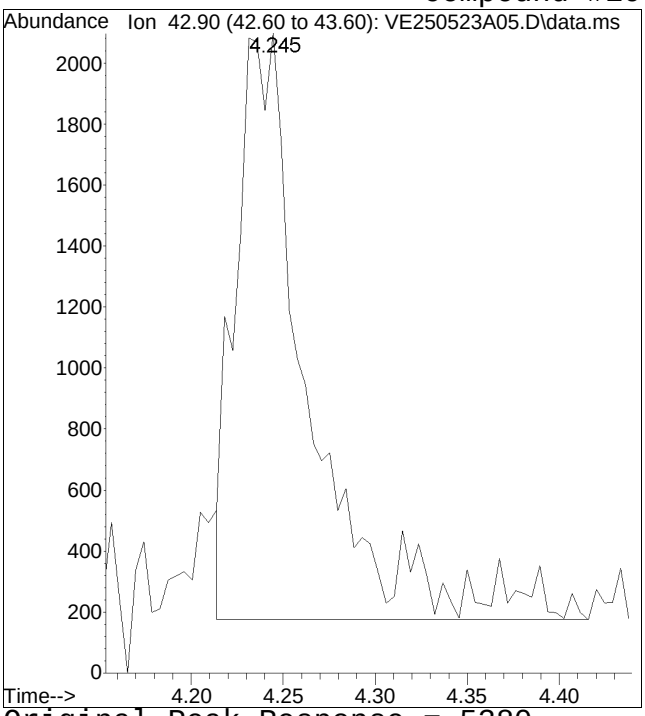
Manual Peak Response = 793 M6

M6 = Misassignment of peak valley

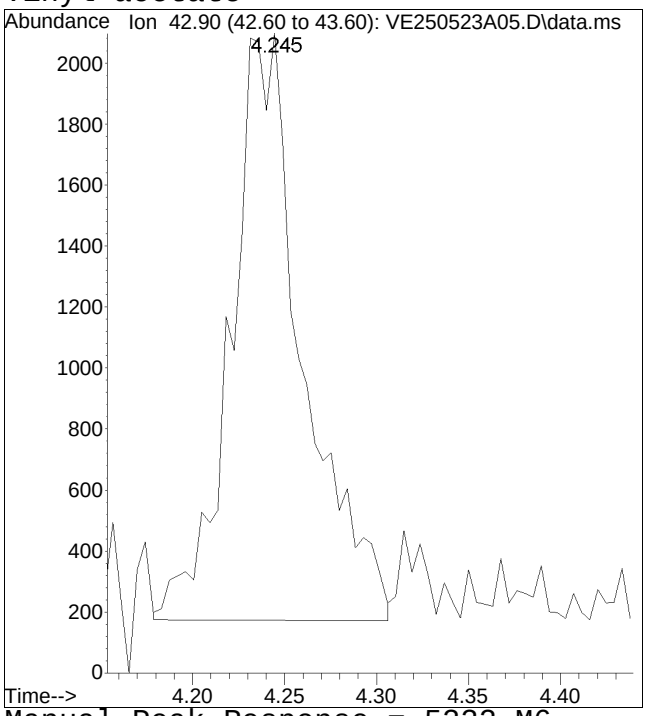
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #29: Vinyl acetate



Original Peak Response = 5380



Manual Peak Response = 5222 M6

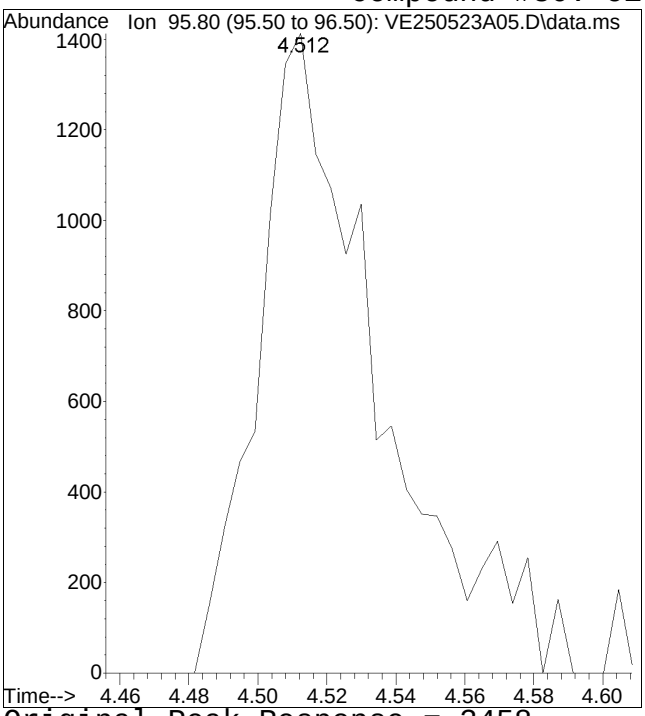
M6 = Misassignment of peak valley

Manual Integration Report

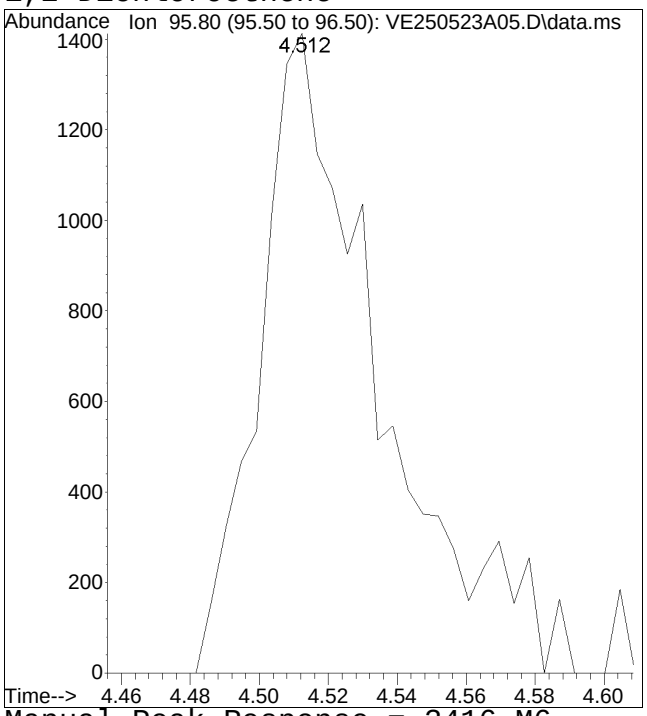
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A05.D
Date Inj'd : 5/23/2025 2:35 am
Sample : I8260STD0.5PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #30: cis-1,2-Dichloroethene



Original Peak Response = 3458



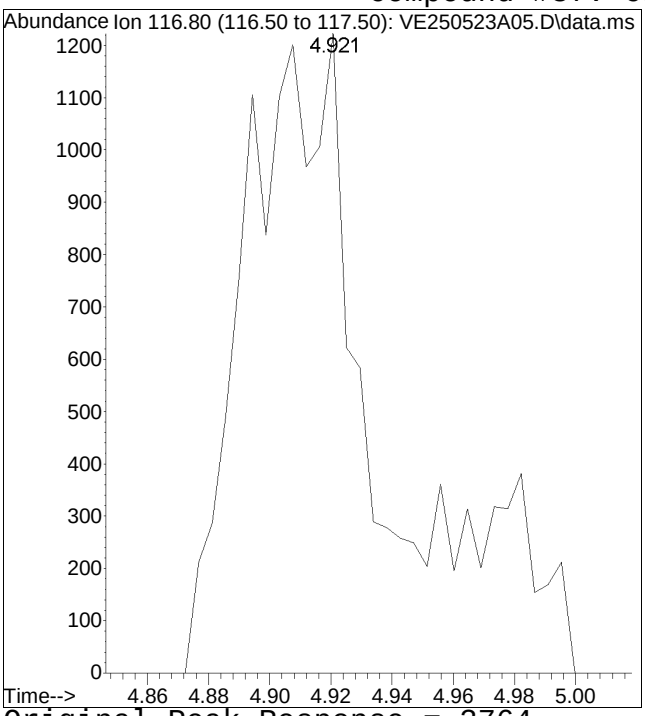
Manual Peak Response = 3416 M6

M6 = Misassignment of peak valley

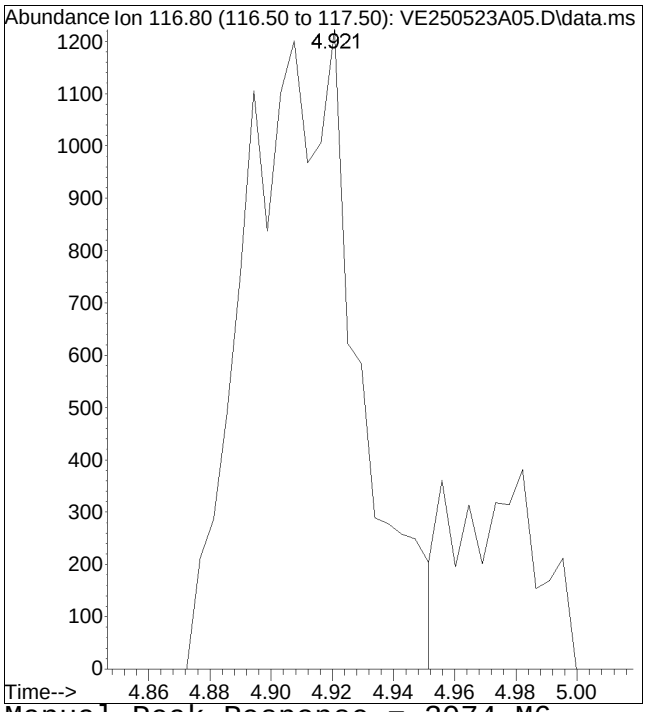
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 3764



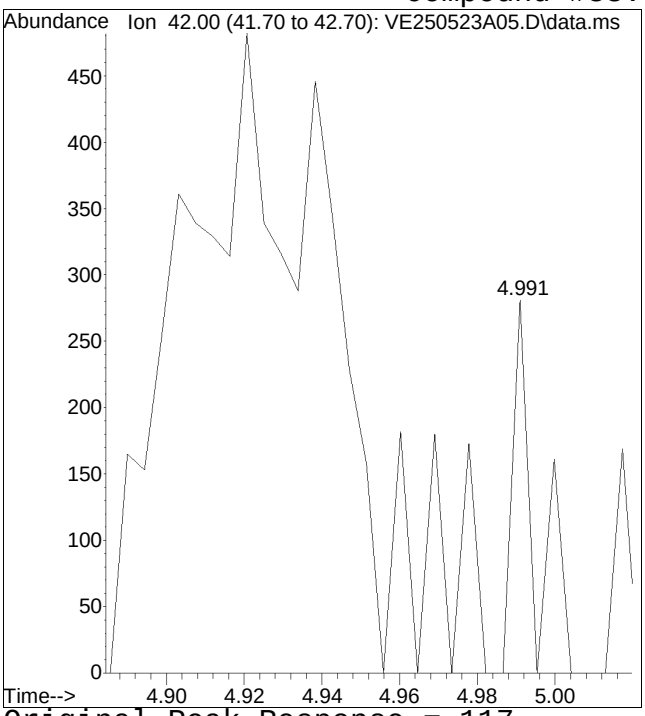
Manual Peak Response = 3074 M6

M6 = Misassignment of peak valley

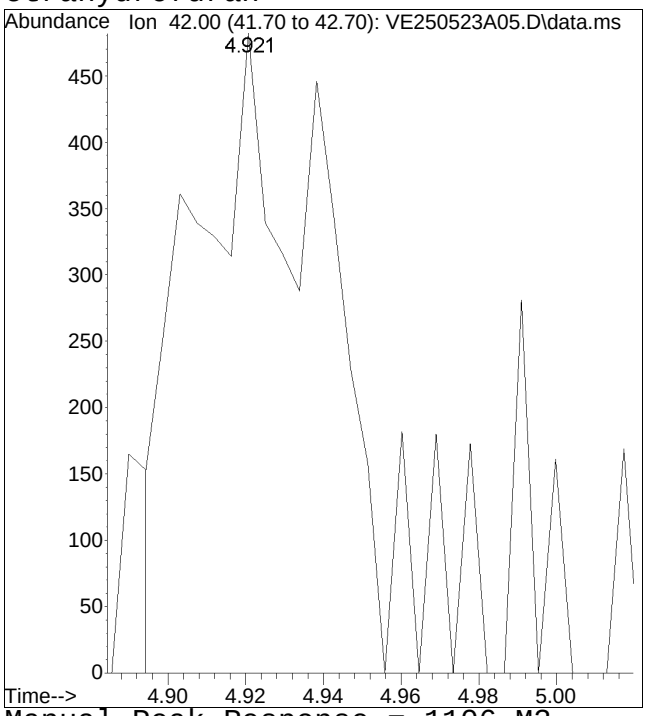
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 117
M3 = Wrong Peak Identified

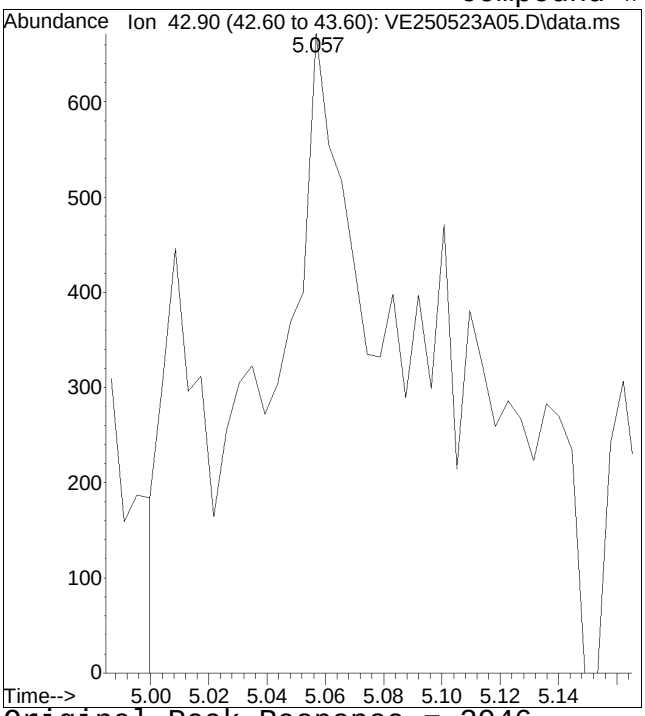


Manual Peak Response = 1106 M3

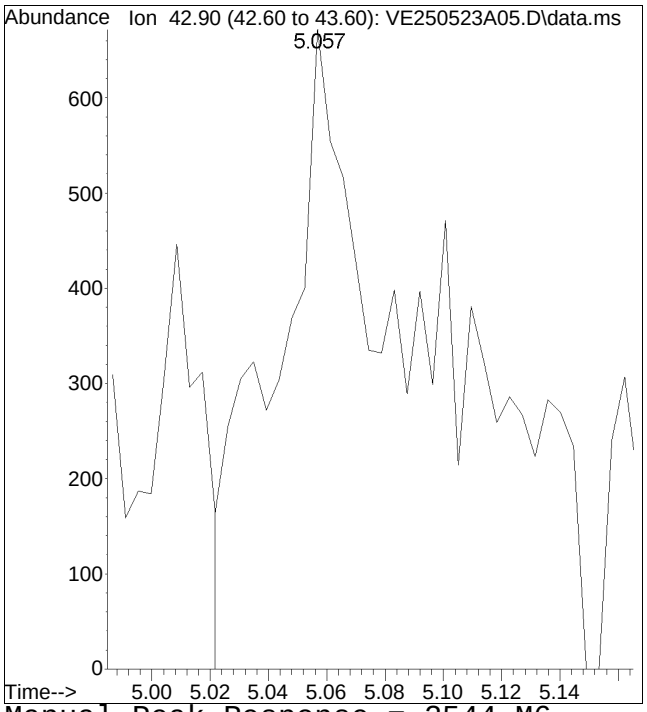
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #42: 2-Butanone



Original Peak Response = 2946



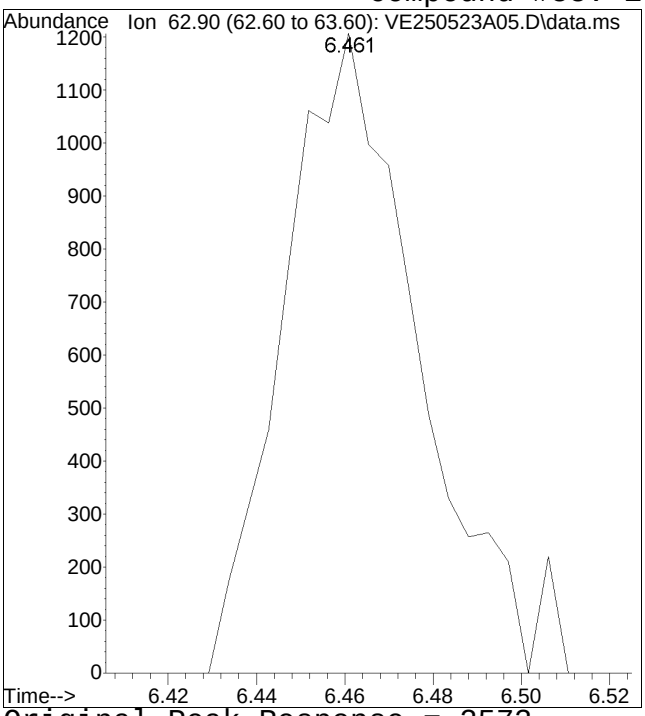
Manual Peak Response = 2544 M6

M6 = Misassignment of peak valley

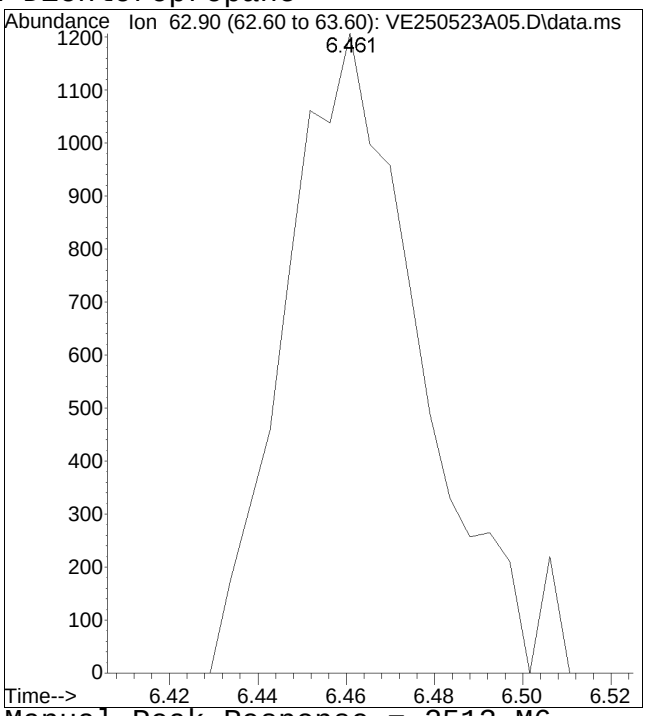
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #55: 1,2-Dichloropropane



Original Peak Response = 2573



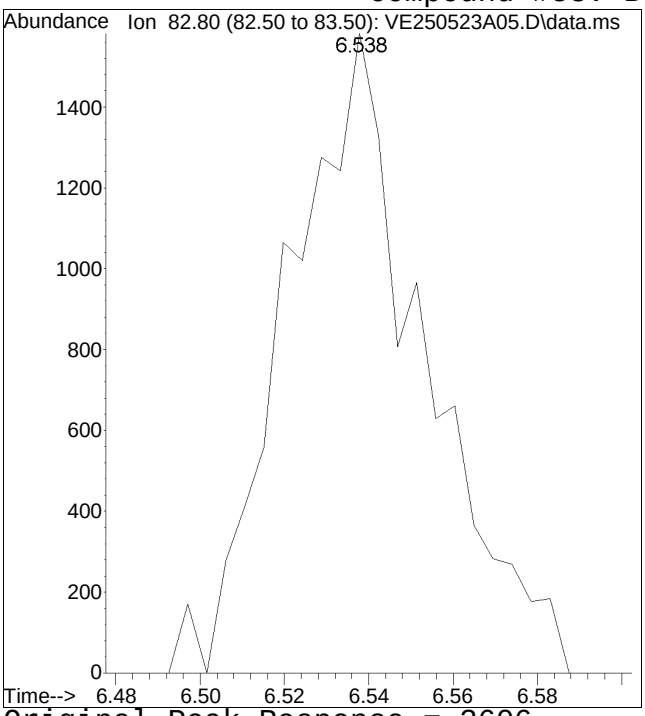
Manual Peak Response = 2513 M6

M6 = Misassignment of peak valley

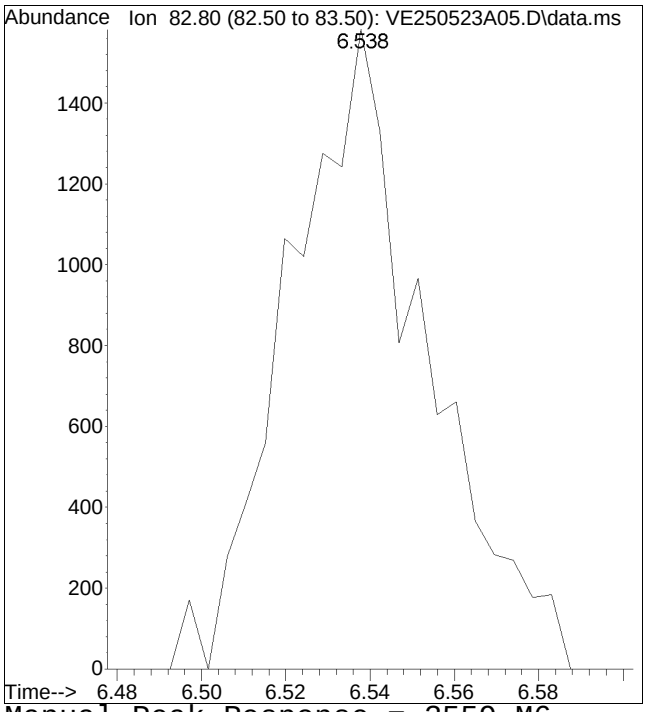
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #58: Bromodichloromethane



Original Peak Response = 3606



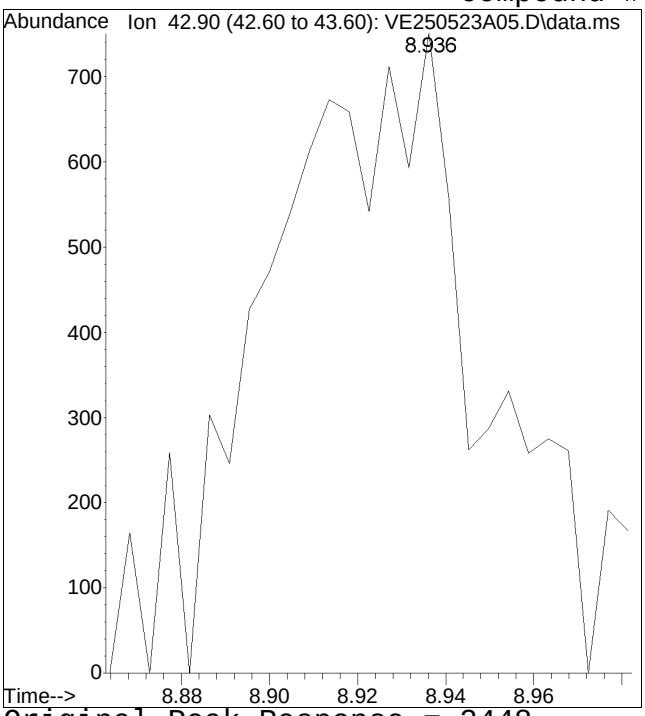
Manual Peak Response = 3559 M6

M6 = Misassignment of peak valley

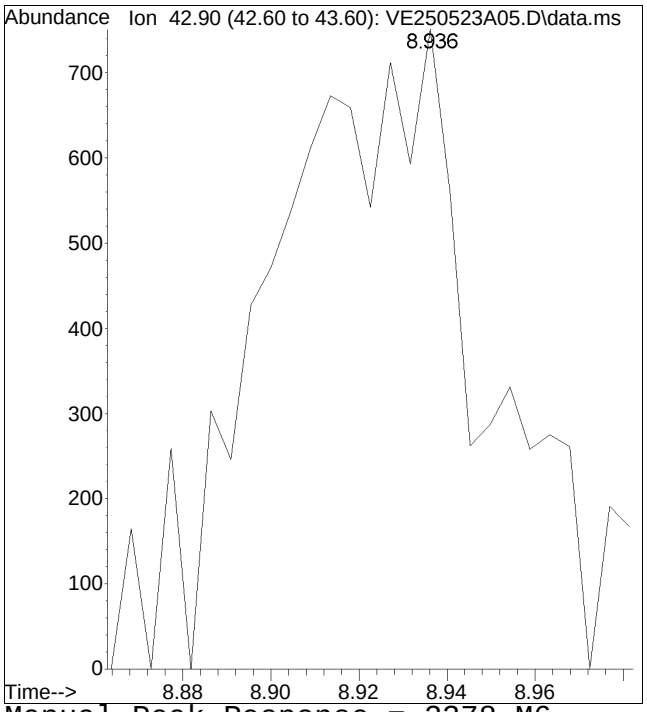
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #77: 2-Hexanone



Original Peak Response = 2448



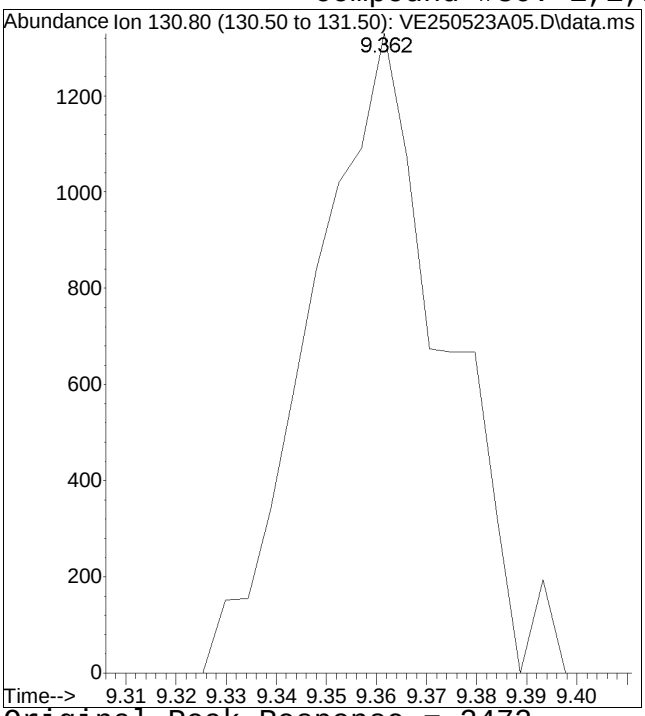
Manual Peak Response = 2378 M6

M6 = Misassignment of peak valley

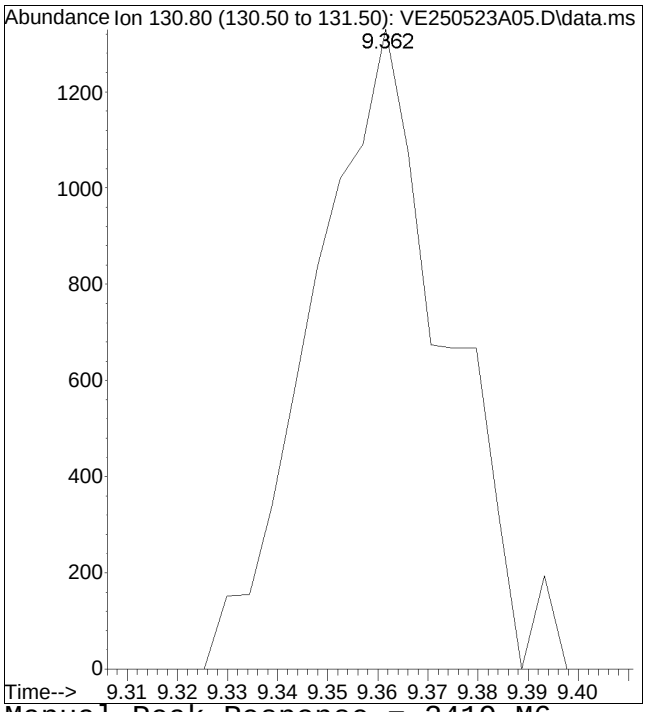
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #80: 1,1,1,2-Tetrachloroethane



Original Peak Response = 2472



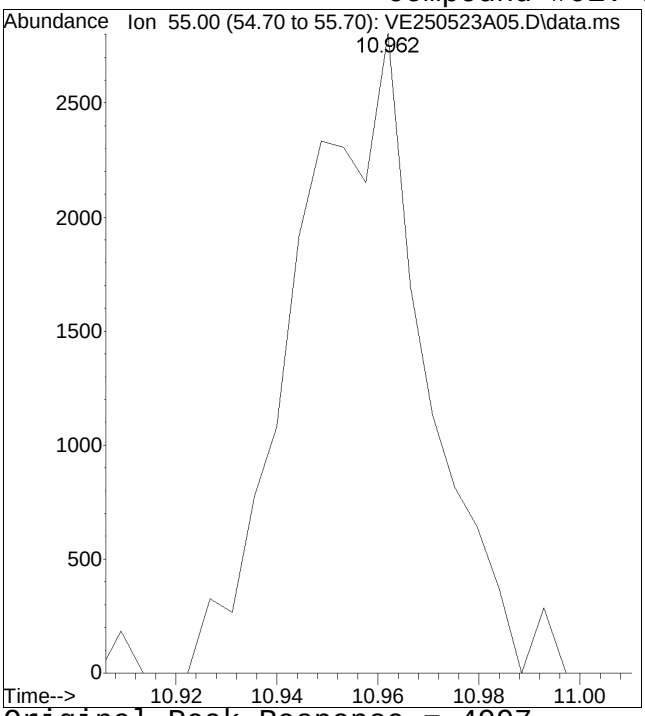
Manual Peak Response = 2419 M6

M6 = Misassignment of peak valley

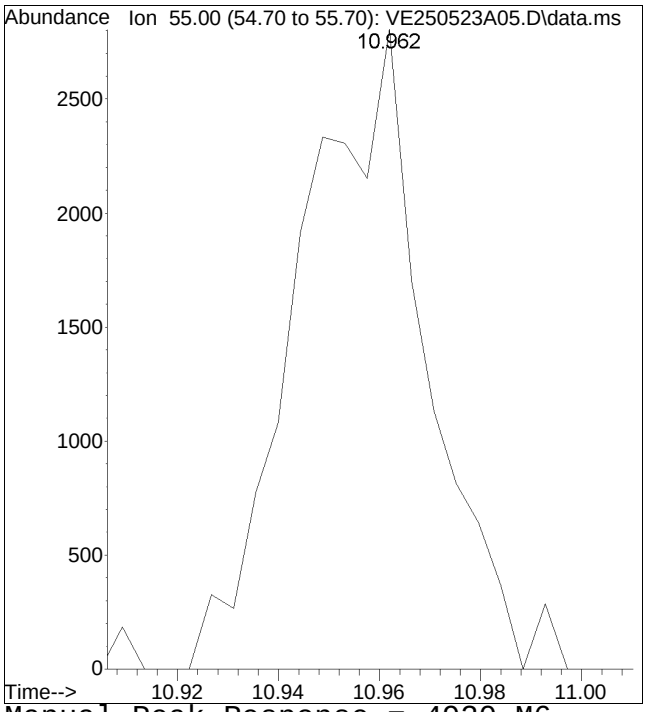
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #91: 1,4-Dichlorobutane



Original Peak Response = 4997



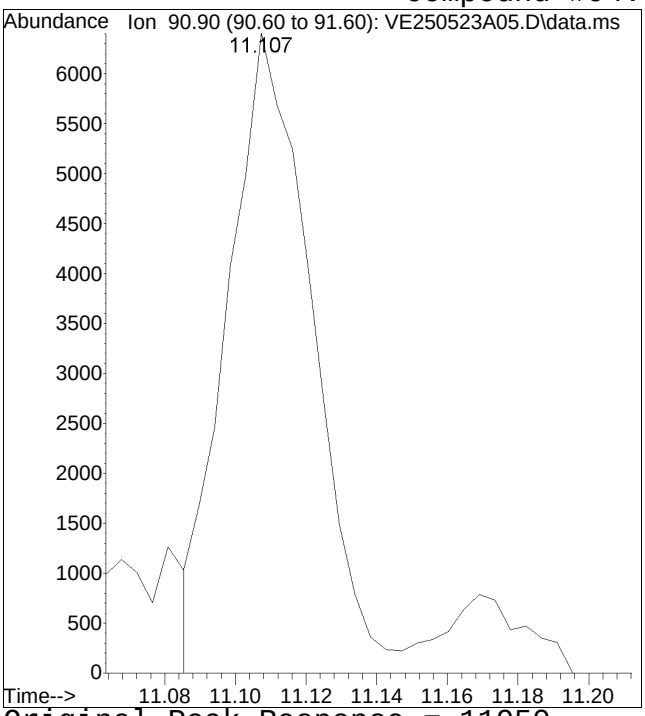
Manual Peak Response = 4920 M6

M6 = Misassignment of peak valley

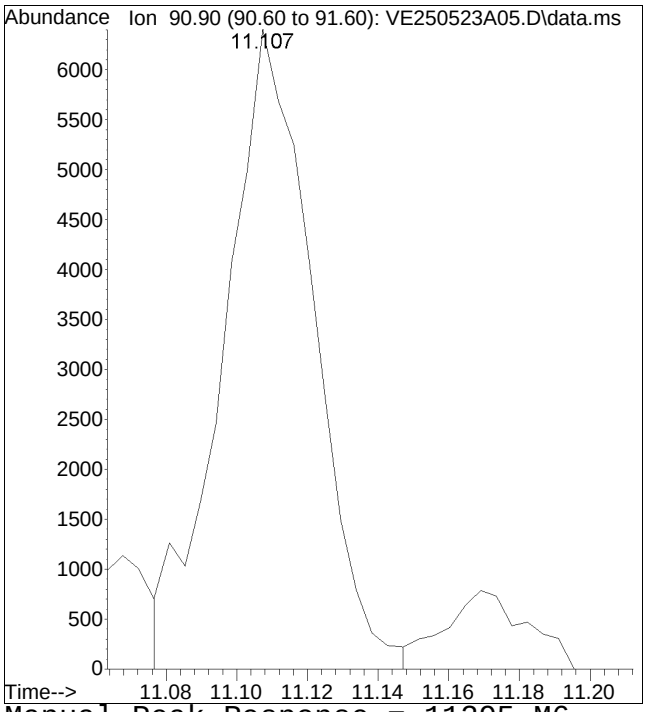
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 11950



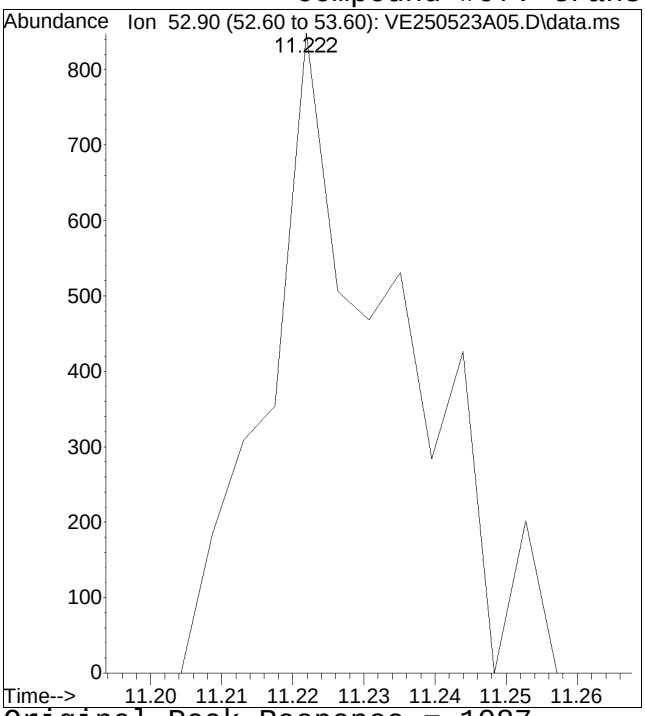
Manual Peak Response = 11295 M6

M6 = Misassignment of peak valley

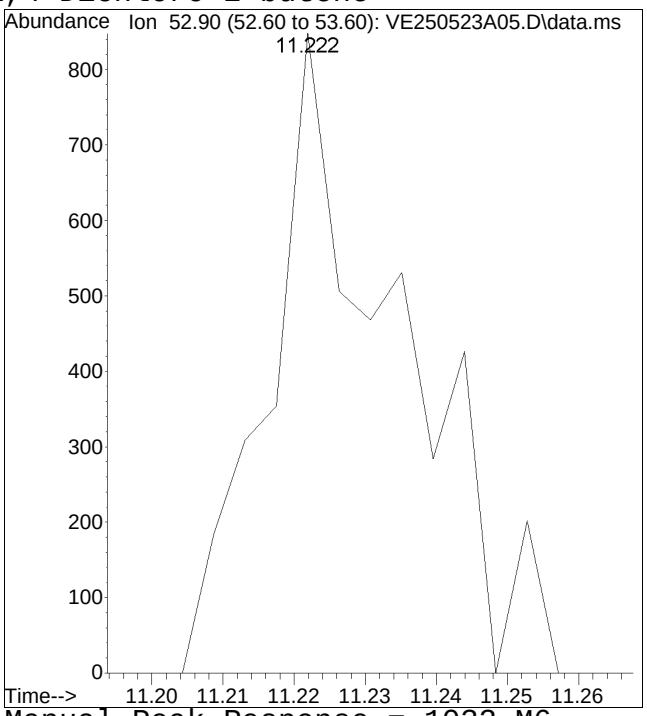
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #97: trans-1,4-Dichloro-2-butene



Original Peak Response = 1087



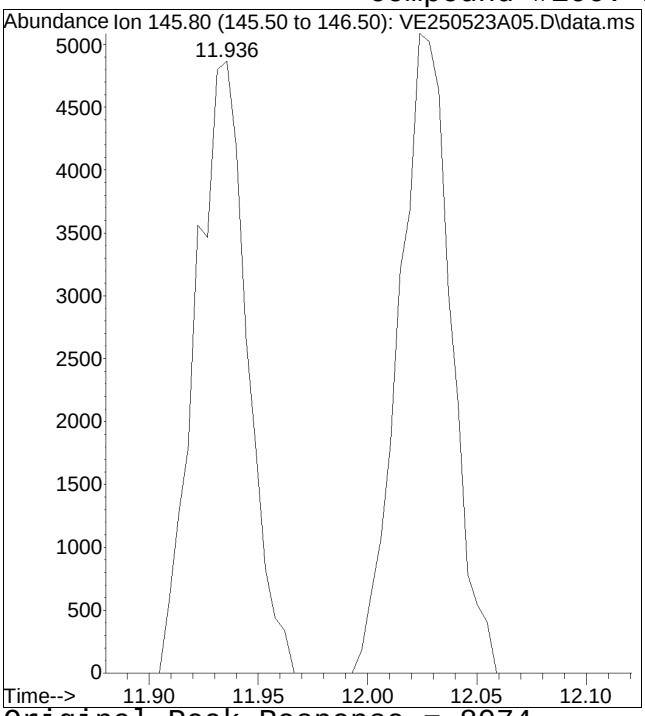
Manual Peak Response = 1033 M6

M6 = Misassignment of peak valley

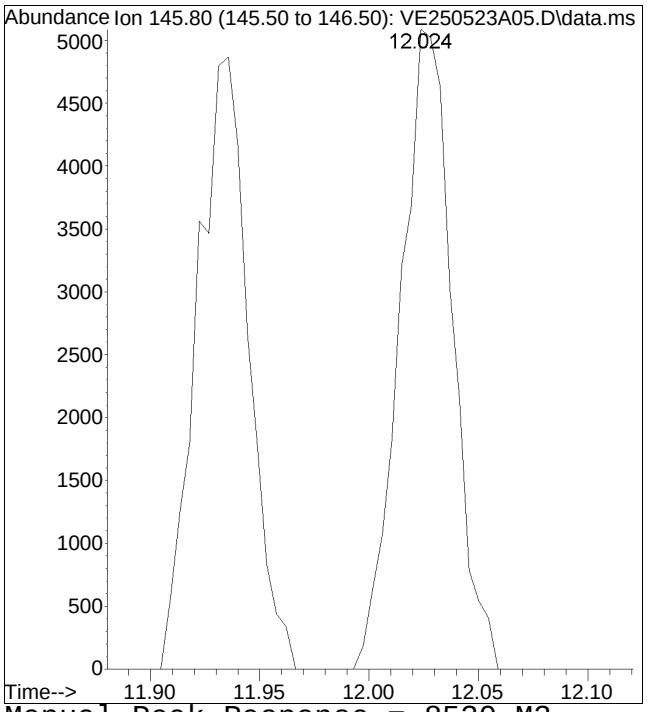
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #106: 1,4-Dichlorobenzene



Original Peak Response = 8074



Manual Peak Response = 8530 M3

M3 = Wrong Peak Identified

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A07.D
Acq On : 23 May 2025 3:23 am
Operator : ELAINE:JIC
Sample : I8260STD2PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	268784M6	10.000 ug/L	0.00
Standard Area 1 = 275801			Recovery = 97.46%		
63) Chlorobenzene-d5	9.253	117	221325	10.000 ug/L	0.00
Standard Area 1 = 232323			Recovery = 95.27%		
84) 1,4-Dichlorobenzene-d4	12.011	152	126854	10.000 ug/L	0.00
Standard Area 1 = 130581			Recovery = 97.15%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.947	113	77007	9.734 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.34%		
47) 1,2-Dichloroethane-d4	5.465	65	76316	9.399 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.99%		
64) Toluene-d8	7.425	98	287137	10.027 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.27%		
88) 4-Bromofluorobenzene	10.777	95	105940	10.104 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.04%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.514	85	20722	2.041 ug/L	98
3) Chloromethane	1.694	50	21718	2.027 ug/L	99
4) Vinyl chloride	1.759	62	20021	2.119 ug/L	100
5) Bromomethane	2.049	94	11135M1	2.501 ug/L	
6) Chloroethane	2.168	64	12629	2.071 ug/L	94
7) Trichlorofluoromethane	2.295	101	25110	2.107 ug/L	99
8) Ethyl ether	2.572	74	5925	1.791 ug/L #	83
10) 1,1-Dichloroethene	2.760	96	15262	2.197 ug/L	86
11) Carbon disulfide	2.787	76	45320	2.103 ug/L	98
12) Freon-113	2.791	101	13417	1.936 ug/L	91
13) Iodomethane	2.888	142	19594	1.893 ug/L	99
14) Acrolein	3.059	56	1975	1.985 ug/L #	23
15) Methylene chloride	3.301	84	14025	1.851 ug/L	86
17) Acetone	3.331	43	3806	2.630 ug/L	99
18) trans-1,2-Dichloroethene	3.441	96	13877	1.949 ug/L	95
19) Methyl acetate	3.450	43	8132M6	2.093 ug/L	
21) Methyl tert-butyl ether	3.538	73	26190	1.844 ug/L #	98
22) tert-Butyl alcohol	3.625	59	2144	7.200 ug/L #	100
24) Diisopropyl ether	3.880	45	45815	1.977 ug/L	97
25) 1,1-Dichloroethane	4.003	63	28482	2.008 ug/L	99
26) Halothane	4.065	117	9448	1.880 ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A07.D
Acq On : 23 May 2025 3:23 am
Operator : ELAINE:JIC
Sample : I8260STD2PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.051	53	3921	1.960	ug/L		97
28) Ethyl tert-butyl ether	4.227	59	33488	1.918	ug/L		97
29) Vinyl acetate	4.240	43	24995	2.190	ug/L	#	93
30) cis-1,2-Dichloroethene	4.517	96	15258	1.897	ug/L		99
31) 2,2-Dichloropropane	4.613	77	20685	1.913	ug/L		93
33) Bromochloromethane	4.701	128	7586	1.985	ug/L		95
34) Cyclohexane	4.710	56	26531	1.841	ug/L		99
35) Chloroform	4.776	83	25953	2.079	ug/L		96
36) Ethyl acetate	4.886	43	9847	2.213	ug/L	#	88
37) Carbon tetrachloride	4.903	117	16829M6	1.883	ug/L		
38) Tetrahydrofuran	4.929	42	3359M1	2.000	ug/L		
40) 1,1,1-Trichloroethane	4.973	97	19236	1.869	ug/L		98
42) 2-Butanone	5.066	43	5326	2.579	ug/L	#	81
43) 1,1-Dichloropropene	5.092	75	13457	1.801	ug/L		98
45) Benzene	5.333	78	49114	1.943	ug/L		98
46) tert-Amyl methyl ether	5.439	73	27847	1.830	ug/L		87
48) 1,2-Dichloroethane	5.531	62	16069	1.991	ug/L		98
51) Methyl cyclohexane	5.918	83	21797	1.875	ug/L		95
52) Trichloroethene	5.922	95	10765	1.787	ug/L		94
54) Dibromomethane	6.352	93	7026	1.939	ug/L		98
55) 1,2-Dichloropropane	6.461	63	12089	1.828	ug/L		99
57) 2-Chloroethyl vinyl ether	7.153	63	5409	1.777	ug/L	#	66
58) Bromodichloromethane	6.538	83	15568	1.840	ug/L	#	97
61) 1,4-Dioxane	6.741	88	10580	299.382	ug/L	#	86
62) cis-1,3-Dichloropropene	7.221	75	16571	1.779	ug/L	#	84
65) Toluene	7.475	92	33944	1.995	ug/L		99
66) 4-Methyl-2-pentanone	7.904	58	3014	1.778	ug/L	#	60
67) Tetrachloroethene	7.927	166	13809	1.962	ug/L		96
69) trans-1,3-Dichloropropene	7.968	75	14102	1.816	ug/L	#	73
71) Ethyl methacrylate	8.158	69	13583	1.956	ug/L		82
72) 1,1,2-Trichloroethane	8.144	83	7492	2.040	ug/L		99
73) Chlorodibromomethane	8.357	129	10585	1.874	ug/L		97
74) 1,3-Dichloropropane	8.466	76	15439	1.949	ug/L		99
75) 1,2-Dibromoethane	8.628	107	8792	1.973	ug/L		99
77) 2-Hexanone	8.918	43	7899	2.149	ug/L	#	88
78) Chlorobenzene	9.271	112	38903	2.014	ug/L		98
79) Ethylbenzene	9.316	91	67817	2.006	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.357	131	11179	1.843	ug/L		96
81) p/m Xylene	9.502	106	55692	4.022	ug/L		98
82) o Xylene	10.045	106	54440	3.925	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A07.D
Acq On : 23 May 2025 3:23 am
Operator : ELAINE:JIC
Sample : I8260STD2PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.117	104	91102	3.953	ug/L	99
85) Bromoform	10.144	173	6760	1.940	ug/L	98
87) Isopropylbenzene	10.442	105	70301	1.947	ug/L	96
89) Bromobenzene	10.887	156	16482	2.028	ug/L	100
90) n-Propylbenzene	10.940	91	84279	1.952	ug/L	98
91) 1,4-Dichlorobutane	10.958	55	19503	1.969	ug/L	97
92) 1,1,2,2-Tetrachloroethane	11.037	83	11397	2.027	ug/L	97
93) 4-Ethyltoluene	11.072	105	73210	2.000	ug/L	99
94) 2-Chlorotoluene	11.107	91	50875M6	2.073	ug/L	
95) 1,3,5-Trimethylbenzene	11.173	105	60219	1.936	ug/L	98
96) 1,2,3-Trichloropropane	11.173	75	9250	1.924	ug/L	99
97) trans-1,4-Dichloro-2-b...	11.231	53	3816	1.893	ug/L	87
98) 4-Chlorotoluene	11.297	91	51541	1.969	ug/L	96
99) tert-Butylbenzene	11.517	119	54931	2.003	ug/L	94
102) 1,2,4-Trimethylbenzene	11.596	105	57770	1.883	ug/L	97
103) sec-Butylbenzene	11.711	105	79026	1.975	ug/L	100
104) p-Isopropyltoluene	11.870	119	68883	1.942	ug/L	98
105) 1,3-Dichlorobenzene	11.931	146	34695	1.939	ug/L	99
106) 1,4-Dichlorobenzene	12.028	146	33503	1.941	ug/L	93
107) p-Diethylbenzene	12.248	119	38951	1.825	ug/L	97
108) n-Butylbenzene	12.306	91	55038	1.881	ug/L	98
109) 1,2-Dichlorobenzene	12.455	146	33015	1.958	ug/L	100
110) 1,2,4,5-Tetramethylben...	13.046	119	58685	1.870	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.235	155	1997	1.889	ug/L	89
112) 1,3,5-Trichlorobenzene	13.271	180	23479	1.982	ug/L	99
113) Hexachlorobutadiene	13.852	225	7752	2.173	ug/L	95
114) 1,2,4-Trichlorobenzene	13.874	180	21202	1.972	ug/L	97
115) Naphthalene	14.165	128	49270	1.967	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	19475	2.034	ug/L	97

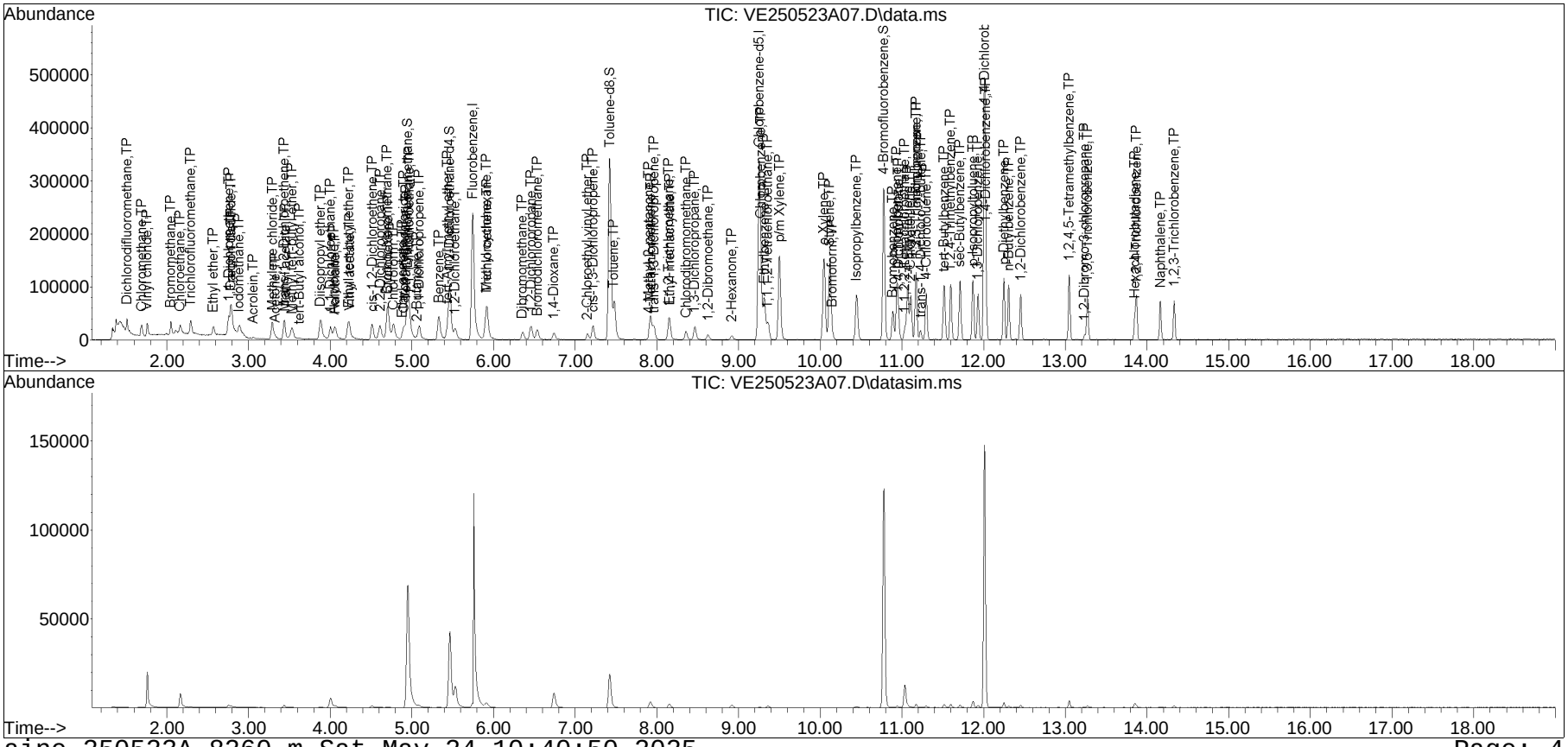
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A07.D
Acq On : 23 May 2025 3:23 am
Operator : ELAINE:JIC
Sample : I8260STD2PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•

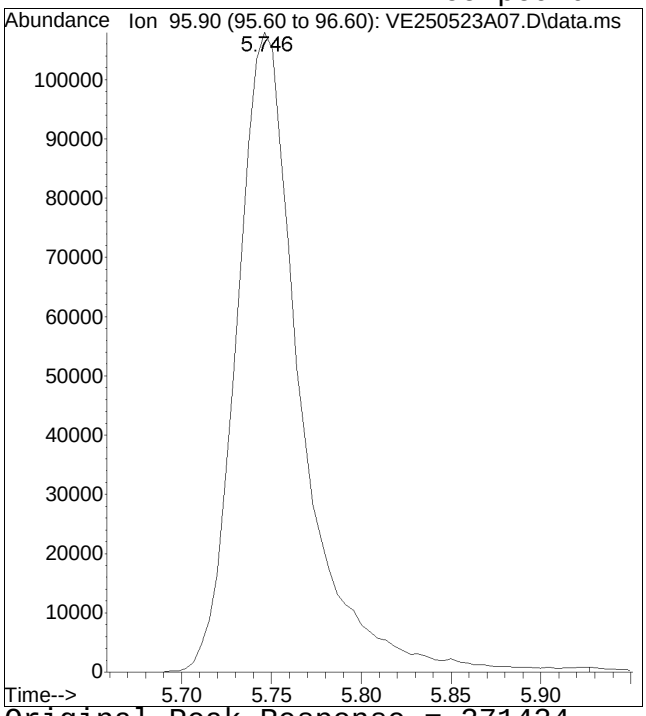


Manual Integration Report

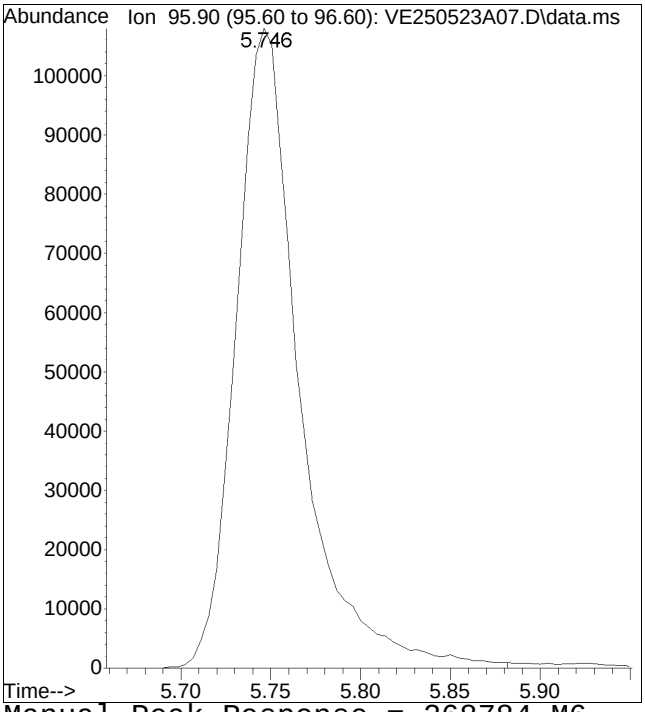
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A07.D
Date Inj'd : 5/23/2025 3:23 am
Sample : I8260STD2PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #1: Fluorobenzene



Original Peak Response = 271424



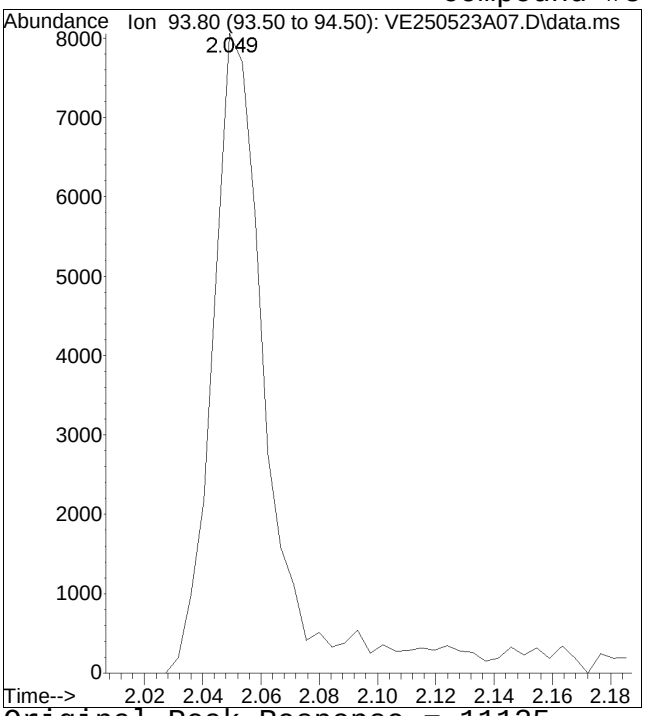
Manual Peak Response = 268784 M6

M6 = Misassignment of peak valley

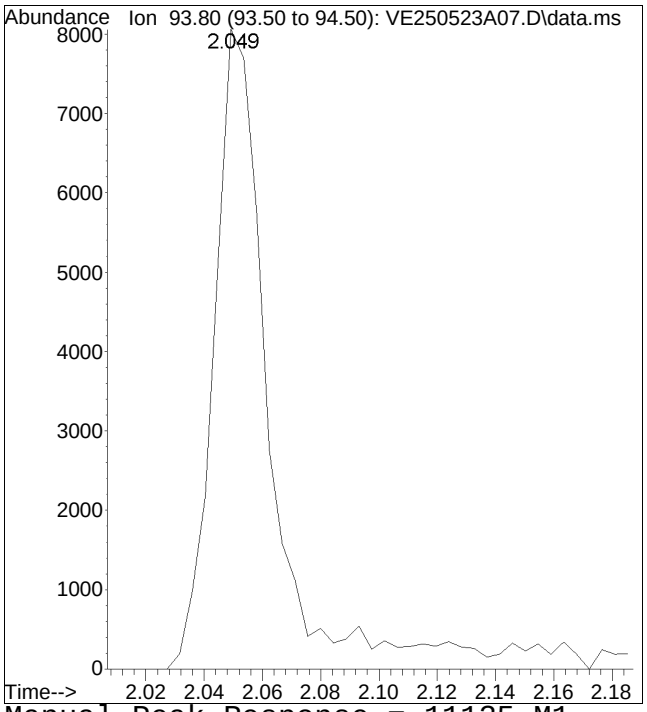
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #5: Bromomethane



Original Peak Response = 11135



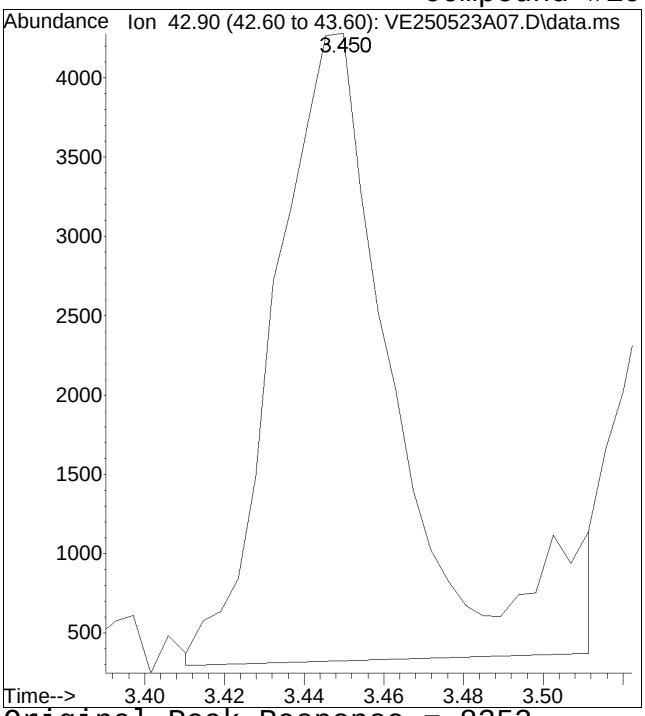
Manual Peak Response = 11135 M1

M1 = Peak Integration was less than it should be

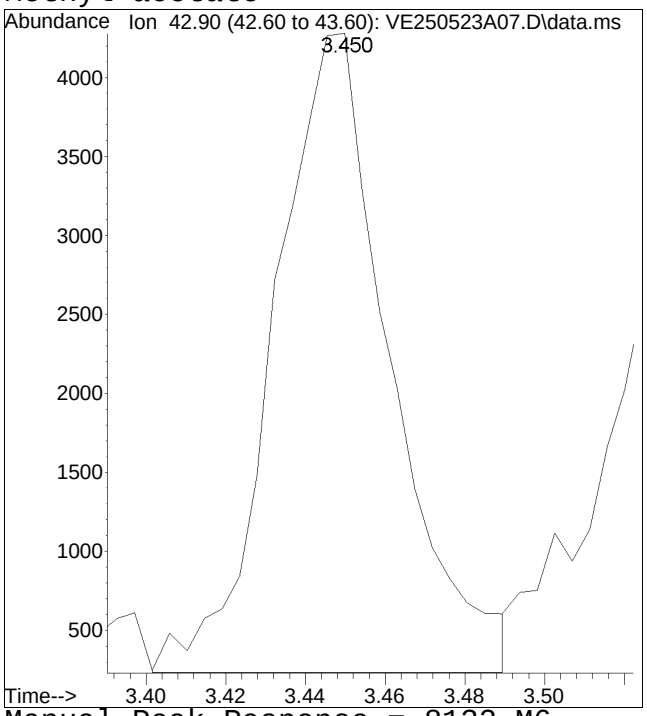
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 8352



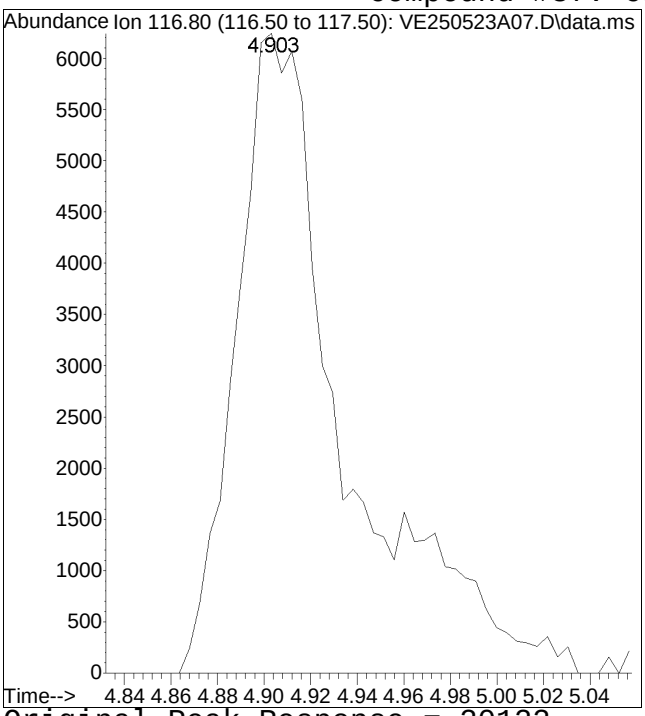
Manual Peak Response = 8132 M6

M6 = Misassignment of peak valley

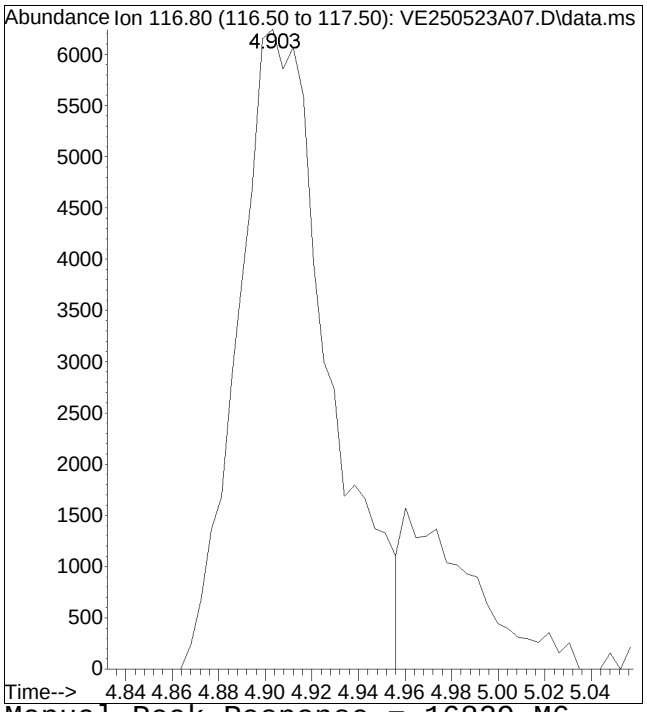
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 20122



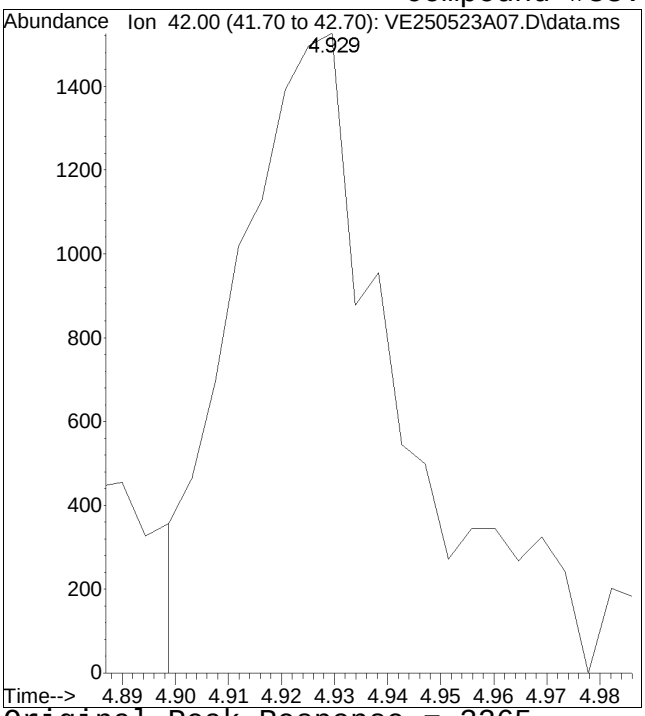
Manual Peak Response = 16829 M6

M6 = Misassignment of peak valley

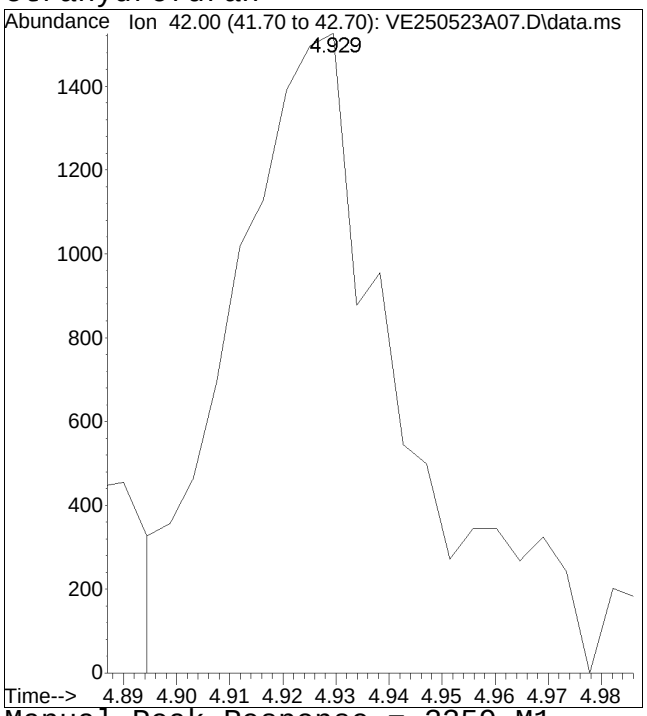
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 3265



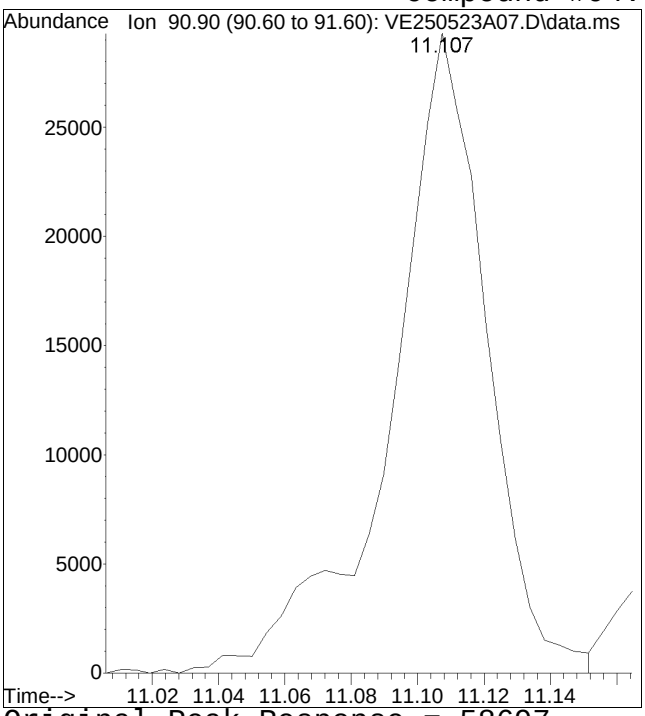
Manual Peak Response = 3359 M1

M1 = Peak Integration was less than it should be

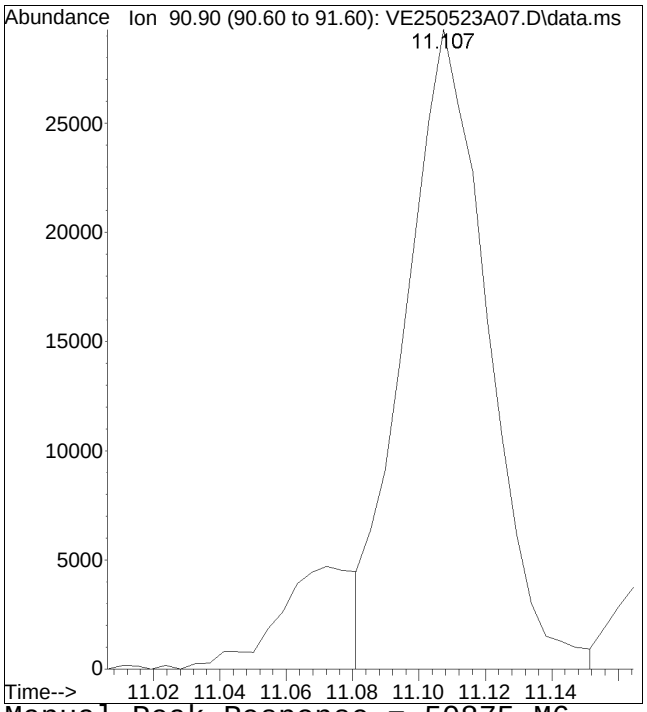
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 58697



Manual Peak Response = 50875 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A09.D
Acq On : 23 May 2025 4:12 am
Operator : ELAINE:JIC
Sample : I8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Mar 31 07:17:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	275801M6	10.000	ug/L	-0.02
Standard Area 1 = 275801			Recovery = 100.00%			
63) Chlorobenzene-d5	9.253	117	232323	10.000	ug/L	-0.03
Standard Area 1 = 232323			Recovery = 100.00%			
84) 1,4-Dichlorobenzene-d4	12.010	152	130581	10.000	ug/L	-0.02
Standard Area 1 = 130581			Recovery = 100.00%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	81175	10.558	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.58%			
47) 1,2-Dichloroethane-d4	5.465	65	83312	8.985	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.85%			
64) Toluene-d8	7.425	98	300585	9.950	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.50%			
88) 4-Bromofluorobenzene	10.777	95	107925	9.834	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	104202	13.473	ug/L	99
3) Chloromethane	1.689	50	109914	14.144	ug/L	99
4) Vinyl chloride	1.764	62	96968	14.050	ug/L	99
5) Bromomethane	2.054	94	45689M6	11.102	ug/L	
6) Chloroethane	2.168	64	62575	12.585	ug/L	95
7) Trichlorofluoromethane	2.295	101	122313	13.345	ug/L	99
8) Ethyl ether	2.576	74	36226M1	11.557	ug/L	
10) 1,1-Dichloroethene	2.760	96	71282	13.657	ug/L	92
11) Carbon disulfide	2.787	76	221119	13.570	ug/L	99
12) Freon-113	2.791	101	71108	13.214	ug/L	96
13) Iodomethane	2.892	142	106223	21.519	ug/L	98
14) Acrolein	3.059	56	10211	9.638	ug/L #	79
15) Methylene chloride	3.292	84	77765	12.054	ug/L	98
17) Acetone	3.327	43	14851	10.155	ug/L	97
18) trans-1,2-Dichloroethene	3.441	96	73078	12.355	ug/L	95
19) Methyl acetate	3.445	43	39861M6	11.362	ug/L	
21) Methyl tert-butyl ether	3.533	73	145735	10.436	ug/L #	93
22) tert-Butyl alcohol	3.625	59	15278	41.725	ug/L #	100
24) Diisopropyl ether	3.884	45	237745	12.506	ug/L	97
25) 1,1-Dichloroethane	4.007	63	145533	12.048	ug/L	98
26) Halothane	4.064	117	51581	11.790	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A09.D
Acq On : 23 May 2025 4:12 am
Operator : ELAINE:JIC
Sample : I8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Mar 31 07:17:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.051	53	20527M6	11.897	ug/L		
28) Ethyl tert-butyl ether	4.223	59	179132	10.741	ug/L		94
29) Vinyl acetate	4.236	43	117115	9.987	ug/L		97
30) cis-1,2-Dichloroethene	4.517	96	82522	12.216	ug/L		93
31) 2,2-Dichloropropane	4.613	77	110942	12.074	ug/L		88
33) Bromochloromethane	4.706	128	39206	12.527	ug/L		88
34) Cyclohexane	4.710	56	147880	12.618	ug/L		99
35) Chloroform	4.780	83	128088	11.197	ug/L		98
36) Ethyl acetate	4.881	43	45662	10.683	ug/L		98
37) Carbon tetrachloride	4.912	117	91685M6	11.341	ug/L		
38) Tetrahydrofuran	4.925	42	17230M6	11.988	ug/L		
40) 1,1,1-Trichloroethane	4.969	97	105597	11.653	ug/L		98
42) 2-Butanone	5.057	43	21192	11.015	ug/L		95
43) 1,1-Dichloropropene	5.088	75	76689	10.687	ug/L		98
45) Benzene	5.333	78	259336	11.021	ug/L		99
46) tert-Amyl methyl ether	5.443	73	156167	11.823	ug/L	#	85
48) 1,2-Dichloroethane	5.535	62	82832	10.235	ug/L		100
51) Methyl cyclohexane	5.909	83	119274	12.482	ug/L		95
52) Trichloroethene	5.922	95	61816	10.611	ug/L		96
54) Dibromomethane	6.361	93	37179	10.712	ug/L		98
55) 1,2-Dichloropropane	6.461	63	67867	10.512	ug/L		99
57) 2-Chloroethyl vinyl ether	7.153	63	31239	11.203	ug/L		92
58) Bromodichloromethane	6.538	83	86835	10.509	ug/L		98
61) 1,4-Dioxane	6.737	88	18131	462.174	ug/L		94
62) cis-1,3-Dichloropropene	7.217	75	95589	10.587	ug/L	#	88
65) Toluene	7.479	92	178619	11.230	ug/L		99
66) 4-Methyl-2-pentanone	7.913	58	17792	12.047	ug/L		89
67) Tetrachloroethene	7.922	166	73866	11.179	ug/L		99
69) trans-1,3-Dichloropropene	7.959	75	81506	8.978	ug/L		91
71) Ethyl methacrylate	8.153	69	72900	12.835	ug/L		83
72) 1,1,2-Trichloroethane	8.144	83	38543	9.375	ug/L		95
73) Chlorodibromomethane	8.357	129	59279	10.007	ug/L		99
74) 1,3-Dichloropropane	8.466	76	83140	9.247	ug/L		98
75) 1,2-Dibromoethane	8.628	107	46779	9.797	ug/L		97
77) 2-Hexanone	8.914	43	38576	15.263	ug/L		93
78) Chlorobenzene	9.276	112	202765	11.067	ug/L		98
79) Ethylbenzene	9.316	91	354952	11.363	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.361	131	63668	10.661	ug/L		97
81) p/m Xylene	9.502	106	290683	23.676	ug/L		95
82) o Xylene	10.045	106	291214	24.077	ug/L		92

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A09.D
Acq On : 23 May 2025 4:12 am
Operator : ELAINE:JIC
Sample : I8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Mar 31 07:17:59 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) Styrene	10.117	104	483821	24.220	ug/L	98
85) Bromoform	10.140	173	35862	10.195	ug/L	96
87) Isopropylbenzene	10.446	105	371732	12.003	ug/L	97
89) Bromobenzene	10.891	156	83656	10.831	ug/L	99
90) n-Propylbenzene	10.940	91	444509	11.953	ug/L	98
91) 1,4-Dichlorobutane	10.953	55	101947	11.218	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.037	83	57881	10.525	ug/L	99
93) 4-Ethyltoluene	11.072	105	376737	12.477	ug/L	99
94) 2-Chlorotoluene	11.107	91	252624M6	10.854	ug/L	
95) 1,3,5-Trimethylbenzene	11.173	105	320239	11.878	ug/L	99
96) 1,2,3-Trichloropropane	11.173	75	49477	10.509	ug/L	96
97) trans-1,4-Dichloro-2-b...	11.231	53	20747	12.006	ug/L	85
98) 4-Chlorotoluene	11.297	91	269483	11.207	ug/L	96
99) tert-Butylbenzene	11.517	119	282369	12.342	ug/L	95
102) 1,2,4-Trimethylbenzene	11.596	105	315881	11.828	ug/L	97
103) sec-Butylbenzene	11.711	105	411990	12.215	ug/L	100
104) p-Isopropyltoluene	11.870	119	365190	11.776	ug/L	98
105) 1,3-Dichlorobenzene	11.931	146	184177	11.388	ug/L	98
106) 1,4-Dichlorobenzene	12.024	146	177684	11.064	ug/L	99
107) p-Diethylbenzene	12.248	119	219695	12.201	ug/L	96
108) n-Butylbenzene	12.306	91	301187	11.936	ug/L	99
109) 1,2-Dichlorobenzene	12.451	146	173557	11.302	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.046	119	323021	11.563	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.240	155	10885	11.123	ug/L	99
112) 1,3,5-Trichlorobenzene	13.270	180	121939	11.077	ug/L	98
113) Hexachlorobutadiene	13.852	225	36726	11.202	ug/L	99
114) 1,2,4-Trichlorobenzene	13.870	180	110653	12.267	ug/L	99
115) Naphthalene	14.160	128	257907	12.034	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	98538	11.999	ug/L	99

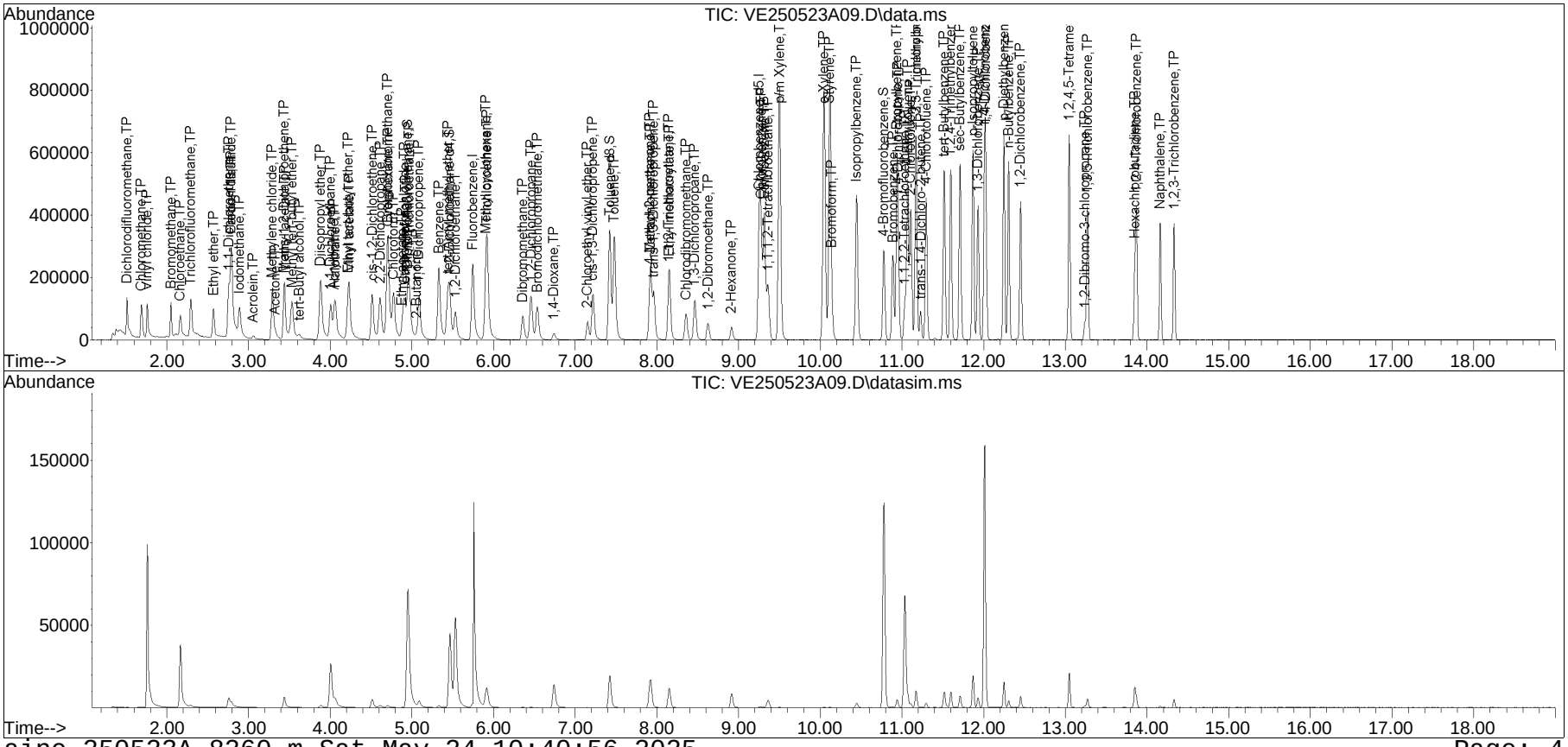
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A09.D
Acq On : 23 May 2025 4:12 am
Operator : ELAINE:JIC
Sample : I8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Mar 31 07:17:59 2025
Response via : Initial Calibration

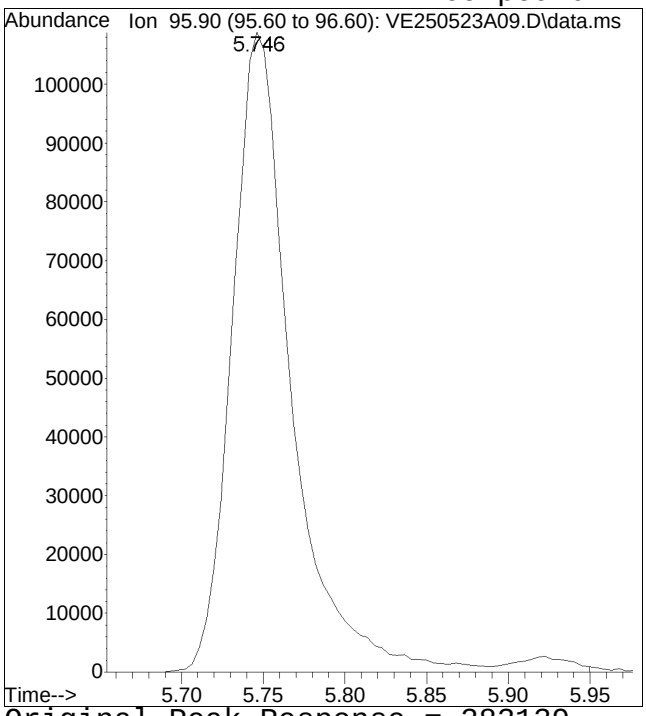
Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•



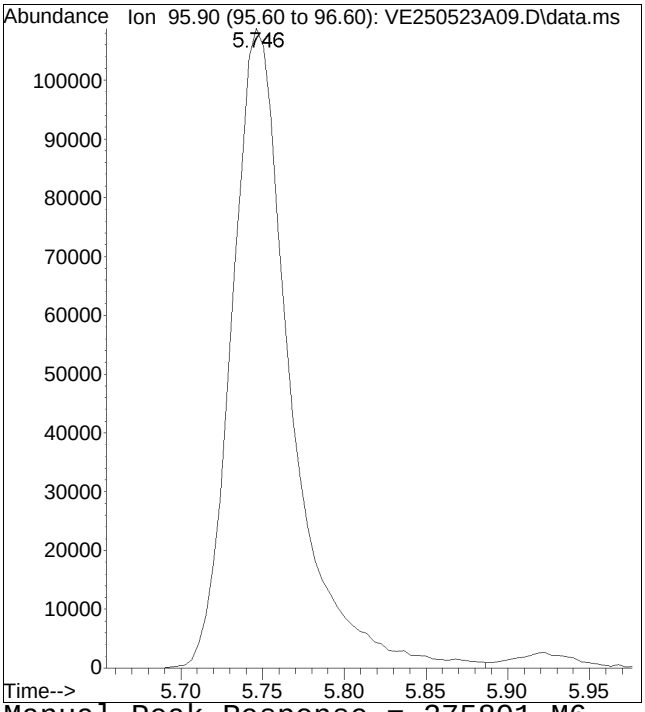
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #1: Fluorobenzene



Original Peak Response = 283139



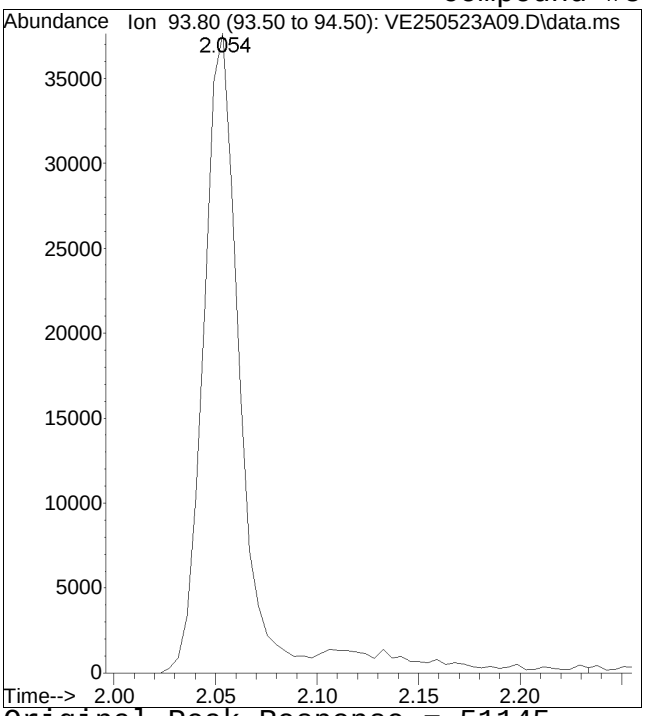
Manual Peak Response = 275801 M6

M6 = Misassignment of peak valley

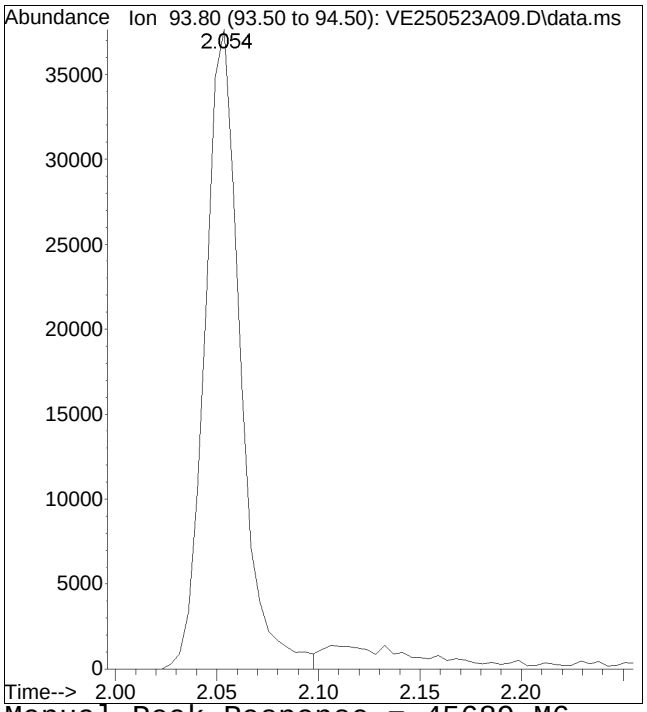
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #5: Bromomethane



Original Peak Response = 51145



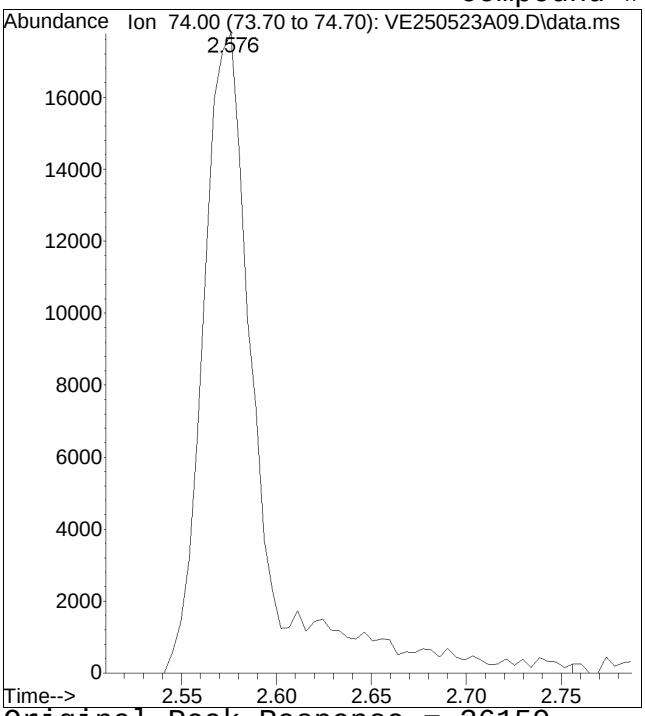
Manual Peak Response = 45689 M6

M6 = Misassignment of peak valley

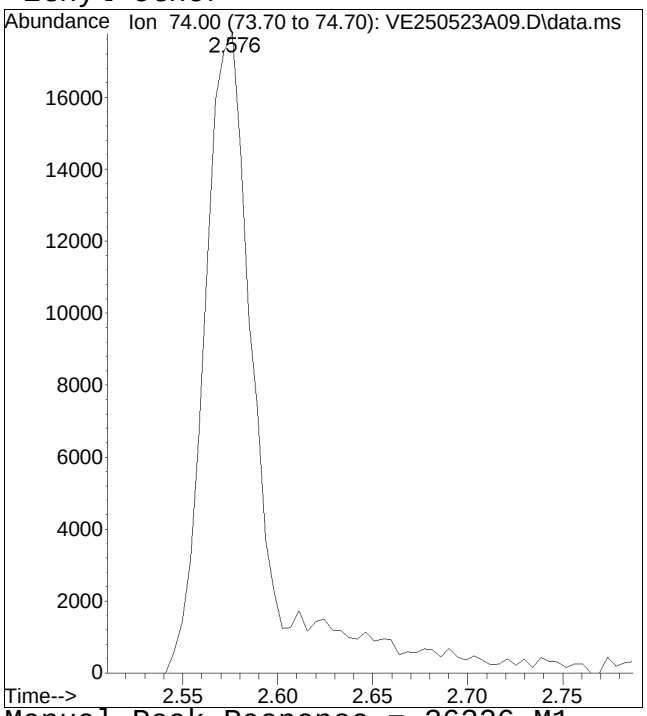
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #8: Ethyl ether



Original Peak Response = 36159



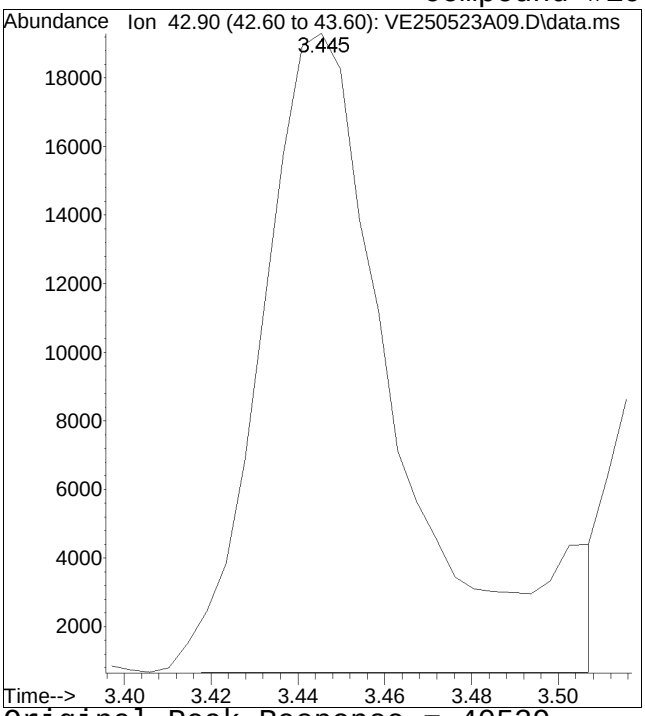
Manual Peak Response = 36226 M1

M1 = Peak Integration was less than it should be

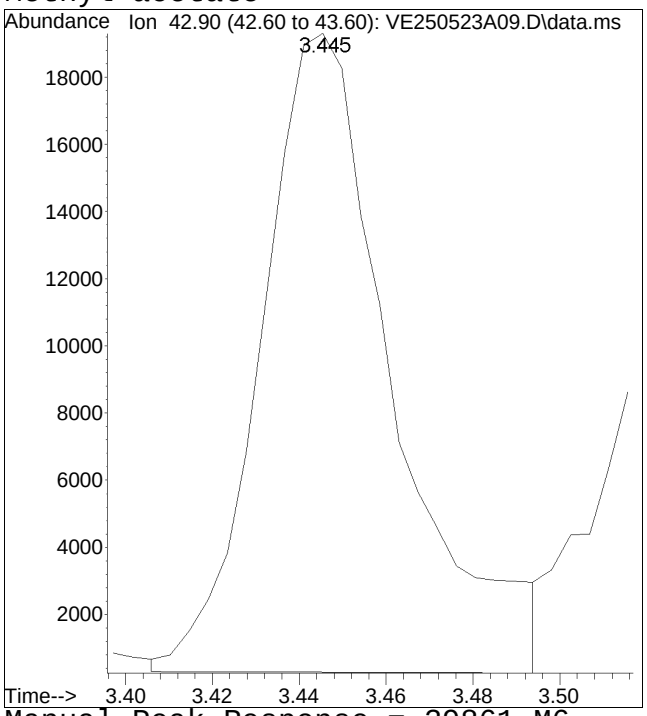
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #19: Methyl acetate



Original Peak Response = 40539



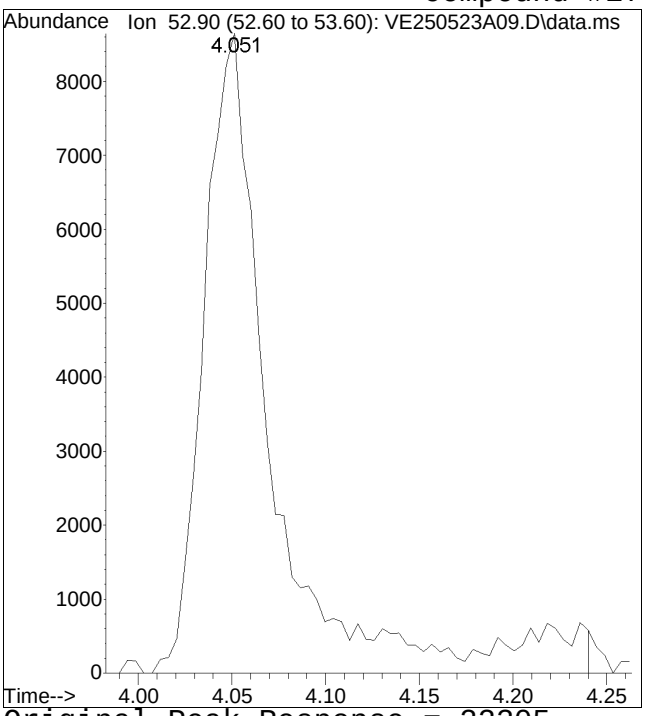
Manual Peak Response = 39861 M6

M6 = Misassignment of peak valley

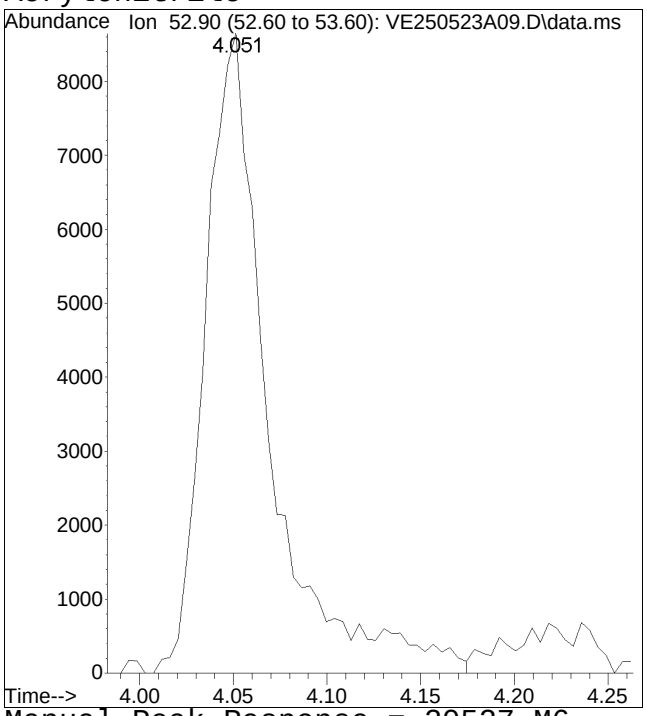
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #27: Acrylonitrile



Original Peak Response = 22305



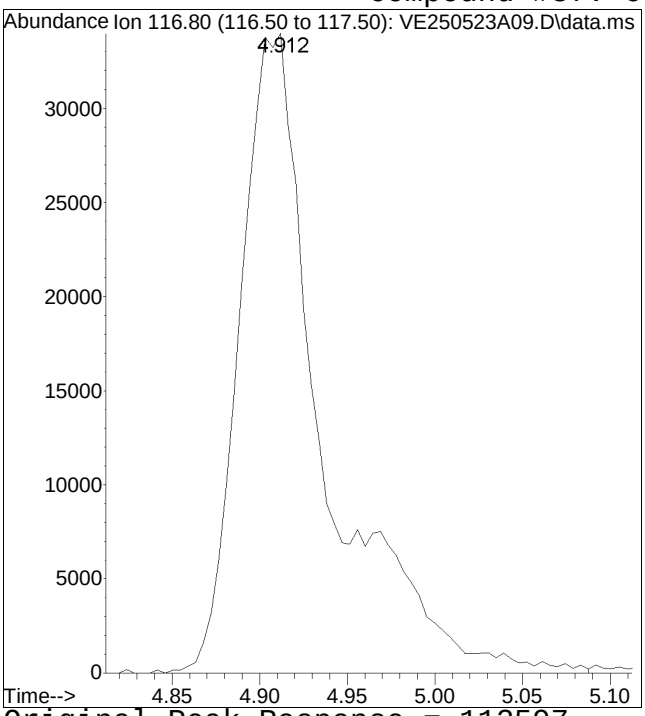
Manual Peak Response = 20527 M6

M6 = Misassignment of peak valley

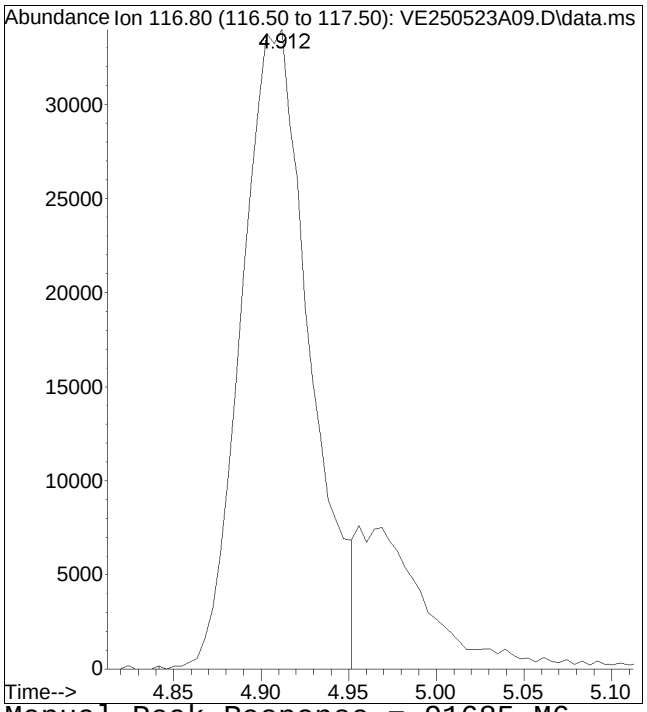
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 112597



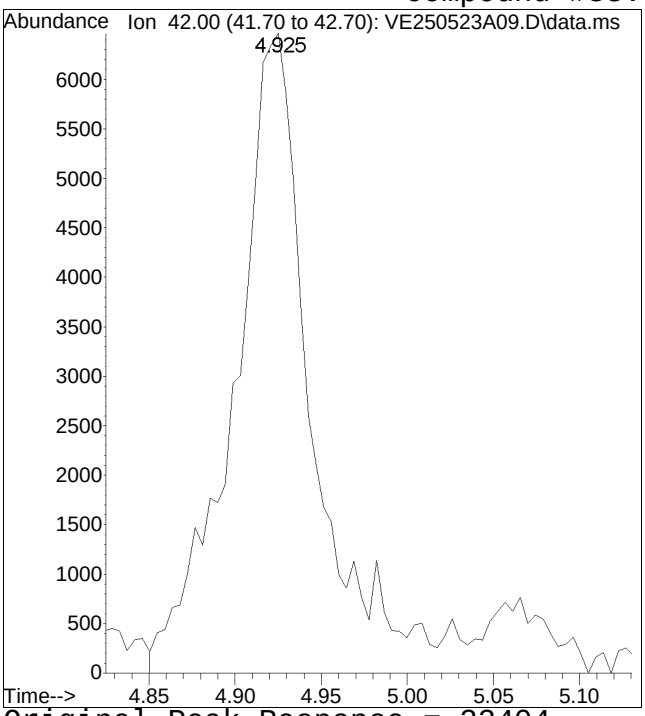
Manual Peak Response = 91685 M6

M6 = Misassignment of peak valley

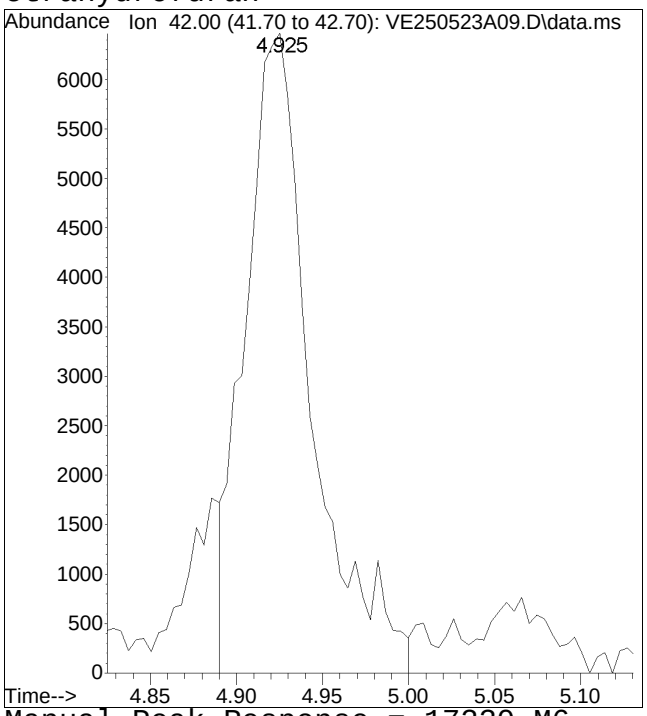
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 22404



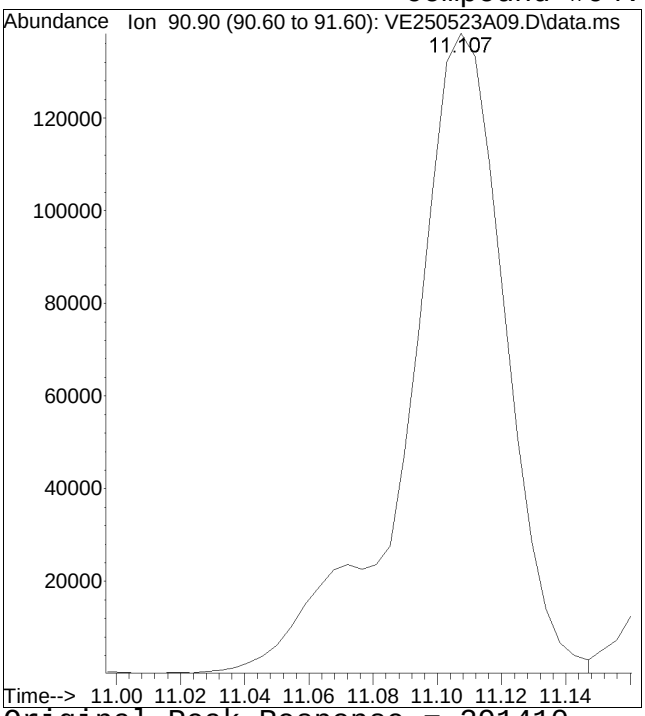
Manual Peak Response = 17230 M6

M6 = Misassignment of peak valley

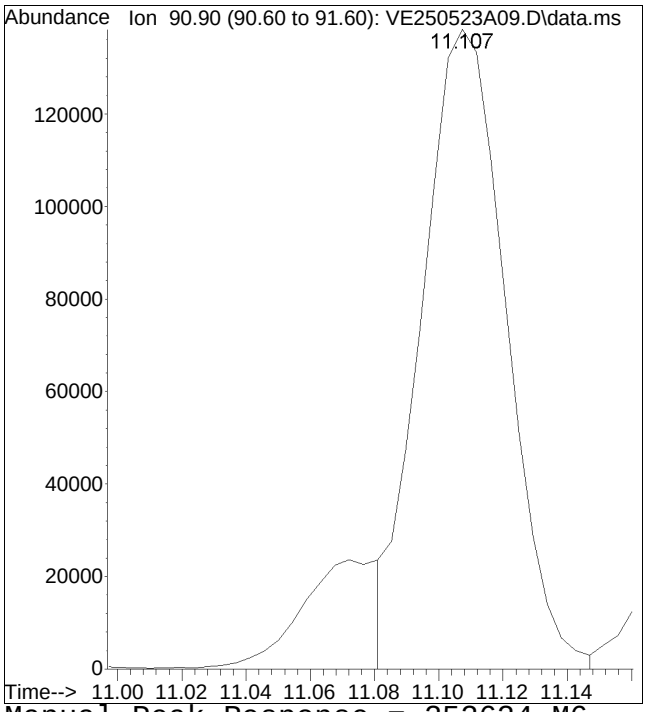
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 291410



Manual Peak Response = 252624 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A10.D
Acq On : 23 May 2025 4:36 am
Operator : ELAINE:JIC
Sample : I8260STD30PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	318853	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery = 115.61%			
63) Chlorobenzene-d5	9.248	117	258233	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery = 111.15%			
84) 1,4-Dichlorobenzene-d4	12.010	152	143702	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery = 110.05%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	89057	9.490	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.90%			
47) 1,2-Dichloroethane-d4	5.465	65	83314M6	8.650	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.50%			
64) Toluene-d8	7.420	98	320233	9.585	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.85%			
88) 4-Bromofluorobenzene	10.777	95	118323	9.962	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.62%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.514	85	315835	26.217	ug/L	100
3) Chloromethane	1.694	50	318426	25.059	ug/L	99
4) Vinyl chloride	1.764	62	286198	25.530	ug/L	98
5) Bromomethane	2.054	94	151316M1	28.647	ug/L	
6) Chloroethane	2.168	64	183828	25.411	ug/L	96
7) Trichlorofluoromethane	2.295	101	361890	25.592	ug/L	98
8) Ethyl ether	2.572	74	123715	31.520	ug/L	92
10) 1,1-Dichloroethene	2.760	96	211894	25.712	ug/L	93
11) Carbon disulfide	2.787	76	664962	26.012	ug/L	99
12) Freon-113	2.791	101	221282	26.917	ug/L	96
13) Iodomethane	2.892	142	317612	25.863	ug/L	97
14) Acrolein	3.063	56	31209	26.437	ug/L	89
15) Methylene chloride	3.292	84	230749	25.666	ug/L	98
17) Acetone	3.327	43	50676	29.516	ug/L	98
18) trans-1,2-Dichloroethene	3.437	96	221875	26.262	ug/L	96
19) Methyl acetate	3.445	43	118594M6	25.735	ug/L	
21) Methyl tert-butyl ether	3.533	73	518781	30.791	ug/L #	90
22) tert-Butyl alcohol	3.625	59	51122	144.716	ug/L #	100
24) Diisopropyl ether	3.884	45	782964	28.486	ug/L	96
25) 1,1-Dichloroethane	4.007	63	423803	25.189	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A10.D
Acq On : 23 May 2025 4:36 am
Operator : ELAINE:JIC
Sample : I8260STD30PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	4.064	117	167558	28.098	ug/L	100
27) Acrylonitrile	4.043	53	67017	28.240	ug/L	97
28) Ethyl tert-butyl ether	4.223	59	613148	29.607	ug/L	94
29) Vinyl acetate	4.236	43	397665	29.370	ug/L	99
30) cis-1,2-Dichloroethene	4.517	96	251228	26.333	ug/L	94
31) 2,2-Dichloropropane	4.613	77	346514	27.017	ug/L	92
33) Bromochloromethane	4.706	128	119291	26.318	ug/L	87
34) Cyclohexane	4.710	56	475044	27.786	ug/L	98
35) Chloroform	4.776	83	392958	26.536	ug/L	97
36) Ethyl acetate	4.881	43	164954	31.247	ug/L	99
37) Carbon tetrachloride	4.903	117	295605M6	27.888	ug/L	
38) Tetrahydrofuran	4.916	42	54351M6	27.285	ug/L	
40) 1,1,1-Trichloroethane	4.969	97	334960	27.438	ug/L	97
42) 2-Butanone	5.057	43	70324	28.704	ug/L	100
43) 1,1-Dichloropropene	5.092	75	273602	30.860	ug/L	97
45) Benzene	5.329	78	879249	29.326	ug/L	97
46) tert-Amyl methyl ether	5.443	73	508710	28.176	ug/L	85
48) 1,2-Dichloroethane	5.535	62	264131	27.582	ug/L	99
51) Methyl cyclohexane	5.913	83	391507	28.392	ug/L	94
52) Trichloroethene	5.922	95	222455	31.128	ug/L	94
54) Dibromomethane	6.357	93	124339	28.928	ug/L	99
55) 1,2-Dichloropropane	6.461	63	236935	30.198	ug/L	98
57) 2-Chloroethyl vinyl ether	7.149	63	108486	30.039	ug/L	91
58) Bromodichloromethane	6.538	83	294288	29.315	ug/L	99
61) 1,4-Dioxane	6.741	88	23492	560.368	ug/L	94
62) cis-1,3-Dichloropropene	7.217	75	355139	32.136	ug/L	93
65) Toluene	7.479	92	556095	28.009	ug/L	99
66) 4-Methyl-2-pentanone	7.913	58	57663	29.158	ug/L	95
67) Tetrachloroethene	7.927	166	234408	28.550	ug/L	99
69) trans-1,3-Dichloropropene	7.963	75	288131	31.804	ug/L	93
71) Ethyl methacrylate	8.153	69	231333	28.549	ug/L	87
72) 1,1,2-Trichloroethane	8.144	83	133035	31.053	ug/L	95
73) Chlorodibromomethane	8.357	129	211570	32.110	ug/L	100
74) 1,3-Dichloropropane	8.466	76	286033	30.952	ug/L	97
75) 1,2-Dibromoethane	8.628	107	162437	31.240	ug/L	98
77) 2-Hexanone	8.909	43	117013	27.290	ug/L	99
78) Chlorobenzene	9.271	112	644508	28.597	ug/L	97
79) Ethylbenzene	9.316	91	1119782	28.382	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.362	131	207618	29.338	ug/L	98
81) p/m Xylene	9.502	106	917559	56.797	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A10.D
Acq On : 23 May 2025 4:36 am
Operator : ELAINE:JIC
Sample : I8260STD30PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) o Xylene	10.049	106	917838	56.711	ug/L		92
83) Styrene	10.117	104	1556605	57.890	ug/L		98
85) Bromoform	10.140	173	129079	32.707	ug/L		97
87) Isopropylbenzene	10.447	105	1189673	29.081	ug/L		98
89) Bromobenzene	10.891	156	268252	29.138	ug/L		98
90) n-Propylbenzene	10.940	91	1411007	28.845	ug/L		98
91) 1,4-Dichlorobutane	10.958	55	328695	29.298	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.037	83	186752	29.319	ug/L		100
93) 4-Ethyltoluene	11.072	105	1174523	28.330	ug/L		98
94) 2-Chlorotoluene	11.107	91	816031M6	29.353	ug/L		
95) 1,3,5-Trimethylbenzene	11.169	105	1056500	29.979	ug/L		99
96) 1,2,3-Trichloropropane	11.169	75	159649	29.321	ug/L		94
97) trans-1,4-Dichloro-2-b...	11.226	53	65522	28.698	ug/L	#	83
98) 4-Chlorotoluene	11.297	91	848220	28.602	ug/L		95
99) tert-Butylbenzene	11.517	119	907041	29.190	ug/L		94
102) 1,2,4-Trimethylbenzene	11.596	105	1045432	30.074	ug/L		96
103) sec-Butylbenzene	11.711	105	1317100	29.050	ug/L		100
104) p-Isopropyltoluene	11.870	119	1180086	29.364	ug/L		98
105) 1,3-Dichlorobenzene	11.931	146	587754	28.999	ug/L		98
106) 1,4-Dichlorobenzene	12.028	146	573786	29.344	ug/L		100
107) p-Diethylbenzene	12.248	119	714961	29.572	ug/L		97
108) n-Butylbenzene	12.306	91	992348	29.940	ug/L		98
109) 1,2-Dichlorobenzene	12.451	146	551838	28.893	ug/L		100
110) 1,2,4,5-Tetramethylben...	13.046	119	1081565	30.426	ug/L		98
111) 1,2-Dibromo-3-chloropr...	13.240	155	35945	30.007	ug/L		100
112) 1,3,5-Trichlorobenzene	13.271	180	400195	29.823	ug/L		99
113) Hexachlorobutadiene	13.848	225	116816	28.903	ug/L		97
114) 1,2,4-Trichlorobenzene	13.870	180	357572	29.364	ug/L		99
115) Naphthalene	14.160	128	827991	29.173	ug/L		100
116) 1,2,3-Trichlorobenzene	14.332	180	319072	29.424	ug/L		100

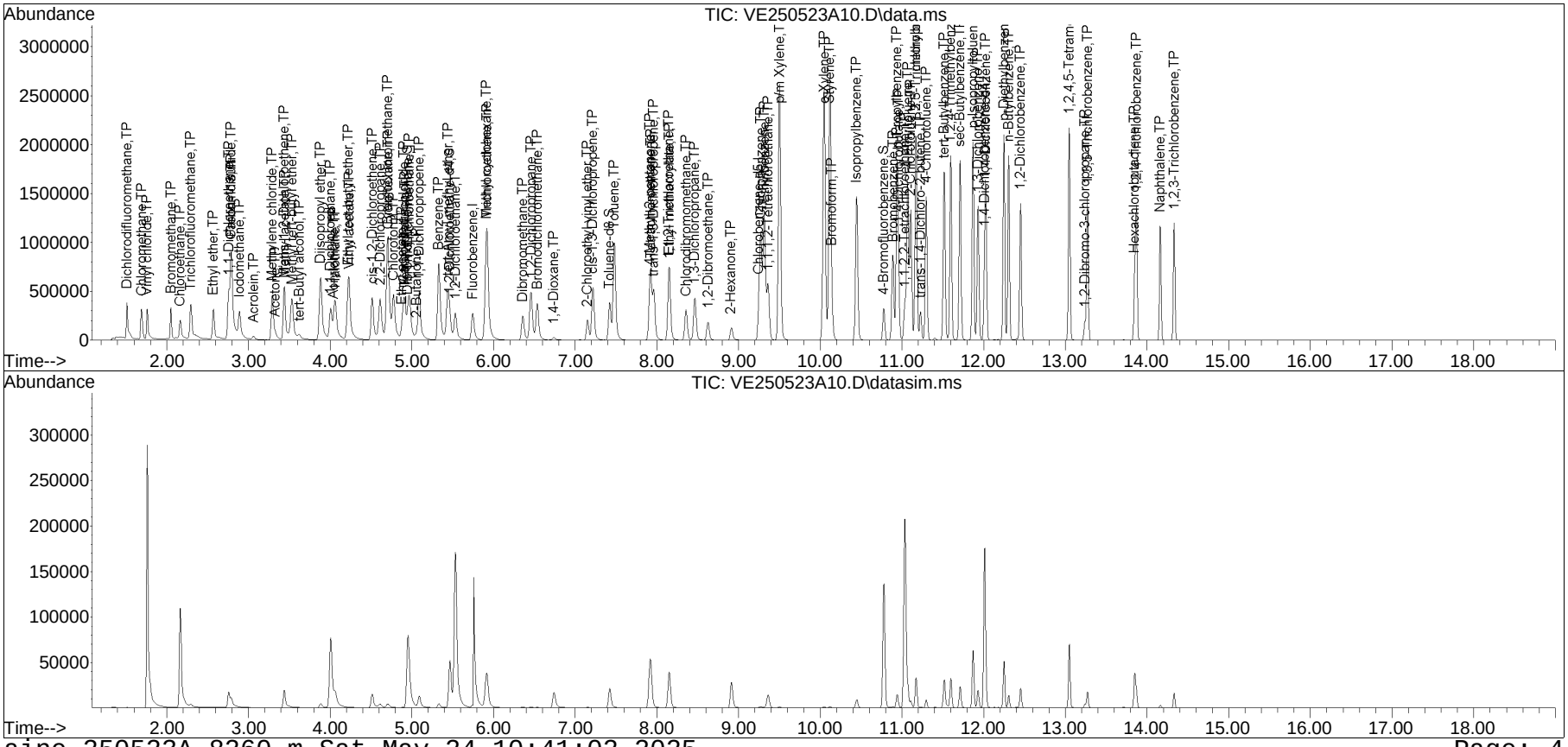
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A10.D
Acq On : 23 May 2025 4:36 am
Operator : ELAINE:JIC
Sample : I8260STD30PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

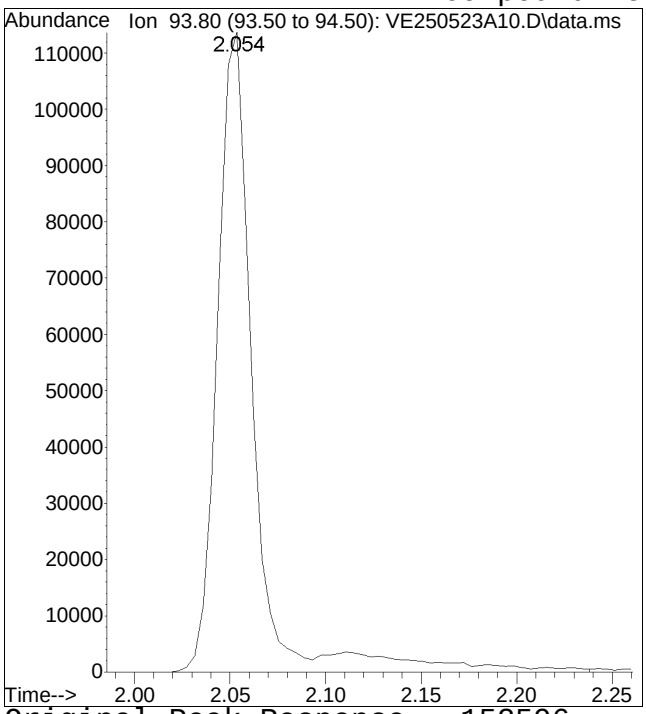
Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•



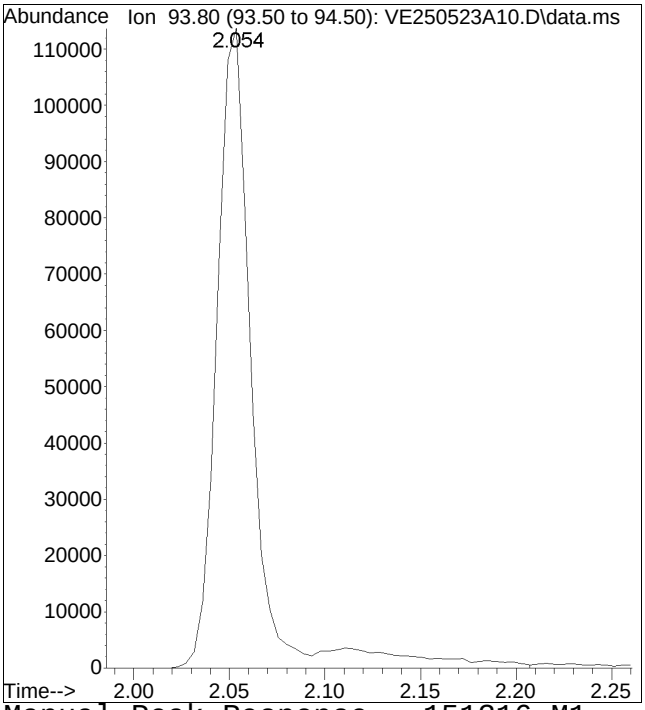
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #5: Bromomethane



Original Peak Response = 152596



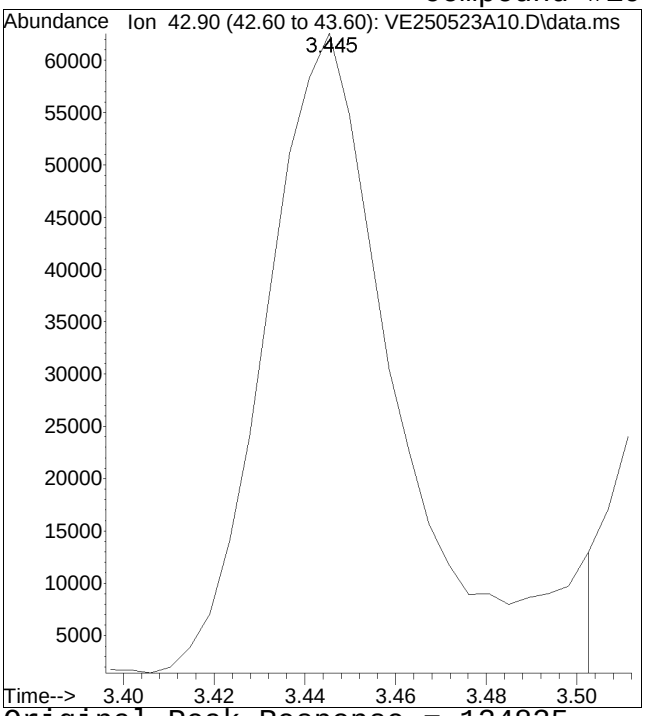
Manual Peak Response = 151316 M1

M1 = Peak Integration was less than it should be

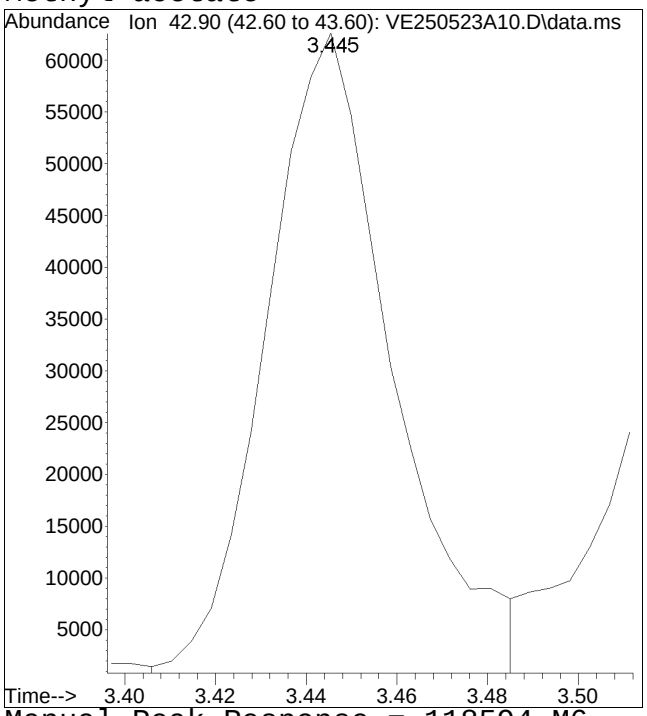
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 124835



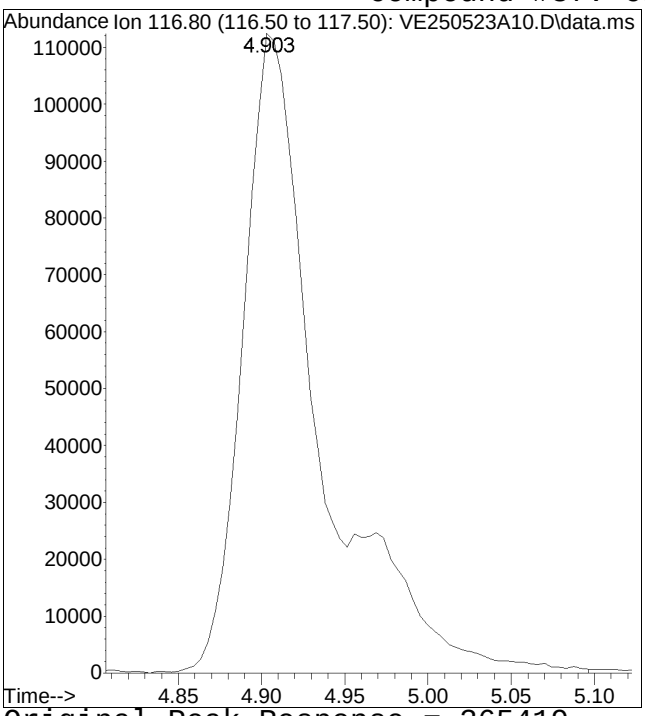
Manual Peak Response = 118594 M6

M6 = Misassignment of peak valley

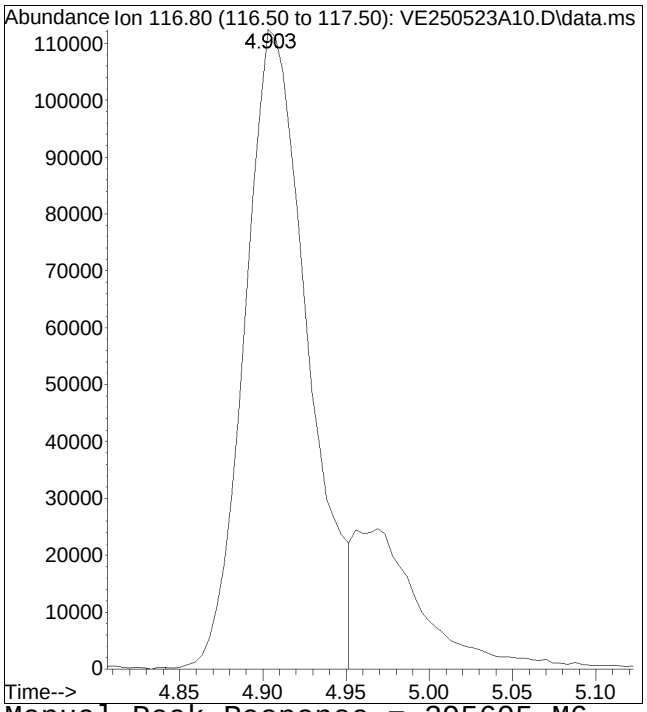
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 365419



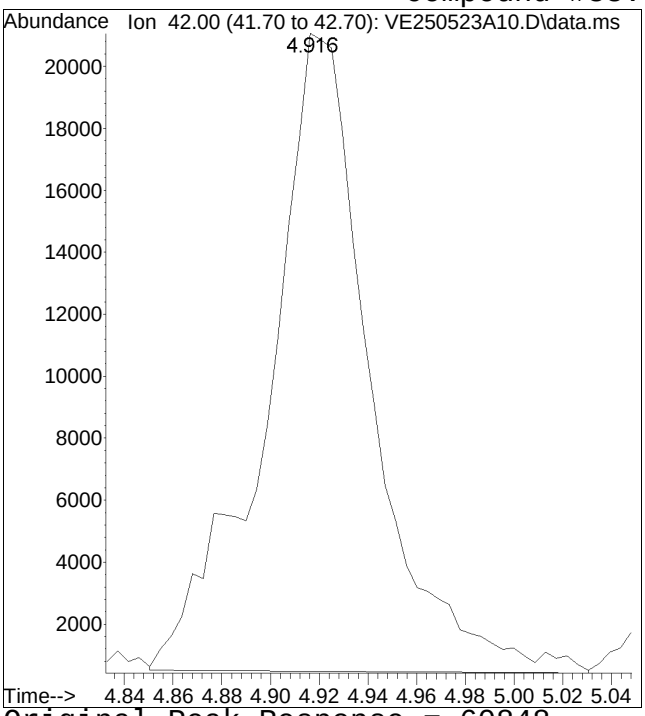
Manual Peak Response = 295605 M6

M6 = Misassignment of peak valley

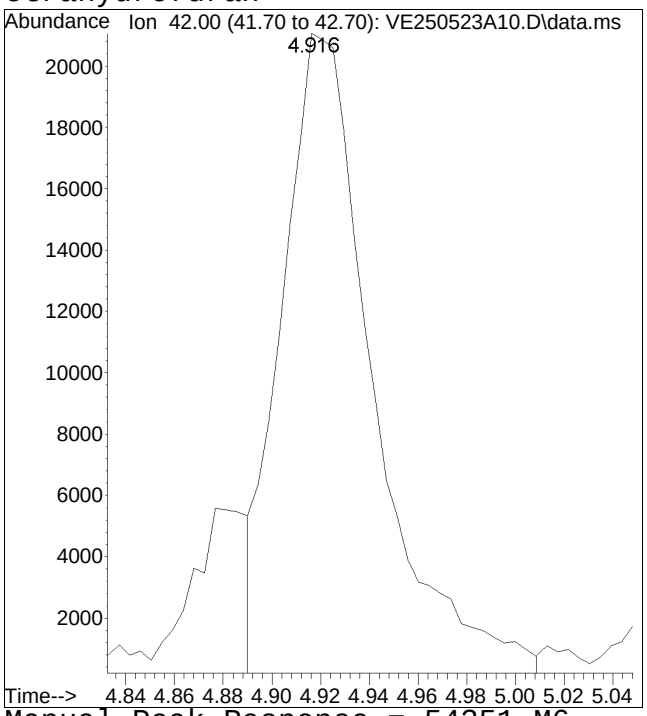
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 60848



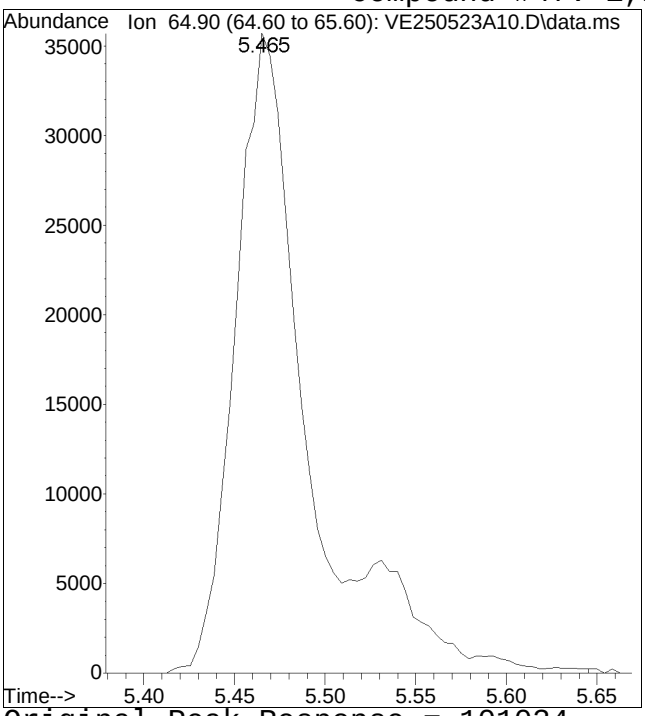
Manual Peak Response = 54351 M6

M6 = Misassignment of peak valley

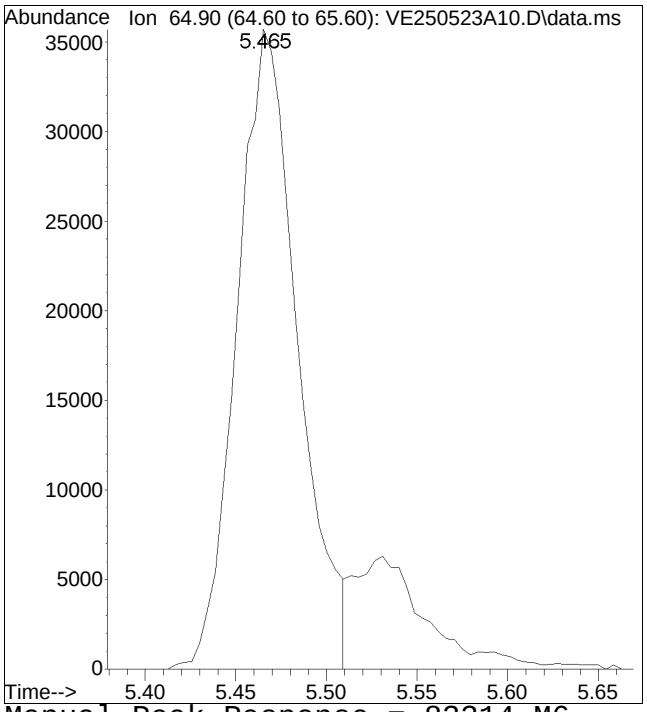
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 101034



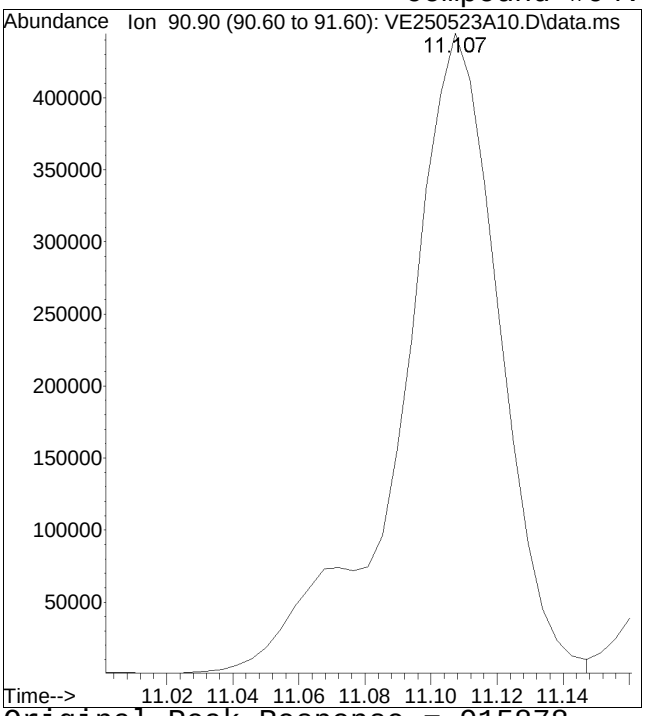
Manual Peak Response = 83314 M6

M6 = Misassignment of peak valley

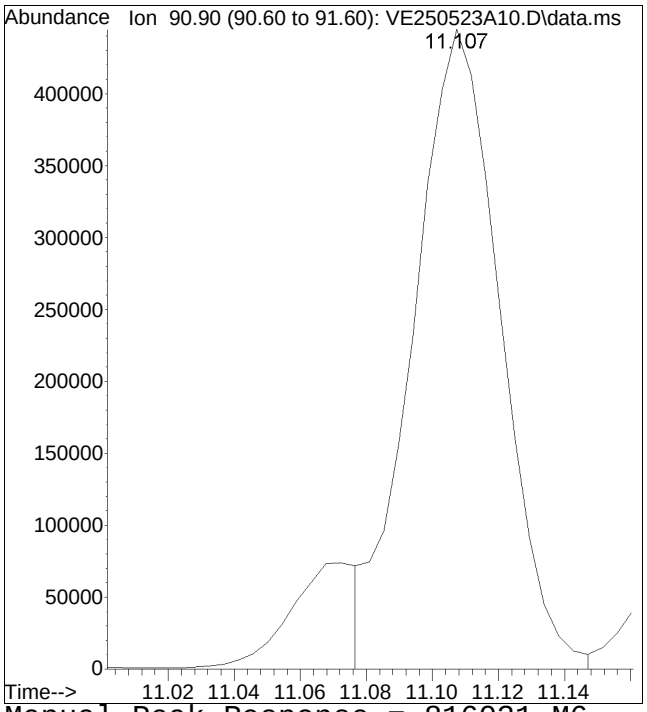
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 915878



Manual Peak Response = 816031 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A11.D
Acq On : 23 May 2025 5:00 am
Operator : ELAINE:JIC
Sample : I8260STD80PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	338114	10.000 ug/L	0.00
Standard Area 1 = 275801			Recovery = 122.59%		
63) Chlorobenzene-d5	9.257	117	259014	10.000 ug/L	0.00
Standard Area 1 = 232323			Recovery = 111.49%		
84) 1,4-Dichlorobenzene-d4	12.010	152	152526	10.000 ug/L	0.00
Standard Area 1 = 130581			Recovery = 116.81%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	87475	8.790 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.90%		
47) 1,2-Dichloroethane-d4	5.465	65	90477M6	8.859 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.59%		
64) Toluene-d8	7.425	98	322585	9.626 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 96.26%		
88) 4-Bromofluorobenzene	10.777	95	117357	9.309 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 93.09%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.513	85	842044	65.916 ug/L	100
3) Chloromethane	1.689	50	850822	63.142 ug/L	99
4) Vinyl chloride	1.759	62	731601	61.543 ug/L	99
5) Bromomethane	2.049	94	414153	73.940 ug/L	100
6) Chloroethane	2.163	64	472263	61.562 ug/L	95
7) Trichlorofluoromethane	2.295	101	966349	64.446 ug/L	99
8) Ethyl ether	2.572	74	349740	84.031 ug/L	92
10) 1,1-Dichloroethene	2.756	96	567784	64.973 ug/L	93
11) Carbon disulfide	2.787	76	1802436	66.492 ug/L	100
12) Freon-113	2.791	101	606048	69.522 ug/L	95
13) Iodomethane	2.892	142	907424	69.683 ug/L	99
14) Acrolein	3.063	56	84251	67.304 ug/L	96
15) Methylene chloride	3.292	84	631546	66.245 ug/L	99
17) Acetone	3.327	43	141301	77.611 ug/L	96
18) trans-1,2-Dichloroethene	3.441	96	608706	67.944 ug/L	95
19) Methyl acetate	3.445	43	335758M6	68.709 ug/L	
21) Methyl tert-butyl ether	3.533	73	1512440	84.654 ug/L #	90
22) tert-Butyl alcohol	3.625	59	133417	356.162 ug/L #	100
24) Diisopropyl ether	3.884	45	2236613	76.738 ug/L	96
25) 1,1-Dichloroethane	4.007	63	1136415	63.695 ug/L	99

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A11.D
Acq On : 23 May 2025 5:00 am
Operator : ELAINE:JIC
Sample : I8260STD80PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Halothane	4.060	117	485748	76.816	ug/L		99
27) Acrylonitrile	4.047	53	178786	71.046	ug/L		98
28) Ethyl tert-butyl ether	4.222	59	1791882	81.596	ug/L		94
29) Vinyl acetate	4.231	43	1190842	82.942	ug/L		100
30) cis-1,2-Dichloroethene	4.517	96	698312	69.026	ug/L		93
31) 2,2-Dichloropropane	4.613	77	949574	69.818	ug/L		88
33) Bromochloromethane	4.705	128	335287	69.758	ug/L		85
34) Cyclohexane	4.705	56	1348786	74.399	ug/L		98
35) Chloroform	4.776	83	1087341	69.245	ug/L		97
36) Ethyl acetate	4.881	43	473037	84.503	ug/L		99
37) Carbon tetrachloride	4.907	117	886065M6	78.832	ug/L		
38) Tetrahydrofuran	4.921	42	163109M4	77.219	ug/L		
40) 1,1,1-Trichloroethane	4.973	97	957260	73.945	ug/L		96
42) 2-Butanone	5.057	43	205105	78.947	ug/L		98
43) 1,1-Dichloropropene	5.092	75	783355	83.322	ug/L		96
45) Benzene	5.333	78	2573538	80.947	ug/L		98
46) tert-Amyl methyl ether	5.443	73	1475946	77.093	ug/L	#	85
48) 1,2-Dichloroethane	5.531	62	723825	71.280	ug/L		99
51) Methyl cyclohexane	5.913	83	1163140	79.546	ug/L		93
52) Trichloroethene	5.927	95	660707	87.185	ug/L		94
54) Dibromomethane	6.357	93	349611	76.704	ug/L		98
55) 1,2-Dichloropropane	6.456	63	678530	81.554	ug/L		98
57) 2-Chloroethyl vinyl ether	7.153	63	311057	81.222	ug/L		92
58) Bromodichloromethane	6.533	83	868870	81.619	ug/L		100
61) 1,4-Dioxane	6.741	88	29254	658.061	ug/L		93
62) cis-1,3-Dichloropropene	7.216	75	1034058	88.241	ug/L		94
65) Toluene	7.479	92	1542430	77.455	ug/L		100
66) 4-Methyl-2-pentanone	7.909	58	155645	78.466	ug/L		99
67) Tetrachloroethene	7.927	166	648532	78.751	ug/L		99
69) trans-1,3-Dichloropropene	7.963	75	827848	91.102	ug/L		95
71) Ethyl methacrylate	8.153	69	617170	75.936	ug/L		90
72) 1,1,2-Trichloroethane	8.144	83	383340	89.209	ug/L		94
73) Chlorodibromomethane	8.357	129	633908	95.917	ug/L		99
74) 1,3-Dichloropropane	8.465	76	827905	89.318	ug/L		97
75) 1,2-Dibromoethane	8.624	107	469963	90.112	ug/L		99
77) 2-Hexanone	8.913	43	310187	72.123	ug/L		98
78) Chlorobenzene	9.275	112	1801720	79.701	ug/L		96
79) Ethylbenzene	9.316	91	3184353	80.468	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.361	131	628921	88.602	ug/L		97
81) p/m Xylene	9.502	106	2689351	165.969	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A11.D
Acq On : 23 May 2025 5:00 am
Operator : ELAINE:JIC
Sample : I8260STD80PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	o Xylene	10.049	106	2671612	164.574	ug/L		90
83)	Styrene	10.122	104	4574281	169.604	ug/L		97
85)	Bromoform	10.144	173	400439	95.596	ug/L		96
87)	Isopropylbenzene	10.446	105	3428152	78.953	ug/L		97
89)	Bromobenzene	10.891	156	768968	78.695	ug/L		97
90)	n-Propylbenzene	10.940	91	4075233	78.489	ug/L		97
91)	1,4-Dichlorobutane	10.957	55	912488	76.628	ug/L		99
92)	1,1,2,2-Tetrachloroethane	11.037	83	509845	75.412	ug/L		99
93)	4-Ethyltoluene	11.072	105	3421078	77.743	ug/L		97
94)	2-Chlorotoluene	11.112	91	2354187M6	79.782	ug/L		
95)	1,3,5-Trimethylbenzene	11.173	105	3142516	84.012	ug/L		98
96)	1,2,3-Trichloropropane	11.173	75	473017	81.848	ug/L		95
97)	trans-1,4-Dichloro-2-b...	11.226	53	183351	75.660	ug/L	#	76
98)	4-Chlorotoluene	11.297	91	2465188	78.317	ug/L		95
99)	tert-Butylbenzene	11.517	119	2647455	80.269	ug/L		94
102)	1,2,4-Trimethylbenzene	11.601	105	3074754	83.334	ug/L		96
103)	sec-Butylbenzene	11.715	105	3862937	80.273	ug/L		100
104)	p-Isopropyltoluene	11.869	119	3459625	81.105	ug/L		98
105)	1,3-Dichlorobenzene	11.931	146	1735190	80.658	ug/L		98
106)	1,4-Dichlorobenzene	12.028	146	1700880	81.952	ug/L		99
107)	p-Diethylbenzene	12.248	119	2119533	82.595	ug/L		98
108)	n-Butylbenzene	12.310	91	2888256	82.099	ug/L		98
109)	1,2-Dichlorobenzene	12.455	146	1607705	79.305	ug/L		99
110)	1,2,4,5-Tetramethylben...	13.050	119	3254454	86.255	ug/L		98
111)	1,2-Dibromo-3-chloropr...	13.240	155	97385	76.595	ug/L		97
112)	1,3,5-Trichlorobenzene	13.270	180	1181907	82.981	ug/L		99
113)	Hexachlorobutadiene	13.852	225	322985	75.291	ug/L		98
114)	1,2,4-Trichlorobenzene	13.870	180	1071087	82.870	ug/L		98
115)	Naphthalene	14.165	128	2452556	81.413	ug/L		100
116)	1,2,3-Trichlorobenzene	14.332	180	926364	80.485	ug/L		99

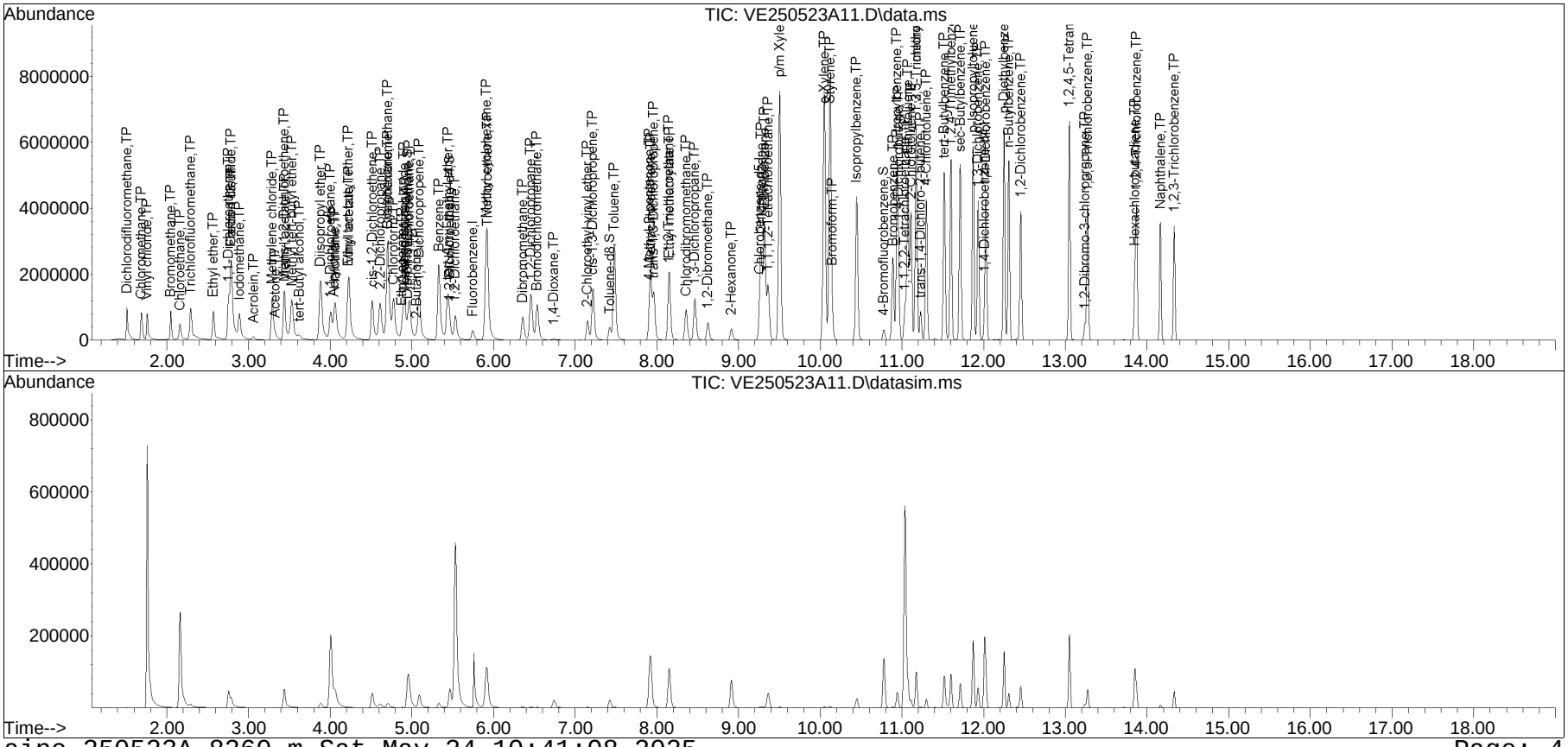
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A11.D
Acq On : 23 May 2025 5:00 am
Operator : ELAINE:JIC
Sample : I8260STD80PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•

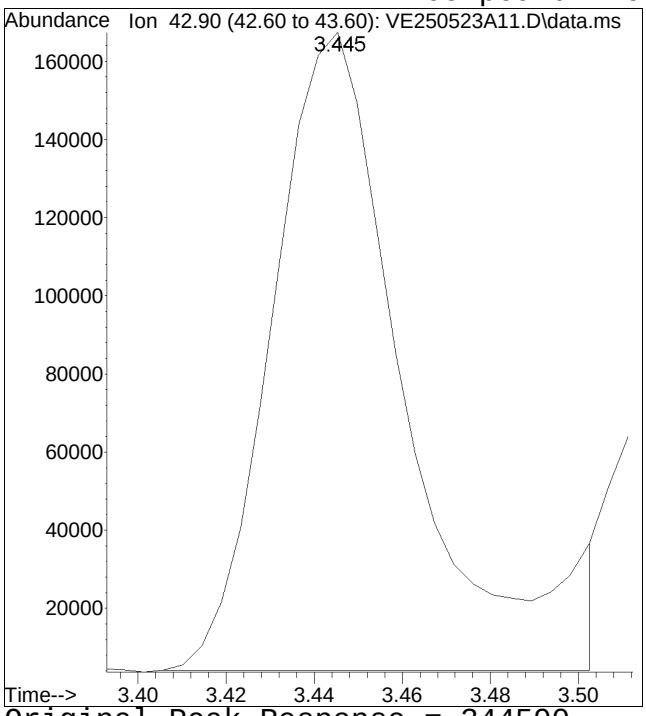


Manual Integration Report

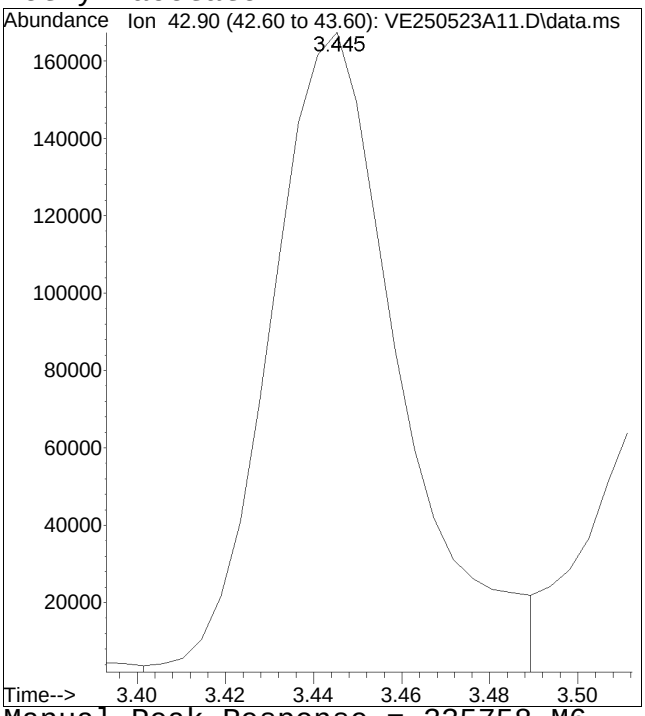
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A11.D
Date Inj'd : 5/23/2025 5:00 am
Sample : I8260STD80PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 344590



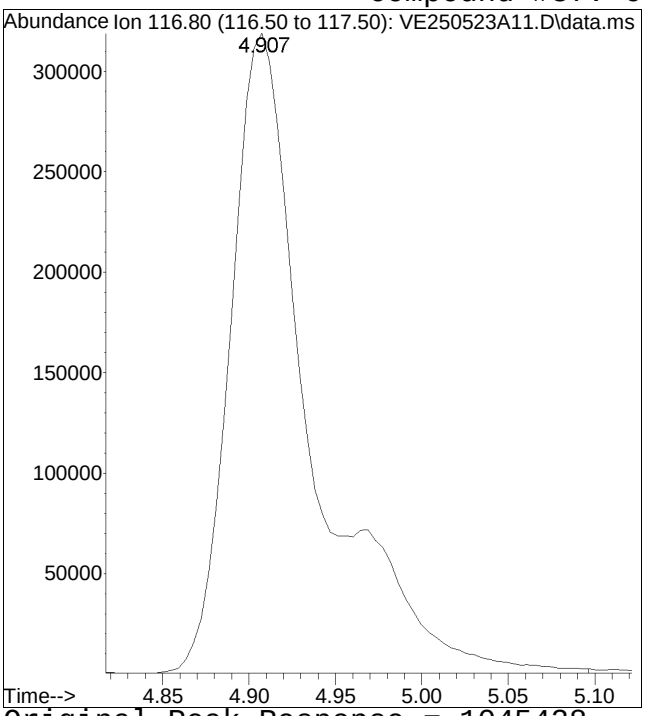
Manual Peak Response = 335758 M6

M6 = Misassignment of peak valley

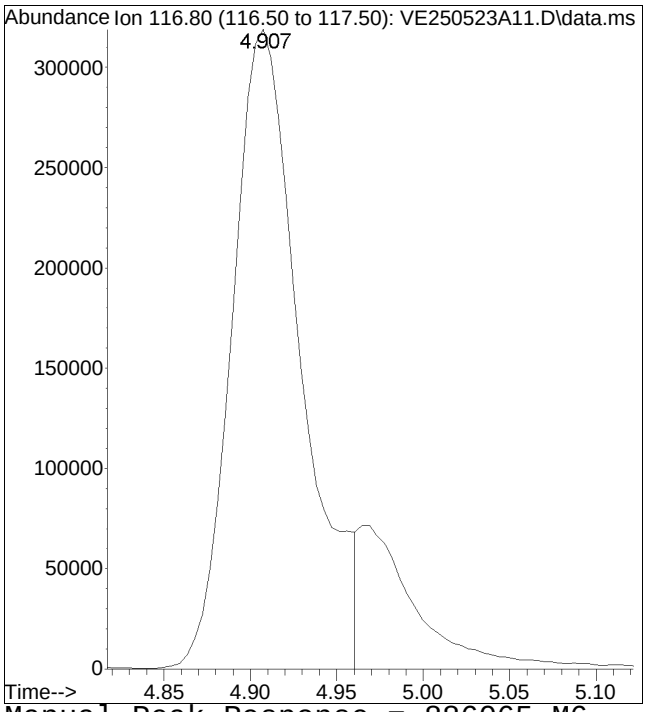
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1045428



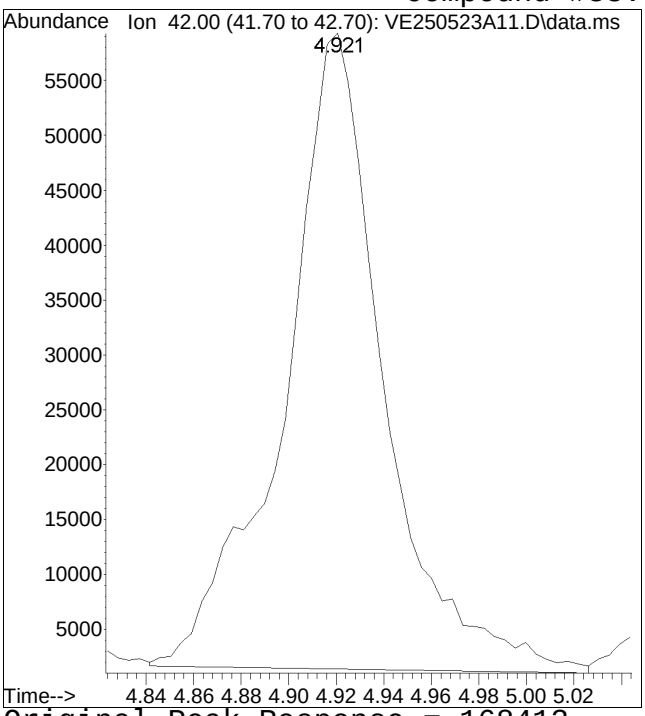
Manual Peak Response = 886065 M6

M6 = Misassignment of peak valley

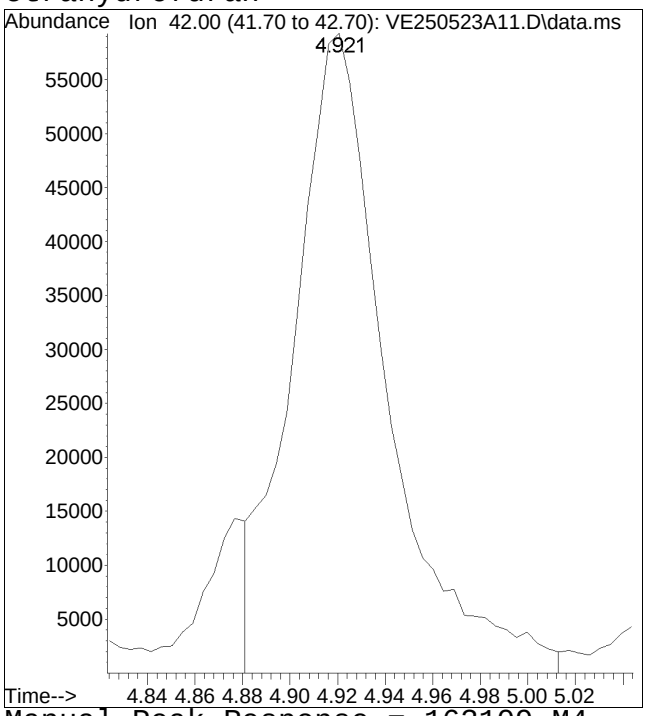
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 168413



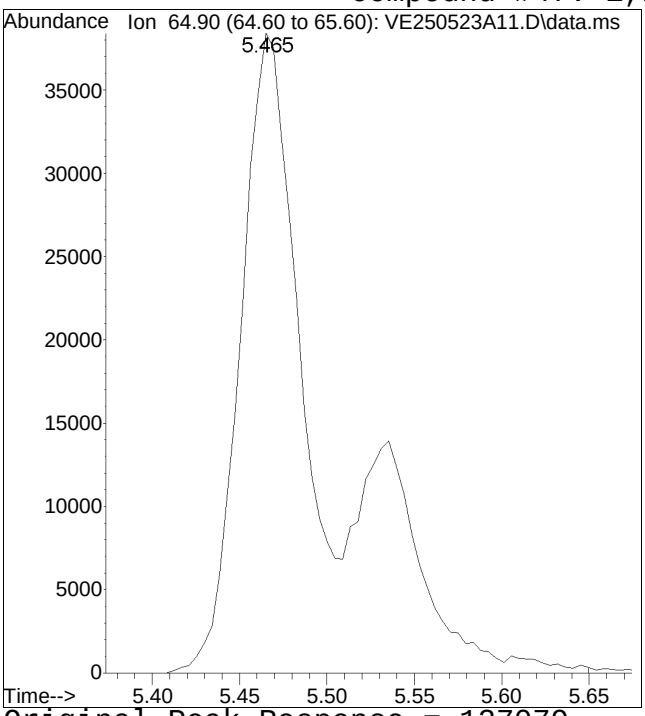
Manual Peak Response = 163109 M4

M4 = Baseline adjustment required

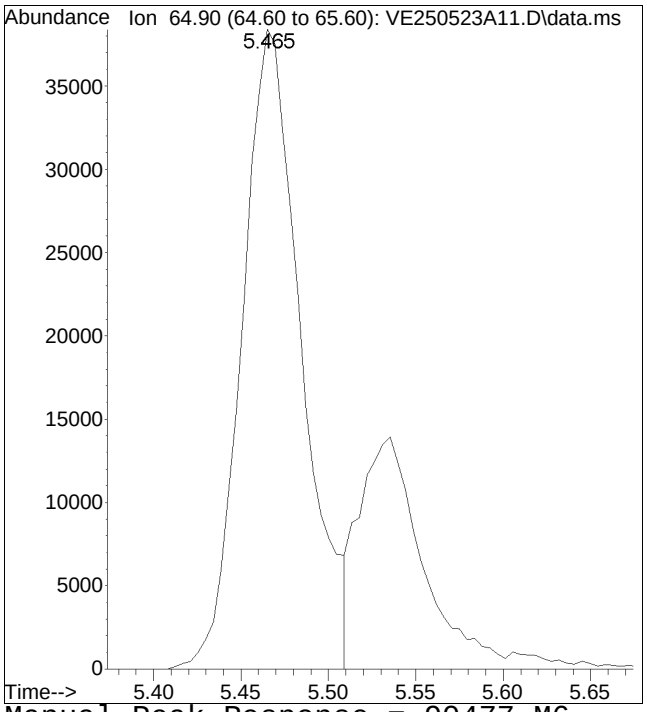
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 127079



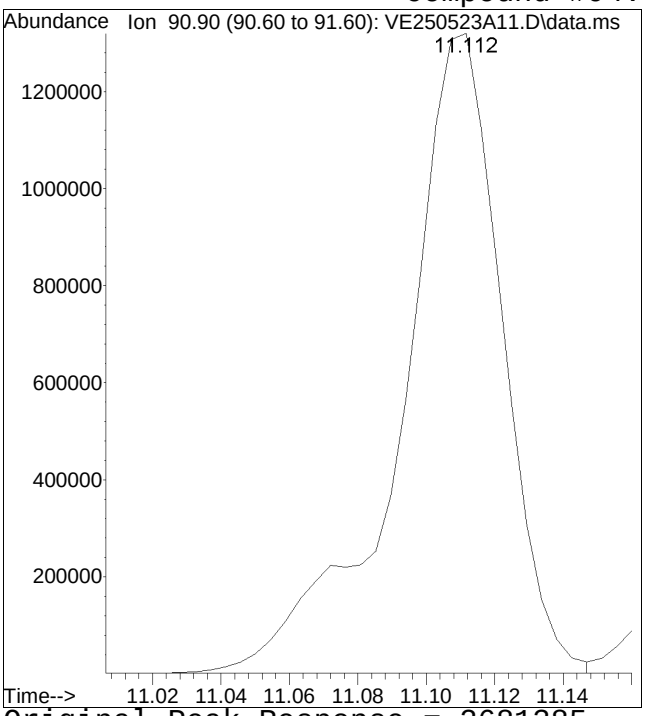
Manual Peak Response = 90477 M6

M6 = Misassignment of peak valley

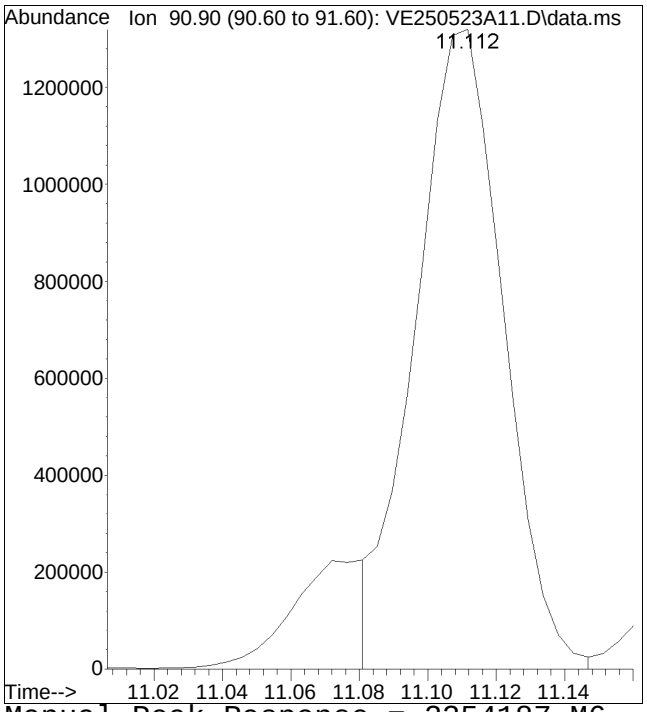
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 2681385



Manual Peak Response = 2354187 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A12.D
Acq On : 23 May 2025 5:25 am
Operator : ELAINE:JIC
Sample : I8260STD120PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.750	96	349349	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery = 126.67%			
63) Chlorobenzene-d5	9.253	117	269538	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery = 116.02%			
84) 1,4-Dichlorobenzene-d4	12.015	152	156029	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery = 119.49%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	92324	8.979	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.79%			
47) 1,2-Dichloroethane-d4	5.465	65	92700M6	8.784	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.84%			
64) Toluene-d8	7.420	98	332946	9.547	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.47%			
88) 4-Bromofluorobenzene	10.777	95	121286	9.405	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 94.05%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	1277032	96.752	ug/L	99
3) Chloromethane	1.689	50	1281985	92.080	ug/L	99
4) Vinyl chloride	1.759	62	1098183	89.409	ug/L	99
5) Bromomethane	2.053	94	647892	111.951	ug/L	99
6) Chloroethane	2.163	64	713640	90.036	ug/L	96
7) Trichlorofluoromethane	2.295	101	1508553	97.370	ug/L	99
8) Ethyl ether	2.572	74	548795	127.616	ug/L	93
10) 1,1-Dichloroethene	2.760	96	884317	97.941	ug/L	91
11) Carbon disulfide	2.787	76	2806887	100.216	ug/L	99
12) Freon-113	2.796	101	946750	105.112	ug/L	96
13) Iodomethane	2.892	142	1315325	97.758	ug/L	98
14) Acrolein	3.059	56	133216	102.997	ug/L	96
15) Methylene chloride	3.292	84	975910	99.075	ug/L	98
17) Acetone	3.327	43	215848	114.744	ug/L	96
18) trans-1,2-Dichloroethene	3.441	96	952963	102.950	ug/L	95
19) Methyl acetate	3.441	43	532072M6	105.380	ug/L	
21) Methyl tert-butyl ether	3.533	73	2424878	131.360	ug/L #	90
22) tert-Butyl alcohol	3.625	59	223658	577.862	ug/L #	100
24) Diisopropyl ether	3.884	45	3504230	116.364	ug/L	96
25) 1,1-Dichloroethane	4.007	63	1728479	93.765	ug/L	99

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A12.D
Acq On : 23 May 2025 5:25 am
Operator : ELAINE:JIC
Sample : I8260STD120PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Halothane	4.064	117	756977	115.859	ug/L		99
27) Acrylonitrile	4.047	53	278047	106.937	ug/L		97
28) Ethyl tert-butyl ether	4.227	59	2882711	127.047	ug/L		96
29) Vinyl acetate	4.236	43	2008800	135.413	ug/L		100
30) cis-1,2-Dichloroethene	4.517	96	1082373	103.548	ug/L		92
31) 2,2-Dichloropropane	4.613	77	1457713	103.732	ug/L		88
33) Bromochloromethane	4.705	128	526553	106.029	ug/L		82
34) Cyclohexane	4.705	56	2092678	111.720	ug/L		96
35) Chloroform	4.780	83	1686348	103.938	ug/L		97
36) Ethyl acetate	4.881	43	760231	131.440	ug/L		98
37) Carbon tetrachloride	4.907	117	1341726M6	115.532	ug/L		
38) Tetrahydrofuran	4.921	42	227431M6	104.208	ug/L		
40) 1,1,1-Trichloroethane	4.973	97	1485370	111.050	ug/L		96
42) 2-Butanone	5.057	43	325917	121.415	ug/L		97
43) 1,1-Dichloropropene	5.092	75	1228164	126.433	ug/L		96
45) Benzene	5.333	78	4026835	122.585	ug/L		99
46) tert-Amyl methyl ether	5.443	73	2385426	120.590	ug/L	#	84
48) 1,2-Dichloroethane	5.535	62	1130765	107.773	ug/L		98
51) Methyl cyclohexane	5.913	83	1863595	123.351	ug/L		92
52) Trichloroethene	5.927	95	1042012	133.079	ug/L		93
54) Dibromomethane	6.357	93	553594	117.552	ug/L		97
55) 1,2-Dichloropropane	6.461	63	1057950	123.067	ug/L		99
57) 2-Chloroethyl vinyl ether	7.158	63	492520	124.470	ug/L		93
58) Bromodichloromethane	6.538	83	1359395	123.591	ug/L		99
61) 1,4-Dioxane	6.741	88	45806	997.257	ug/L		95
62) cis-1,3-Dichloropropene	7.221	75	1638730	135.343	ug/L		94
65) Toluene	7.483	92	2424133	116.977	ug/L		100
66) 4-Methyl-2-pentanone	7.909	58	245855	119.104	ug/L		99
67) Tetrachloroethene	7.927	166	1025765	119.695	ug/L		98
69) trans-1,3-Dichloropropene	7.963	75	1320653	139.660	ug/L		96
71) Ethyl methacrylate	8.153	69	992204	117.313	ug/L		91
72) 1,1,2-Trichloroethane	8.149	83	604994	135.294	ug/L		92
73) Chlorodibromomethane	8.357	129	1013774	147.405	ug/L		99
74) 1,3-Dichloropropane	8.465	76	1316640	136.499	ug/L		97
75) 1,2-Dibromoethane	8.624	107	753578	138.851	ug/L		99
77) 2-Hexanone	8.913	43	476610	106.492	ug/L		98
78) Chlorobenzene	9.275	112	2856498	121.426	ug/L		96
79) Ethylbenzene	9.316	91	5076492	123.273	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.361	131	1036706	140.348	ug/L		97
81) p/m Xylene	9.506	106	4263156	252.821	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A12.D
Acq On : 23 May 2025 5:25 am
Operator : ELAINE:JIC
Sample : I8260STD120PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82) o Xylene	10.054	106	4241921	251.103	ug/L		89
83) Styrene	10.122	104	7228322	257.546	ug/L		98
85) Bromoform	10.144	173	655672	153.012	ug/L		96
87) Isopropylbenzene	10.446	105	5465813	123.055	ug/L		97
89) Bromobenzene	10.891	156	1236539	123.704	ug/L		98
90) n-Propylbenzene	10.944	91	6425754	120.981	ug/L		96
91) 1,4-Dichlorobutane	10.957	55	1438852	118.118	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.037	83	823552	119.077	ug/L		100
93) 4-Ethyltoluene	11.076	105	5452518	121.125	ug/L		97
94) 2-Chlorotoluene	11.112	91	3803898M6	126.017	ug/L		
95) 1,3,5-Trimethylbenzene	11.178	105	4988671	130.372	ug/L		97
96) 1,2,3-Trichloropropane	11.173	75	748224	126.562	ug/L		92
97) trans-1,4-Dichloro-2-b...	11.231	53	290741	117.280	ug/L	#	75
98) 4-Chlorotoluene	11.301	91	3897338	121.035	ug/L		94
99) tert-Butylbenzene	11.521	119	4175375	123.752	ug/L		94
102) 1,2,4-Trimethylbenzene	11.601	105	4807633	127.374	ug/L		96
103) sec-Butylbenzene	11.715	105	6029243	122.476	ug/L		99
104) p-Isopropyltoluene	11.874	119	5372407	123.119	ug/L		98
105) 1,3-Dichlorobenzene	11.935	146	2742110	124.602	ug/L		98
106) 1,4-Dichlorobenzene	12.028	146	2686851	126.552	ug/L		99
107) p-Diethylbenzene	12.248	119	3335200	127.050	ug/L		98
108) n-Butylbenzene	12.310	91	4496769	124.951	ug/L		97
109) 1,2-Dichlorobenzene	12.455	146	2527380	121.872	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.050	119	5326927	138.013	ug/L		99
111) 1,2-Dibromo-3-chloropr...	13.240	155	161152	123.903	ug/L		98
112) 1,3,5-Trichlorobenzene	13.275	180	1932474	132.631	ug/L		99
113) Hexachlorobutadiene	13.852	225	499109	113.736	ug/L		97
114) 1,2,4-Trichlorobenzene	13.870	180	1715253	129.730	ug/L		99
115) Naphthalene	14.165	128	3892250	126.303	ug/L		100
116) 1,2,3-Trichlorobenzene	14.332	180	1438567	122.180	ug/L		99

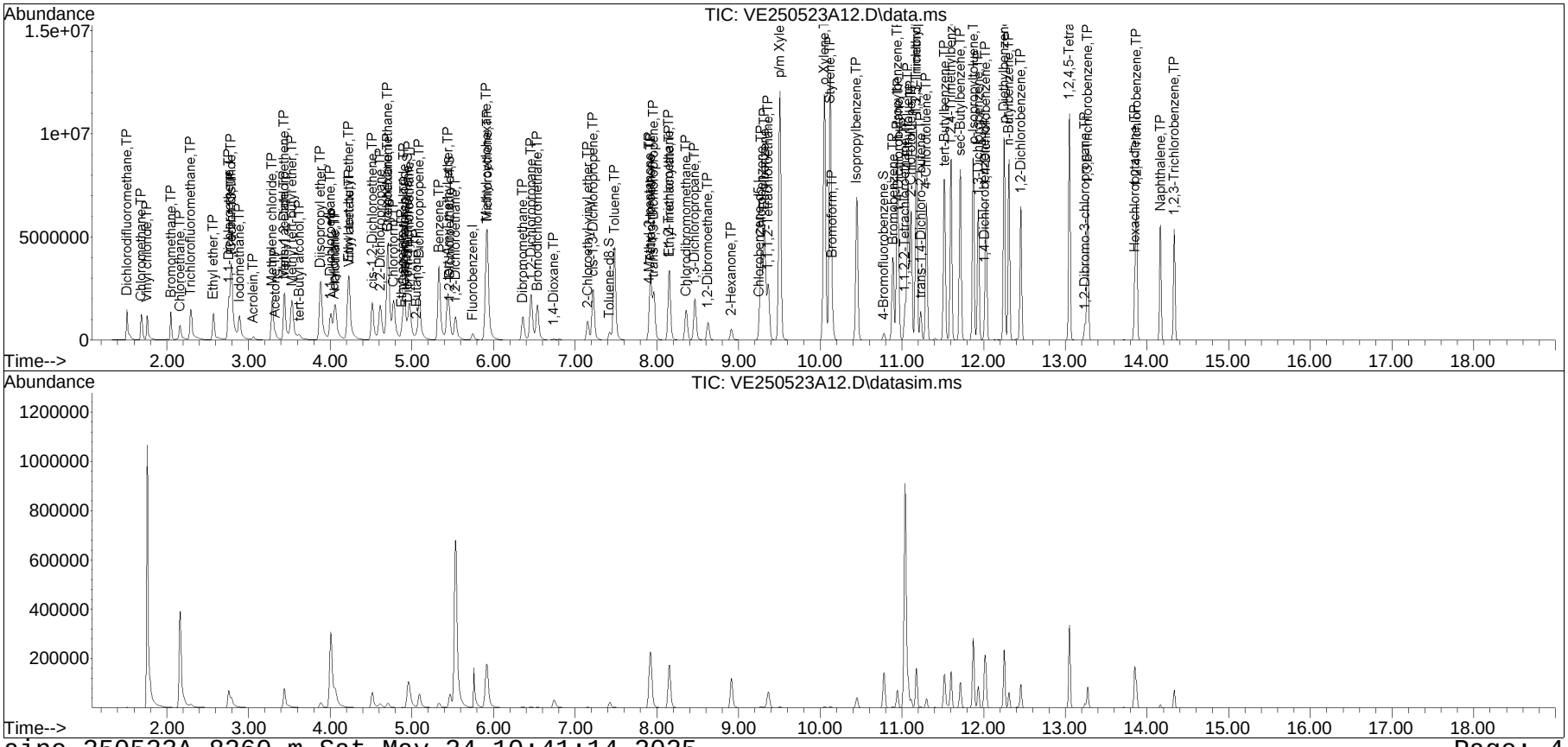
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A12.D
Acq On : 23 May 2025 5:25 am
Operator : ELAINE:JIC
Sample : I8260STD120PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•

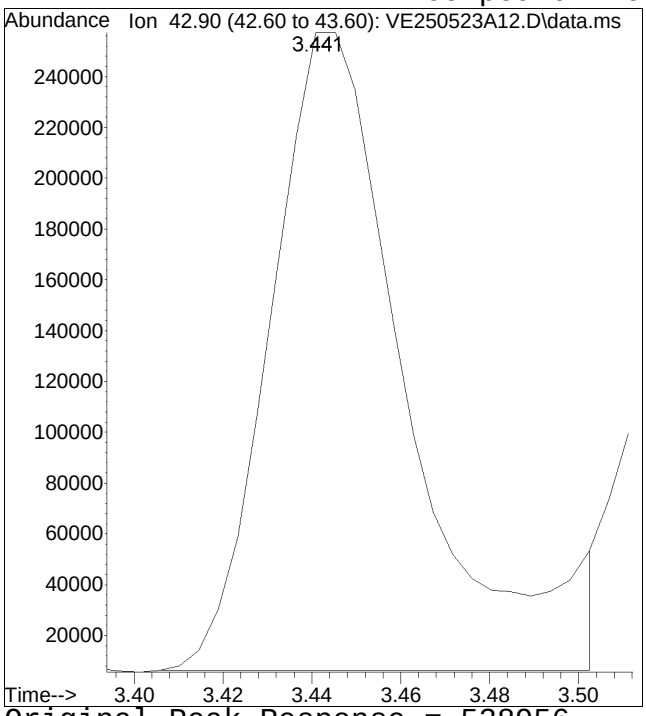


Manual Integration Report

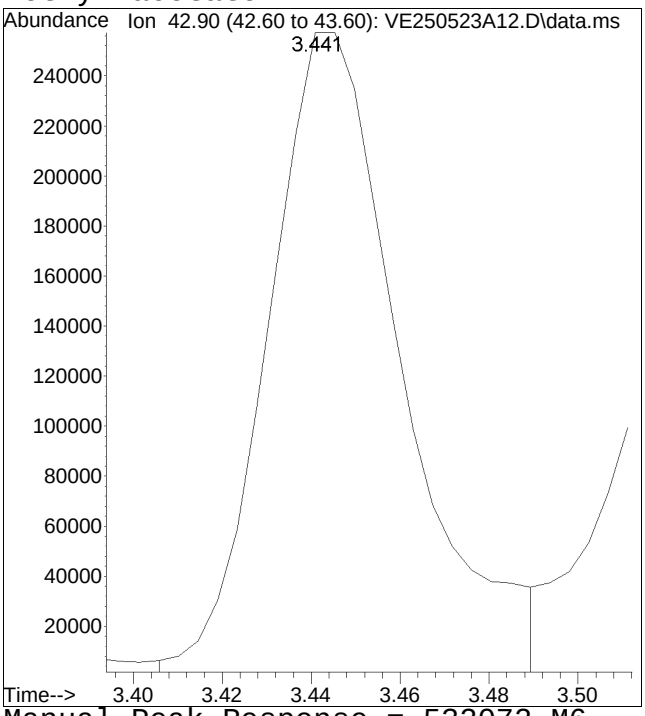
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A12.D
Date Inj'd : 5/23/2025 5:25 am
Sample : I8260STD120PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 538956



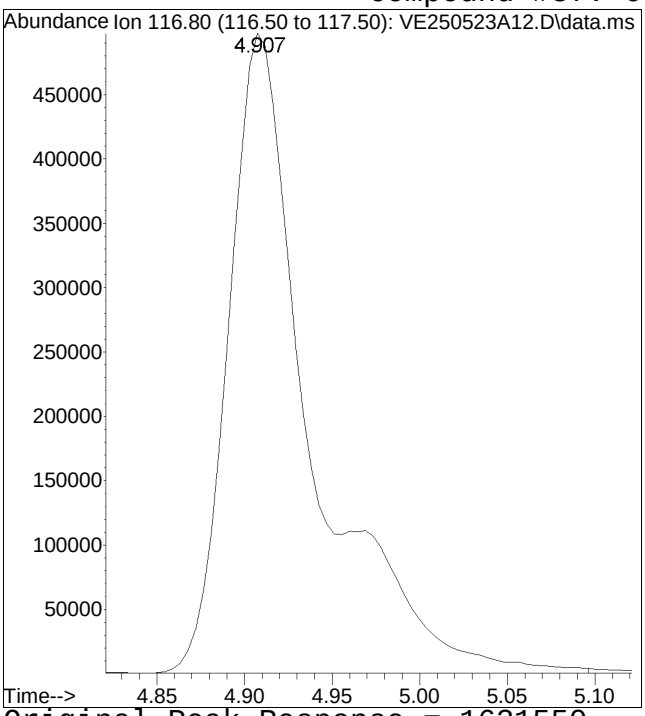
Manual Peak Response = 532072 M6

M6 = Misassignment of peak valley

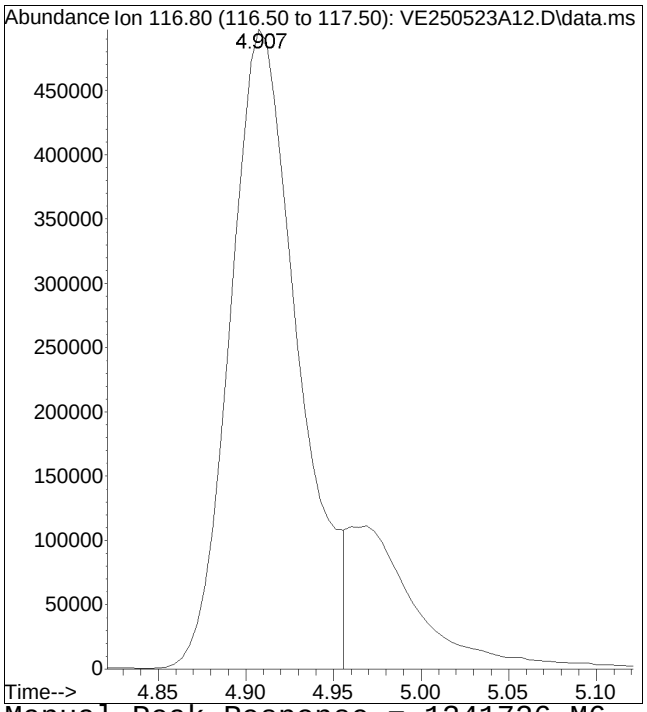
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1631550



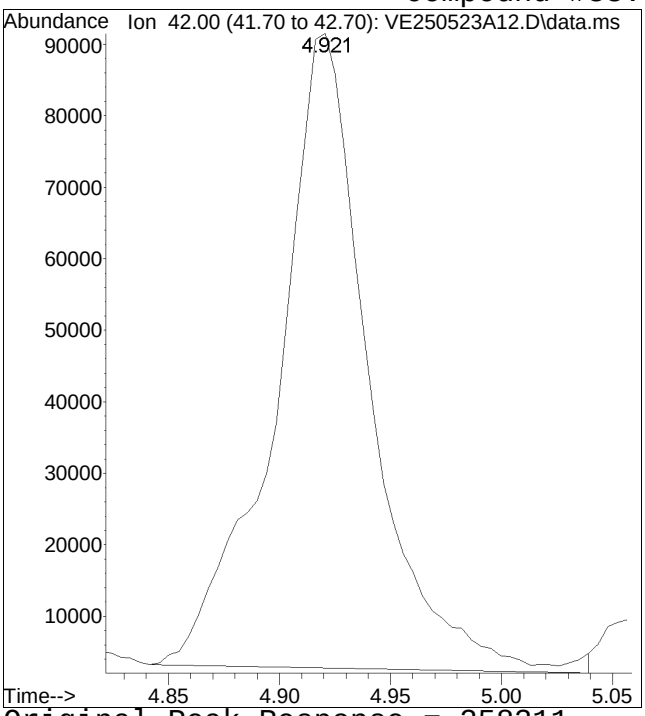
Manual Peak Response = 1341726 M6

M6 = Misassignment of peak valley

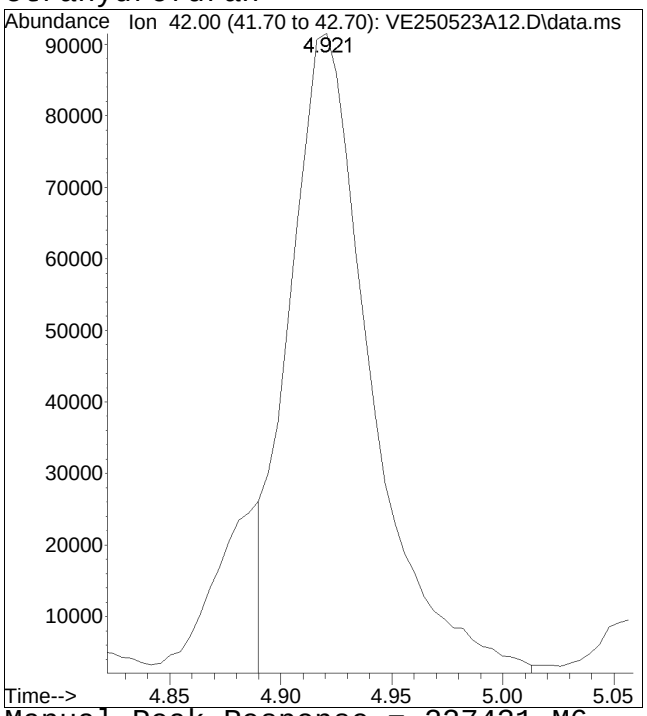
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 258311



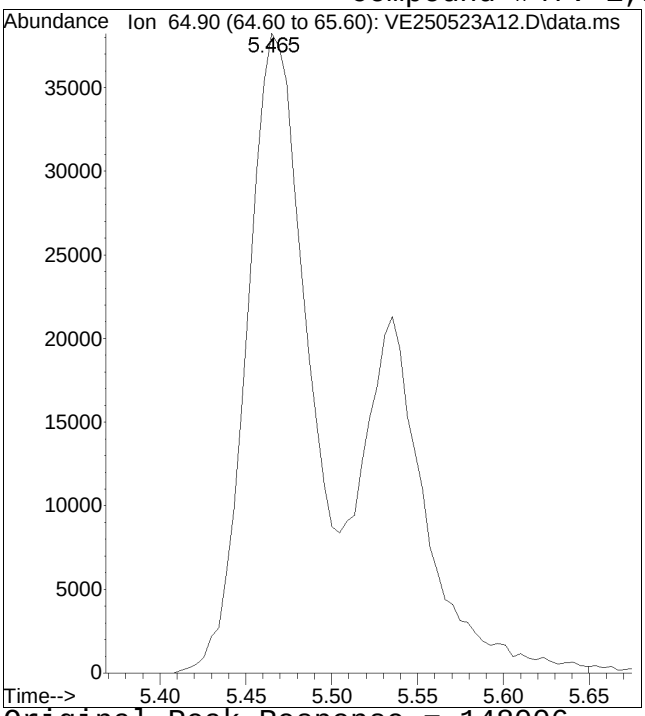
Manual Peak Response = 227431 M6

M6 = Misassignment of peak valley

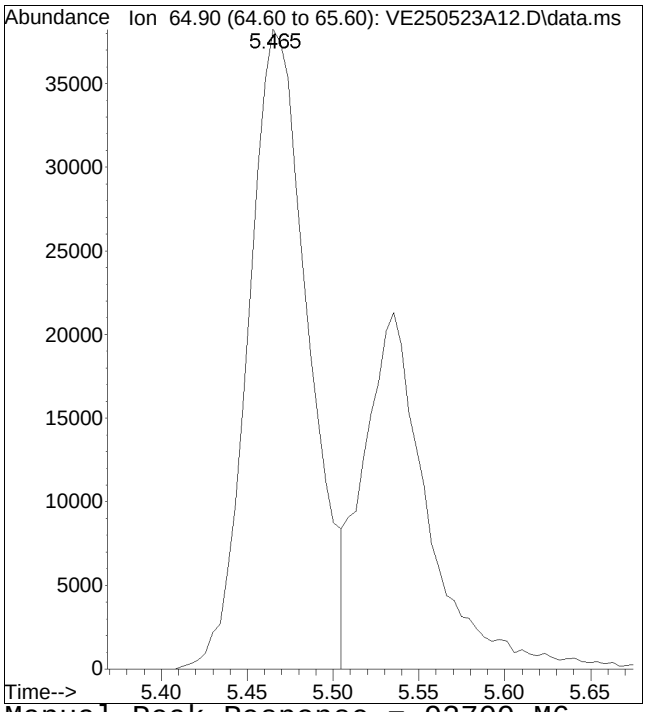
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 148006



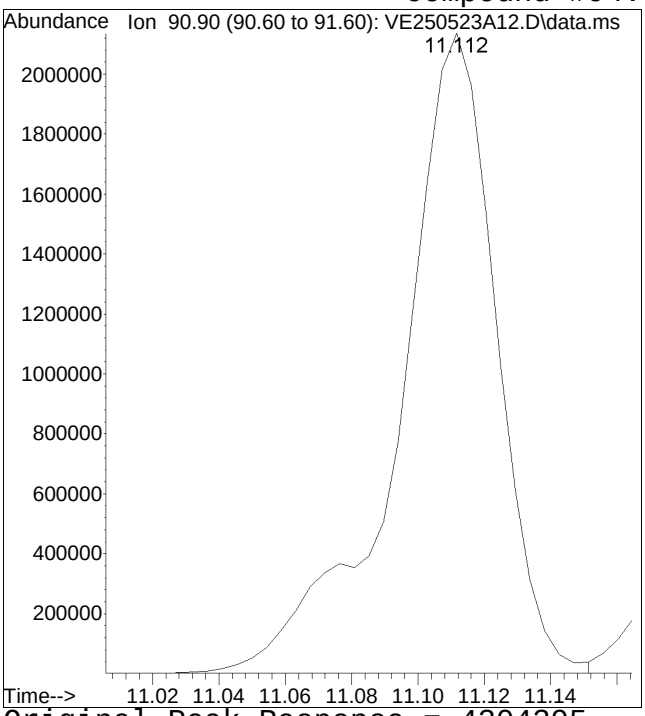
Manual Peak Response = 92700 M6

M6 = Misassignment of peak valley

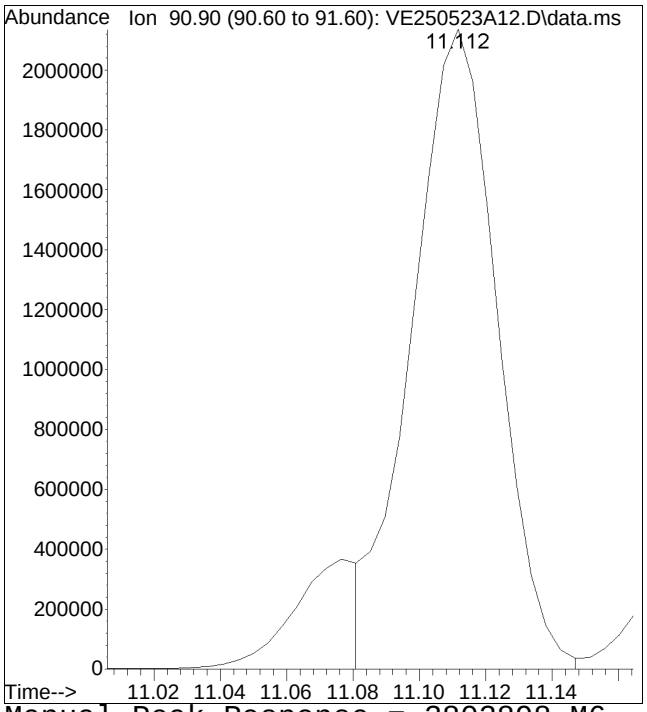
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 4304395



Manual Peak Response = 3803898 M6

M6 = Misassignment of peak valley

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A13.D
Acq On : 23 May 2025 5:49 am
Operator : ELAINE:JIC
Sample : I8260STD200PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	375134	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery = 136.02%			
63) Chlorobenzene-d5	9.257	117	293073	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery = 126.15%			
84) 1,4-Dichlorobenzene-d4	12.015	152	173957	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery = 133.22%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	98997	8.966	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.66%			
47) 1,2-Dichloroethane-d4	5.469	65	98030M6	8.651	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 86.51%			
64) Toluene-d8	7.425	98	343529	9.060	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.60%			
88) 4-Bromofluorobenzene	10.781	95	127284	8.853	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 88.53%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	2122545	149.758	ug/L	99
3) Chloromethane	1.689	50	2169937	145.145	ug/L	100
4) Vinyl chloride	1.759	62	1831395	138.855	ug/L	99
5) Bromomethane	2.049	94	1104079	177.663	ug/L	99
6) Chloroethane	2.155	64	1174320	137.973	ug/L	96
7) Trichlorofluoromethane	2.295	101	2608342	156.784	ug/L	99
8) Ethyl ether	2.572	74	965559	209.097	ug/L	93
10) 1,1-Dichloroethene	2.760	96	1526514	157.446	ug/L	90
11) Carbon disulfide	2.787	76	4795735	159.455	ug/L	100
12) Freon-113	2.796	101	1613830	166.859	ug/L	95
13) Iodomethane	2.888	142	2305393	159.564	ug/L	99
14) Acrolein	3.063	56	231645	166.788	ug/L	97
15) Methylene chloride	3.292	84	1730497	163.605	ug/L	97
17) Acetone	3.327	43	380664	188.450	ug/L	98
18) trans-1,2-Dichloroethene	3.441	96	1669340	167.945	ug/L	93
19) Methyl acetate	3.441	43	939730M6	173.326	ug/L	
21) Methyl tert-butyl ether	3.533	73	4339604	218.925	ug/L #	89
22) tert-Butyl alcohol	3.625	59	412406	992.288	ug/L #	100
24) Diisopropyl ether	3.884	45	6138288	189.821	ug/L	96
25) 1,1-Dichloroethane	4.007	63	2963259	149.699	ug/L	98

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A13.D
Acq On : 23 May 2025 5:49 am
Operator : ELAINE:JIC
Sample : I8260STD200PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
26) Halothane	4.064	117	1376145	196.148	ug/L		99
27) Acrylonitrile	4.047	53	462750	165.741	ug/L		99
28) Ethyl tert-butyl ether	4.223	59	5190343	213.026	ug/L		91
29) Vinyl acetate	4.236	43	3200440	200.912	ug/L		99
30) cis-1,2-Dichloroethene	4.517	96	1912255	170.367	ug/L		90
31) 2,2-Dichloropropane	4.613	77	2514314	166.622	ug/L		86
33) Bromochloromethane	4.706	128	938075	175.912	ug/L	#	79
34) Cyclohexane	4.710	56	3596499	178.805	ug/L		94
35) Chloroform	4.780	83	2991626	171.715	ug/L		97
36) Ethyl acetate	4.881	43	1329866	214.123	ug/L		99
37) Carbon tetrachloride	4.907	117	2401005M6	192.533	ug/L		
38) Tetrahydrofuran	4.921	42	443044M6	189.048	ug/L		
40) 1,1,1-Trichloroethane	4.973	97	2619886	182.406	ug/L		95
42) 2-Butanone	5.061	43	570125	197.791	ug/L		99
43) 1,1-Dichloropropene	5.092	75	2164486	207.506	ug/L		96
45) Benzene	5.333	78	7178864	203.518	ug/L		99
46) tert-Amyl methyl ether	5.443	73	4314458	203.117	ug/L	#	84
48) 1,2-Dichloroethane	5.535	62	1945488	172.679	ug/L		99
51) Methyl cyclohexane	5.913	83	3332265	205.401	ug/L		90
52) Trichloroethene	5.927	95	1947157	231.584	ug/L		93
54) Dibromomethane	6.357	93	990556	195.880	ug/L		97
55) 1,2-Dichloropropane	6.461	63	1865917	202.136	ug/L		99
57) 2-Chloroethyl vinyl ether	7.153	63	885298	208.354	ug/L		93
58) Bromodichloromethane	6.538	83	2426777	205.468	ug/L		100
61) 1,4-Dioxane	6.741	88	81598	1654.387	ug/L		95
62) cis-1,3-Dichloropropene	7.221	75	2911174	223.908	ug/L		96
65) Toluene	7.484	92	4392906	194.958	ug/L		98
66) 4-Methyl-2-pentanone	7.913	58	428055	190.718	ug/L		97
67) Tetrachloroethene	7.922	166	1856843	199.272	ug/L		98
69) trans-1,3-Dichloropropene	7.963	75	2396969	233.125	ug/L		98
71) Ethyl methacrylate	8.153	69	1736328	188.808	ug/L		92
72) 1,1,2-Trichloroethane	8.149	83	1106753	227.626	ug/L		93
73) Chlorodibromomethane	8.361	129	1908012	255.151	ug/L		99
74) 1,3-Dichloropropane	8.466	76	2352506	224.304	ug/L		98
75) 1,2-Dibromoethane	8.628	107	1351996	229.108	ug/L		99
77) 2-Hexanone	8.914	43	806188	165.667	ug/L		98
78) Chlorobenzene	9.276	112	5195880	203.134	ug/L		95
79) Ethylbenzene	9.321	91	9028582	201.635	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.366	131	1909802	237.784	ug/L		97
81) p/m Xylene	9.506	106	7575077	413.156	ug/L		91

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A13.D
Acq On : 23 May 2025 5:49 am
Operator : ELAINE:JIC
Sample : I8260STD200PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
82)	o Xylene	10.054	106	7460480	406.164	ug/L		87
83)	Styrene	10.126	104	12290879	402.758	ug/L		99
85)	Bromoform	10.149	173	1176528	246.267	ug/L		97
87)	Isopropylbenzene	10.451	105	9704106	195.958	ug/L		96
89)	Bromobenzene	10.891	156	2250385	201.929	ug/L		97
90)	n-Propylbenzene	10.944	91	11005751	185.856	ug/L		94
91)	1,4-Dichlorobutane	10.958	55	2524806	185.905	ug/L		99
92)	1,1,2,2-Tetrachloroethane	11.041	83	1440679	186.840	ug/L		100
93)	4-Ethyltoluene	11.076	105	9624865	191.776	ug/L		95
94)	2-Chlorotoluene	11.112	91	6654095M6	197.721	ug/L		
95)	1,3,5-Trimethylbenzene	11.178	105	8693565	203.780	ug/L		97
96)	1,2,3-Trichloropropane	11.173	75	1383931	209.966	ug/L		94
97)	trans-1,4-Dichloro-2-b...	11.231	53	510004	184.525	ug/L	#	73
98)	4-Chlorotoluene	11.301	91	6914423	192.603	ug/L		93
99)	tert-Butylbenzene	11.521	119	7399050	196.697	ug/L		95
102)	1,2,4-Trimethylbenzene	11.605	105	8549726	203.173	ug/L		95
103)	sec-Butylbenzene	11.715	105	10583506	192.833	ug/L		97
104)	p-Isopropyltoluene	11.874	119	9515620	195.594	ug/L		99
105)	1,3-Dichlorobenzene	11.936	146	5028228	204.936	ug/L		98
106)	1,4-Dichlorobenzene	12.033	146	4980685	210.416	ug/L		100
107)	p-Diethylbenzene	12.253	119	6015924	205.551	ug/L		99
108)	n-Butylbenzene	12.310	91	7992726	199.203	ug/L		96
109)	1,2-Dichlorobenzene	12.455	146	4663937	201.720	ug/L		100
110)	1,2,4,5-Tetramethylben...	13.050	119	9041981	210.122	ug/L		100
111)	1,2-Dibromo-3-chloropr...	13.240	155	282826	195.042	ug/L		97
112)	1,3,5-Trichlorobenzene	13.275	180	3384102	208.324	ug/L		99
113)	Hexachlorobutadiene	13.852	225	852799	174.306	ug/L		97
114)	1,2,4-Trichlorobenzene	13.874	180	2995124	203.184	ug/L		99
115)	Naphthalene	14.165	128	6859449	199.648	ug/L		100
116)	1,2,3-Trichlorobenzene	14.332	180	2559717	194.996	ug/L		99

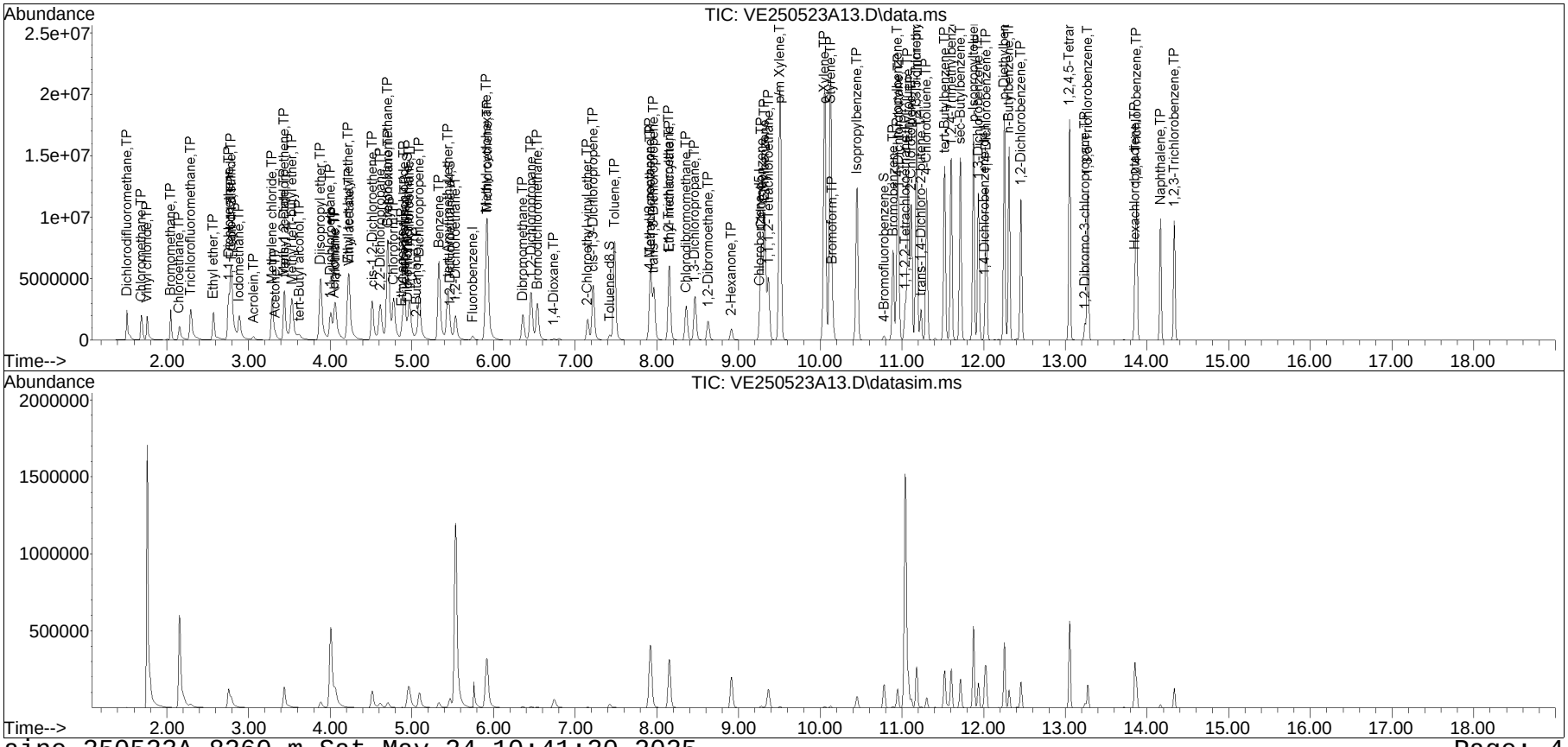
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A13.D
Acq On : 23 May 2025 5:49 am
Operator : ELAINE:JIC
Sample : I8260STD200PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•

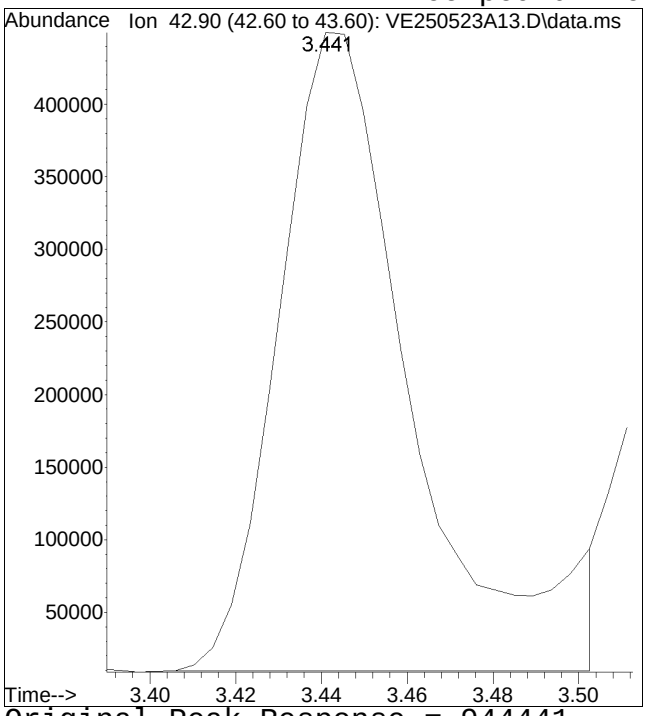


Manual Integration Report

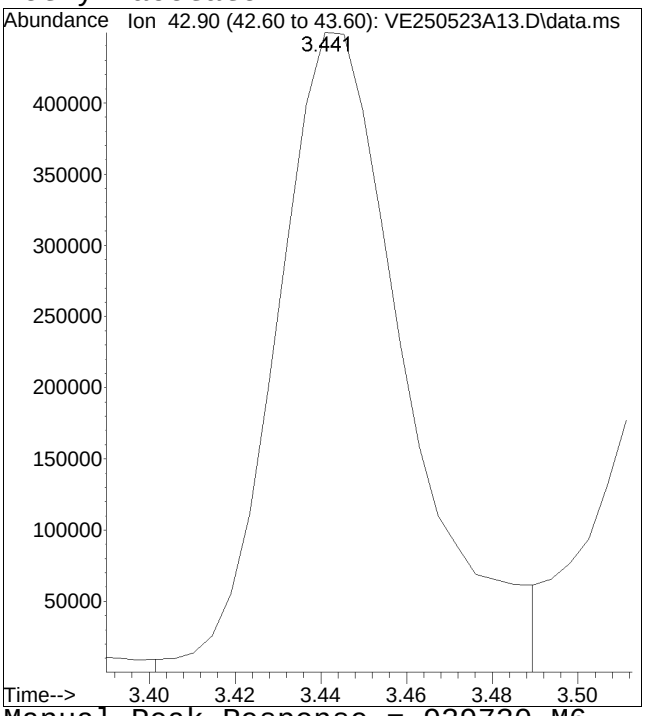
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A13.D
Date Inj'd : 5/23/2025 5:49 am
Sample : I8260STD200PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 944441



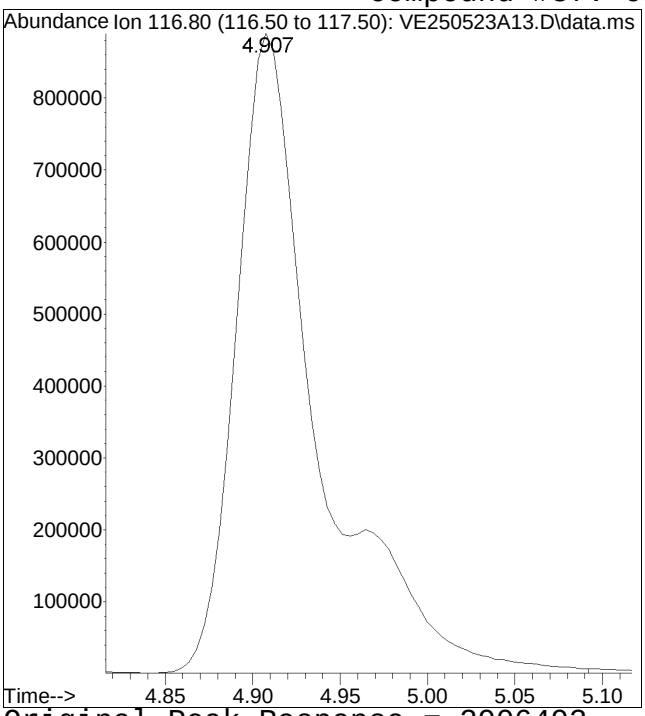
Manual Peak Response = 939730 M6

M6 = Misassignment of peak valley

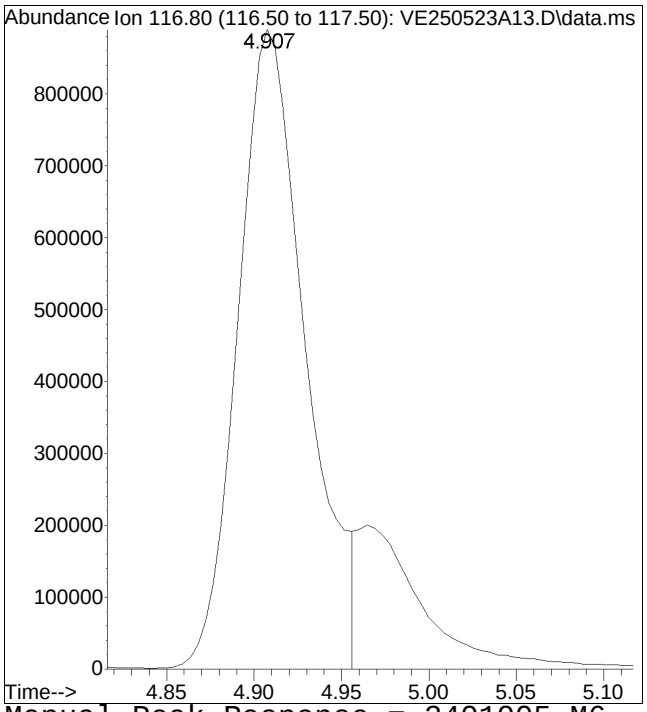
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 2906493



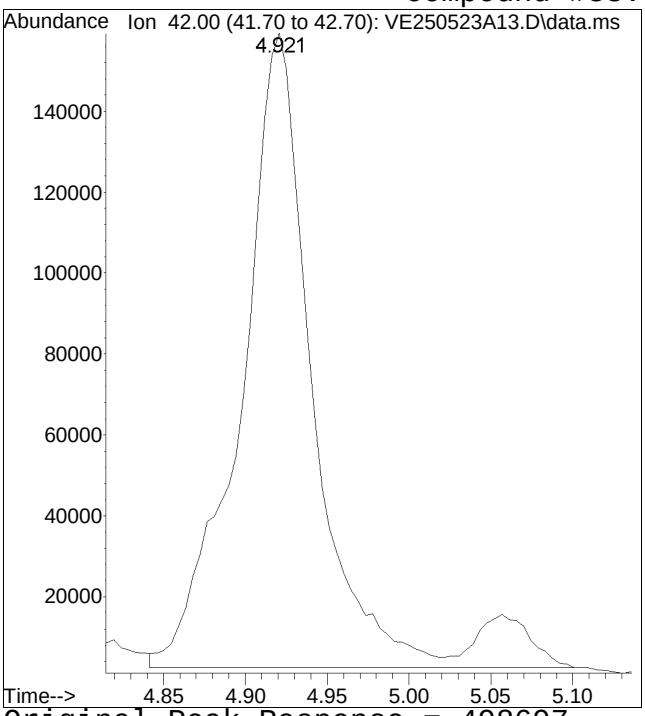
Manual Peak Response = 2401005 M6

M6 = Misassignment of peak valley

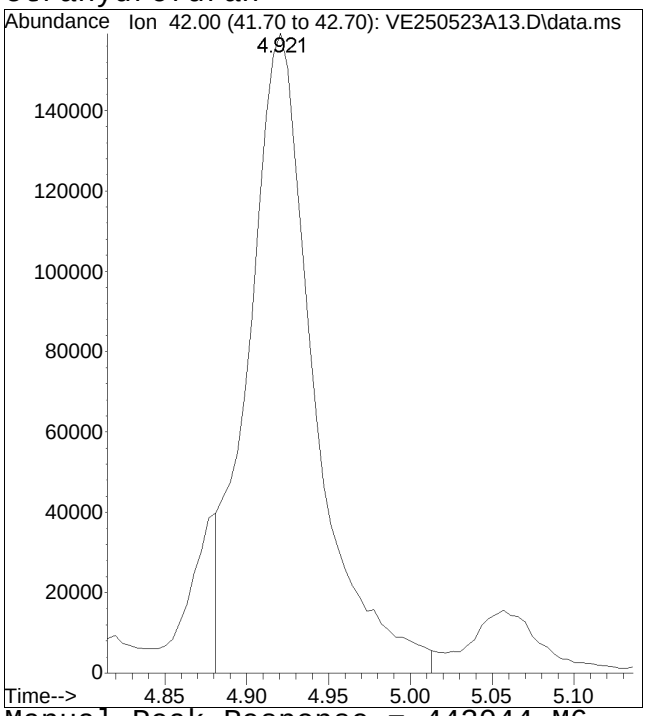
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 498697



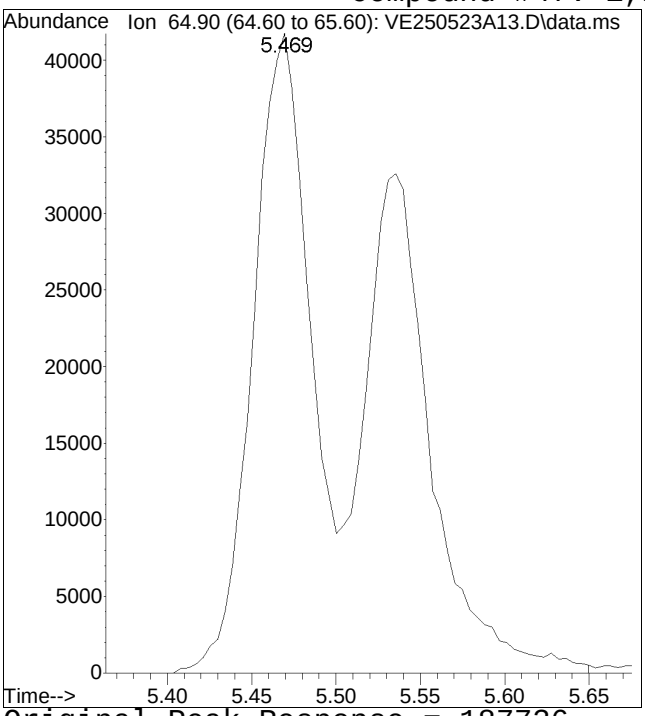
Manual Peak Response = 443044 M6

M6 = Misassignment of peak valley

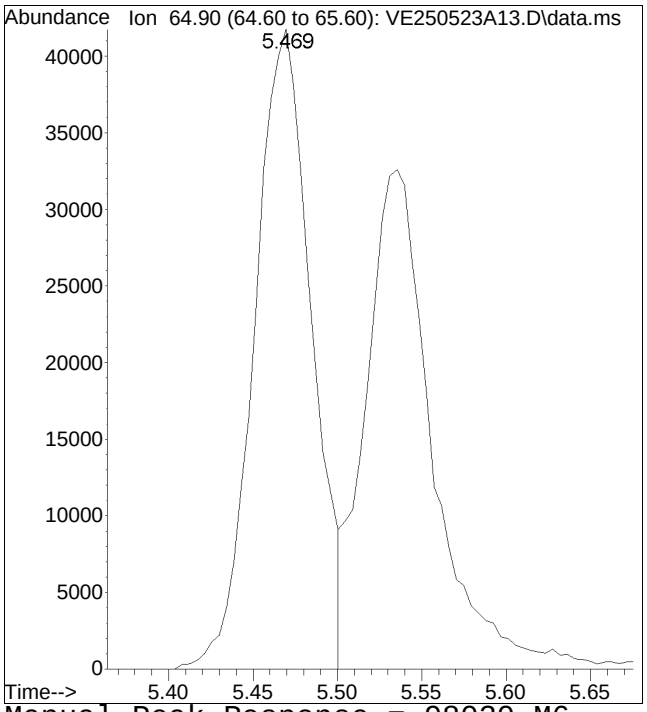
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 187736



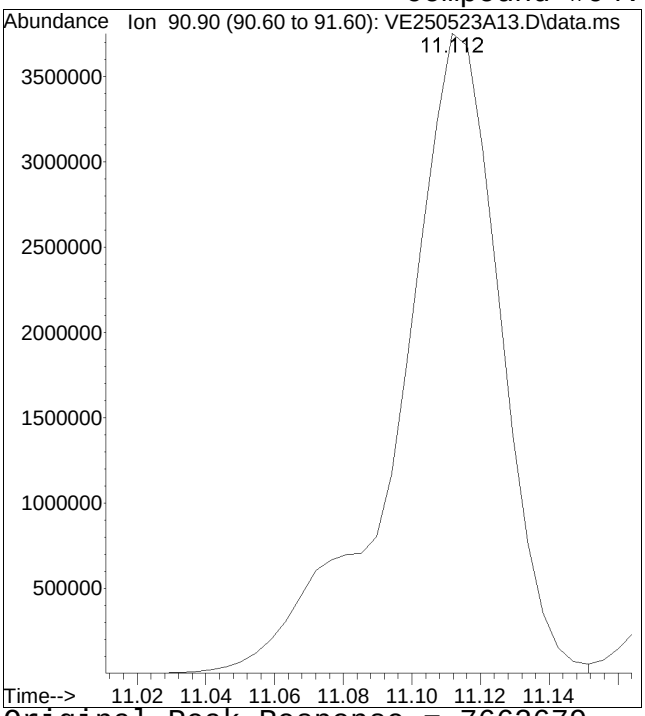
Manual Peak Response = 98030 M6

M6 = Misassignment of peak valley

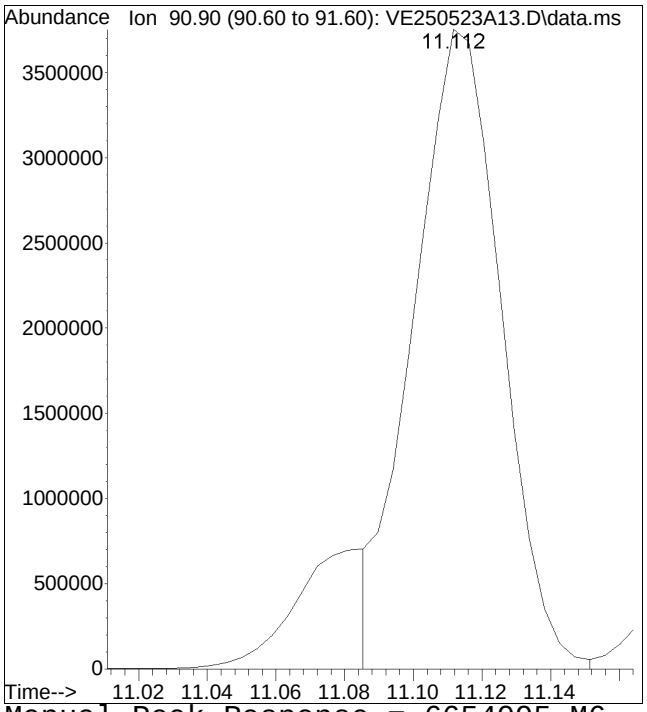
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 7662679



Manual Peak Response = 6654095 M6

M6 = Misassignment of peak valley

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	105	0.00
2	TP	Dichlorodifluoromethane	0.322	0.427	-32.6#	119	0.00
3	TP	Chloromethane	0.341	0.427	-25.2#	113	0.00
4	TP	Vinyl chloride	0.294	0.379	-28.9#	114	0.00
5	TP	Bromomethane	0.164	0.206	-25.6#	131	0.00
6	TP	Chloroethane	0.191	0.233	-22.0#	108	0.00
7	TP	Trichlorofluoromethane	0.383	0.471	-23.0#	112	0.00
8	TP	Ethyl ether	0.120	0.125	-4.2	100	0.00
10	TP	1,1-Dichloroethene	0.226	0.237	-4.9	97	0.00
11	TP	Carbon disulfide	0.713	0.688	3.5	90	0.00
12	TP	Freon-113	0.223	0.257	-15.2	105	0.00
13	TP	Iodomethane	0.353	0.360	-2.0	98	0.00
14	TP	Acrolein	0.035	0.031	11.4	88	0.00
15	TP	Methylene chloride	0.248	0.261	-5.2	97	0.00
17	TP	Acetone	0.055	0.055	0.0	107	0.00
18	TP	trans-1,2-Dichloroethene	0.231	0.261	-13.0	104	0.00
19	TP	Methyl acetate	0.133	0.131	1.5	95	0.00
21	TP	Methyl tert-butyl ether	0.527	0.472	10.4	94	0.00
22	TP	tert-Butyl alcohol	0.010	0.013	-30.0#	124	0.00
24	TP	Diisopropyl ether	0.825	0.790	4.2	96	0.00
25	TP	1,1-Dichloroethane	0.456	0.501	-9.9	100	0.00
26	TP	Halothane	0.171	0.190	-11.1	107	0.00
27	TP	Acrylonitrile	0.067	0.072	-7.5	102	0.00
28	TP	Ethyl tert-butyl ether	0.644	0.621	3.6	101	0.00
29	TP	Vinyl acetate	0.434	0.306	29.5#	76	0.00
30	TP	cis-1,2-Dichloroethene	0.267	0.288	-7.9	102	0.00
31	TP	2,2-Dichloropropane	0.354	0.360	-1.7	94	0.00
33	TP	Bromochloromethane	0.127	0.142	-11.8	105	0.00
34	TP	Cyclohexane	0.483	0.474	1.9	93	0.00
35	TP	Chloroform	0.425	0.458	-7.8	104	0.00
36	TP	Ethyl acetate	0.176	0.159	9.7	101	0.00
37	TP	Carbon tetrachloride	0.299	0.316	-5.7	100	0.00
38	TP	Tetrahydrofuran	0.063	0.058	7.9	97	0.00
39	S	Dibromofluoromethane	0.278	0.291	-4.7	104	0.00
40	TP	1,1,1-Trichloroethane	0.346	0.377	-9.0	104	0.00
42	TP	2-Butanone	0.080	0.070	12.5	96	0.00
43	TP	1,1-Dichloropropene	0.265	0.292	-10.2	111	0.00
45	TP	Benzene	0.909	0.910	-0.1	102	0.00
46	TP	tert-Amyl methyl ether	0.545	0.532	2.4	99	0.00

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	S	1,2-Dichloroethane-d4	0.276	0.294	-6.5	102	0.00
48	T	1,2-Dichloroethane	0.271	0.287	-5.9	101	0.00
51	TP	Methyl cyclohexane	0.410	0.403	1.7	98	0.00
52	TP	Trichloroethene	0.222	0.224	-0.9	105	0.00
54	TP	Dibromomethane	0.129	0.133	-3.1	104	0.00
55	TP	1,2-Dichloropropane	0.237	0.235	0.8	100	0.00
57	TP	2-Chloroethyl vinyl ether	0.107	0.102	4.7	94	0.00
58	TP	Bromodichloromethane	0.307	0.298#	2.9	100	0.00
61	TP	1,4-Dioxane	0.00113	0.00110#	2.7	88	0.00
62	TP	cis-1,3-Dichloropropene	0.341	0.336	1.5	102	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64	S	Toluene-d8	1.260	1.247	1.0	102	0.00
65	TP	Toluene	0.730	0.750	-2.7	103	0.00
66	TP	4-Methyl-2-pentanone	0.072	0.068	5.6	93	0.00
67	TP	Tetrachloroethene	0.305	0.315	-3.3	105	0.00
69	TP	trans-1,3-Dichloropropene	0.354	0.342	3.4	103	0.00
71	TP	Ethyl methacrylate	0.305	0.340	-11.5	115	0.00
72	TP	1,1,2-Trichloroethane	0.176	0.157#	10.8	100	0.00
73	TP	Chlorodibromomethane	0.274	0.252	8.0	104	0.00
74	TP	1,3-Dichloropropane	0.371	0.348	6.2	103	0.00
75	TP	1,2-Dibromoethane	0.211	0.202	4.3	106	0.00
77	TP	2-Hexanone	0.164	0.148	9.8	94	0.00
78	TP	Chlorobenzene	0.853	0.872	-2.2	106	0.00
79	TP	Ethylbenzene	1.493	1.493	0.0	103	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.281	0.261	7.1	101	0.00
81	TP	p/m Xylene	0.624	0.623	0.2	105	0.00
82	TP	o Xylene	0.617	0.622	-0.8	105	0.00
83	TP	Styrene	1.039	1.050	-1.1	107	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
85	TP	Bromoform	0.297	0.281	5.4	106	0.00
87	TP	Isopropylbenzene	2.756	2.847	-3.3	104	0.00
88	S	4-Bromofluorobenzene	0.806	0.838	-4.0	106	0.00
89	TP	Bromobenzene	0.630	0.658	-4.4	107	0.00
90	TP	n-Propylbenzene	3.248	3.373	-3.8	103	0.00
91	TP	1,4-Dichlorobutane	0.762	0.852	-11.8	114	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.437	0.415	5.0	98	0.00
93	TP	4-Ethyltoluene	2.768	3.111	-12.4	112	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.927	1.917	0.5	103	0.00
95 TP	1,3,5-Trimethylbenzene	2.427	2.423	0.2	103	0.00
96 TP	1,2,3-Trichloropropane	0.380	0.378	0.5	104	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.154	0.172	-11.7	112	0.00
98 TP	4-Chlorotoluene	2.002	2.024	-1.1	102	0.00
99 TP	tert-Butylbenzene	2.111	2.197	-4.1	106	0.00
102 TP	1,2,4-Trimethylbenzene	2.359	2.459	-4.2	106	0.00
103 TP	sec-Butylbenzene	3.030	3.143	-3.7	104	0.00
104 TP	p-Isopropyltoluene	2.689	2.818	-4.8	105	0.00
105 TP	1,3-Dichlorobenzene	1.393	1.429	-2.6	105	0.00
106 TP	1,4-Dichlorobenzene	1.374	1.396	-1.6	107	0.00
107 TP	p-Diethylbenzene	1.611	1.699	-5.5	105	0.00
108 TP	n-Butylbenzene	2.220	2.370	-6.8	107	0.00
109 TP	1,2-Dichlorobenzene	1.296	1.361	-5.0	107	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.509	2.761	-10.0	116	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.079	0.087	-10.1	109	0.00
112 TP	1,3,5-Trichlorobenzene	0.943	0.914	3.1	102	0.00
113 TP	Hexachlorobutadiene	0.267	0.282	-5.6	105	0.00
114 TP	1,2,4-Trichlorobenzene	0.847	0.854	-0.8	105	0.00
115 TP	Naphthalene	1.978	2.044	-3.3	108	0.00
116 TP	1,2,3-Trichlorobenzene	0.759	0.787	-3.7	109	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	290385M6	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery = 105.29%			
63) Chlorobenzene-d5	9.253	117	245650	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery = 105.74%			
84) 1,4-Dichlorobenzene-d4	12.010	152	135960	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery = 104.12%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	84439	10.443	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.43%			
47) 1,2-Dichloroethane-d4	5.460	65	85341	10.660	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.60%			
64) Toluene-d8	7.420	98	306336	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.95%			
88) 4-Bromofluorobenzene	10.777	95	113987	10.401	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.01%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	124131	13.260	ug/L	99
3) Chloromethane	1.693	50	123895	12.496	ug/L	97
4) Vinyl chloride	1.764	62	110073	12.893	ug/L	99
5) Bromomethane	2.053	94	59724	12.577	ug/L	99
6) Chloroethane	2.163	64	67581	12.203	ug/L	97
7) Trichlorofluoromethane	2.295	101	136775	12.308	ug/L	100
8) Ethyl ether	2.576	74	36371	10.403	ug/L	91
10) 1,1-Dichloroethene	2.760	96	68854	10.499	ug/L	91
11) Carbon disulfide	2.791	76	199858	9.659	ug/L	100
12) Freon-113	2.791	101	74562	11.530	ug/L	96
13) Iodomethane	2.892	142	104530	10.209	ug/L	98
14) Acrolein	3.059	56	8962	8.803	ug/L	86
15) Methylene chloride	3.296	84	75649	10.517	ug/L	98
17) Acetone	3.327	43	15876M6	9.878	ug/L	
18) trans-1,2-Dichloroethene	3.441	96	75706	11.297	ug/L	94
19) Methyl acetate	3.441	43	38059M6	9.878	ug/L	
21) Methyl tert-butyl ether	3.529	73	137040	8.960	ug/L #	92
22) tert-Butyl alcohol	3.625	59	18870	63.614	ug/L #	100
24) Diisopropyl ether	3.884	45	229397	9.574	ug/L	98
25) 1,1-Dichloroethane	4.003	63	145386	10.991	ug/L	98
26) Halothane	4.064	117	55202	11.104	ug/L	100

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Acrylonitrile	4.047	53	20974	10.746	ug/L		95
28) Ethyl tert-butyl ether	4.222	59	180278	9.635	ug/L		84
29) Vinyl acetate	4.236	43	88925	7.052	ug/L		98
30) cis-1,2-Dichloroethene	4.516	96	83762	10.792	ug/L		91
31) 2,2-Dichloropropane	4.613	77	104471	10.175	ug/L		93
33) Bromochloromethane	4.705	128	41173	11.128	ug/L		85
34) Cyclohexane	4.710	56	137674	9.818	ug/L		95
35) Chloroform	4.776	83	132953	10.767	ug/L		97
36) Ethyl acetate	4.885	43	46277	9.066	ug/L		99
37) Carbon tetrachloride	4.907	117	91772M6	10.558	ug/L		
38) Tetrahydrofuran	4.916	42	16746M6	9.224	ug/L		
40) 1,1,1-Trichloroethane	4.973	97	109469	10.893	ug/L		98
42) 2-Butanone	5.057	43	20342M6	8.775	ug/L		
43) 1,1-Dichloropropene	5.087	75	84800	11.037	ug/L		97
45) Benzene	5.329	78	264321	10.018	ug/L		98
46) tert-Amyl methyl ether	5.447	73	154448	9.756	ug/L		85
48) 1,2-Dichloroethane	5.531	62	83295	10.571	ug/L		98
51) Methyl cyclohexane	5.913	83	117111	9.835	ug/L		92
52) Trichloroethene	5.922	95	65051	10.078	ug/L		94
54) Dibromomethane	6.356	93	38562	10.259	ug/L		98
55) 1,2-Dichloropropane	6.456	63	68096	9.904	ug/L		98
57) 2-Chloroethyl vinyl ether	7.148	63	29513	9.468	ug/L		89
58) Bromodichloromethane	6.537	83	86409	9.707	ug/L		99
61) 1,4-Dioxane	6.741	88	16024	488.975	ug/L		93
62) cis-1,3-Dichloropropene	7.216	75	97431	9.830	ug/L		93
65) Toluene	7.479	92	184307	10.283	ug/L		99
66) 4-Methyl-2-pentanone	7.909	58	16595	9.325	ug/L		95
67) Tetrachloroethene	7.927	166	77274	10.319	ug/L		99
69) trans-1,3-Dichloropropene	7.963	75	84009	9.657	ug/L		94
71) Ethyl methacrylate	8.153	69	83641	11.174	ug/L	#	79
72) 1,1,2-Trichloroethane	8.148	83	38674	8.959	ug/L		93
73) Chlorodibromomethane	8.357	129	61831	9.179	ug/L		99
74) 1,3-Dichloropropane	8.465	76	85449	9.382	ug/L		96
75) 1,2-Dibromoethane	8.624	107	49522	9.550	ug/L		99
77) 2-Hexanone	8.913	43	36376	9.025	ug/L		94
78) Chlorobenzene	9.271	112	214245	10.223	ug/L		96
79) Ethylbenzene	9.316	91	366667	9.998	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.361	131	64170	9.298	ug/L		97
81) p/m Xylene	9.501	106	306058	19.968	ug/L		93
82) o Xylene	10.049	106	305616	20.148	ug/L		89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
83) Styrene	10.117	104	515629	20.202	ug/L		98
85) Bromoform	10.140	173	38172	9.451	ug/L		96
87) Isopropylbenzene	10.446	105	387075	10.330	ug/L		97
89) Bromobenzene	10.887	156	89503	10.452	ug/L		100
90) n-Propylbenzene	10.940	91	458661	10.387	ug/L		97
91) 1,4-Dichlorobutane	10.953	55	115839	11.188	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.036	83	56490	9.506	ug/L		99
93) 4-Ethyltoluene	11.067	105	422907	11.236	ug/L		98
94) 2-Chlorotoluene	11.107	91	260571M6	9.945	ug/L		
95) 1,3,5-Trimethylbenzene	11.169	105	329411	9.981	ug/L		97
96) 1,2,3-Trichloropropane	11.169	75	51414	9.958	ug/L		95
97) trans-1,4-Dichloro-2-b...	11.230	53	23328	11.157	ug/L	#	81
98) 4-Chlorotoluene	11.296	91	275192	10.108	ug/L		95
99) tert-Butylbenzene	11.517	119	298715	10.410	ug/L		94
102) 1,2,4-Trimethylbenzene	11.596	105	334265	10.424	ug/L		96
103) sec-Butylbenzene	11.711	105	427388	10.374	ug/L		100
104) p-Isopropyltoluene	11.869	119	383123	10.478	ug/L		97
105) 1,3-Dichlorobenzene	11.931	146	194219	10.258	ug/L		99
106) 1,4-Dichlorobenzene	12.023	146	189751	10.156	ug/L		99
107) p-Diethylbenzene	12.248	119	230940	10.546	ug/L		98
108) n-Butylbenzene	12.305	91	322196	10.673	ug/L		98
109) 1,2-Dichlorobenzene	12.451	146	185071	10.507	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.045	119	375374	11.002	ug/L		99
111) 1,2-Dibromo-3-chloropr...	13.235	155	11825	11.030	ug/L		97
112) 1,3,5-Trichlorobenzene	13.270	180	124314	9.693	ug/L		99
113) Hexachlorobutadiene	13.847	225	38404	10.581	ug/L		98
114) 1,2,4-Trichlorobenzene	13.869	180	116150	10.085	ug/L		99
115) Naphthalene	14.160	128	277848	10.331	ug/L		100
116) 1,2,3-Trichlorobenzene	14.332	180	106955	10.360	ug/L		98

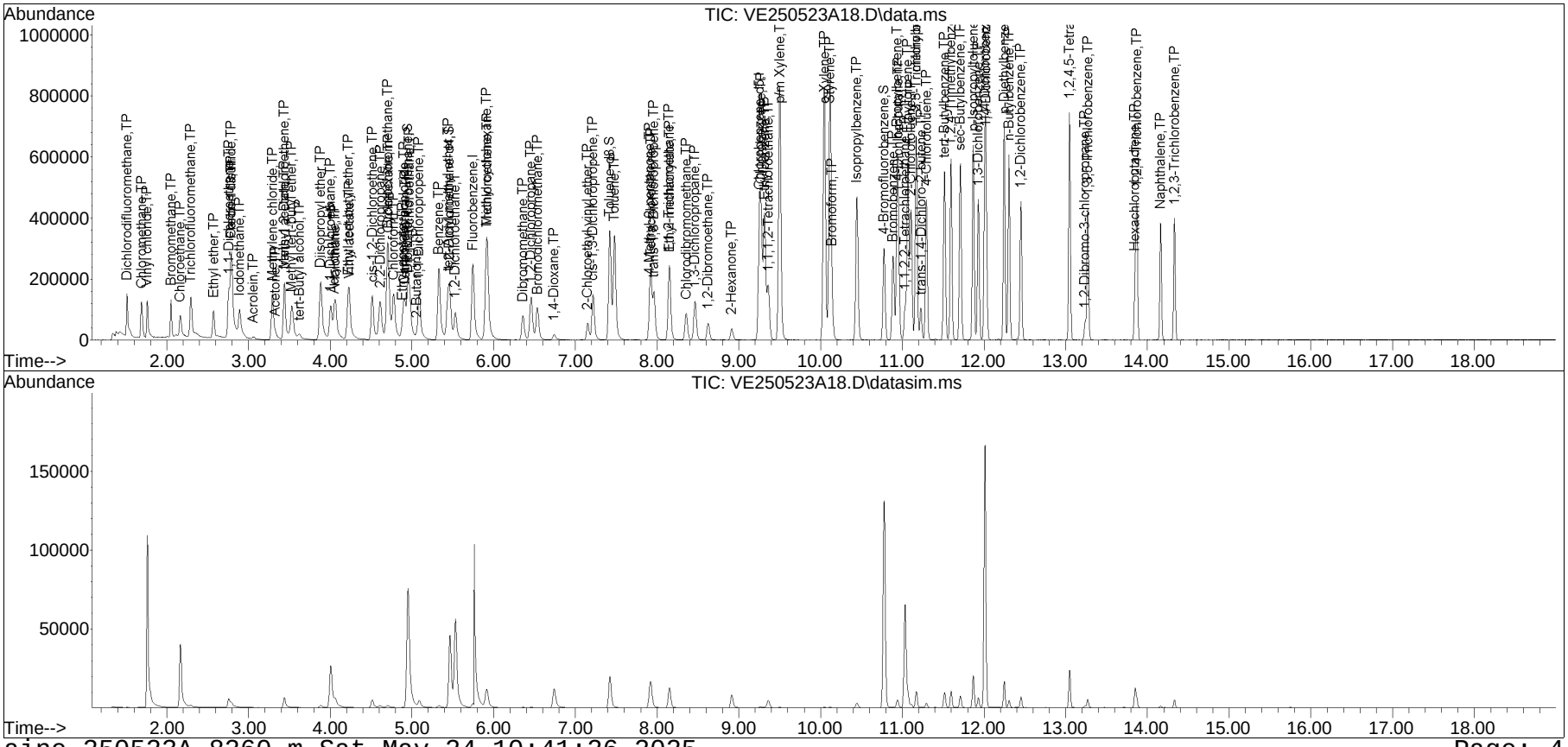
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A18.D
Acq On : 23 May 2025 7:50 am
Operator : ELAINE:JIC
Sample : C8260STD10PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\VE250523A09.D•

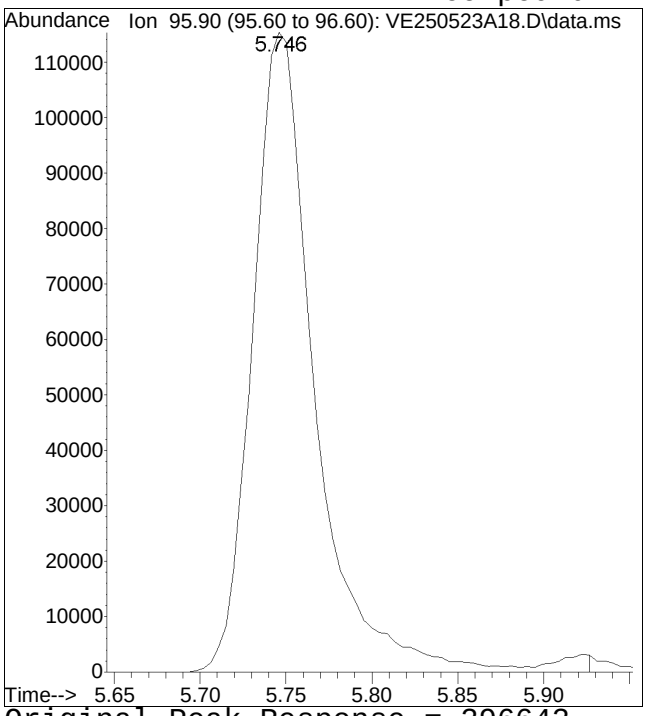


Manual Integration Report

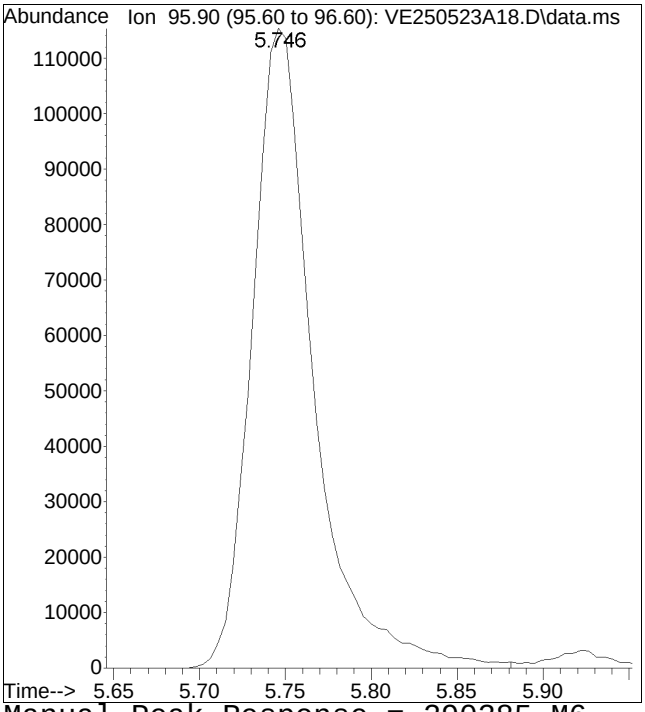
Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A18.D
Date Inj'd : 5/23/2025 7:50 am
Sample : C8260STD10PPB

Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 8:16 pm

Compound #1: Fluorobenzene



Original Peak Response = 296642



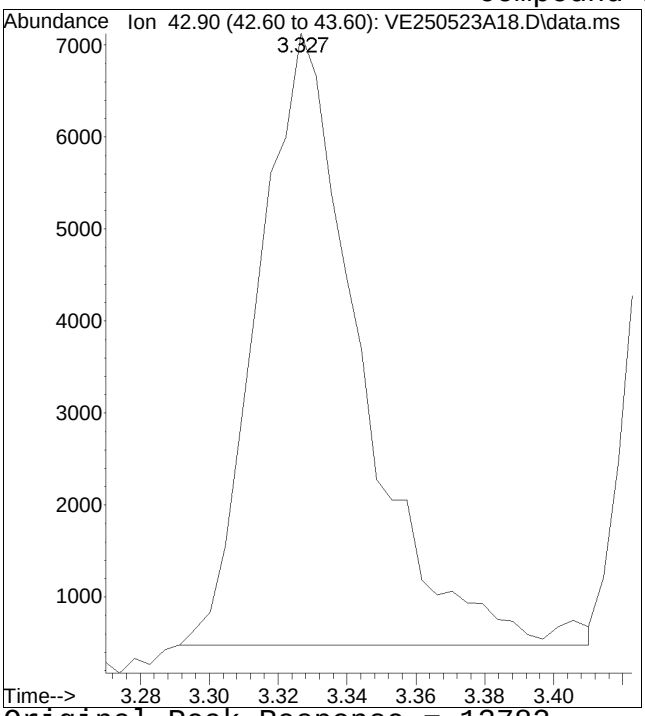
Manual Peak Response = 290385 M6

M6 = Misassignment of peak valley

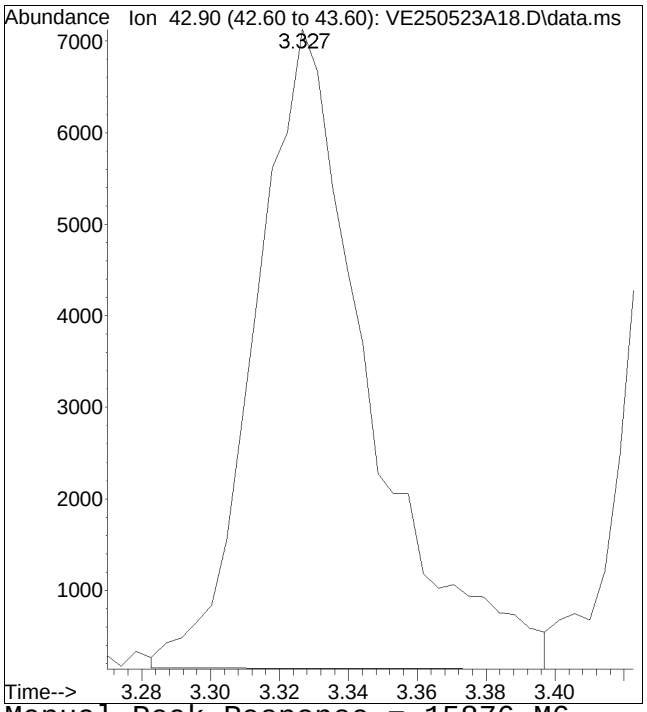
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #17: Acetone



Original Peak Response = 13782



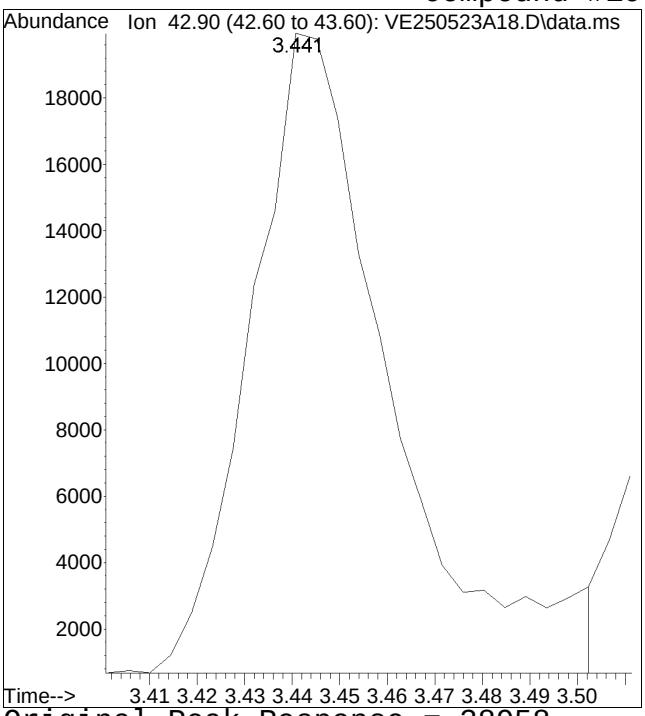
Manual Peak Response = 15876 M6

M6 = Misassignment of peak valley

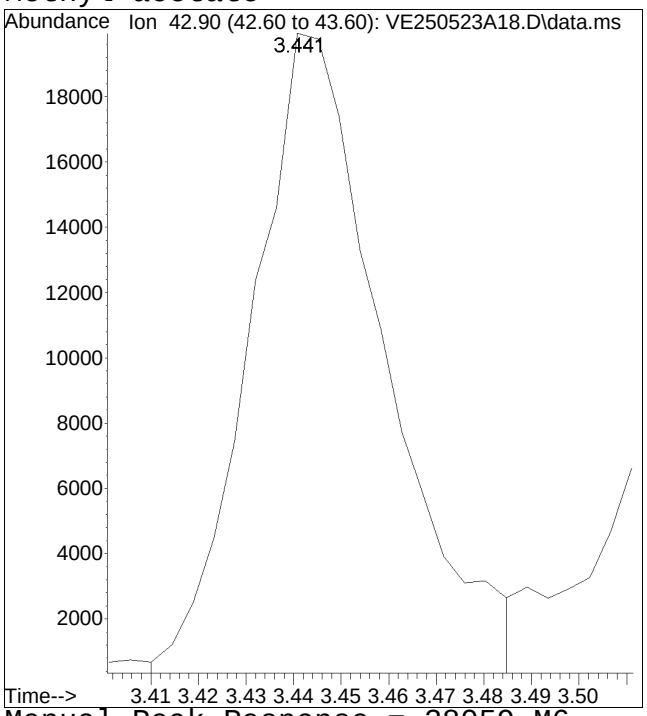
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #19: Methyl acetate



Original Peak Response = 38958



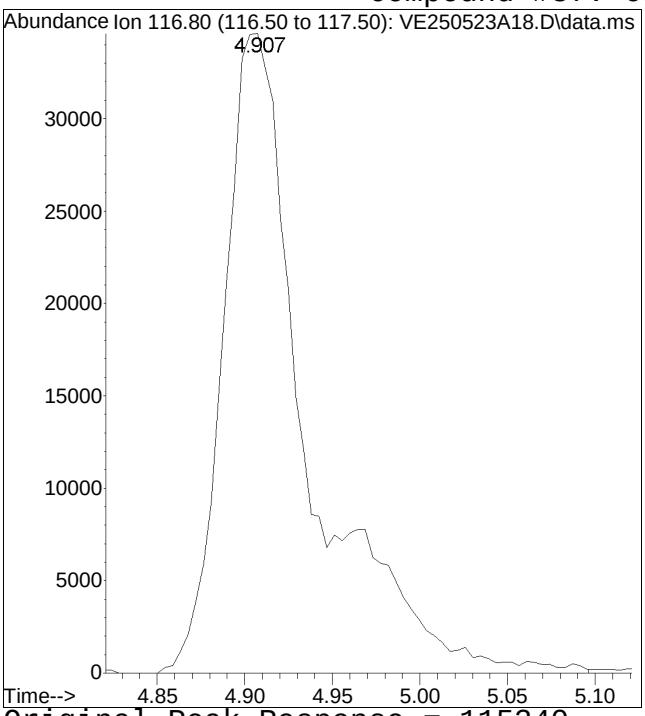
Manual Peak Response = 38059 M6

M6 = Misassignment of peak valley

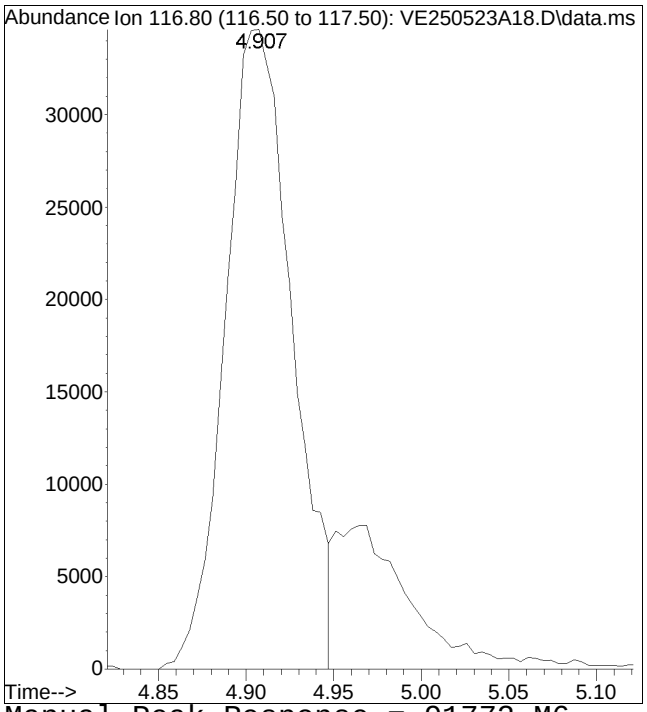
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 115340



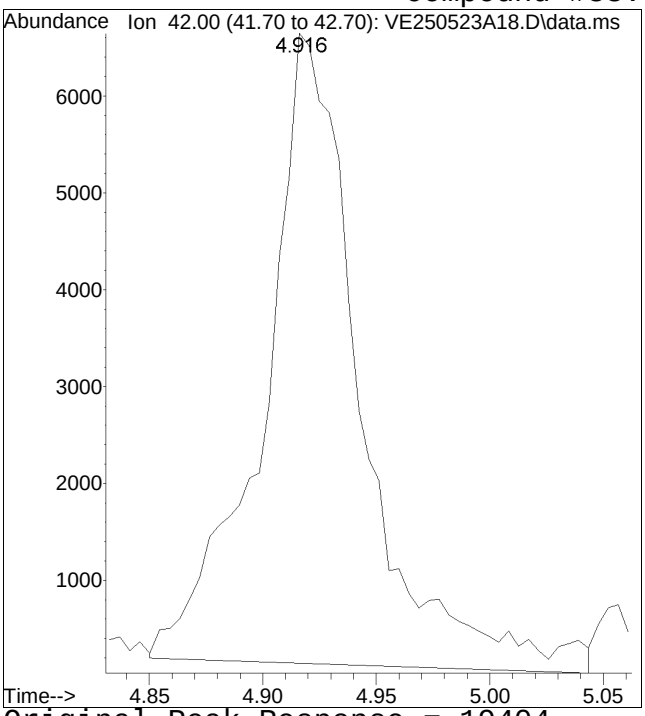
Manual Peak Response = 91772 M6

M6 = Misassignment of peak valley

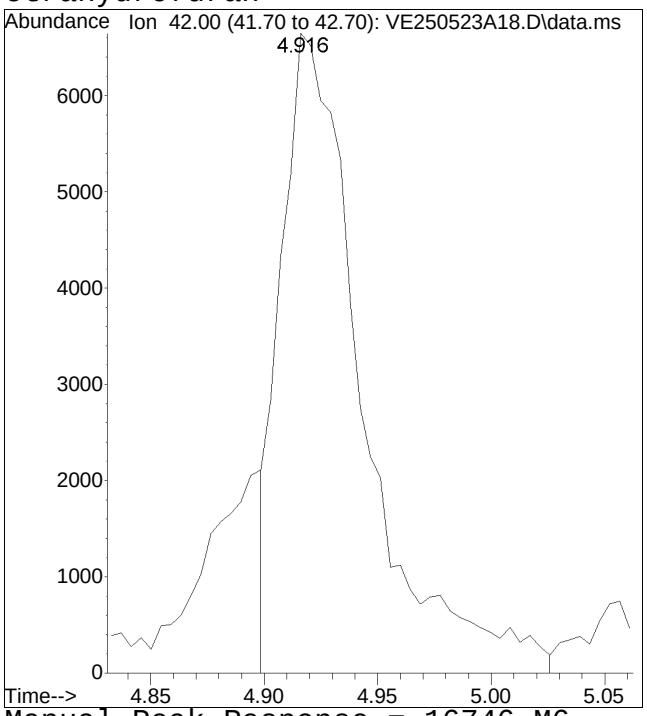
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 19404



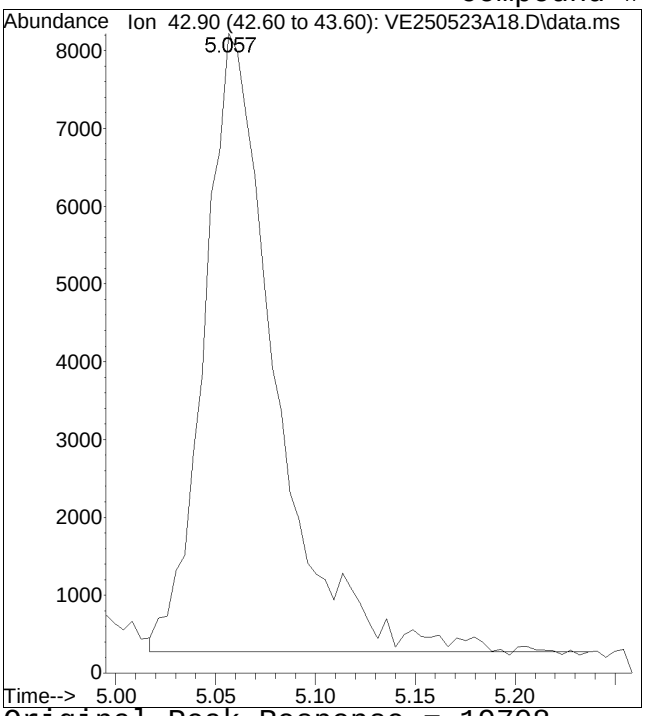
Manual Peak Response = 16746 M6

M6 = Misassignment of peak valley

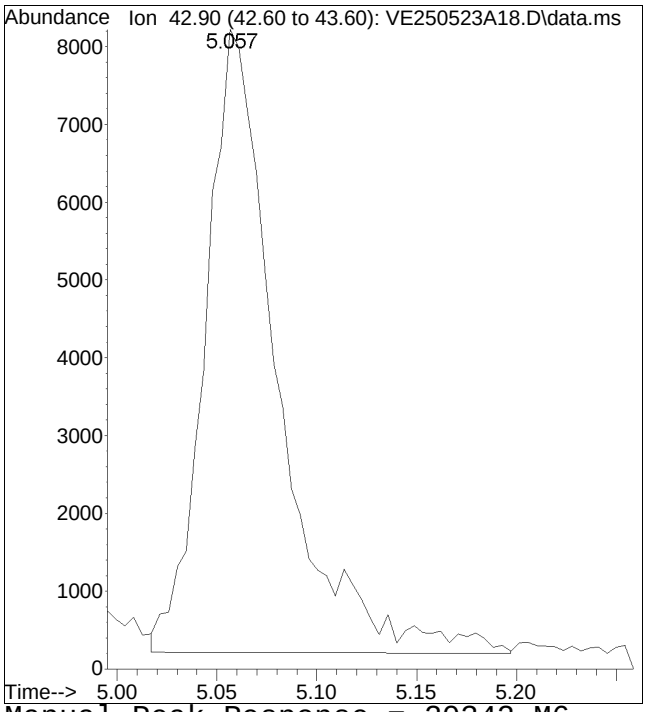
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #42: 2-Butanone



Original Peak Response = 19708



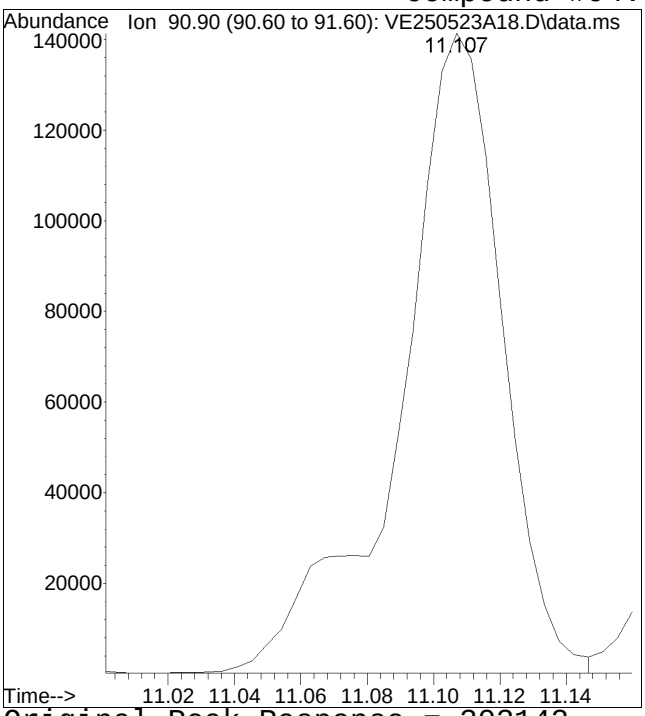
Manual Peak Response = 20342 M6

M6 = Misassignment of peak valley

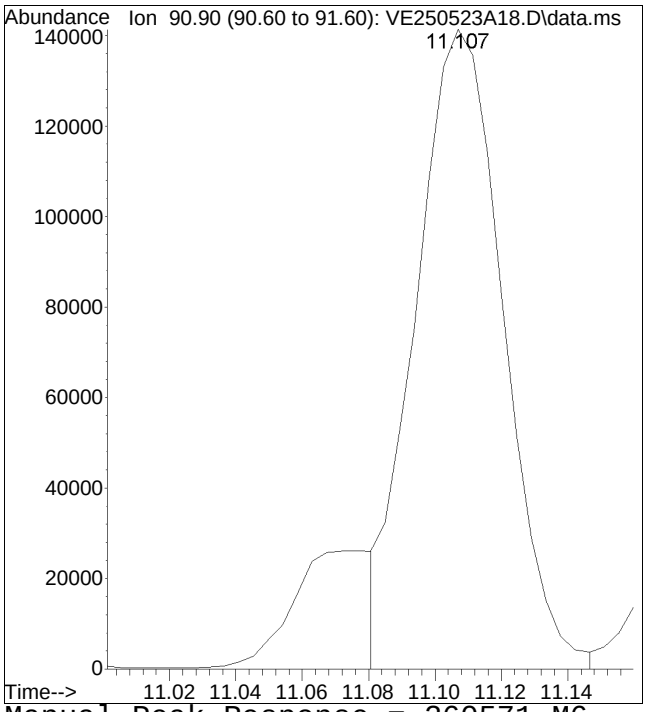
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 303142



Manual Peak Response = 260571 M6

M6 = Misassignment of peak valley

Response Factor Report VOA 101

Method Path : K:\VOA101\2025\250605AICAL\
Method File : V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 07:29:01 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D
L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------									
2)	TP	Dichlorodifluo...		0.226	0.175	0.274	0.300	0.319	0.310	0.307	0.273	19.66
3)	TP	Chloromethane		0.338	0.316	0.325	0.319	0.326	0.331	0.330	0.326	2.24
4)	TP	Vinyl chloride	0.289	0.313	0.285	0.341	0.351	0.367	0.366	0.368	0.335	10.35
5)	TP	Bromomethane		0.281	0.219	0.198	0.201	0.224	0.244	0.254	0.232	12.85
6)	TP	Chloroethane		0.286	0.247	0.255	0.252	0.256	0.256	0.247	0.257	5.26
7)	TP	Trichlorofluor...		0.407	0.328	0.478	0.523	0.559	0.542	0.539	0.482	17.68
8)	TP	Ethyl ether		0.177	0.156	0.163	0.159	0.157	0.160	0.158	0.161	4.50
10)	TP	1,1-Dichloroet...		0.337	0.246	0.280	0.292	0.305	0.303	0.303	0.295	9.38
11)	TP	Carbon disulfide		0.846	0.771	0.880	0.878	0.884	0.926	0.923	0.873	6.05
12)	TP	Freon-113			0.168	0.281	0.302	0.309	0.306	0.301	0.278	19.59
13)	TP	Iodomethane		0.326	0.276	0.347	0.384	0.400	0.394	0.385	0.359	12.66
14)	TP	Acrolein			0.025	0.026	0.026	0.025	0.026	0.025	0.025	2.37
15)	TP	Methylene chlo...		0.294	0.258	0.268	0.259	0.260	0.266	0.266	0.267	4.59
17)	TP	Acetone			0.052	0.045	0.041	0.037	0.038	0.038	0.042	13.60
18)	TP	trans-1,2-Dich...		0.264	0.250	0.264	0.269	0.278	0.282	0.282	0.270	4.36
19)	TP	Methyl acetate			0.111	0.109	0.110	0.108	0.106	0.093	0.106	6.31
20)	TP	Methyl tert-bu...		0.610	0.566	0.623	0.632	0.620	0.632	0.625	0.615	3.73
21)	TP	tert-Butyl alc...		0.014	0.013	0.014	0.015	0.014	0.014	0.014	0.014	4.94
22)	TP	Diisopropyl ether		0.807	0.761	0.821	0.818	0.832	0.851	0.850	0.820	3.73
23)	TP	1,1-Dichloroet...		0.469	0.455	0.482	0.485	0.498	0.503	0.492	0.484	3.49
24)	TP	Halothane		0.186	0.164	0.199	0.206	0.218	0.217	0.219	0.201	10.09
25)	TP	Acrylonitrile		0.039	0.046	0.053	0.055	0.055	0.056	0.056	0.051	12.45
26)	TP	Ethyl tert-but...		0.716	0.688	0.746	0.744	0.749	0.767	0.767	0.740	3.86
27)	TP	Vinyl acetate		0.204	0.383	0.391	0.337	0.303	0.326	0.313	0.322	19.16
28)	TP	cis-1,2-Dichlo...		0.290	0.277	0.301	0.294	0.295	0.300	0.302	0.294	2.92
29)	TP	2,2-Dichloropr...		0.385	0.341	0.363	0.370	0.377	0.370	0.363	0.367	3.74
30)	TP	Bromochloromet...		0.129	0.130	0.138	0.136	0.131	0.132	0.130	0.132	2.58
31)	TP	Cyclohexane			0.278	0.435	0.482	0.513	0.500	0.509	0.453	19.90
32)	TP	Chloroform		0.468	0.423	0.458	0.451	0.458	0.465	0.465	0.455	3.41
33)	TP	Ethyl acetate		0.223	0.158	0.158	0.159	0.156	0.158	0.156	0.167	14.84

Response Factor Report VOA 101

Method Path : K:\VOA101\2025\250605AICAL\
Method File : V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 07:29:01 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D
L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

		Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
34)	TP	Carbon tetrach...	0.283	0.327	0.294	0.375	0.395	0.416	0.411	0.416	0.365	15.21
35)	TP	Tetrahydrofuran		0.049	0.054	0.049	0.050	0.048	0.047	0.046	0.049	5.89
36)	S	Dibromofluorom...	0.264	0.269	0.263	0.268	0.267	0.273	0.276	0.279	0.270	2.12
37)	TP	1,1,1-Trichlor...		0.384	0.351	0.402	0.412	0.427	0.423	0.427	0.404	6.94
39)	TP	2-Butanone			0.042	0.057	0.063	0.059	0.060	0.061	0.057	13.13
40)	TP	1,1-Dichloropr...		0.292	0.269	0.333	0.347	0.364	0.360	0.359	0.332	11.21
41)	TP	Benzene	0.928	0.979	0.945	1.018	1.009	1.031	1.043	1.049	1.000	4.50
42)	TP	tert-Amyl meth...		0.627	0.572	0.640	0.648	0.640	0.652	0.651	0.633	4.45
43)	S	1,2-Dichloroet...	0.267	0.265	0.268	0.263	0.267	0.270	0.282	0.285	0.271	2.98
44)	TP	1,2-Dichloroet...	0.283	0.273	0.285	0.310	0.303	0.301	0.307	0.305	0.296	4.67
47)	TP	Methyl cyclohe...			0.260	0.426	0.471	0.499	0.489	0.501 *L		0.9998
48)	TP	Trichloroethene	0.287	0.295	0.253	0.282	0.280	0.295	0.299	0.308	0.287	5.76
50)	TP	Dibromomethane		0.129	0.129	0.142	0.143	0.143	0.146	0.146	0.140	5.38
51)	TP	1,2-Dichloropr...		0.266	0.247	0.269	0.269	0.272	0.276	0.276	0.268	3.72
53)	TP	2-Chloroethyl ...			0.011	0.018	0.020	0.019	0.020	0.021	0.018	19.91
54)	TP	Bromodichlorom...		0.339	0.329	0.355	0.353	0.351	0.361	0.361	0.350	3.36
57)	TP	1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	8.92
58)	TP	cis-1,3-Dichlo...	0.357	0.387	0.380	0.409	0.416	0.417	0.425	0.425	0.402	6.14
59)	I	Chlorobenzene-d5	----------ISTD----------									
60)	S	Toluene-d8	1.248	1.277	1.277	1.270	1.262	1.224	1.233	1.191	1.248	2.43
61)	TP	Toluene		0.777	0.781	0.851	0.841	0.838	0.841	0.840	0.824	3.78
62)	TP	4-Methyl-2-pen...		0.051	0.064	0.076	0.079	0.075	0.076	0.074	0.070	14.17
63)	TP	Tetrachloroethene	0.299	0.338	0.330	0.384	0.395	0.403	0.393	0.398	0.367	10.70
65)	TP	trans-1,3-Dich...	0.322	0.385	0.380	0.423	0.435	0.422	0.422	0.418	0.401	9.30
67)	TP	Ethyl methacry...		0.234	0.243	0.314	0.320	0.312	0.318	0.313	0.293	12.85
68)	TP	1,1,2-Trichlor...		0.213	0.198	0.206	0.205	0.199	0.201	0.198	0.203	2.74
69)	TP	Chlorodibromom...		0.298	0.299	0.335	0.341	0.333	0.334	0.328	0.324	5.48
70)	TP	1,3-Dichloropr...		0.374	0.384	0.423	0.428	0.408	0.409	0.397	0.403	4.88
71)	TP	1,2-Dibromoethane		0.223	0.225	0.246	0.253	0.242	0.243	0.235	0.238	4.68
72)	TP	2-Hexanone			0.098	0.120	0.127	0.122	0.122	0.119	0.118	8.70
73)	TP	Chlorobenzene		0.910	0.891	0.986	0.971	0.969	0.970	0.966	0.952	3.79

Response Factor Report VOA 101

Method Path : K:\VOA101\2025\250605AICAL\
Method File : V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 07:29:01 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D
L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

		Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
74)	TP	Ethylbenzene		1.447	1.461	1.615	1.632	1.655	1.654	1.665	1.590	5.94	
75)	TP	1,1,1,2-Tetrac...		0.326	0.331	0.362	0.359	0.353	0.356	0.356	0.349	4.12	
76)	TP	p/m Xylene		0.543	0.592	0.654	0.661	0.675	0.676	0.687	0.641	8.33	
77)	TP	o Xylene		0.573	0.573	0.639	0.639	0.655	0.662	0.661	0.629	6.27	
78)	TP	Styrene		0.814	0.863	1.010	1.062	1.081	1.102	1.102	1.005	11.82	
79)	I	1,4-Dichlorobenzene-d4	----------ISTD----------										
80)	TP	Bromoform		0.326	0.317	0.360	0.377	0.369	0.376	0.372	0.357	6.91	
82)	TP	Isopropylbenzene		2.635	2.574	2.888	2.970	3.005	2.966	2.987	2.861	6.28	
83)	S	4-Bromofluorob...	0.897	0.888	0.882	0.862	0.873	0.846	0.848	0.828	0.865	2.72	
84)	TP	Bromobenzene		0.679	0.666	0.723	0.715	0.701	0.705	0.699	0.698	2.83	
85)	TP	n-Propylbenzene		2.958	2.883	3.249	3.387	3.446	3.421	3.454	3.257	7.40	
86)	TP	1,4-Dichlorobu...		0.834	0.699	0.744	0.748	0.726	0.732	0.724	0.744	5.73	
87)	TP	1,1,2,2-Tetrac...	0.561	0.534	0.468	0.508	0.509	0.482	0.485	0.468	0.502	6.53	
88)	TP	4-Ethyltoluene		2.470	2.453	2.781	2.859	2.874	2.866	2.878	2.740	7.05	
89)	TP	2-Chlorotoluene		1.812	1.848	1.950	1.992	1.965	1.988	1.990	1.935	3.82	
90)	TP	1,3,5-Trimethy...		2.135	2.138	2.334	2.404	2.431	2.438	2.491	2.339	6.23	
91)	TP	1,2,3-Trichlor...		0.389	0.354	0.393	0.395	0.385	0.390	0.393	0.386	3.71	
92)	TP	trans-1,4-Dich...		0.084	0.109	0.123	0.126	0.122	0.123	0.122	0.115	13.09	
93)	TP	4-Chlorotoluene		1.902	1.819	1.952	1.988	1.992	2.012	2.036	1.957	3.83	
94)	TP	tert-Butylbenzene		1.824	1.763	1.970	2.050	2.081	2.056	2.100	1.978	6.74	
97)	TP	1,2,4-Trimethy...		2.068	2.072	2.257	2.319	2.332	2.353	2.386	2.255	5.87	
98)	TP	sec-Butylbenzene		2.565	2.265	2.778	2.957	3.013	2.997	3.042	2.802	10.39	
99)	TP	p-Isopropyltol...		2.087	2.046	2.386	2.517	2.561	2.571	2.609	2.397	9.87	
100)	TP	1,3-Dichlorobe...		1.176	1.187	1.303	1.324	1.315	1.338	1.350	1.285	5.61	
101)	TP	1,4-Dichlorobe...		1.335	1.275	1.318	1.327	1.317	1.335	1.343	1.321	1.69	
102)	TP	p-Diethylbenzene		1.177	1.159	1.363	1.433	1.455	1.473	1.504	1.366	10.41	
103)	TP	n-Butylbenzene		1.662	1.564	1.849	2.005	2.051	2.062	2.104	1.900	11.26	
104)	TP	1,2-Dichlorobe...		1.083	1.055	1.157	1.173	1.154	1.171	1.180	1.139	4.33	
105)	TP	1,2,4,5-Tetram...		1.750	1.720	1.910	1.975	2.005	2.067	2.057	1.926	7.32	
106)	TP	1,2-Dibromo-3-...		0.059	0.063	0.073	0.078	0.074	0.074	0.072	0.070	9.36	
107)	TP	1,3,5-Trichlor...		0.685	0.713	0.754	0.779	0.770	0.783	0.776	0.751	5.03	

Method Path : K:\VOA101\2025\250605AICAL\
Method File : V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 07:29:01 2025
Response Via : Initial Calibration

Calibration Files
L11 =V01250605A03.D L1 =V01250605A04.D L2 =V01250605A06.D L3 =V01250605A08.D L4 =V01250605A09.D
L6 =V01250605A10.D L8 =V01250605A11.D L10 =V01250605A12.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
108)	TP Hexachlorobuta...	0.255	0.242	0.276	0.289	0.296	0.299	0.303	0.280		8.39
109)	TP 1,2,4-Trichlor...	0.578	0.566	0.621	0.645	0.625	0.644	0.636	0.616		5.16
110)	TP Naphthalene	0.994	1.031	1.152	1.210	1.131	1.156	1.124	1.114		6.77
111)	TP 1,2,3-Trichlor...	0.446	0.431	0.476	0.496	0.476	0.492	0.482	0.471		5.10

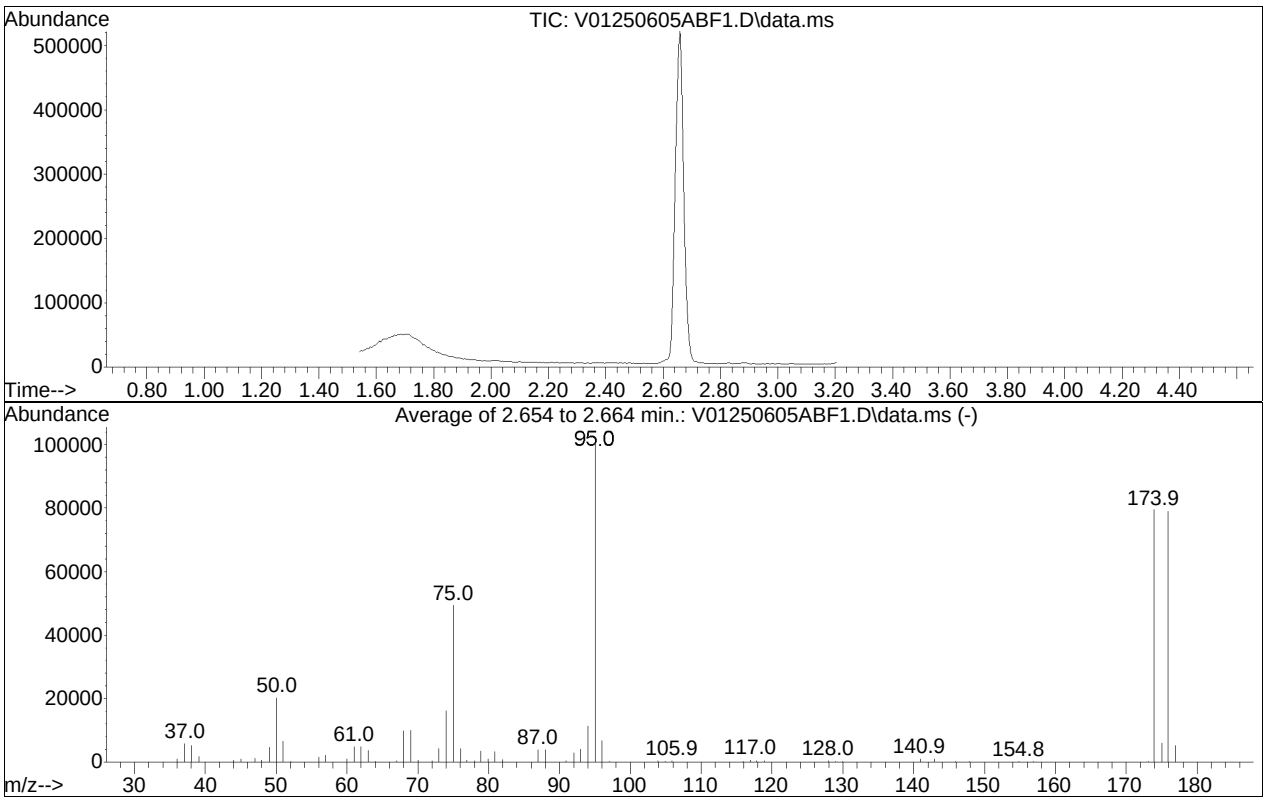
(#) = Out of Range

BFB

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605ABF1.D
Acq On : 5 Jun 2025 12:46 pm
Operator : VOA101:PID
Sample : WG2075731-1
Misc : WG2075731
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 07:29:01 2025



AutoFind: Scans 213, 214, 215; Background Corrected with Scan 203

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	20272	PASS
75	95	30	60	49.1	49421	PASS
95	95	100	100	100.0	100613	PASS
96	95	5	9	6.7	6784	PASS
173	174	0.00	2	0.4	298	PASS
174	95	50	100	79.1	79619	PASS
175	174	5	9	7.5	5999	PASS
176	174	95	101	99.2	78963	PASS
177	176	5	9	6.7	5299	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A03.D
Acq On : 5 Jun 2025 1:54 pm
Operator : VOA101:PID
Sample : I8260STD0.19PPB
Misc : WG2075731,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 07:23:58 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.826	96	316124	10.000 ug/L	0.00
Standard Area 1 = 310005			Recovery = 101.97%		
59) Chlorobenzene-d5	9.339	117	250859	10.000 ug/L	0.00
Standard Area 1 = 243650			Recovery = 102.96%		
79) 1,4-Dichlorobenzene-d4	12.078	152	132268	10.000 ug/L	0.00
Standard Area 1 = 136217			Recovery = 97.10%		
System Monitoring Compounds					
36) Dibromofluoromethane	5.031	113	83403	9.779 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.79%		
43) 1,2-Dichloroethane-d4	5.550	65	84266	9.838 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.38%		
60) Toluene-d8	7.502	98	313073	10.003 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.03%		
83) 4-Bromofluorobenzene	10.854	95	118635	10.363 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.63%		
Target Compounds					Qvalue
4) Vinyl chloride	1.835	62	1736	0.164 ug/L	96
34) Carbon tetrachloride	4.989	117	1697M1	0.147 ug/L	
41) Benzene	5.421	78	5576	0.176 ug/L #	81
44) 1,2-Dichloroethane	5.617	62	1697M1	0.181 ug/L	
48) Trichloroethene	6.015	95	1721M3	0.189 ug/L	
58) cis-1,3-Dichloropropene	7.320	75	2145	0.169 ug/L #	35
63) Tetrachloroethene	8.020	166	1424M3	0.154 ug/L	
65) trans-1,3-Dichloropropene	8.057	75	1537M1	0.153 ug/L	
87) 1,1,2,2-Tetrachloroethane	11.102	83	1409M1	0.212 ug/L	

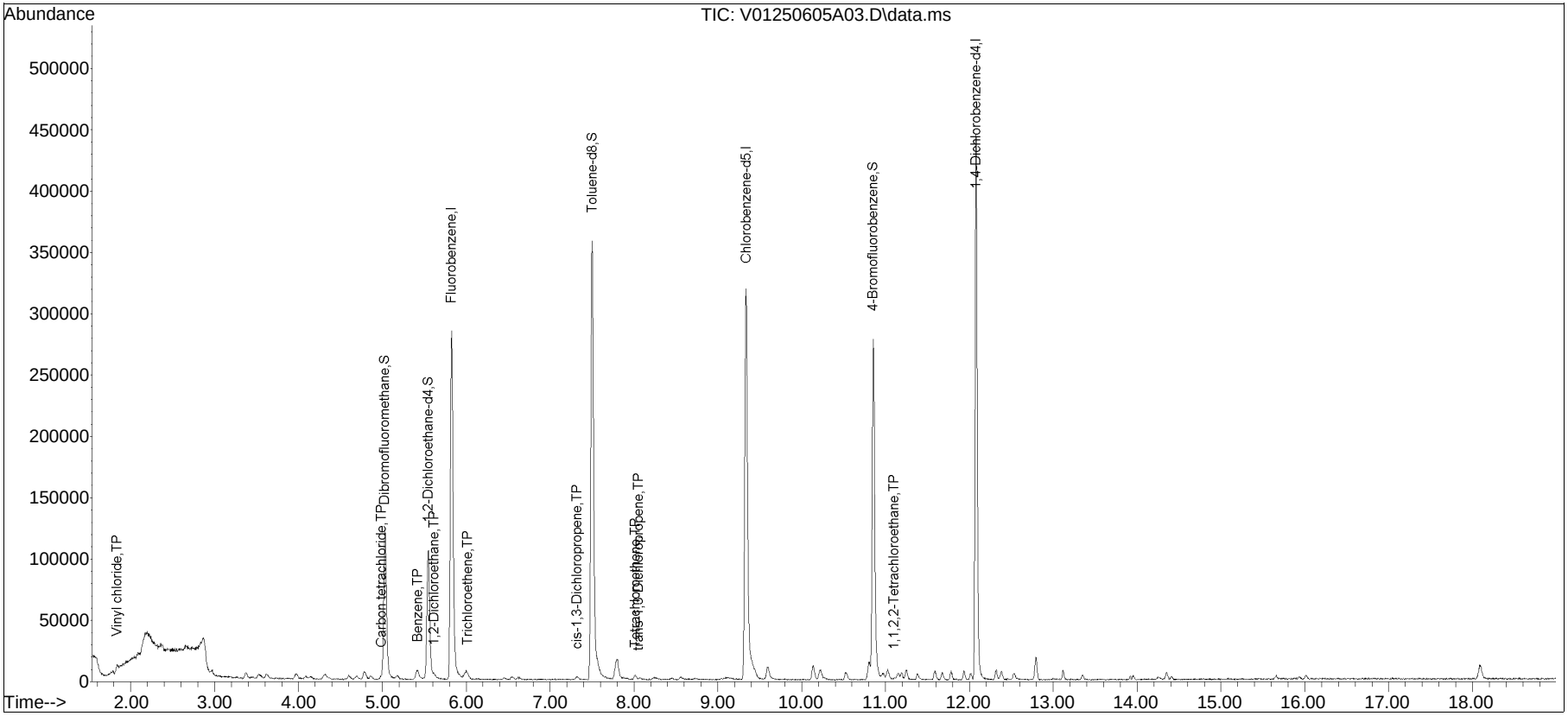
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A03.D
Acq On : 5 Jun 2025 1:54 pm
Operator : VOA101:PID
Sample : I8260STD0.19PPB
Misc : WG2075731,ICAL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 07:23:58 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

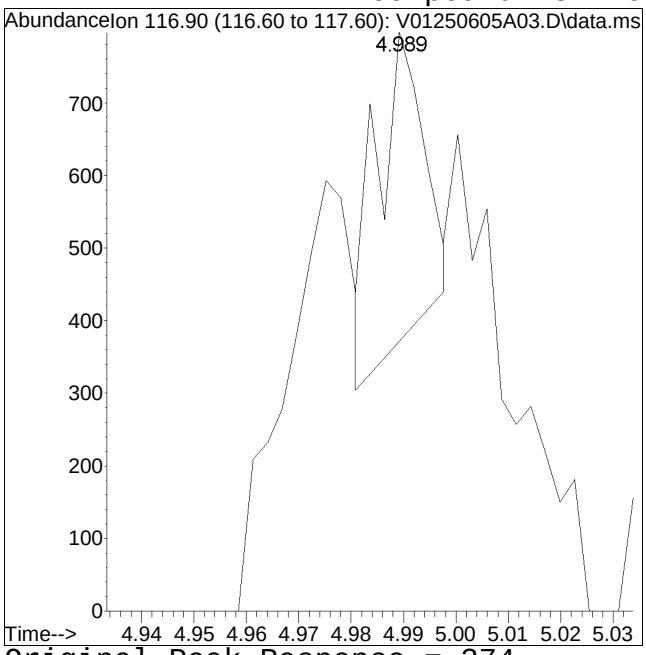
Sub List : 8260-L11_NJnew - L11 new NJCAL\V01250605A08.D•



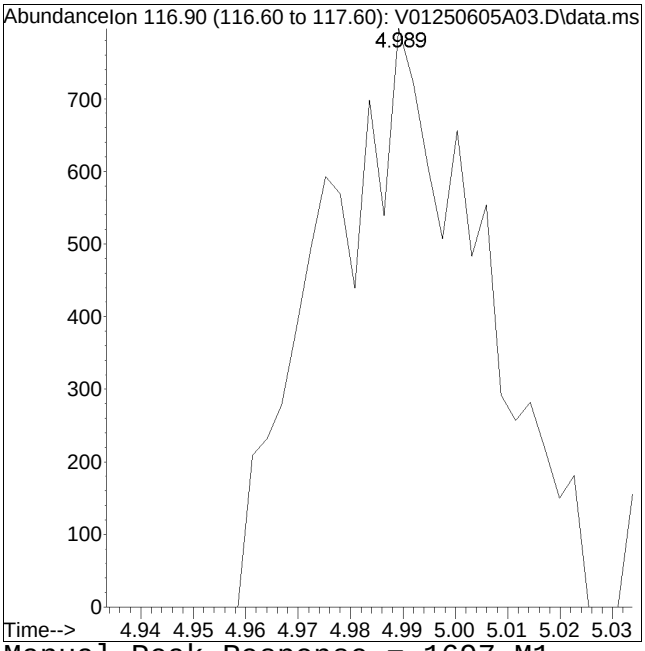
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A03.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 1:54 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 6/6/2025 7:23 am

Compound #34: Carbon tetrachloride



Original Peak Response = 274



Manual Peak Response = 1697 M1

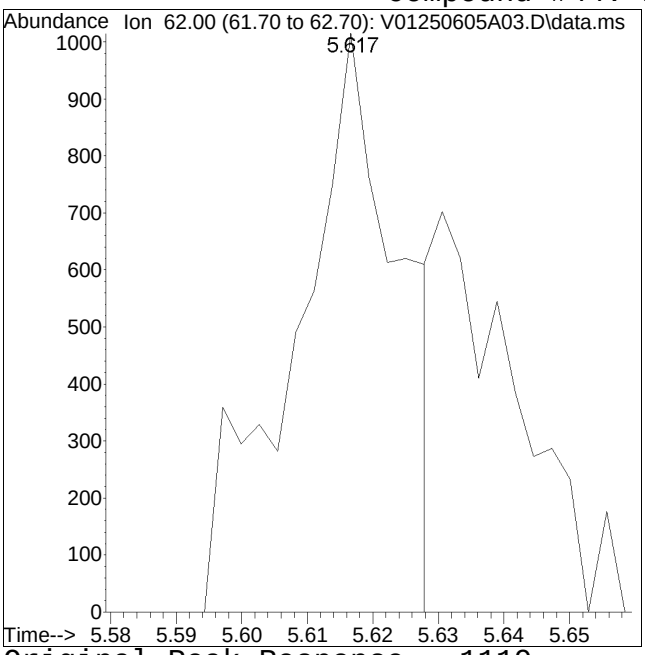
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

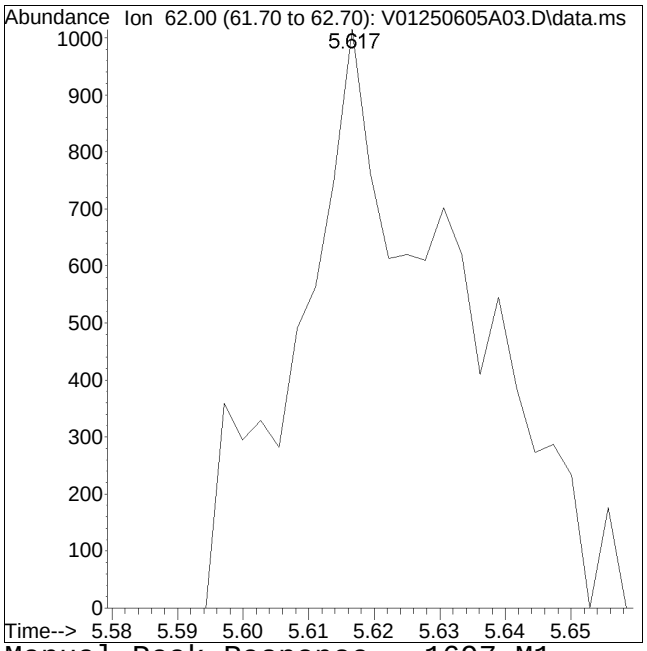
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A03.D
Date Inj'd : 6/5/2025 1:54 pm
Sample : I8260STD0.19PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:23 am

Compound #44: 1,2-Dichloroethane



Original Peak Response = 1119



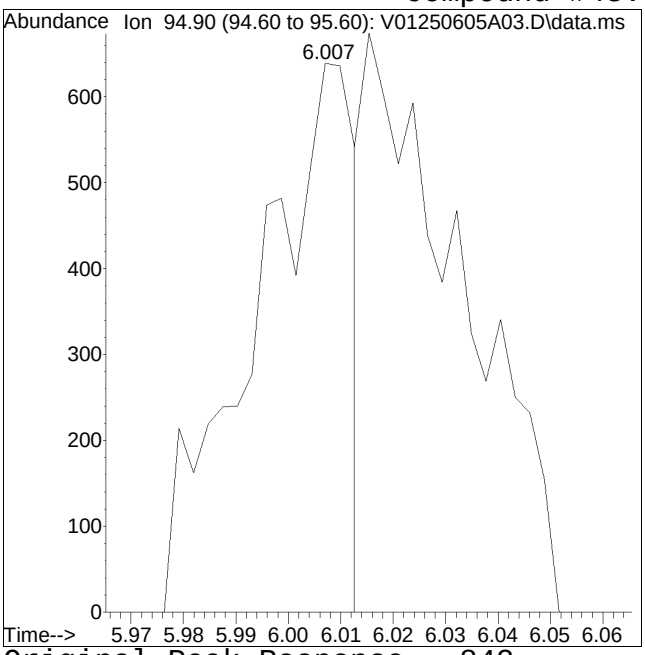
Manual Peak Response = 1697 M1

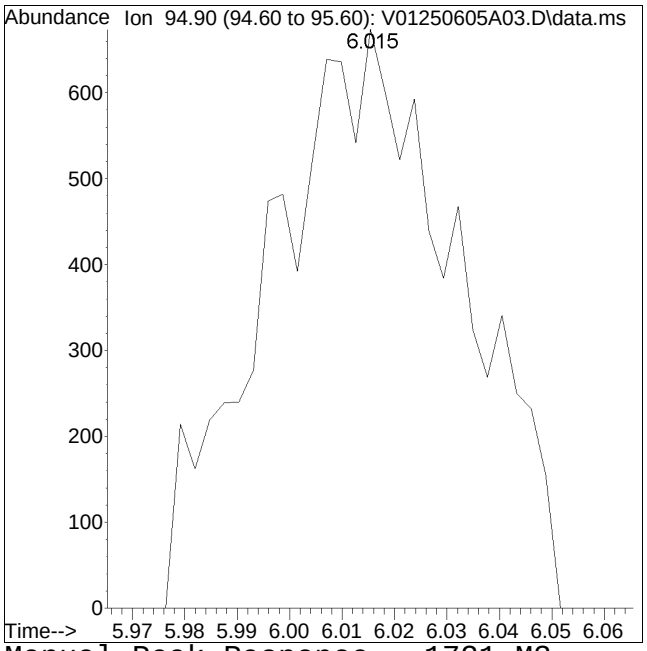
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A03.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 1:54 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 6/6/2025 7:23 am

Compound #48: Trichloroethene





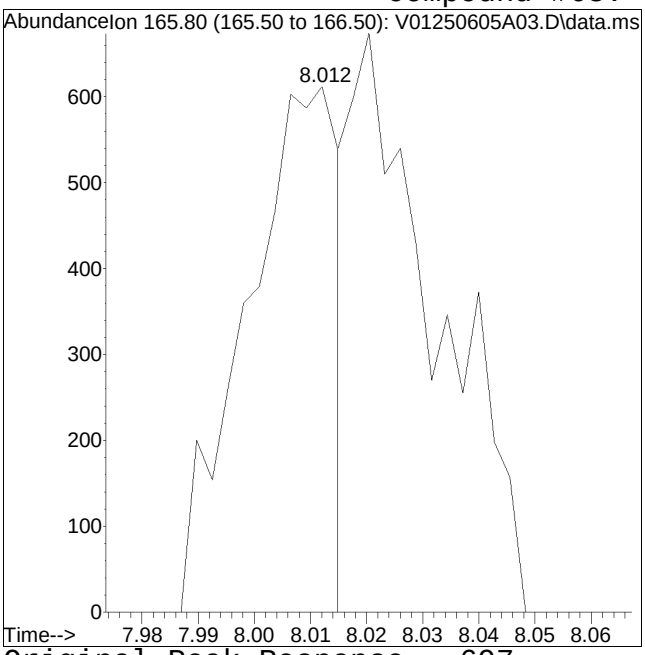
Original Peak Response = 842 Manual Peak Response = 1721 M3

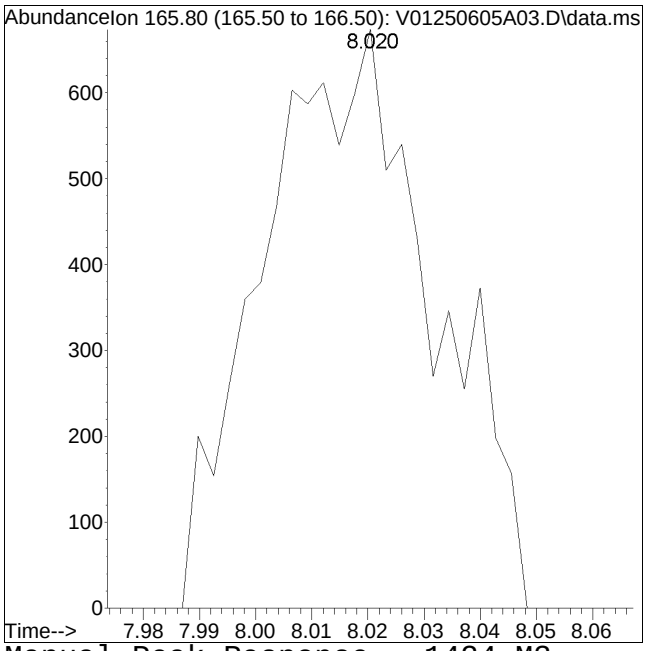
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A03.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 1:54 pm Instrument : VOA 101
Sample : I8260STD0.19PPB Quant Date : 6/6/2025 7:23 am

Compound #63: Tetrachloroethene





Original Peak Response = 697 Manual Peak Response = 1424 M3

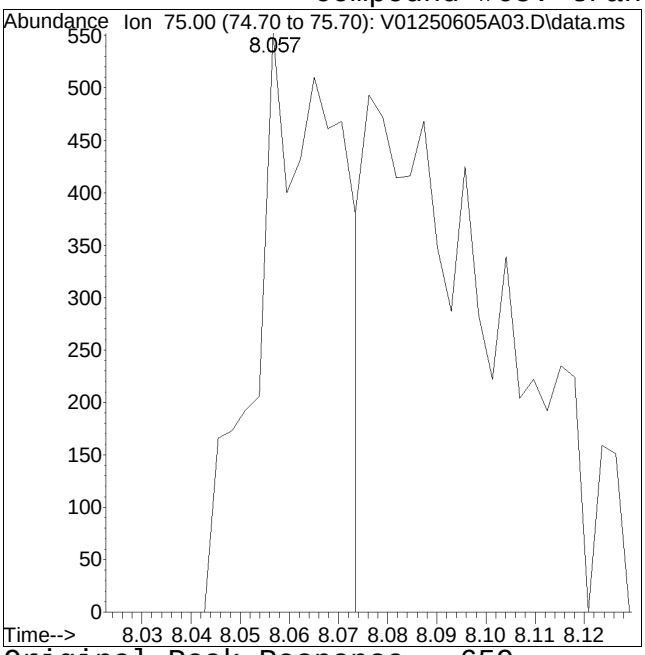
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

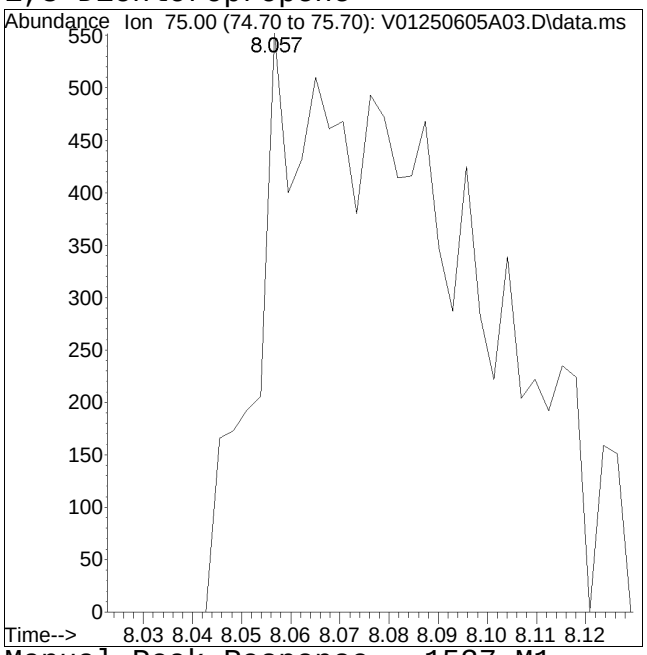
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A03.D
Date Inj'd : 6/5/2025 1:54 pm
Sample : I8260STD0.19PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:23 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 659



Manual Peak Response = 1537 M1

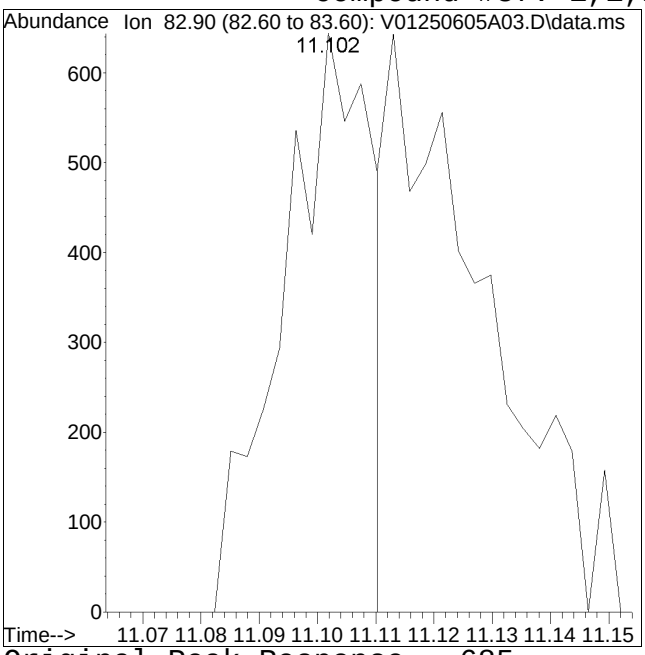
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

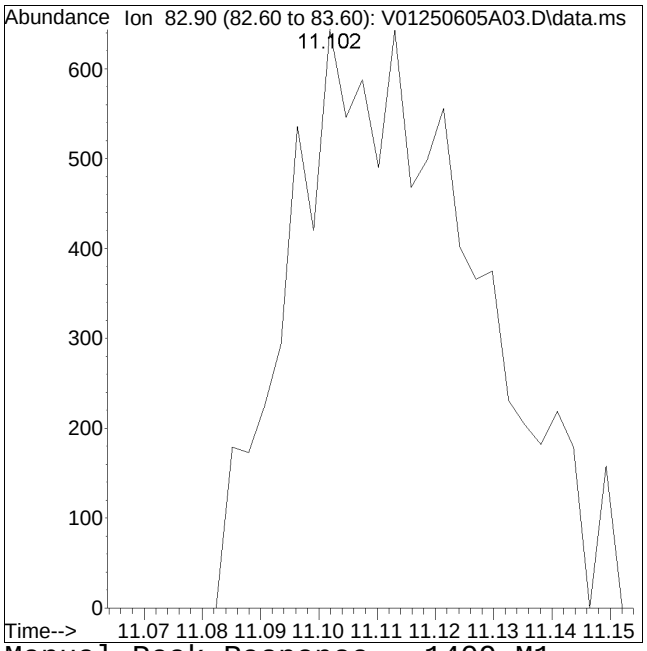
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A03.D
Date Inj'd : 6/5/2025 1:54 pm
Sample : I8260STD0.19PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:23 am

Compound #87: 1,1,2,2-Tetrachloroethane



Original Peak Response = 685



Manual Peak Response = 1409 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A04.D
Acq On : 5 Jun 2025 2:21 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG2075731,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 07:24:06 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.829	96	315806	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 101.87%			
59) Chlorobenzene-d5	9.339	117	247799	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 101.70%			
79) 1,4-Dichlorobenzene-d4	12.078	152	133797	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 98.22%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	84868	9.961	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.61%			
43) 1,2-Dichloroethane-d4	5.547	65	83779	9.791	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.91%			
60) Toluene-d8	7.502	98	316335	10.232	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.32%			
83) 4-Bromofluorobenzene	10.854	95	118756	10.255	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.55%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	3564	0.413	ug/L	99
3) Chloromethane	1.771	50	5333	0.518	ug/L	98
4) Vinyl chloride	1.838	62	4939	0.467	ug/L	97
5) Bromomethane	2.131	94	4430	0.606	ug/L	92
6) Chloroethane	2.237	64	4515	0.557	ug/L	88
7) Trichlorofluoromethane	2.371	101	6434	0.422	ug/L	98
8) Ethyl ether	2.658	74	2793	0.548	ug/L #	86
10) 1,1-Dichloroethene	2.836	96	5324	0.571	ug/L #	72
11) Carbon disulfide	2.861	76	13366	0.485	ug/L	93
12) Freon-113	2.873	101	3239	0.383	ug/L #	60
13) Iodomethane	2.973	142	5152	0.455	ug/L	98
14) Acrolein	3.165	56	637M3	0.733	ug/L	
15) Methylene chloride	3.380	84	4640M3	0.549	ug/L	
17) Acetone	3.441	43	1417	0.921	ug/L	89
18) trans-1,2-Dichloroethene	3.525	96	4173	0.489	ug/L	94
19) Methyl acetate	3.547	43	3010M1	0.807	ug/L	
20) Methyl tert-butyl ether	3.623	73	9636	0.496	ug/L	96
21) tert-Butyl alcohol	3.726	59	1075	2.423	ug/L #	80
22) Diisopropyl ether	3.971	45	12739	0.492	ug/L #	70
23) 1,1-Dichloroethane	4.088	63	7406	0.485	ug/L	95
24) Halothane	4.147	117	2939M3	0.463	ug/L	

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A04.D
Acq On : 5 Jun 2025 2:21 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG2075731,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 07:24:06 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.166	53	621M3	0.382	ug/L		
26) Ethyl tert-butyl ether	4.309	59	11308	0.484	ug/L	#	56
27) Vinyl acetate	4.339	43	3228M6	0.317	ug/L		
28) cis-1,2-Dichloroethene	4.601	96	4582	0.493	ug/L	#	55
29) 2,2-Dichloropropane	4.694	77	6085	0.525	ug/L	#	88
30) Bromochloromethane	4.786	128	2033M1	0.487	ug/L		
31) Cyclohexane	4.794	56	5525	0.399	ug/L	#	55
32) Chloroform	4.858	83	7382	0.513	ug/L	#	92
33) Ethyl acetate	4.995	43	3520M1	0.668	ug/L		
34) Carbon tetrachloride	4.984	117	5163	0.448	ug/L	#	87
35) Tetrahydrofuran	5.025	42	768M1	0.497	ug/L		
37) 1,1,1-Trichloroethane	5.048	97	6064	0.476	ug/L	#	97
39) 2-Butanone	0.000		0	N.D.	d		
40) 1,1-Dichloropropene	5.176	75	4606	0.439	ug/L	#	71
41) Benzene	5.421	78	15461	0.489	ug/L		100
42) tert-Amyl methyl ether	5.525	73	9893	0.495	ug/L		90
44) 1,2-Dichloroethane	5.619	62	4303	0.460	ug/L		90
47) Methyl cyclohexane	5.993	83	5181M1	0.386	ug/L		
48) Trichloroethene	6.007	95	4662	0.514	ug/L	#	60
50) Dibromomethane	6.459	93	2032M3	0.461	ug/L		
51) 1,2-Dichloropropane	6.551	63	4207M3	0.497	ug/L		
53) 2-Chloroethyl vinyl ether	0.000		0	N.D.			
54) Bromodichloromethane	6.623	83	5353	0.485	ug/L	#	95
57) 1,4-Dioxane	6.841	88	3732M1	90.093	ug/L		
58) cis-1,3-Dichloropropene	7.318	75	6116	0.482	ug/L		96
61) Toluene	7.560	92	9627	0.471	ug/L		90
62) 4-Methyl-2-pentanone	8.015	58	626M3	0.359	ug/L		
63) Tetrachloroethene	8.015	166	4190	0.460	ug/L		88
65) trans-1,3-Dichloropropene	8.059	75	4765M1	0.480	ug/L		
67) Ethyl methacrylate	8.255	69	2904M1	0.399	ug/L		
68) 1,1,2-Trichloroethane	8.230	83	2644M1	0.526	ug/L		
69) Chlorodibromomethane	8.444	129	3697	0.460	ug/L		93
70) 1,3-Dichloropropane	8.559	76	4637	0.464	ug/L	#	68
71) 1,2-Dibromoethane	8.718	107	2757M1	0.467	ug/L		
72) 2-Hexanone	9.035	43	2355M3	0.741	ug/L		
73) Chlorobenzene	9.359	112	11270	0.478	ug/L		88
74) Ethylbenzene	9.404	91	17931	0.455	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.440	131	4038	0.467	ug/L	#	62
76) p/m Xylene	9.593	106	13444	0.846	ug/L		87
77) o Xylene	10.129	106	14196	0.911	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A04.D
Acq On : 5 Jun 2025 2:21 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG2075731,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 07:24:06 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.207	104	20168	0.810	ug/L		96
80)	Bromoform	10.232	173	2184M3	0.457	ug/L		
82)	Isopropylbenzene	10.527	105	17629	0.461	ug/L		99
84)	Bromobenzene	10.976	156	4542M3	0.486	ug/L		
85)	n-Propylbenzene	11.015	91	19788	0.454	ug/L		99
86)	1,4-Dichlorobutane	11.035	55	5576	0.560	ug/L	#	75
87)	1,1,2,2-Tetrachloroethane	11.107	83	3573	0.532	ug/L		91
88)	4-Ethyltoluene	11.152	105	16523	0.451	ug/L		98
89)	2-Chlorotoluene	11.191	91	12124M4	0.468	ug/L		
90)	1,3,5-Trimethylbenzene	11.247	105	14285	0.456	ug/L		98
91)	1,2,3-Trichloropropane	11.238	75	2602M1	0.504	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.319	53	559M3	0.362	ug/L		
93)	4-Chlorotoluene	11.378	91	12723	0.486	ug/L		96
94)	tert-Butylbenzene	11.581	119	12203	0.461	ug/L		96
97)	1,2,4-Trimethylbenzene	11.671	105	13836	0.459	ug/L		98
98)	sec-Butylbenzene	11.779	105	17161	0.458	ug/L		94
99)	p-Isopropyltoluene	11.936	119	13963	0.435	ug/L		98
100)	1,3-Dichlorobenzene	12.014	146	7867	0.458	ug/L	#	70
101)	1,4-Dichlorobenzene	12.097	146	8932	0.505	ug/L	#	85
102)	p-Diethylbenzene	12.315	119	7877	0.431	ug/L		99
103)	n-Butylbenzene	12.373	91	11117M4	0.437	ug/L		
104)	1,2-Dichlorobenzene	12.530	146	7248	0.476	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.118	119	11708	0.454	ug/L		99
106)	1,2-Dibromo-3-chloropr...	13.313	155	397M6	0.421	ug/L		
107)	1,3,5-Trichlorobenzene	13.349	180	4584	0.456	ug/L		97
108)	Hexachlorobutadiene	13.918	225	1705	0.455	ug/L		97
109)	1,2,4-Trichlorobenzene	13.955	180	3870	0.469	ug/L	#	85
110)	Naphthalene	14.242	128	6649	0.446	ug/L		100
111)	1,2,3-Trichlorobenzene	14.409	180	2981	0.473	ug/L		98

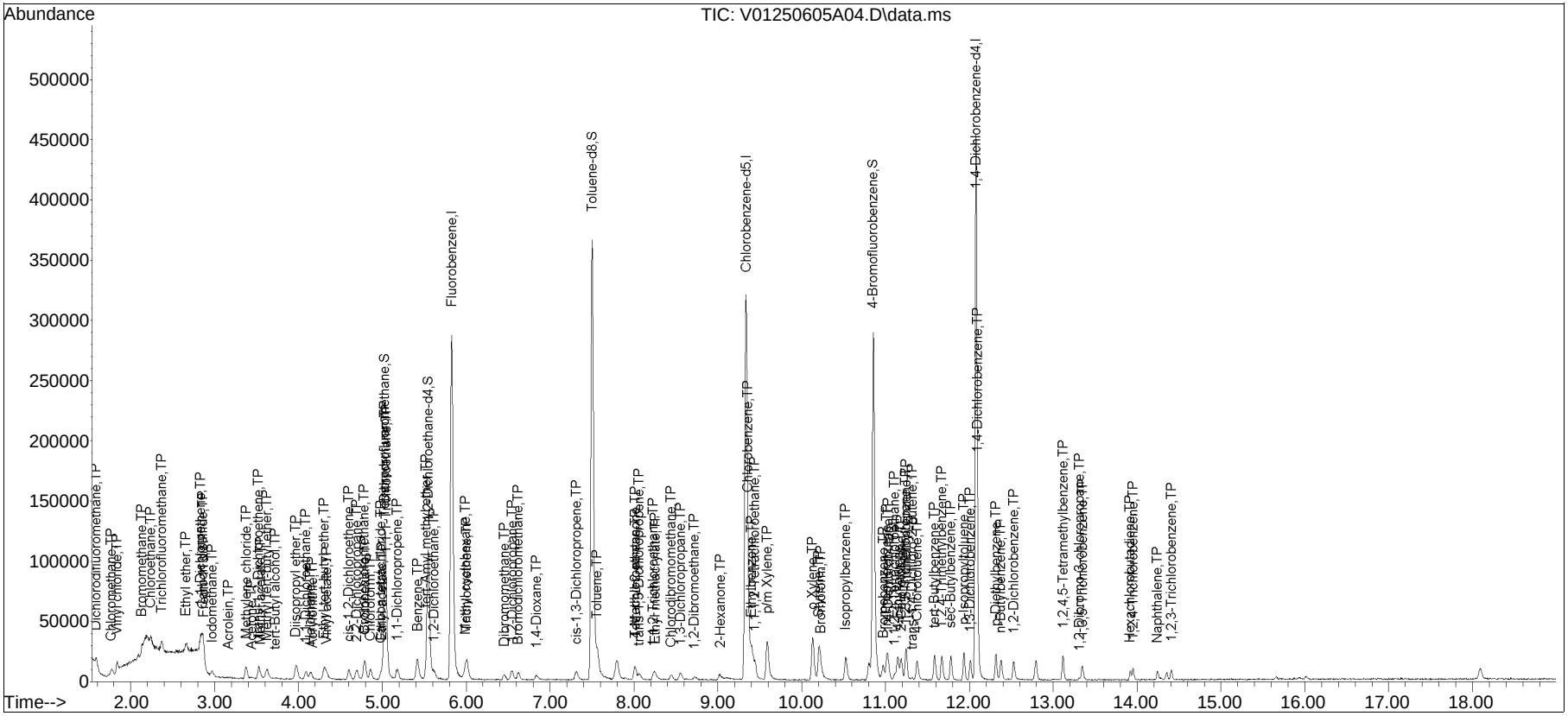
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A04.D
Acq On : 5 Jun 2025 2:21 pm
Operator : VOA101:PID
Sample : I8260STD0.5PPB
Misc : WG2075731,ICAL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 07:24:06 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

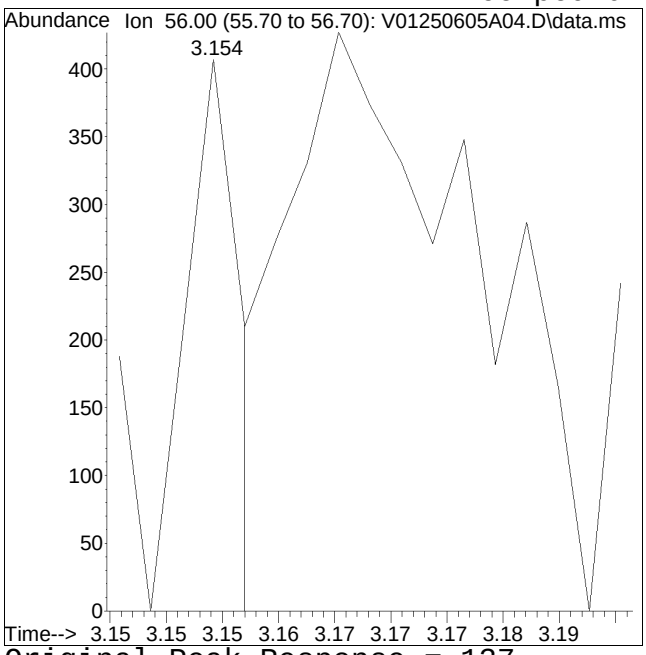
Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

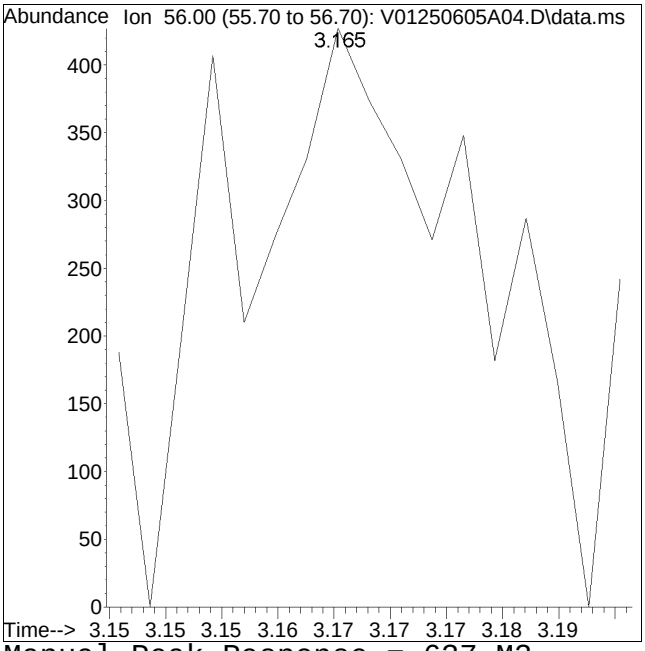


Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #14: Acrolein





Original Peak Response = 137 Manual Peak Response = 637 M3

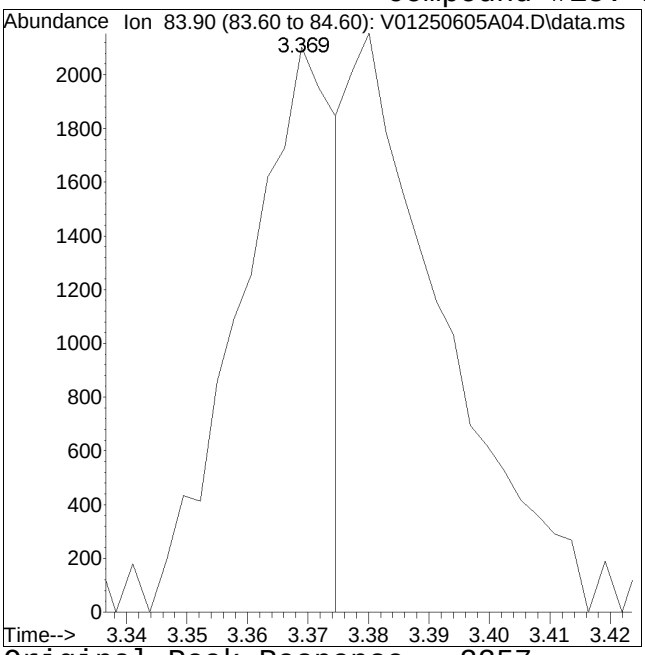
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

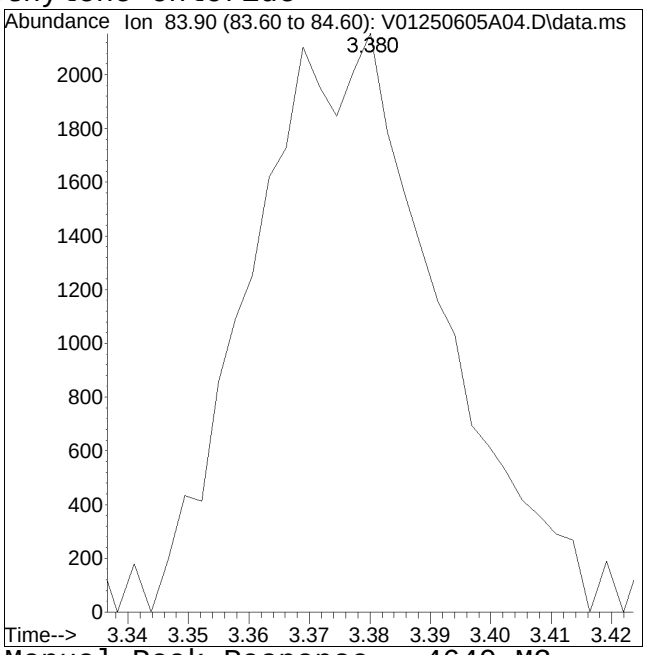
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #15: Methylene chloride



Original Peak Response = 2257



Manual Peak Response = 4640 M3

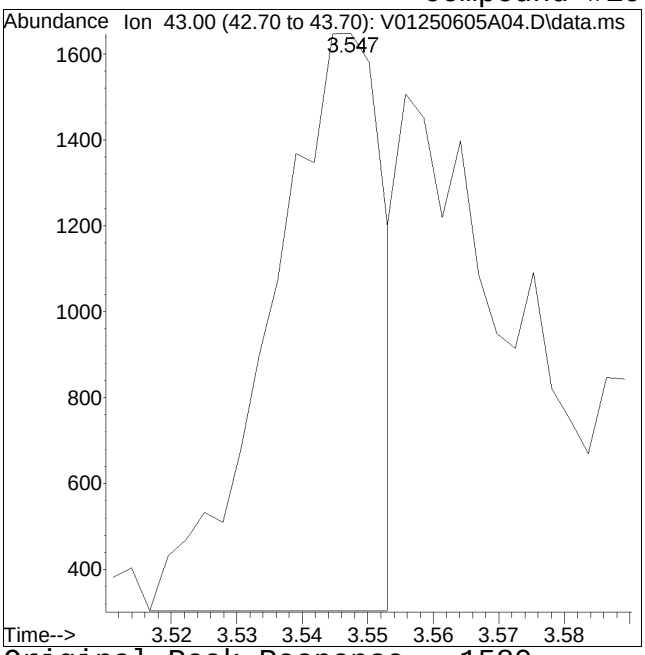
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

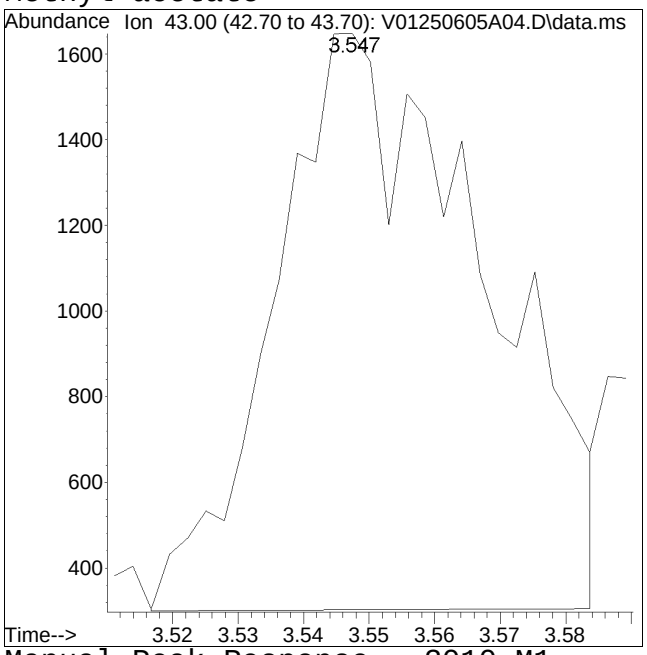
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #19: Methyl acetate



Original Peak Response = 1580



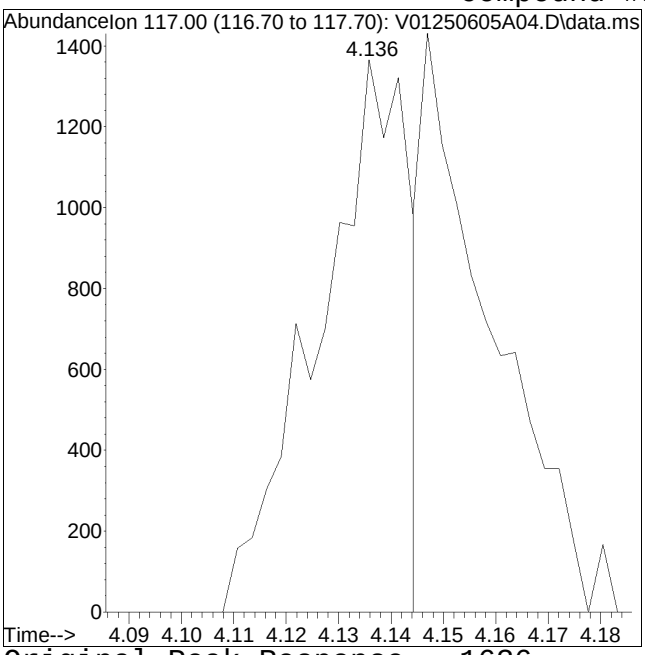
Manual Peak Response = 3010 M1

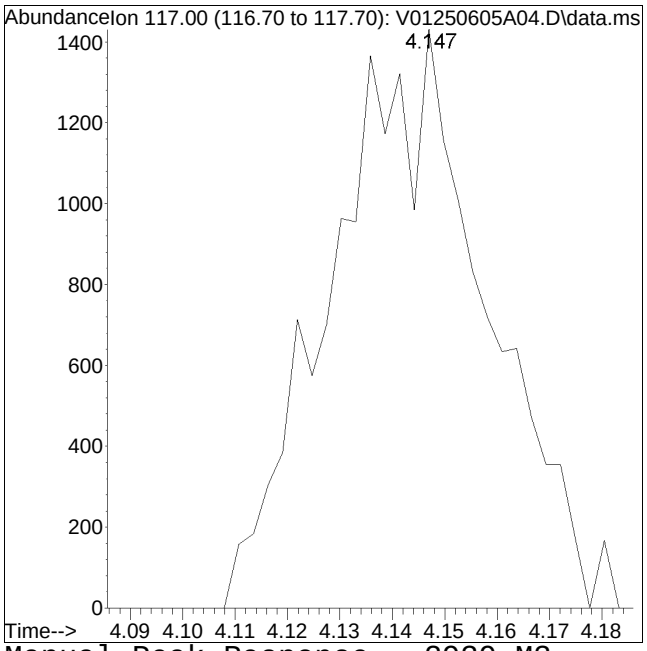
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #24: Halothane





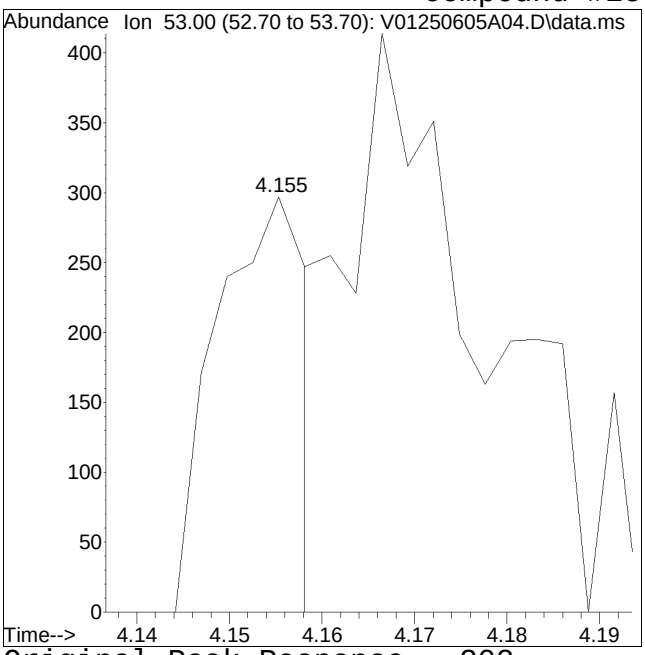
Original Peak Response = 1636 Manual Peak Response = 2939 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

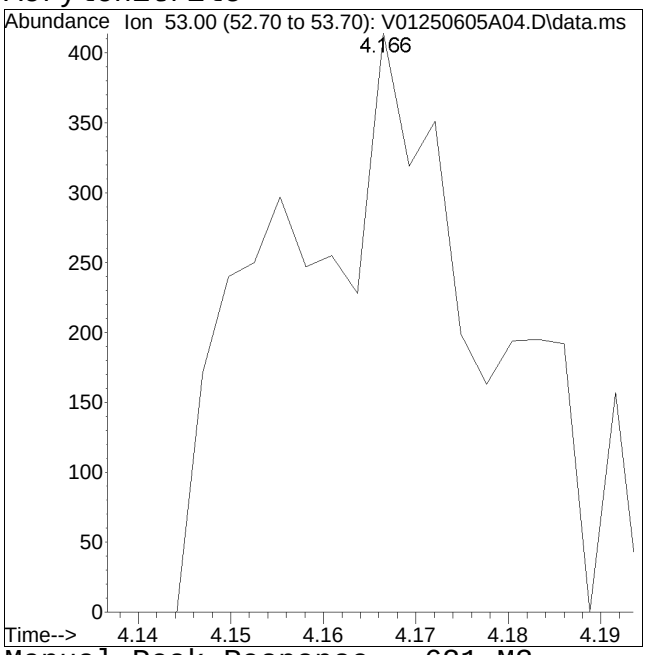
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #25: Acrylonitrile



Original Peak Response = 202



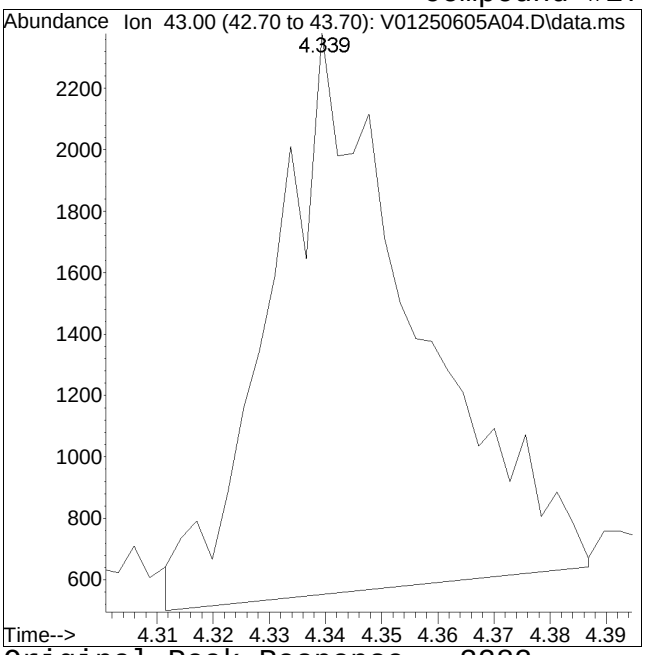
Manual Peak Response = 621 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

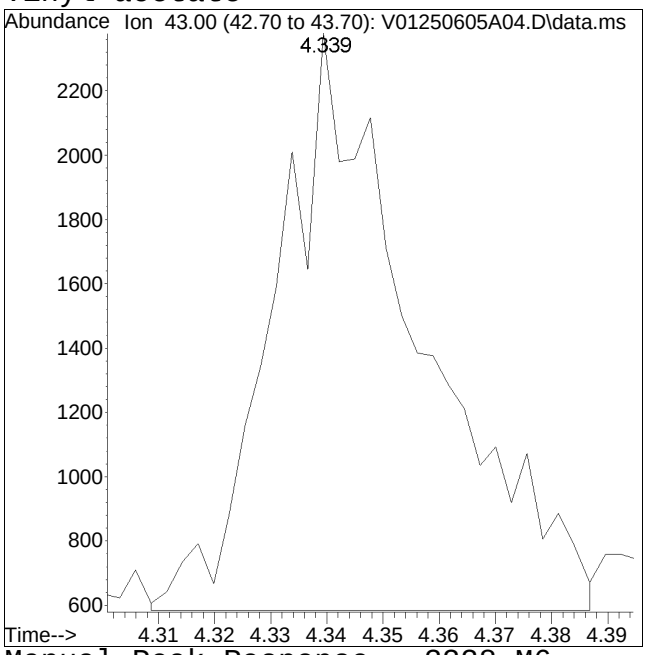
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #27: Vinyl acetate



Original Peak Response = 3282



Manual Peak Response = 3228 M6

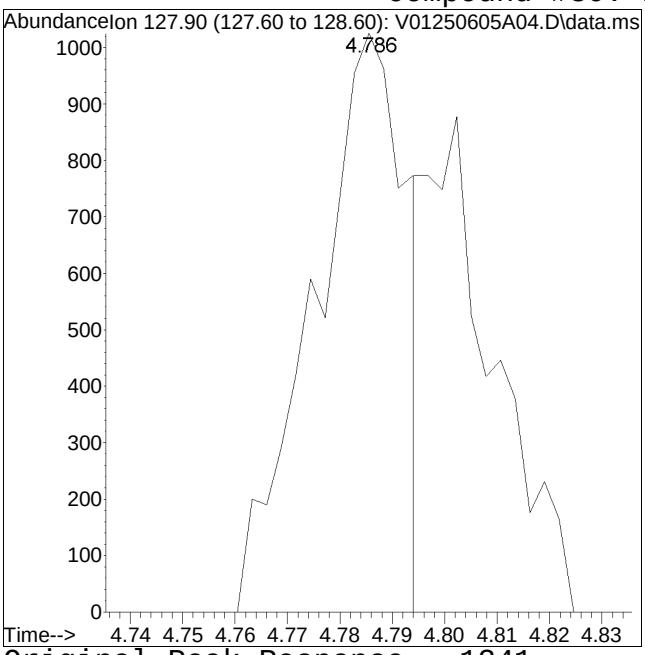
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

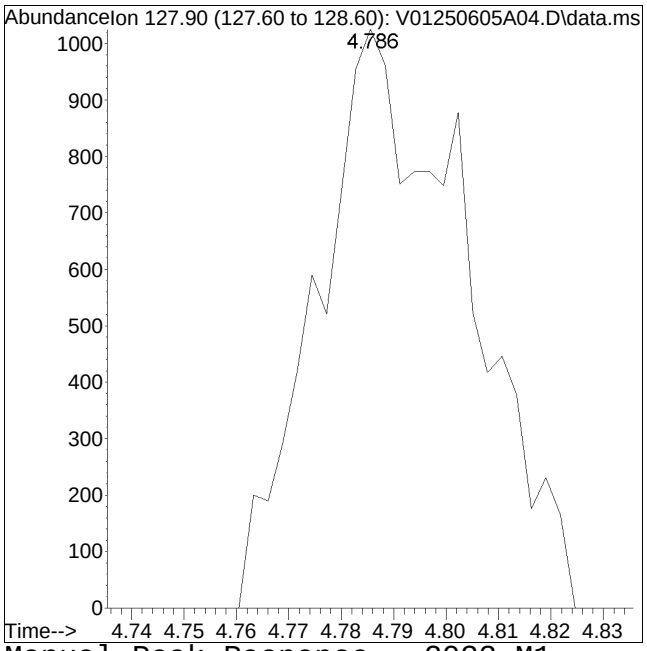
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #30: Bromochloromethane



Original Peak Response = 1241



Manual Peak Response = 2033 M1

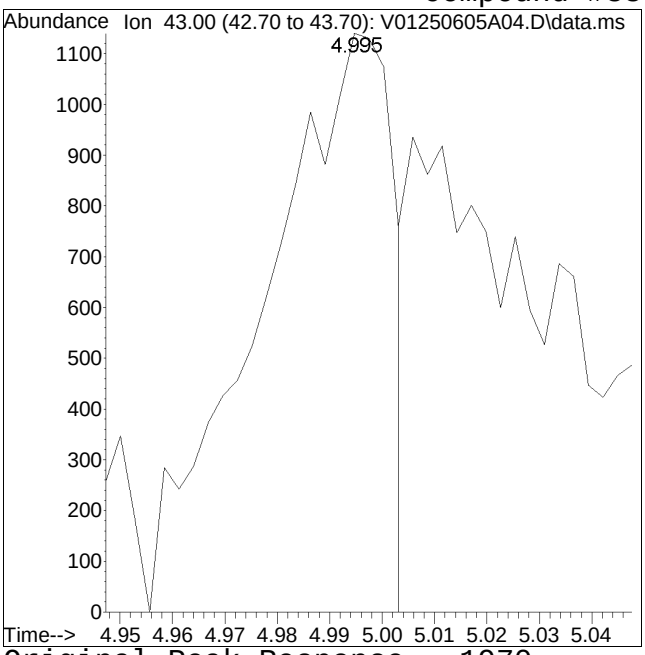
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

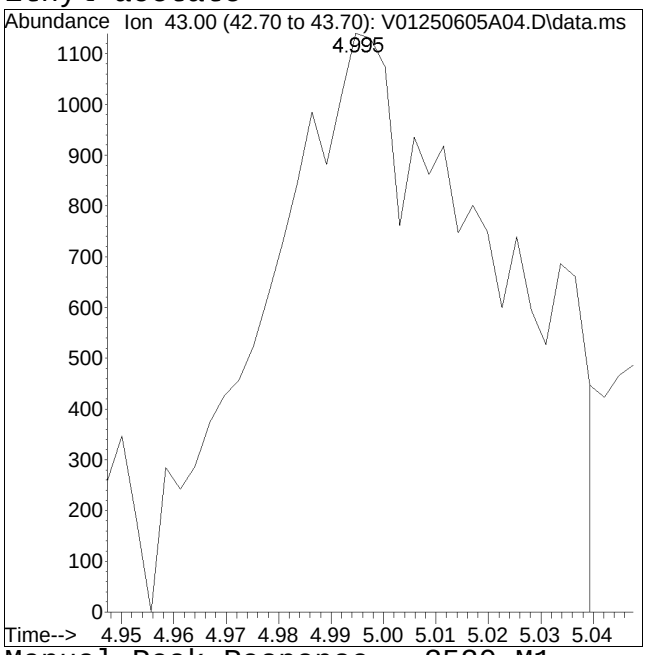
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #33: Ethyl acetate



Original Peak Response = 1970



Manual Peak Response = 3520 M1

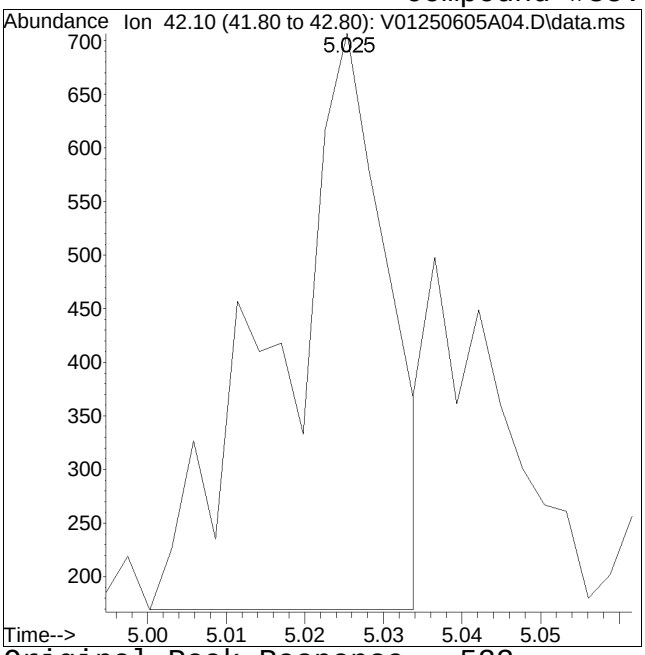
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

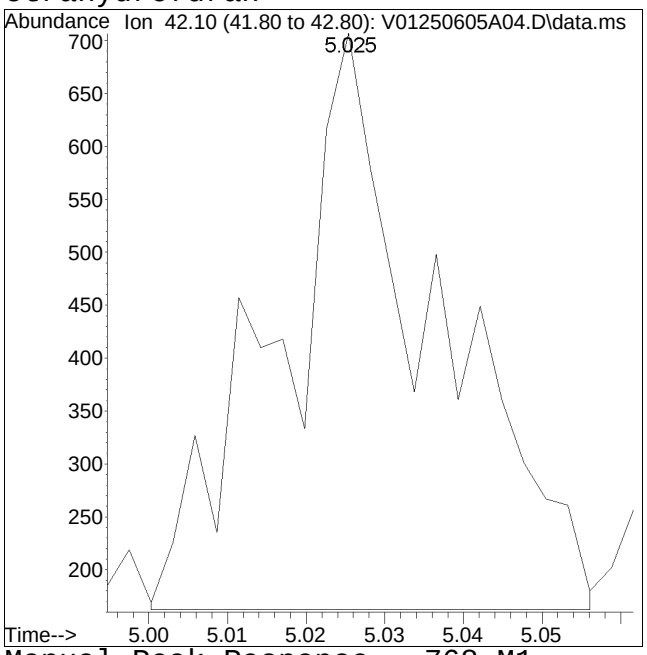
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran



Original Peak Response = 523



Manual Peak Response = 768 M1

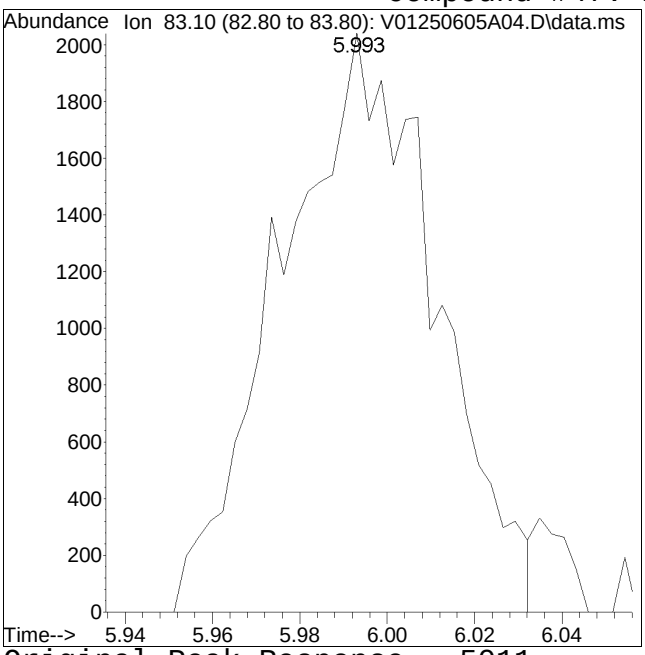
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

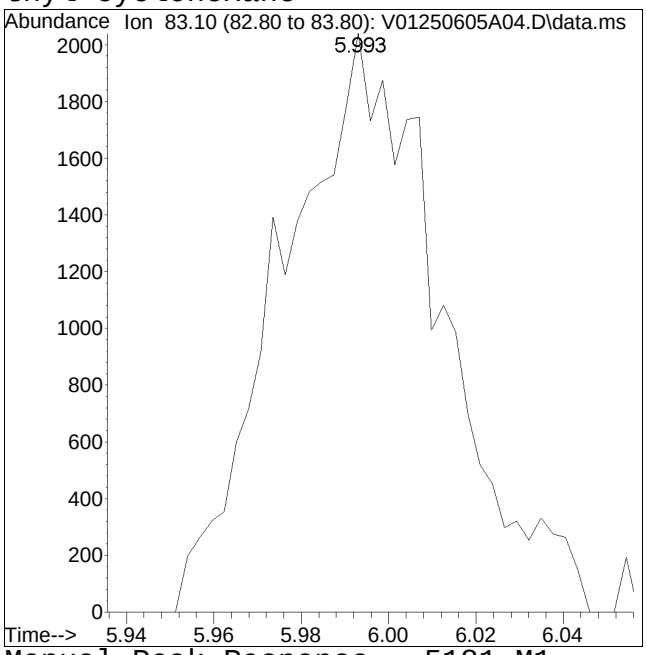
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #47: Methyl cyclohexane





Original Peak Response = 5011 Manual Peak Response = 5181 M1

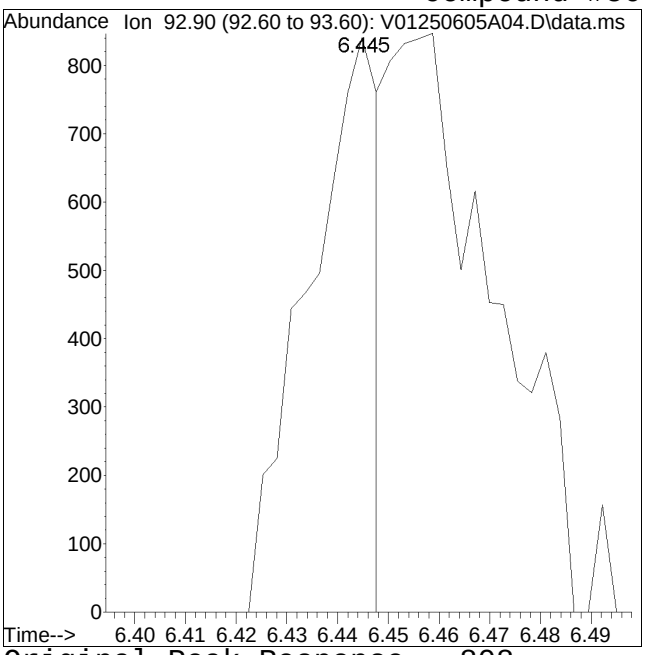
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

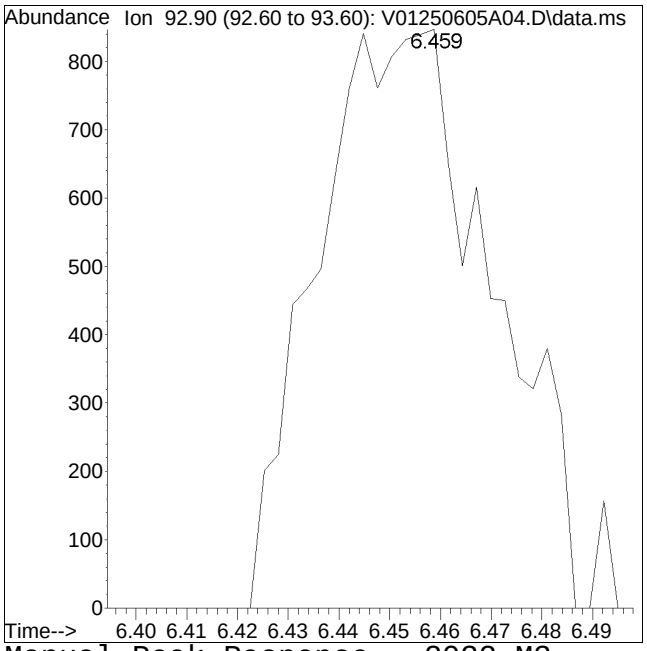
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #50: Dibromomethane





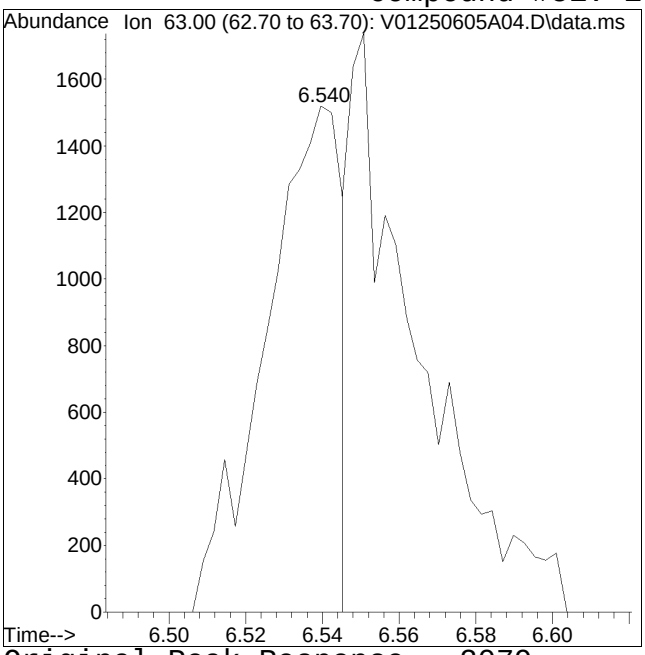
Original Peak Response = 808 Manual Peak Response = 2032 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

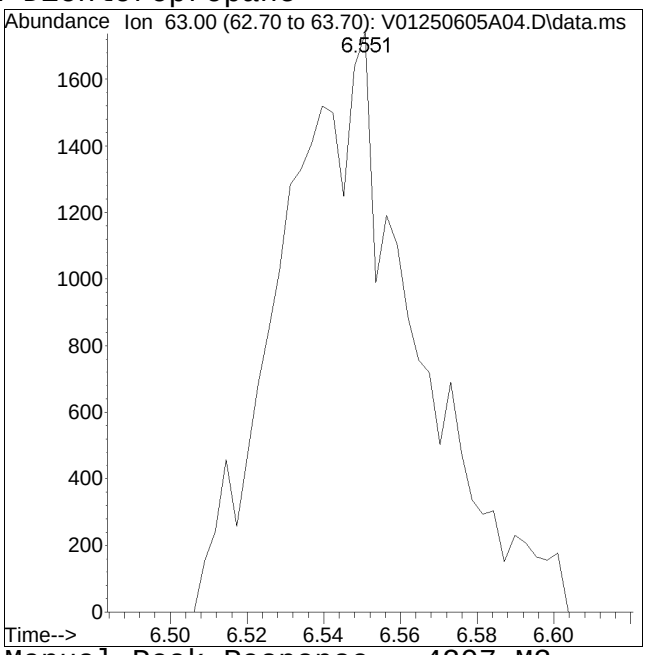
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #51: 1,2-Dichloropropane



Original Peak Response = 2079



Manual Peak Response = 4207 M3

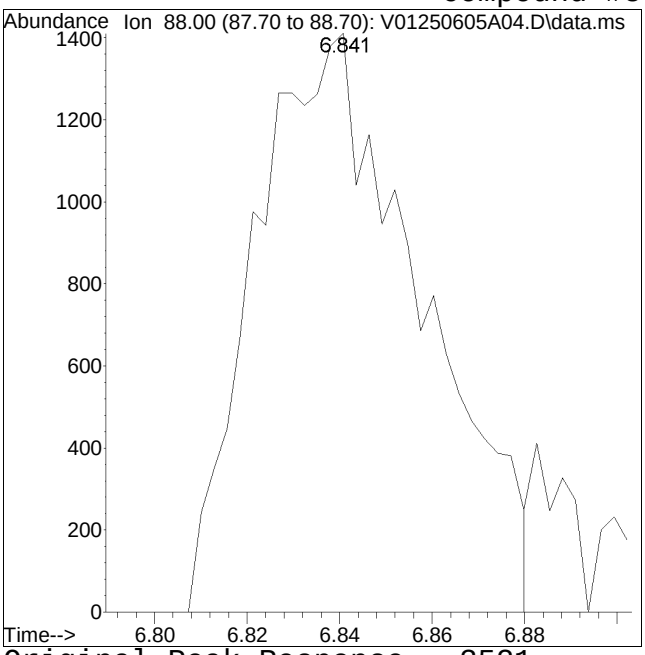
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

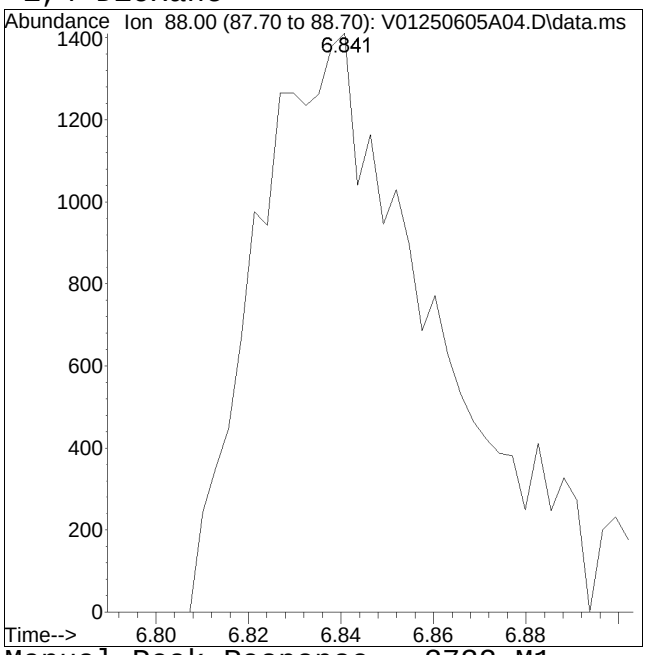
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #57: 1,4-Dioxane



Original Peak Response = 3521



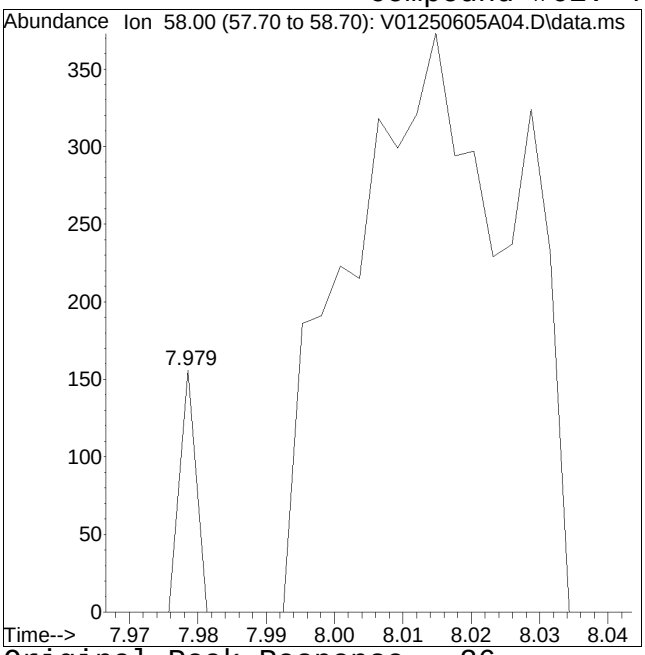
Manual Peak Response = 3732 M1

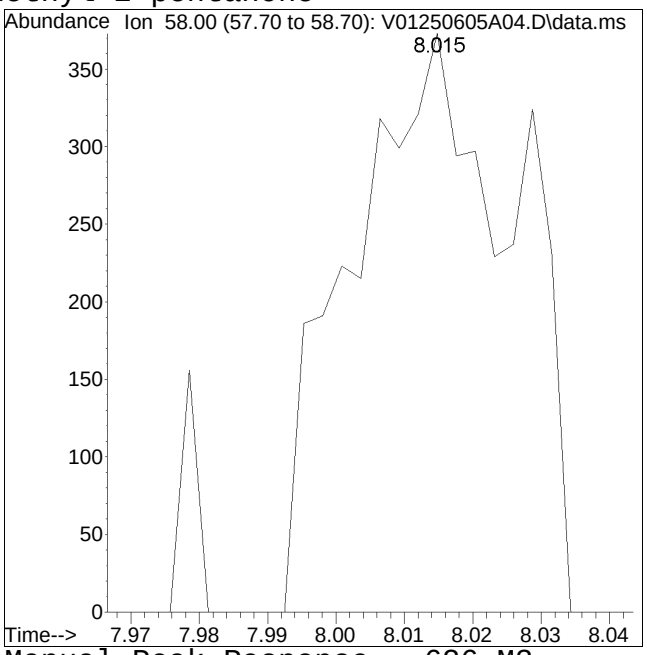
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #62: 4-Methyl-2-pentanone





Original Peak Response = 26 Manual Peak Response = 626 M3

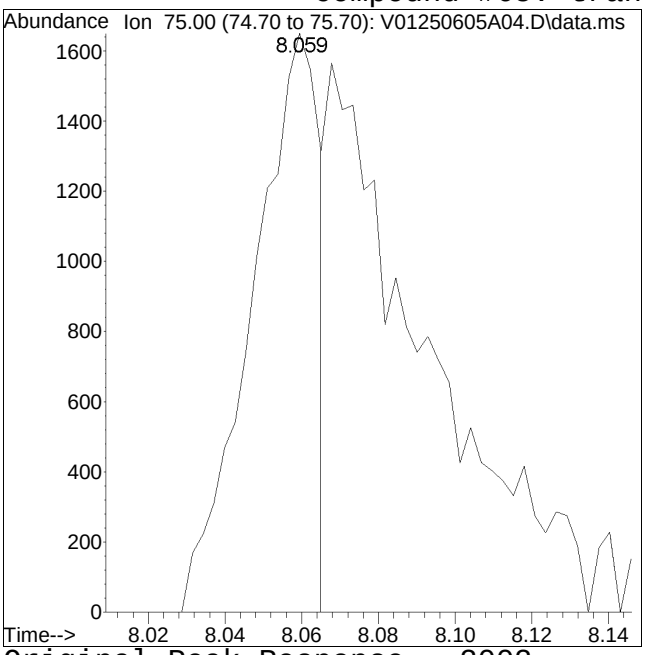
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

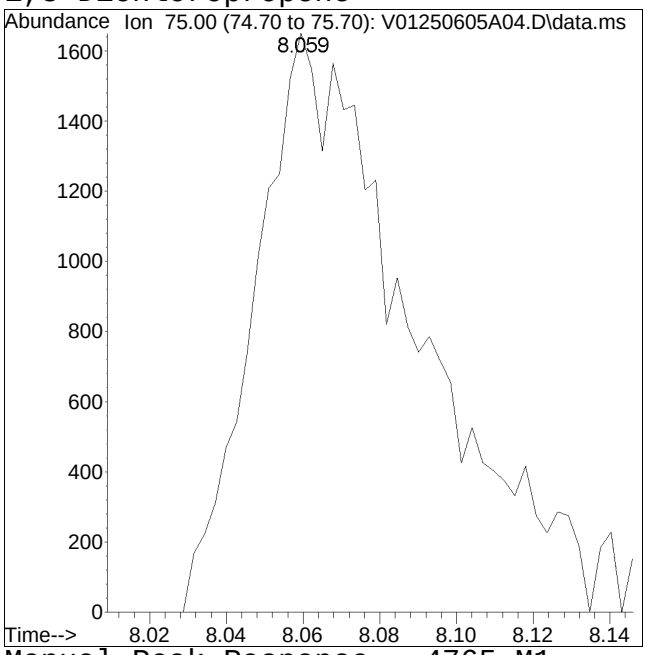
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #65: trans-1,3-Dichloropropene



Original Peak Response = 2002



Manual Peak Response = 4765 M1

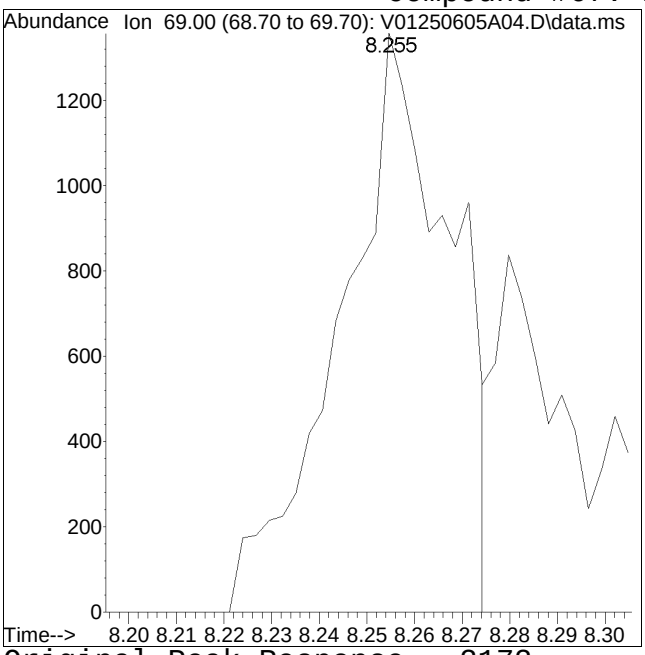
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

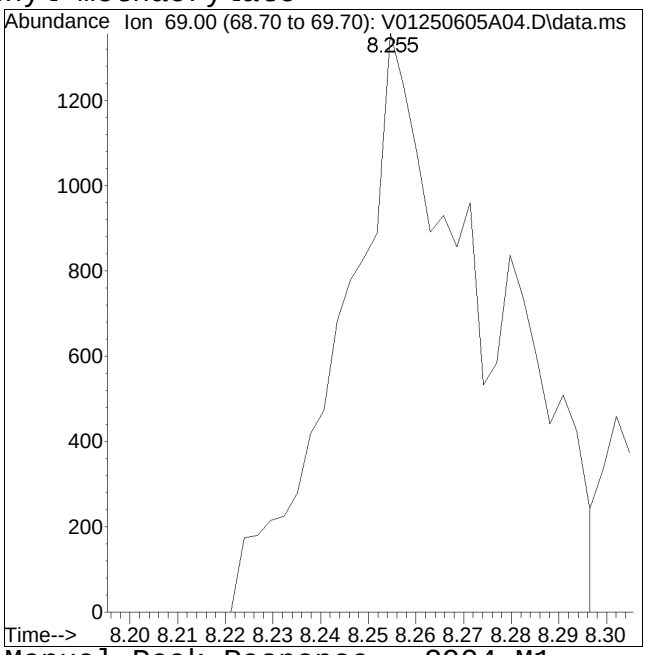
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #67: Ethyl methacrylate



Original Peak Response = 2172



Manual Peak Response = 2904 M1

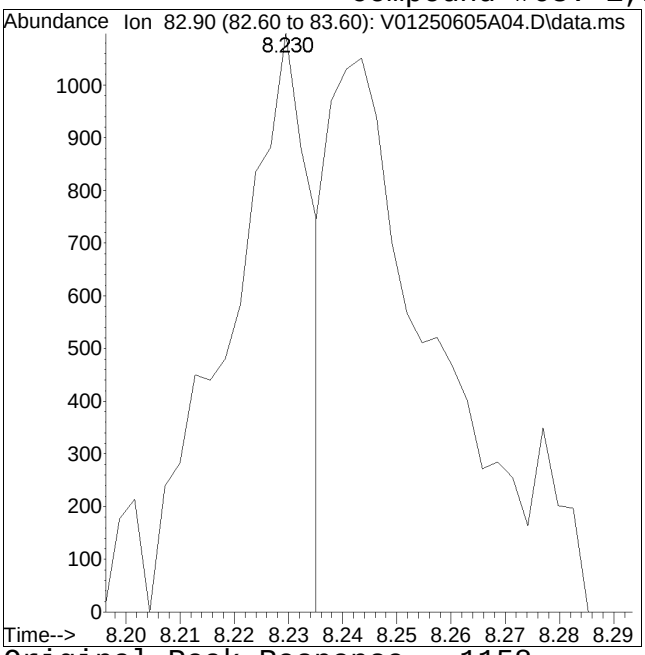
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

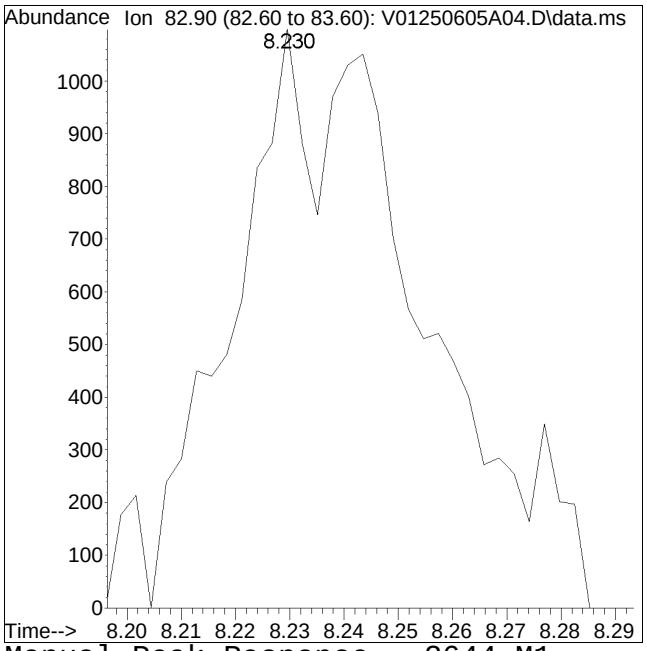
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #68: 1,1,2-Trichloroethane



Original Peak Response = 1158



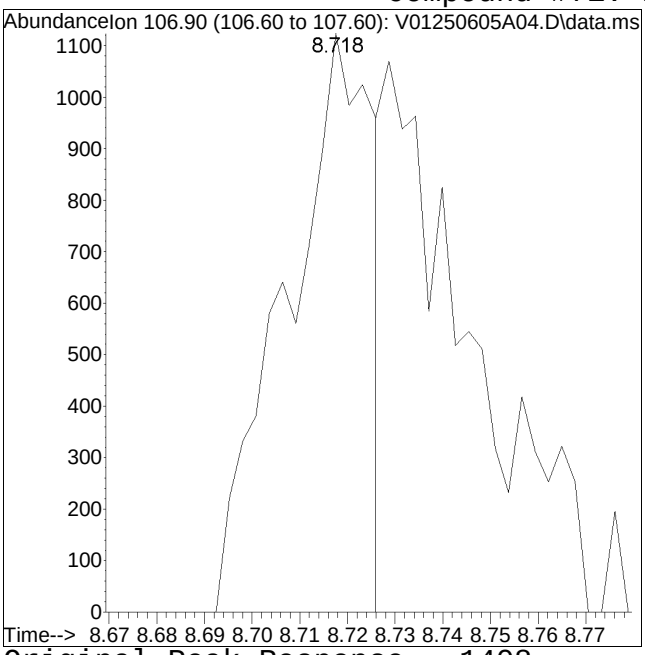
Manual Peak Response = 2644 M1

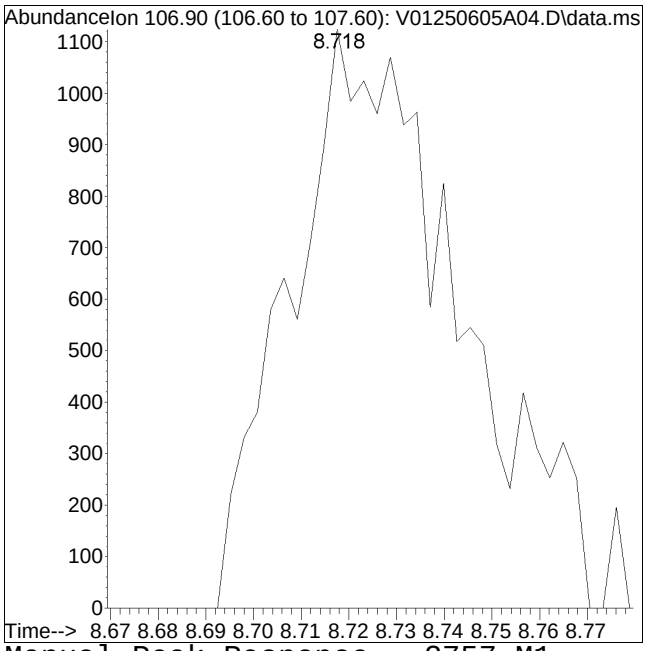
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #71: 1,2-Dibromoethane





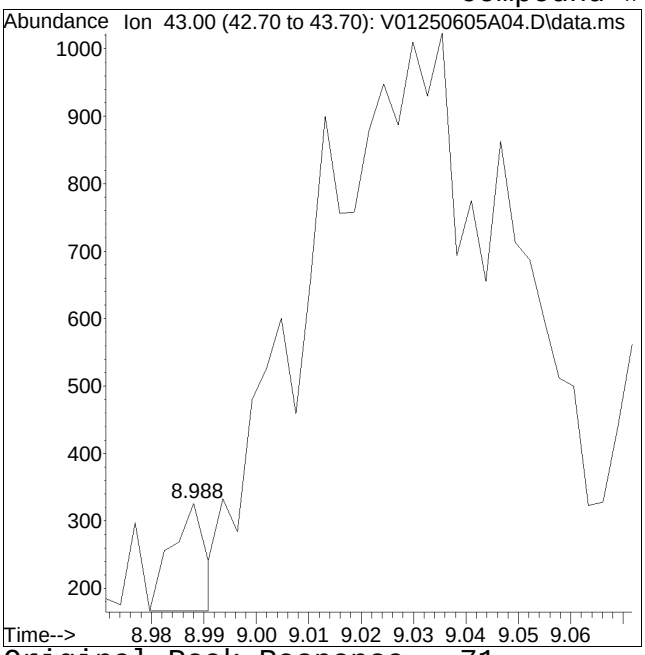
Original Peak Response = 1408 Manual Peak Response = 2757 M1

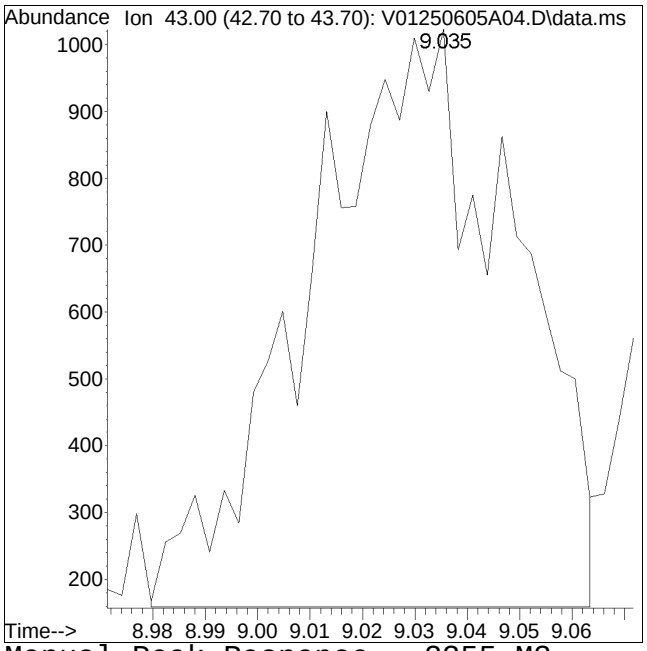
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #72: 2-Hexanone





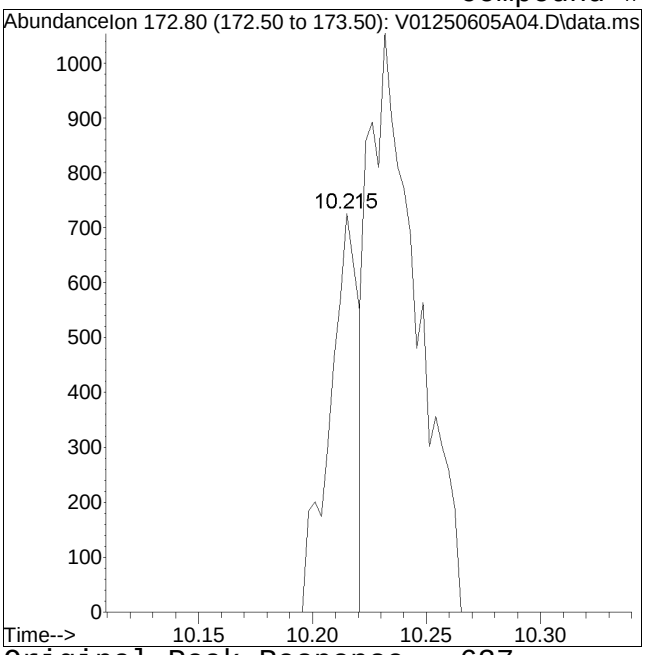
Original Peak Response = 71 Manual Peak Response = 2355 M3

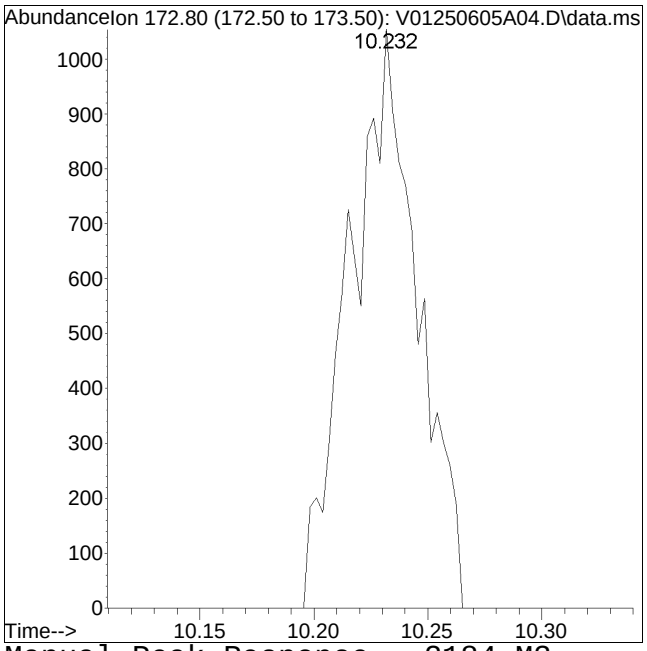
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #80: Bromoform





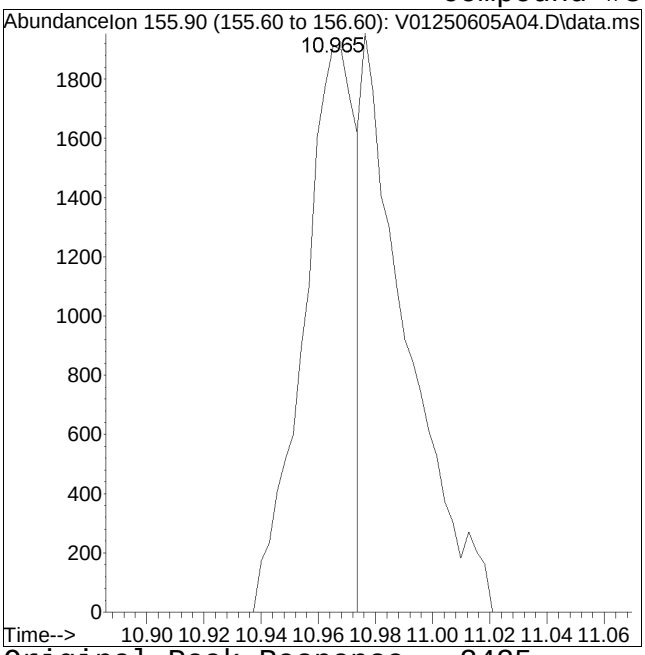
Original Peak Response = 637 Manual Peak Response = 2184 M3

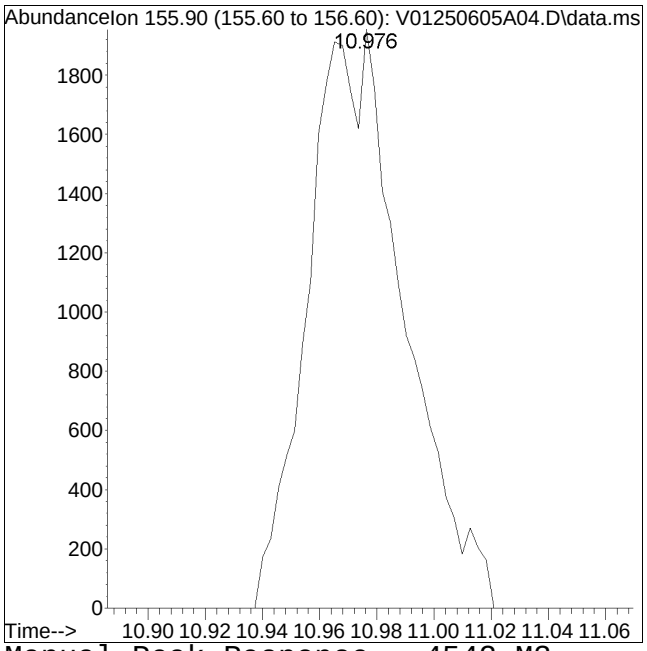
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #84: Bromobenzene





Original Peak Response = 2425 Manual Peak Response = 4542 M3

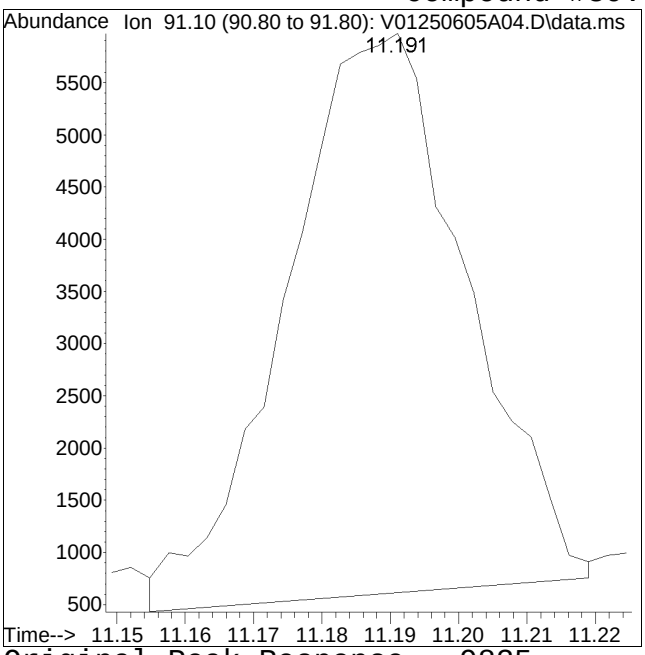
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

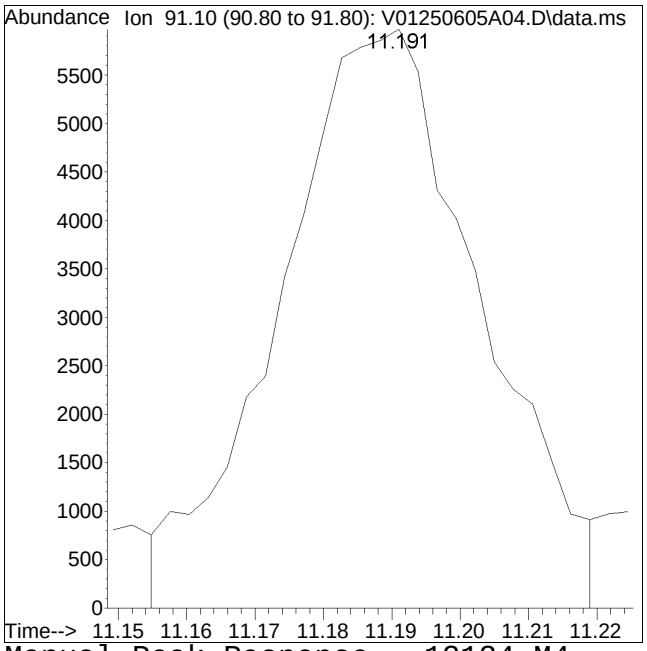
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 9835



Manual Peak Response = 12124 M4

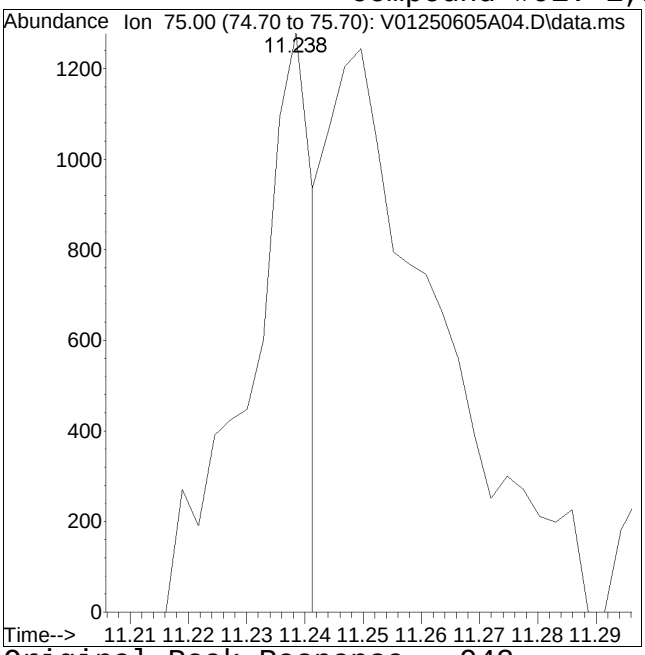
M4 = Poor automated baseline construction.

Manual Integration Report

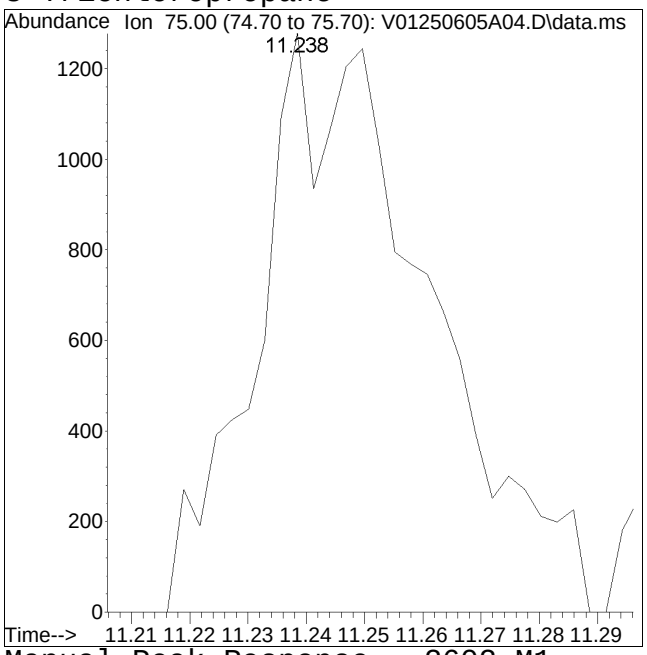
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A04.D
Date Inj'd : 6/5/2025 2:21 pm
Sample : I8260STD0.5PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 942



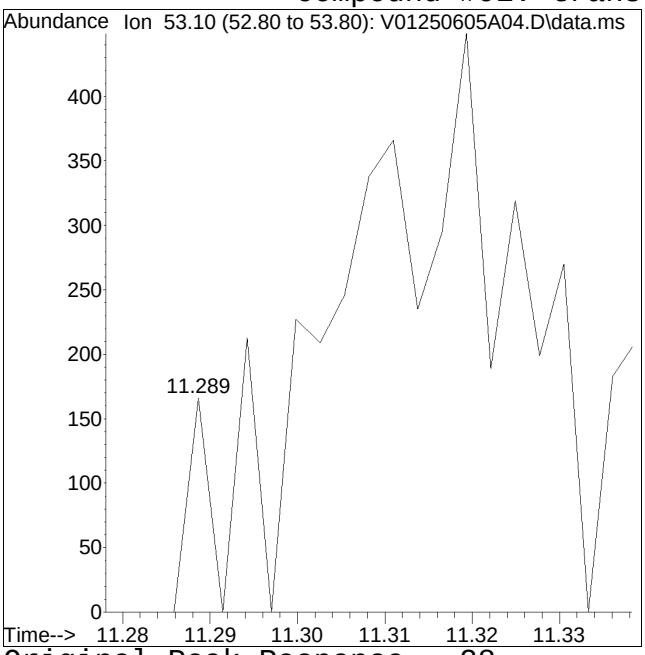
Manual Peak Response = 2602 M1

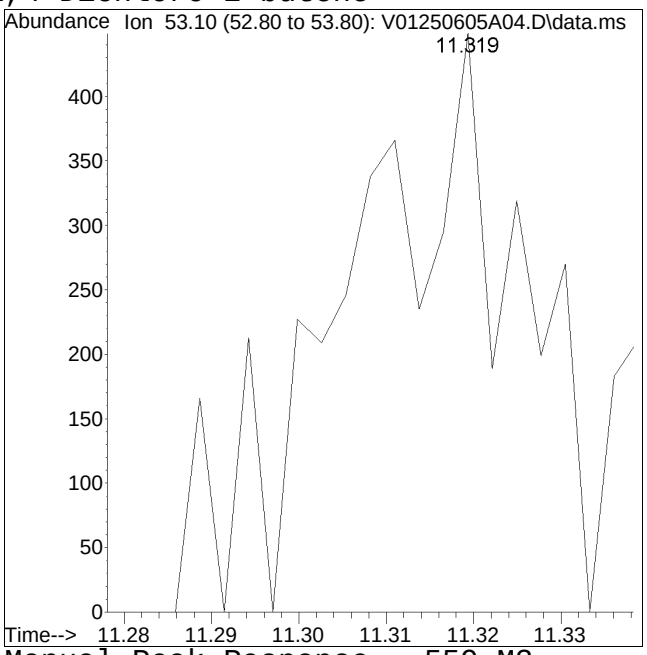
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #92: trans-1,4-Dichloro-2-butene





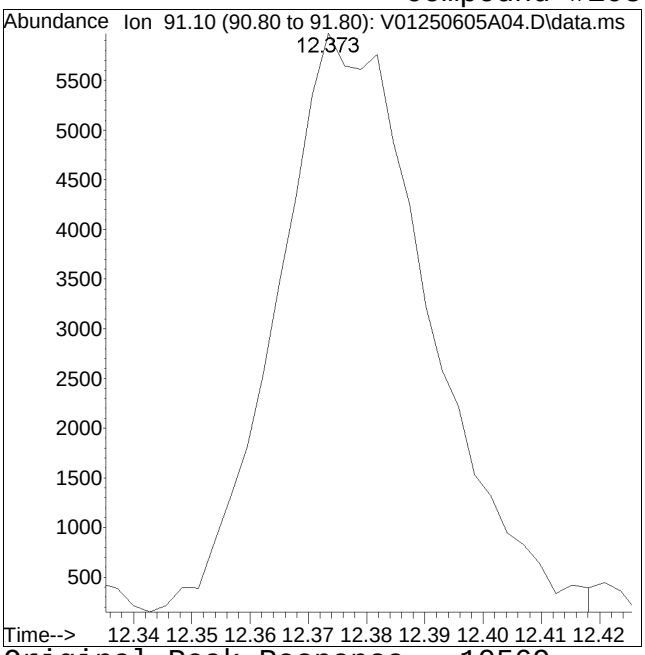
Original Peak Response = 28 Manual Peak Response = 559 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

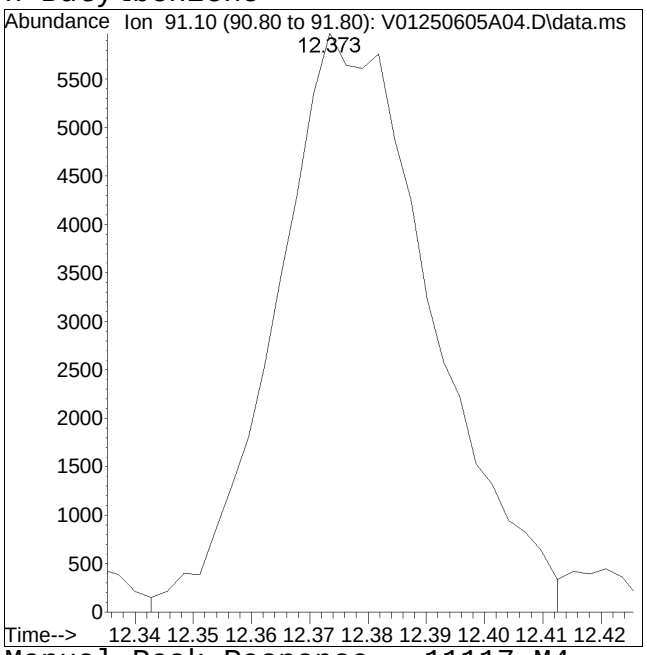
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #103: n-Butylbenzene



Original Peak Response = 10569



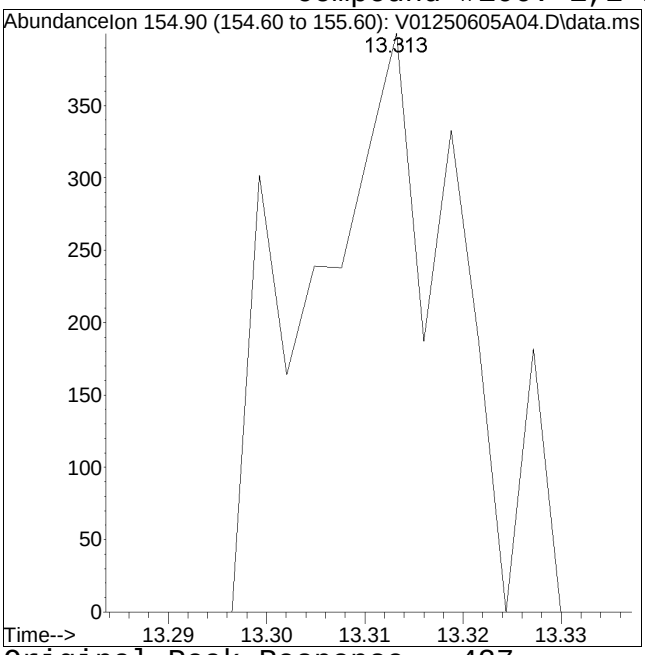
Manual Peak Response = 11117 M4

M4 = Poor automated baseline construction.

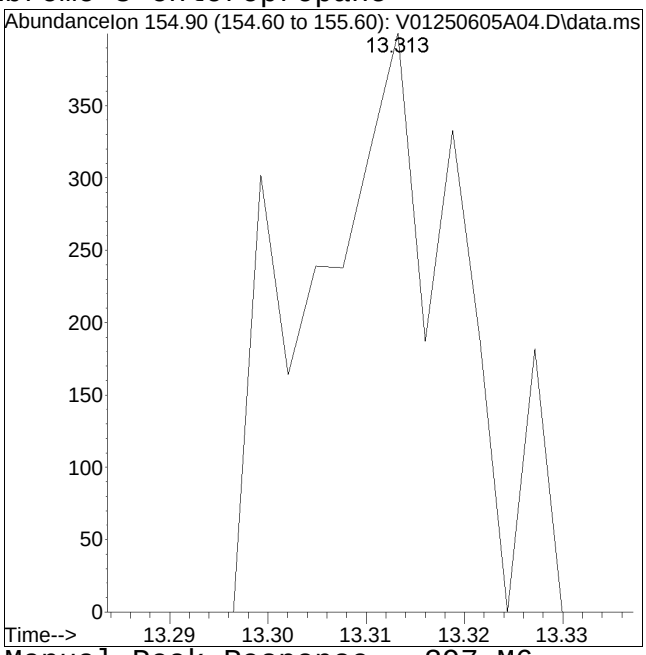
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A04.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 2:21 pm Instrument : VOA 101
Sample : I8260STD0.5PPB Quant Date : 6/6/2025 7:24 am

Compound #106: 1,2-Dibromo-3-chloropropane



Original Peak Response = 427



Manual Peak Response = 397 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A06.D
Acq On : 5 Jun 2025 3:14 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG2075731,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 07:24:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.828	96	311927	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 100.62%			
59) Chlorobenzene-d5	9.337	117	243108	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 99.78%			
79) 1,4-Dichlorobenzene-d4	12.081	152	133775	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 98.21%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.036	113	81997	9.743	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.43%			
43) 1,2-Dichloroethane-d4	5.544	65	83664	9.899	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.99%			
60) Toluene-d8	7.502	98	310482	10.236	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.36%			
83) 4-Bromofluorobenzene	10.851	95	118025	10.194	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.94%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	10894	1.280	ug/L	98
3) Chloromethane	1.771	50	19735	1.939	ug/L	99
4) Vinyl chloride	1.838	62	17791	1.703	ug/L	97
5) Bromomethane	2.131	94	13648	1.890	ug/L	97
6) Chloroethane	2.239	64	15379	1.920	ug/L	98
7) Trichlorofluoromethane	2.371	101	20480	1.361	ug/L	99
8) Ethyl ether	2.658	74	9713	1.929	ug/L	96
10) 1,1-Dichloroethene	2.833	96	15373	1.670	ug/L	94
11) Carbon disulfide	2.864	76	48097	1.767	ug/L	99
12) Freon-113	2.872	101	10510M3	1.260	ug/L	
13) Iodomethane	2.967	142	17194	1.536	ug/L	99
14) Acrolein	3.163	56	1586	1.847	ug/L	97
15) Methylene chloride	3.372	84	16099	1.930	ug/L	97
17) Acetone	3.439	43	3252M3	2.141	ug/L	
18) trans-1,2-Dichloroethene	3.522	96	15579	1.850	ug/L	98
19) Methyl acetate	3.550	43	6912	1.875	ug/L #	88
20) Methyl tert-butyl ether	3.625	73	35306	1.840	ug/L	98
21) tert-Butyl alcohol	3.737	59	4017	9.168	ug/L #	84
22) Diisopropyl ether	3.971	45	47473	1.856	ug/L	100
23) 1,1-Dichloroethane	4.086	63	28367	1.881	ug/L	99
24) Halothane	4.144	117	10229	1.630	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A06.D
Acq On : 5 Jun 2025 3:14 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG2075731,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 07:24:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.147	53	2873M1	1.789	ug/L		
26) Ethyl tert-butyl ether	4.309	59	42931	1.860	ug/L		98
27) Vinyl acetate	4.328	43	23870	2.373	ug/L		97
28) cis-1,2-Dichloroethene	4.596	96	17301	1.885	ug/L		98
29) 2,2-Dichloropropane	4.691	77	21304	1.861	ug/L		99
30) Bromochloromethane	4.788	128	8120	1.968	ug/L		98
31) Cyclohexane	4.797	56	17354	1.270	ug/L		97
32) Chloroform	4.861	83	26358	1.856	ug/L	#	95
33) Ethyl acetate	4.981	43	9846	1.892	ug/L	#	84
34) Carbon tetrachloride	4.986	117	18356	1.614	ug/L	#	90
35) Tetrahydrofuran	5.023	42	3391M1	2.220	ug/L		
37) 1,1,1-Trichloroethane	5.053	97	21885	1.738	ug/L		98
39) 2-Butanone	5.168	43	2629M1	1.483	ug/L		
40) 1,1-Dichloropropene	5.176	75	16783	1.621	ug/L		99
41) Benzene	5.413	78	58965	1.890	ug/L	#	94
42) tert-Amyl methyl ether	5.527	73	35675	1.808	ug/L		96
44) 1,2-Dichloroethane	5.622	62	17793	1.928	ug/L		97
47) Methyl cyclohexane	5.993	83	16208	1.223	ug/L		96
48) Trichloroethene	6.012	95	15803	1.763	ug/L		98
50) Dibromomethane	6.450	93	8062M3	1.850	ug/L		
51) 1,2-Dichloropropane	6.542	63	15399	1.843	ug/L		99
53) 2-Chloroethyl vinyl ether	7.259	63	697M3	1.223	ug/L		
54) Bromodichloromethane	6.623	83	20526	1.881	ug/L	#	97
57) 1,4-Dioxane	6.830	88	15213	371.817	ug/L	#	94
58) cis-1,3-Dichloropropene	7.306	75	23693	1.889	ug/L		97
61) Toluene	7.563	92	37959	1.895	ug/L		98
62) 4-Methyl-2-pentanone	8.004	58	3101M1	1.810	ug/L		
63) Tetrachloroethene	8.006	166	16048	1.797	ug/L		99
65) trans-1,3-Dichloropropene	8.057	75	18455	1.894	ug/L		95
67) Ethyl methacrylate	8.243	69	11800	1.654	ug/L		86
68) 1,1,2-Trichloroethane	8.229	83	9646	1.956	ug/L		95
69) Chlorodibromomethane	8.441	129	14531	1.845	ug/L		99
70) 1,3-Dichloropropane	8.547	76	18662	1.903	ug/L		99
71) 1,2-Dibromoethane	8.715	107	10949M1	1.892	ug/L		
72) 2-Hexanone	9.016	43	4758M1	1.525	ug/L		
73) Chlorobenzene	9.362	112	43346	1.873	ug/L		95
74) Ethylbenzene	9.401	91	71028	1.838	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.437	131	16108	1.898	ug/L		95
76) p/m Xylene	9.582	106	57591	3.695	ug/L		99
77) o Xylene	10.131	106	55731	3.645	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A06.D
Acq On : 5 Jun 2025 3:14 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG2075731,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 07:24:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
78)	Styrene	10.204	104	83921	3.435	ug/L		97
80)	Bromoform	10.229	173	8491	1.778	ug/L		99
82)	Isopropylbenzene	10.522	105	68858	1.799	ug/L		100
84)	Bromobenzene	10.968	156	17816	1.908	ug/L		99
85)	n-Propylbenzene	11.015	91	77129	1.770	ug/L		100
86)	1,4-Dichlorobutane	11.026	55	18715	1.881	ug/L		99
87)	1,1,2,2-Tetrachloroethane	11.110	83	12532	1.866	ug/L		98
88)	4-Ethyltoluene	11.146	105	65625	1.790	ug/L		100
89)	2-Chlorotoluene	11.183	91	49439M1	1.910	ug/L		
90)	1,3,5-Trimethylbenzene	11.241	105	57207	1.828	ug/L		100
91)	1,2,3-Trichloropropane	11.244	75	9472M1	1.836	ug/L		
92)	trans-1,4-Dichloro-2-b...	11.308	53	2912	1.885	ug/L	#	82
93)	4-Chlorotoluene	11.372	91	48667	1.859	ug/L		99
94)	tert-Butylbenzene	11.584	119	47162	1.783	ug/L		99
97)	1,2,4-Trimethylbenzene	11.665	105	55429	1.837	ug/L		99
98)	sec-Butylbenzene	11.779	105	60602	1.617	ug/L		99
99)	p-Isopropyltoluene	11.938	119	54750	1.708	ug/L		99
100)	1,3-Dichlorobenzene	12.005	146	31758	1.848	ug/L		100
101)	1,4-Dichlorobenzene	12.097	146	34125	1.930	ug/L		96
102)	p-Diethylbenzene	12.312	119	31012	1.697	ug/L		98
103)	n-Butylbenzene	12.371	91	41835	1.646	ug/L		99
104)	1,2-Dichlorobenzene	12.521	146	28227	1.852	ug/L		100
105)	1,2,4,5-Tetramethylben...	13.115	119	46020	1.786	ug/L		99
106)	1,2-Dibromo-3-chloropr...	13.310	155	1694	1.796	ug/L		94
107)	1,3,5-Trichlorobenzene	13.338	180	19083	1.898	ug/L		96
108)	Hexachlorobutadiene	13.913	225	6470	1.728	ug/L		96
109)	1,2,4-Trichlorobenzene	13.943	180	15131	1.835	ug/L		97
110)	Naphthalene	14.236	128	27583	1.851	ug/L		100
111)	1,2,3-Trichlorobenzene	14.406	180	11532	1.830	ug/L		99

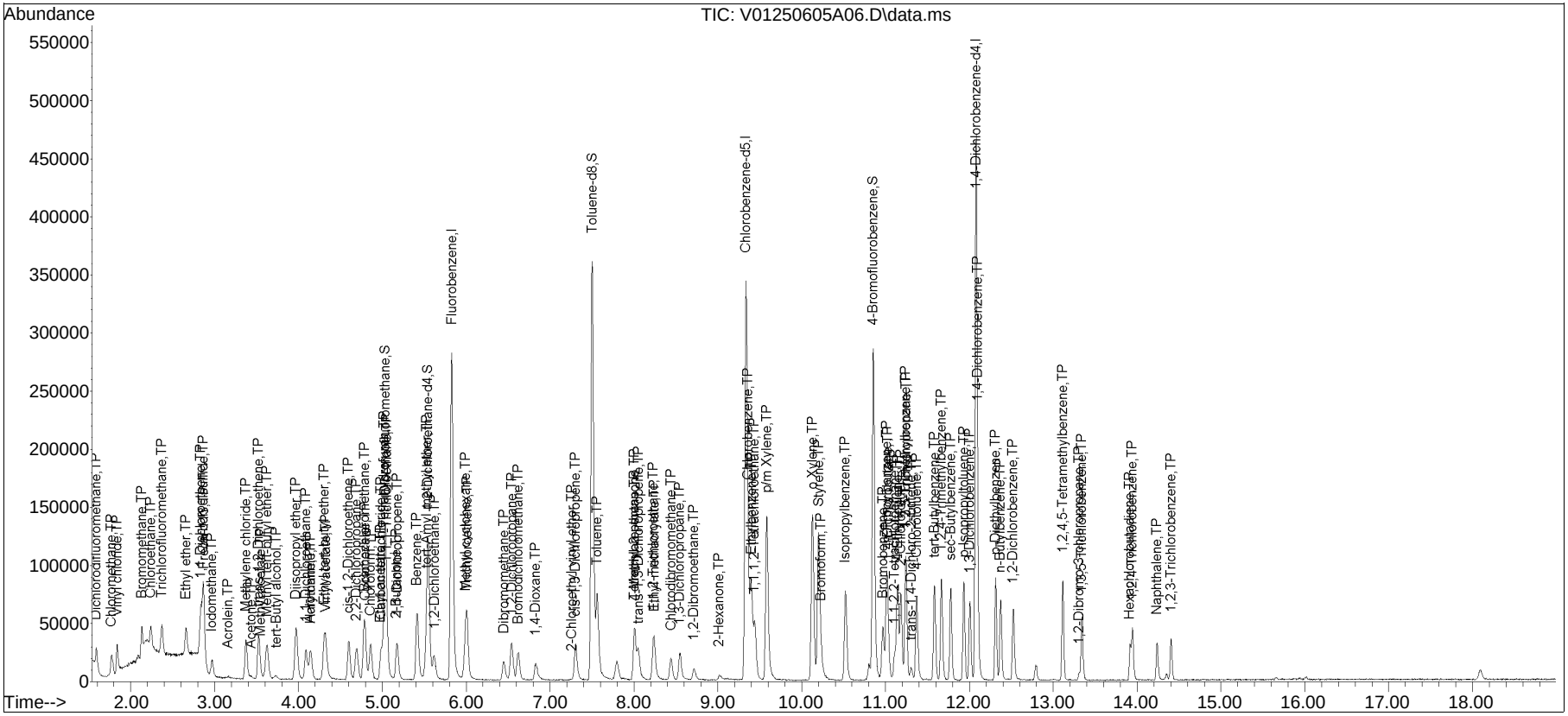
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A06.D
Acq On : 5 Jun 2025 3:14 pm
Operator : VOA101:PID
Sample : I8260STD2PPB
Misc : WG2075731,ICAL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 07:24:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

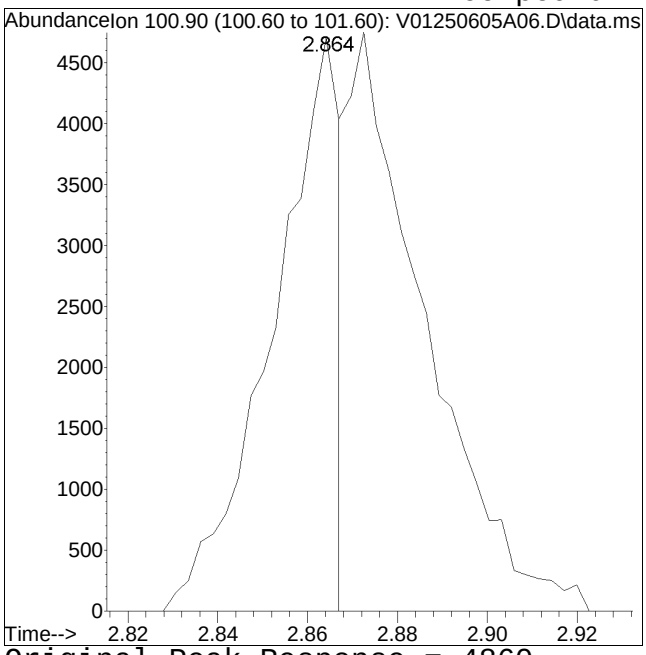


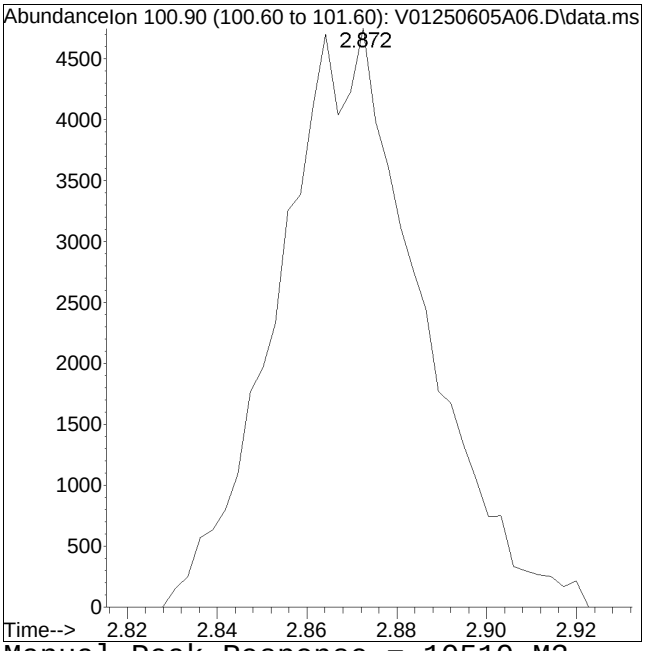
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A06.D
Date Inj'd : 6/5/2025 3:14 pm
Sample : I8260STD2PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #12: Freon-113





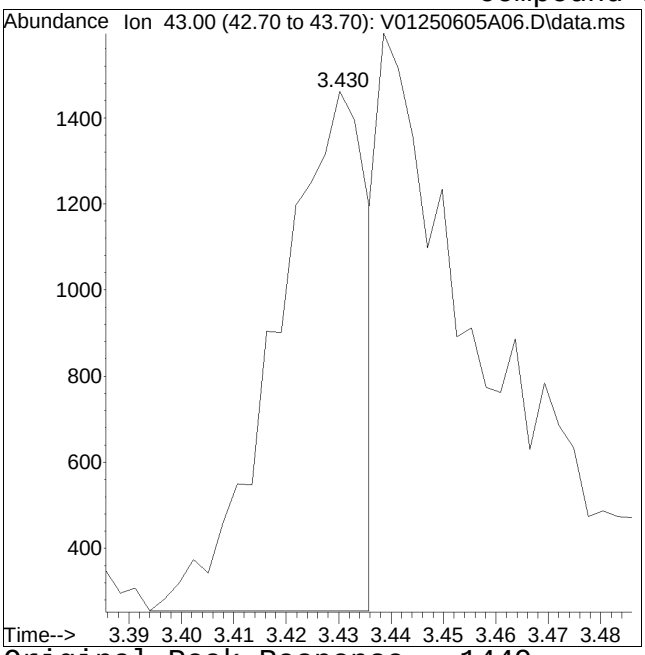
Original Peak Response = 4860 Manual Peak Response = 10510 M3

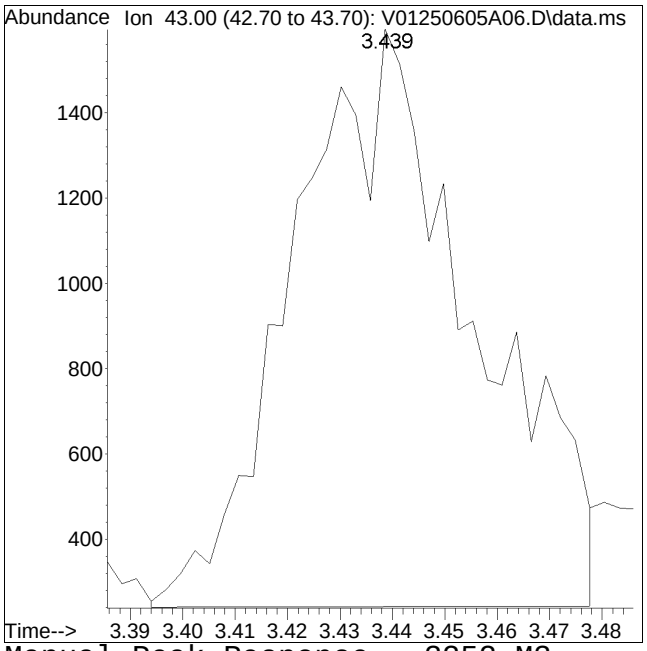
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #17: Acetone





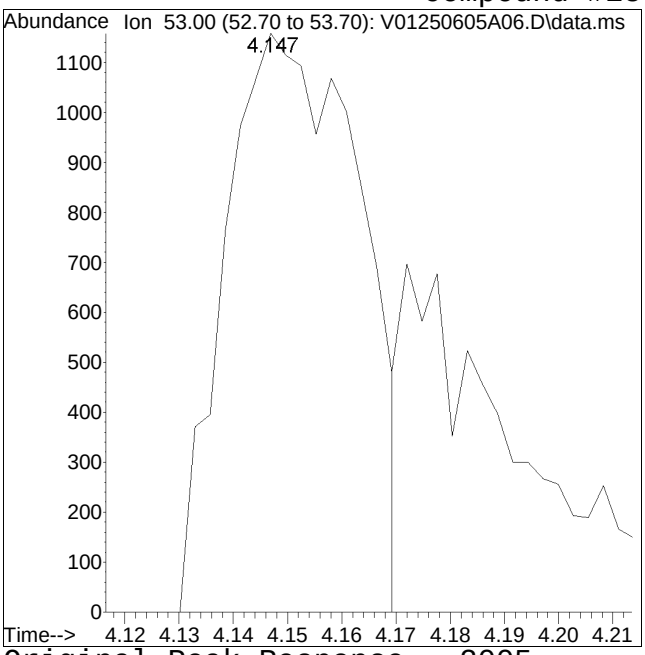
Original Peak Response = 1449 Manual Peak Response = 3252 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

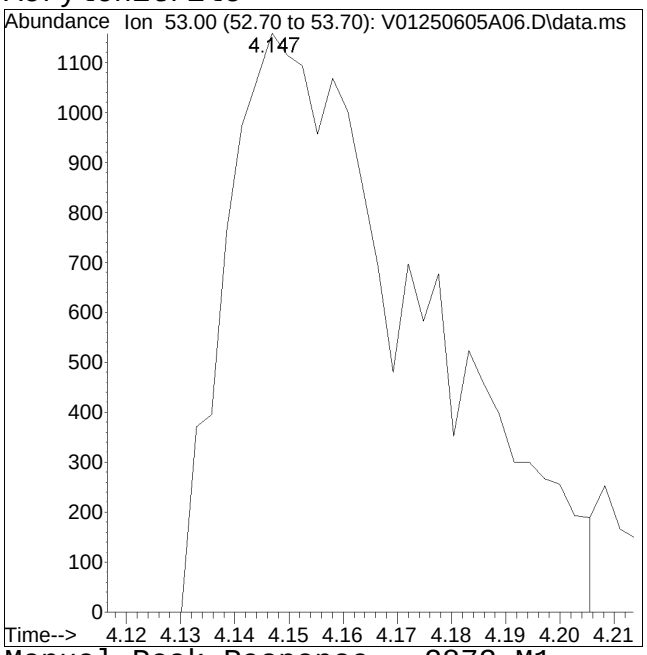
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #25: Acrylonitrile



Original Peak Response = 2005



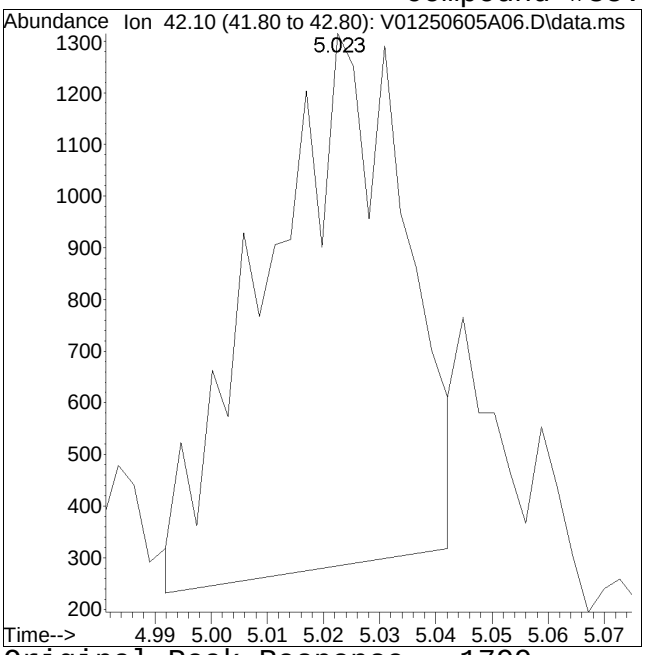
Manual Peak Response = 2873 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

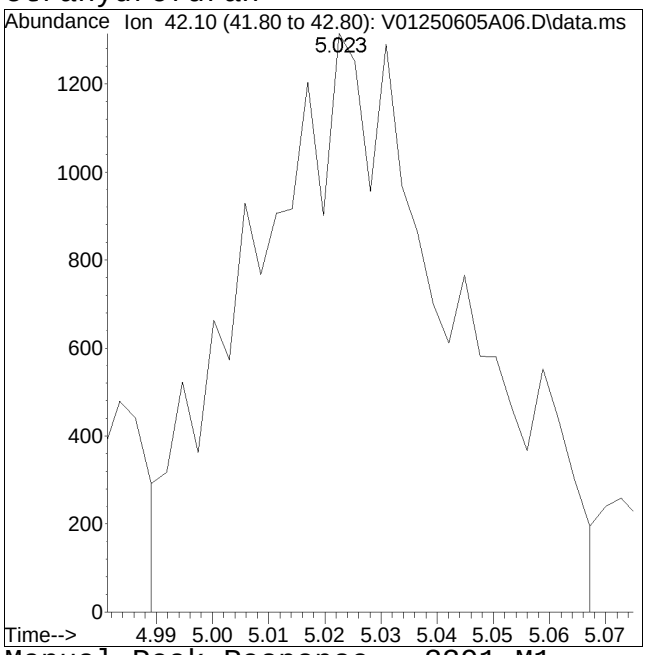
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran



Original Peak Response = 1799



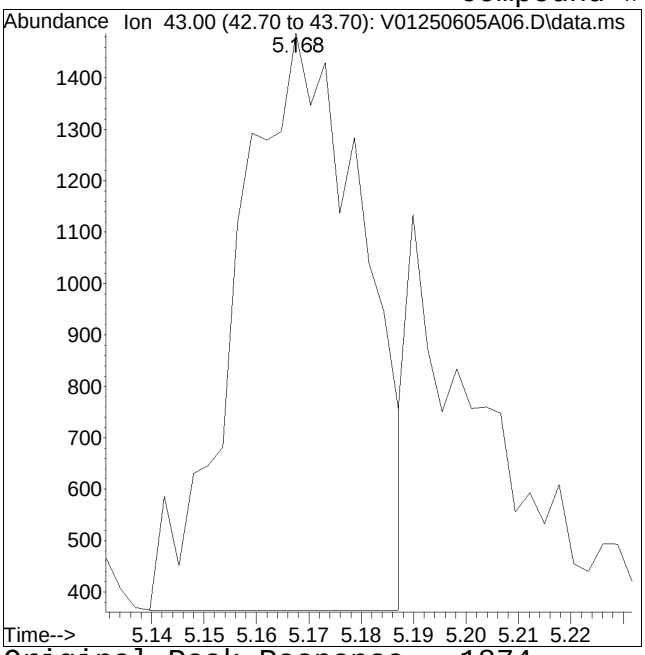
Manual Peak Response = 3391 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

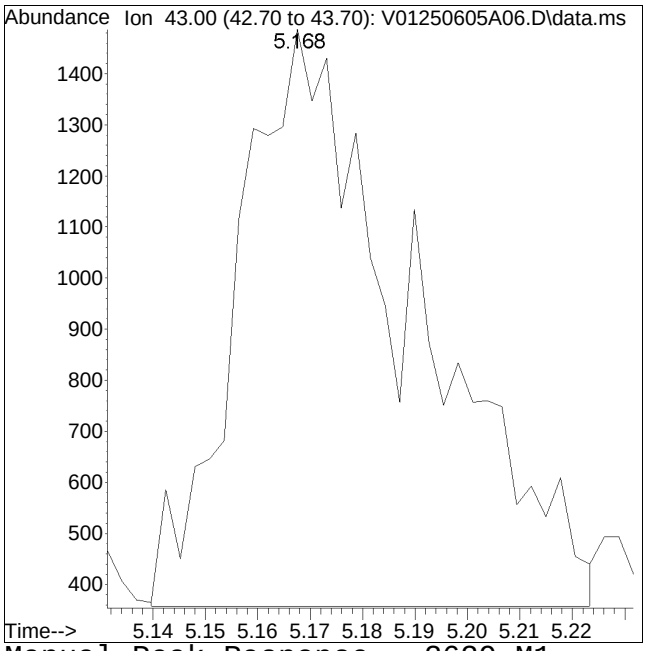
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #39: 2-Butanone



Original Peak Response = 1874



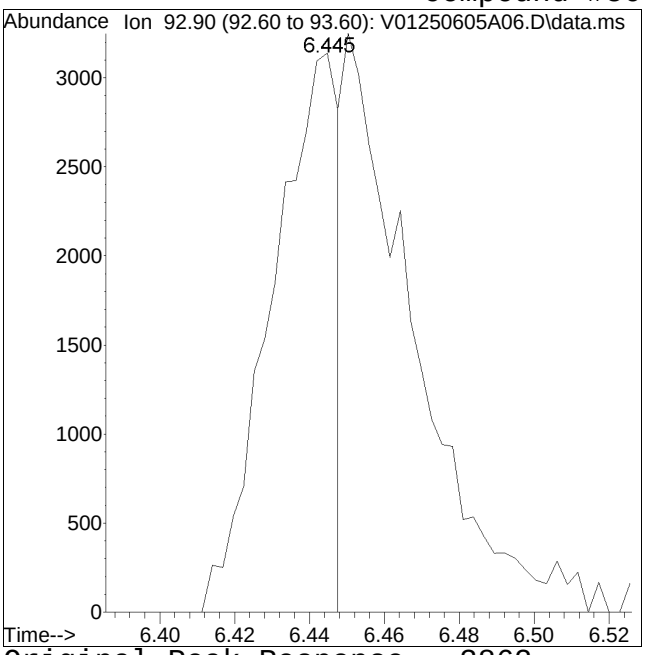
Manual Peak Response = 2629 M1

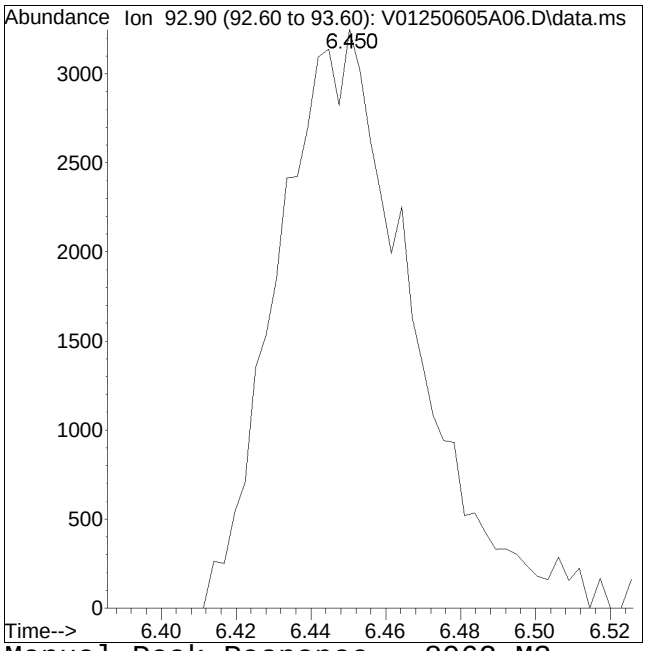
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #50: Dibromomethane





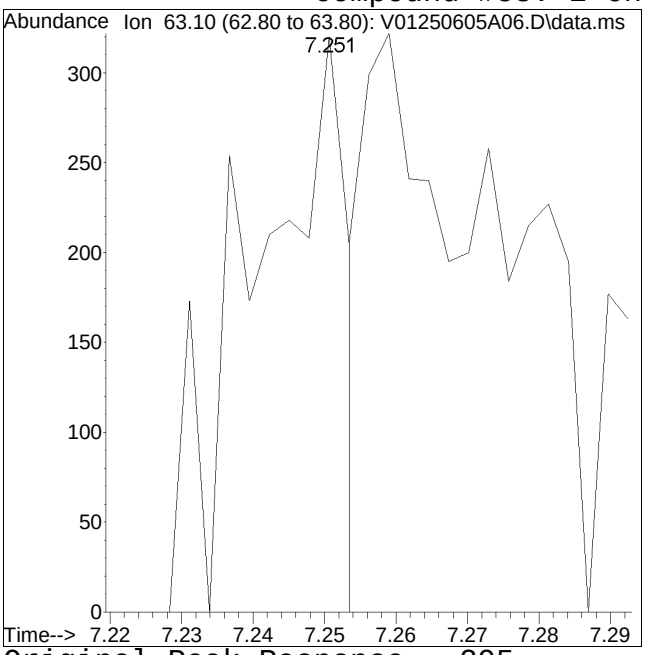
Original Peak Response = 3862 Manual Peak Response = 8062 M3

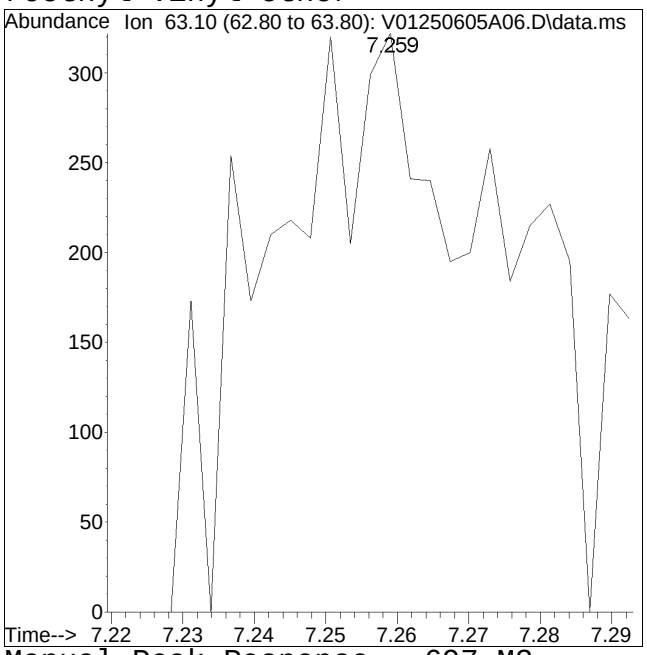
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #53: 2-Chloroethyl vinyl ether





Original Peak Response = 295 Manual Peak Response = 697 M3

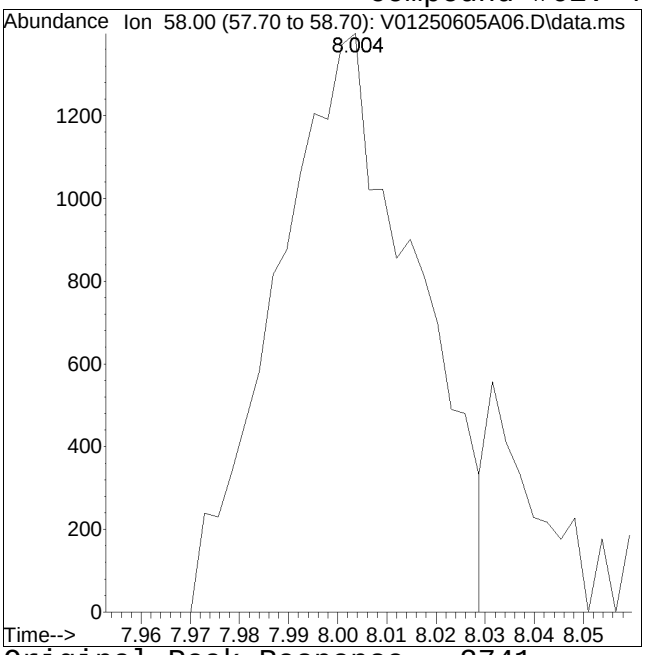
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

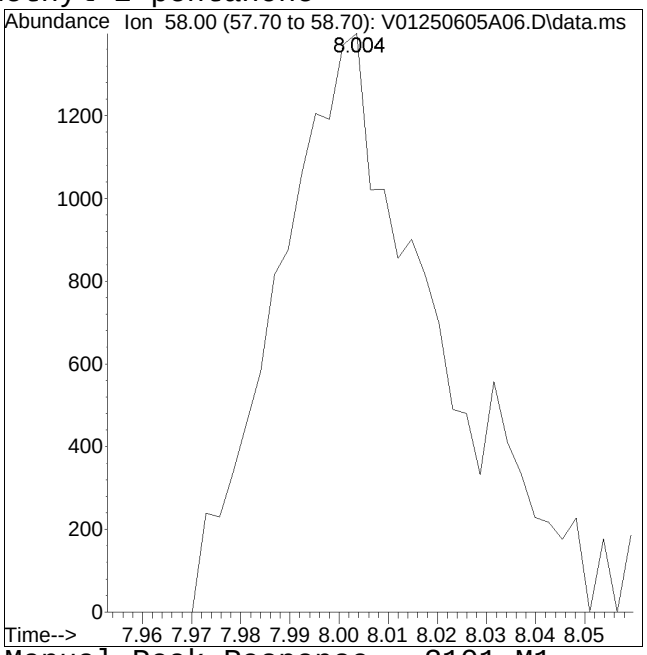
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A06.D
Date Inj'd : 6/5/2025 3:14 pm
Sample : I8260STD2PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #62: 4-Methyl-2-pentanone



Original Peak Response = 2741



Manual Peak Response = 3101 M1

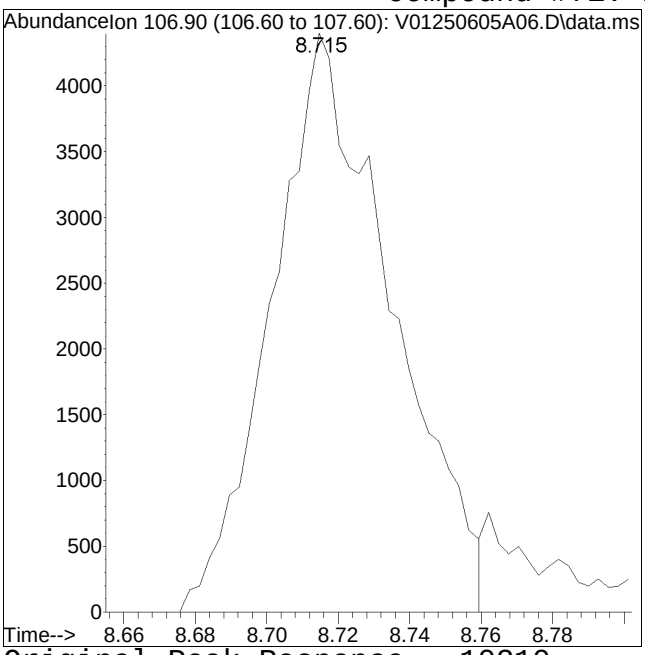
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

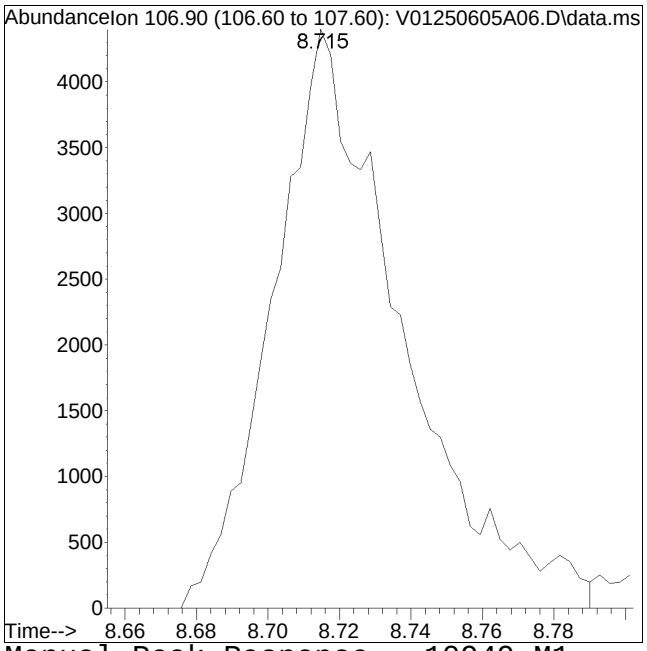
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A06.D
Date Inj'd : 6/5/2025 3:14 pm
Sample : I8260STD2PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #71: 1,2-Dibromoethane



Original Peak Response = 10210



Manual Peak Response = 10949 M1

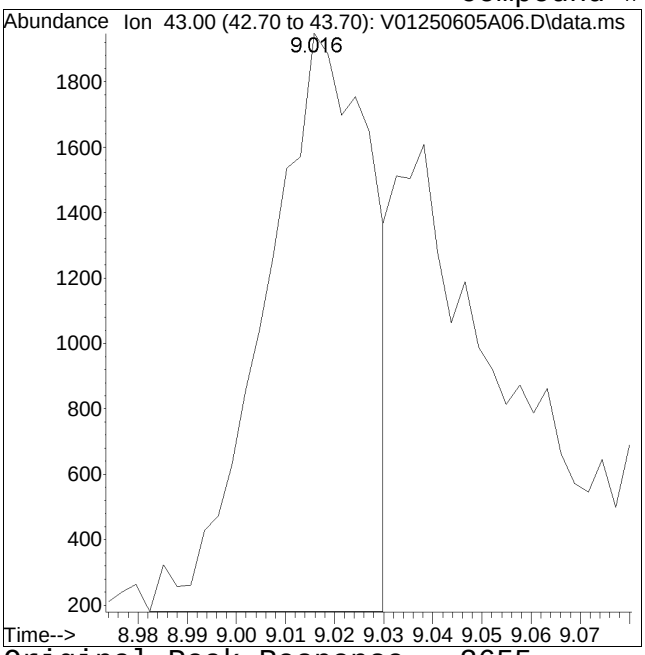
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

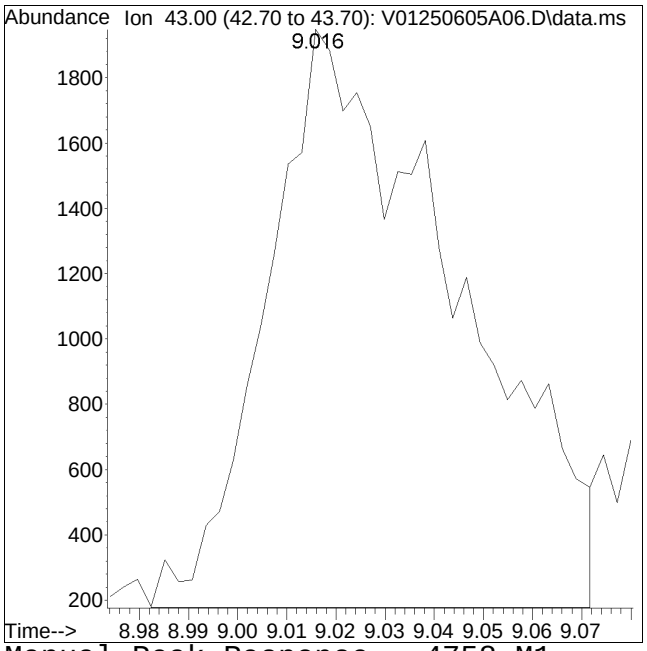
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A06.D
Date Inj'd : 6/5/2025 3:14 pm
Sample : I8260STD2PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #72: 2-Hexanone



Original Peak Response = 2655



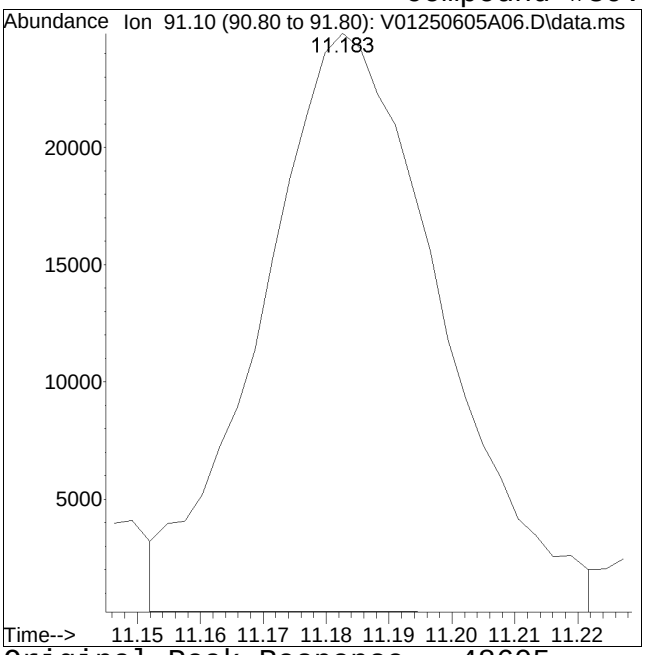
Manual Peak Response = 4758 M1

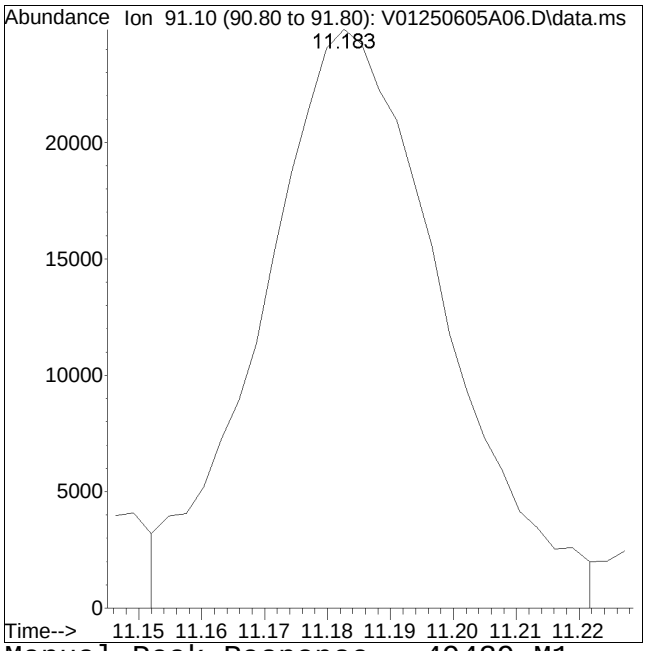
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene



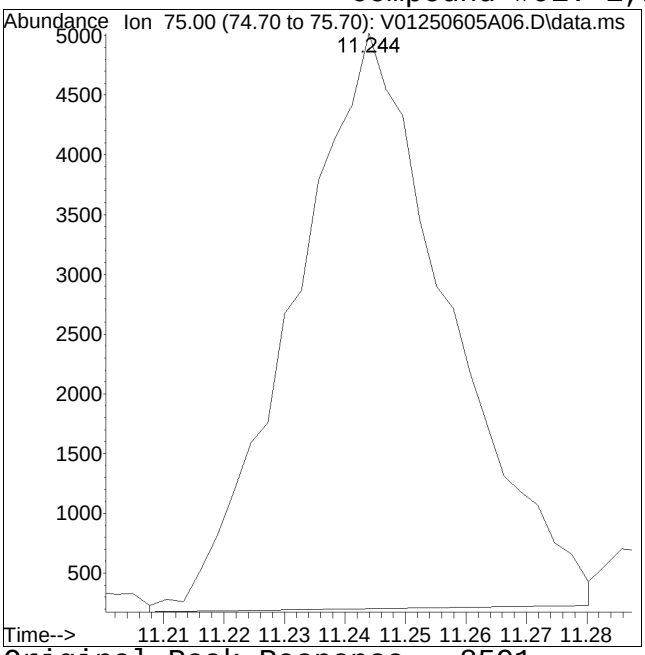


Original Peak Response = 48605 Manual Peak Response = 49439 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

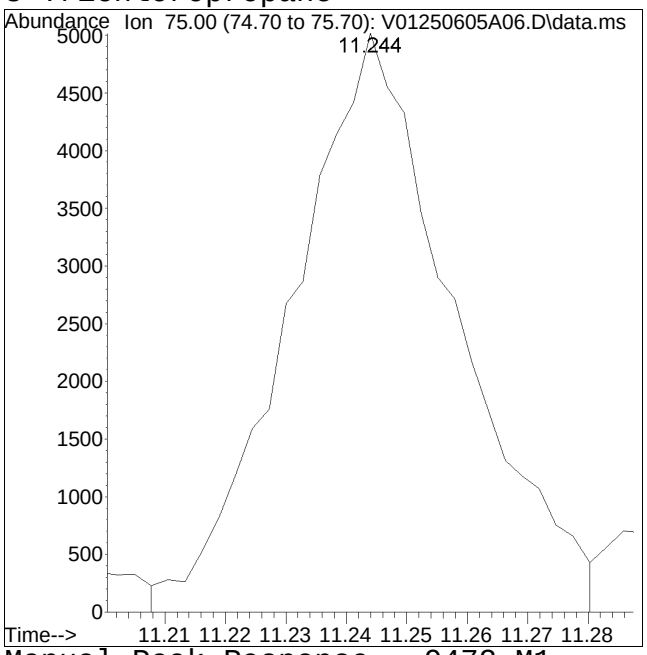
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A06.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 3:14 pm Instrument : VOA 101
Sample : I8260STD2PPB Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 8591



Manual Peak Response = 9472 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A08.D
Acq On : 5 Jun 2025 4:08 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 07:24:22 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	310005	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 100.00%			
59) Chlorobenzene-d5	9.337	117	243650	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.078	152	136217	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	83214	9.949	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.49%			
43) 1,2-Dichloroethane-d4	5.547	65	81588	9.714	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.14%			
60) Toluene-d8	7.499	98	309461	10.180	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.80%			
83) 4-Bromofluorobenzene	10.854	95	117390	9.957	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	85094	10.057	ug/L	100
3) Chloromethane	1.771	50	100898	9.975	ug/L	100
4) Vinyl chloride	1.835	62	105628	10.175	ug/L	100
5) Bromomethane	2.131	94	61491	8.568	ug/L	100
6) Chloroethane	2.239	64	78941	9.917	ug/L	100
7) Trichlorofluoromethane	2.368	101	148213	9.912	ug/L	100
8) Ethyl ether	2.658	74	50549	10.104	ug/L	100
10) 1,1-Dichloroethene	2.833	96	86739	9.479	ug/L	100
11) Carbon disulfide	2.867	76	272715	10.080	ug/L	100
12) Freon-113	2.870	101	87234	10.521	ug/L	100
13) Iodomethane	2.967	142	107576	9.670	ug/L	100
14) Acrolein	3.157	56	8010	9.385	ug/L	100
15) Methylene chloride	3.372	84	83176	10.032	ug/L	100
17) Acetone	3.422	43	13845	9.170	ug/L	100
18) trans-1,2-Dichloroethene	3.519	96	81946	9.792	ug/L	100
19) Methyl acetate	3.536	43	33944	9.266	ug/L	100
20) Methyl tert-butyl ether	3.620	73	193073	10.122	ug/L	100
21) tert-Butyl alcohol	3.723	59	22441	51.537	ug/L	100
22) Diisopropyl ether	3.968	45	254612	10.018	ug/L	100
23) 1,1-Dichloroethane	4.086	63	149550	9.977	ug/L	100
24) Halothane	4.138	117	61552	9.872	ug/L	100

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A08.D
Acq On : 5 Jun 2025 4:08 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 07:24:22 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Acrylonitrile	4.136	53	16349	10.245	ug/L	100
26) Ethyl tert-butyl ether	4.309	59	231328	10.087	ug/L	100
27) Vinyl acetate	4.320	43	121074	12.111	ug/L	100
28) cis-1,2-Dichloroethene	4.599	96	93427	10.243	ug/L	100
29) 2,2-Dichloropropane	4.693	77	112477	9.884	ug/L	100
30) Bromochloromethane	4.783	128	42807	10.437	ug/L	100
31) Cyclohexane	4.785	56	135005	9.939	ug/L	100
32) Chloroform	4.858	83	141955	10.056	ug/L	100
33) Ethyl acetate	4.972	43	49011	9.476	ug/L	100
34) Carbon tetrachloride	4.986	117	116394	10.299	ug/L	100
35) Tetrahydrofuran	5.017	42	15342M4	10.105	ug/L	
37) 1,1,1-Trichloroethane	5.050	97	124642	9.960	ug/L	100
39) 2-Butanone	5.154	43	17535	9.950	ug/L	100
40) 1,1-Dichloropropene	5.173	75	103339	10.045	ug/L	100
41) Benzene	5.410	78	315716	10.180	ug/L	100
42) tert-Amyl methyl ether	5.524	73	198337	10.112	ug/L	100
44) 1,2-Dichloroethane	5.614	62	96048	10.470	ug/L	100
47) Methyl cyclohexane	5.993	83	132021	10.025	ug/L	100
48) Trichloroethene	6.007	95	87462	9.815	ug/L	100
50) Dibromomethane	6.445	93	43931	10.142	ug/L	100
51) 1,2-Dichloropropane	6.537	63	83395	10.045	ug/L	100
53) 2-Chloroethyl vinyl ether	7.242	63	5537	9.775	ug/L	100
54) Bromodichloromethane	6.618	83	109968	10.142	ug/L	100
57) 1,4-Dioxane	6.827	88	22947	564.319	ug/L	100
58) cis-1,3-Dichloropropene	7.295	75	126803	10.174	ug/L	100
61) Toluene	7.557	92	207362	10.328	ug/L	100
62) 4-Methyl-2-pentanone	7.992	58	18596	10.833	ug/L	100
63) Tetrachloroethene	8.006	166	93522	10.447	ug/L	100
65) trans-1,3-Dichloropropene	8.045	75	102985	10.544	ug/L	100
67) Ethyl methacrylate	8.232	69	76458	10.692	ug/L	100
68) 1,1,2-Trichloroethane	8.227	83	50189	10.152	ug/L	100
69) Chlorodibromomethane	8.439	129	81618	10.337	ug/L	100
70) 1,3-Dichloropropane	8.542	76	103143	10.496	ug/L	100
71) 1,2-Dibromoethane	8.709	107	59848	10.317	ug/L	100
72) 2-Hexanone	9.002	43	29277	9.365	ug/L	100
73) Chlorobenzene	9.359	112	240301	10.360	ug/L	100
74) Ethylbenzene	9.395	91	393379	10.155	ug/L	100
75) 1,1,1,2-Tetrachloroethane	9.440	131	88207	10.368	ug/L	100
76) p/m Xylene	9.579	106	318913	20.415	ug/L	100
77) o Xylene	10.129	106	311166	20.306	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A08.D
Acq On : 5 Jun 2025 4:08 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 07:24:22 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.198	104	492050	20.098	ug/L	100
80) Bromoform	10.221	173	49101	10.100	ug/L	100
82) Isopropylbenzene	10.519	105	393373	10.095	ug/L	100
84) Bromobenzene	10.965	156	98431	10.351	ug/L	100
85) n-Propylbenzene	11.012	91	442552	9.975	ug/L	100
86) 1,4-Dichlorobutane	11.026	55	101287	9.998	ug/L	100
87) 1,1,2,2-Tetrachloroethane	11.105	83	69199	10.121	ug/L	100
88) 4-Ethyltoluene	11.138	105	378798	10.149	ug/L	100
89) 2-Chlorotoluene	11.183	91	265645M1	10.079	ug/L	
90) 1,3,5-Trimethylbenzene	11.241	105	317997	9.982	ug/L	100
91) 1,2,3-Trichloropropane	11.241	75	53583M1	10.203	ug/L	
92) trans-1,4-Dichloro-2-b...	11.297	53	16704M4	10.619	ug/L	
93) 4-Chlorotoluene	11.367	91	265940	9.974	ug/L	100
94) tert-Butylbenzene	11.584	119	268307	9.960	ug/L	100
97) 1,2,4-Trimethylbenzene	11.665	105	307491	10.009	ug/L	100
98) sec-Butylbenzene	11.777	105	378372	9.912	ug/L	100
99) p-Isopropyltoluene	11.933	119	324959	9.953	ug/L	100
100) 1,3-Dichlorobenzene	12.002	146	177464	10.142	ug/L	100
101) 1,4-Dichlorobenzene	12.094	146	179516	9.973	ug/L	100
102) p-Diethylbenzene	12.312	119	185689	9.976	ug/L	100
103) n-Butylbenzene	12.371	91	251853	9.733	ug/L	100
104) 1,2-Dichlorobenzene	12.521	146	157549	10.154	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.112	119	260147	9.914	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.310	155	9984	10.398	ug/L	100
107) 1,3,5-Trichlorobenzene	13.338	180	102674	10.030	ug/L	100
108) Hexachlorobutadiene	13.918	225	37639	9.870	ug/L	100
109) 1,2,4-Trichlorobenzene	13.943	180	84608	10.077	ug/L	100
110) Naphthalene	14.233	128	156952	10.343	ug/L	100
111) 1,2,3-Trichlorobenzene	14.403	180	64844	10.104	ug/L	100

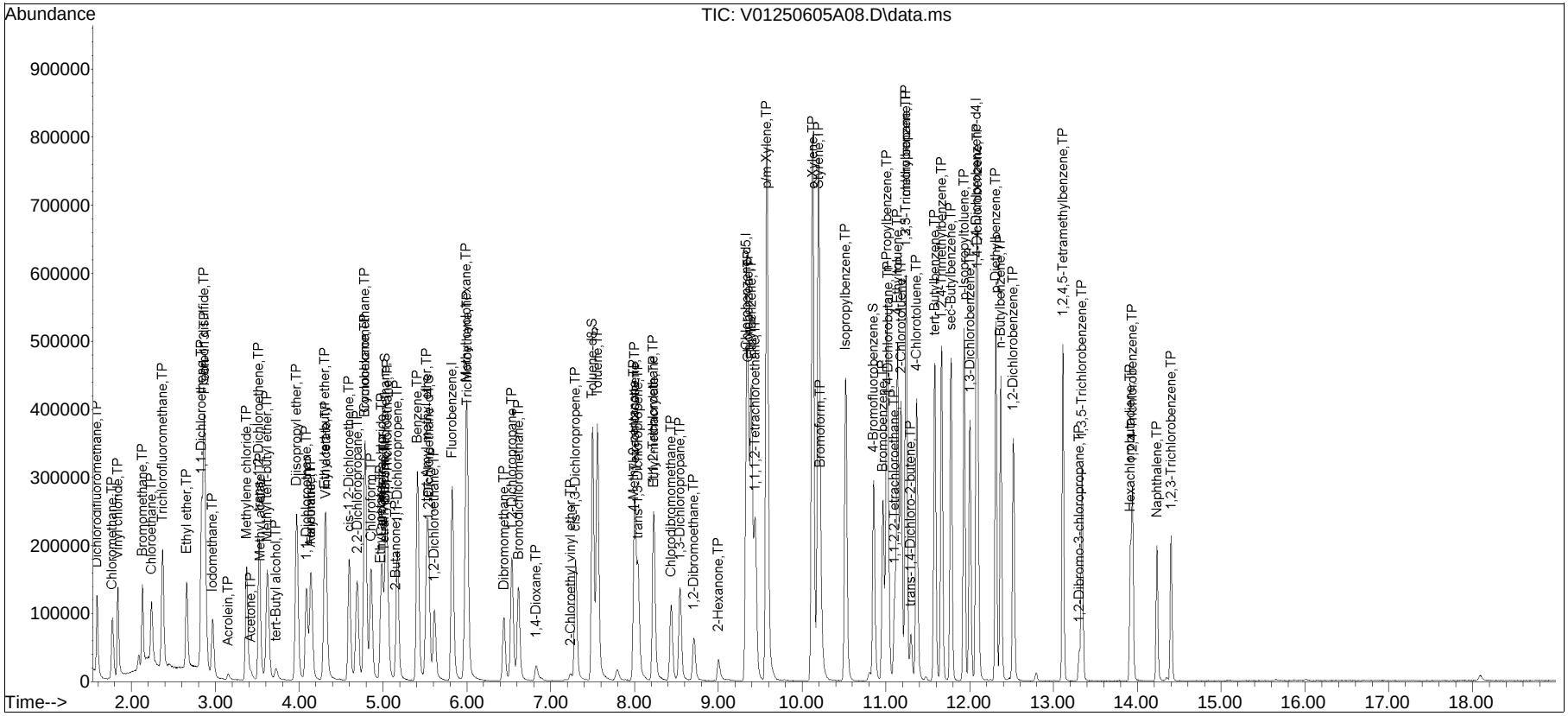
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A08.D
Acq On : 5 Jun 2025 4:08 pm
Operator : VOA101:PID
Sample : I8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 06 07:24:22 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

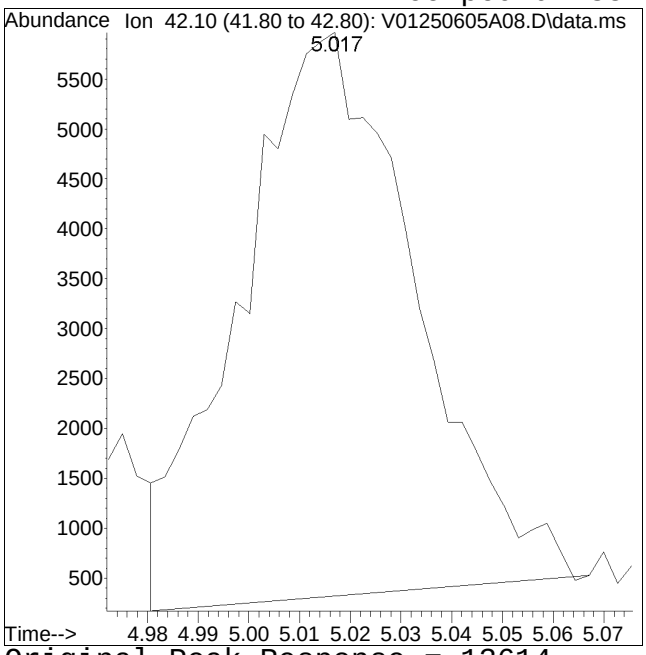
Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•



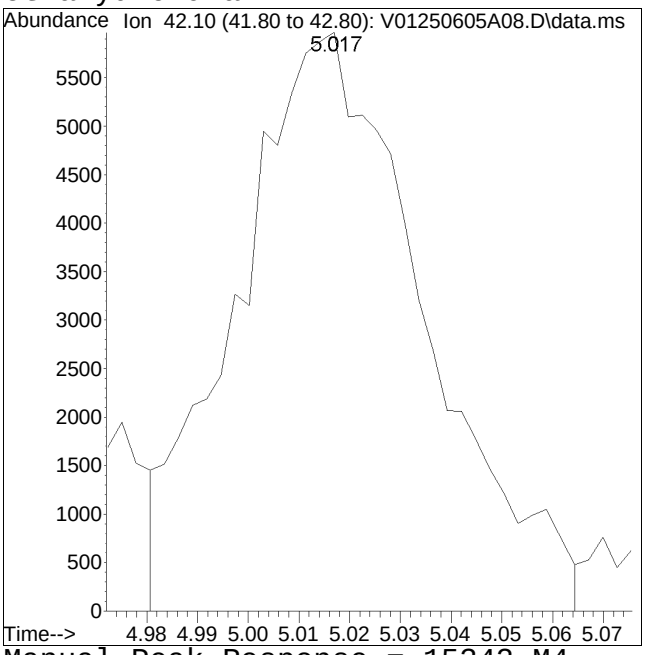
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A08.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 4:08 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran



Original Peak Response = 13614



Manual Peak Response = 15342 M4

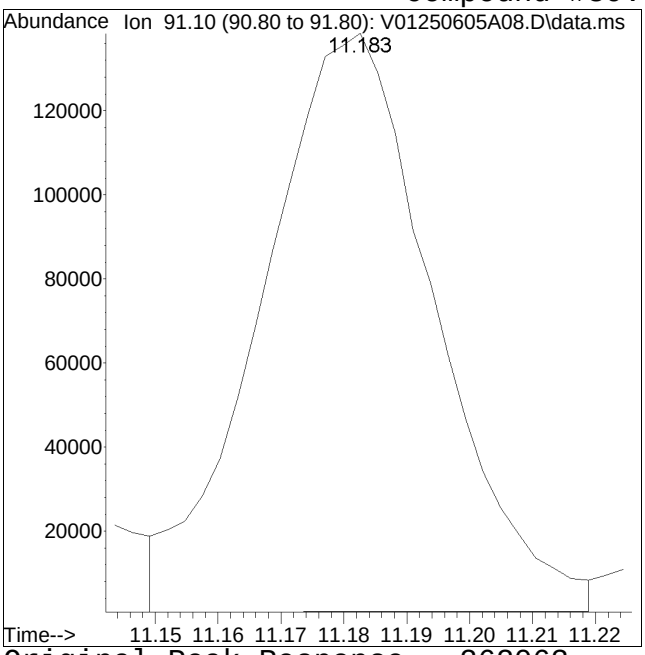
M4 = Poor automated baseline construction.

Manual Integration Report

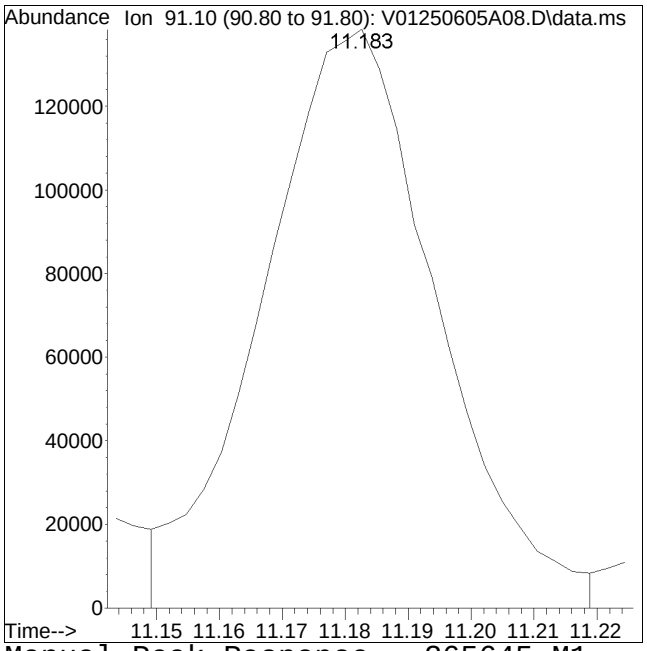
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A08.D
Date Inj'd : 6/5/2025 4:08 pm
Sample : I8260STD10PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 262063



Manual Peak Response = 265645 M1

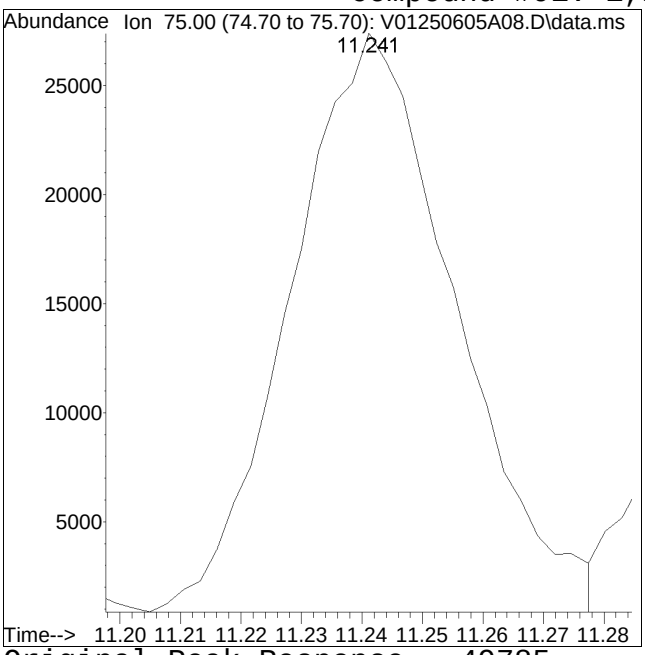
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

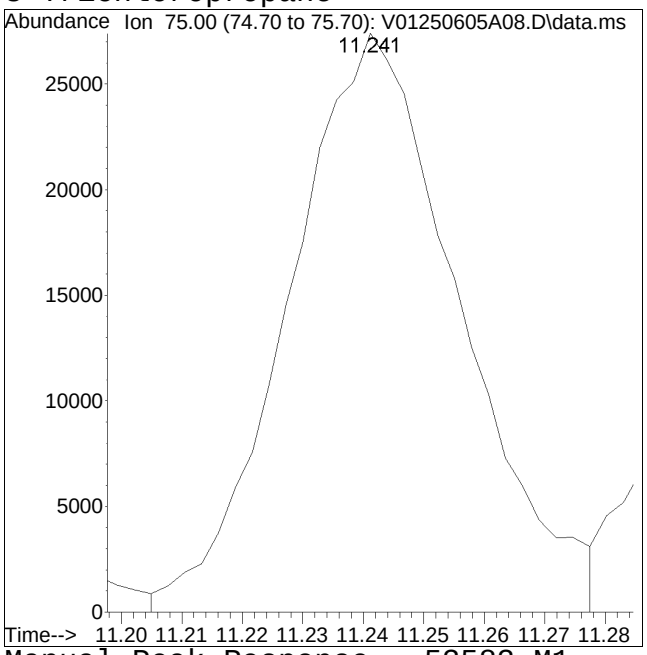
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A08.D
Date Inj'd : 6/5/2025 4:08 pm
Sample : I8260STD10PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 49785



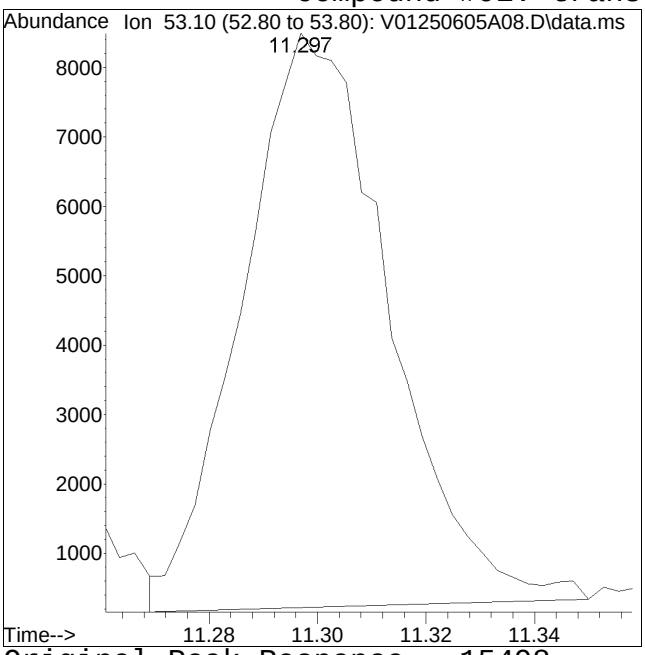
Manual Peak Response = 53583 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

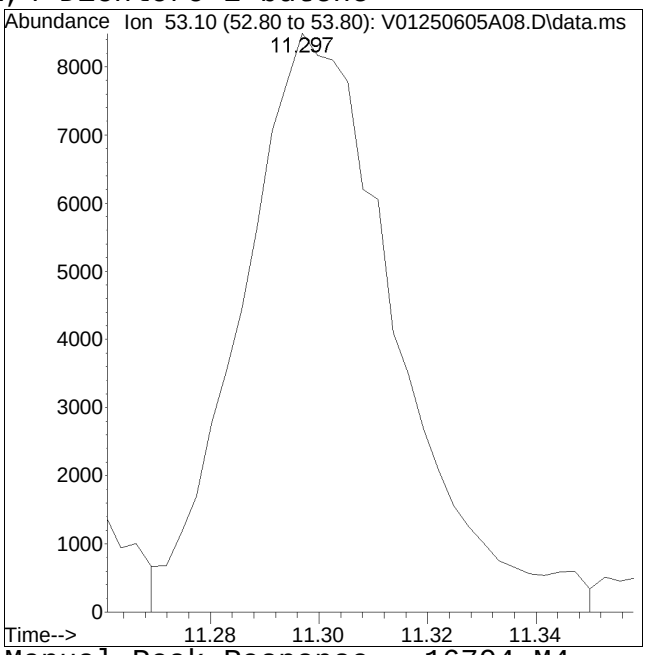
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A08.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 4:08 pm Instrument : VOA 101
Sample : I8260STD10PPB Quant Date : 6/6/2025 7:24 am

Compound #92: trans-1,4-Dichloro-2-butene



Original Peak Response = 15498



Manual Peak Response = 16704 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A09.D
Acq On : 5 Jun 2025 4:35 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG2075731,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 07:24:29 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	312673	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 100.86%			
59) Chlorobenzene-d5	9.334	117	247318	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 101.51%			
79) 1,4-Dichlorobenzene-d4	12.081	152	138726	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 101.84%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	83419	9.889	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.89%			
43) 1,2-Dichloroethane-d4	5.547	65	83440	9.849	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.49%			
60) Toluene-d8	7.502	98	312134	10.116	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.16%			
83) 4-Bromofluorobenzene	10.854	95	121046	10.082	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.82%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	281192	32.948	ug/L	100
3) Chloromethane	1.771	50	298787	29.286	ug/L	100
4) Vinyl chloride	1.838	62	328983	31.419	ug/L	99
5) Bromomethane	2.131	94	188487	26.038	ug/L	100
6) Chloroethane	2.240	64	235930	29.387	ug/L	99
7) Trichlorofluoromethane	2.371	101	490446	32.519	ug/L	99
8) Ethyl ether	2.661	74	149354	29.598	ug/L	98
10) 1,1-Dichloroethene	2.834	96	273921	29.680	ug/L	99
11) Carbon disulfide	2.864	76	823453	30.176	ug/L	100
12) Freon-113	2.870	101	283094	33.852	ug/L	91
13) Iodomethane	2.967	142	360338	32.114	ug/L	100
14) Acrolein	3.154	56	24135	28.038	ug/L #	24
15) Methylene chloride	3.372	84	243325	29.097	ug/L	99
17) Acetone	3.419	43	38096	25.016	ug/L	99
18) trans-1,2-Dichloroethene	3.520	96	252631	29.930	ug/L	98
19) Methyl acetate	3.534	43	102918	27.854	ug/L	100
20) Methyl tert-butyl ether	3.620	73	592471	30.796	ug/L	99
21) tert-Butyl alcohol	3.720	59	70593	160.739	ug/L #	88
22) Diisopropyl ether	3.969	45	767068	29.924	ug/L	100
23) 1,1-Dichloroethane	4.086	63	455237	30.112	ug/L	99
24) Halothane	4.139	117	192993	30.689	ug/L	99

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A09.D
Acq On : 5 Jun 2025 4:35 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG2075731,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 07:24:29 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.133	53	51875	32.229	ug/L		97
26) Ethyl tert-butyl ether	4.309	59	697984	30.175	ug/L		95
27) Vinyl acetate	4.317	43	316493	31.388	ug/L		99
28) cis-1,2-Dichloroethene	4.596	96	275644	29.963	ug/L		100
29) 2,2-Dichloropropane	4.691	77	346920	30.225	ug/L		99
30) Bromochloromethane	4.783	128	127514	30.824	ug/L		99
31) Cyclohexane	4.788	56	452157	33.004	ug/L		99
32) Chloroform	4.858	83	423325	29.731	ug/L		99
33) Ethyl acetate	4.967	43	149380	28.635	ug/L		99
34) Carbon tetrachloride	4.986	117	370221	32.479	ug/L		98
35) Tetrahydrofuran	5.012	42	47283M1	30.878	ug/L		
37) 1,1,1-Trichloroethane	5.051	97	386343	30.608	ug/L		100
39) 2-Butanone	5.143	43	58629	32.983	ug/L		96
40) 1,1-Dichloropropene	5.171	75	325082	31.330	ug/L		99
41) Benzene	5.413	78	946345	30.255	ug/L		100
42) tert-Amyl methyl ether	5.525	73	607812	30.725	ug/L		99
44) 1,2-Dichloroethane	5.614	62	284596	30.758	ug/L		97
47) Methyl cyclohexane	5.990	83	442121	33.285	ug/L		99
48) Trichloroethene	6.002	95	262786	29.239	ug/L		99
50) Dibromomethane	6.437	93	134537	30.796	ug/L		99
51) 1,2-Dichloropropane	6.534	63	251905	30.082	ug/L		100
53) 2-Chloroethyl vinyl ether	7.229	63	19200	33.605	ug/L	#	83
54) Bromodichloromethane	6.612	83	331093	30.275	ug/L		99
57) 1,4-Dioxane	6.830	88	27212	663.495	ug/L		96
58) cis-1,3-Dichloropropene	7.298	75	390153	31.037	ug/L		98
61) Toluene	7.555	92	623651	30.602	ug/L		99
62) 4-Methyl-2-pentanone	7.987	58	58333	33.476	ug/L		100
63) Tetrachloroethene	8.007	166	292748	32.217	ug/L		99
65) trans-1,3-Dichloropropene	8.040	75	322875	32.568	ug/L		99
67) Ethyl methacrylate	8.232	69	237647	32.741	ug/L		99
68) 1,1,2-Trichloroethane	8.224	83	151856	30.261	ug/L		99
69) Chlorodibromomethane	8.436	129	253037	31.573	ug/L		99
70) 1,3-Dichloropropane	8.542	76	317504	31.829	ug/L		99
71) 1,2-Dibromoethane	8.709	107	187867	31.907	ug/L		97
72) 2-Hexanone	8.994	43	94171	29.675	ug/L	#	96
73) Chlorobenzene	9.356	112	720595	30.606	ug/L		100
74) Ethylbenzene	9.395	91	1210894	30.795	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.440	131	266506	30.862	ug/L		99
76) p/m Xylene	9.579	106	980900	61.860	ug/L		100
77) o Xylene	10.126	106	947612	60.922	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A09.D
Acq On : 5 Jun 2025 4:35 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG2075731,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 07:24:29 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.196	104	1576608	63.441	ug/L	99
80)	Bromoform	10.224	173	157068	31.723	ug/L	100
82)	Isopropylbenzene	10.519	105	1236237	31.151	ug/L	100
84)	Bromobenzene	10.963	156	297452	30.714	ug/L	99
85)	n-Propylbenzene	11.010	91	1409655	31.200	ug/L	100
86)	1,4-Dichlorobutane	11.027	55	311401	30.181	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.102	83	211972	30.442	ug/L	100
88)	4-Ethyltoluene	11.141	105	1189719	31.299	ug/L	99
89)	2-Chlorotoluene	11.180	91	829014M1	30.885	ug/L	
90)	1,3,5-Trimethylbenzene	11.239	105	1000497	30.836	ug/L	100
91)	1,2,3-Trichloropropane	11.239	75	164462M1	30.748	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.294	53	52426	32.725	ug/L	95
93)	4-Chlorotoluene	11.367	91	827333	30.468	ug/L	100
94)	tert-Butylbenzene	11.582	119	853094	31.096	ug/L	100
97)	1,2,4-Trimethylbenzene	11.662	105	965207	30.850	ug/L	99
98)	sec-Butylbenzene	11.777	105	1230748	31.658	ug/L	99
99)	p-Isopropyltoluene	11.936	119	1047549	31.505	ug/L	100
100)	1,3-Dichlorobenzene	12.000	146	550823	30.910	ug/L	100
101)	1,4-Dichlorobenzene	12.095	146	552209	30.123	ug/L	100
102)	p-Diethylbenzene	12.312	119	596203	31.453	ug/L	99
103)	n-Butylbenzene	12.368	91	834551	31.668	ug/L	98
104)	1,2-Dichlorobenzene	12.521	146	488087	30.888	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.113	119	821932	30.757	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.308	155	32316	33.047	ug/L	98
107)	1,3,5-Trichlorobenzene	13.338	180	324210	31.099	ug/L	99
108)	Hexachlorobutadiene	13.918	225	120467	31.019	ug/L	99
109)	1,2,4-Trichlorobenzene	13.941	180	268369	31.385	ug/L	99
110)	Naphthalene	14.231	128	503527	32.581	ug/L	100
111)	1,2,3-Trichlorobenzene	14.401	180	206482	31.592	ug/L	99

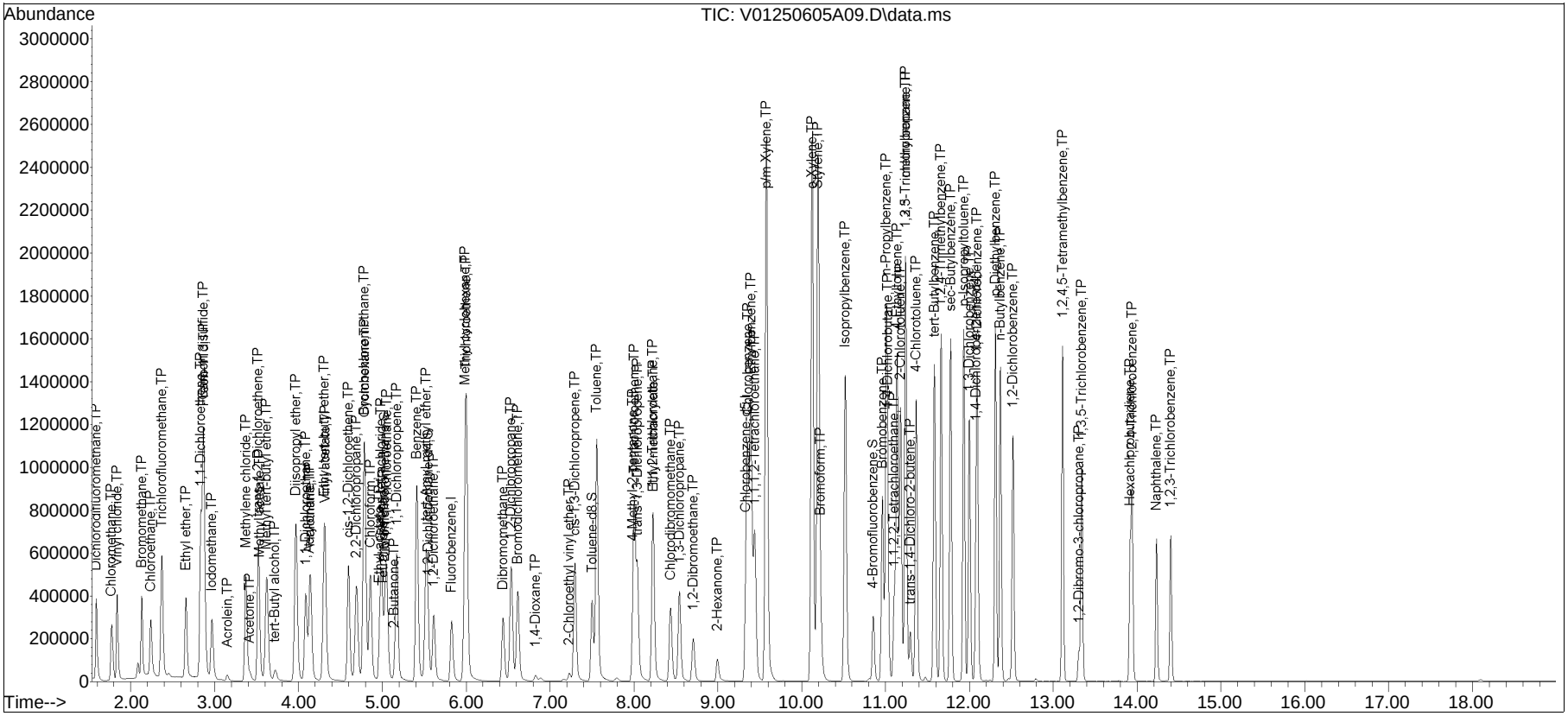
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A09.D
Acq On : 5 Jun 2025 4:35 pm
Operator : VOA101:PID
Sample : I8260STD30PPB
Misc : WG2075731,ICAL
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 07:24:29 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

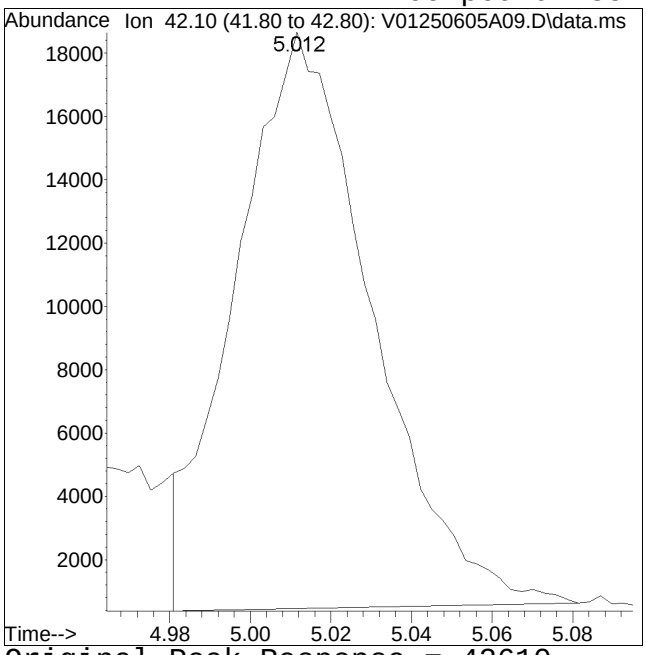
Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

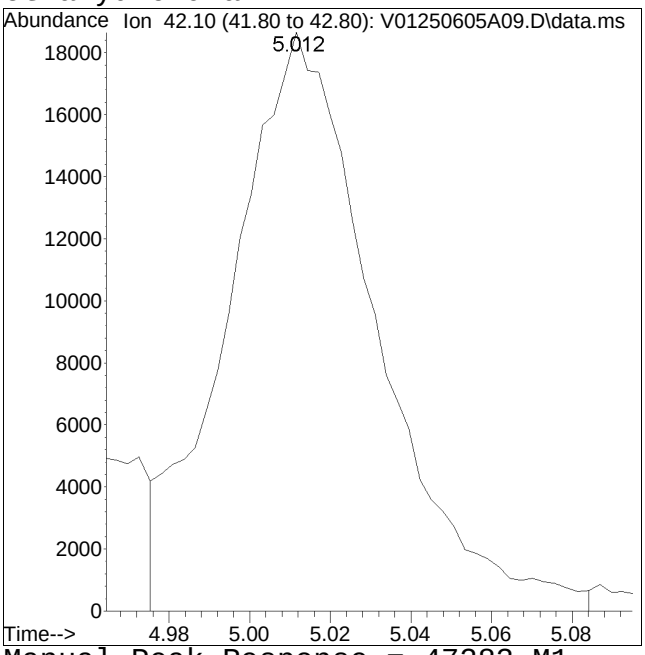


Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A09.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 4:35 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran



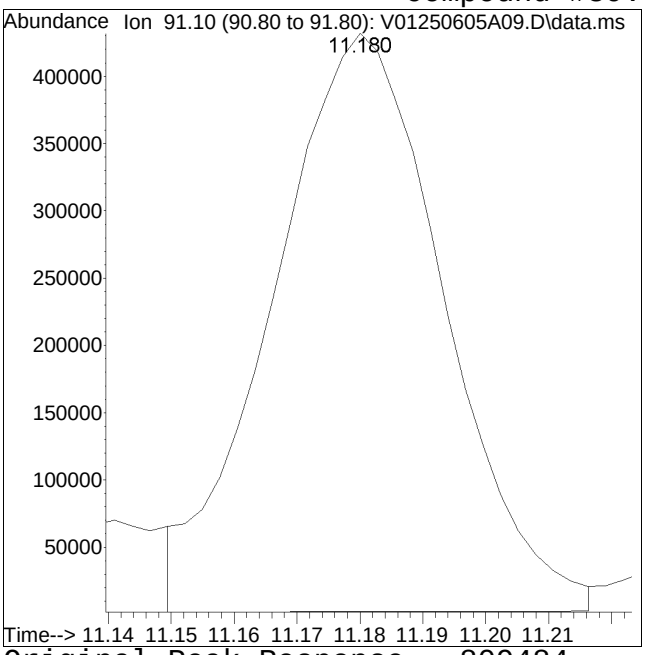


Original Peak Response = 42610 Manual Peak Response = 47283 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

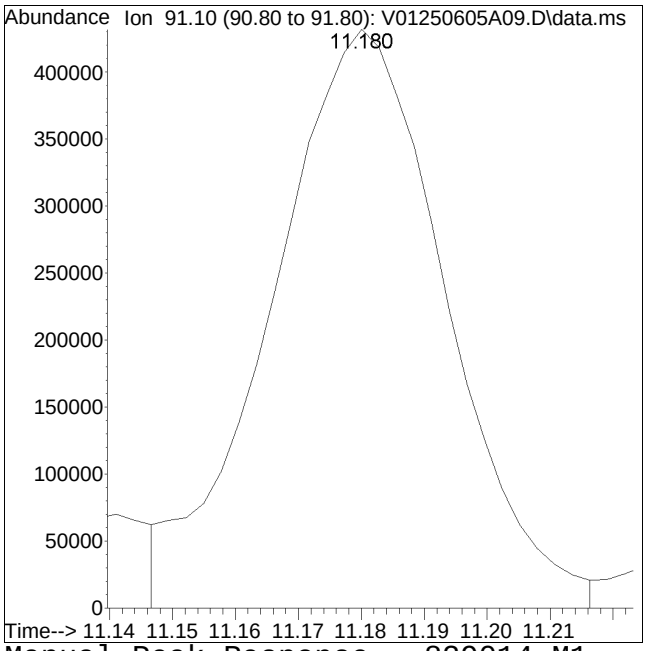
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A09.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 4:35 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 809484



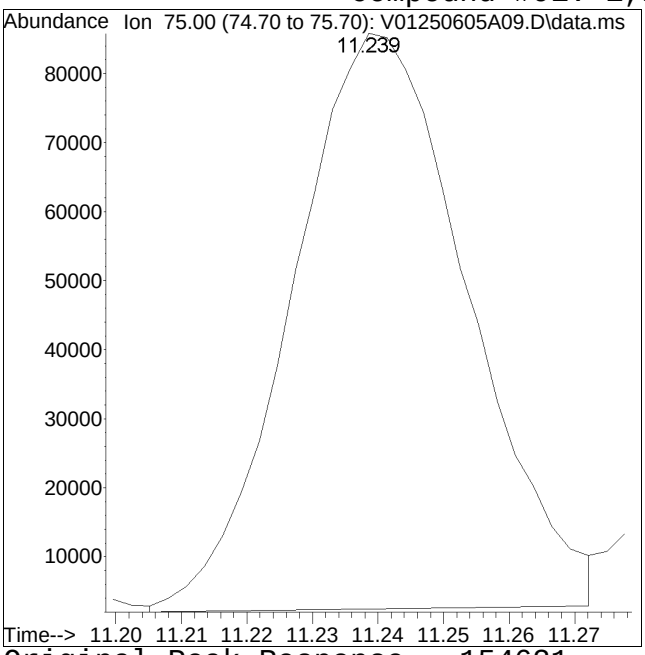
Manual Peak Response = 829014 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

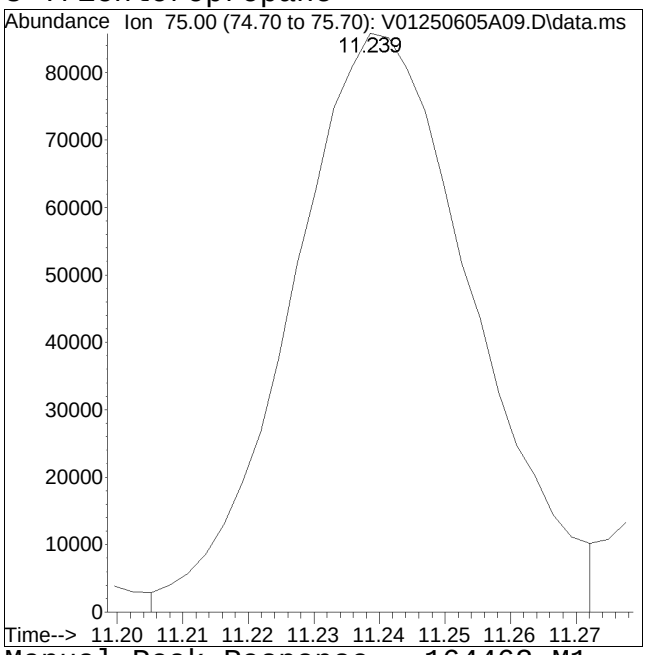
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A09.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 4:35 pm Instrument : VOA 101
Sample : I8260STD30PPB Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 154621



Manual Peak Response = 164462 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A10.D
Acq On : 5 Jun 2025 5:01 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG2075731,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 07:24:36 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	313311	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 101.07%			
59) Chlorobenzene-d5	9.337	117	255655	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 104.93%			
79) 1,4-Dichlorobenzene-d4	12.078	152	144932	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 106.40%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.028	113	85465	10.111	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.11%			
43) 1,2-Dichloroethane-d4	5.544	65	84703	9.978	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.78%			
60) Toluene-d8	7.499	98	312855	9.808	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.08%			
83) 4-Bromofluorobenzene	10.851	95	122678	9.780	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	800174	93.568	ug/L	99
3) Chloromethane	1.771	50	816573	79.875	ug/L	99
4) Vinyl chloride	1.838	62	919760	87.662	ug/L	99
5) Bromomethane	2.131	94	561745	77.444	ug/L	99
6) Chloroethane	2.237	64	641668	79.762	ug/L	100
7) Trichlorofluoromethane	2.373	101	1401158	92.715	ug/L	99
8) Ethyl ether	2.655	74	392974	77.717	ug/L	98
10) 1,1-Dichloroethene	2.834	96	763951	82.606	ug/L	100
11) Carbon disulfide	2.864	76	2216879	81.073	ug/L	100
12) Freon-113	2.867	101	773854	92.348	ug/L	89
13) Iodomethane	2.967	142	1002781	89.187	ug/L	100
14) Acrolein	3.149	56	61970	71.845	ug/L #	19
15) Methylene chloride	3.372	84	652936	77.920	ug/L	99
17) Acetone	3.419	43	93118	61.023	ug/L	95
18) trans-1,2-Dichloroethene	3.520	96	695827	82.268	ug/L	99
19) Methyl acetate	3.531	43	270841	73.151	ug/L	99
20) Methyl tert-butyl ether	3.620	73	1553892	80.606	ug/L	99
21) tert-Butyl alcohol	3.720	59	174629	396.816	ug/L #	87
22) Diisopropyl ether	3.969	45	2084707	81.160	ug/L	100
23) 1,1-Dichloroethane	4.086	63	1247937	82.379	ug/L	99
24) Halothane	4.141	117	545945	86.639	ug/L	98

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A10.D
Acq On : 5 Jun 2025 5:01 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG2075731,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 07:24:36 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.130	53	137294	85.125	ug/L		96
26) Ethyl tert-butyl ether	4.309	59	1878030	81.025	ug/L		93
27) Vinyl acetate	4.317	43	759558	75.175	ug/L		98
28) cis-1,2-Dichloroethene	4.599	96	739744	80.247	ug/L		98
29) 2,2-Dichloropropane	4.694	77	944342	82.107	ug/L		99
30) Bromochloromethane	4.783	128	328062	79.140	ug/L		99
31) Cyclohexane	4.786	56	1285736	93.658	ug/L		100
32) Chloroform	4.855	83	1149160	80.544	ug/L		99
33) Ethyl acetate	4.964	43	389841	74.576	ug/L		98
34) Carbon tetrachloride	4.989	117	1041486	91.182	ug/L		98
35) Tetrahydrofuran	5.009	42	119367M1	77.793	ug/L		
37) 1,1,1-Trichloroethane	5.051	97	1071182	84.691	ug/L		99
39) 2-Butanone	5.143	43	148443	83.341	ug/L	#	55
40) 1,1-Dichloropropene	5.170	75	911816	87.697	ug/L		100
41) Benzene	5.410	78	2583508	82.427	ug/L		100
42) tert-Amyl methyl ether	5.522	73	1604819	80.959	ug/L		99
44) 1,2-Dichloroethane	5.611	62	755481	81.484	ug/L		97
47) Methyl cyclohexane	5.990	83	1250221	93.930	ug/L		99
48) Trichloroethene	6.001	95	740396	82.212	ug/L		98
50) Dibromomethane	6.439	93	358584	81.914	ug/L		98
51) 1,2-Dichloropropane	6.537	63	681692	81.241	ug/L		100
53) 2-Chloroethyl vinyl ether	7.228	63	48148	84.099	ug/L	#	37
54) Bromodichloromethane	6.615	83	879520	80.259	ug/L		99
57) 1,4-Dioxane	6.827	88	33808	822.643	ug/L		97
58) cis-1,3-Dichloropropene	7.295	75	1044116	82.892	ug/L		98
61) Toluene	7.557	92	1714075	81.366	ug/L		99
62) 4-Methyl-2-pentanone	7.990	58	153138	85.018	ug/L		99
63) Tetrachloroethene	8.004	166	824103	87.734	ug/L		99
65) trans-1,3-Dichloropropene	8.040	75	863149	84.225	ug/L		98
67) Ethyl methacrylate	8.230	69	639118	85.180	ug/L		99
68) 1,1,2-Trichloroethane	8.224	83	406707	78.404	ug/L		100
69) Chlorodibromomethane	8.436	129	681518	82.265	ug/L		99
70) 1,3-Dichloropropane	8.539	76	835025	80.980	ug/L		100
71) 1,2-Dibromoethane	8.706	107	495506	81.411	ug/L		98
72) 2-Hexanone	8.991	43	250327	76.310	ug/L	#	96
73) Chlorobenzene	9.356	112	1981409	81.414	ug/L		100
74) Ethylbenzene	9.392	91	3385599	83.294	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.440	131	722737	80.964	ug/L		99
76) p/m Xylene	9.582	106	2761139	168.452	ug/L		98
77) o Xylene	10.129	106	2681028	166.743	ug/L		98

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A10.D
Acq On : 5 Jun 2025 5:01 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG2075731,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 07:24:36 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.196	104	4421820	172.127	ug/L	99
80)	Bromoform	10.223	173	428099	82.760	ug/L	100
82)	Isopropylbenzene	10.522	105	3484430	84.042	ug/L	100
84)	Bromobenzene	10.962	156	812434	80.297	ug/L	99
85)	n-Propylbenzene	11.013	91	3995753	84.651	ug/L	100
86)	1,4-Dichlorobutane	11.024	55	841447	78.061	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.105	83	558753	76.807	ug/L	99
88)	4-Ethyltoluene	11.141	105	3332391	83.915	ug/L	99
89)	2-Chlorotoluene	11.180	91	2278265M4	81.242	ug/L	
90)	1,3,5-Trimethylbenzene	11.241	105	2818923	83.162	ug/L	99
91)	1,2,3-Trichloropropane	11.241	75	446328M1	79.874	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.294	53	141805	84.727	ug/L	94
93)	4-Chlorotoluene	11.367	91	2309374	81.406	ug/L	99
94)	tert-Butylbenzene	11.584	119	2412432	84.170	ug/L	99
97)	1,2,4-Trimethylbenzene	11.665	105	2703356	82.705	ug/L	99
98)	sec-Butylbenzene	11.777	105	3493143	86.004	ug/L	99
99)	p-Isopropyltoluene	11.933	119	2969893	85.496	ug/L	100
100)	1,3-Dichlorobenzene	12.000	146	1524540	81.889	ug/L	100
101)	1,4-Dichlorobenzene	12.095	146	1527106	79.736	ug/L	100
102)	p-Diethylbenzene	12.312	119	1687026	85.188	ug/L	99
103)	n-Butylbenzene	12.371	91	2378546	86.393	ug/L	99
104)	1,2-Dichlorobenzene	12.518	146	1338052	81.051	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.112	119	2324894	83.272	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.305	155	85426	83.617	ug/L	98
107)	1,3,5-Trichlorobenzene	13.338	180	892587	81.952	ug/L	98
108)	Hexachlorobutadiene	13.918	225	342914	84.517	ug/L	99
109)	1,2,4-Trichlorobenzene	13.941	180	724722	81.124	ug/L	98
110)	Naphthalene	14.231	128	1311888	81.252	ug/L	100
111)	1,2,3-Trichlorobenzene	14.401	180	551523	80.771	ug/L	98

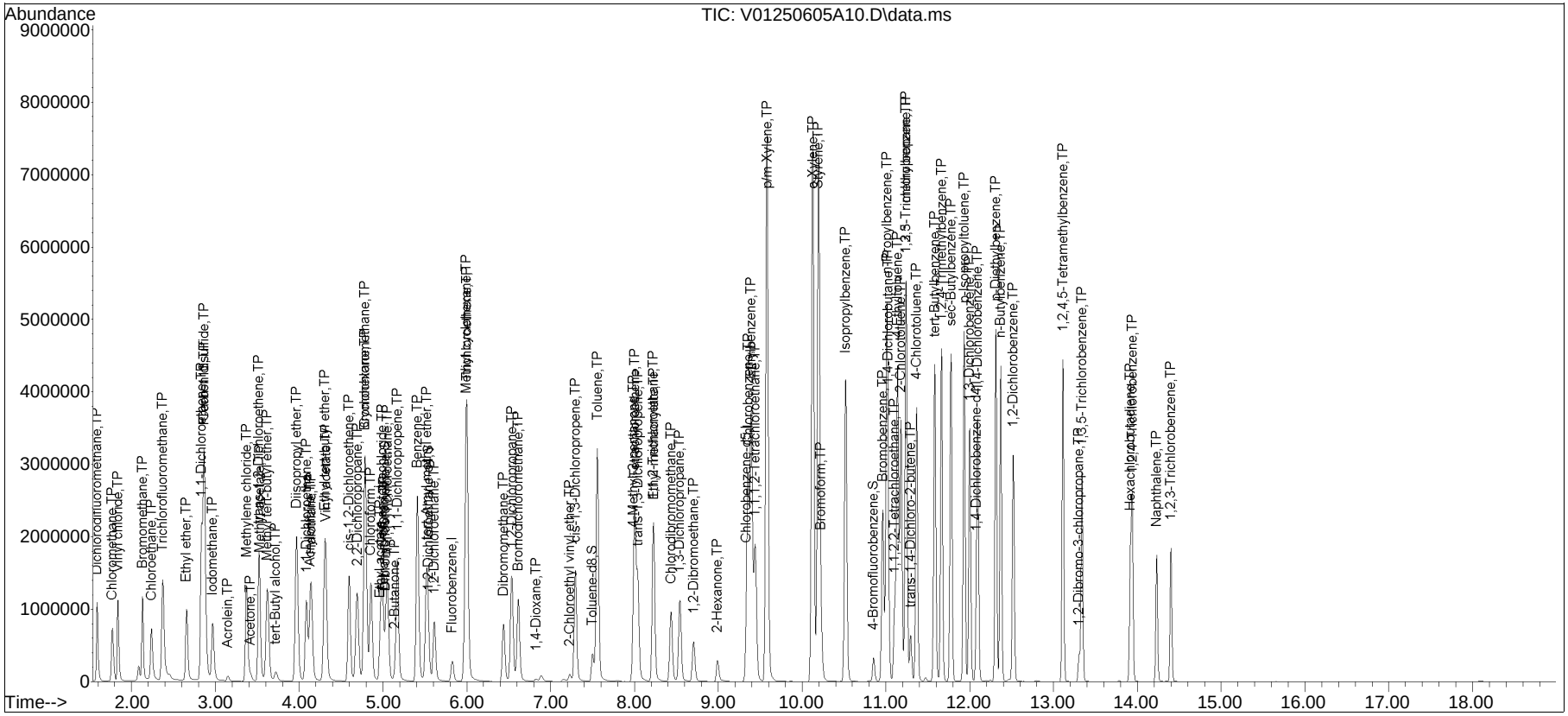
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A10.D
Acq On : 5 Jun 2025 5:01 pm
Operator : VOA101:PID
Sample : I8260STD80PPB
Misc : WG2075731,ICAL
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 07:24:36 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

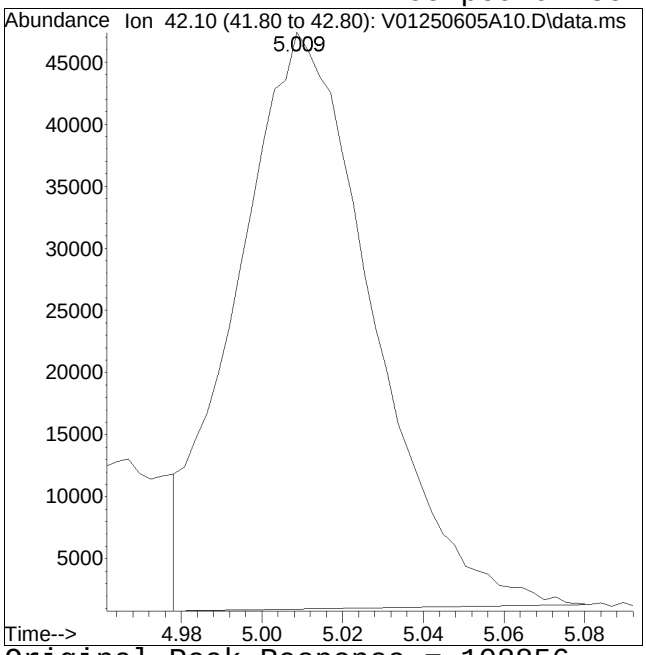
Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

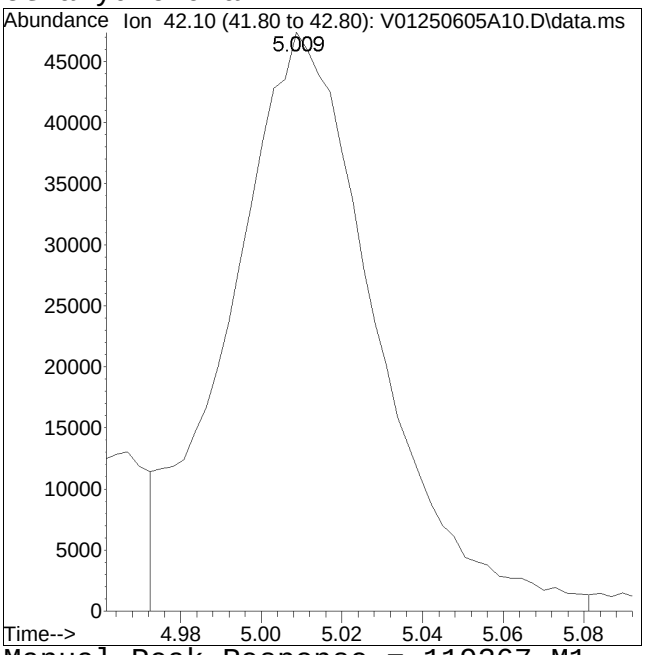


Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A10.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:01 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran



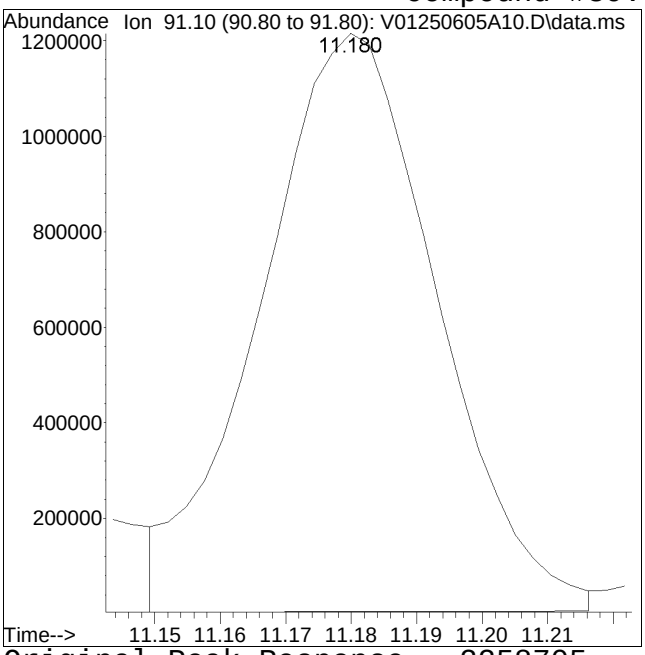


Original Peak Response = 108856 Manual Peak Response = 119367 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

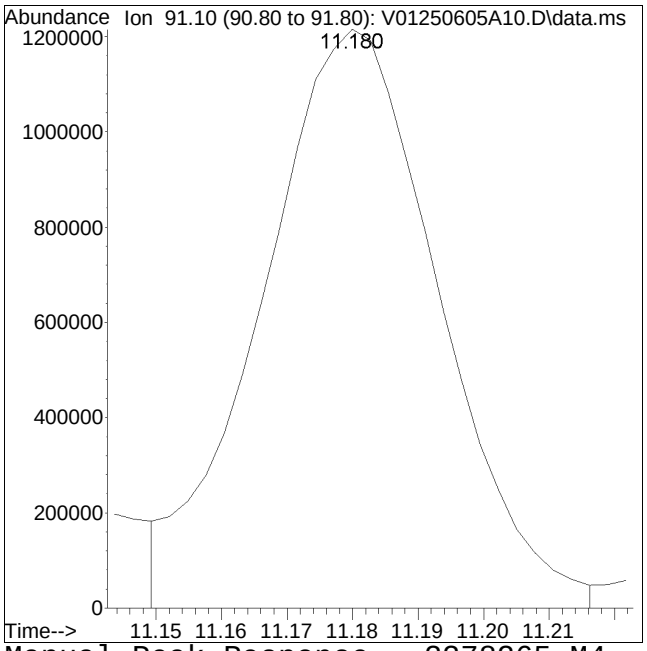
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A10.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:01 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 2258705



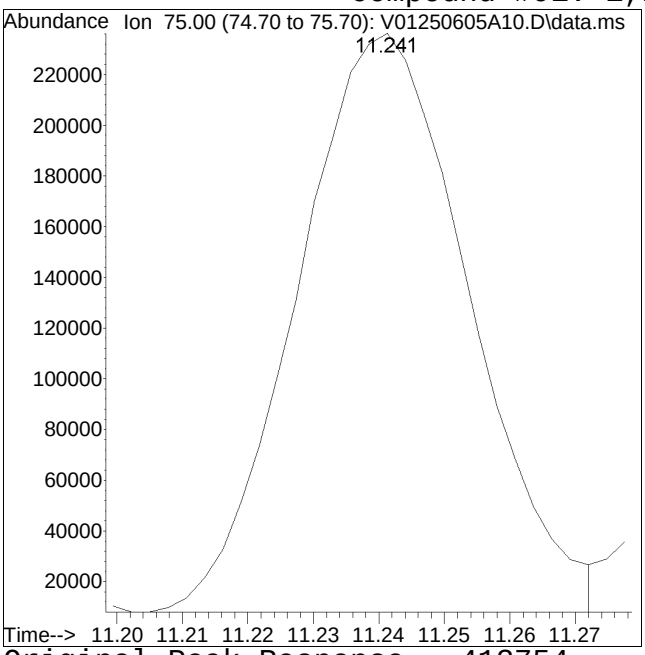
Manual Peak Response = 2278265 M4

M4 = Poor automated baseline construction.

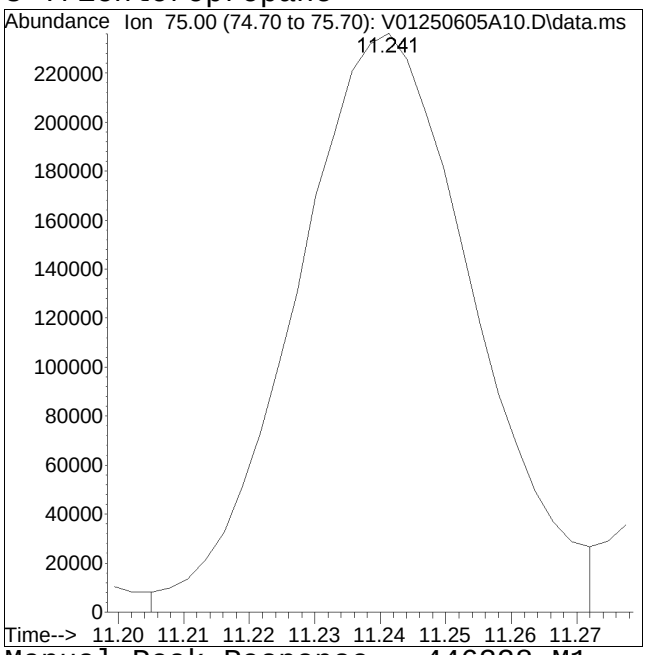
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A10.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:01 pm Instrument : VOA 101
Sample : I8260STD80PPB Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 413754



Manual Peak Response = 446328 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A11.D
Acq On : 5 Jun 2025 5:28 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG2075731,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 07:24:43 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.829	96	312582	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 100.83%			
59) Chlorobenzene-d5	9.334	117	259233	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 106.40%			
79) 1,4-Dichlorobenzene-d4	12.081	152	147579	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 108.34%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.028	113	86170	10.218	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.18%			
43) 1,2-Dichloroethane-d4	5.547	65	88291	10.425	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.25%			
60) Toluene-d8	7.505	98	319518	9.879	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.79%			
83) 4-Bromofluorobenzene	10.854	95	125204	9.802	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	1163184	136.333	ug/L	100
3) Chloromethane	1.771	50	1240033	121.580	ug/L	100
4) Vinyl chloride	1.835	62	1373256	131.189	ug/L	99
5) Bromomethane	2.128	94	915916	126.565	ug/L	100
6) Chloroethane	2.234	64	961091	119.746	ug/L	99
7) Trichlorofluoromethane	2.371	101	2033782	134.890	ug/L	99
8) Ethyl ether	2.655	74	601985	119.331	ug/L	99
10) 1,1-Dichloroethene	2.836	96	1137065	123.238	ug/L	100
11) Carbon disulfide	2.864	76	3475063	127.382	ug/L	99
12) Freon-113	2.870	101	1147468	137.253	ug/L	96
13) Iodomethane	2.967	142	1479374	131.881	ug/L	100
14) Acrolein	3.149	56	97711	113.545	ug/L #	21
15) Methylene chloride	3.372	84	997240	119.285	ug/L	99
17) Acetone	3.422	43	143473	94.241	ug/L	96
18) trans-1,2-Dichloroethene	3.520	96	1057551	125.326	ug/L	99
19) Methyl acetate	3.528	43	396042	107.216	ug/L	99
20) Methyl tert-butyl ether	3.620	73	2369871	123.220	ug/L	99
21) tert-Butyl alcohol	3.723	59	269960	614.871	ug/L #	87
22) Diisopropyl ether	3.969	45	3190563	124.502	ug/L	100
23) 1,1-Dichloroethane	4.086	63	1886621	124.830	ug/L	99
24) Halothane	4.139	117	813322	129.371	ug/L	98

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A11.D
Acq On : 5 Jun 2025 5:28 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG2075731,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 07:24:43 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.130	53	211192	131.249	ug/L		98
26) Ethyl tert-butyl ether	4.306	59	2878418	124.475	ug/L		94
27) Vinyl acetate	4.314	43	1224475	121.471	ug/L		98
28) cis-1,2-Dichloroethene	4.593	96	1125367	122.364	ug/L		98
29) 2,2-Dichloropropane	4.691	77	1388167	120.978	ug/L		100
30) Bromochloromethane	4.786	128	495367	119.778	ug/L		99
31) Cyclohexane	4.786	56	1875152	136.912	ug/L		99
32) Chloroform	4.855	83	1744003	122.521	ug/L		99
33) Ethyl acetate	4.964	43	594156	113.926	ug/L		98
34) Carbon tetrachloride	4.986	117	1542702	135.379	ug/L		99
35) Tetrahydrofuran	5.009	42	175497M1	114.640	ug/L		
37) 1,1,1-Trichloroethane	5.048	97	1587029	125.768	ug/L		100
39) 2-Butanone	5.140	43	225406	126.845	ug/L		97
40) 1,1-Dichloropropene	5.171	75	1349653	130.110	ug/L		100
41) Benzene	5.410	78	3914031	125.169	ug/L		100
42) tert-Amyl methyl ether	5.525	73	2444011	123.581	ug/L		99
44) 1,2-Dichloroethane	5.611	62	1153213	124.672	ug/L		97
47) Methyl cyclohexane	5.990	83	1833116	138.045	ug/L		99
48) Trichloroethene	6.002	95	1122052	124.881	ug/L		99
50) Dibromomethane	6.439	93	548187	125.518	ug/L		98
51) 1,2-Dichloropropane	6.534	63	1036016	123.755	ug/L		100
53) 2-Chloroethyl vinyl ether	7.229	63	75260	131.762	ug/L	#	36
54) Bromodichloromethane	6.612	83	1353024	123.756	ug/L		99
57) 1,4-Dioxane	6.824	88	46734	1139.821	ug/L	#	88
58) cis-1,3-Dichloropropene	7.293	75	1594362	126.872	ug/L		99
61) Toluene	7.558	92	2616483	122.489	ug/L		99
62) 4-Methyl-2-pentanone	7.987	58	234978	128.652	ug/L		98
63) Tetrachloroethene	8.004	166	1222044	128.304	ug/L		100
65) trans-1,3-Dichloropropene	8.040	75	1314083	126.457	ug/L		98
67) Ethyl methacrylate	8.230	69	988350	129.906	ug/L		98
68) 1,1,2-Trichloroethane	8.224	83	624172	118.666	ug/L		99
69) Chlorodibromomethane	8.436	129	1038107	123.579	ug/L		99
70) 1,3-Dichloropropane	8.542	76	1271399	121.597	ug/L		100
71) 1,2-Dibromoethane	8.704	107	755233	122.372	ug/L		98
72) 2-Hexanone	8.991	43	379825	114.188	ug/L	#	96
73) Chlorobenzene	9.356	112	3018031	122.296	ug/L		100
74) Ethylbenzene	9.395	91	5145828	124.853	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.443	131	1108902	122.510	ug/L		99
76) p/m Xylene	9.582	106	4205059	253.003	ug/L		98
77) o Xylene	10.129	106	4121321	252.783	ug/L		98

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A11.D
Acq On : 5 Jun 2025 5:28 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG2075731,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 07:24:43 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.198	104	6855817	263.190	ug/L	99
80)	Bromoform	10.226	173	665306	126.310	ug/L	100
82)	Isopropylbenzene	10.522	105	5251995	124.403	ug/L	100
84)	Bromobenzene	10.965	156	1248176	121.151	ug/L	98
85)	n-Propylbenzene	11.013	91	6058489	126.049	ug/L	100
86)	1,4-Dichlorobutane	11.027	55	1295660	118.042	ug/L	98
87)	1,1,2,2-Tetrachloroethane	11.108	83	858600	115.908	ug/L	100
88)	4-Ethyltoluene	11.141	105	5075260	125.511	ug/L	99
89)	2-Chlorotoluene	11.180	91	3520002M1	123.270	ug/L	
90)	1,3,5-Trimethylbenzene	11.241	105	4316738	125.065	ug/L	99
91)	1,2,3-Trichloropropane	11.241	75	690118M4	121.287	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.297	53	217491	127.619	ug/L	91
93)	4-Chlorotoluene	11.367	91	3563798	123.372	ug/L	99
94)	tert-Butylbenzene	11.584	119	3641889	124.786	ug/L	98
97)	1,2,4-Trimethylbenzene	11.665	105	4166471	125.181	ug/L	99
98)	sec-Butylbenzene	11.777	105	5307947	128.342	ug/L	99
99)	p-Isopropyltoluene	11.936	119	4552708	128.710	ug/L	99
100)	1,3-Dichlorobenzene	12.003	146	2369280	124.980	ug/L	99
101)	1,4-Dichlorobenzene	12.095	146	2364199	121.230	ug/L	100
102)	p-Diethylbenzene	12.312	119	2608785	129.370	ug/L	99
103)	n-Butylbenzene	12.371	91	3651483	130.250	ug/L	99
104)	1,2-Dichlorobenzene	12.521	146	2074352	123.398	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.113	119	3661069	128.778	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.308	155	131579	126.483	ug/L	99
107)	1,3,5-Trichlorobenzene	13.338	180	1387425	125.101	ug/L	99
108)	Hexachlorobutadiene	13.918	225	528779	127.989	ug/L	99
109)	1,2,4-Trichlorobenzene	13.941	180	1140493	125.375	ug/L	98
110)	Naphthalene	14.231	128	2046760	124.493	ug/L	100
111)	1,2,3-Trichlorobenzene	14.401	180	870720	125.230	ug/L	98

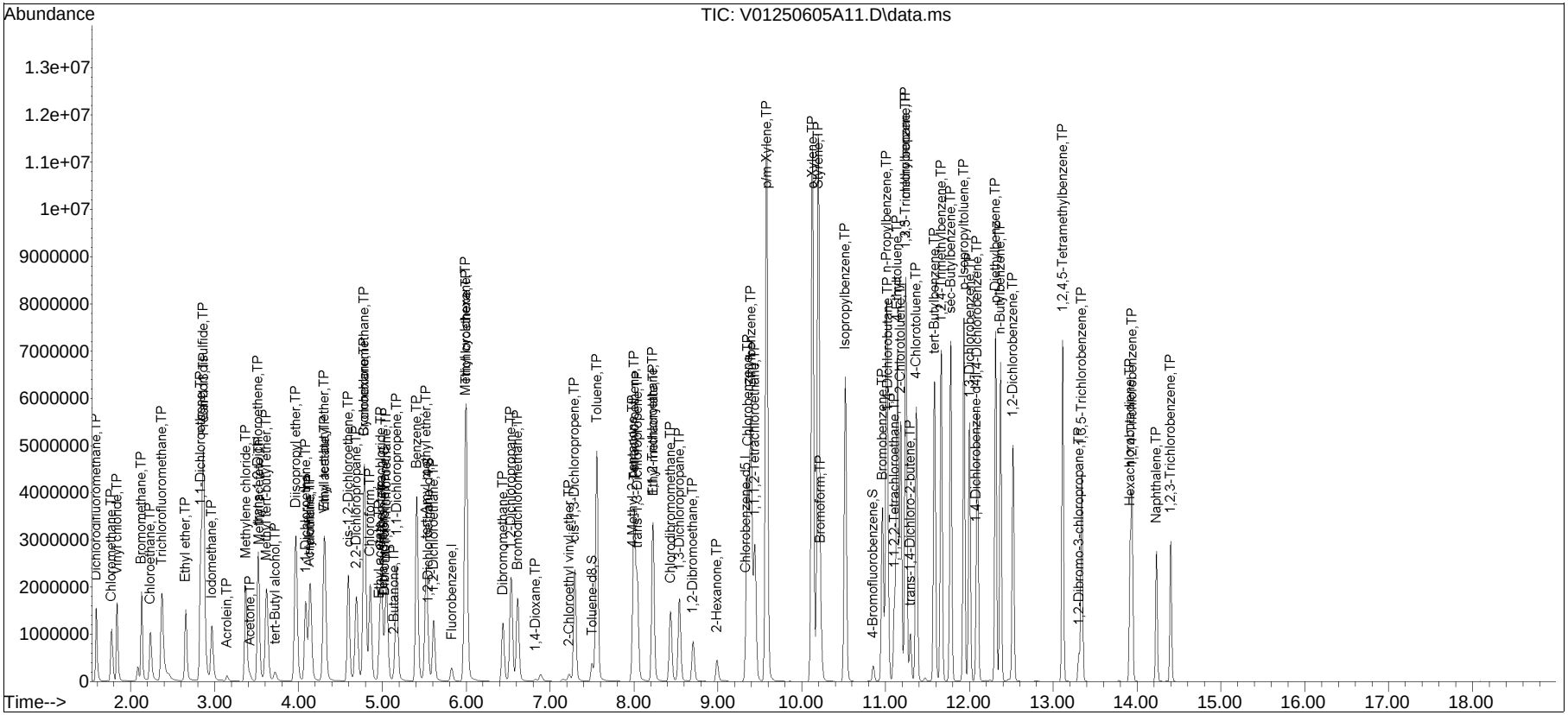
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A11.D
Acq On : 5 Jun 2025 5:28 pm
Operator : VOA101:PID
Sample : I8260STD120PPB
Misc : WG2075731,ICAL
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 06 07:24:43 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

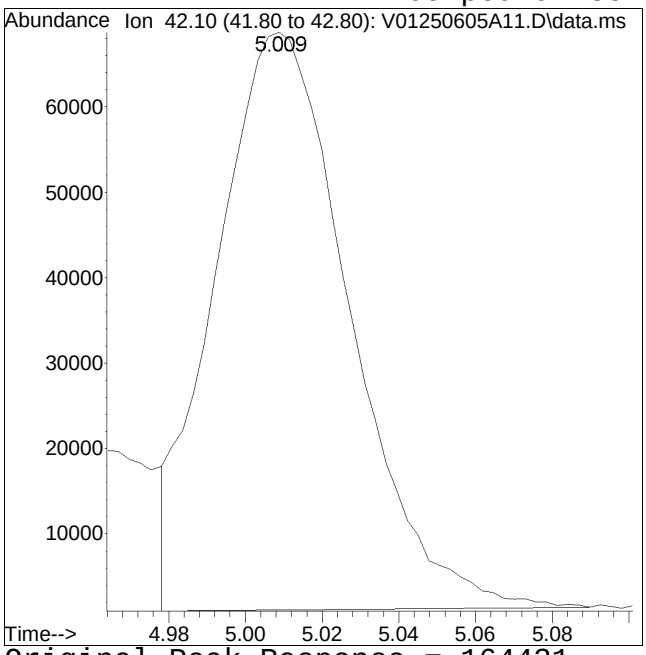
Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

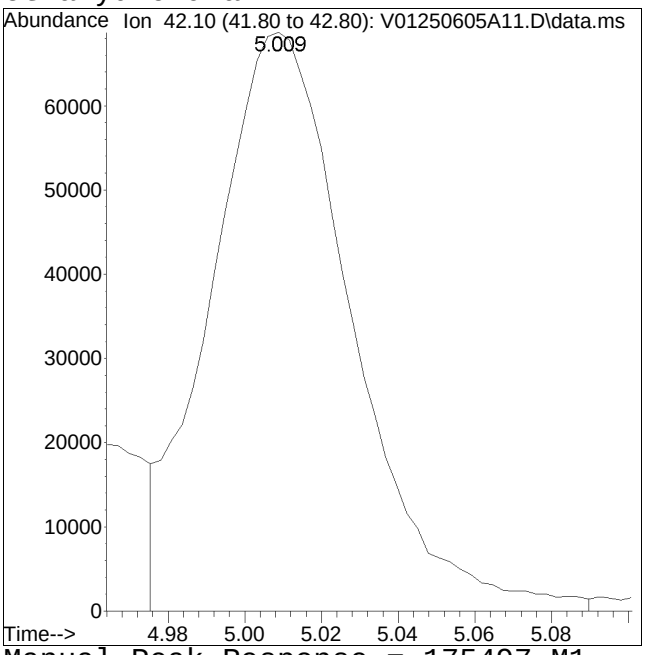


Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A11.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:28 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran



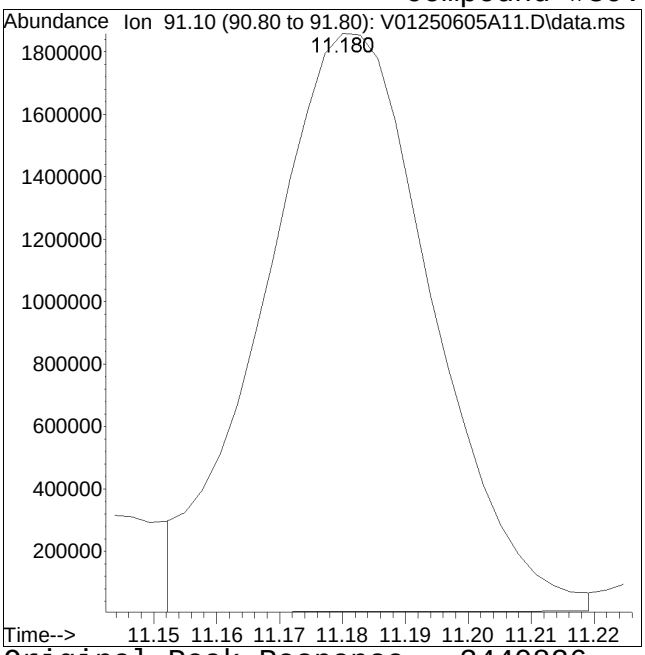


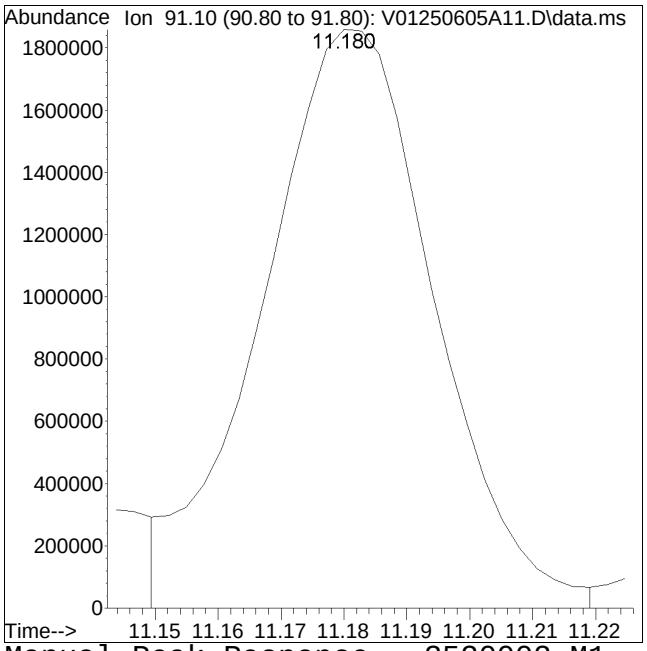
Original Peak Response = 164431 Manual Peak Response = 175497 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A11.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:28 pm Instrument : VOA 101
Sample : I8260STD120PPB Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene





Original Peak Response = 3440826 Manual Peak Response = 3520002 M1

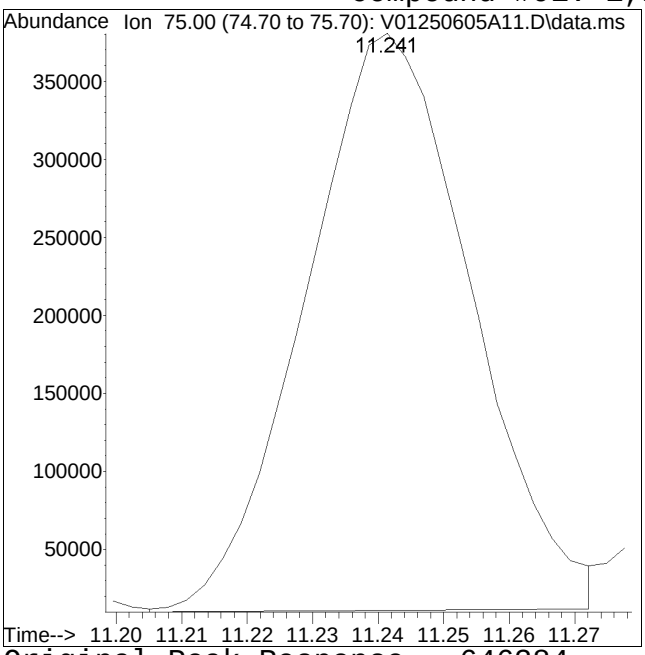
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

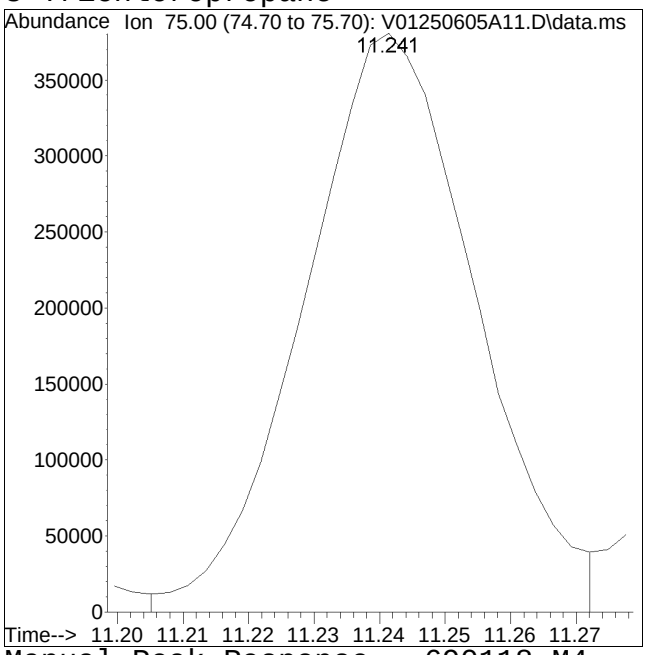
Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A11.D
Date Inj'd : 6/5/2025 5:28 pm
Sample : I8260STD120PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane



Original Peak Response = 646384



Manual Peak Response = 690118 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A12.D
Acq On : 5 Jun 2025 5:55 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG2075731,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 07:24:50 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.828	96	316943	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery = 102.24%			
59) Chlorobenzene-d5	9.337	117	267455	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery = 109.77%			
79) 1,4-Dichlorobenzene-d4	12.081	152	152654	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery = 112.07%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	88509	10.351	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.51%			
43) 1,2-Dichloroethane-d4	5.544	65	90208	10.505	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.05%			
60) Toluene-d8	7.502	98	318521	9.545	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.45%			
83) 4-Bromofluorobenzene	10.854	95	126380	9.566	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.66%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.587	85	1944174	224.736	ug/L	100
3) Chloromethane	1.768	50	2089293	202.027	ug/L	99
4) Vinyl chloride	1.835	62	2329802	219.507	ug/L	99
5) Bromomethane	2.128	94	1608060	219.151	ug/L	99
6) Chloroethane	2.228	64	1562676	192.021	ug/L	100
7) Trichlorofluoromethane	2.371	101	3413643	223.294	ug/L	99
8) Ethyl ether	2.655	74	998918	195.290	ug/L	98
10) 1,1-Dichloroethene	2.833	96	1919899	205.220	ug/L	99
11) Carbon disulfide	2.861	76	5853013	211.596	ug/L	99
12) Freon-113	2.864	101	1906451	224.901	ug/L	98
13) Iodomethane	2.965	142	2437504	214.306	ug/L	99
14) Acrolein	3.143	56	155981	178.764	ug/L #	21
15) Methylene chloride	3.369	84	1687394	199.061	ug/L	100
17) Acetone	3.419	43	243340	157.640	ug/L	94
18) trans-1,2-Dichloroethene	3.517	96	1790679	209.287	ug/L	99
19) Methyl acetate	3.528	43	589111	157.289	ug/L	97
20) Methyl tert-butyl ether	3.617	73	3959697	203.049	ug/L	99
21) tert-Butyl alcohol	3.720	59	442774	994.603	ug/L #	86
22) Diisopropyl ether	3.966	45	5386379	207.295	ug/L	100
23) 1,1-Dichloroethane	4.086	63	3120228	203.612	ug/L	99
24) Halothane	4.139	117	1387134	217.608	ug/L	98

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A12.D
Acq On : 5 Jun 2025 5:55 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG2075731,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 07:24:50 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.130	53	353986	216.963	ug/L		98
26) Ethyl tert-butyl ether	4.306	59	4863507	207.426	ug/L		93
27) Vinyl acetate	4.314	43	1983554	194.067	ug/L		98
28) cis-1,2-Dichloroethene	4.596	96	1912296	205.068	ug/L		98
29) 2,2-Dichloropropane	4.691	77	2302700	197.917	ug/L		99
30) Bromochloromethane	4.786	128	825768	196.921	ug/L		99
31) Cyclohexane	4.788	56	3224225	232.173	ug/L		100
32) Chloroform	4.855	83	2947703	204.235	ug/L		99
33) Ethyl acetate	4.964	43	988125	186.861	ug/L		98
34) Carbon tetrachloride	4.986	117	2635628	228.105	ug/L		99
35) Tetrahydrofuran	5.009	42	288545M1	185.893	ug/L		
37) 1,1,1-Trichloroethane	5.048	97	2704276	211.358	ug/L		99
39) 2-Butanone	5.140	43	383970	213.102	ug/L		97
40) 1,1-Dichloropropene	5.170	75	2274080	216.211	ug/L		99
41) Benzene	5.410	78	6648500	209.691	ug/L		99
42) tert-Amyl methyl ether	5.522	73	4125485	205.734	ug/L		99
44) 1,2-Dichloroethane	5.614	62	1933534	206.156	ug/L		97
47) Methyl cyclohexane	5.993	83	3176550	235.923	ug/L		98
48) Trichloroethene	6.001	95	1950188	214.063	ug/L		99
50) Dibromomethane	6.439	93	924078	208.674	ug/L		98
51) 1,2-Dichloropropane	6.537	63	1747797	205.907	ug/L		100
53) 2-Chloroethyl vinyl ether	7.228	63	132243	228.340	ug/L	#	34
54) Bromodichloromethane	6.615	83	2288441	206.435	ug/L		99
57) 1,4-Dioxane	6.824	88	79564	1913.828	ug/L		98
58) cis-1,3-Dichloropropene	7.295	75	2696666	211.635	ug/L		99
61) Toluene	7.557	92	4490872	203.774	ug/L		100
62) 4-Methyl-2-pentanone	7.990	58	393350	208.742	ug/L		98
63) Tetrachloroethene	8.006	166	2129722	216.728	ug/L		99
65) trans-1,3-Dichloropropene	8.040	75	2235567	208.520	ug/L		97
67) Ethyl methacrylate	8.227	69	1674444	213.319	ug/L		98
68) 1,1,2-Trichloroethane	8.227	83	1061116	195.535	ug/L		100
69) Chlorodibromomethane	8.436	129	1755165	202.516	ug/L		98
70) 1,3-Dichloropropane	8.542	76	2123861	196.882	ug/L		100
71) 1,2-Dibromoethane	8.706	107	1256588	197.348	ug/L		98
72) 2-Hexanone	8.991	43	634865	184.994	ug/L	#	95
73) Chlorobenzene	9.356	112	5168493	202.998	ug/L		100
74) Ethylbenzene	9.398	91	8906486	209.455	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.443	131	1903758	203.858	ug/L		99
76) p/m Xylene	9.585	106	7348348	428.531	ug/L		97
77) o Xylene	10.131	106	7076651	420.706	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A12.D
Acq On : 5 Jun 2025 5:55 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG2075731,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 07:24:50 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) Styrene	10.201	104	11787982	438.621	ug/L	97
80) Bromoform	10.226	173	1135050	208.328	ug/L	99
82) Isopropylbenzene	10.522	105	9118734	208.813	ug/L	100
84) Bromobenzene	10.965	156	2134392	200.282	ug/L	98
85) n-Propylbenzene	11.013	91	10545776	212.114	ug/L	100
86) 1,4-Dichlorobutane	11.029	55	2210824	194.723	ug/L	97
87) 1,1,2,2-Tetrachloroethane	11.107	83	1429766	186.597	ug/L	100
88) 4-Ethyltoluene	11.144	105	8786574	210.068	ug/L	99
89) 2-Chlorotoluene	11.183	91	6074233M1	205.647	ug/L	
90) 1,3,5-Trimethylbenzene	11.244	105	7604865	213.004	ug/L	99
91) 1,2,3-Trichloropropane	11.244	75	1199050M1	203.725	ug/L	
92) trans-1,4-Dichloro-2-b...	11.300	53	373216	211.714	ug/L	91
93) 4-Chlorotoluene	11.372	91	6217152	208.071	ug/L	99
94) tert-Butylbenzene	11.587	119	6410198	212.338	ug/L	98
97) 1,2,4-Trimethylbenzene	11.668	105	7285738	211.622	ug/L	98
98) sec-Butylbenzene	11.779	105	9286315	217.072	ug/L	100
99) p-Isopropyltoluene	11.936	119	7965956	217.720	ug/L	99
100) 1,3-Dichlorobenzene	12.003	146	4121118	210.163	ug/L	99
101) 1,4-Dichlorobenzene	12.097	146	4099380	203.217	ug/L	99
102) p-Diethylbenzene	12.315	119	4593163	220.203	ug/L	98
103) n-Butylbenzene	12.371	91	6425153	221.568	ug/L	99
104) 1,2-Dichlorobenzene	12.521	146	3603518	207.238	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.112	119	6280948	213.588	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.305	155	219371	203.865	ug/L	98
107) 1,3,5-Trichlorobenzene	13.341	180	2368989	206.505	ug/L	98
108) Hexachlorobutadiene	13.918	225	924562	216.347	ug/L	99
109) 1,2,4-Trichlorobenzene	13.941	180	1940811	206.262	ug/L	98
110) Naphthalene	14.231	128	3431815	201.799	ug/L	100
111) 1,2,3-Trichlorobenzene	14.401	180	1470983	204.529	ug/L	98

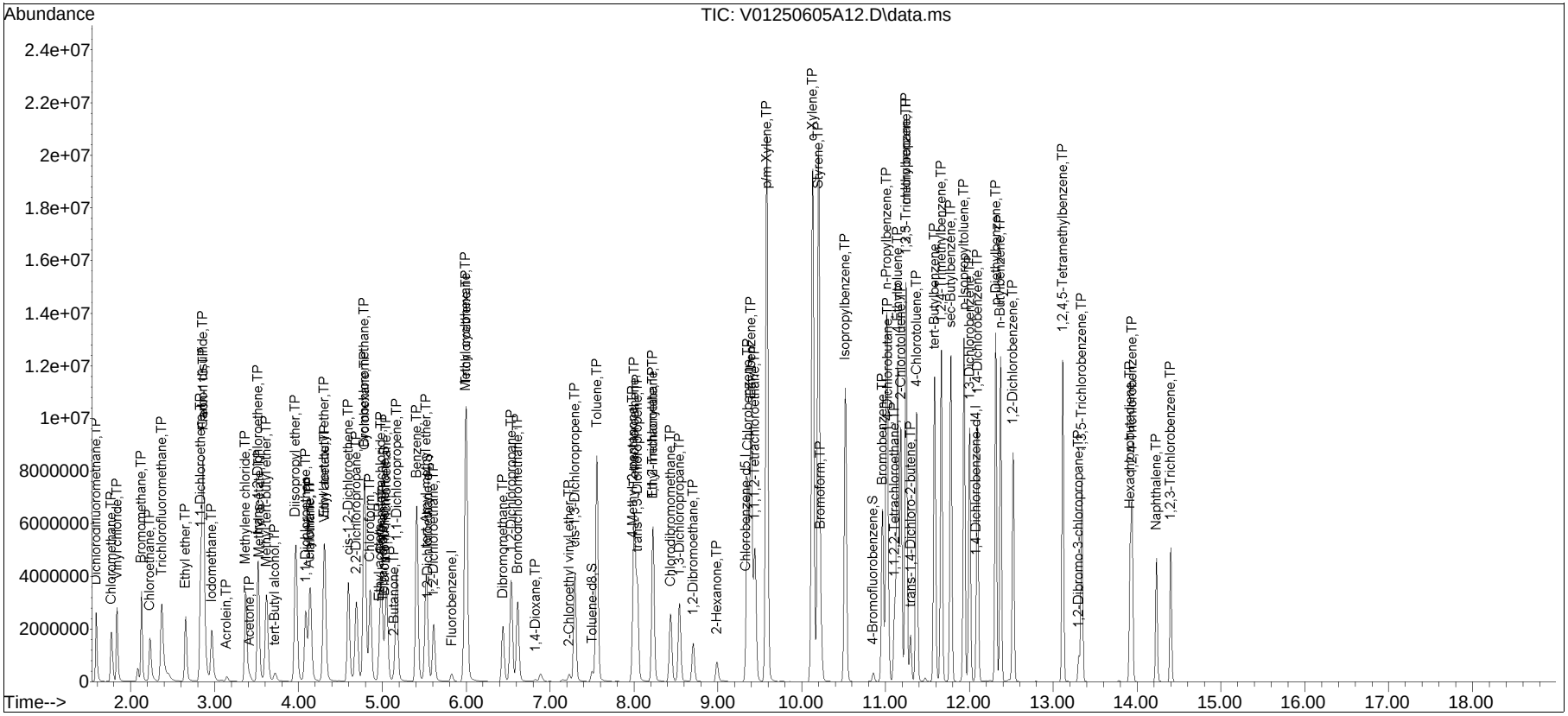
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A12.D
Acq On : 5 Jun 2025 5:55 pm
Operator : VOA101:PID
Sample : I8260STD200PPB
Misc : WG2075731,ICAL
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 06 07:24:50 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:22:40 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

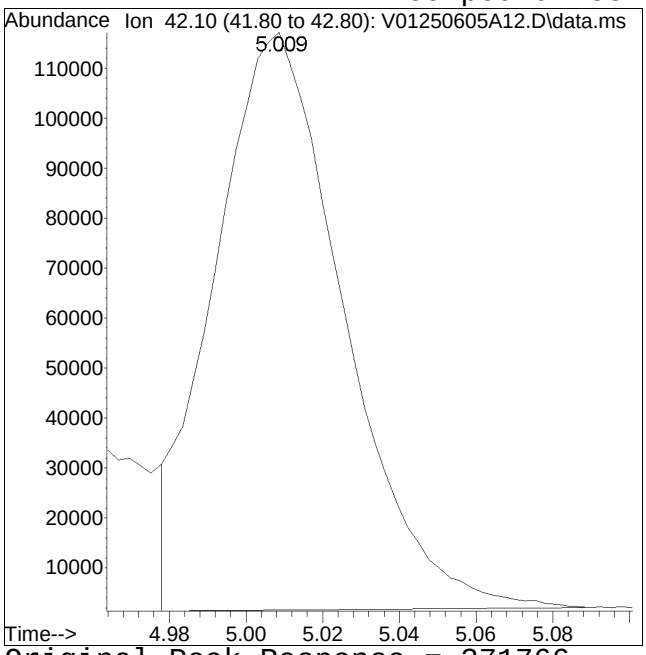


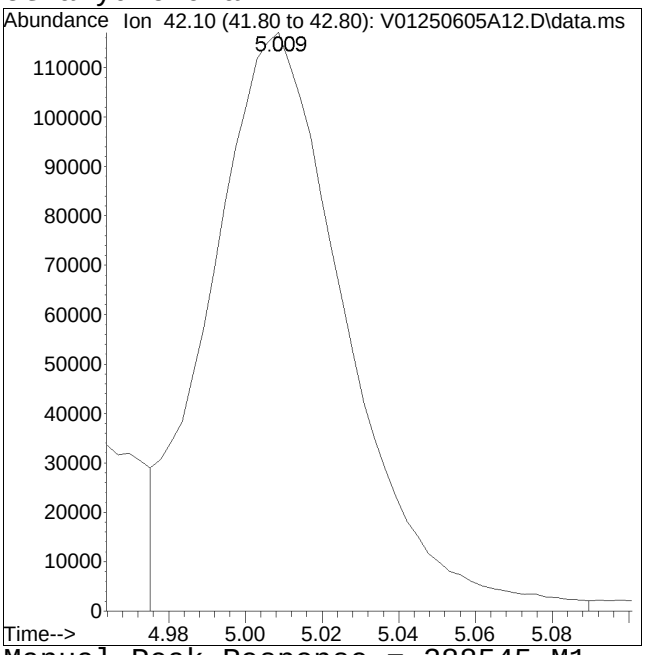
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A12.D
Date Inj'd : 6/5/2025 5:55 pm
Sample : I8260STD200PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:24 am

Compound #35: Tetrahydrofuran





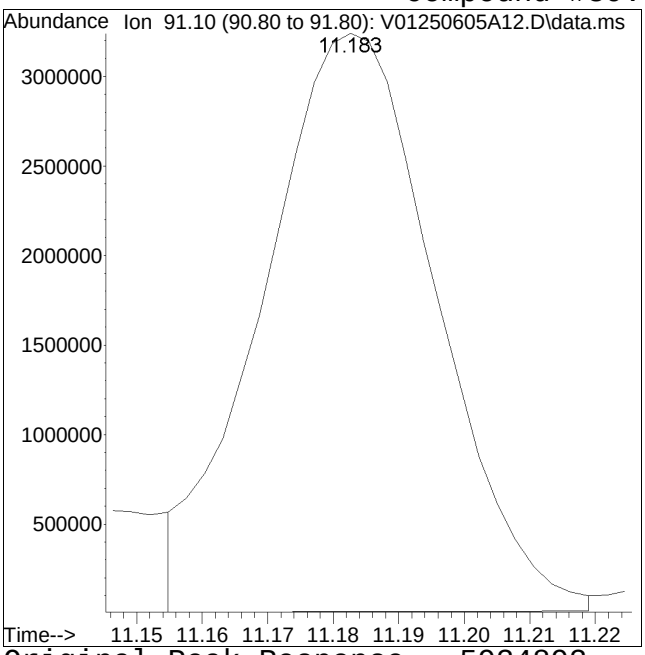
Original Peak Response = 271766 Manual Peak Response = 288545 M1

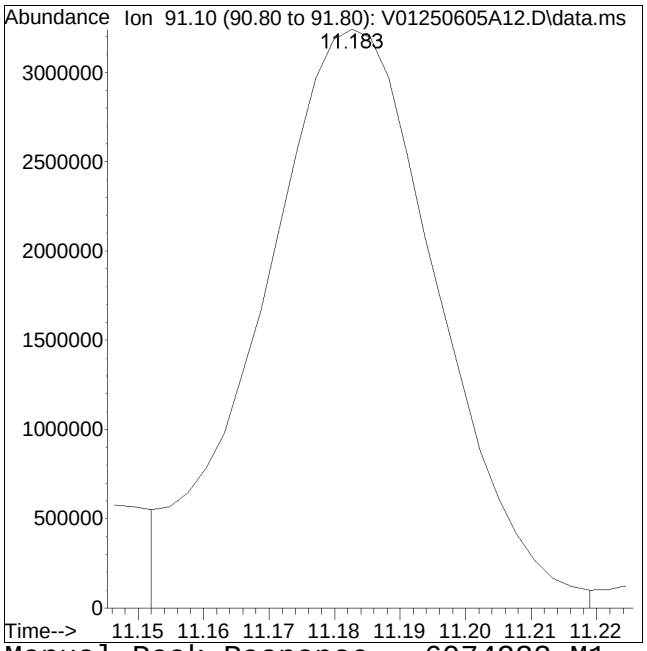
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A12.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:55 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 6/6/2025 7:24 am

Compound #89: 2-Chlorotoluene



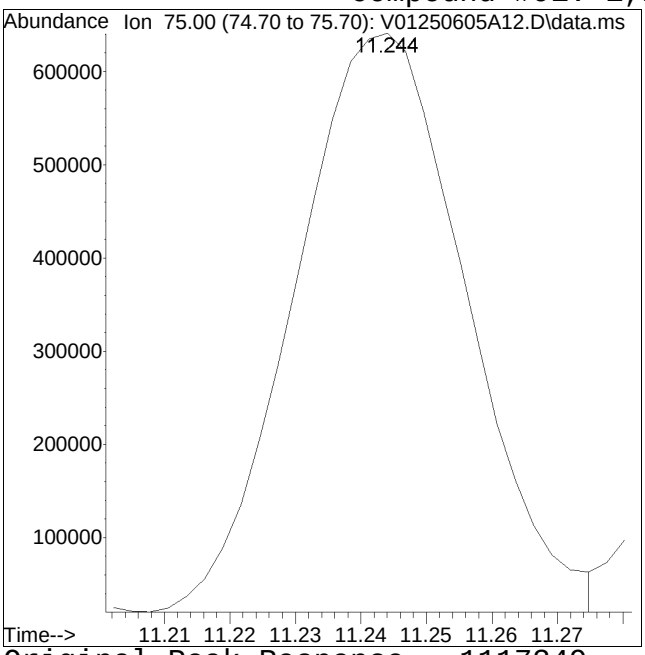


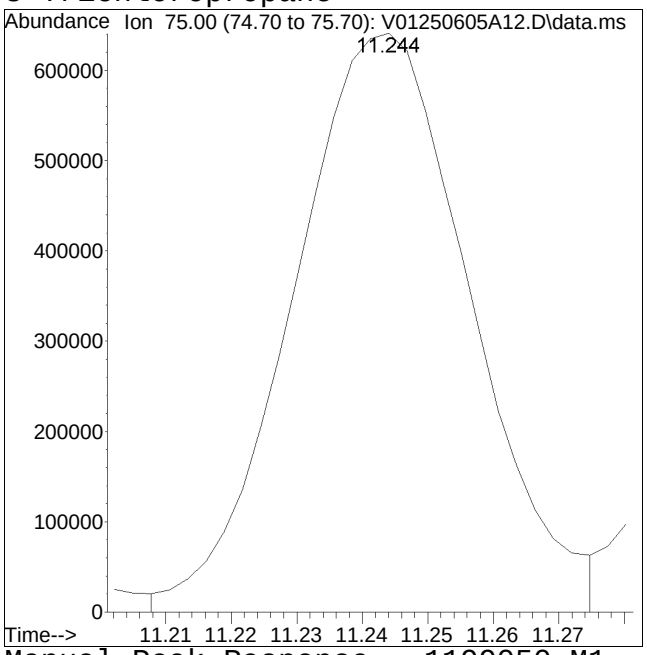
Original Peak Response = 5934893 Manual Peak Response = 6074233 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A12.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 5:55 pm Instrument : VOA 101
Sample : I8260STD200PPB Quant Date : 6/6/2025 7:24 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 1117349 Manual Peak Response = 1199050 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	99	0.00
2	TP	Dichlorodifluoromethane	0.273	0.306	-12.1	110	0.00
3	TP	Chloromethane	0.326	0.360	-10.4	109	0.00
4	TP	Vinyl chloride	0.335	0.353	-5.4	102	0.00
5	TP	Bromomethane	0.232	0.238	-2.6	118	0.00
6	TP	Chloroethane	0.257	0.257	0.0	100	0.00
7	TP	Trichlorofluoromethane	0.482	0.533	-10.6	110	0.00
8	TP	Ethyl ether	0.161	0.154	4.3	93	0.00
10	TP	1,1-Dichloroethene	0.295	0.260	11.9	92	0.00
11	TP	Carbon disulfide	0.873	0.708	18.9	80	0.00
12	TP	Freon-113	0.278	0.307	-10.4	108	0.00
13	TP	Iodomethane	0.359	0.266	25.9#	76	0.00
14	TP	Acrolein	0.025	0.024	4.0	90	0.00
15	TP	Methylene chloride	0.267	0.248	7.1	92	0.00
17	TP	Acetone	0.042	0.038	9.5	84	0.00
18	TP	trans-1,2-Dichloroethene	0.270	0.263	2.6	98	0.00
19	TP	Methyl acetate	0.106	0.107	-0.9	96	0.00
20	TP	Methyl tert-butyl ether	0.615	0.551	10.4	87	0.00
21	TP	tert-Butyl alcohol	0.014	0.013	7.1	89	0.00
22	TP	Diisopropyl ether	0.820	0.789	3.8	95	0.00
23	TP	1,1-Dichloroethane	0.484	0.468	3.3	96	0.00
24	TP	Halothane	0.201	0.222	-10.4	111	0.00
25	TP	Acrylonitrile	0.051	0.049	3.9	92	0.00
26	TP	Ethyl tert-butyl ether	0.740	0.721	2.6	96	0.00
27	TP	Vinyl acetate	0.322	0.392	-21.7#	99	0.00
28	TP	cis-1,2-Dichloroethene	0.294	0.279	5.1	92	0.00
29	TP	2,2-Dichloropropane	0.367	0.317	13.6	86	0.00
30	TP	Bromochloromethane	0.132	0.132	0.0	95	0.00
31	TP	Cyclohexane	0.453	0.482	-6.4	110	0.00
32	TP	Chloroform	0.455	0.437	4.0	94	0.00
33	TP	Ethyl acetate	0.167	0.148	11.4	93	0.00
34	TP	Carbon tetrachloride	0.365	0.372	-1.9	98	0.00
35	TP	Tetrahydrofuran	0.049	0.049	0.0	98	0.00
36	S	Dibromofluoromethane	0.270	0.268	0.7	99	0.00
37	TP	1,1,1-Trichloroethane	0.404	0.400	1.0	98	0.00
39	TP	2-Butanone	0.057	0.053	7.0	92	0.00
40	TP	1,1-Dichloropropene	0.332	0.346	-4.2	103	0.00
41	TP	Benzene	1.000	0.990	1.0	96	0.00
42	TP	tert-Amyl methyl ether	0.633	0.593	6.3	92	0.00

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
43	S	1,2-Dichloroethane-d4	0.271	0.258	4.8	97	0.00
44	TP	1,2-Dichloroethane	0.296	0.291	1.7	93	0.00
47	TP	Methyl cyclohexane	* 10.000	10.626	-6.3	111	0.00
48	TP	Trichloroethene	0.287	0.270	5.9	95	0.00
50	TP	Dibromomethane	0.140	0.134	4.3	94	0.00
51	TP	1,2-Dichloropropane	0.268	0.251	6.3	92	0.00
53	TP	2-Chloroethyl vinyl ether	0.018	0.016	11.1	88	0.00
54	TP	Bromodichloromethane	0.350	0.329	6.0	92	0.00
57	TP	1,4-Dioxane	0.00131	0.00095#	27.5#	63	0.00
58	TP	cis-1,3-Dichloropropene	0.402	0.381	5.2	92	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	99	0.00
60	S	Toluene-d8	1.248	1.268	-1.6	99	0.00
61	TP	Toluene	0.824	0.815	1.1	95	0.00
62	TP	4-Methyl-2-pentanone	0.070	0.066	5.7	86	0.00
63	TP	Tetrachloroethene	0.367	0.376	-2.5	97	0.00
65	TP	trans-1,3-Dichloropropene	0.401	0.405	-1.0	95	0.00
67	TP	Ethyl methacrylate	0.293	0.303	-3.4	96	0.00
68	TP	1,1,2-Trichloroethane	0.203	0.195#	3.9	94	0.00
69	TP	Chlorodibromomethane	0.324	0.314	3.1	93	0.00
70	TP	1,3-Dichloropropane	0.403	0.404	-0.2	95	0.00
71	TP	1,2-Dibromoethane	0.238	0.236	0.8	95	0.00
72	TP	2-Hexanone	0.118	0.104	11.9	85	0.00
73	TP	Chlorobenzene	0.952	0.938	1.5	94	0.00
74	TP	Ethylbenzene	1.590	1.585	0.3	97	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.349	0.347	0.6	95	0.00
76	TP	p/m Xylene	0.641	0.638	0.5	97	0.00
77	TP	o Xylene	0.629	0.619	1.6	96	0.00
78	TP	Styrene	1.005	0.995	1.0	98	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	97	0.00
80	TP	Bromoform	0.357	0.348	2.5	94	0.00
82	TP	Isopropylbenzene	2.861	2.865	-0.1	96	0.00
83	S	4-Bromofluorobenzene	0.865	0.875	-1.2	98	0.00
84	TP	Bromobenzene	0.698	0.721	-3.3	97	0.00
85	TP	n-Propylbenzene	3.257	3.271	-0.4	98	0.00
86	TP	1,4-Dichlorobutane	0.744	0.741	0.4	97	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.502	0.468	6.8	89	0.00
88	TP	4-Ethyltoluene	2.740	2.981	-8.8	104	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
89 TP	2-Chlorotoluene	1.935	1.936	-0.1	96	0.00
90 TP	1,3,5-Trimethylbenzene	2.339	2.274	2.8	94	0.00
91 TP	1,2,3-Trichloropropane	0.386	0.370	4.1	91	0.00
92 TP	trans-1,4-Dichloro-2-butene	0.115	0.122	-6.1	96	0.00
93 TP	4-Chlorotoluene	1.957	1.909	2.5	95	0.00
94 TP	tert-Butylbenzene	1.978	1.978	0.0	97	0.00
97 TP	1,2,4-Trimethylbenzene	2.255	2.289	-1.5	98	0.00
98 TP	sec-Butylbenzene	2.802	2.766	1.3	96	0.00
99 TP	p-Isopropyltoluene	2.397	2.384	0.5	97	0.00
100 TP	1,3-Dichlorobenzene	1.285	1.295	-0.8	96	0.00
101 TP	1,4-Dichlorobenzene	1.321	1.301	1.5	96	0.00
102 TP	p-Diethylbenzene	1.366	1.405	-2.9	100	0.00
103 TP	n-Butylbenzene	1.900	1.922	-1.2	101	0.00
104 TP	1,2-Dichlorobenzene	1.139	1.141	-0.2	96	0.00
105 TP	1,2,4,5-Tetramethylbenzene	1.926	2.034	-5.6	103	0.00
106 TP	1,2-Dibromo-3-chloropropane	0.070	0.069	1.4	92	0.00
107 TP	1,3,5-Trichlorobenzene	0.751	0.768	-2.3	99	0.00
108 TP	Hexachlorobutadiene	0.280	0.290	-3.6	101	0.00
109 TP	1,2,4-Trichlorobenzene	0.616	0.608	1.3	95	0.00
110 TP	Naphthalene	1.114	1.115	-0.1	94	0.00
111 TP	1,2,3-Trichlorobenzene	0.471	0.476	-1.1	97	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	306620	10.000	ug/L	0.00
Standard Area 1 = 310005			Recovery =	98.91%		
59) Chlorobenzene-d5	9.334	117	241559	10.000	ug/L	0.00
Standard Area 1 = 243650			Recovery =	99.14%		
79) 1,4-Dichlorobenzene-d4	12.081	152	131954	10.000	ug/L	0.00
Standard Area 1 = 136217			Recovery =	96.87%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	82146	9.930	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.30%		
43) 1,2-Dichloroethane-d4	5.547	65	79188	9.532	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.32%		
60) Toluene-d8	7.502	98	306378	10.166	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.66%		
83) 4-Bromofluorobenzene	10.854	95	115398	10.105	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.05%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	93844	11.213	ug/L	100
3) Chloromethane	1.771	50	110418	11.036	ug/L	98
4) Vinyl chloride	1.838	62	108187	10.536	ug/L	99
5) Bromomethane	2.131	94	72849	10.262	ug/L	100
6) Chloroethane	2.242	64	78737	10.001	ug/L	100
7) Trichlorofluoromethane	2.373	101	163506	11.055	ug/L	99
8) Ethyl ether	2.661	74	47244	9.547	ug/L	98
10) 1,1-Dichloroethene	2.834	96	79570	8.792	ug/L	99
11) Carbon disulfide	2.864	76	216947	8.107	ug/L	100
12) Freon-113	2.870	101	94087	11.044	ug/L #	67
13) Iodomethane	2.970	142	81580	7.414	ug/L	99
14) Acrolein	3.157	56	7230	9.285	ug/L #	21
15) Methylene chloride	3.375	84	76186	9.290	ug/L	99
17) Acetone	3.425	43	11632	9.062	ug/L	99
18) trans-1,2-Dichloroethene	3.522	96	80512	9.727	ug/L	98
19) Methyl acetate	3.534	43	32727	10.060	ug/L #	90
20) Methyl tert-butyl ether	3.620	73	168802	8.947	ug/L	99
21) tert-Butyl alcohol	3.723	59	19981	46.394	ug/L #	80
22) Diisopropyl ether	3.969	45	241955	9.625	ug/L	99
23) 1,1-Dichloroethane	4.086	63	143583	9.685	ug/L	99
24) Halothane	4.139	117	68201	11.059	ug/L	98

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
25) Acrylonitrile	4.141	53	15008	9.508	ug/L		96
26) Ethyl tert-butyl ether	4.309	59	220941	9.740	ug/L		99
27) Vinyl acetate	4.320	43	120290	12.165	ug/L		98
28) cis-1,2-Dichloroethene	4.599	96	85560	9.484	ug/L		98
29) 2,2-Dichloropropane	4.694	77	97278	8.643	ug/L		99
30) Bromochloromethane	4.783	128	40594	10.006	ug/L		98
31) Cyclohexane	4.786	56	147884	10.650	ug/L		100
32) Chloroform	4.855	83	133929	9.592	ug/L		99
33) Ethyl acetate	4.972	43	45449	8.884	ug/L		98
34) Carbon tetrachloride	4.989	117	114069	10.205	ug/L		99
35) Tetrahydrofuran	5.017	42	15002M1	9.990	ug/L		
37) 1,1,1-Trichloroethane	5.051	97	122632	9.907	ug/L		100
39) 2-Butanone	5.151	43	16185	9.285	ug/L		100
40) 1,1-Dichloropropene	5.170	75	105954	10.413	ug/L		99
41) Benzene	5.410	78	303560	9.896	ug/L		99
42) tert-Amyl methyl ether	5.525	73	181733	9.368	ug/L		99
44) 1,2-Dichloroethane	5.611	62	89378	9.850	ug/L		97
47) Methyl cyclohexane	5.990	83	146407	10.626	ug/L		97
48) Trichloroethene	6.001	95	82821	9.397	ug/L		98
50) Dibromomethane	6.445	93	41189	9.614	ug/L		99
51) 1,2-Dichloropropane	6.540	63	77080	9.386	ug/L		99
53) 2-Chloroethyl vinyl ether	7.237	63	4869	8.690	ug/L	#	50
54) Bromodichloromethane	6.618	83	100802	9.399	ug/L		99
57) 1,4-Dioxane	6.827	88	14554	361.867	ug/L	#	96
58) cis-1,3-Dichloropropene	7.295	75	116839	9.478	ug/L		99
61) Toluene	7.560	92	196985	9.896	ug/L		99
62) 4-Methyl-2-pentanone	7.995	58	15969	9.383	ug/L		98
63) Tetrachloroethene	8.007	166	90934	10.246	ug/L		99
65) trans-1,3-Dichloropropene	8.046	75	97844	10.105	ug/L		99
67) Ethyl methacrylate	8.232	69	73297	10.339	ug/L		99
68) 1,1,2-Trichloroethane	8.224	83	47149	9.620	ug/L		99
69) Chlorodibromomethane	8.439	129	75965	9.705	ug/L		99
70) 1,3-Dichloropropane	8.545	76	97670	10.025	ug/L		99
71) 1,2-Dibromoethane	8.709	107	57061	9.922	ug/L		99
72) 2-Hexanone	9.005	43	25005	8.771	ug/L	#	93
73) Chlorobenzene	9.356	112	226629	9.855	ug/L		99
74) Ethylbenzene	9.395	91	382799	9.967	ug/L		100
75) 1,1,1,2-Tetrachloroethane	9.443	131	83820	9.938	ug/L		100
76) p/m Xylene	9.579	106	308228	19.902	ug/L		100
77) o Xylene	10.126	106	298809	19.669	ug/L		99

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Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250605AICAL\V01250605A08.D
Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
78)	Styrene	10.196	104	480779	19.807	ug/L	99
80)	Bromoform	10.223	173	45959	9.759	ug/L	100
82)	Isopropylbenzene	10.522	105	378012	10.014	ug/L	100
84)	Bromobenzene	10.965	156	95110	10.325	ug/L	98
85)	n-Propylbenzene	11.010	91	431639	10.044	ug/L	100
86)	1,4-Dichlorobutane	11.024	55	97807	9.966	ug/L	99
87)	1,1,2,2-Tetrachloroethane	11.107	83	61731	9.320	ug/L	99
88)	4-Ethyltoluene	11.141	105	393378	10.880	ug/L	99
89)	2-Chlorotoluene	11.180	91	255449M4	10.005	ug/L	
90)	1,3,5-Trimethylbenzene	11.241	105	300111	9.724	ug/L	99
91)	1,2,3-Trichloropropane	11.241	75	48849M1	9.602	ug/L	
92)	trans-1,4-Dichloro-2-b...	11.300	53	16068	10.545	ug/L	99
93)	4-Chlorotoluene	11.370	91	251869	9.752	ug/L	99
94)	tert-Butylbenzene	11.584	119	260962	10.000	ug/L	100
97)	1,2,4-Trimethylbenzene	11.665	105	301982	10.147	ug/L	100
98)	sec-Butylbenzene	11.774	105	364956	9.869	ug/L	100
99)	p-Isopropyltoluene	11.933	119	314514	9.945	ug/L	99
100)	1,3-Dichlorobenzene	12.000	146	170931	10.084	ug/L	99
101)	1,4-Dichlorobenzene	12.095	146	171607	9.842	ug/L	99
102)	p-Diethylbenzene	12.312	119	185368	10.281	ug/L	99
103)	n-Butylbenzene	12.371	91	253598	10.117	ug/L	100
104)	1,2-Dichlorobenzene	12.521	146	150518	10.014	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.112	119	268341	10.557	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.305	155	9136	9.822	ug/L	99
107)	1,3,5-Trichlorobenzene	13.341	180	101393	10.225	ug/L	99
108)	Hexachlorobutadiene	13.918	225	38201	10.341	ug/L	99
109)	1,2,4-Trichlorobenzene	13.941	180	80243	9.866	ug/L	100
110)	Naphthalene	14.231	128	147190	10.013	ug/L	100
111)	1,2,3-Trichlorobenzene	14.404	180	62799	10.101	ug/L	97

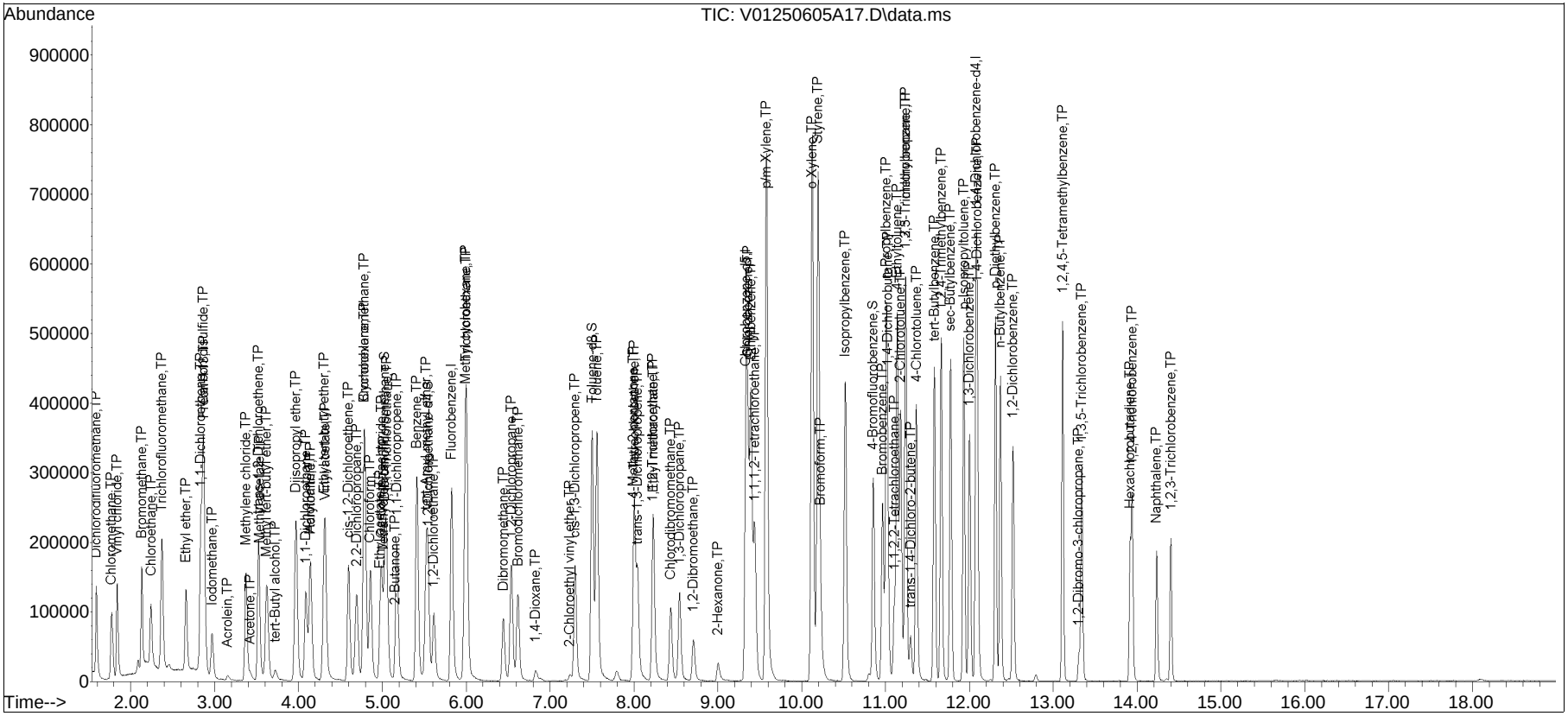
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250605AICAL\
Data File : V01250605A17.D
Acq On : 5 Jun 2025 8:08 pm
Operator : VOA101:PID
Sample : C8260STD10PPB
Misc : WG2075731,ICAL
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 06 07:30:15 2025
Quant Method : K:\VOA101\2025\250605AICAL\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 07:29:01 2025
Response via : Initial Calibration

Sub List : 8260-Curve - Megamix plus Diox\V01250605A08.D•

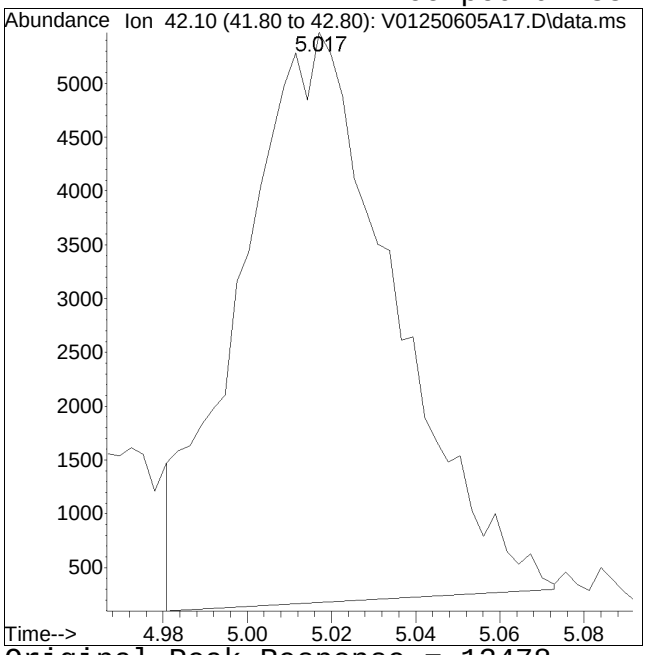


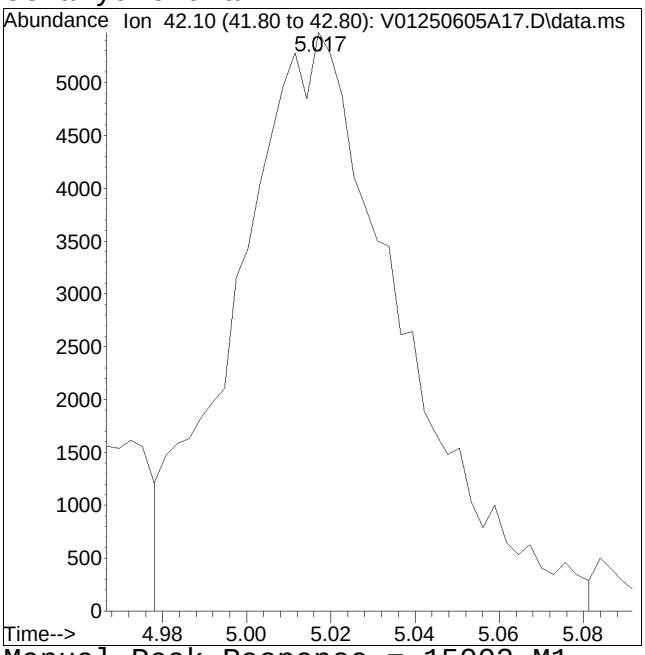
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQ
Data File : V01250605A17.D
Date Inj'd : 6/5/2025 8:08 pm
Sample : C8260STD10PPB

Method : V101_250605A_8260.m
Operator : VOA101:PID
Instrument : VOA 101
Quant Date : 6/6/2025 7:29 am

Compound #35: Tetrahydrofuran





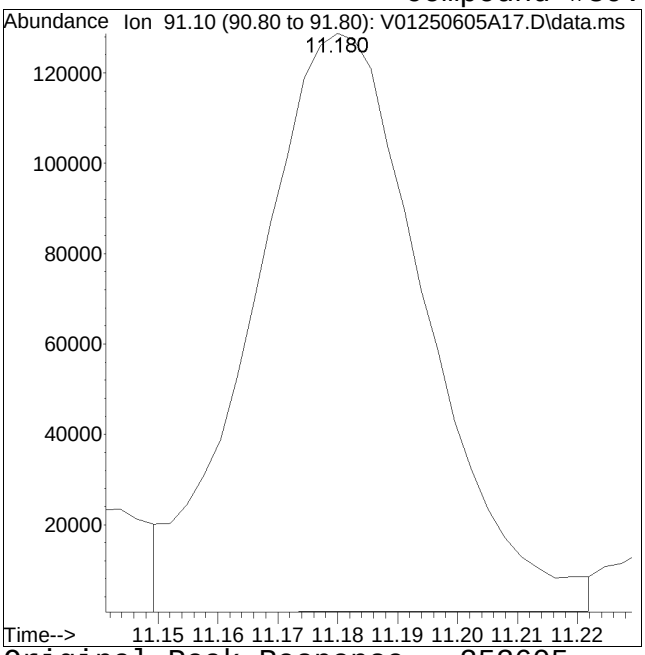
Original Peak Response = 13478 Manual Peak Response = 15002 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

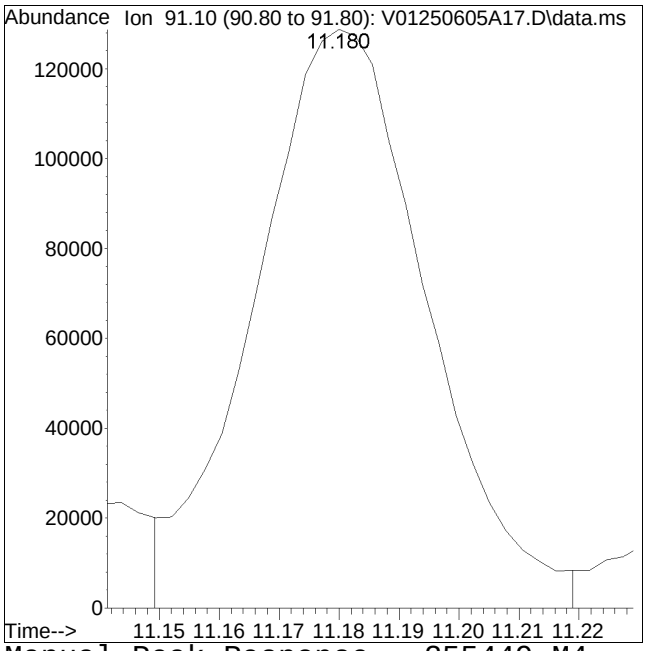
Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A17.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 8:08 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 6/6/2025 7:29 am

Compound #89: 2-Chlorotoluene



Original Peak Response = 253605



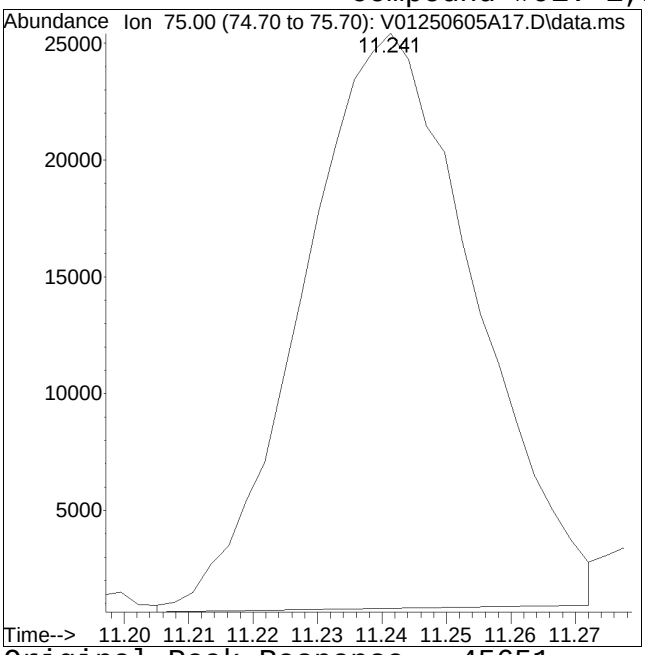
Manual Peak Response = 255449 M4

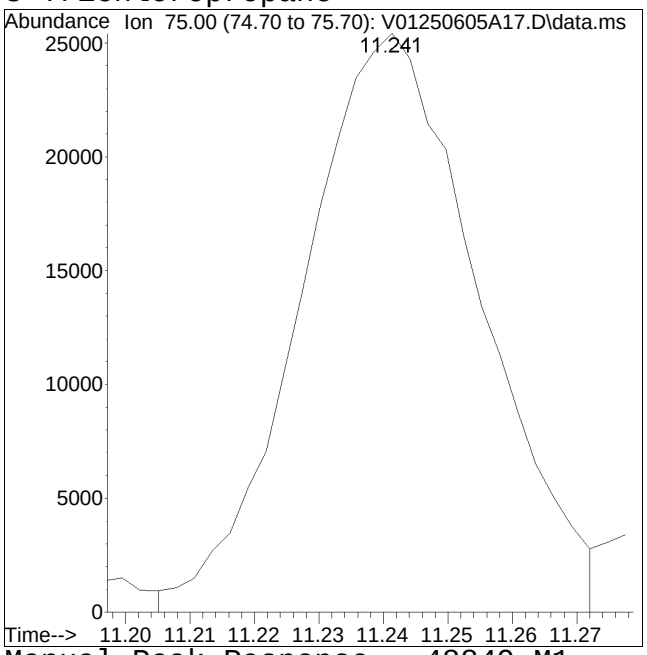
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : K:\VOA101\2025\250605AICALQMethod : V101_250605A_8260.m
Data File : V01250605A17.D Operator : VOA101:PID
Date Inj'd : 6/5/2025 8:08 pm Instrument : VOA 101
Sample : C8260STD10PPB Quant Date : 6/6/2025 7:29 am

Compound #91: 1,2,3-Trichloropropane





Original Peak Response = 45651 Manual Peak Response = 48849 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Relative Error Report VOA 101

Method Path : K:\VOA101\2025\250605AICAL\
Method File : V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 07:29:01 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
47	TP Methyl cyclohexane	L	ug/L	10.0	9.593	-4.1	2.00	2.111	5.6

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
47	TP Methyl cyclohexane	Linear	0.999792	0.000000	0.499784	-0.0535646

Continuing Calibration

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: ELAINE	**Calibration Date**	: 06/19/25 09:47		
Lab File ID	: VE250619A01	**Init. Calib. Date(s)**	: 05/23/25	05/23/25	
Sample No	: WG2081757-2	**Init. Calib. Times**	: 01:46	05:49	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	97	0
Dichlorodifluoromethane	0.322	0.225	-	30.1*	20	58	0
Chloromethane	0.341	0.26	-	23.8*	20	64	0
Vinyl chloride	0.294	0.293	-	0.3	20	81	0
Bromomethane	0.164	0.139	-	15.2	20	82	0
Chloroethane	0.191	0.233	-	-22*	20	100	-.01
Trichlorofluoromethane	0.383	0.408	-	-6.5	20	90	0
Ethyl ether	0.12	0.14	-	-16.7	20	104	0
1,1-Dichloroethene	0.226	0.26	-	-15	20	98	0
Carbon disulfide	0.713	0.818	-	-14.7	20	99	0
Freon-113	0.223	0.252	-	-13	20	95	0
Methylene chloride	0.248	0.27	-	-8.9	20	93	0
Acetone	0.055	0.05	-	9.1	20	90	0
trans-1,2-Dichloroethene	0.231	0.251	-	-8.7	20	92	0
Methyl acetate	0.133	0.1	-	24.8*	20	68	0
Methyl tert-butyl ether	0.527	0.488	-	7.4	20	90	0
tert-Butyl alcohol	0.01	0.013	-	-30*	20	115	0
Diisopropyl ether	0.825	0.626	-	24.1*	20	71	0
1,1-Dichloroethane	0.456	0.481	-	-5.5	20	89	0
Halothane	0.171	0.196	-	-14.6	20	102	0
Acrylonitrile	0.067	0.062	-	7.5	20	81	0
Ethyl tert-butyl ether	0.644	0.53	-	17.7	20	80	0
Vinyl acetate	0.434	0.357	-	17.7	20	82	0
cis-1,2-Dichloroethene	0.267	0.293	-	-9.7	20	95	0
2,2-Dichloropropane	0.354	0.357	-	-0.8	20	86	0
Bromochloromethane	0.127	0.146	-	-15	20	100	0
Cyclohexane	0.483	0.406	-	15.9	20	74	0
Chloroform	0.425	0.451	-	-6.1	20	95	0
Ethyl acetate	0.176	0.138	-	21.6*	20	81	0
Carbon tetrachloride	0.299	0.323	-	-8	20	95	-.01
Tetrahydrofuran	0.063	0.044	-	30.2*	20	69	0
Dibromofluoromethane	0.278	0.286	-	-2.9	20	95	0
1,1,1-Trichloroethane	0.346	0.366	-	-5.8	20	93	0
2-Butanone	0.08	0.064	-	20	20	82	0
1,1-Dichloropropene	0.265	0.278	-	-4.9	20	97	0
Benzene	0.909	0.961	-	-5.7	20	100	0
tert-Amyl methyl ether	0.545	0.454	-	16.7	20	78	0
1,2-Dichloroethane-d4	0.276	0.279	-	-1.1	20	90	0
1,2-Dichloroethane	0.271	0.278	-	-2.6	20	90	0
Methyl cyclohexane	0.41	0.376	-	8.3	20	85	0
Trichloroethene	0.222	0.237	-	-6.8	20	103	0
Dibromomethane	0.129	0.134	-	-3.9	20	97	0
1,2-Dichloropropane	0.237	0.236	-	0.4	20	93	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: ELAINE	**Calibration Date**	: 06/19/25 09:47		
Lab File ID	: VE250619A01	**Init. Calib. Date(s)**	: 05/23/25	05/23/25	
Sample No	: WG2081757-2	**Init. Calib. Times**	: 01:46	05:49	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.307	0.306	-	0.3	20	95	0
1,4-Dioxane	0.00113	0.00185*	-	-63.7*	20	137	0
cis-1,3-Dichloropropene	0.341	0.342	-	-0.3	20	96	0
Chlorobenzene-d5	1	1	-	0	20	94	0
Toluene-d8	1.26	1.259	-	0.1	20	91	0
Toluene	0.73	0.794	-	-8.8	20	97	0
4-Methyl-2-pentanone	0.072	0.063	-	12.5	20	77	0
Tetrachloroethene	0.305	0.37	-	-21.3*	20	109	0
trans-1,3-Dichloropropene	0.354	0.351	-	0.8	20	94	0
Ethyl methacrylate	0.305	0.255	-	16.4	20	76	0
1,1,2-Trichloroethane	0.176	0.187*	-	-6.3	20	105	0
Chlorodibromomethane	0.274	0.282	-	-2.9	20	104	0
1,3-Dichloropropane	0.371	0.392	-	-5.7	20	103	0
1,2-Dibromoethane	0.211	0.22	-	-4.3	20	102	0
2-Hexanone	0.164	0.107	-	34.8*	20	60	0
Chlorobenzene	0.853	0.964	-	-13	20	103	0
Ethylbenzene	1.493	1.587	-	-6.3	20	97	0
1,1,1,2-Tetrachloroethane	0.281	0.312	-	-11	20	107	0
p/m Xylene	0.624	0.646	-	-3.5	20	97	0
o Xylene	0.617	0.631	-	-2.3	20	94	0
Styrene	1.039	1.058	-	-1.8	20	95	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	101	0
Bromoform	0.297	0.308	-	-3.7	20	113	0
Isopropylbenzene	2.756	2.666	-	3.3	20	95	0
4-Bromofluorobenzene	0.806	0.721	-	10.5	20	88	0
Bromobenzene	0.63	0.696	-	-10.5	20	110	0
n-Propylbenzene	3.248	3.234	-	0.4	20	96	0
1,4-Dichlorobutane	0.762	0.652	-	14.4	20	84	0
1,1,2,2-Tetrachloroethane	0.437	0.469	-	-7.3	20	107	0
4-Ethyltoluene	2.768	2.683	-	3.1	20	94	0
2-Chlorotoluene	1.927	1.968	-	-2.1	20	103	0
1,3,5-Trimethylbenzene	2.427	2.421	-	0.2	20	100	0
1,2,3-Trichloropropane	0.38	0.385	-	-1.3	20	103	0
trans-1,4-Dichloro-2-buten	0.154	0.121	-	21.4*	20	77	0
4-Chlorotoluene	2.002	1.995	-	0.3	20	98	0
tert-Butylbenzene	2.111	2.072	-	1.8	20	97	0
1,2,4-Trimethylbenzene	2.359	2.404	-	-1.9	20	100	0
sec-Butylbenzene	3.03	3.016	-	0.5	20	97	0
p-Isopropyltoluene	2.689	2.734	-	-1.7	20	99	0
1,3-Dichlorobenzene	1.393	1.537	-	-10.3	20	110	0
1,4-Dichlorobenzene	1.374	1.493	-	-8.7	20	111	0
p-Diethylbenzene	1.611	1.623	-	-0.7	20	97	0
n-Butylbenzene	2.22	2.236	-	-0.7	20	98	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: ELAINE	**Calibration Date**	: 06/19/25 09:47		
Lab File ID	: VE250619A01	**Init. Calib. Date(s)**	: 05/23/25	05/23/25	
Sample No	: WG2081757-2	**Init. Calib. Times**	: 01:46	05:49	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	1.296	1.429	-	-10.3	20	109	0
1,2,4,5-Tetramethylbenzene	2.509	2.502	-	0.3	20	102	0
1,2-Dibromo-3-chloropropan	0.079	0.083	-	-5.1	20	101	0
1,3,5-Trichlorobenzene	0.943	1.091	-	-15.7	20	118	0
Hexachlorobutadiene	0.267	0.352	-	-31.8*	20	126	0
1,2,4-Trichlorobenzene	0.847	0.942	-	-11.2	20	112	0
Naphthalene	1.978	1.863	-	5.8	20	95	0
1,2,3-Trichlorobenzene	0.759	0.855	-	-12.6	20	114	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA101	**Calibration Date**	: 06/19/25 20:32		
Lab File ID	: V01250619N02	**Init. Calib. Date(s)**	: 06/05/25	06/05/25	
Sample No	: WG2081999-2	**Init. Calib. Times**	: 13:54	17:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	73	0
Dichlorodifluoromethane	0.273	0.199	-	27.1*	20	53	0
Chloromethane	0.326	0.258	-	20.9*	20	58	0
Vinyl chloride	0.335	0.303	-	9.6	20	65	0
Bromomethane	0.232	0.178	-	23.3*	20	66	0
Chloroethane	0.257	0.309	-	-20.2*	20	89	0
Trichlorofluoromethane	0.482	0.515	-	-6.8	20	79	0
Ethyl ether	0.161	0.172	-	-6.8	20	77	0
1,1-Dichloroethene	0.295	0.257	-	12.9	20	67	0
Carbon disulfide	0.873	0.599	-	31.4*	20	50	0
Freon-113	0.278	0.225	-	19.1	20	59	0
Methylene chloride	0.267	0.245	-	8.2	20	67	0
Acetone	0.042	0.043	-	-2.4	20	70	0
trans-1,2-Dichloroethene	0.27	0.233	-	13.7	20	65	0
Methyl acetate	0.106	0.104	-	1.9	20	69	0
Methyl tert-butyl ether	0.615	0.512	-	16.7	20	60	0
tert-Butyl alcohol	0.014	0.012	-	14.3	20	60	0
Diisopropyl ether	0.82	0.78	-	4.9	20	70	0
1,1-Dichloroethane	0.484	0.448	-	7.4	20	68	0
Halothane	0.201	0.174	-	13.4	20	64	0
Acrylonitrile	0.051	0.051	-	0	20	71	0
Ethyl tert-butyl ether	0.74	0.634	-	14.3	20	62	0
Vinyl acetate	0.342	0.397	-	-16.1	20	75	0
cis-1,2-Dichloroethene	0.294	0.259	-	11.9	20	63	0
2,2-Dichloropropane	0.367	0.267	-	27.2*	20	54	0
Bromochloromethane	0.132	0.121	-	8.3	20	64	0
Cyclohexane	0.453	0.41	-	9.5	20	69	0
Chloroform	0.455	0.416	-	8.6	20	67	0
Ethyl acetate	0.167	0.15	-	10.2	20	70	0
Carbon tetrachloride	0.365	0.309	-	15.3	20	60	0
Tetrahydrofuran	0.049	0.046	-	6.1	20	68	0
Dibromofluoromethane	0.27	0.271	-	-0.4	20	74	0
1,1,1-Trichloroethane	0.404	0.361	-	10.6	20	66	0
2-Butanone	0.057	0.052	-	8.8	20	67	0
1,1-Dichloropropene	0.332	0.292	-	12	20	64	0
Benzene	1	0.918	-	8.2	20	66	0
tert-Amyl methyl ether	0.633	0.503	-	20.5*	20	58	0
1,2-Dichloroethane-d4	0.271	0.283	-	-4.4	20	79	0
1,2-Dichloroethane	0.296	0.287	-	3	20	68	0
Methyl cyclohexane	10	8.51	-	14.9	20	64	0
Trichloroethene	0.287	0.25	-	12.9	20	65	0
Dibromomethane	0.14	0.131	-	6.4	20	68	0
1,2-Dichloropropane	0.268	0.245	-	8.6	20	67	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA101	**Calibration Date**	: 06/19/25 20:32		
Lab File ID	: V01250619N02	**Init. Calib. Date(s)**	: 06/05/25	06/05/25	
Sample No	: WG2081999-2	**Init. Calib. Times**	: 13:54	17:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.35	0.3	-	14.3	20	62	0
1,4-Dioxane	0.00131	0.00114*	-	13	20	57	0
cis-1,3-Dichloropropene	0.402	0.316	-	21.4*	20	57	0
Chlorobenzene-d5	1	1	-	0	20	71	0
Toluene-d8	1.248	1.295	-	-3.8	20	73	0
Toluene	0.824	0.773	-	6.2	20	65	0
4-Methyl-2-pentanone	0.07	0.066	-	5.7	20	62	0
Tetrachloroethene	0.367	0.339	-	7.6	20	63	0
trans-1,3-Dichloropropene	0.401	0.342	-	14.7	20	58	0
Ethyl methacrylate	0.293	0.259	-	11.6	20	59	0
1,1,2-Trichloroethane	0.203	0.2	-	1.5	20	69	0
Chlorodibromomethane	0.324	0.269	-	17	20	57	0
1,3-Dichloropropane	0.403	0.405	-	-0.5	20	68	0
1,2-Dibromoethane	0.238	0.23	-	3.4	20	67	0
2-Hexanone	0.118	0.112	-	5.1	20	67	0
Chlorobenzene	0.952	0.884	-	7.1	20	64	0
Ethylbenzene	1.59	1.51	-	5	20	67	0
1,1,1,2-Tetrachloroethane	0.349	0.308	-	11.7	20	61	0
p/m Xylene	0.641	0.593	-	7.5	20	65	0
o Xylene	0.629	0.582	-	7.5	20	65	0
Styrene	1.005	0.94	-	6.5	20	66	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	70	0
Bromoform	0.357	0.263	-	26.3*	20	51	0
Isopropylbenzene	2.861	2.696	-	5.8	20	66	0
4-Bromofluorobenzene	0.865	0.866	-	-0.1	20	71	0
Bromobenzene	0.698	0.663	-	5	20	64	0
n-Propylbenzene	3.257	3.193	-	2	20	69	0
1,4-Dichlorobutane	0.744	0.734	-	1.3	20	69	0
1,1,2,2-Tetrachloroethane	0.502	0.514	-	-2.4	20	71	0
4-Ethyltoluene	2.74	2.638	-	3.7	20	67	0
2-Chlorotoluene	1.935	1.84	-	4.9	20	66	0
1,3,5-Trimethylbenzene	2.339	2.199	-	6	20	66	0
1,2,3-Trichloropropane	0.386	0.354	-	8.3	20	63	0
trans-1,4-Dichloro-2-buten	0.115	0.099	-	13.9	20	57	0
4-Chlorotoluene	1.957	1.887	-	3.6	20	68	0
tert-Butylbenzene	1.978	1.857	-	6.1	20	66	0
1,2,4-Trimethylbenzene	2.255	2.155	-	4.4	20	67	0
sec-Butylbenzene	2.802	2.674	-	4.6	20	68	0
p-Isopropyltoluene	2.397	2.243	-	6.4	20	66	0
1,3-Dichlorobenzene	1.285	1.239	-	3.6	20	67	0
1,4-Dichlorobenzene	1.321	1.248	-	5.5	20	67	0
p-Diethylbenzene	1.366	1.247	-	8.7	20	64	0
n-Butylbenzene	1.9	1.821	-	4.2	20	69	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA101	**Calibration Date**	: 06/19/25 20:32		
Lab File ID	: V01250619N02	**Init. Calib. Date(s)**	: 06/05/25	06/05/25	
Sample No	: WG2081999-2	**Init. Calib. Times**	: 13:54	17:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	1.139	1.113	-	2.3	20	68	0
1,2,4,5-Tetramethylbenzene	1.926	1.654	-	14.1	20	61	0
1,2-Dibromo-3-chloropropan	0.07	0.057	-	18.6	20	54	0
1,3,5-Trichlorobenzene	0.751	0.67	-	10.8	20	62	0
Hexachlorobutadiene	0.28	0.227	-	18.9	20	58	0
1,2,4-Trichlorobenzene	0.616	0.529	-	14.1	20	60	0
Naphthalene	1.114	1.004	-	9.9	20	61	0
1,2,3-Trichlorobenzene	0.471	0.421	-	10.6	20	62	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA130	**Calibration Date**	: 06/20/25 11:46		
Lab File ID	: V30250620B05	**Init. Calib. Date(s)**	: 05/21/25	05/21/25	
Sample No	: WG2082353-2	**Init. Calib. Times**	: 02:55	06:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	81	0
Dichlorodifluoromethane	0.235	0.255	-	-8.5	20	84	0
Chloromethane	0.243	0.251	-	-3.3	20	81	0
Vinyl chloride	0.235	0.254	-	-8.1	20	86	0
Bromomethane	0.156	0.124	-	20.5*	20	67	0
Chloroethane	0.137	0.17	-	-24.1*	20	98	0
Trichlorofluoromethane	0.285	0.34	-	-19.3	20	93	0
Ethyl ether	0.091	0.08	-	12.1	20	71	0
1,1-Dichloroethene	0.185	0.207	-	-11.9	20	89	0
Carbon disulfide	0.517	0.602	-	-16.4	20	94	0
Methylene chloride	0.213	0.234	-	-9.9	20	88	0
Acetone	10	8.51	-	14.9	20	73	0
trans-1,2-Dichloroethene	0.198	0.215	-	-8.6	20	88	0
Methyl tert-butyl ether	0.382	0.261	-	31.7*	20	61	0
1,1-Dichloroethane	0.354	0.401	-	-13.3	20	89	0
Acrylonitrile	0.039	0.04	-	-2.6	20	79	0
Vinyl acetate	0.21	0.185	-	11.9	20	84	0
cis-1,2-Dichloroethene	0.225	0.24	-	-6.7	20	85	0
2,2-Dichloropropane	0.274	0.299	-	-9.1	20	87	0
Bromochloromethane	0.109	0.116	-	-6.4	20	85	0
Chloroform	0.367	0.387	-	-5.4	20	86	0
Carbon tetrachloride	0.255	0.271	-	-6.3	20	85	0
Dibromofluoromethane	0.312	0.341	-	-9.3	20	88	0
1,1,1-Trichloroethane	0.284	0.301	-	-6	20	84	0
2-Butanone	0.04	0.028	-	30*	20	59	0
1,1-Dichloropropene	0.217	0.199	-	8.3	20	79	0
Benzene	0.694	0.66	-	4.9	20	80	0
1,2-Dichloroethane-d4	0.273	0.282	-	-3.3	20	84	0
1,2-Dichloroethane	0.21	0.202	-	3.8	20	78	0
Trichloroethene	0.182	0.166*	-	8.8	20	79	0
Dibromomethane	0.105	0.104	-	1	20	81	0
1,2-Dichloropropane	0.169	0.153*	-	9.5	20	77	0
Bromodichloromethane	0.244	0.216*	-	11.5	20	76	0
1,4-Dioxane	0.00115	0.00087*	-	24.3*	20	56	0
cis-1,3-Dichloropropene	0.265	0.224*	-	15.5	20	71	0
Chlorobenzene-d5	1	1	-	0	20	88	0
Toluene-d8	1.32	1.293	-	2	20	86	0
Toluene	0.566	0.55	-	2.8	20	84	0
4-Methyl-2-pentanone	0.042	0.03	-	28.6*	20	63	0
Tetrachloroethene	0.258	0.258	-	0	20	88	0
trans-1,3-Dichloropropene	0.272	0.218*	-	19.9	20	71	0
Ethyl methacrylate	0.179	0.149	-	16.8	20	72	0
1,1,2-Trichloroethane	0.136	0.106*	-	22.1*	20	72	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Volatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: VOA130	**Calibration Date**	: 06/20/25 11:46		
Lab File ID	: V30250620B05	**Init. Calib. Date(s)**	: 05/21/25	05/21/25	
Sample No	: WG2082353-2	**Init. Calib. Times**	: 02:55	06:33	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Chlorodibromomethane	0.215	0.164*	-	23.7*	20	72	0
1,3-Dichloropropane	0.284	0.228	-	19.7	20	72	0
1,2-Dibromoethane	0.164	0.133*	-	18.9	20	72	0
2-Hexanone	0.069	0.049	-	29*	20	61	0
Chlorobenzene	0.64	0.627	-	2	20	86	0
Ethylbenzene	1.066	1.051	-	1.4	20	85	0
1,1,1,2-Tetrachloroethane	0.217	0.179	-	17.5	20	75	0
p/m Xylene	0.437	0.449	-	-2.7	20	89	0
o Xylene	0.427	0.429	-	-0.5	20	87	0
Styrene	0.701	0.693	-	1.1	20	85	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	99	0
Bromoform	0.217	0.161	-	25.8*	20	75	0
Isopropylbenzene	1.828	1.659	-	9.2	20	88	0
4-Bromofluorobenzene	0.802	0.732	-	8.7	20	91	0
Bromobenzene	0.483	0.434	-	10.1	20	89	0
n-Propylbenzene	2.11	1.995	-	5.5	20	91	0
1,4-Dichlorobutane	0.429	0.334	-	22.1*	20	77	0
1,1,2,2-Tetrachloroethane	0.3	0.236	-	21.3*	20	78	0
4-Ethyltoluene	1.799	1.717	-	4.6	20	91	0
2-Chlorotoluene	1.274	1.198	-	6	20	91	0
1,3,5-Trimethylbenzene	1.488	1.44	-	3.2	20	99	0
1,2,3-Trichloropropane	0.239	0.189	-	20.9*	20	79	0
trans-1,4-Dichloro-2-buten	0.071	0.056	-	21.1*	20	80	0
4-Chlorotoluene	1.347	1.256	-	6.8	20	91	0
tert-Butylbenzene	1.358	1.254	-	7.7	20	89	0
1,2,4-Trimethylbenzene	1.438	1.404	-	2.4	20	102	0
sec-Butylbenzene	1.893	1.83	-	3.3	20	93	0
p-Isopropyltoluene	1.658	1.601	-	3.4	20	96	0
1,3-Dichlorobenzene	0.945	0.919	-	2.8	20	97	0
1,4-Dichlorobenzene	0.955	0.925	-	3.1	20	97	0
p-Diethylbenzene	0.956	0.912	-	4.6	20	101	0
n-Butylbenzene	1.294	1.294	-	0	20	103	0
1,2-Dichlorobenzene	0.876	0.846	-	3.4	20	96	0
1,2,4,5-Tetramethylbenzene	1.377	1.371	-	0.4	20	110	0
1,2-Dibromo-3-chloropropan	0.053	0.045	-	15.1	20	84	-.01
Hexachlorobutadiene	0.241	0.246	-	-2.1	20	107	-.01
1,2,4-Trichlorobenzene	0.57	0.596	-	-4.6	20	111	0
Naphthalene	1.113	1.008	-	9.4	20	91	0
1,2,3-Trichlorobenzene	0.533	0.555	-	-4.1	20	105	-.01

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	97	0.00
2	TP	Dichlorodifluoromethane	0.322	0.225	30.1#	58	0.00
3	TP	Chloromethane	0.341	0.260	23.8#	64	0.00
4	TP	Vinyl chloride	0.294	0.293	0.3	81	0.00
5	TP	Bromomethane	0.164	0.139	15.2	82	0.00
6	TP	Chloroethane	0.191	0.233	-22.0#	100	-0.01
7	TP	Trichlorofluoromethane	0.383	0.408	-6.5	90	0.00
8	TP	Ethyl ether	0.120	0.140	-16.7	104	0.00
10	TP	1,1-Dichloroethene	0.226	0.260	-15.0	98	0.00
11	TP	Carbon disulfide	0.713	0.818	-14.7	99	0.00
12	TP	Freon-113	0.223	0.252	-13.0	95	0.00
15	TP	Methylene chloride	0.248	0.270	-8.9	93	0.00
17	TP	Acetone	0.055	0.050	9.1	90	0.00
18	TP	trans-1,2-Dichloroethene	0.231	0.251	-8.7	92	0.00
19	TP	Methyl acetate	0.133	0.100	24.8#	68	0.00
21	TP	Methyl tert-butyl ether	0.527	0.488	7.4	90	0.00
22	TP	tert-Butyl alcohol	0.010	0.013	-30.0#	115	0.00
24	TP	Diisopropyl ether	0.825	0.626	24.1#	71	0.00
25	TP	1,1-Dichloroethane	0.456	0.481	-5.5	89	0.00
26	TP	Halothane	0.171	0.196	-14.6	102	0.00
27	TP	Acrylonitrile	0.067	0.062	7.5	81	0.00
28	TP	Ethyl tert-butyl ether	0.644	0.530	17.7	80	0.00
29	TP	Vinyl acetate	0.434	0.357	17.7	82	0.00
30	TP	cis-1,2-Dichloroethene	0.267	0.293	-9.7	95	0.00
31	TP	2,2-Dichloropropane	0.354	0.357	-0.8	86	0.00
33	TP	Bromochloromethane	0.127	0.146	-15.0	100	0.00
34	TP	Cyclohexane	0.483	0.406	15.9	74	0.00
35	TP	Chloroform	0.425	0.451	-6.1	95	0.00
36	TP	Ethyl acetate	0.176	0.138	21.6#	81	0.00
37	TP	Carbon tetrachloride	0.299	0.323	-8.0	95	-0.01
38	TP	Tetrahydrofuran	0.063	0.044	30.2#	69	0.00
39	S	Dibromofluoromethane	0.278	0.286	-2.9	95	0.00
40	TP	1,1,1-Trichloroethane	0.346	0.366	-5.8	93	0.00
42	TP	2-Butanone	0.080	0.064	20.0	82	0.00
43	TP	1,1-Dichloropropene	0.265	0.278	-4.9	97	0.00
45	TP	Benzene	0.909	0.961	-5.7	100	0.00
46	TP	tert-Amyl methyl ether	0.545	0.454	16.7	78	0.00
47	S	1,2-Dichloroethane-d4	0.276	0.279	-1.1	90	0.00
48	T	1,2-Dichloroethane	0.271	0.278	-2.6	90	0.00

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
51	TP	Methyl cyclohexane	0.410	0.376	8.3	85	0.00
52	TP	Trichloroethene	0.222	0.237	-6.8	103	0.00
54	TP	Dibromomethane	0.129	0.134	-3.9	97	0.00
55	TP	1,2-Dichloropropane	0.237	0.236	0.4	93	0.00
58	TP	Bromodichloromethane	0.307	0.306	0.3	95	0.00
61	TP	1,4-Dioxane	0.00113	0.00185#	-63.7#	137	0.00
62	TP	cis-1,3-Dichloropropene	0.341	0.342	-0.3	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00
64	S	Toluene-d8	1.260	1.259	0.1	91	0.00
65	TP	Toluene	0.730	0.794	-8.8	97	0.00
66	TP	4-Methyl-2-pentanone	0.072	0.063	12.5	77	0.00
67	TP	Tetrachloroethene	0.305	0.370	-21.3#	109	0.00
69	TP	trans-1,3-Dichloropropene	0.354	0.351	0.8	94	0.00
71	TP	Ethyl methacrylate	0.305	0.255	16.4	76	0.00
72	TP	1,1,2-Trichloroethane	0.176	0.187#	-6.3	105	0.00
73	TP	Chlorodibromomethane	0.274	0.282	-2.9	104	0.00
74	TP	1,3-Dichloropropane	0.371	0.392	-5.7	103	0.00
75	TP	1,2-Dibromoethane	0.211	0.220	-4.3	102	0.00
77	TP	2-Hexanone	0.164	0.107	34.8#	60	0.00
78	TP	Chlorobenzene	0.853	0.964	-13.0	103	0.00
79	TP	Ethylbenzene	1.493	1.587	-6.3	97	0.00
80	TP	1,1,1,2-Tetrachloroethane	0.281	0.312	-11.0	107	0.00
81	TP	p/m Xylene	0.624	0.646	-3.5	97	0.00
82	TP	o Xylene	0.617	0.631	-2.3	94	0.00
83	TP	Styrene	1.039	1.058	-1.8	95	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
85	TP	Bromoform	0.297	0.308	-3.7	113	0.00
87	TP	Isopropylbenzene	2.756	2.666	3.3	95	0.00
88	S	4-Bromofluorobenzene	0.806	0.721	10.5	88	0.00
89	TP	Bromobenzene	0.630	0.696	-10.5	110	0.00
90	TP	n-Propylbenzene	3.248	3.234	0.4	96	0.00
91	TP	1,4-Dichlorobutane	0.762	0.652	14.4	84	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.437	0.469	-7.3	107	0.00
93	TP	4-Ethyltoluene	2.768	2.683	3.1	94	0.00
94	TP	2-Chlorotoluene	1.927	1.968	-2.1	103	0.00
95	TP	1,3,5-Trimethylbenzene	2.427	2.421	0.2	100	0.00
96	TP	1,2,3-Trichloropropane	0.380	0.385	-1.3	103	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97	TP	trans-1,4-Dichloro-2-butene	0.154	0.121	21.4#	77	0.00
98	TP	4-Chlorotoluene	2.002	1.995	0.3	98	0.00
99	TP	tert-Butylbenzene	2.111	2.072	1.8	97	0.00
102	TP	1,2,4-Trimethylbenzene	2.359	2.404	-1.9	100	0.00
103	TP	sec-Butylbenzene	3.030	3.016	0.5	97	0.00
104	TP	p-Isopropyltoluene	2.689	2.734	-1.7	99	0.00
105	TP	1,3-Dichlorobenzene	1.393	1.537	-10.3	110	0.00
106	TP	1,4-Dichlorobenzene	1.374	1.493	-8.7	111	0.00
107	TP	p-Diethylbenzene	1.611	1.623	-0.7	97	0.00
108	TP	n-Butylbenzene	2.220	2.236	-0.7	98	0.00
109	TP	1,2-Dichlorobenzene	1.296	1.429	-10.3	109	0.00
110	TP	1,2,4,5-Tetramethylbenzene	2.509	2.502	0.3	102	0.00
111	TP	1,2-Dibromo-3-chloropropane	0.079	0.083	-5.1	101	0.00
112	TP	1,3,5-Trichlorobenzene	0.943	1.091	-15.7	118	0.00
113	TP	Hexachlorobutadiene	0.267	0.352	-31.8#	126	0.00
114	TP	1,2,4-Trichlorobenzene	0.847	0.942	-11.2	112	0.00
115	TP	Naphthalene	1.978	1.863	5.8	95	0.00
116	TP	1,2,3-Trichlorobenzene	0.759	0.855	-12.6	114	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 2 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.742	96	268738	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery = 100.00%		
63) Chlorobenzene-d5	9.253	117	217636	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery = 100.00%		
84) 1,4-Dichlorobenzene-d4	12.011	152	131839	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery = 100.00%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.943	113	76979	10.288 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%		
47) 1,2-Dichloroethane-d4	5.461	65	74938	10.114 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.14%		
64) Toluene-d8	7.420	98	273913	9.987 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.87%		
88) 4-Bromofluorobenzene	10.777	95	95102	8.949 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.49%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.514	85	60477	6.981 ug/L	99
3) Chloromethane	1.698	50	69888	7.617 ug/L	100
4) Vinyl chloride	1.759	62	78643	9.954 ug/L	99
5) Bromomethane	2.049	94	37460	8.524 ug/L	98
6) Chloroethane	2.155	64	62643	12.222 ug/L	96
7) Trichlorofluoromethane	2.291	101	109713	10.668 ug/L	99
8) Ethyl ether	2.572	74	37525	11.597 ug/L	84
10) 1,1-Dichloroethene	2.752	96	69777	11.496 ug/L	81
11) Carbon disulfide	2.782	76	219742	11.475 ug/L	99
12) Freon-113	2.787	101	67681	11.309 ug/L	96
15) Methylene chloride	3.287	84	72537	10.897 ug/L	83
17) Acetone	3.327	43	13325	8.959 ug/L	98
18) trans-1,2-Dichloroethene	3.432	96	67510	10.885 ug/L	89
19) Methyl acetate	3.441	43	26963	7.562 ug/L #	94
21) Methyl tert-butyl ether	3.529	73	131109	9.263 ug/L #	93
22) tert-Butyl alcohol	3.625	59	17546	63.915 ug/L #	100
24) Diisopropyl ether	3.880	45	168152	7.583 ug/L	97
25) 1,1-Dichloroethane	4.003	63	129381	10.569 ug/L	98
26) Halothane	4.065	117	52603	11.434 ug/L	97
27) Acrylonitrile	4.043	53	16709	9.250 ug/L	96
28) Ethyl tert-butyl ether	4.223	59	142444	8.226 ug/L	94

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
29) Vinyl acetate	4.227	43	95832	8.212	ug/L		96
30) cis-1,2-Dichloroethene	4.512	96	78650	10.950	ug/L		85
31) 2,2-Dichloropropane	4.609	77	95868	10.089	ug/L		86
33) Bromochloromethane	4.697	128	39334	11.487	ug/L	#	76
34) Cyclohexane	4.701	56	109090	8.407	ug/L		87
35) Chloroform	4.776	83	121103	10.598	ug/L		98
36) Ethyl acetate	4.877	43	37123	7.859	ug/L	#	94
37) Carbon tetrachloride	4.899	117	86751M6	10.785	ug/L		
38) Tetrahydrofuran	4.921	42	11861	7.060	ug/L	#	88
40) 1,1,1-Trichloroethane	4.965	97	98438	10.584	ug/L		96
42) 2-Butanone	5.057	43	17305	8.066	ug/L		95
43) 1,1-Dichloropropene	5.088	75	74707	10.506	ug/L		96
45) Benzene	5.329	78	258268	10.577	ug/L		96
46) tert-Amyl methyl ether	5.439	73	122068	8.331	ug/L		94
48) 1,2-Dichloroethane	5.531	62	74692	10.243	ug/L		99
51) Methyl cyclohexane	5.904	83	101039	9.168	ug/L		83
52) Trichloroethene	5.918	95	63598	10.647	ug/L		93
54) Dibromomethane	6.357	93	36046	10.362	ug/L		91
55) 1,2-Dichloropropane	6.456	63	63454	9.972	ug/L		99
58) Bromodichloromethane	6.533	83	82288	9.989	ug/L		100
61) 1,4-Dioxane	6.741	88	24898	820.966	ug/L	#	85
62) cis-1,3-Dichloropropene	7.212	75	91929	10.022	ug/L		92
65) Toluene	7.475	92	172808	10.883	ug/L		99
66) 4-Methyl-2-pentanone	7.909	58	13673	8.672	ug/L		84
67) Tetrachloroethene	7.918	166	80523	12.137	ug/L		96
69) trans-1,3-Dichloropropene	7.959	75	76425	9.916	ug/L		92
71) Ethyl methacrylate	8.153	69	55513	8.371	ug/L		99
72) 1,1,2-Trichloroethane	8.144	83	40632	10.625	ug/L		93
73) Chlorodibromomethane	8.348	129	61410	10.290	ug/L		98
74) 1,3-Dichloropropane	8.461	76	85275	10.568	ug/L		99
75) 1,2-Dibromoethane	8.619	107	47822	10.409	ug/L		97
77) 2-Hexanone	8.914	43	23333	6.534	ug/L		96
78) Chlorobenzene	9.267	112	209823	11.300	ug/L		91
79) Ethylbenzene	9.312	91	345319	10.628	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.357	131	67838	11.095	ug/L		98
81) p/m Xylene	9.497	106	281020	20.694	ug/L		92
82) o Xylene	10.045	106	274725	20.443	ug/L		91
83) Styrene	10.117	104	460308	20.356	ug/L		94
85) Bromoform	10.140	173	40563	10.357	ug/L		94
87) Isopropylbenzene	10.442	105	351516	9.675	ug/L		95

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
89) Bromobenzene	10.887	156	91757	11.050	ug/L		97
90) n-Propylbenzene	10.940	91	426308	9.956	ug/L		96
91) 1,4-Dichlorobutane	10.953	55	85967	8.563	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.032	83	61885	10.739	ug/L		97
93) 4-Ethyltoluene	11.068	105	353665	9.690	ug/L		96
94) 2-Chlorotoluene	11.107	91	259449M6	10.212	ug/L		
95) 1,3,5-Trimethylbenzene	11.169	105	319209	9.974	ug/L		96
96) 1,2,3-Trichloropropane	11.169	75	50722	10.131	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.226	53	15959	7.871	ug/L	#	75
98) 4-Chlorotoluene	11.292	91	263008	9.962	ug/L		93
99) tert-Butylbenzene	11.513	119	273141	9.816	ug/L		93
102) 1,2,4-Trimethylbenzene	11.596	105	317005	10.195	ug/L		94
103) sec-Butylbenzene	11.711	105	397685	9.955	ug/L		99
104) p-Isopropyltoluene	11.870	119	360444	10.166	ug/L		97
105) 1,3-Dichlorobenzene	11.931	146	202671	11.039	ug/L		97
106) 1,4-Dichlorobenzene	12.028	146	196807	10.863	ug/L		98
107) p-Diethylbenzene	12.248	119	213917	10.074	ug/L		96
108) n-Butylbenzene	12.306	91	294773	10.069	ug/L		97
109) 1,2-Dichlorobenzene	12.451	146	188372	11.028	ug/L		99
110) 1,2,4,5-Tetramethylben...	13.046	119	329903	9.972	ug/L		99
111) 1,2-Dibromo-3-chloropr...	13.240	155	10998	10.579	ug/L		97
112) 1,3,5-Trichlorobenzene	13.271	180	143871	11.569	ug/L		97
113) Hexachlorobutadiene	13.852	225	46373	13.176	ug/L		98
114) 1,2,4-Trichlorobenzene	13.870	180	124241	11.125	ug/L		99
115) Naphthalene	14.165	128	245627	9.419	ug/L		100
116) 1,2,3-Trichlorobenzene	14.332	180	112747	11.262	ug/L		99

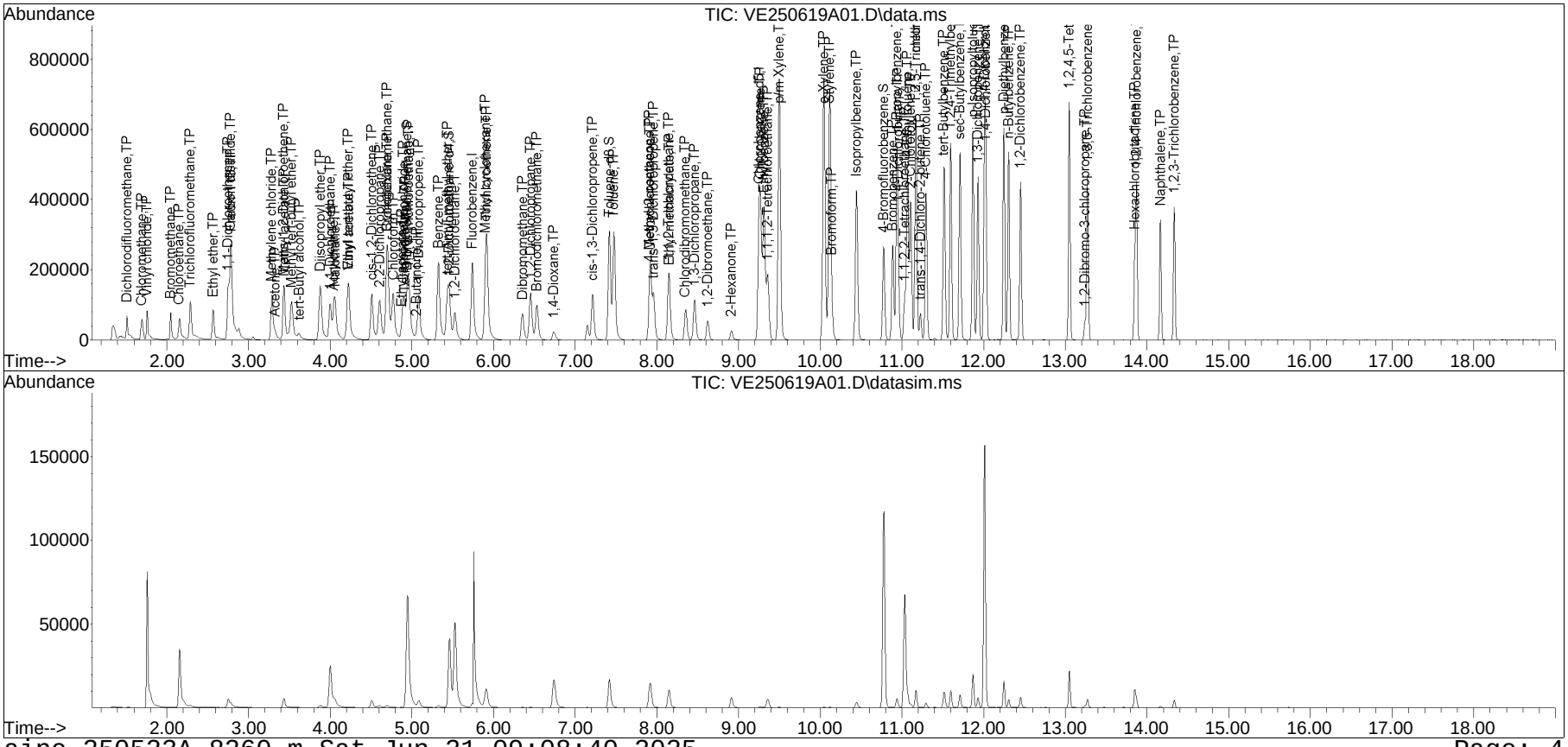
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

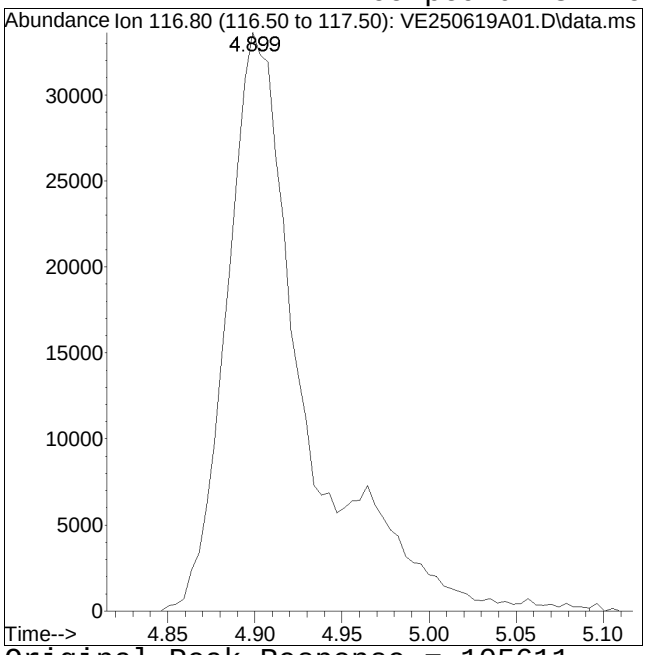
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve



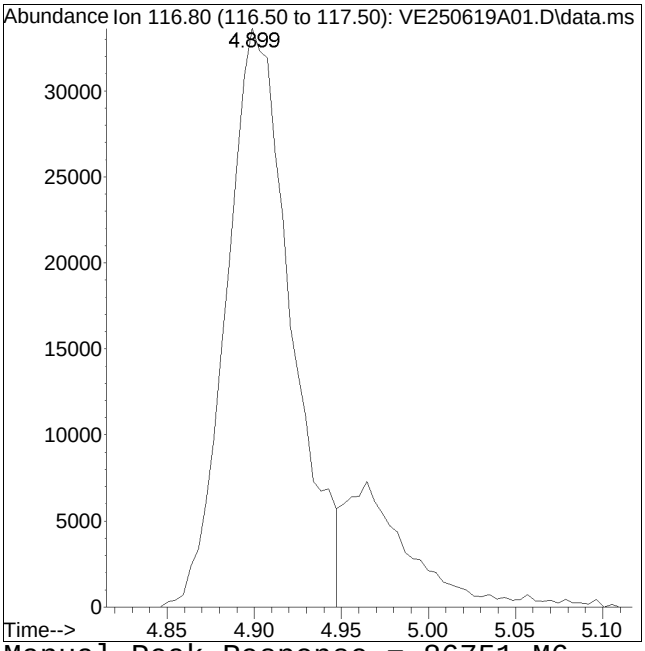
Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A01.D	Operator	: ELAINE:PID
Date Inj'd	: 6/19/2025 9:47 am	Instrument	: Elaine
Sample	: WG2081757-2	Quant Date	: 6/19/2025 10:52 am

Compound #37: Carbon tetrachloride



Original Peak Response = 105611



Manual Peak Response = 86751 M6

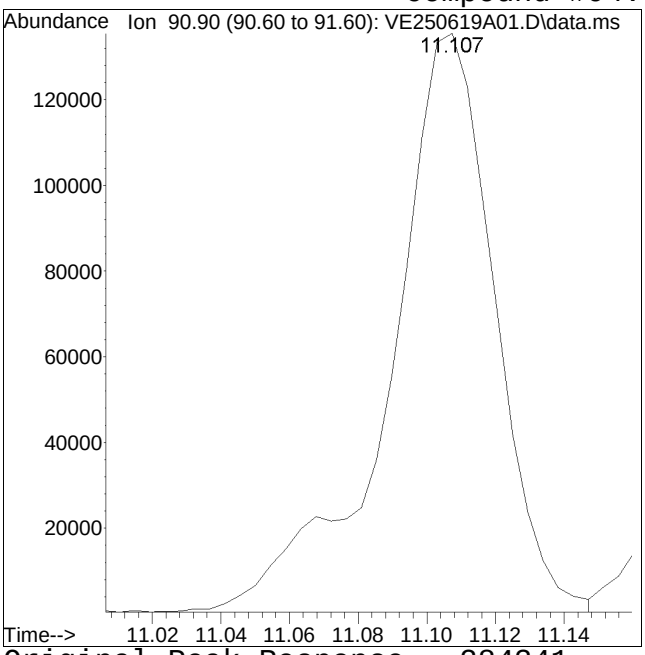
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

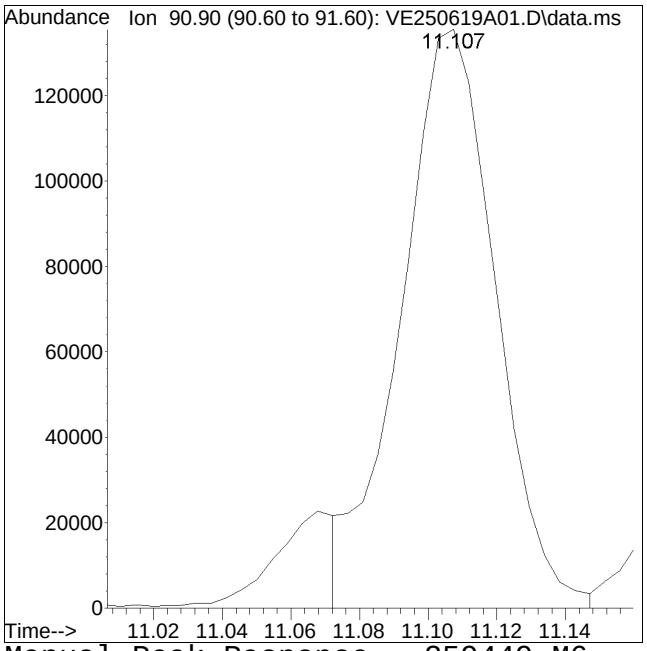
Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Date Inj'd : 6/19/2025 9:47 am
Sample : WG2081757-2

QMethod : Elaine_250523A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 6/19/2025 10:52 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 284341



Manual Peak Response = 259449 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	73	0.00
2	TP	Dichlorodifluoromethane	0.273	0.199	27.1#	53	0.00
3	TP	Chloromethane	0.326	0.258	20.9#	58	0.00
4	TP	Vinyl chloride	0.335	0.303	9.6	65	0.00
5	TP	Bromomethane	0.232	0.178	23.3#	66	0.00
6	TP	Chloroethane	0.257	0.309	-20.2#	89	0.00
7	TP	Trichlorofluoromethane	0.482	0.515	-6.8	79	0.00
8	TP	Ethyl ether	0.161	0.172	-6.8	77	0.00
10	TP	1,1-Dichloroethene	0.295	0.257	12.9	67	0.00
11	TP	Carbon disulfide	0.873	0.599	31.4#	50	0.00
12	TP	Freon-113	0.278	0.225	19.1	59	0.00
15	TP	Methylene chloride	0.267	0.245	8.2	67	0.00
17	TP	Acetone	0.042	0.043	-2.4	70	0.00
18	TP	trans-1,2-Dichloroethene	0.270	0.233	13.7	65	0.00
19	TP	Methyl acetate	0.106	0.104	1.9	69	0.00
20	TP	Methyl tert-butyl ether	0.615	0.512	16.7	60	0.00
21	TP	tert-Butyl alcohol	0.014	0.012	14.3	60	0.00
22	TP	Diisopropyl ether	0.820	0.780	4.9	70	0.00
23	TP	1,1-Dichloroethane	0.484	0.448	7.4	68	0.00
24	TP	Halothane	0.201	0.174	13.4	64	0.00
25	TP	Acrylonitrile	0.051	0.051	0.0	71	0.00
26	TP	Ethyl tert-butyl ether	0.740	0.634	14.3	62	0.00
27	TP	Vinyl acetate	0.342	0.397	-16.1	75	0.00
28	TP	cis-1,2-Dichloroethene	0.294	0.259	11.9	63	0.00
29	TP	2,2-Dichloropropane	0.367	0.267	27.2#	54	0.00
30	TP	Bromochloromethane	0.132	0.121	8.3	64	0.00
31	TP	Cyclohexane	0.453	0.410	9.5	69	0.00
32	TP	Chloroform	0.455	0.416	8.6	67	0.00
33	TP	Ethyl acetate	0.167	0.150	10.2	70	0.00
34	TP	Carbon tetrachloride	0.365	0.309	15.3	60	0.00
35	TP	Tetrahydrofuran	0.049	0.046	6.1	68	0.00
36	S	Dibromofluoromethane	0.270	0.271	-0.4	74	0.00
37	TP	1,1,1-Trichloroethane	0.404	0.361	10.6	66	0.00
39	TP	2-Butanone	0.057	0.052	8.8	67	0.00
40	TP	1,1-Dichloropropene	0.332	0.292	12.0	64	0.00
41	TP	Benzene	1.000	0.918	8.2	66	0.00
42	TP	tert-Amyl methyl ether	0.633	0.503	20.5#	58	0.00
43	S	1,2-Dichloroethane-d4	0.271	0.283	-4.4	79	0.00
44	TP	1,2-Dichloroethane	0.296	0.287	3.0	68	0.00

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47	TP	Methyl cyclohexane	* 10.000	8.510	14.9	64	0.00
48	TP	Trichloroethene	0.287	0.250	12.9	65	0.00
50	TP	Dibromomethane	0.140	0.131	6.4	68	0.00
51	TP	1,2-Dichloropropane	0.268	0.245	8.6	67	0.00
54	TP	Bromodichloromethane	0.350	0.300	14.3	62	0.00
57	TP	1,4-Dioxane	0.00131	0.00114#	13.0	57	0.00
58	TP	cis-1,3-Dichloropropene	0.402	0.316	21.4#	57	0.00
59	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
60	S	Toluene-d8	1.248	1.295	-3.8	73	0.00
61	TP	Toluene	0.824	0.773	6.2	65	0.00
62	TP	4-Methyl-2-pentanone	0.070	0.066	5.7	62	0.00
63	TP	Tetrachloroethene	0.367	0.339	7.6	63	0.00
65	TP	trans-1,3-Dichloropropene	0.401	0.342	14.7	58	0.00
67	TP	Ethyl methacrylate	0.293	0.259	11.6	59	0.00
68	TP	1,1,2-Trichloroethane	0.203	0.200	1.5	69	0.00
69	TP	Chlorodibromomethane	0.324	0.269	17.0	57	0.00
70	TP	1,3-Dichloropropane	0.403	0.405	-0.5	68	0.00
71	TP	1,2-Dibromoethane	0.238	0.230	3.4	67	0.00
72	TP	2-Hexanone	0.118	0.112	5.1	67	0.00
73	TP	Chlorobenzene	0.952	0.884	7.1	64	0.00
74	TP	Ethylbenzene	1.590	1.510	5.0	67	0.00
75	TP	1,1,1,2-Tetrachloroethane	0.349	0.308	11.7	61	0.00
76	TP	p/m Xylene	0.641	0.593	7.5	65	0.00
77	TP	o Xylene	0.629	0.582	7.5	65	0.00
78	TP	Styrene	1.005	0.940	6.5	66	0.00
79	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
80	TP	Bromoform	0.357	0.263	26.3#	51	0.00
82	TP	Isopropylbenzene	2.861	2.696	5.8	66	0.00
83	S	4-Bromofluorobenzene	0.865	0.866	-0.1	71	0.00
84	TP	Bromobenzene	0.698	0.663	5.0	64	0.00
85	TP	n-Propylbenzene	3.257	3.193	2.0	69	0.00
86	TP	1,4-Dichlorobutane	0.744	0.734	1.3	69	0.00
87	TP	1,1,2,2-Tetrachloroethane	0.502	0.514	-2.4	71	0.00
88	TP	4-Ethyltoluene	2.740	2.638	3.7	67	0.00
89	TP	2-Chlorotoluene	1.935	1.840	4.9	66	0.00
90	TP	1,3,5-Trimethylbenzene	2.339	2.199	6.0	66	0.00
91	TP	1,2,3-Trichloropropane	0.386	0.354	8.3	63	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
92	TP	trans-1,4-Dichloro-2-butene	0.115	0.099	13.9	57	0.00
93	TP	4-Chlorotoluene	1.957	1.887	3.6	68	0.00
94	TP	tert-Butylbenzene	1.978	1.857	6.1	66	0.00
97	TP	1,2,4-Trimethylbenzene	2.255	2.155	4.4	67	0.00
98	TP	sec-Butylbenzene	2.802	2.674	4.6	68	0.00
99	TP	p-Isopropyltoluene	2.397	2.243	6.4	66	0.00
100	TP	1,3-Dichlorobenzene	1.285	1.239	3.6	67	0.00
101	TP	1,4-Dichlorobenzene	1.321	1.248	5.5	67	0.00
102	TP	p-Diethylbenzene	1.366	1.247	8.7	64	0.00
103	TP	n-Butylbenzene	1.900	1.821	4.2	69	0.00
104	TP	1,2-Dichlorobenzene	1.139	1.113	2.3	68	0.00
105	TP	1,2,4,5-Tetramethylbenzene	1.926	1.654	14.1	61	0.00
106	TP	1,2-Dibromo-3-chloropropane	0.070	0.057	18.6	54	0.00
107	TP	1,3,5-Trichlorobenzene	0.751	0.670	10.8	62	0.00
108	TP	Hexachlorobutadiene	0.280	0.227	18.9	58	0.00
109	TP	1,2,4-Trichlorobenzene	0.616	0.529	14.1	60	0.00
110	TP	Naphthalene	1.114	1.004	9.9	61	0.00
111	TP	1,2,3-Trichlorobenzene	0.471	0.421	10.6	62	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 1 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.829	96	227794	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 100.00%			
59) Chlorobenzene-d5	9.334	117	173943	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.084	152	95648	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	61843	10.063	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.63%			
43) 1,2-Dichloroethane-d4	5.550	65	64570	10.462	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.62%			
60) Toluene-d8	7.502	98	225272	10.380	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%			
83) 4-Bromofluorobenzene	10.857	95	82844	10.008	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	45290	7.284	ug/L	99
3) Chloromethane	1.774	50	58845	7.917	ug/L	99
4) Vinyl chloride	1.835	62	68951	9.039	ug/L	99
5) Bromomethane	2.128	94	40538	7.687	ug/L	99
6) Chloroethane	2.237	64	70375	12.032	ug/L	97
7) Trichlorofluoromethane	2.371	101	117258	10.672	ug/L	98
8) Ethyl ether	2.655	74	39090	10.633	ug/L	84
10) 1,1-Dichloroethene	2.831	96	58521	8.703	ug/L	93
11) Carbon disulfide	2.864	76	136561	6.869	ug/L	100
12) Freon-113	2.867	101	51229	8.094	ug/L	81
15) Methylene chloride	3.372	84	55880	9.172	ug/L	93
17) Acetone	3.425	43	9699	10.170	ug/L	100
18) trans-1,2-Dichloroethene	3.522	96	53058	8.628	ug/L	99
19) Methyl acetate	3.542	43	23586	9.759	ug/L	96
20) Methyl tert-butyl ether	3.623	73	116585	8.318	ug/L	94
21) tert-Butyl alcohol	3.726	59	13576	42.431	ug/L #	70
22) Diisopropyl ether	3.969	45	177581	9.509	ug/L	97
23) 1,1-Dichloroethane	4.089	63	102162	9.276	ug/L	99
24) Halothane	4.144	117	39544	8.631	ug/L	99
25) Acrylonitrile	4.142	53	11541M1	9.842	ug/L	
26) Ethyl tert-butyl ether	4.312	59	144367	8.567	ug/L	92

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
27) Vinyl acetate	4.320	43	90479	11.608	ug/L	#	83
28) cis-1,2-Dichloroethene	4.599	96	59098	8.818	ug/L		95
29) 2,2-Dichloropropane	4.691	77	60906	7.284	ug/L		90
30) Bromochloromethane	4.783	128	27512	9.128	ug/L		87
31) Cyclohexane	4.791	56	93504	9.064	ug/L		94
32) Chloroform	4.858	83	94693	9.129	ug/L		99
33) Ethyl acetate	4.975	43	34241	9.009	ug/L	#	93
34) Carbon tetrachloride	4.989	117	70411	8.479	ug/L		98
35) Tetrahydrofuran	5.020	42	10405	9.316	ug/L		95
37) 1,1,1-Trichloroethane	5.053	97	82260	8.945	ug/L		99
39) 2-Butanone	5.157	43	11739	9.065	ug/L		95
40) 1,1-Dichloropropene	5.171	75	66514	8.799	ug/L		100
41) Benzene	5.413	78	209170	9.179	ug/L		98
42) tert-Amyl methyl ether	5.530	73	114652	7.955	ug/L	#	91
44) 1,2-Dichloroethane	5.617	62	65395	9.701	ug/L		93
47) Methyl cyclohexane	5.990	83	84681	8.510	ug/L		96
48) Trichloroethene	6.007	95	56996	8.705	ug/L		99
50) Dibromomethane	6.439	93	29788	9.359	ug/L		91
51) 1,2-Dichloropropane	6.540	63	55812	9.148	ug/L		100
54) Bromodichloromethane	6.618	83	68427	8.588	ug/L		100
57) 1,4-Dioxane	6.830	88	13039	436.385	ug/L	#	85
58) cis-1,3-Dichloropropene	7.301	75	71972	7.859	ug/L		98
61) Toluene	7.558	92	134463	9.381	ug/L		99
62) 4-Methyl-2-pentanone	7.998	58	11489	9.375	ug/L		94
63) Tetrachloroethene	8.007	166	59032	9.237	ug/L		97
65) trans-1,3-Dichloropropene	8.046	75	59407	8.520	ug/L		96
67) Ethyl methacrylate	8.232	69	45019	8.819	ug/L		93
68) 1,1,2-Trichloroethane	8.227	83	34843	9.872	ug/L		97
69) Chlorodibromomethane	8.442	129	46871	8.316	ug/L		98
70) 1,3-Dichloropropane	8.542	76	70444	10.041	ug/L		99
71) 1,2-Dibromoethane	8.709	107	39925	9.641	ug/L		98
72) 2-Hexanone	9.005	43	19543	9.520	ug/L	#	90
73) Chlorobenzene	9.359	112	153777	9.287	ug/L		98
74) Ethylbenzene	9.395	91	262644	9.497	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.440	131	53587	8.823	ug/L		99
76) p/m Xylene	9.582	106	206372	18.505	ug/L		97
77) o Xylene	10.129	106	202594	18.519	ug/L		97
78) Styrene	10.198	104	326871	18.701	ug/L		98
80) Bromoform	10.226	173	25159	7.370	ug/L		99
82) Isopropylbenzene	10.522	105	257871	9.424	ug/L		99

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
84) Bromobenzene	10.968	156	63433	9.500	ug/L		98
85) n-Propylbenzene	11.013	91	305432	9.805	ug/L		97
86) 1,4-Dichlorobutane	11.027	55	70188	9.866	ug/L		100
87) 1,1,2,2-Tetrachloroethane	11.105	83	49173	10.242	ug/L		100
88) 4-Ethyltoluene	11.141	105	252333	9.628	ug/L		99
89) 2-Chlorotoluene	11.180	91	176001	9.510	ug/L		99
90) 1,3,5-Trimethylbenzene	11.239	105	210336	9.402	ug/L		100
91) 1,2,3-Trichloropropane	11.241	75	33812	9.169	ug/L		92
92) trans-1,4-Dichloro-2-b...	11.306	53	9484	8.586	ug/L	#	69
93) 4-Chlorotoluene	11.367	91	180444	9.638	ug/L		99
94) tert-Butylbenzene	11.584	119	177610	9.390	ug/L		99
97) 1,2,4-Trimethylbenzene	11.665	105	206083	9.553	ug/L		98
98) sec-Butylbenzene	11.777	105	255774	9.542	ug/L		99
99) p-Isopropyltoluene	11.933	119	214547	9.359	ug/L		99
100) 1,3-Dichlorobenzene	12.005	146	118467	9.642	ug/L		99
101) 1,4-Dichlorobenzene	12.098	146	119385	9.445	ug/L		99
102) p-Diethylbenzene	12.315	119	119286	9.127	ug/L		99
103) n-Butylbenzene	12.371	91	174176	9.586	ug/L		97
104) 1,2-Dichlorobenzene	12.524	146	106416	9.767	ug/L		100
105) 1,2,4,5-Tetramethylben...	13.115	119	158187	8.585	ug/L		100
106) 1,2-Dibromo-3-chloropr...	13.311	155	5425	8.046	ug/L		96
107) 1,3,5-Trichlorobenzene	13.341	180	64099	8.918	ug/L		98
108) Hexachlorobutadiene	13.918	225	21672	8.094	ug/L		99
109) 1,2,4-Trichlorobenzene	13.944	180	50625	8.587	ug/L		97
110) Naphthalene	14.236	128	96043	9.013	ug/L		100
111) 1,2,3-Trichlorobenzene	14.404	180	40244	8.931	ug/L		97

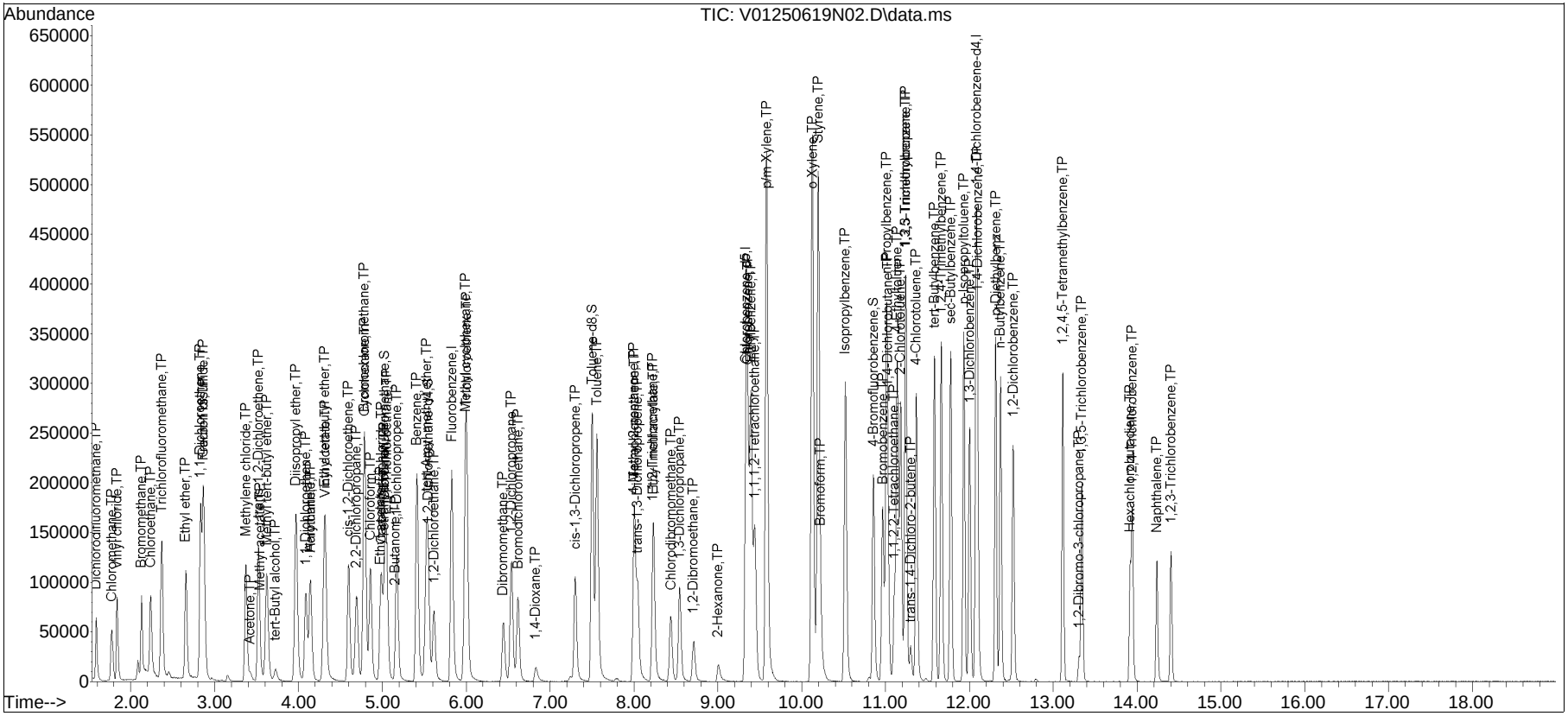
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-2
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

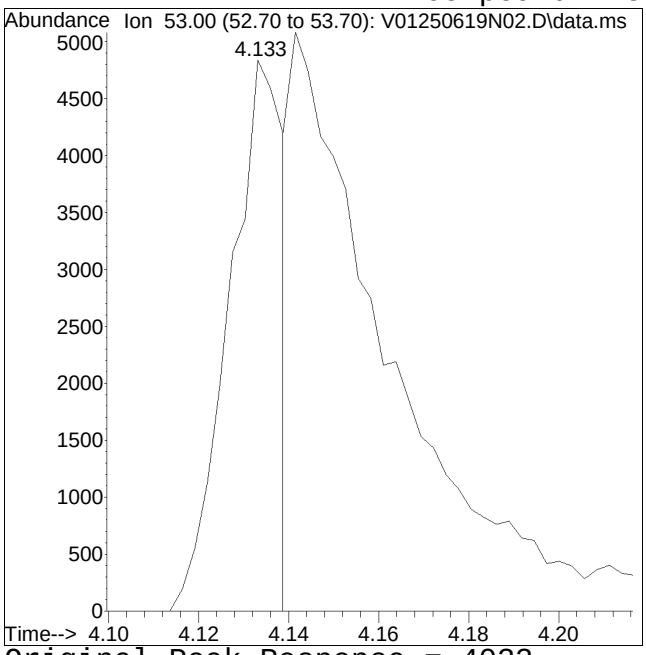
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve



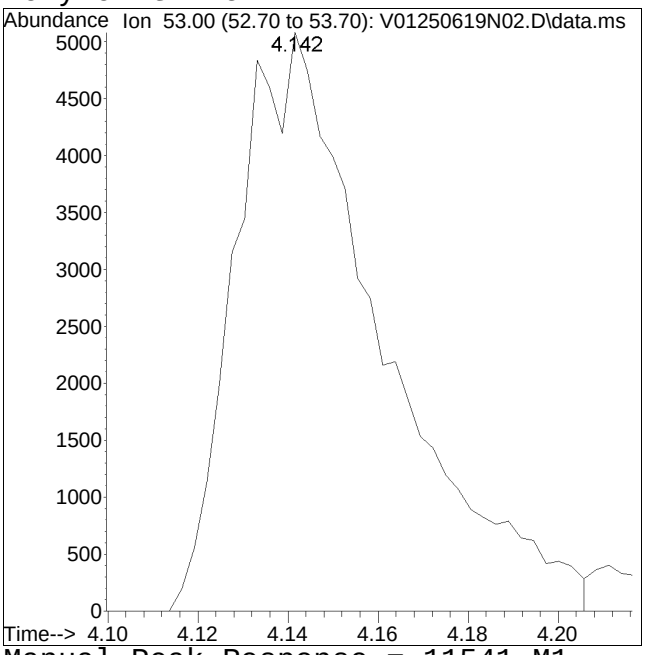
Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N02.D	Operator	: VOA101:TMS
Date Inj'd	: 6/19/2025 8:32 pm	Instrument	: VOA 101
Sample	: WG2081999-2	Quant Date	: 6/19/2025 8:55 pm

Compound #25: Acrylonitrile



Original Peak Response = 4033



Manual Peak Response = 11541 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Fluorobenzene	1.000	1.000	0.0	81	0.00
2	TP	Dichlorodifluoromethane	0.235	0.255	-8.5	84	0.00
3	TP	Chloromethane	0.243	0.251	-3.3	81	0.00
4	TP	Vinyl chloride	0.235	0.254	-8.1	86	0.00
5	TP	Bromomethane	0.156	0.124	20.5#	67	0.00
6	TP	Chloroethane	0.137	0.170	-24.1#	98	0.00
7	TP	Trichlorofluoromethane	0.285	0.340	-19.3	93	0.00
8	TP	Ethyl ether	0.091	0.080	12.1	71	0.00
10	TP	1,1-Dichloroethene	0.185	0.207	-11.9	89	0.00
11	TP	Carbon disulfide	0.517	0.602	-16.4	94	0.00
15	TP	Methylene chloride	0.213	0.234	-9.9	88	0.00
17	TP	Acetone	* 10.000	8.510	14.9	73	0.00
18	TP	trans-1,2-Dichloroethene	0.198	0.215	-8.6	88	0.00
21	TP	Methyl tert-butyl ether	0.382	0.261	31.7#	61	0.00
25	TP	1,1-Dichloroethane	0.354	0.401	-13.3	89	0.00
27	TP	Acrylonitrile	0.039	0.040	-2.6	79	0.00
29	TP	Vinyl acetate	0.210	0.185	11.9	84	0.00
30	TP	cis-1,2-Dichloroethene	0.225	0.240	-6.7	85	0.00
31	TP	2,2-Dichloropropane	0.274	0.299	-9.1	87	0.00
33	TP	Bromochloromethane	0.109	0.116	-6.4	85	0.00
35	TP	Chloroform	0.367	0.387	-5.4	86	0.00
37	TP	Carbon tetrachloride	0.255	0.271	-6.3	85	0.00
39	S	Dibromofluoromethane	0.312	0.341	-9.3	88	0.00
40	TP	1,1,1-Trichloroethane	0.284	0.301	-6.0	84	0.00
42	TP	2-Butanone	0.040	0.028	30.0#	59	0.00
43	TP	1,1-Dichloropropene	0.217	0.199	8.3	79	0.00
45	TP	Benzene	0.694	0.660	4.9	80	0.00
47	S	1,2-Dichloroethane-d4	0.273	0.282	-3.3	84	0.00
48	TP	1,2-Dichloroethane	0.210	0.202	3.8	78	0.00
52	TP	Trichloroethene	0.182	0.166#	8.8	79	0.00
54	TP	Dibromomethane	0.105	0.104	1.0	81	0.00
55	TP	1,2-Dichloropropane	0.169	0.153#	9.5	77	0.00
58	TP	Bromodichloromethane	0.244	0.216#	11.5	76	0.00
61	TP	1,4-Dioxane	0.00115	0.00087#	24.3#	56	0.00
62	TP	cis-1,3-Dichloropropene	0.265	0.224#	15.5	71	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00
64	S	Toluene-d8	1.320	1.293	2.0	86	0.00
65	TP	Toluene	0.566	0.550	2.8	84	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
66	TP	4-Methyl-2-pentanone	0.042	0.030	28.6#	63	0.00
67	TP	Tetrachloroethene	0.258	0.258	0.0	88	0.00
69	TP	trans-1,3-Dichloropropene	0.272	0.218#	19.9	71	0.00
71	TP	Ethyl methacrylate	0.179	0.149	16.8	72	0.00
72	TP	1,1,2-Trichloroethane	0.136	0.106#	22.1#	72	0.00
73	TP	Chlorodibromomethane	0.215	0.164#	23.7#	72	0.00
74	TP	1,3-Dichloropropane	0.284	0.228	19.7	72	0.00
75	TP	1,2-Dibromoethane	0.164	0.133#	18.9	72	0.00
77	TP	2-Hexanone	0.069	0.049	29.0#	61	0.00
78	T	Chlorobenzene	0.640	0.627	2.0	86	0.00
79	TP	Ethylbenzene	1.066	1.051	1.4	85	0.00
80	T	1,1,1,2-Tetrachloroethane	0.217	0.179	17.5	75	0.00
81	TP	p/m Xylene	0.437	0.449	-2.7	89	0.00
82	TP	o Xylene	0.427	0.429	-0.5	87	0.00
83	TP	Styrene	0.701	0.693	1.1	85	0.00
84	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	99	0.00
85	TP	Bromoform	0.217	0.161	25.8#	75	0.00
87	TP	Isopropylbenzene	1.828	1.659	9.2	88	0.00
88	S	4-Bromofluorobenzene	0.802	0.732	8.7	91	0.00
89	TP	Bromobenzene	0.483	0.434	10.1	89	0.00
90	TP	n-Propylbenzene	2.110	1.995	5.5	91	0.00
91	TP	1,4-Dichlorobutane	0.429	0.334	22.1#	77	0.00
92	TP	1,1,2,2-Tetrachloroethane	0.300	0.236	21.3#	78	0.00
93	TP	4-Ethyltoluene	1.799	1.717	4.6	91	0.00
94	TP	2-Chlorotoluene	1.274	1.198	6.0	91	0.00
95	TP	1,3,5-Trimethylbenzene	1.488	1.440	3.2	99	0.00
96	TP	1,2,3-Trichloropropane	0.239	0.189	20.9#	79	0.00
97	TP	trans-1,4-Dichloro-2-butene	0.071	0.056	21.1#	80	0.00
98	TP	4-Chlorotoluene	1.347	1.256	6.8	91	0.00
99	TP	tert-Butylbenzene	1.358	1.254	7.7	89	0.00
102	TP	1,2,4-Trimethylbenzene	1.438	1.404	2.4	102	0.00
103	TP	sec-Butylbenzene	1.893	1.830	3.3	93	0.00
104	TP	p-Isopropyltoluene	1.658	1.601	3.4	96	0.00
105	TP	1,3-Dichlorobenzene	0.945	0.919	2.8	97	0.00
106	TP	1,4-Dichlorobenzene	0.955	0.925	3.1	97	0.00
107	TP	p-Diethylbenzene	0.956	0.912	4.6	101	0.00
108	TP	n-Butylbenzene	1.294	1.294	0.0	103	0.00
109	TP	1,2-Dichlorobenzene	0.876	0.846	3.4	96	0.00

Evaluate Continuing Calibration Report

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
110 TP	1,2,4,5-Tetramethylbenzene	1.377	1.371	0.4	110	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.053	0.045	15.1	84	-0.01
113 TP	Hexachlorobutadiene	0.241	0.246	-2.1	107	-0.01
114 TP	1,2,4-Trichlorobenzene	0.570	0.596	-4.6	111	0.00
115 TP	Naphthalene	1.113	1.008	9.4	91	0.00
116 TP	1,2,3-Trichlorobenzene	0.533	0.555	-4.1	105	-0.01

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 9 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.050	96	289219	10.000	ug/L		0.00
63) Chlorobenzene-d5	9.587	117	244984	10.000	ug/L	#	0.00
84) 1,4-Dichlorobenzene-d4	12.288	152	158819	10.000	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	5.231	113	98665	10.950	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.50%				
47) 1,2-Dichloroethane-d4	5.756	65	81457	10.329	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.29%				
64) Toluene-d8	7.740	98	316855	9.800	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.00%				
88) 4-Bromofluorobenzene	11.080	95	116301	9.128	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.28%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	73693	10.844	ug/L		94
3) Chloromethane	1.846	50	72606	10.347	ug/L		98
4) Vinyl chloride	1.919	62	73456	10.820	ug/L		99
5) Bromomethane	2.232	94	35727	7.938	ug/L		96
6) Chloroethane	2.358	64	49206	12.424	ug/L		100
7) Trichlorofluoromethane	2.498	101	98403	11.948	ug/L		98
8) Ethyl ether	2.790	74	23230	8.829	ug/L		82
10) 1,1-Dichloroethene	2.990	96	59802	11.175	ug/L	#	68
11) Carbon disulfide	3.023	76	173991	11.631	ug/L		99
15) Methylene chloride	3.542	84	67699	10.970	ug/L		76
17) Acetone	3.569	43	8337	8.510	ug/L	#	89
18) trans-1,2-Dichloroethene	3.695	96	62283	10.891	ug/L		78
21) Methyl tert-butyl ether	3.788	73	75361	6.823	ug/L		90
25) 1,1-Dichloroethane	4.274	63	115987	11.343	ug/L	#	97
27) Acrylonitrile	4.307	53	11629	10.262	ug/L		94
29) Vinyl acetate	4.506	43	53476	8.823	ug/L	#	92
30) cis-1,2-Dichloroethene	4.792	96	69407	10.649	ug/L	#	78
31) 2,2-Dichloropropane	4.899	77	86568	10.919	ug/L		79
33) Bromochloromethane	4.985	128	33518	10.588	ug/L	#	54
35) Chloroform	5.058	83	111947	10.538	ug/L		92
37) Carbon tetrachloride	5.198	117	78249	10.598	ug/L		98
40) 1,1,1-Trichloroethane	5.265	97	87040	10.589	ug/L		91
42) 2-Butanone	5.344	43	8166	7.129	ug/L		97
43) 1,1-Dichloropropene	5.384	75	57530	9.161	ug/L		91
45) Benzene	5.626	78	190934	9.519	ug/L		94

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
48) 1,2-Dichloroethane	5.824	62	58459	9.614	ug/L	#	95
52) Trichloroethene	6.228	95	48004	9.099	ug/L	#	88
54) Dibromomethane	6.666	93	30014	9.899	ug/L	#	79
55) 1,2-Dichloropropane	6.768	63	44335	9.084	ug/L		96
58) Bromodichloromethane	6.844	83	62437	8.861	ug/L	#	97
61) 1,4-Dioxane	7.049	88	12531	375.448	ug/L	#	85
62) cis-1,3-Dichloropropene	7.535	75	64849	8.466	ug/L	#	78
65) Toluene	7.801	92	134631	9.715	ug/L		97
66) 4-Methyl-2-pentanone	8.233	58	7441	7.201	ug/L	#	74
67) Tetrachloroethene	8.253	166	63088	9.993	ug/L	#	87
69) trans-1,3-Dichloropropene	8.280	75	53466	8.038	ug/L	#	75
71) Ethyl methacrylate	8.472	69	36541	8.322	ug/L	#	80
72) 1,1,2-Trichloroethane	8.465	83	25903	7.771	ug/L		94
73) Chlorodibromomethane	8.677	129	40234	7.634	ug/L	#	98
74) 1,3-Dichloropropane	8.787	76	55751	8.024	ug/L		99
75) 1,2-Dibromoethane	8.951	107	32620	8.136	ug/L		99
77) 2-Hexanone	9.245	43	12033	7.113	ug/L		93
78) Chlorobenzene	9.608	112	153551	9.792	ug/L		100
79) Ethylbenzene	9.649	91	257367	9.852	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.690	131	43924	8.280	ug/L		98
81) p/m Xylene	9.841	106	219840	20.552	ug/L		87
82) o Xylene	10.374	106	210392	20.101	ug/L		89
83) Styrene	10.443	104	339549	19.785	ug/L		90
85) Bromoform	10.463	173	25496	7.387	ug/L		94
87) Isopropylbenzene	10.758	105	263454	9.076	ug/L		95
89) Bromobenzene	11.190	156	68857	8.970	ug/L		99
90) n-Propylbenzene	11.238	91	316819	9.454	ug/L		92
91) 1,4-Dichlorobutane	11.245	55	53107	7.794	ug/L		98
92) 1,1,2,2-Tetrachloroethane	11.320	83	37481	7.860	ug/L	#	99
93) 4-Ethyltoluene	11.361	105	272649	9.542	ug/L		95
94) 2-Chlorotoluene	11.403	91	190260M6	9.405	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	228652	9.678	ug/L		95
96) 1,2,3-Trichloropropane	11.457	75	29989	7.898	ug/L		85
97) trans-1,4-Dichloro-2-b...	11.505	53	8833	7.842	ug/L	#	83
98) 4-Chlorotoluene	11.581	91	199456	9.323	ug/L	#	87
99) tert-Butylbenzene	11.800	119	199113	9.232	ug/L		89
102) 1,2,4-Trimethylbenzene	11.876	105	223002	9.766	ug/L		93
103) sec-Butylbenzene	11.993	105	290661	9.665	ug/L		92
104) p-Isopropyltoluene	12.143	119	254320	9.658	ug/L		93
105) 1,3-Dichlorobenzene	12.212	146	146033	9.735	ug/L		96
106) 1,4-Dichlorobenzene	12.301	146	146937	9.689	ug/L		96

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) p-Diethylbenzene	12.521	119	144854	9.545	ug/L		93
108) n-Butylbenzene	12.576	91	205587	10.004	ug/L	#	96
109) 1,2-Dichlorobenzene	12.727	146	134353	9.654	ug/L		95
110) 1,2,4,5-Tetramethylben...	13.310	119	217703	9.956	ug/L		93
111) 1,2-Dibromo-3-chloropr...	13.495	155	7182	8.489	ug/L		99
113) Hexachlorobutadiene	14.112	225	39103	10.225	ug/L		99
114) 1,2,4-Trichlorobenzene	14.133	180	94634	10.448	ug/L		96
115) Naphthalene	14.428	128	160048	9.058	ug/L		100
116) 1,2,3-Trichlorobenzene	14.593	180	88205	10.423	ug/L		96

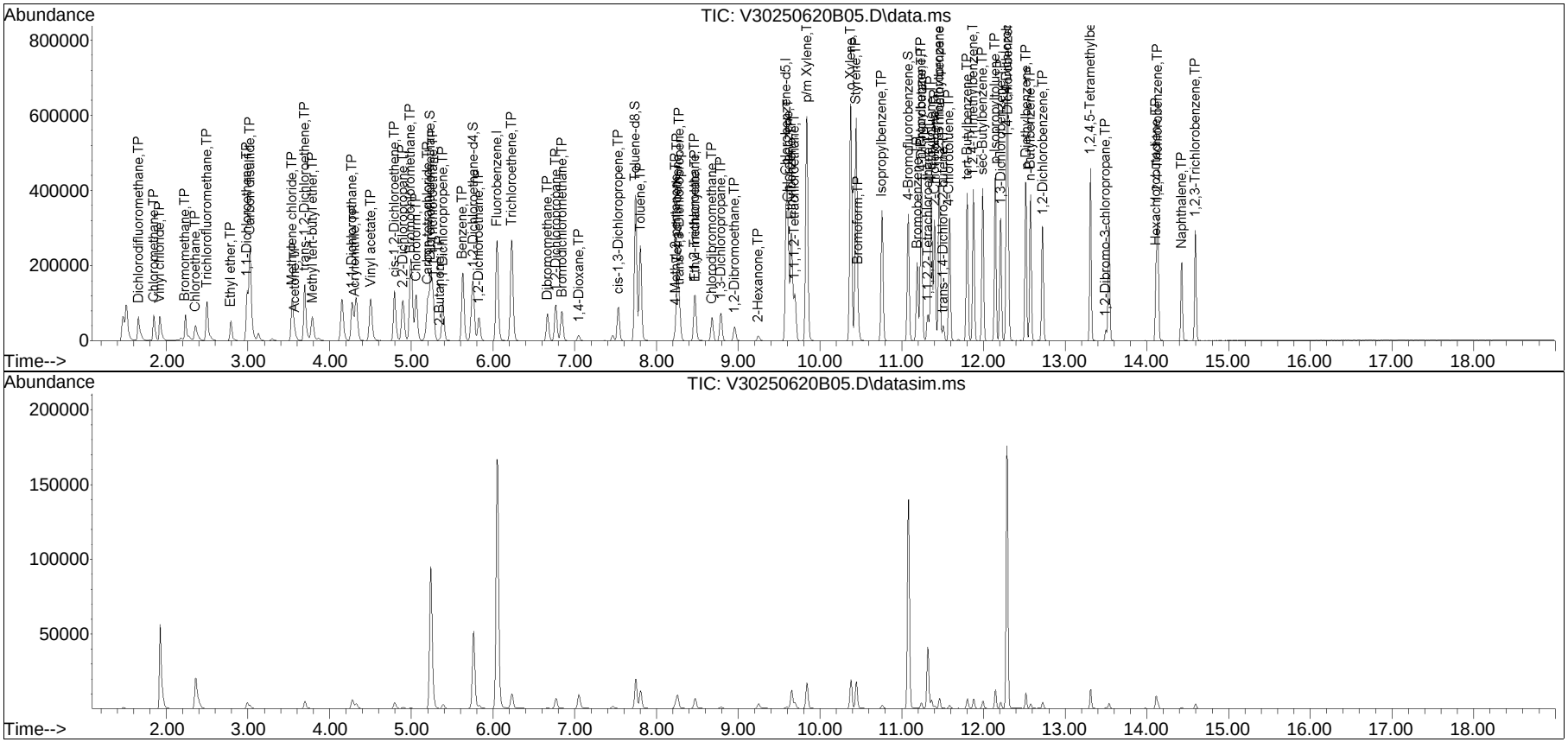
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-2 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

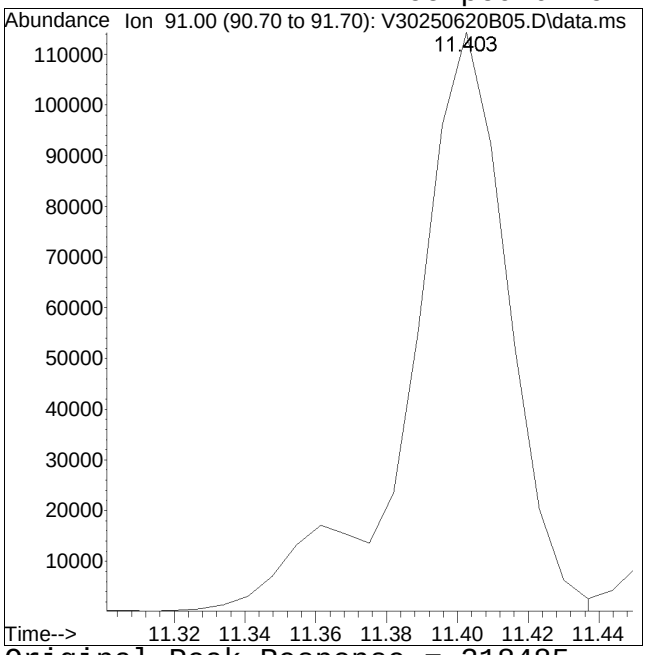
Sub List : 8260-NYTCL - Megamix plus Diox



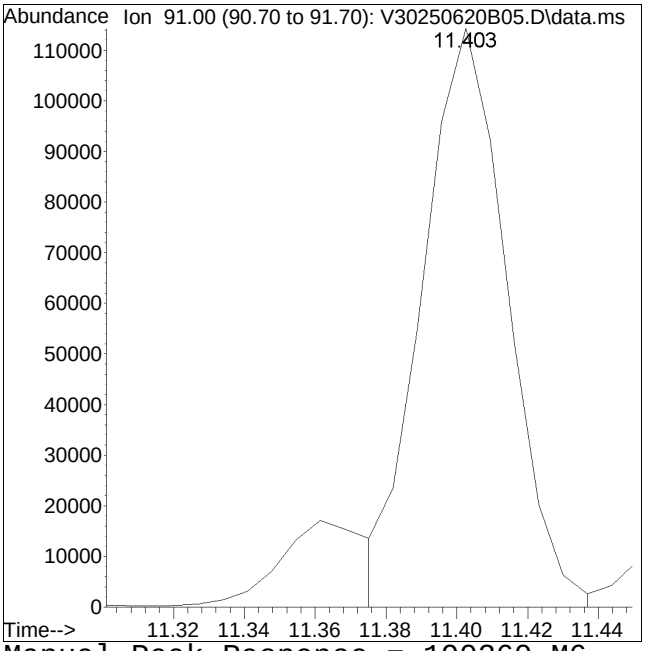
Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B05.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 11:46 am	Instrument	: VOA130
Sample	: WG2082353-2	Quant Date	: 6/20/2025 12:06 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 218485



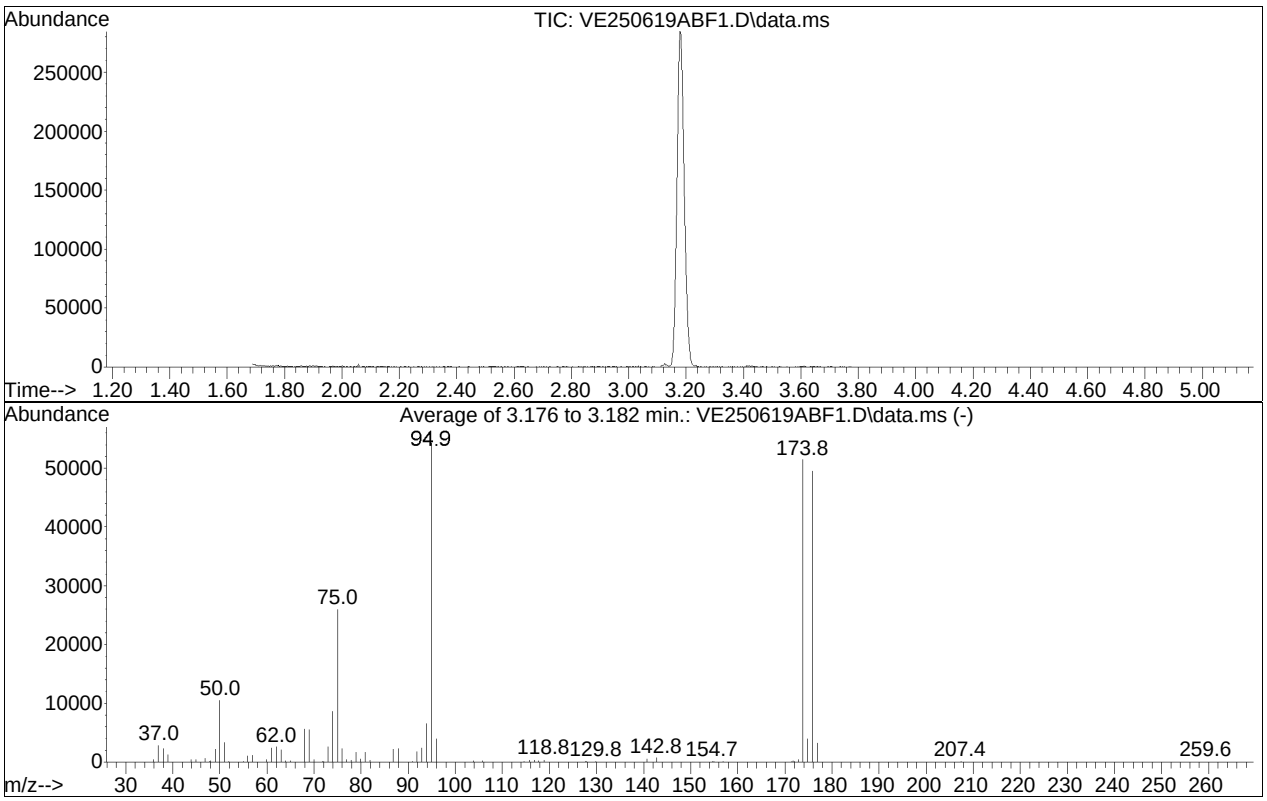
Manual Peak Response = 190260 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619ABF1.D
Acq On : 19 Jun 2025 9:33 am
Operator : ELAINE:PID
Sample : WG2081757-1
Misc : WG2081757,ICAL22314
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025



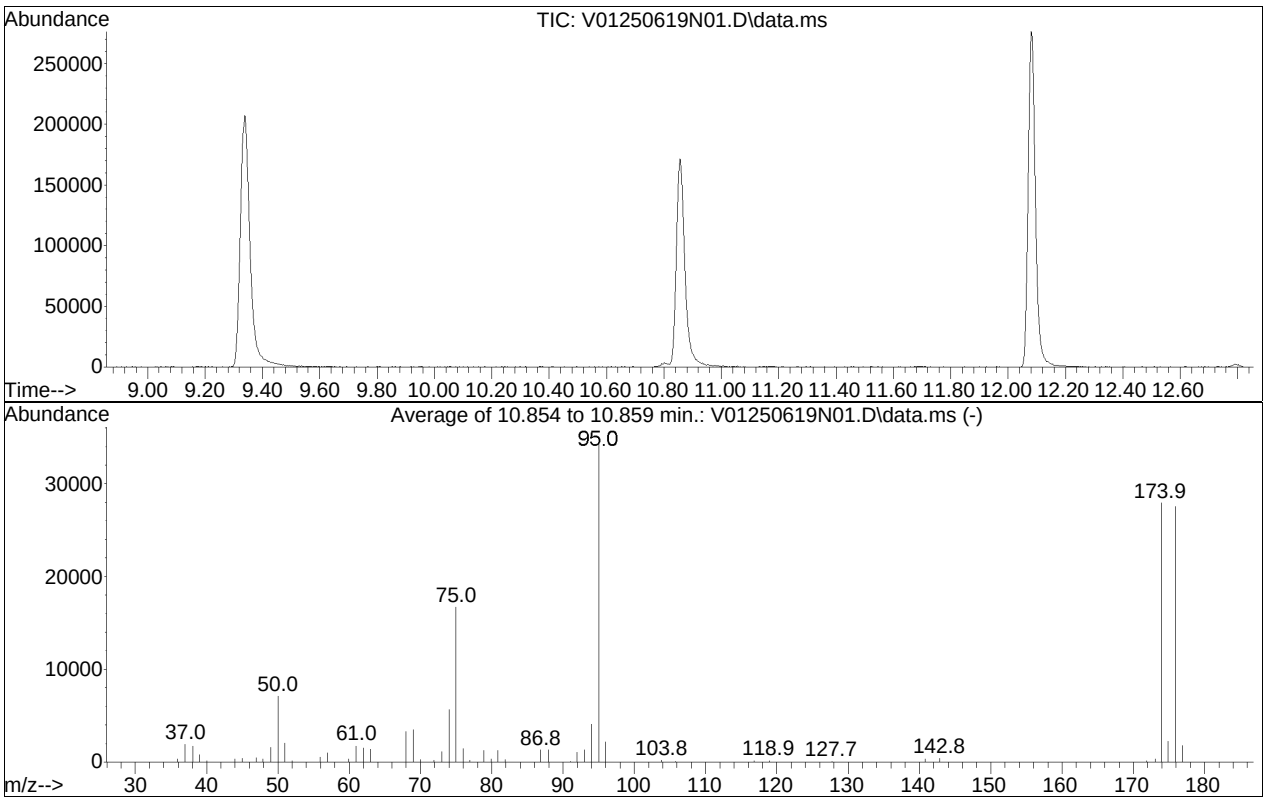
Spectrum Information: Average of 3.176 to 3.182 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	10557	PASS
75	95	30	60	47.8	26000	PASS
95	95	100	100	100.0	54355	PASS
96	95	5	9	7.2	3933	PASS
173	174	0.00	2	0.8	431	PASS
174	95	50	100	94.8	51507	PASS
175	174	5	9	7.7	3948	PASS
176	174	95	101	96.2	49555	PASS
177	176	5	9	6.6	3255	PASS

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N01.D
Acq On : 19 Jun 2025 8:05 pm
Operator : VOA101:TMS
Sample : WG2081999-1
Misc : WG2081999,ICAL22345
ALS Vial : 28 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri Jun 06 13:19:53 2025



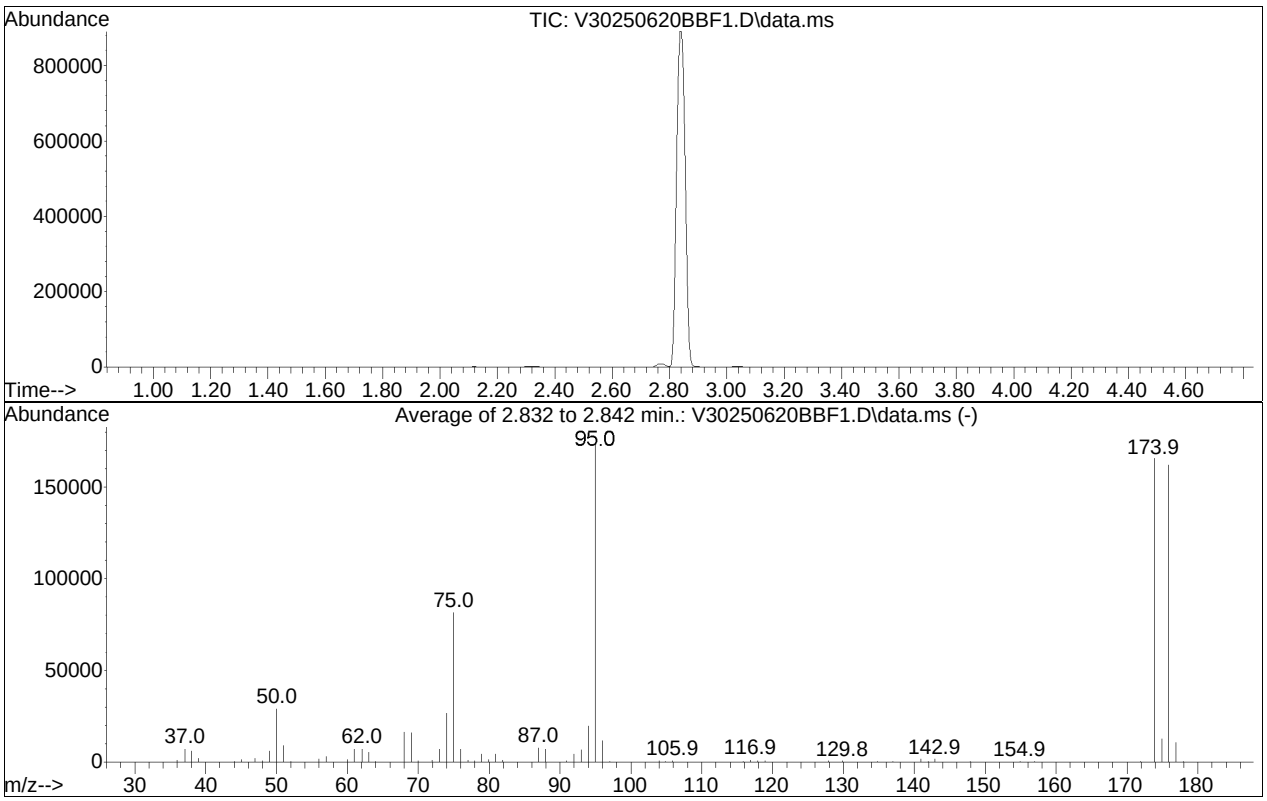
Spectrum Information: Average of 10.854 to 10.859 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	7151	PASS
75	95	30	60	48.6	16713	PASS
95	95	100	100	100.0	34421	PASS
96	95	5	9	6.4	2198	PASS
173	174	0.00	2	1.3	356	PASS
174	95	50	100	81.1	27931	PASS
175	174	5	9	8.2	2285	PASS
176	174	95	101	98.7	27573	PASS
177	176	5	9	6.4	1758	PASS

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620BBF1.D
Acq On : 20 Jun 2025 10:07 am
Operator : VOA130:PID
Sample : WG2082353-1
Misc : WG2082353
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 09:12:33 2025



AutoFind: Scans 142, 143, 144; Background Corrected with Scan 133

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.7	29112	PASS
75	95	30	60	46.9	81784	PASS
95	95	100	100	100.0	174208	PASS
96	95	5	9	6.7	11721	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	95.1	165611	PASS
175	174	5	9	7.6	12574	PASS
176	174	95	101	97.8	161984	PASS
177	176	5	9	6.6	10771	PASS

Volatiles Raw QC Data

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A05.D
Acq On : 19 Jun 2025 11:26 am
Operator : ELAINE:PID
Sample : WG2081757-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 12:08:02 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.746	96	241071	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery = 89.70%		
63) Chlorobenzene-d5	9.253	117	205837	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery = 94.58%		
84) 1,4-Dichlorobenzene-d4	12.010	152	121602	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery = 92.24%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.951	113	75997	11.322 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 113.22%		
47) 1,2-Dichloroethane-d4	5.461	65	70629	10.627 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.27%		
64) Toluene-d8	7.425	98	252668	9.740 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.40%		
88) 4-Bromofluorobenzene	10.777	95	89165	9.097 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 90.97%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.364	85	180	N.D.	
3) Chloromethane	1.707	50	206	N.D.	
4) Vinyl chloride	1.628	62	47	N.D.	
5) Bromomethane	2.137	94	52	N.D.	
6) Chloroethane	2.203	64	70	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	2.883	96	42	N.D.	
11) Carbon disulfide	2.791	76	521	N.D.	
15) Methylene chloride	3.300	84	394	N.D.	
17) Acetone	0.000		0	N.D.	d
18) trans-1,2-Dichloroethene	3.467	96	48	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	4.012	63	40	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	4.416	96	49	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	4.763	83	233	N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A05.D
Acq On : 19 Jun 2025 11:26 am
Operator : ELAINE:PID
Sample : WG2081757-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 12:08:02 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	4.881	97	45		N.D.	
42) 2-Butanone	5.087	43	45		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	5.338	78	50		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	5.836	95	342		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	9.280	112	129		N.D.	
79) Ethylbenzene	9.312	91	57		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	9.520	106	87		N.D.	
82) o Xylene	10.122	106	60		N.D.	
83) Styrene	10.122	104	66		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	10.442	105	168		N.D.	
89) Bromobenzene	10.896	156	45		N.D.	
90) n-Propylbenzene	10.935	91	52		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	11.068	105	55		N.D.	
94) 2-Chlorotoluene	11.107	91	110		N.D.	
95) 1,3,5-Trimethylbenzene	11.173	105	51		N.D.	
96) 1,2,3-Trichloropropane	11.248	75	44		N.D.	
97) trans-1,4-Dichloro-2-b...	11.182	53	45		N.D.	
98) 4-Chlorotoluene	11.301	91	119		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A05.D
Acq On : 19 Jun 2025 11:26 am
Operator : ELAINE:PID
Sample : WG2081757-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 12:08:02 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.728	105	100	N.D.		
103) sec-Butylbenzene	11.728	105	100	N.D.		
104) p-Isopropyltoluene	11.865	119	46	N.D.		
105) 1,3-Dichlorobenzene	11.936	146	245	N.D.		
106) 1,4-Dichlorobenzene	12.010	146	45	N.D.		
107) p-Diethylbenzene	12.257	119	217	N.D.		
108) n-Butylbenzene	12.314	91	465	N.D.		
109) 1,2-Dichlorobenzene	12.447	146	45	N.D.		
110) 1,2,4,5-Tetramethylben...	13.050	119	384	N.D.		
111) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
113) Hexachlorobutadiene	13.852	225	50	N.D.		
114) 1,2,4-Trichlorobenzene	13.870	180	333	N.D.		
115) Naphthalene	14.174	128	508	N.D.		
116) 1,2,3-Trichlorobenzene	14.341	180	445	N.D.		

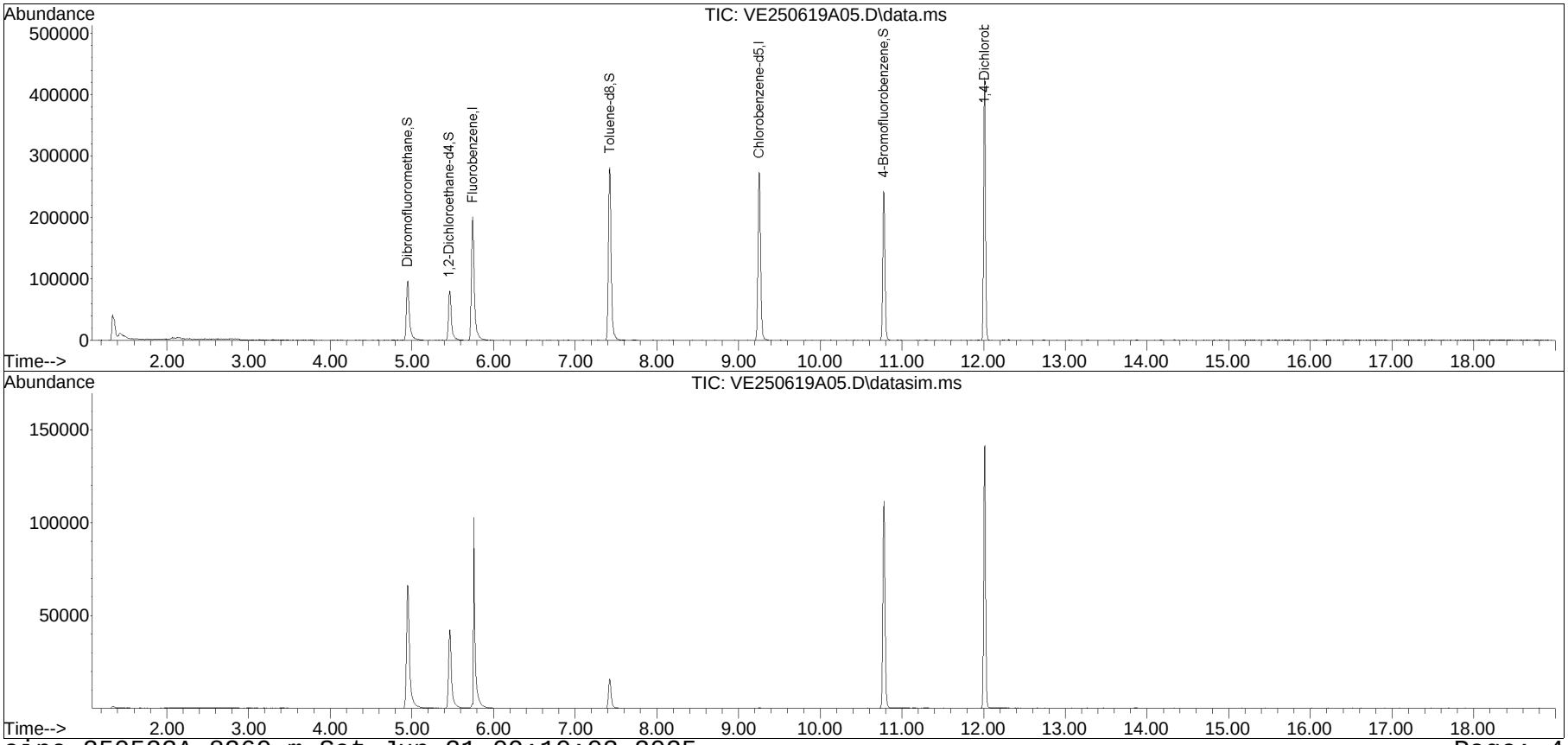
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A05.D
Acq On : 19 Jun 2025 11:26 am
Operator : ELAINE:PID
Sample : WG2081757-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 19 12:08:02 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve



Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A05.D	Operator	: ELAINE:PID
Date Inj'd	: 6/19/2025 11:26 am	Instrument	: Elaine
Sample	: WG2081757-5,31,10,10	Quant Date	: 6/19/2025 12:07 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N06.D
Acq On : 19 Jun 2025 10:17 pm
Operator : VOA101:TMS
Sample : WG2081999-5,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 20 01:15:50 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.829	96	222577	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 97.71%			
59) Chlorobenzene-d5	9.339	117	166158	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 95.52%			
79) 1,4-Dichlorobenzene-d4	12.083	152	83388	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 87.18%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.034	113	57408	9.560	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 95.60%			
43) 1,2-Dichloroethane-d4	5.547	65	62275	10.327	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.27%			
60) Toluene-d8	7.504	98	216277	10.433	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.33%			
83) 4-Bromofluorobenzene	10.856	95	74748	10.357	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.57%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D. d		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.134	94	624	0.121	ug/L	87
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
8) Ethyl ether	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.861	76	867	N.D.		
15) Methylene chloride	3.369	84	152	N.D.		
17) Acetone	0.000		0	N.D. d		
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
25) Acrylonitrile	0.000		0	N.D.		
27) Vinyl acetate	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
29) 2,2-Dichloropropane	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
32) Chloroform	4.858	83	333	N.D.		

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N06.D
Acq On : 19 Jun 2025 10:17 pm
Operator : VOA101:TMS
Sample : WG2081999-5,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 20 01:15:50 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) Carbon tetrachloride	0.000		0	N.D.		
37) 1,1,1-Trichloroethane	0.000		0	N.D.		
39) 2-Butanone	0.000		0	N.D.		
40) 1,1-Dichloropropene	0.000		0	N.D.		
41) Benzene	0.000		0	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.		
48) Trichloroethene	0.000		0	N.D.		d
50) Dibromomethane	0.000		0	N.D.		
51) 1,2-Dichloropropane	0.000		0	N.D.		
54) Bromodichloromethane	0.000		0	N.D.		
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	0.000		0	N.D.		
61) Toluene	0.000		0	N.D.		
62) 4-Methyl-2-pentanone	0.000		0	N.D.		
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.		
69) Chlorodibromomethane	0.000		0	N.D.		
70) 1,3-Dichloropropane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.		
72) 2-Hexanone	0.000		0	N.D.		
73) Chlorobenzene	0.000		0	N.D.		
74) Ethylbenzene	0.000		0	N.D.		d
75) 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
76) p/m Xylene	0.000		0	N.D.		
77) o Xylene	0.000		0	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	0.000		0	N.D.		
84) Bromobenzene	0.000		0	N.D.		
85) n-Propylbenzene	0.000		0	N.D.		d
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
88) 4-Ethyltoluene	0.000		0	N.D.		d
89) 2-Chlorotoluene	0.000		0	N.D.		d
90) 1,3,5-Trimethylbenzene	0.000		0	N.D.		d
91) 1,2,3-Trichloropropane	0.000		0	N.D.		
92) trans-1,4-Dichloro-2-b...	0.000		0	N.D.		
93) 4-Chlorotoluene	0.000		0	N.D.		d
94) tert-Butylbenzene	0.000		0	N.D.		d

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N06.D
Acq On : 19 Jun 2025 10:17 pm
Operator : VOA101:TMS
Sample : WG2081999-5,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 20 01:15:50 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
98) sec-Butylbenzene	0.000		0	N.D.	d	
99) p-Isopropyltoluene	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	0.000		0	N.D.	d	
101) 1,4-Dichlorobenzene	12.092	146	256	N.D.		
102) p-Diethylbenzene	0.000		0	N.D.	d	
103) n-Butylbenzene	0.000		0	N.D.	d	
104) 1,2-Dichlorobenzene	0.000		0	N.D.	d	
105) 1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
108) Hexachlorobutadiene	13.924	225	537	0.230	ug/L #	25
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.	d	
110) Naphthalene	0.000		0	N.D.	d	
111) 1,2,3-Trichlorobenzene	14.418	180	428	0.109	ug/L #	70

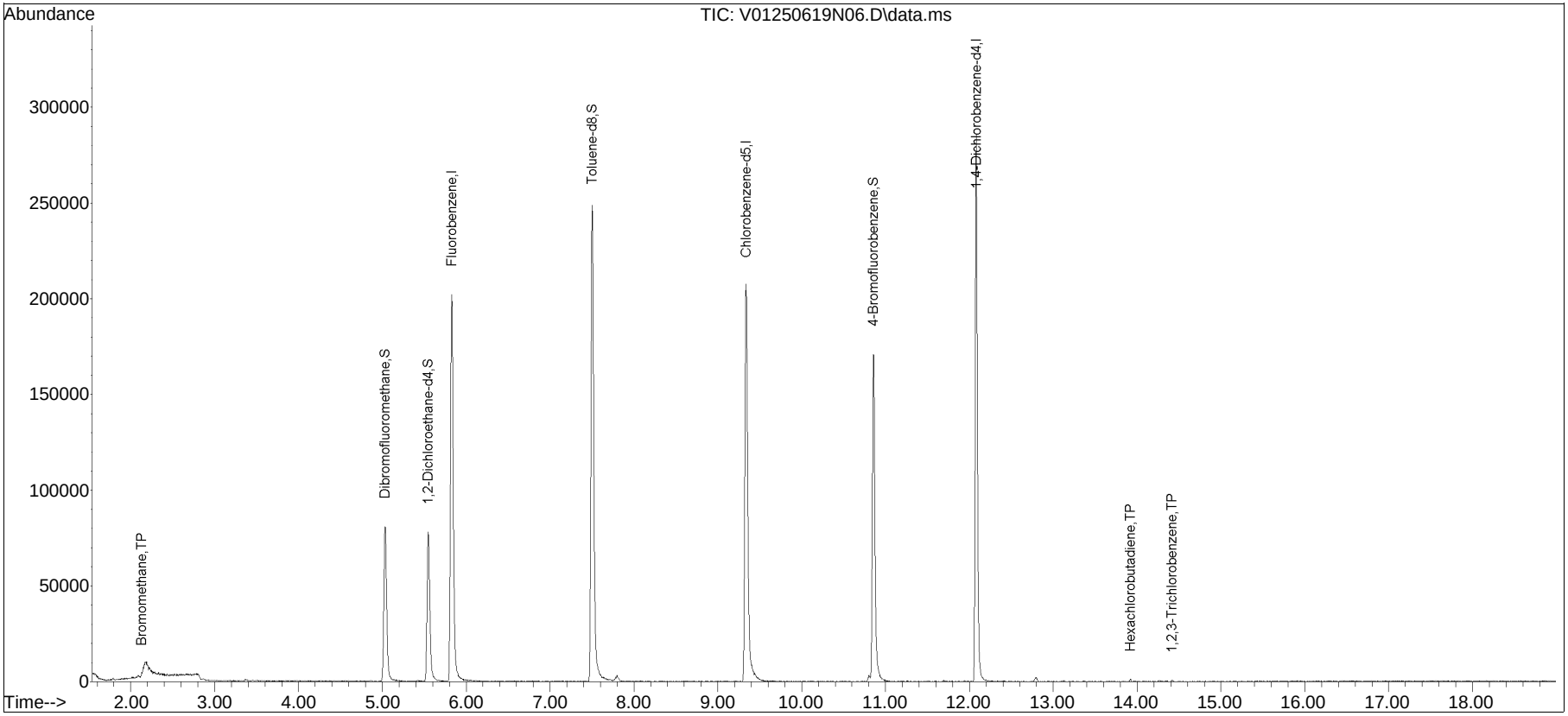
(#) = qualifier out of range (m) = manual integration (+) = signals summed

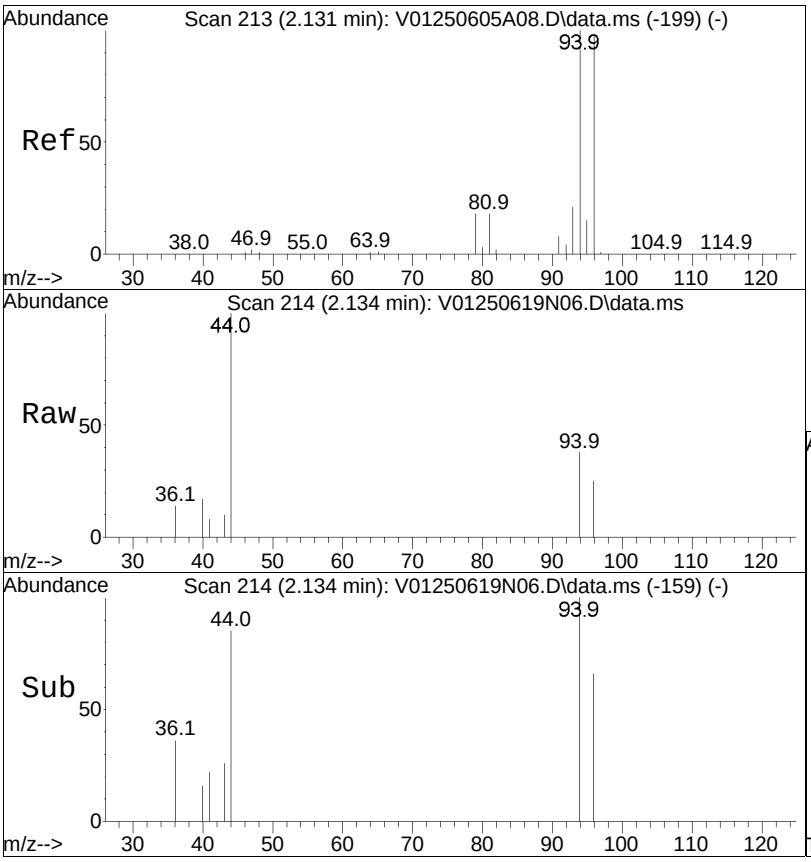
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N06.D
Acq On : 19 Jun 2025 10:17 pm
Operator : VOA101:TMS
Sample : WG2081999-5,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 20 01:15:50 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

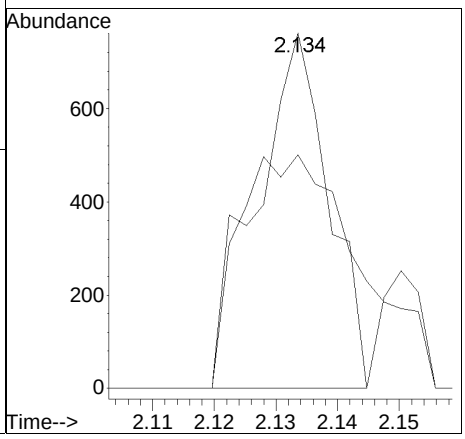


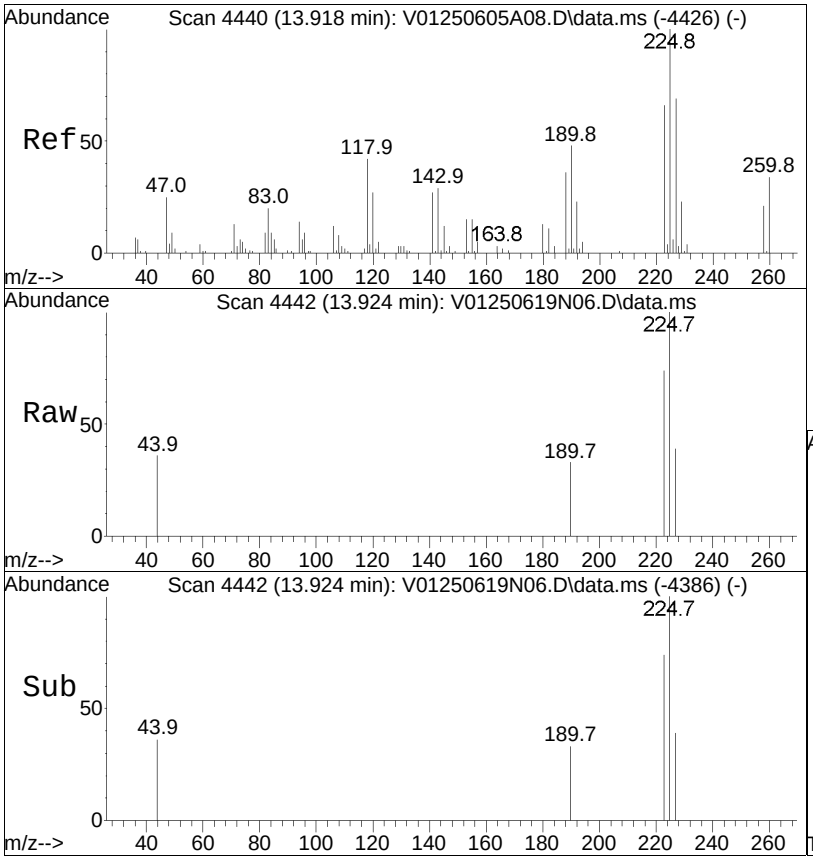


#5
Bromomethane
Concen: 0.12 ug/L
RT: 2.134 min Scan# 214
Delta R.T. 0.003 min
Lab File: V01250619N06.D
Acq: 19 Jun 2025 10:17 pm

Tgt Ion: 94 Resp: 624

Ion	Ratio	Lower	Upper
94	100		
96	108.8	76.1	116.1

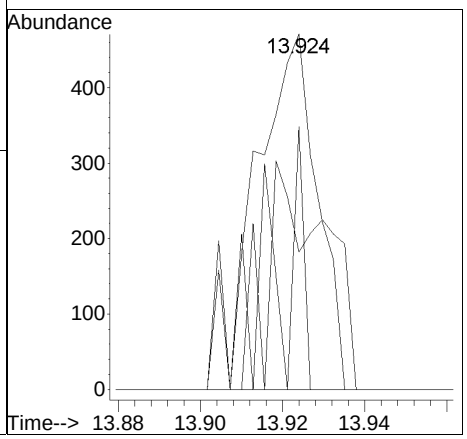


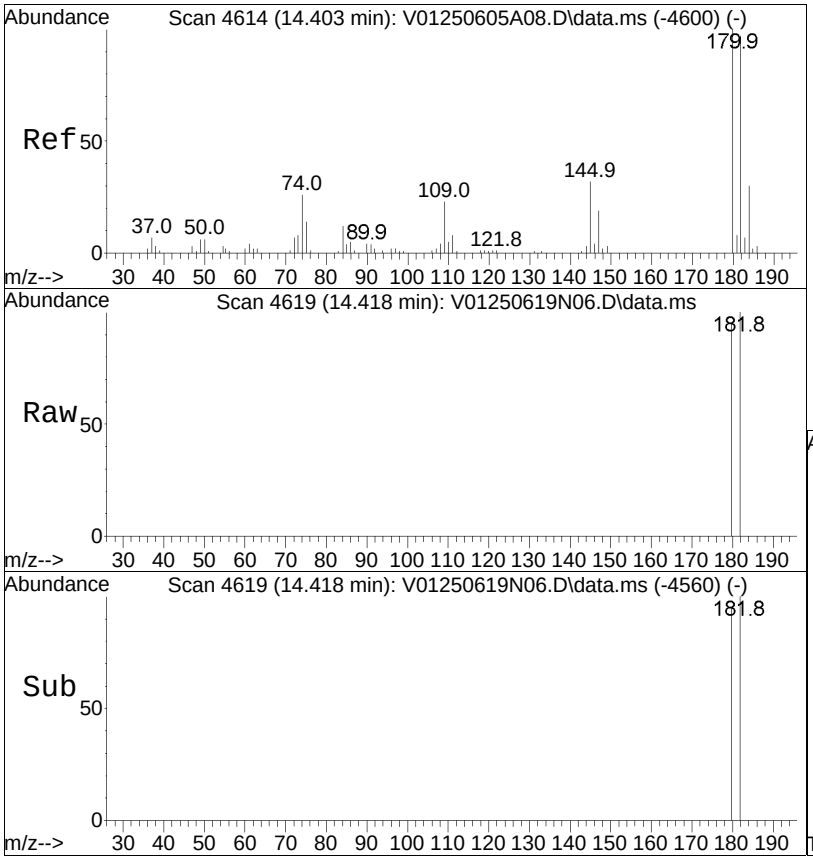


#108
Hexachlorobutadiene
Concen: 0.23 ug/L
RT: 13.924 min Scan# 4442
Delta R.T. 0.006 min
Lab File: V01250619N06.D
Acq: 19 Jun 2025 10:17 pm

Tgt Ion:225 Resp: 537

Ion	Ratio	Lower	Upper
225	100		
223	10.8	50.8	76.2#
227	0.0	51.8	77.8#

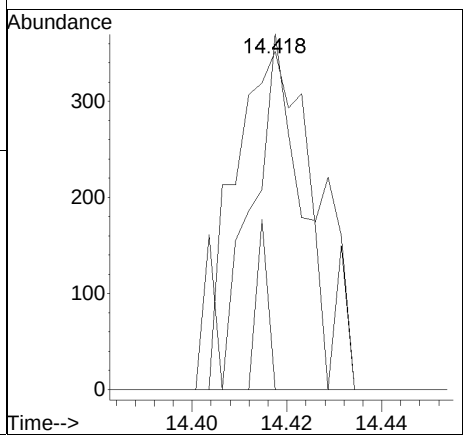




#111
1,2,3-Trichlorobenzene
Concen: 0.11 ug/L
RT: 14.418 min Scan# 4619
Delta R.T. 0.014 min
Lab File: V01250619N06.D
Acq: 19 Jun 2025 10:17 pm

Tgt Ion:180 Resp: 428

Ion	Ratio	Lower	Upper
180	100		
182	72.4	78.1	117.1#
145	7.0	25.3	37.9#



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N06.D	Operator	: VOA101:TMS
Date Inj'd	: 6/19/2025 10:17 pm	Instrument	: VOA 101
Sample	: WG2081999-5,31,10,10	Quant Date	: 6/20/2025 1:12 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B08.D
Acq On : 20 Jun 2025 12:51 pm
Operator : VOA130:PID
Sample : WG2082353-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 13:15:09 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.050	96	252983	10.000 ug/L	0.00
Standard Area 1 = 289219			Recovery =	87.47%	
63) Chlorobenzene-d5	9.587	117	224555	10.000 ug/L	# 0.00
Standard Area 1 = 244984			Recovery =	91.66%	
84) 1,4-Dichlorobenzene-d4	12.288	152	144074	10.000 ug/L	0.00
Standard Area 1 = 158819			Recovery =	90.72%	
System Monitoring Compounds					
39) Dibromofluoromethane	5.231	113	90612	11.496 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.96%	
47) 1,2-Dichloroethane-d4	5.756	65	68262	9.895 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.95%	
64) Toluene-d8	7.740	98	283947	9.581 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	95.81%	
88) 4-Bromofluorobenzene	11.080	95	111902	9.682 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	96.82%	
Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	
3) Chloromethane	1.846	50	112	N.D.	
4) Vinyl chloride	0.000		0	N.D.	
5) Bromomethane	2.232	94	127	N.D.	
6) Chloroethane	0.000		0	N.D.	
7) Trichlorofluoromethane	0.000		0	N.D.	
8) Ethyl ether	0.000		0	N.D.	
10) 1,1-Dichloroethene	0.000		0	N.D.	
11) Carbon disulfide	3.017	76	1711	0.131 ug/L #	73
15) Methylene chloride	3.535	84	366	N.D.	
17) Acetone	0.000		0	N.D. d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	
21) Methyl tert-butyl ether	0.000		0	N.D.	
25) 1,1-Dichloroethane	0.000		0	N.D.	
27) Acrylonitrile	0.000		0	N.D.	
29) Vinyl acetate	0.000		0	N.D.	
30) cis-1,2-Dichloroethene	0.000		0	N.D.	
31) 2,2-Dichloropropane	0.000		0	N.D.	
33) Bromochloromethane	0.000		0	N.D.	
35) Chloroform	5.065	83	315	N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B08.D
Acq On : 20 Jun 2025 12:51 pm
Operator : VOA130:PID
Sample : WG2082353-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 13:15:09 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) Carbon tetrachloride	0.000		0		N.D.	
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
43) 1,1-Dichloropropene	0.000		0		N.D.	
45) Benzene	0.000		0		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
54) Dibromomethane	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	0.000		0		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
74) 1,3-Dichloropropane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	9.581	91	383		N.D.	
80) 1,1,1,2-Tetrachloroethane	0.000		0		N.D.	
81) p/m Xylene	0.000		0		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	0.000		0		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
89) Bromobenzene	0.000		0		N.D.	
90) n-Propylbenzene	11.073	91	261		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
93) 4-Ethyltoluene	0.000		0		N.D.	
94) 2-Chlorotoluene	0.000		0		N.D.	
95) 1,3,5-Trimethylbenzene	0.000		0		N.D.	
96) 1,2,3-Trichloropropane	0.000		0		N.D.	
97) trans-1,4-Dichloro-2-b...	0.000		0		N.D.	
98) 4-Chlorotoluene	0.000		0		N.D.	
99) tert-Butylbenzene	0.000		0		N.D.	

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B08.D
Acq On : 20 Jun 2025 12:51 pm
Operator : VOA130:PID
Sample : WG2082353-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 13:15:09 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	0.000		0		N.D.	
103) sec-Butylbenzene	0.000		0		N.D.	
104) p-Isopropyltoluene	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	12.233	146	68		N.D.	
106) 1,4-Dichlorobenzene	12.301	146	264		N.D.	
107) p-Diethylbenzene	0.000		0		N.D.	
108) n-Butylbenzene	0.000		0		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
110) 1,2,4,5-Tetramethylben...	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
113) Hexachlorobutadiene	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	14.153	180	141		N.D.	
115) Naphthalene	0.000		0		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

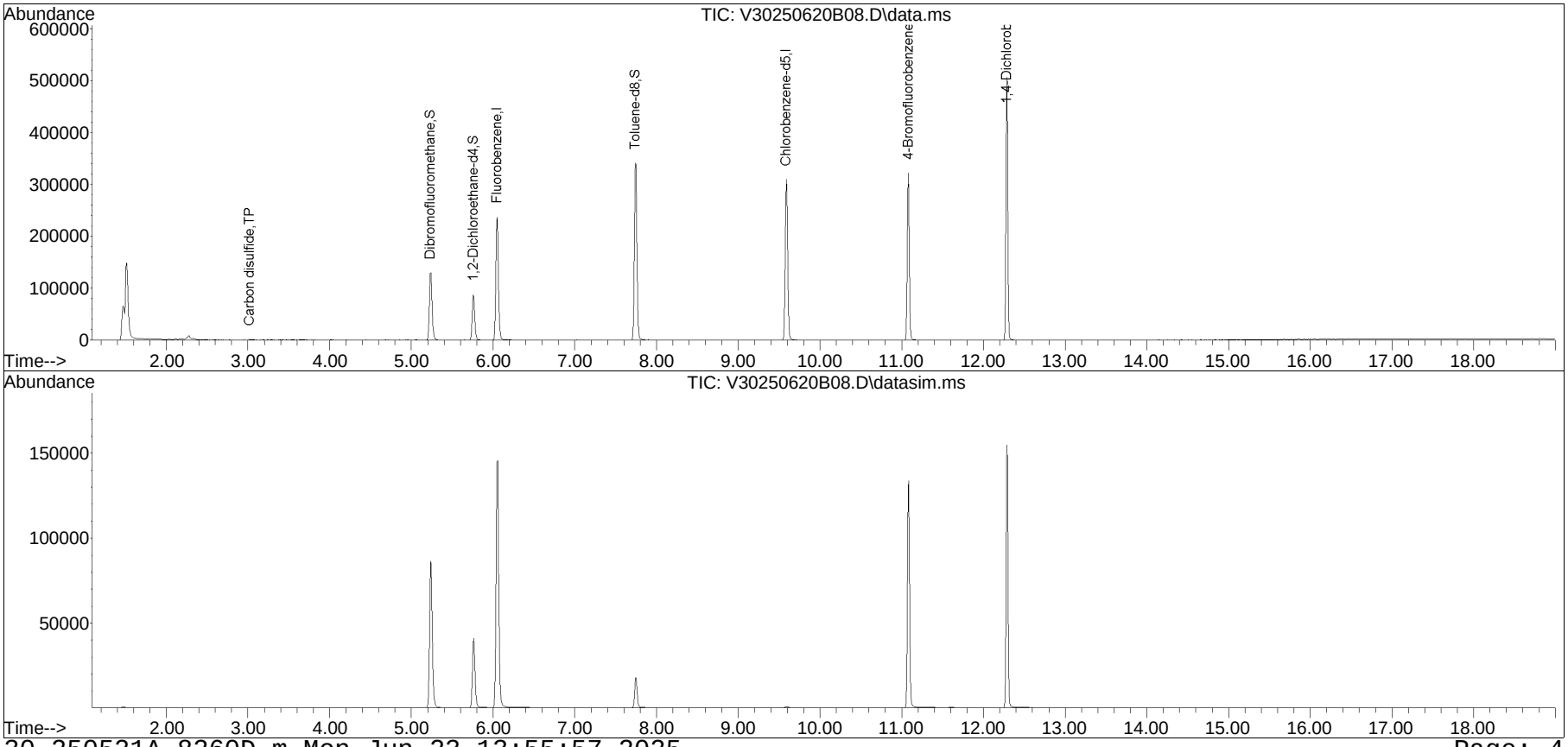
(#) = qualifier out of range (m) = manual integration (+) = signals summed

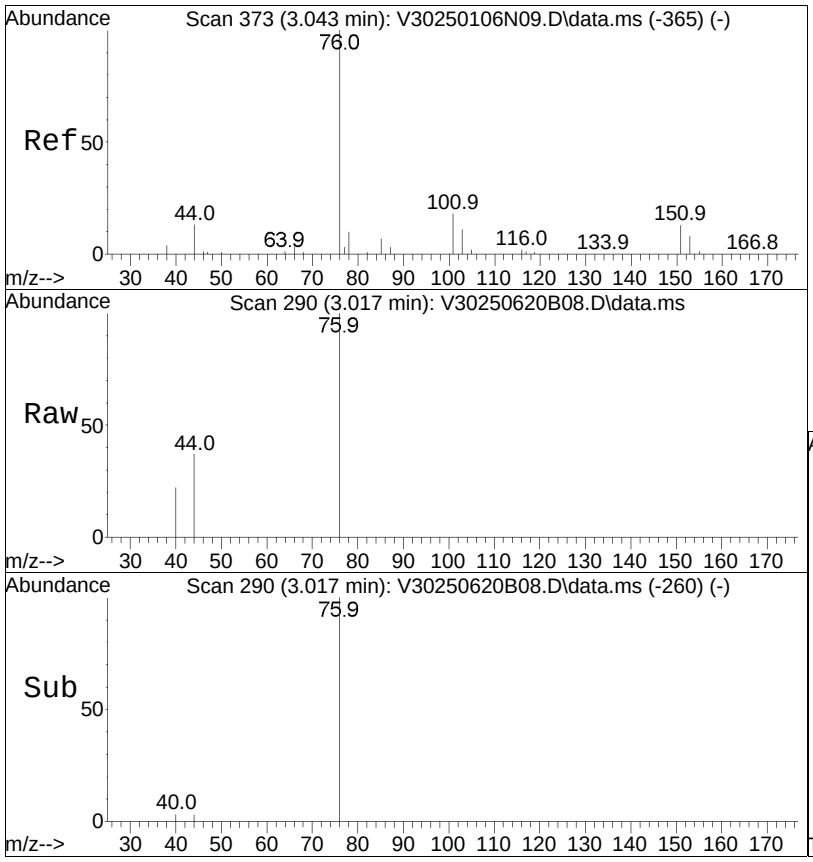
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B08.D
Acq On : 20 Jun 2025 12:51 pm
Operator : VOA130:PID
Sample : WG2082353-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 20 13:15:09 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•

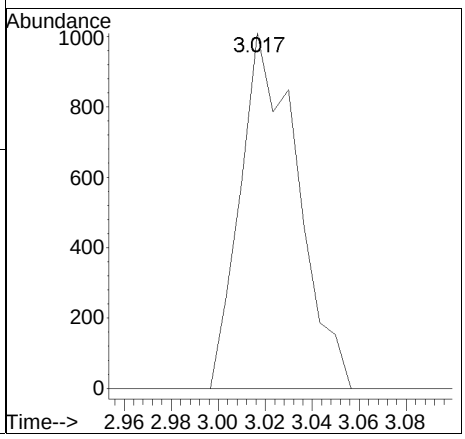




#11
Carbon disulfide
Concen: 0.13 ug/L
RT: 3.017 min Scan# 290
Delta R.T. 0.001 min
Lab File: V30250620B08.D
Acq: 20 Jun 2025 12:51 pm

Tgt Ion: 76 Resp: 1711

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.4	13.4#



Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B08.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 12:51 pm	Instrument	: VOA130
Sample	: WG2082353-5,31,10,10	Quant Date	: 6/20/2025 1:14 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	5.742	96	268738	10.000 ug/L	0.00
Standard Area 1 = 268738			Recovery = 100.00%		
63) Chlorobenzene-d5	9.253	117	217636	10.000 ug/L	0.00
Standard Area 1 = 217636			Recovery = 100.00%		
84) 1,4-Dichlorobenzene-d4	12.011	152	131839	10.000 ug/L	0.00
Standard Area 1 = 131839			Recovery = 100.00%		
System Monitoring Compounds					
39) Dibromofluoromethane	4.943	113	76979	10.288 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.88%		
47) 1,2-Dichloroethane-d4	5.461	65	74938	10.114 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.14%		
64) Toluene-d8	7.420	98	273913	9.987 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 99.87%		
88) 4-Bromofluorobenzene	10.777	95	95102	8.949 ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.49%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.514	85	60477	6.981 ug/L	99
3) Chloromethane	1.698	50	69888	7.617 ug/L	100
4) Vinyl chloride	1.759	62	78643	9.954 ug/L	99
5) Bromomethane	2.049	94	37460	8.524 ug/L	98
6) Chloroethane	2.155	64	62643	12.222 ug/L	96
7) Trichlorofluoromethane	2.291	101	109713	10.668 ug/L	99
8) Ethyl ether	2.572	74	37525	11.597 ug/L	84
10) 1,1-Dichloroethene	2.752	96	69777	11.496 ug/L	81
11) Carbon disulfide	2.782	76	219742	11.475 ug/L	99
15) Methylene chloride	3.287	84	72537	10.897 ug/L	83
17) Acetone	3.327	43	13325	8.959 ug/L	98
18) trans-1,2-Dichloroethene	3.432	96	67510	10.885 ug/L	89
21) Methyl tert-butyl ether	3.529	73	131109	9.263 ug/L #	93
25) 1,1-Dichloroethane	4.003	63	129381	10.569 ug/L	98
27) Acrylonitrile	4.043	53	16709	9.250 ug/L	96
29) Vinyl acetate	4.227	43	95832	8.212 ug/L	96
30) cis-1,2-Dichloroethene	4.512	96	78650	10.950 ug/L	85
31) 2,2-Dichloropropane	4.609	77	95868	10.089 ug/L	86
33) Bromochloromethane	4.697	128	39334	11.487 ug/L #	76
35) Chloroform	4.776	83	121103	10.598 ug/L	98

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.899	117	86751M6	10.785	ug/L		
40) 1,1,1-Trichloroethane	4.965	97	98438	10.584	ug/L		96
42) 2-Butanone	5.057	43	17305	8.066	ug/L		95
43) 1,1-Dichloropropene	5.088	75	74707	10.506	ug/L		96
45) Benzene	5.329	78	258268	10.577	ug/L		96
48) 1,2-Dichloroethane	5.531	62	74692	10.243	ug/L		99
52) Trichloroethene	5.918	95	63598	10.647	ug/L		93
54) Dibromomethane	6.357	93	36046	10.362	ug/L		91
55) 1,2-Dichloropropane	6.456	63	63454	9.972	ug/L		99
58) Bromodichloromethane	6.533	83	82288	9.989	ug/L		100
61) 1,4-Dioxane	6.741	88	24898	820.966	ug/L	#	85
62) cis-1,3-Dichloropropene	7.212	75	91929	10.022	ug/L		92
65) Toluene	7.475	92	172808	10.883	ug/L		99
66) 4-Methyl-2-pentanone	7.909	58	13673	8.672	ug/L		84
67) Tetrachloroethene	7.918	166	80523	12.137	ug/L		96
69) trans-1,3-Dichloropropene	7.959	75	76425	9.916	ug/L		92
72) 1,1,2-Trichloroethane	8.144	83	40632	10.625	ug/L		93
73) Chlorodibromomethane	8.348	129	61410	10.290	ug/L		98
74) 1,3-Dichloropropane	8.461	76	85275	10.568	ug/L		99
75) 1,2-Dibromoethane	8.619	107	47822	10.409	ug/L		97
77) 2-Hexanone	8.914	43	23333	6.534	ug/L		96
78) Chlorobenzene	9.267	112	209823	11.300	ug/L		91
79) Ethylbenzene	9.312	91	345319	10.628	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.357	131	67838	11.095	ug/L		98
81) p/m Xylene	9.497	106	281020	20.694	ug/L		92
82) o Xylene	10.045	106	274725	20.443	ug/L		91
83) Styrene	10.117	104	460308	20.356	ug/L		94
85) Bromoform	10.140	173	40563	10.357	ug/L		94
87) Isopropylbenzene	10.442	105	351516	9.675	ug/L		95
89) Bromobenzene	10.887	156	91757	11.050	ug/L		97
90) n-Propylbenzene	10.940	91	426308	9.956	ug/L		96
92) 1,1,2,2-Tetrachloroethane	11.032	83	61885	10.739	ug/L		97
93) 4-Ethyltoluene	11.068	105	353665	9.690	ug/L		96
94) 2-Chlorotoluene	11.107	91	259449M6	10.212	ug/L		
95) 1,3,5-Trimethylbenzene	11.169	105	319209	9.974	ug/L		96
96) 1,2,3-Trichloropropane	11.169	75	50722	10.131	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.226	53	15959	7.871	ug/L	#	75
98) 4-Chlorotoluene	11.292	91	263008	9.962	ug/L		93
99) tert-Butylbenzene	11.513	119	273141	9.816	ug/L		93

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102) 1,2,4-Trimethylbenzene	11.596	105	317005	10.195	ug/L	94
103) sec-Butylbenzene	11.711	105	397685	9.955	ug/L	99
104) p-Isopropyltoluene	11.870	119	360444	10.166	ug/L	97
105) 1,3-Dichlorobenzene	11.931	146	202671	11.039	ug/L	97
106) 1,4-Dichlorobenzene	12.028	146	196807	10.863	ug/L	98
107) p-Diethylbenzene	12.248	119	213917	10.074	ug/L	96
108) n-Butylbenzene	12.306	91	294773	10.069	ug/L	97
109) 1,2-Dichlorobenzene	12.451	146	188372	11.028	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.046	119	329903	9.972	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.240	155	10998	10.579	ug/L	97
113) Hexachlorobutadiene	13.852	225	46373	13.176	ug/L	98
114) 1,2,4-Trichlorobenzene	13.870	180	124241	11.125	ug/L	99
115) Naphthalene	14.165	128	245627	9.419	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	112747	11.262	ug/L	99

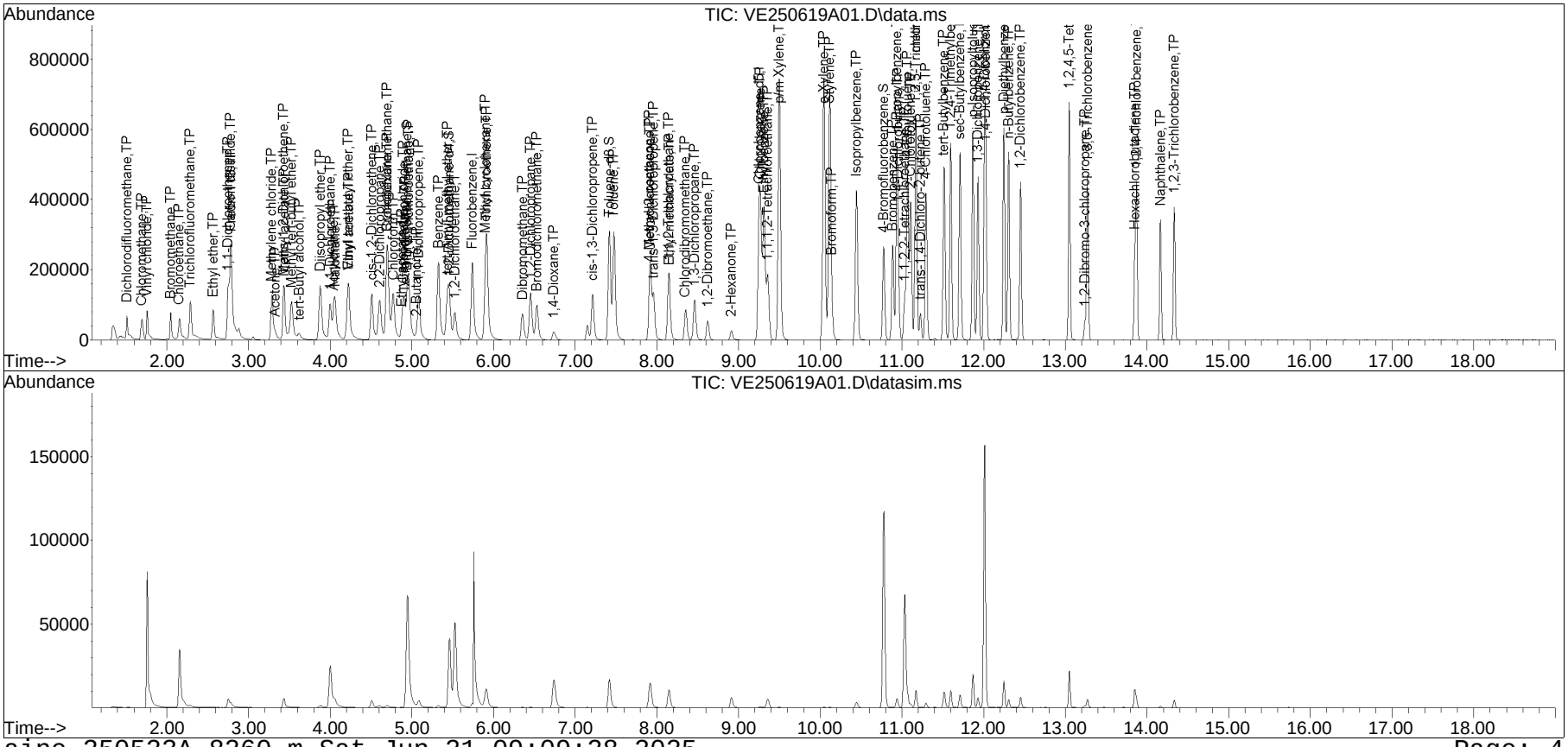
(#) = qualifier out of range (m) = manual integration (+) = signals summed

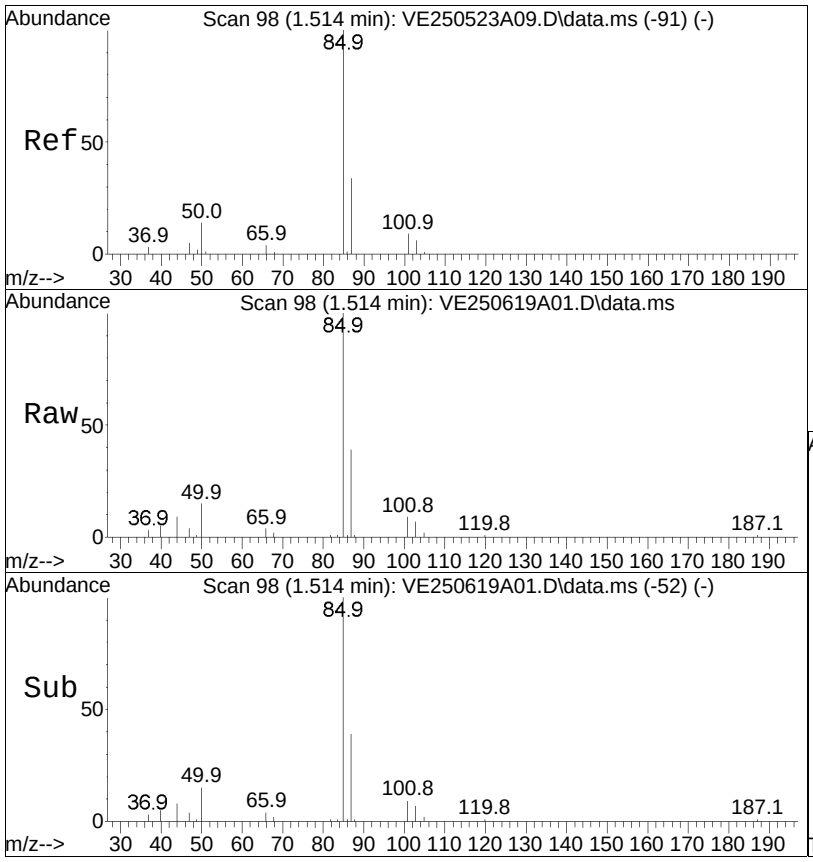
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Acq On : 19 Jun 2025 9:47 am
Operator : ELAINE:PID
Sample : WG2081757-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 19 10:53:06 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

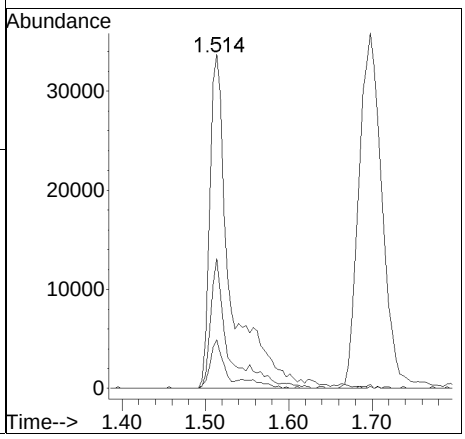


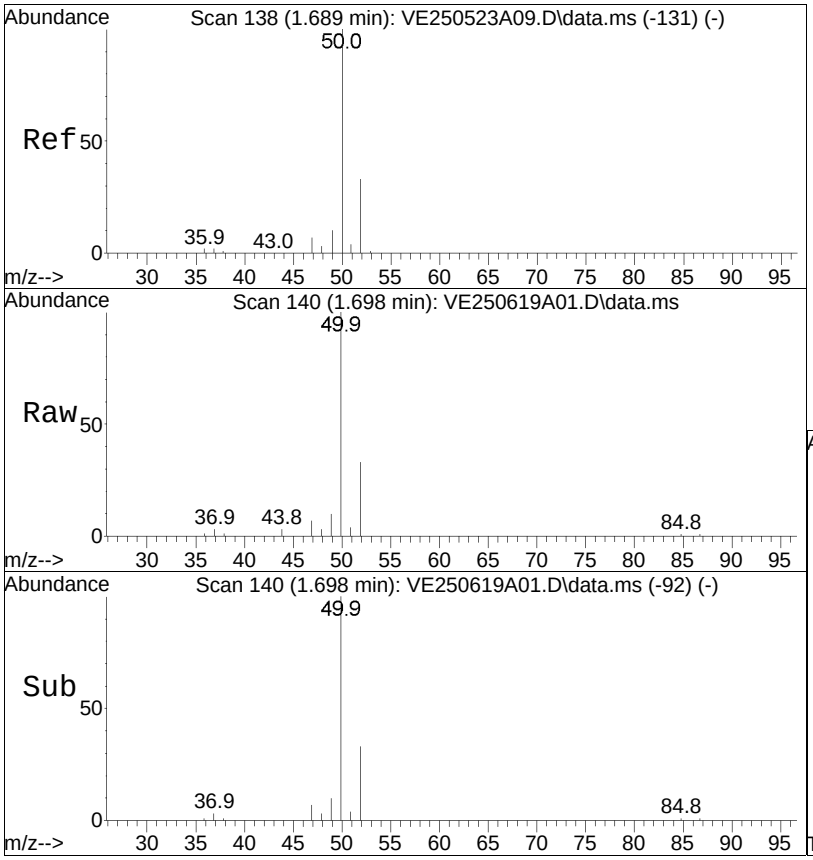


#2
Dichlorodifluoromethane
Concen: 6.98 ug/L
RT: 1.514 min Scan# 98
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 85 Resp: 60477

Ion	Ratio	Lower	Upper
85	100		
87	32.7	21.2	44.0
50	12.3	8.5	17.7

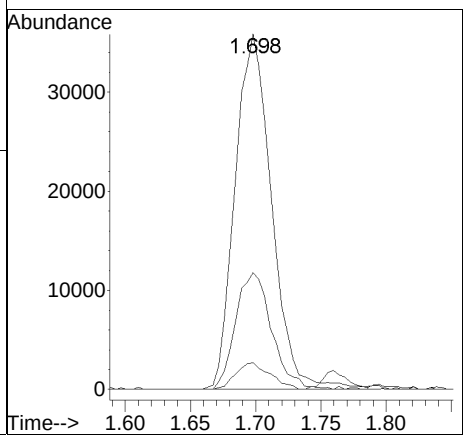


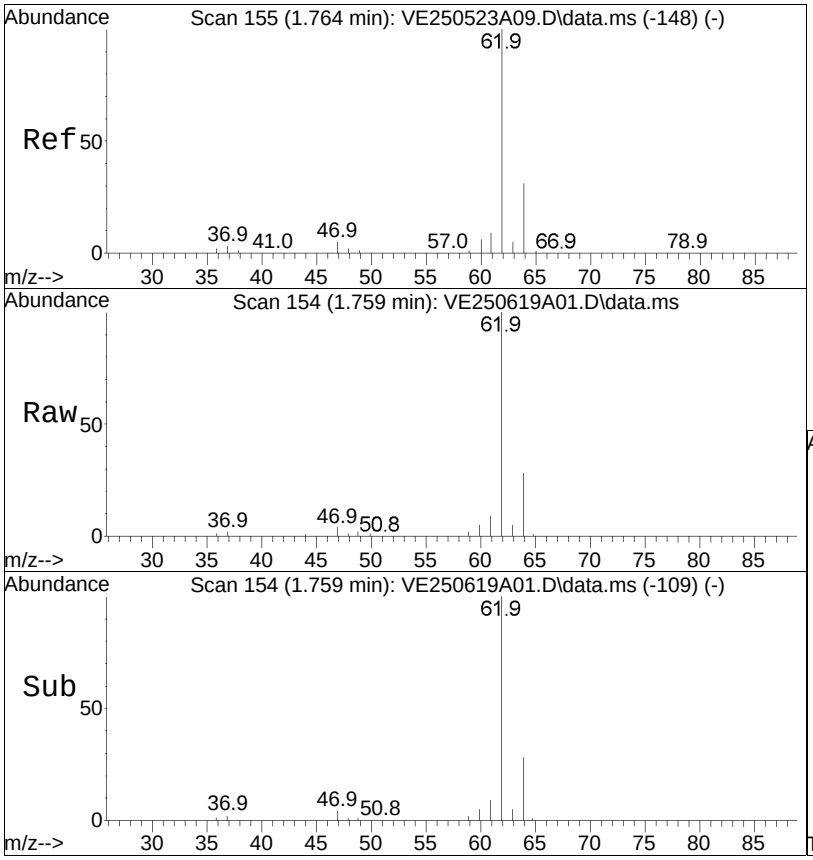


#3
Chloromethane
Concen: 7.62 ug/L
RT: 1.698 min Scan# 140
Delta R.T. 0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 50 Resp: 69888

Ion	Ratio	Lower	Upper
50	100		
52	32.4	12.2	52.2
47	7.1	0.0	27.4

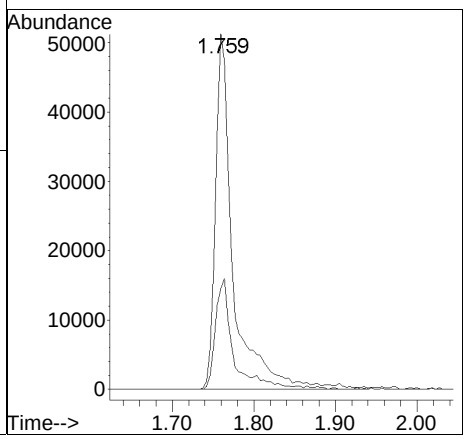


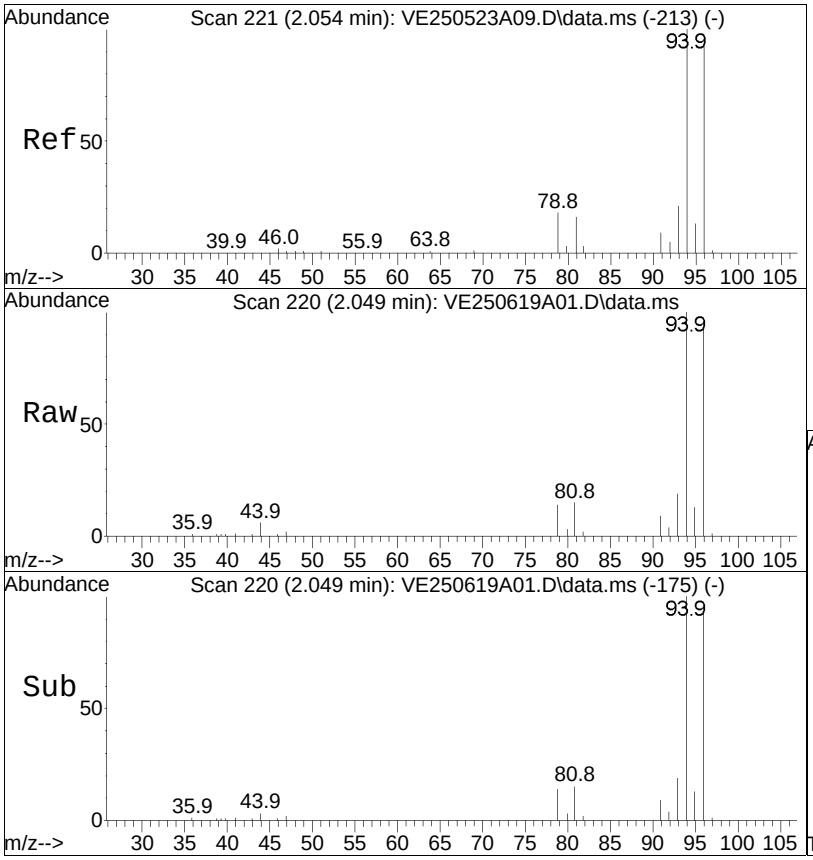


#4
Vinyl chloride
Concen: 9.95 ug/L
RT: 1.759 min Scan# 154
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 62 Resp: 78643

Ion	Ratio	Lower	Upper
62	100		
64	31.9	12.2	52.2

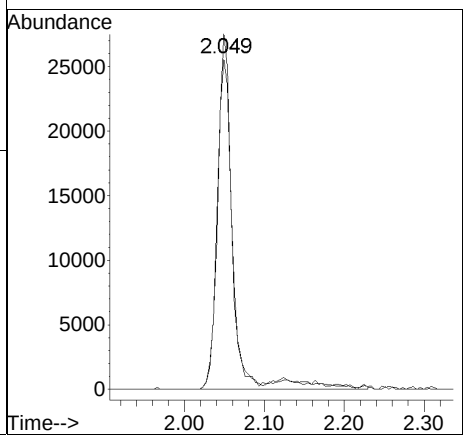


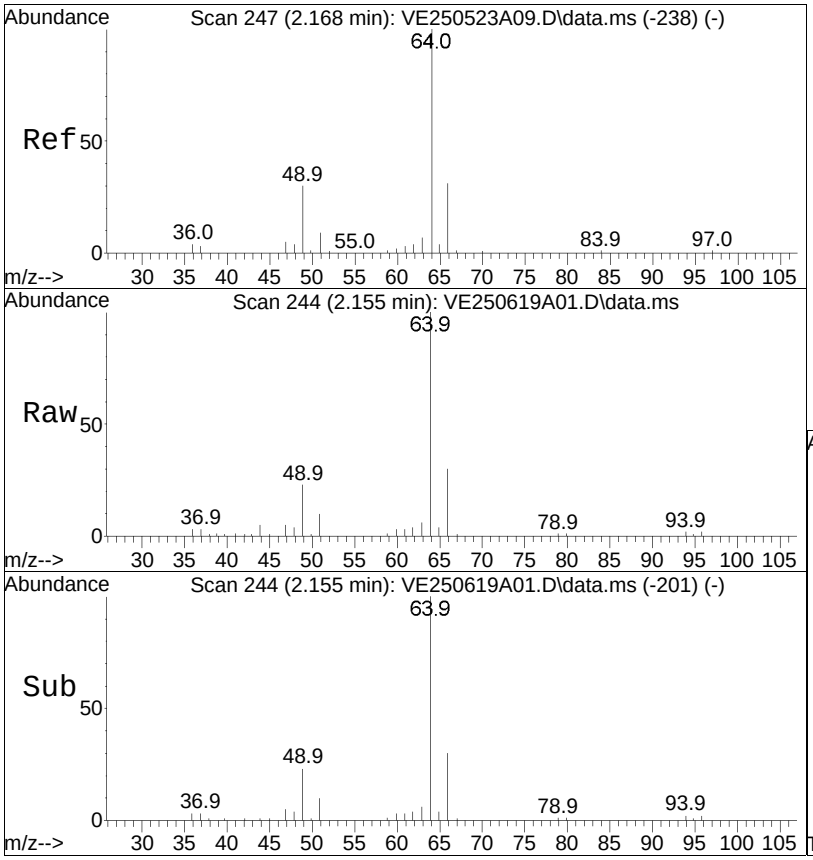


#5
Bromomethane
Concen: 8.52 ug/L
RT: 2.049 min Scan# 220
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 94 Resp: 37460

Ion	Ratio	Lower	Upper
94	100		
96	94.1	72.7	112.7

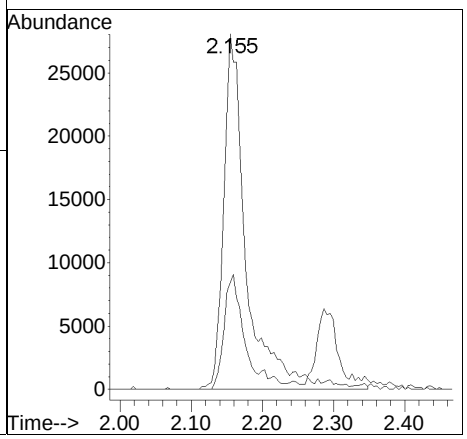


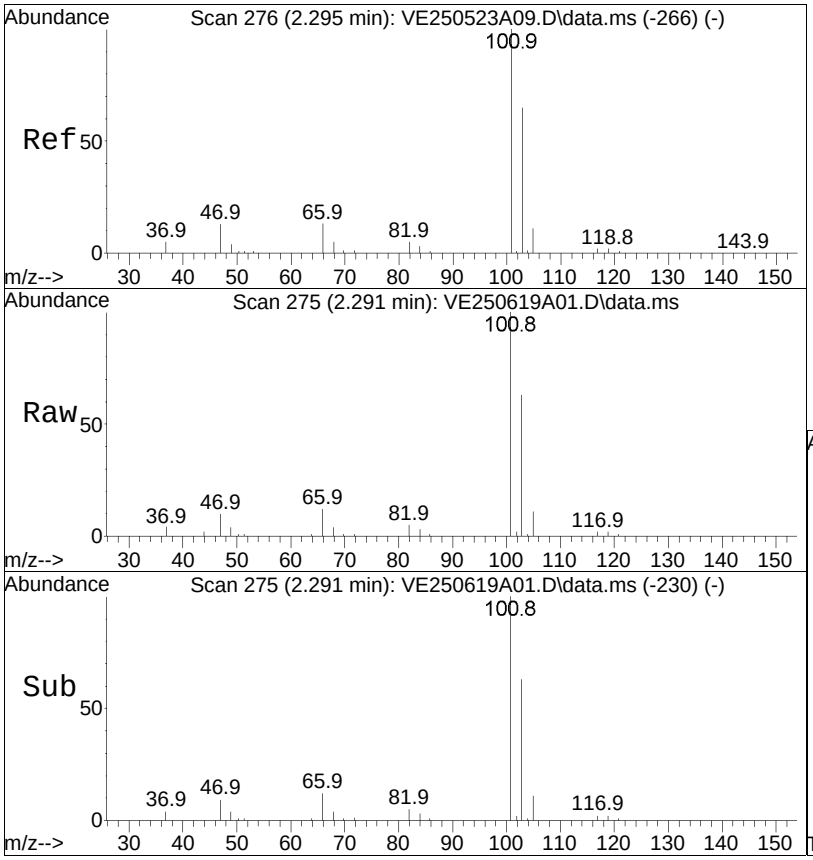


#6
Chloroethane
Concen: 12.22 ug/L
RT: 2.155 min Scan# 244
Delta R.T. -0.013 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 64 Resp: 62643

Ion	Ratio	Lower	Upper
64	100		
66	30.9	13.1	53.1

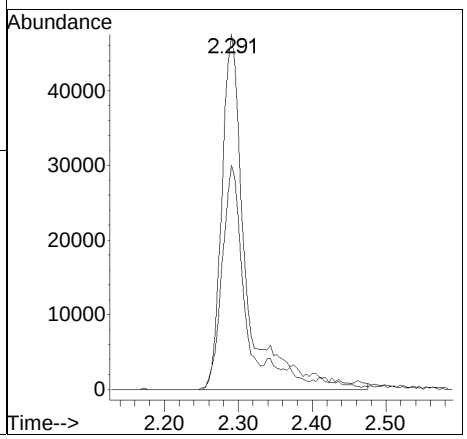


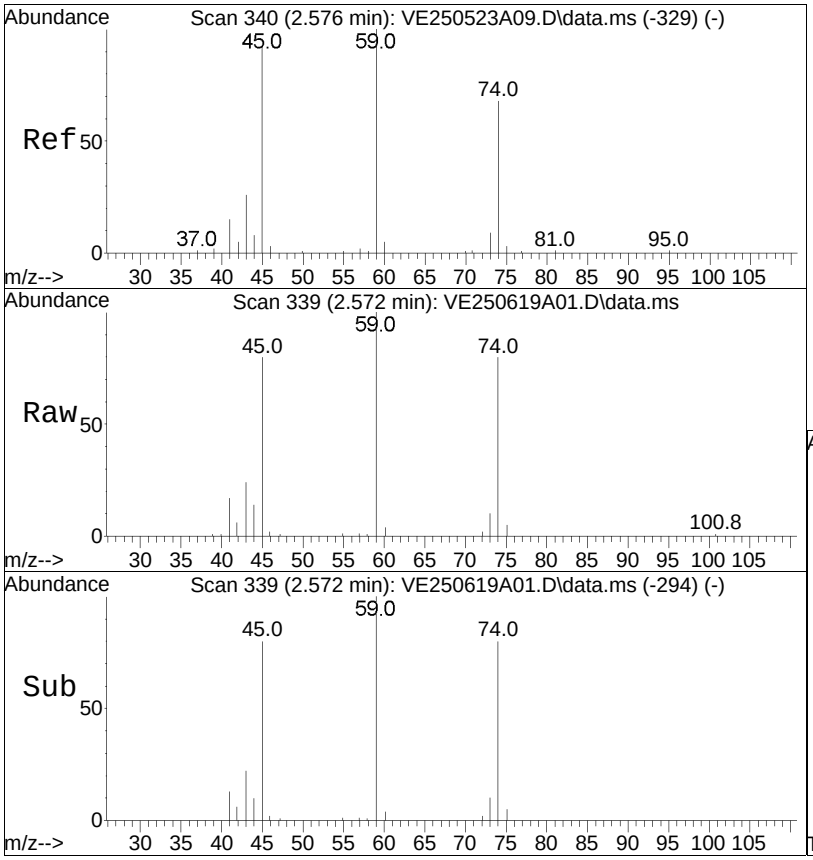


#7
Trichlorofluoromethane
Concen: 10.67 ug/L
RT: 2.291 min Scan# 275
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:101 Resp: 109713

Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.0	78.0

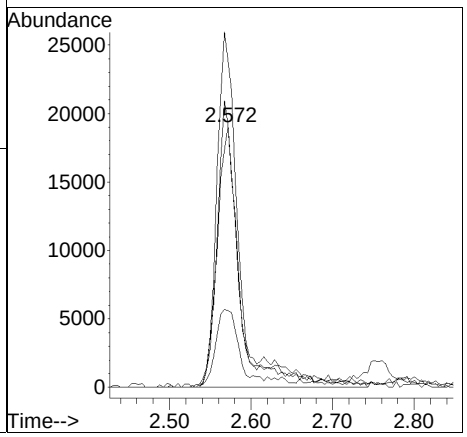


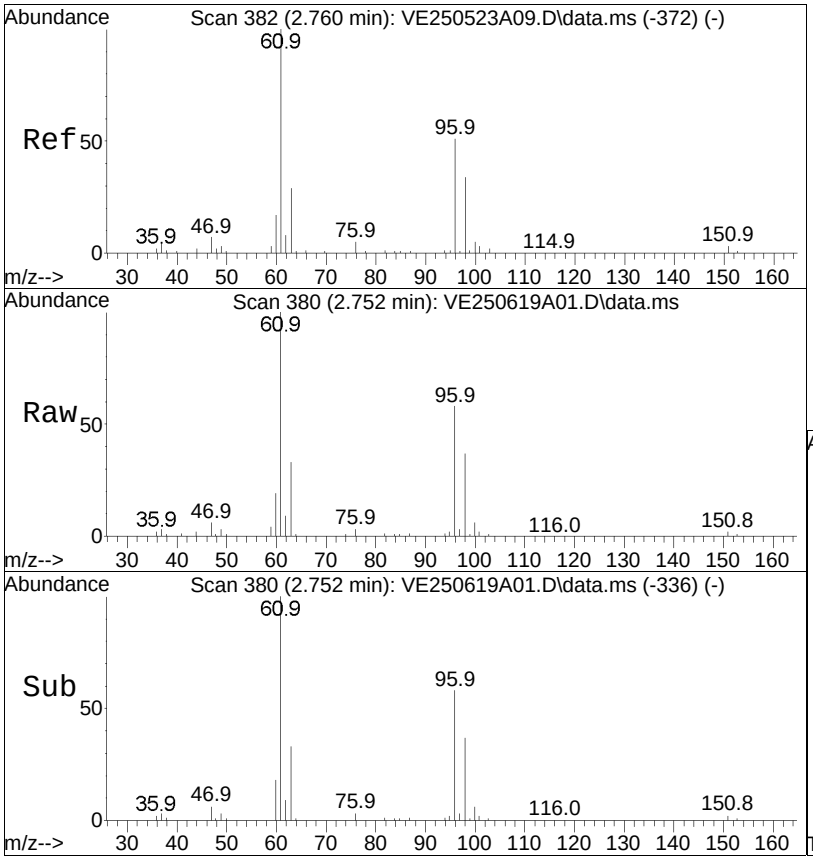


#8
Ethyl ether
Concen: 11.60 ug/L
RT: 2.572 min Scan# 339
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 74 Resp: 37525

Ion	Ratio	Lower	Upper
74	100		
59	141.7	105.2	218.4
45	107.6	84.1	174.7
43	39.7	32.2	67.0

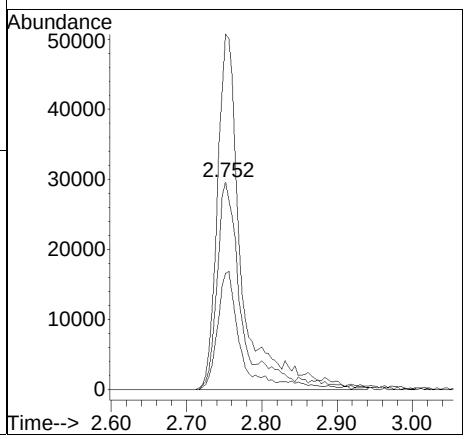


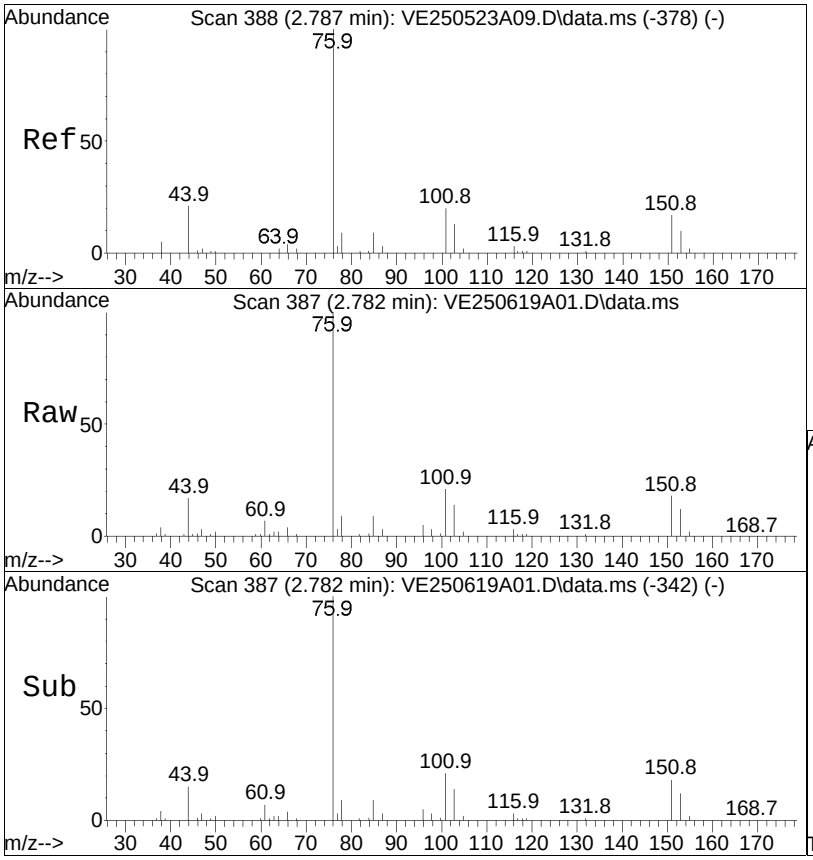


#10
1,1-Dichloroethene
Concen: 11.50 ug/L
RT: 2.752 min Scan# 380
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 96 Resp: 69777

Ion	Ratio	Lower	Upper
96	100		
61	165.1	158.3	237.5
63	53.4	50.2	75.2

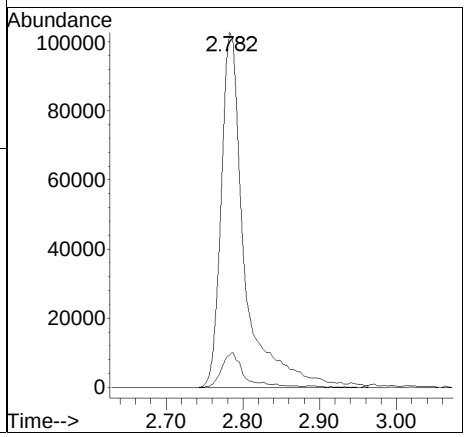


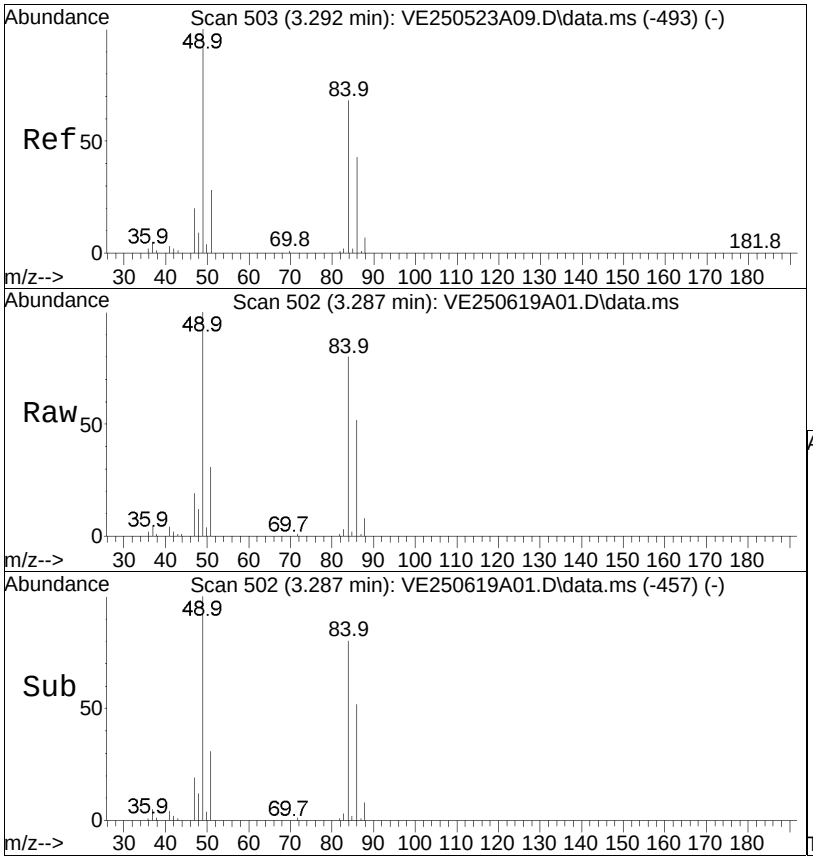


#11
Carbon disulfide
Concen: 11.47 ug/L
RT: 2.782 min Scan# 387
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 76 Resp: 219742

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.6	13.8

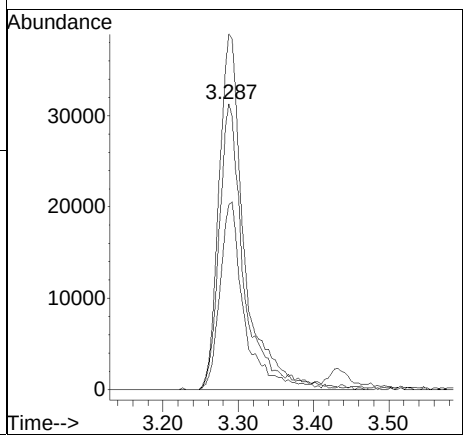


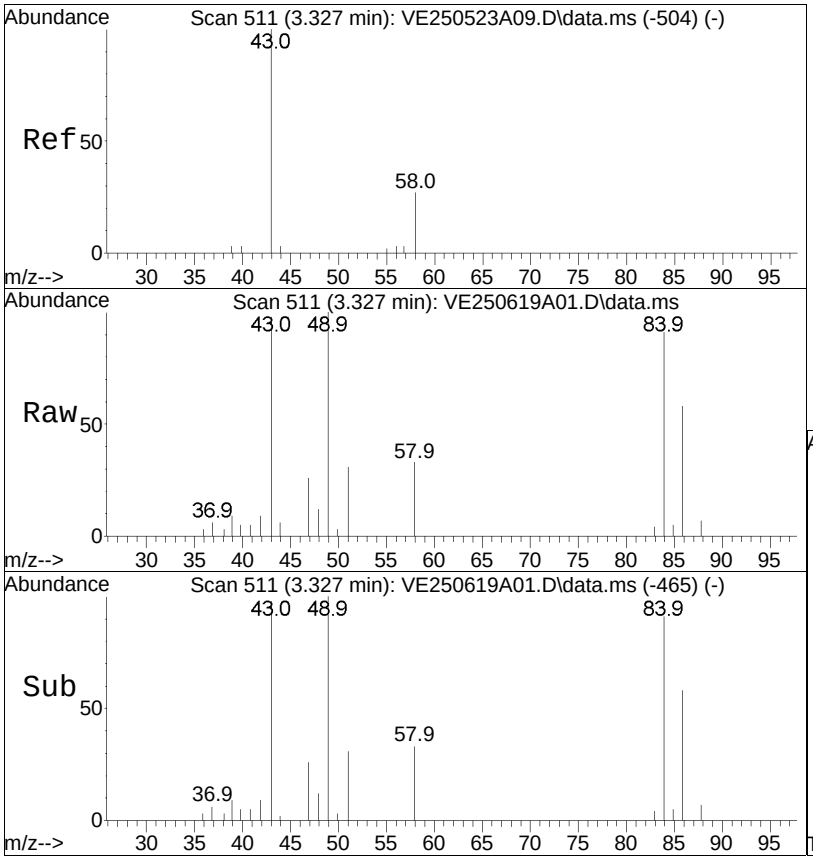


#15
Methylene chloride
Concen: 10.90 ug/L
RT: 3.287 min Scan# 502
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 84 Resp: 72537

Ion	Ratio	Lower	Upper
84	100		
86	64.8	40.6	84.4
49	125.2	100.0	207.6

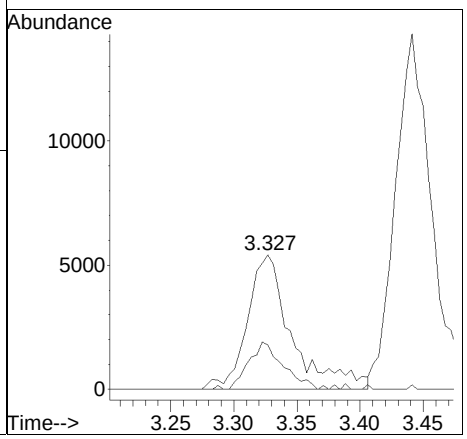


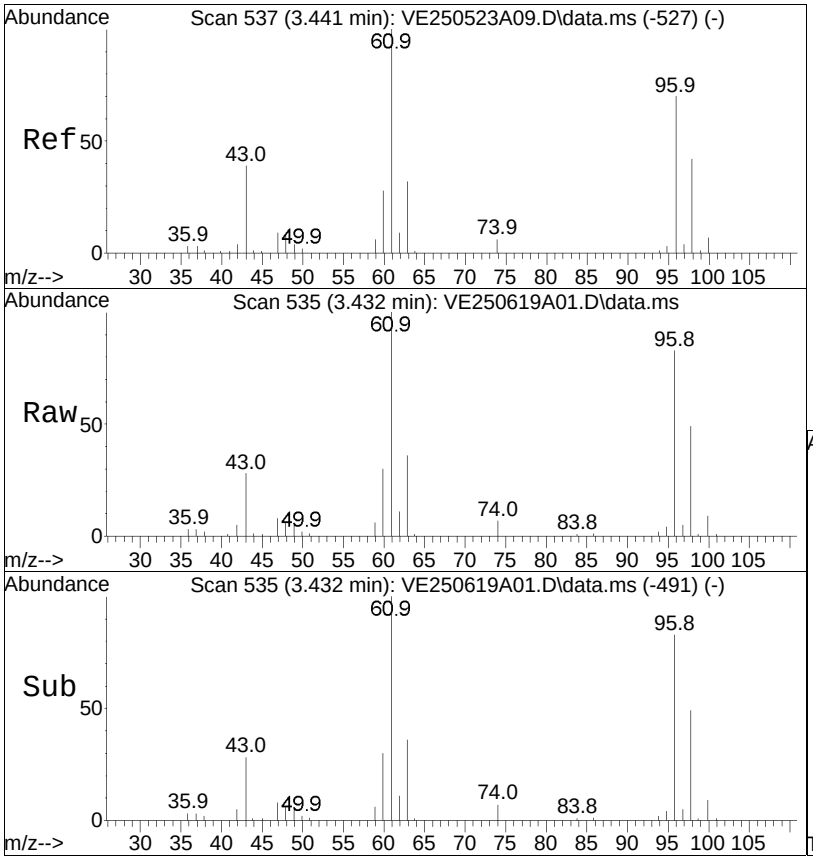


#17
Acetone
Concen: 8.96 ug/L
RT: 3.327 min Scan# 511
Delta R.T. -0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 43 Resp: 13325

Ion	Ratio	Lower	Upper
43	100		
58	27.1	22.4	33.6

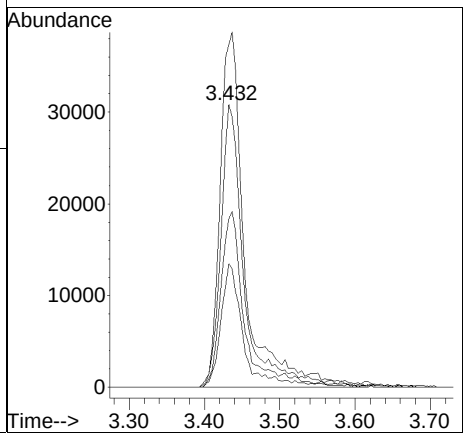


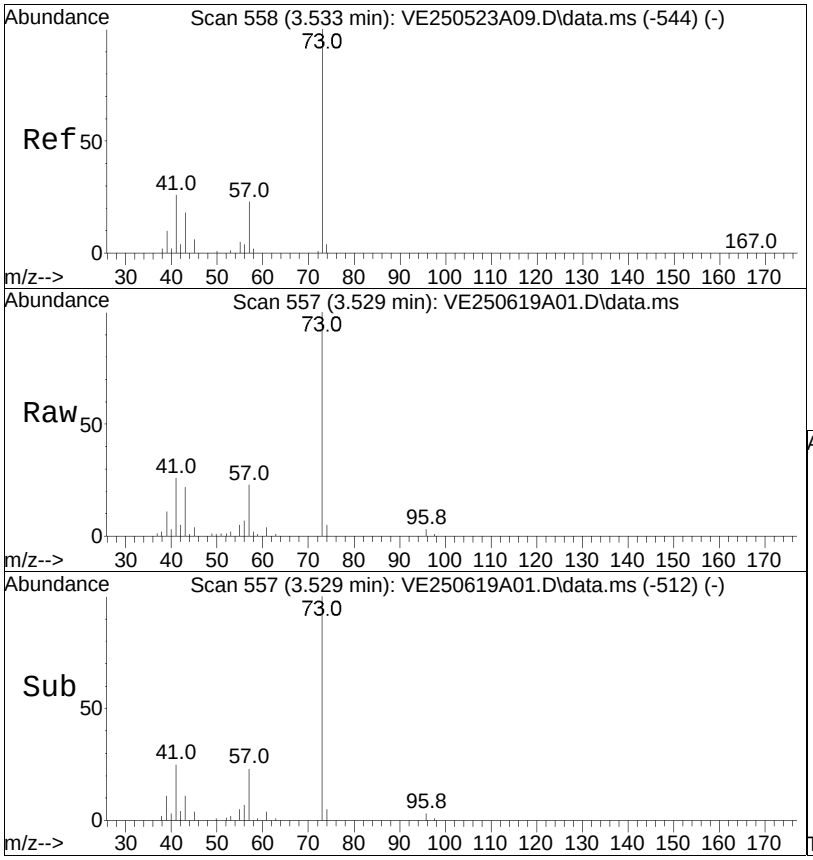


#18
trans-1,2-Dichloroethene
Concen: 10.89 ug/L
RT: 3.432 min Scan# 535
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 96 Resp: 67510

Ion	Ratio	Lower	Upper
96	100		
61	134.0	99.5	206.6
98	64.5	40.5	84.1
63	42.7	32.0	66.4

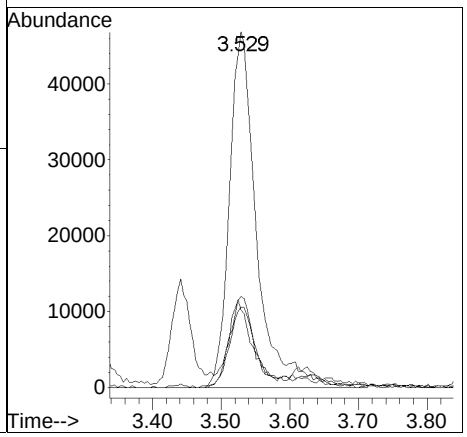


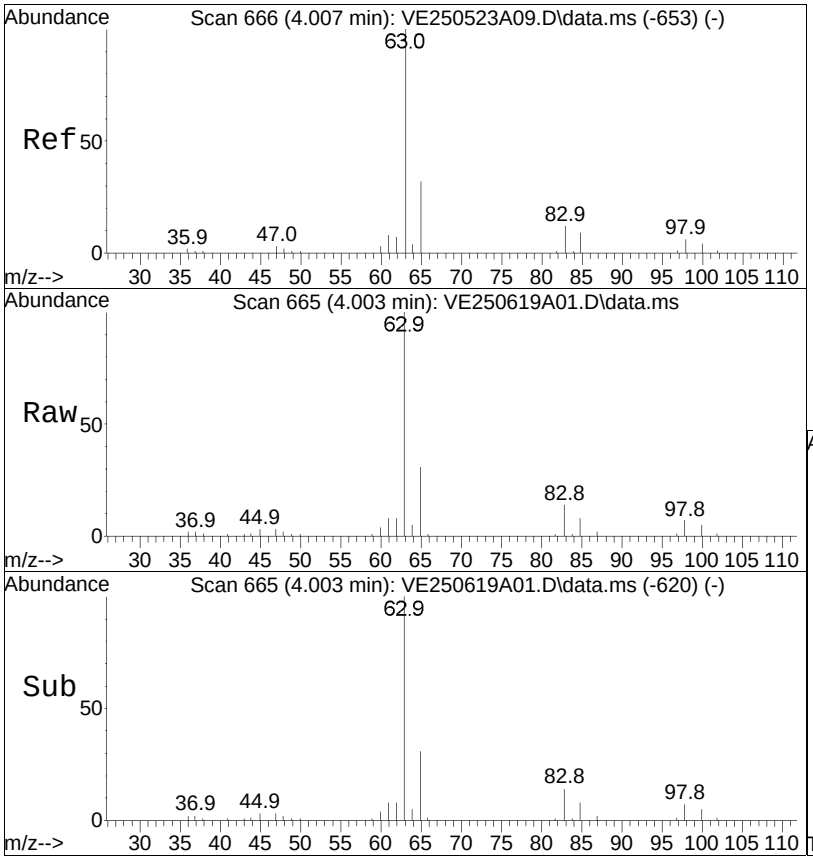


#21
Methyl tert-butyl ether
Concen: 9.26 ug/L
RT: 3.529 min Scan# 557
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 73 Resp: 131109

Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.6	36.5
43	24.4	0.0	0.0#
41	30.5	22.8	47.4

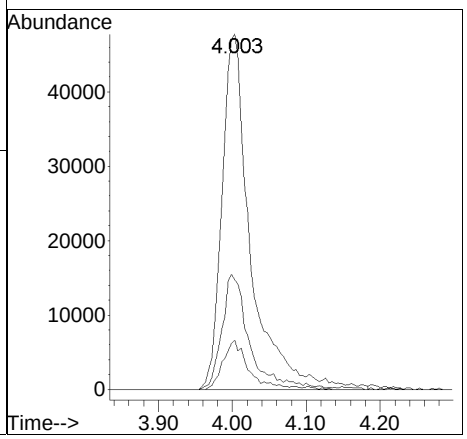


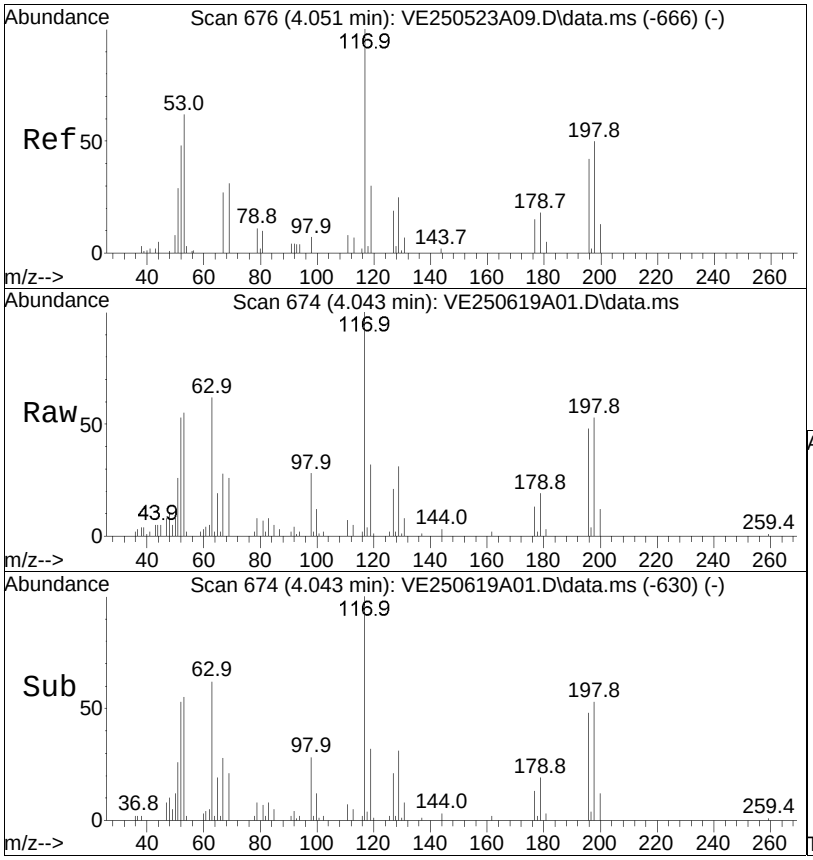


#25
1,1-Dichloroethane
Concen: 10.57 ug/L
RT: 4.003 min Scan# 665
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 63 Resp: 129381

Ion	Ratio	Lower	Upper
63	100		
65	31.7	10.0	50.0
83	12.6	0.0	32.2

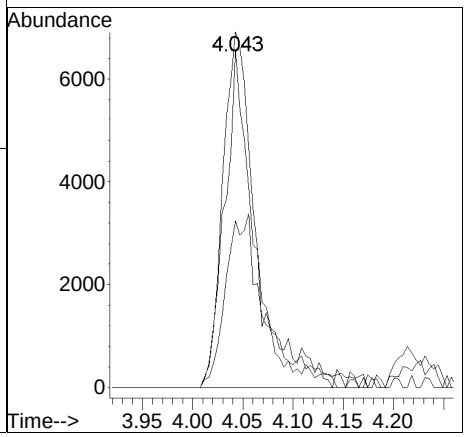


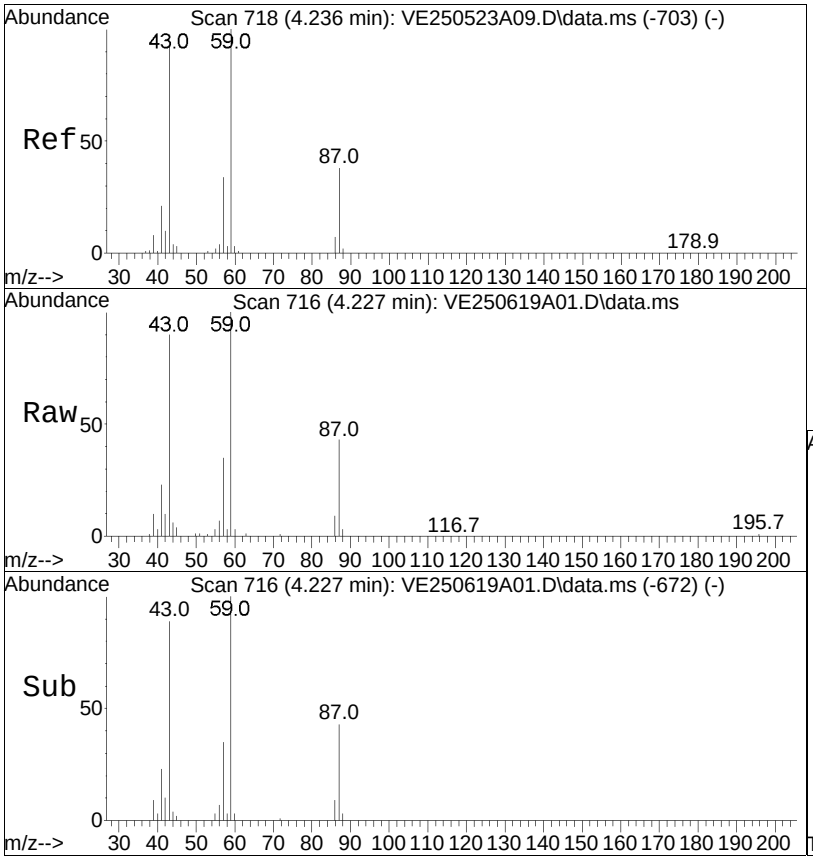


#27
Acrylonitrile
Concen: 9.25 ug/L
RT: 4.043 min Scan# 674
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 53 Resp: 16709

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.8	98.8
51	52.6	47.6	71.4

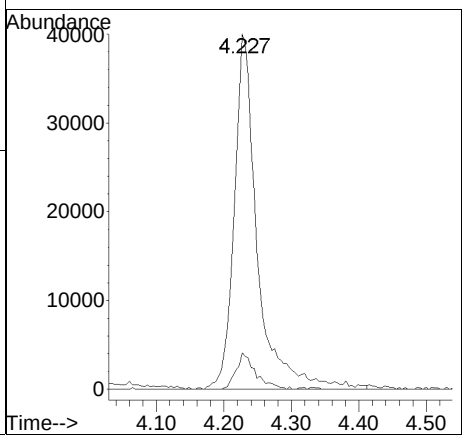


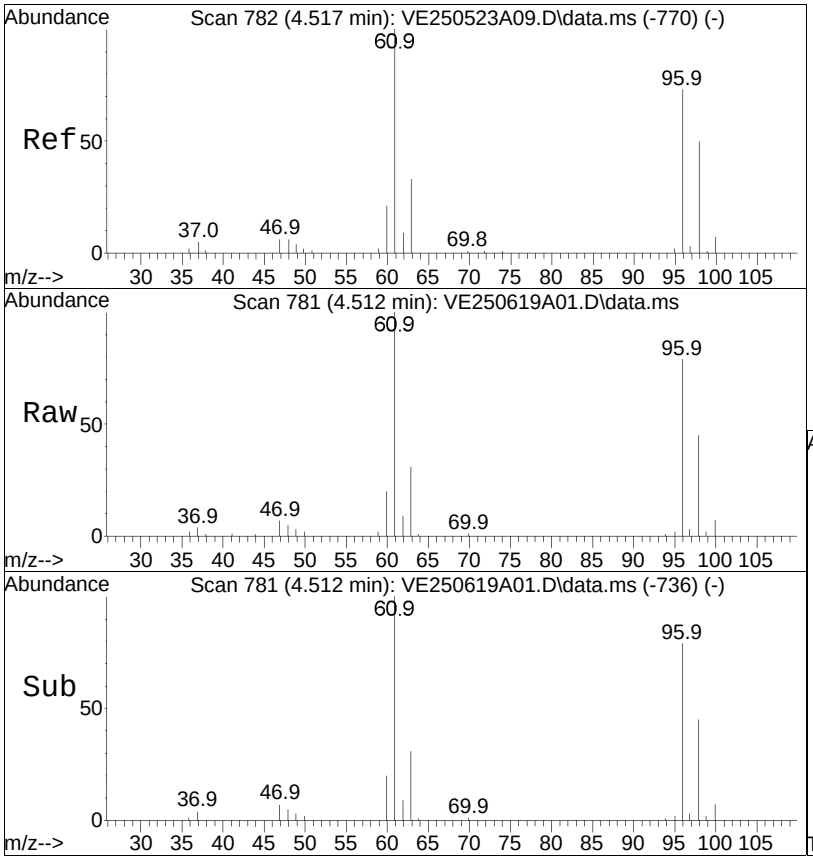


#29
Vinyl acetate
Concen: 8.21 ug/L
RT: 4.227 min Scan# 716
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 43 Resp: 95832

Ion	Ratio	Lower	Upper
43	100		
86	8.7	5.8	8.8

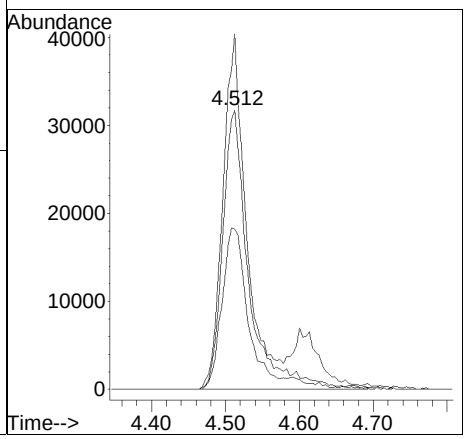


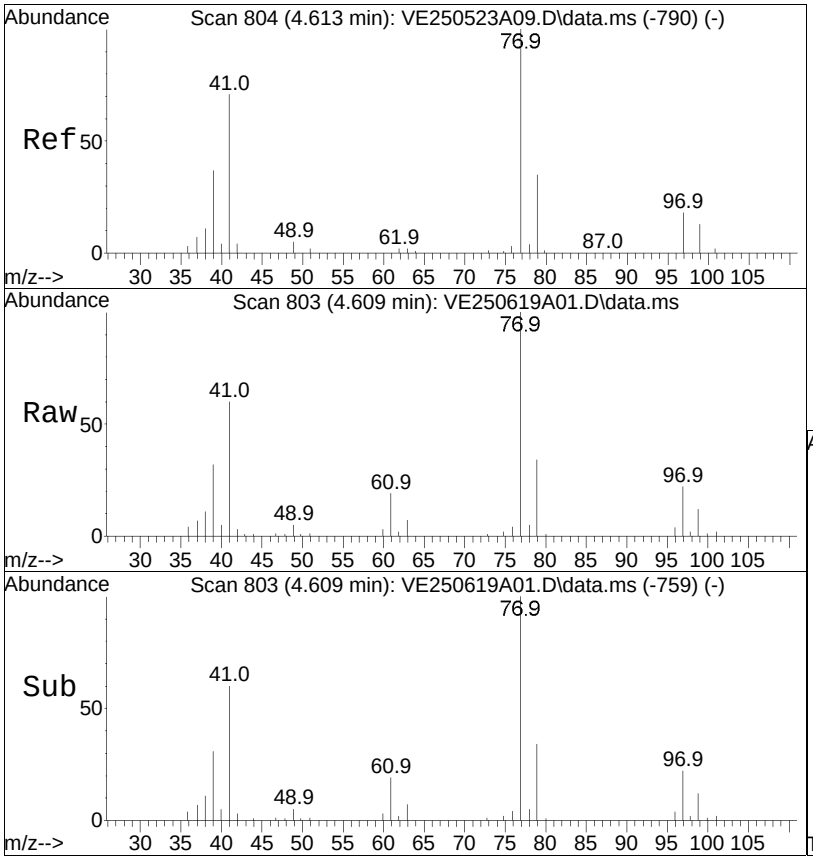


#30
cis-1,2-Dichloroethene
Concen: 10.95 ug/L
RT: 4.512 min Scan# 781
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 96 Resp: 78650

Ion	Ratio	Lower	Upper
96	100		
61	138.5	131.5	197.3
98	61.8	51.8	77.8

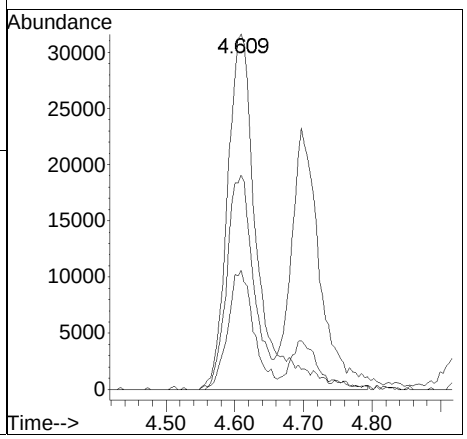


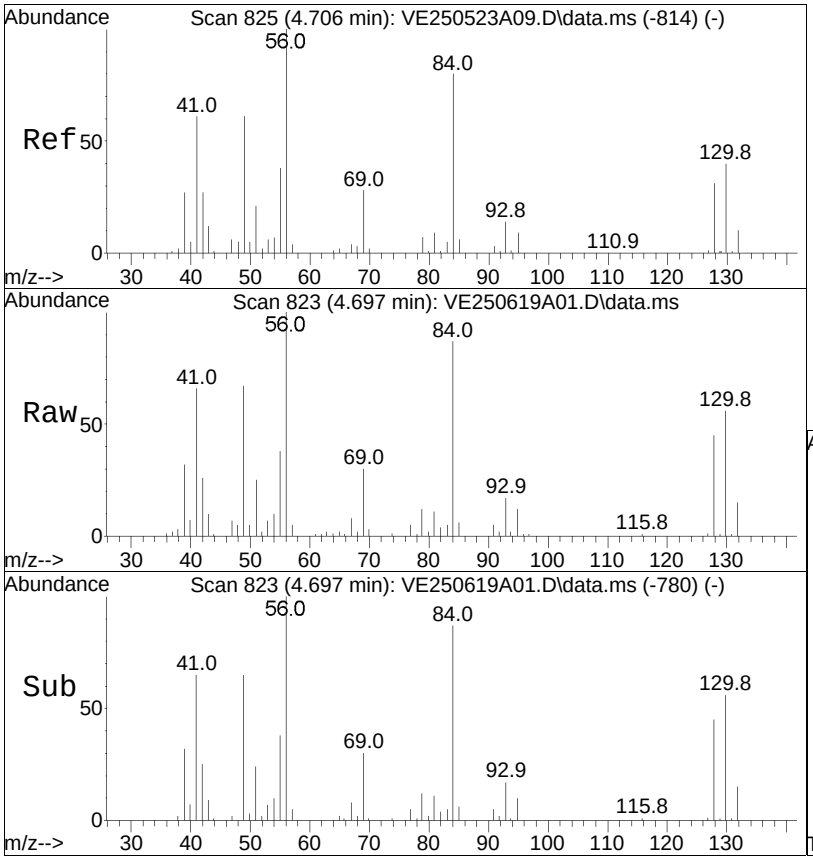


#31
2,2-Dichloropropane
Concen: 10.09 ug/L
RT: 4.609 min Scan# 803
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 77 Resp: 95868

Ion	Ratio	Lower	Upper
77	100		
41	57.8	47.5	98.7
79	30.2	20.7	43.1

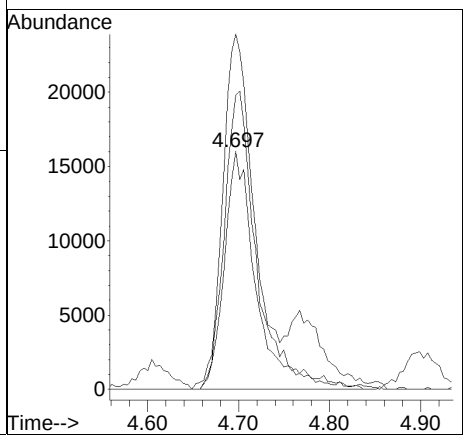


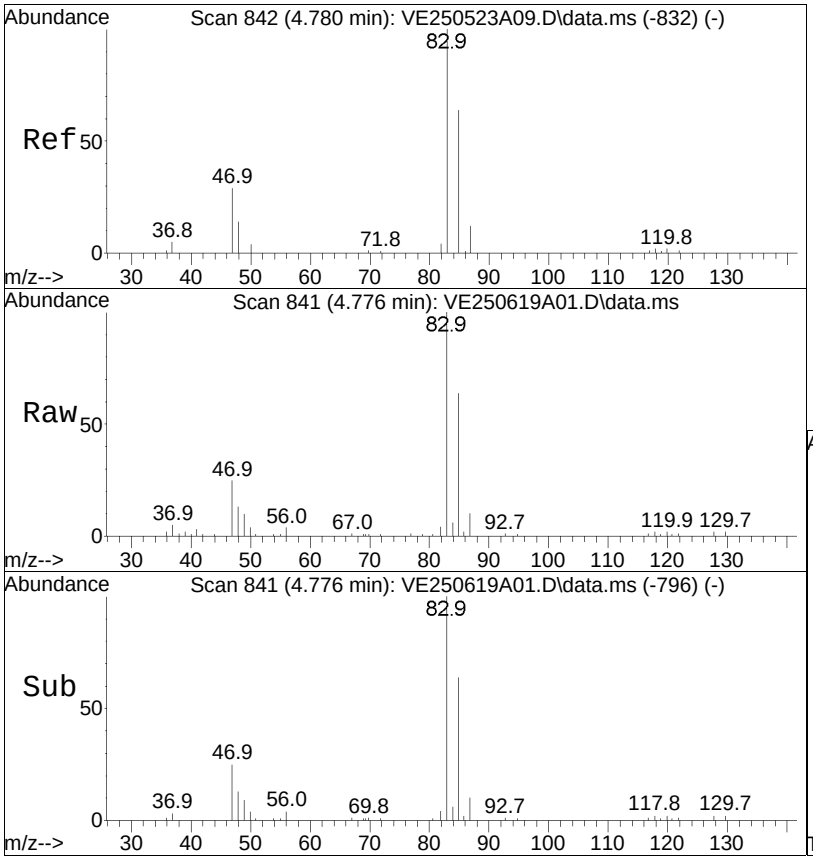


#33
Bromochloromethane
Concen: 11.49 ug/L
RT: 4.697 min Scan# 823
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:128 Resp: 39334

Ion	Ratio	Lower	Upper
128	100		
49	183.9	194.2	291.2#
130	128.2	99.7	149.5

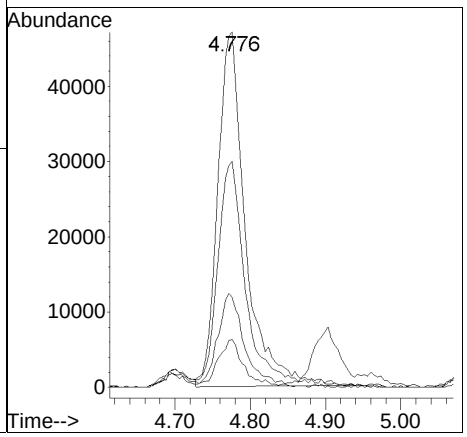


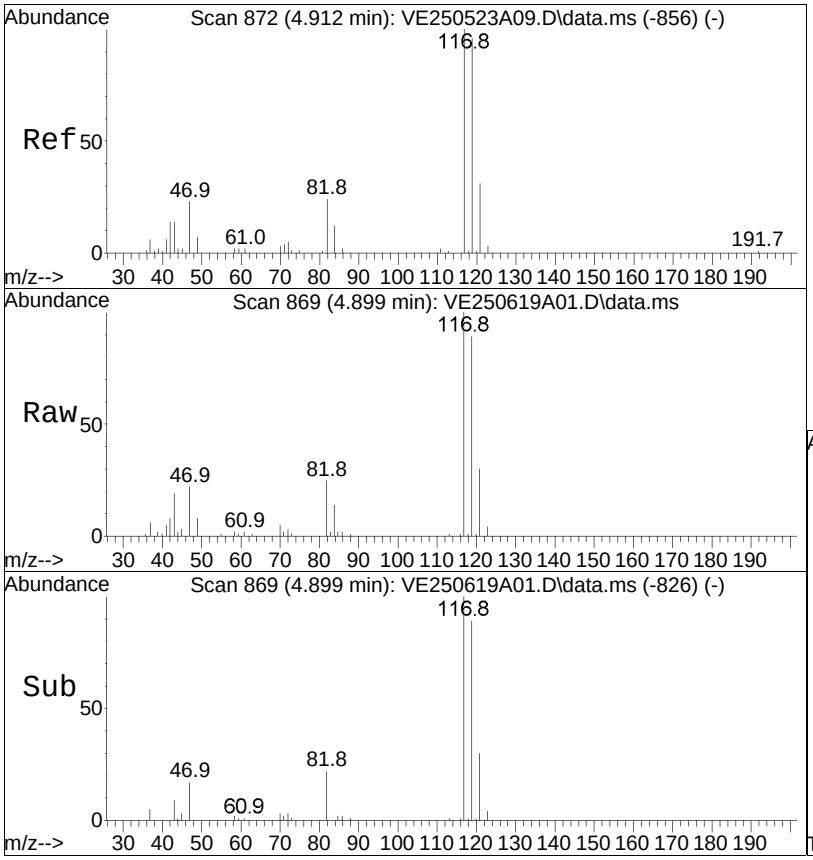


#35
Chloroform
Concen: 10.60 ug/L
RT: 4.776 min Scan# 841
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 83 Resp: 121103

Ion	Ratio	Lower	Upper
83	100		
85	64.3	41.7	86.5
47	23.4	17.4	36.2
48	12.7	9.2	19.0

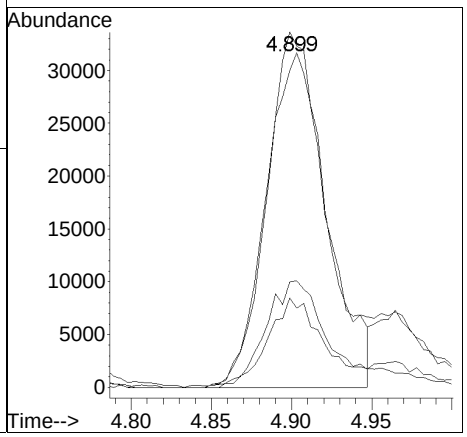


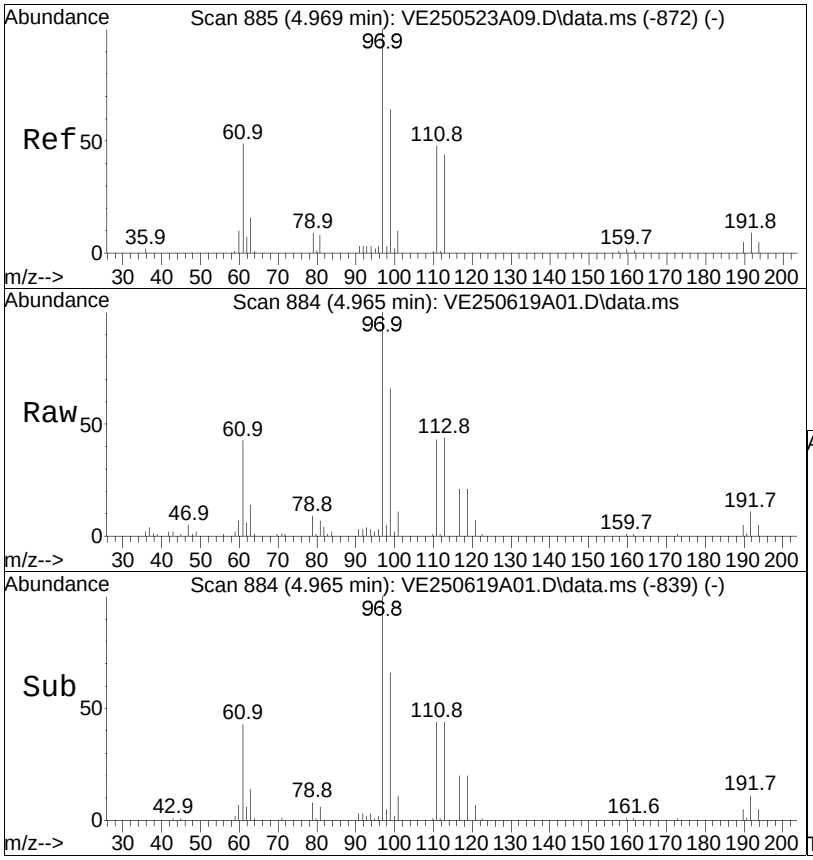


#37
Carbon tetrachloride
Concen: 10.78 ug/L M6
RT: 4.899 min Scan# 869
Delta R.T. -0.013 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:117 Resp: 86751

Ion	Ratio	Lower	Upper
117	100		
119	117.6	70.5	146.5
121	37.1	23.0	47.8
82	28.9	19.2	39.8

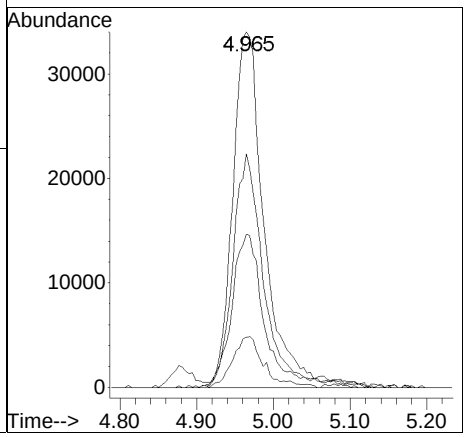


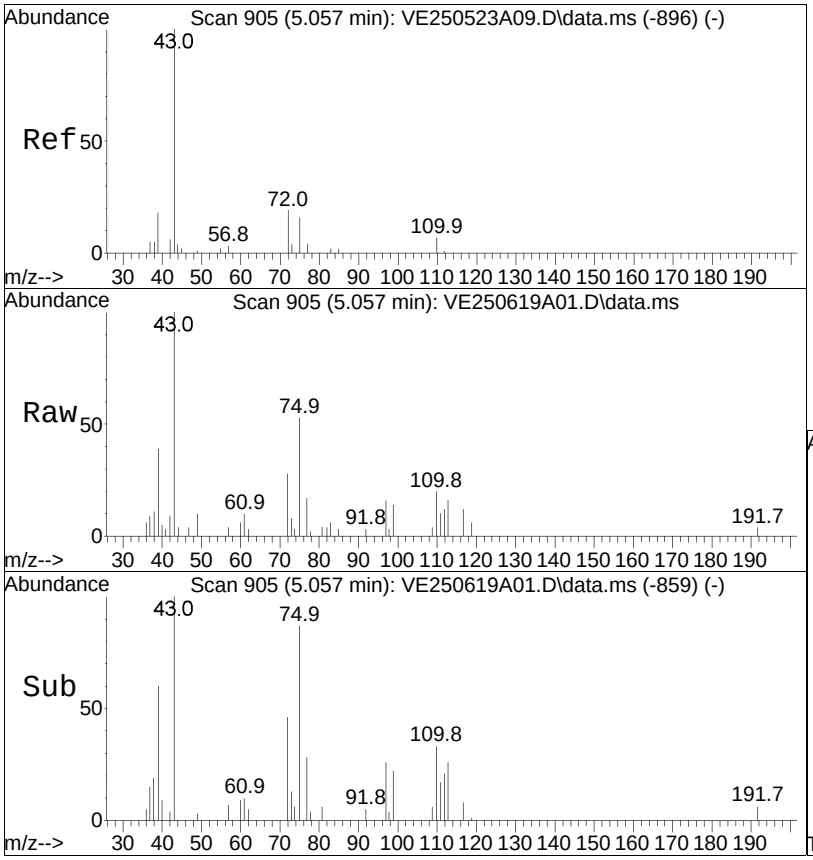


#40
1,1,1-Trichloroethane
Concen: 10.58 ug/L
RT: 4.965 min Scan# 884
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 97 Resp: 98438

Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.2	85.6
61	45.1	32.8	68.2
63	14.1	10.1	20.9

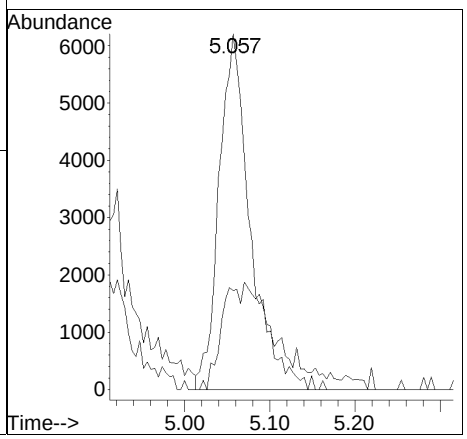


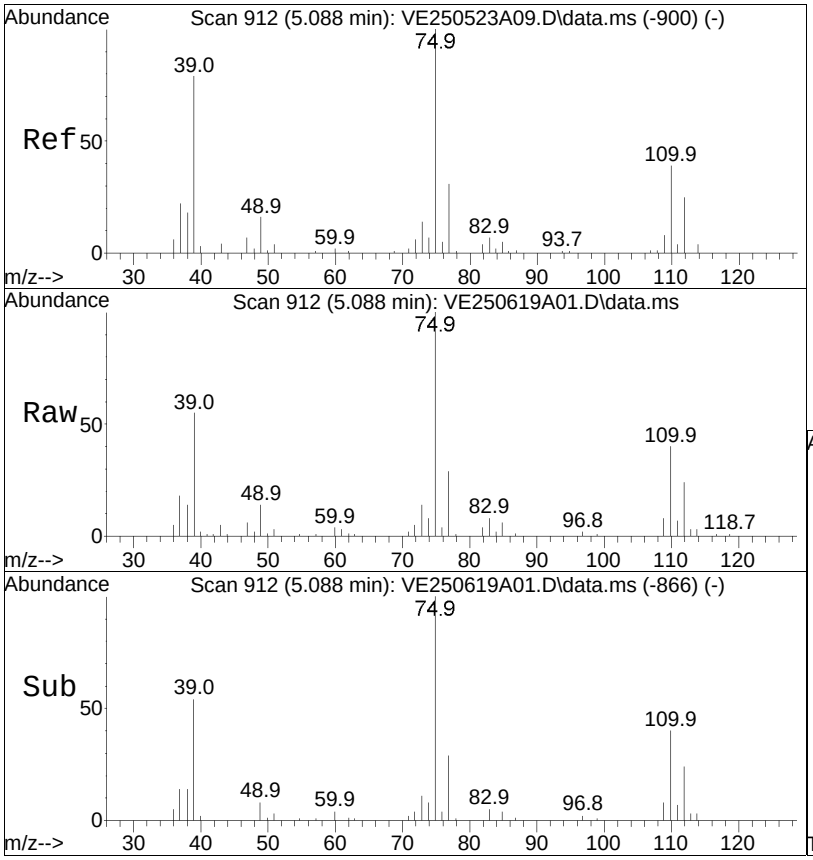


#42
2-Butanone
Concen: 8.07 ug/L
RT: 5.057 min Scan# 905
Delta R.T. -0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 43 Resp: 17305

Ion	Ratio	Lower	Upper
43	100		
72	41.0	30.2	45.4

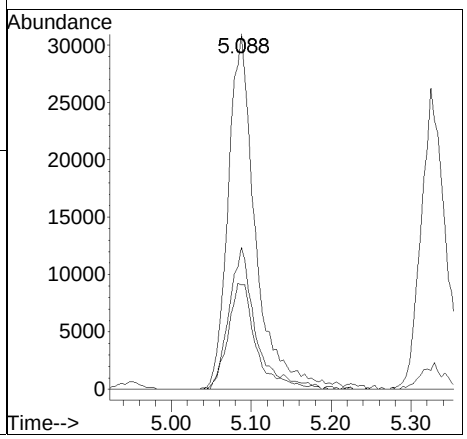


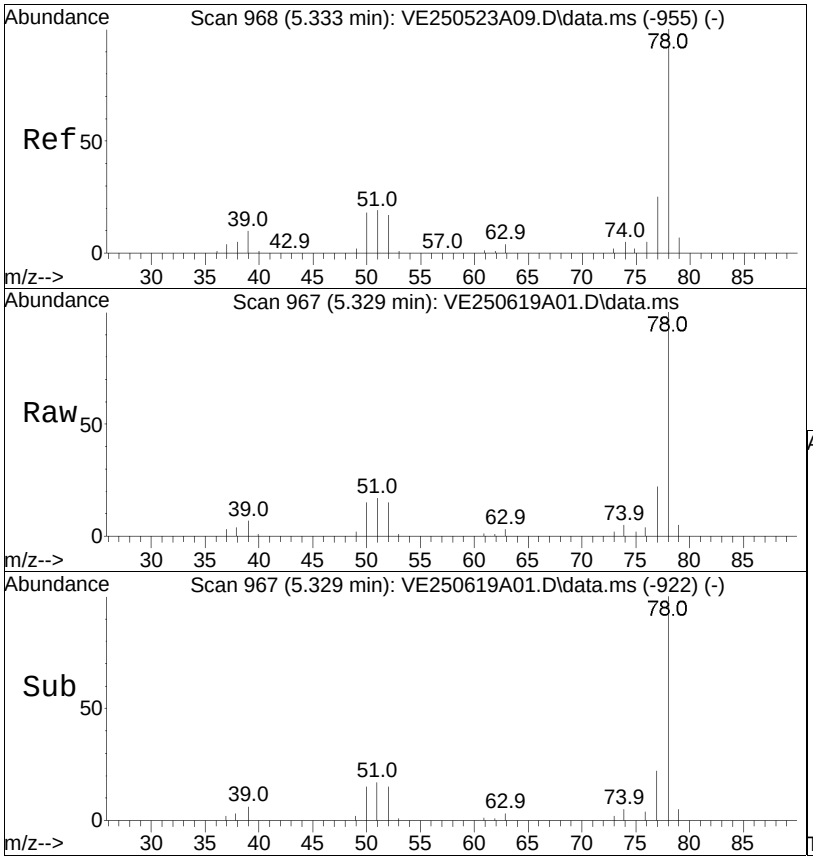


#43
1,1-Dichloropropene
Concen: 10.51 ug/L
RT: 5.088 min Scan# 912
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 75 Resp: 74707

Ion	Ratio	Lower	Upper
75	100		
110	38.6	22.7	47.3
77	30.3	20.1	41.7

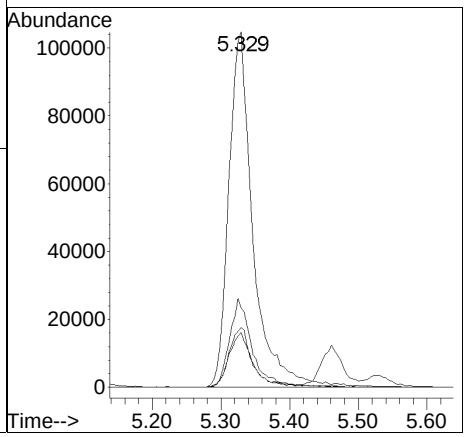


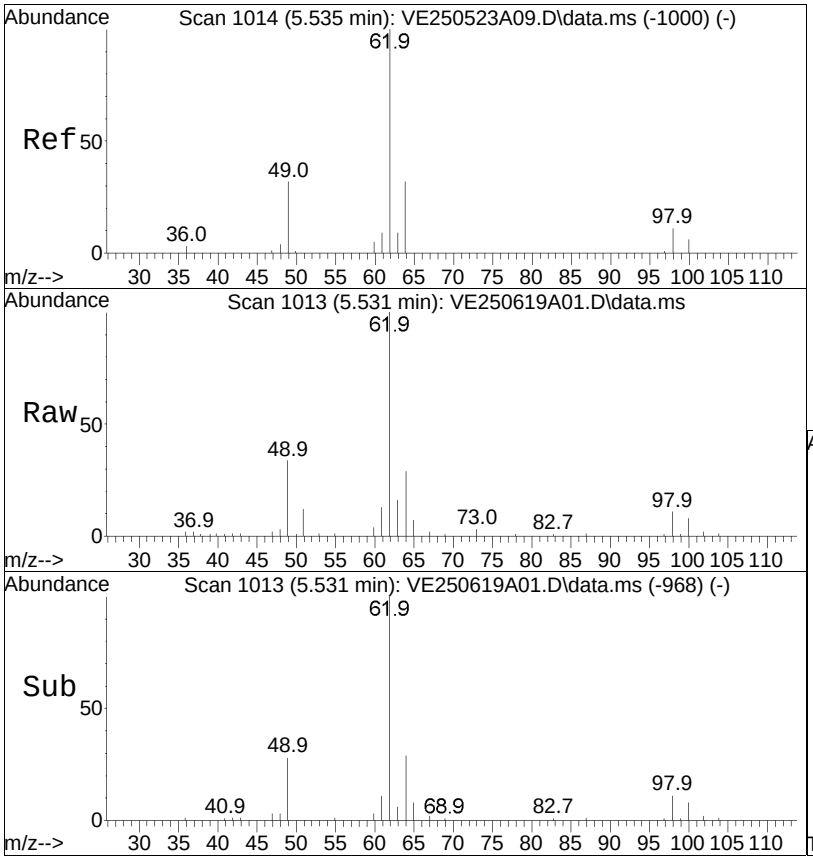


#45
Benzene
Concen: 10.58 ug/L
RT: 5.329 min Scan# 967
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 78 Resp: 258268

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.1	31.3
51	16.8	12.7	26.5
52	15.9	12.2	25.4

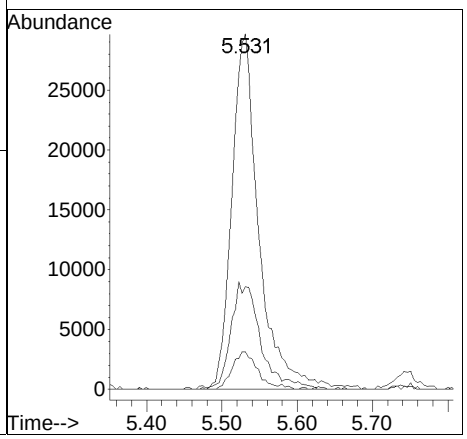


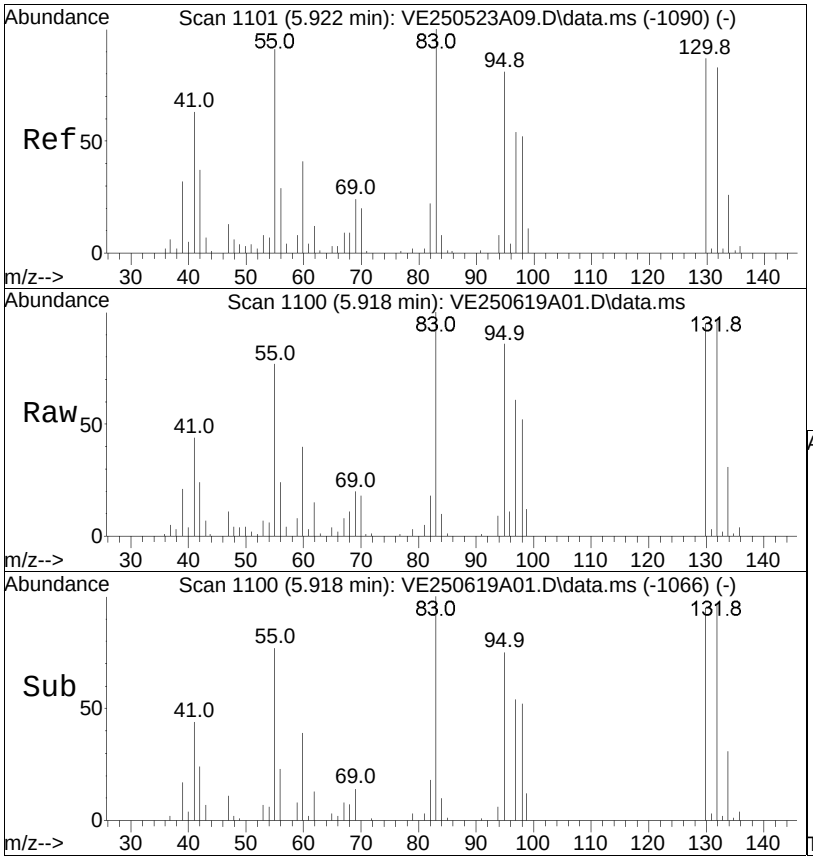


#48
1,2-Dichloroethane
Concen: 10.24 ug/L
RT: 5.531 min Scan# 1013
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 62 Resp: 74692

Ion	Ratio	Lower	Upper
62	100		
64	32.8	12.6	52.6
98	10.1	0.0	28.3

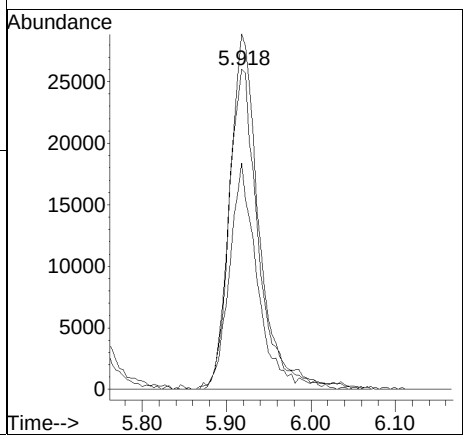


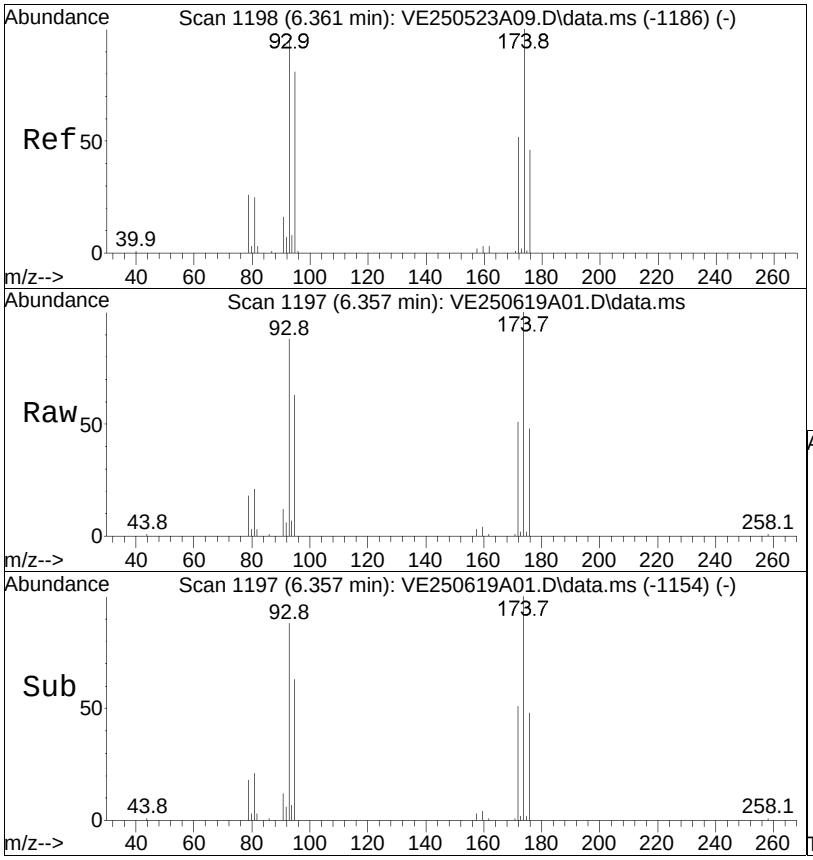


#52
Trichloroethene
Concen: 10.65 ug/L
RT: 5.918 min Scan# 1100
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 95 Resp: 63598

Ion	Ratio	Lower	Upper
95	100		
97	67.4	54.6	81.8
130	110.1	79.5	119.3

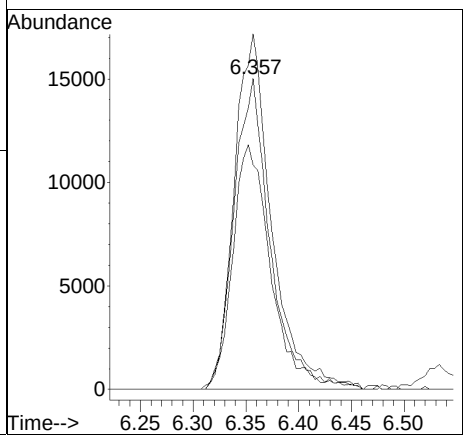


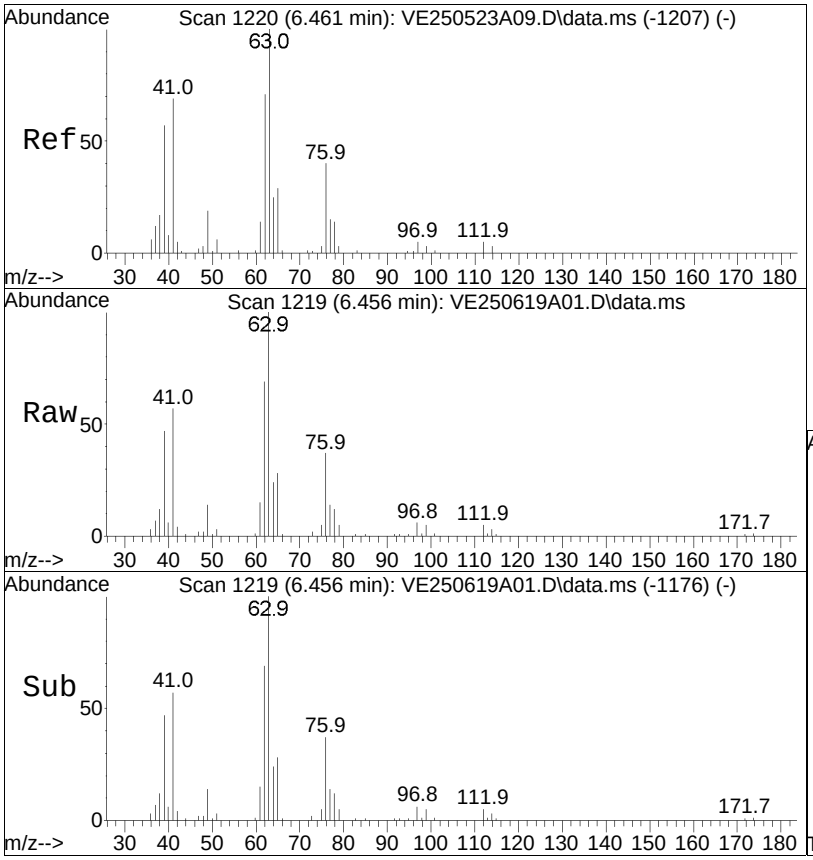


#54
Dibromomethane
Concen: 10.36 ug/L
RT: 6.357 min Scan# 1197
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 93 Resp: 36046

Ion	Ratio	Lower	Upper
93	100		
95	83.2	65.3	97.9
174	118.3	82.6	123.8

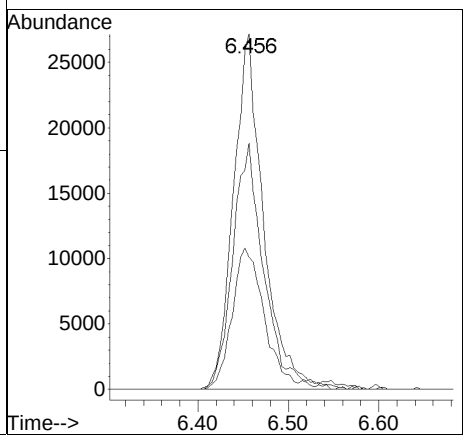


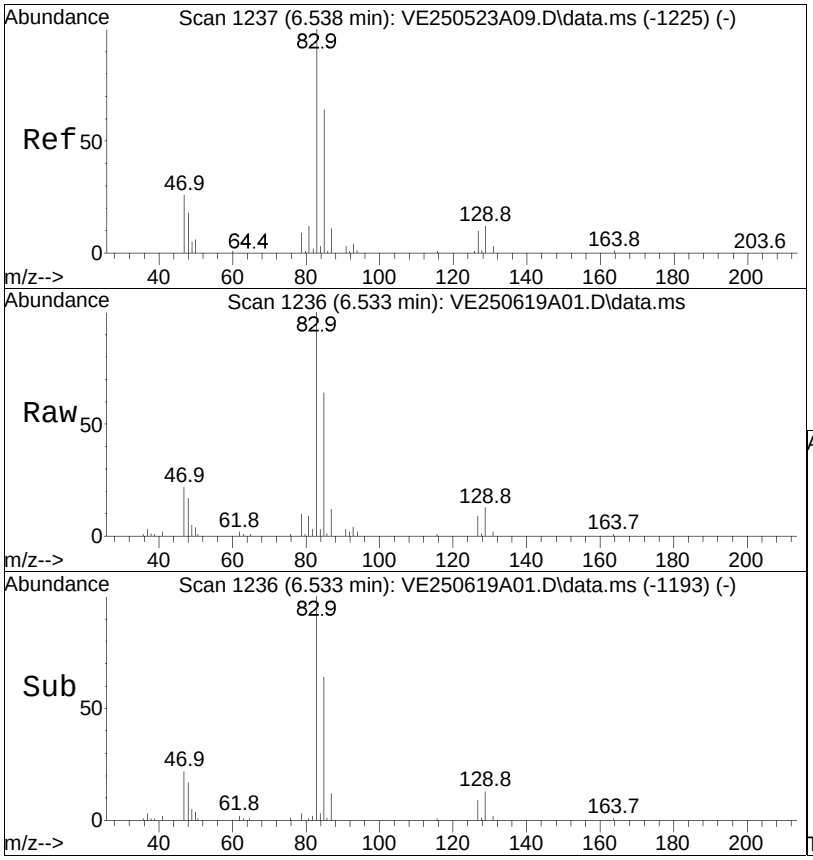


#55
1,2-Dichloropropane
Concen: 9.97 ug/L
RT: 6.456 min Scan# 1219
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 63 Resp: 63454

Ion	Ratio	Lower	Upper
63	100		
62	71.4	57.3	85.9
76	43.3	33.4	50.2

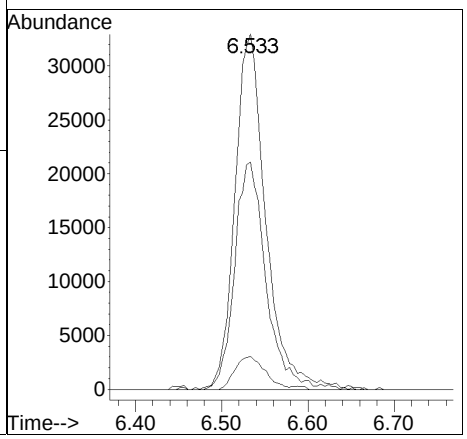


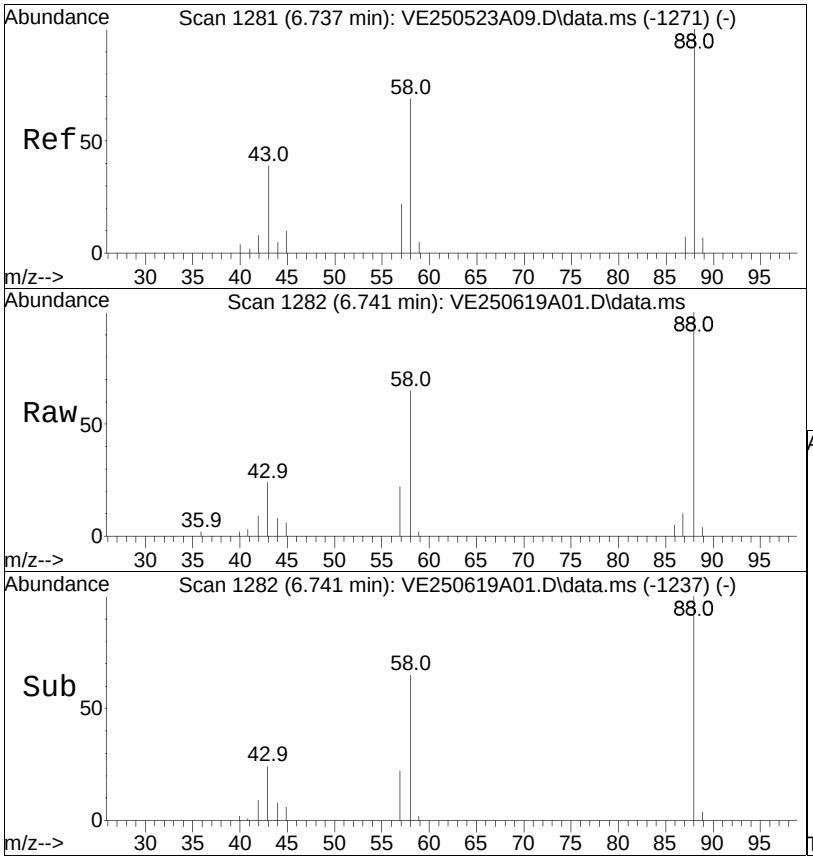


#58
Bromodichloromethane
Concen: 9.99 ug/L
RT: 6.533 min Scan# 1236
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 83 Resp: 82288

Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9
127	9.3	7.3	10.9

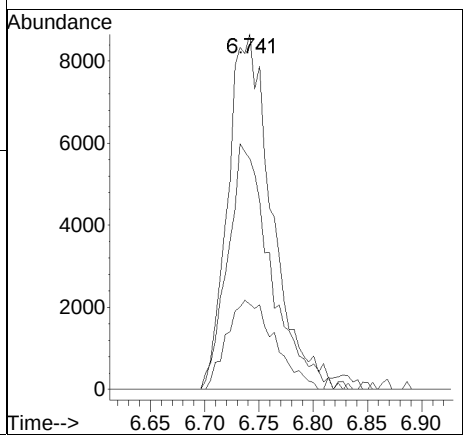


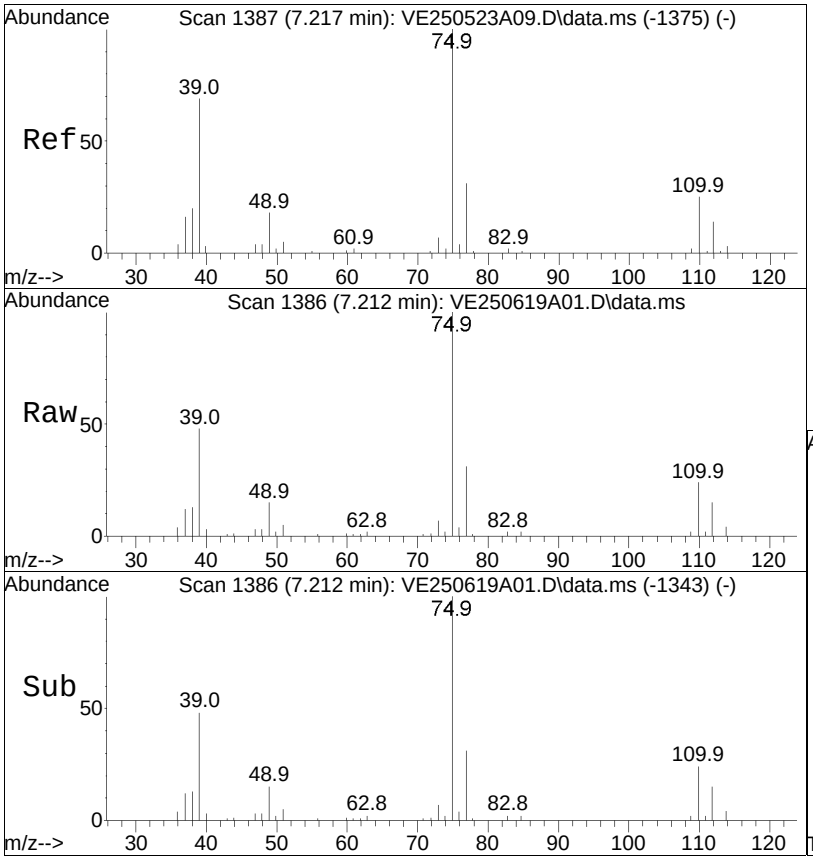


#61
1,4-Dioxane
Concen: 820.97 ug/L
RT: 6.741 min Scan# 1282
Delta R.T. 0.005 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 88 Resp: 24898

Ion	Ratio	Lower	Upper
88	100		
58	66.6	63.4	95.0
43	26.9	29.4	44.2#

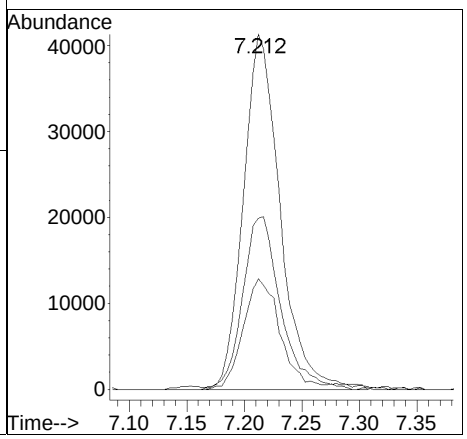


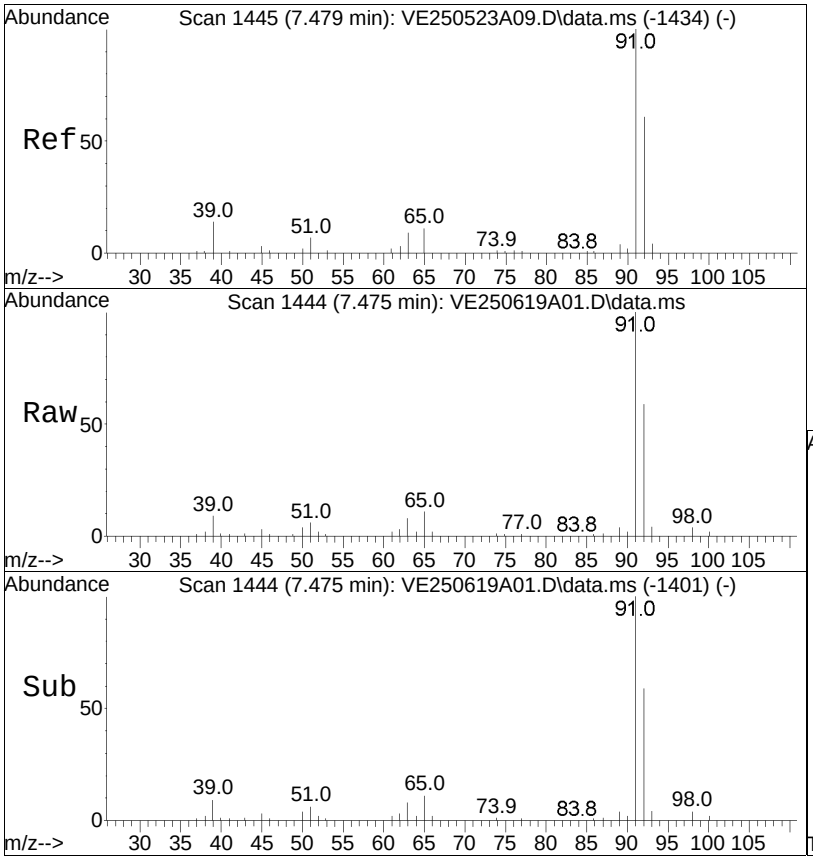


#62
cis-1,3-Dichloropropene
Concen: 10.02 ug/L
RT: 7.212 min Scan# 1386
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 75 Resp: 91929

Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	50.9	47.5	71.3

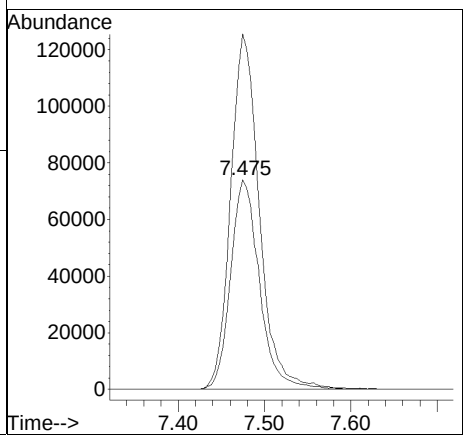


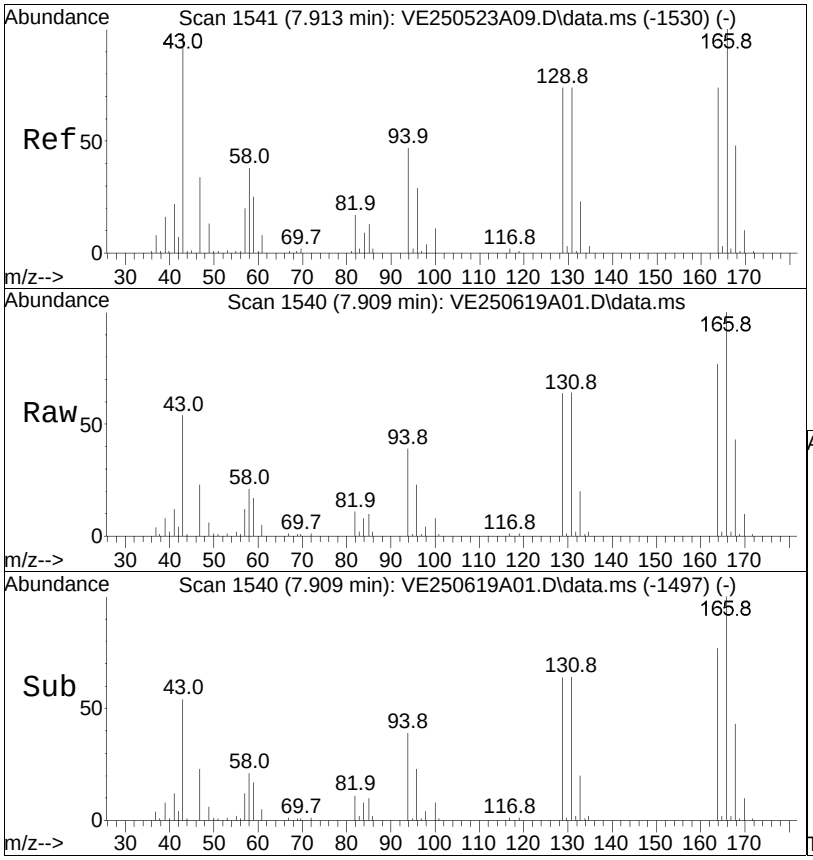


#65
Toluene
Concen: 10.88 ug/L
RT: 7.475 min Scan# 1444
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 92 Resp: 172808

Ion	Ratio	Lower	Upper
92	100		
91	168.4	134.2	201.2

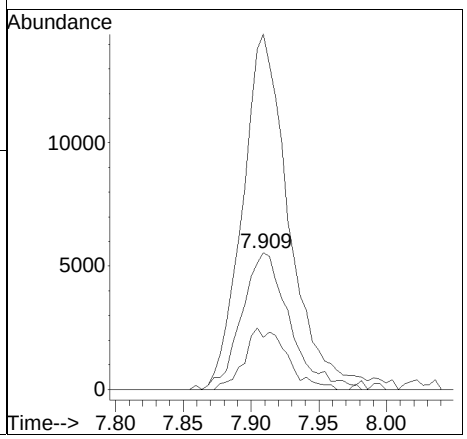


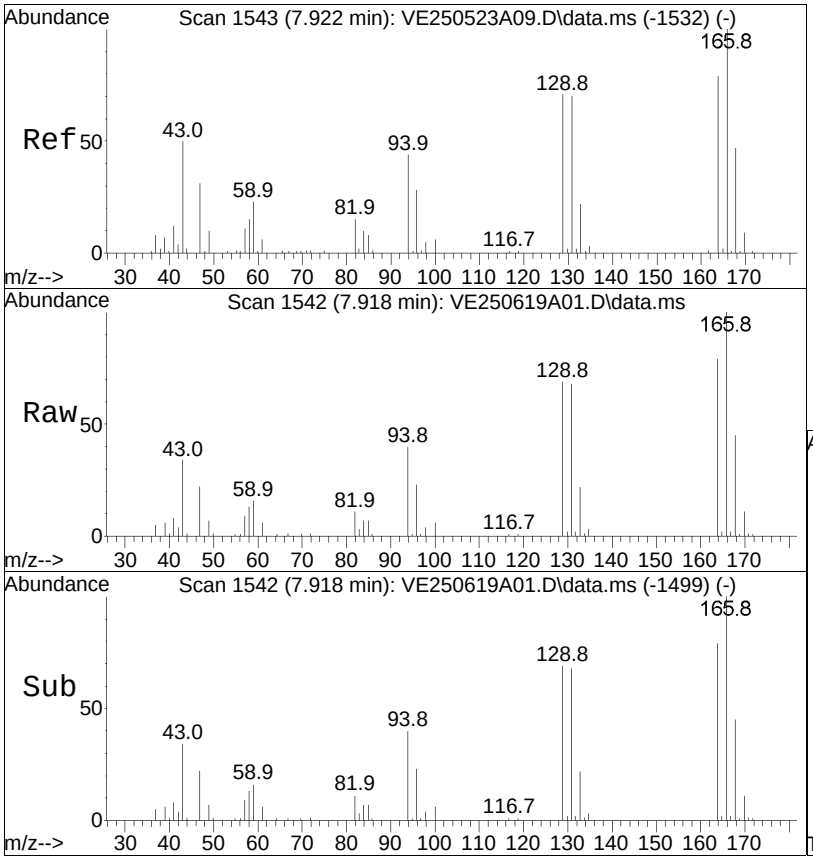


#66
4-Methyl-2-pentanone
Concen: 8.67 ug/L
RT: 7.909 min Scan# 1540
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 58 Resp: 13673

Ion	Ratio	Lower	Upper
58	100		
100	39.6	29.9	44.9
43	254.5	230.2	345.4

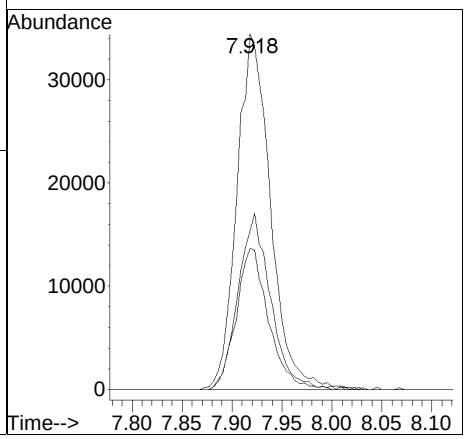


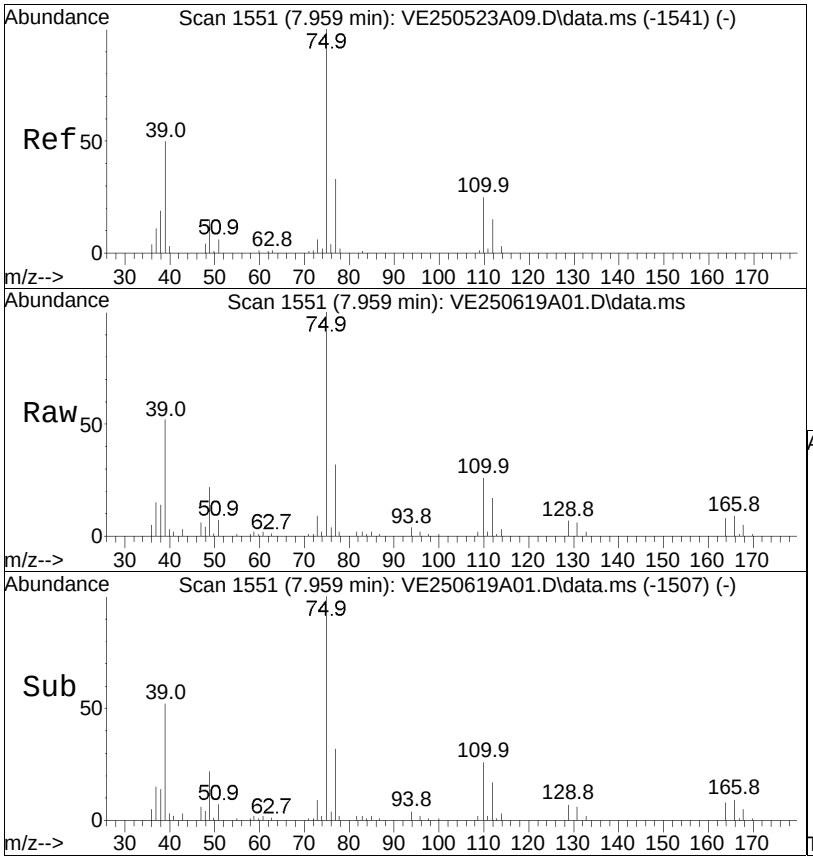


#67
Tetrachloroethene
Concen: 12.14 ug/L
RT: 7.918 min Scan# 1542
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:166 Resp: 80523

Ion	Ratio	Lower	Upper
166	100		
168	47.8	28.0	68.0
94	38.3	22.9	62.9

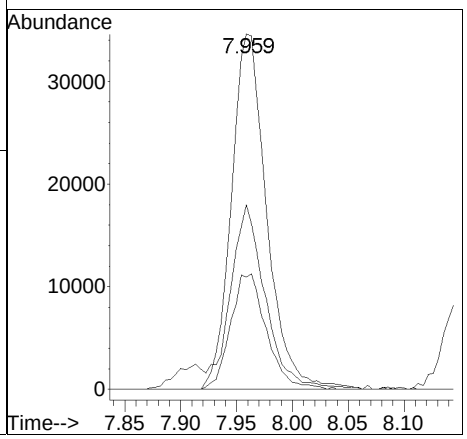


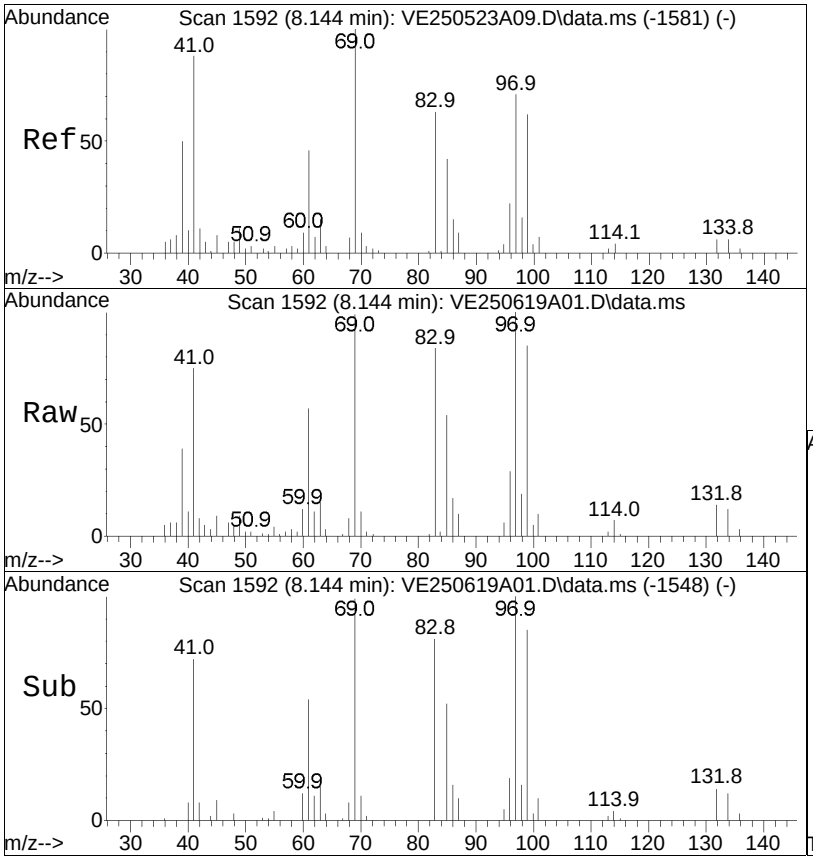


#69
trans-1,3-Dichloropropene
Concen: 9.92 ug/L
RT: 7.959 min Scan# 1551
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 75 Resp: 76425

Ion	Ratio	Lower	Upper
75	100		
77	33.1	11.2	51.2
39	49.3	36.8	76.8

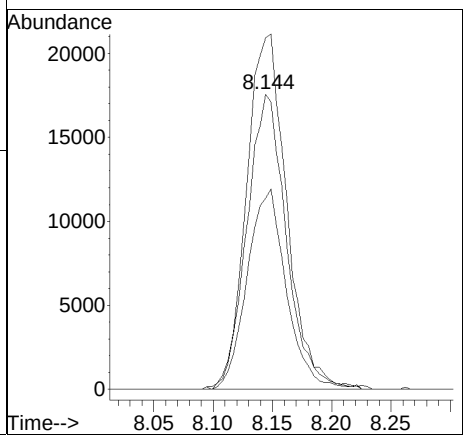


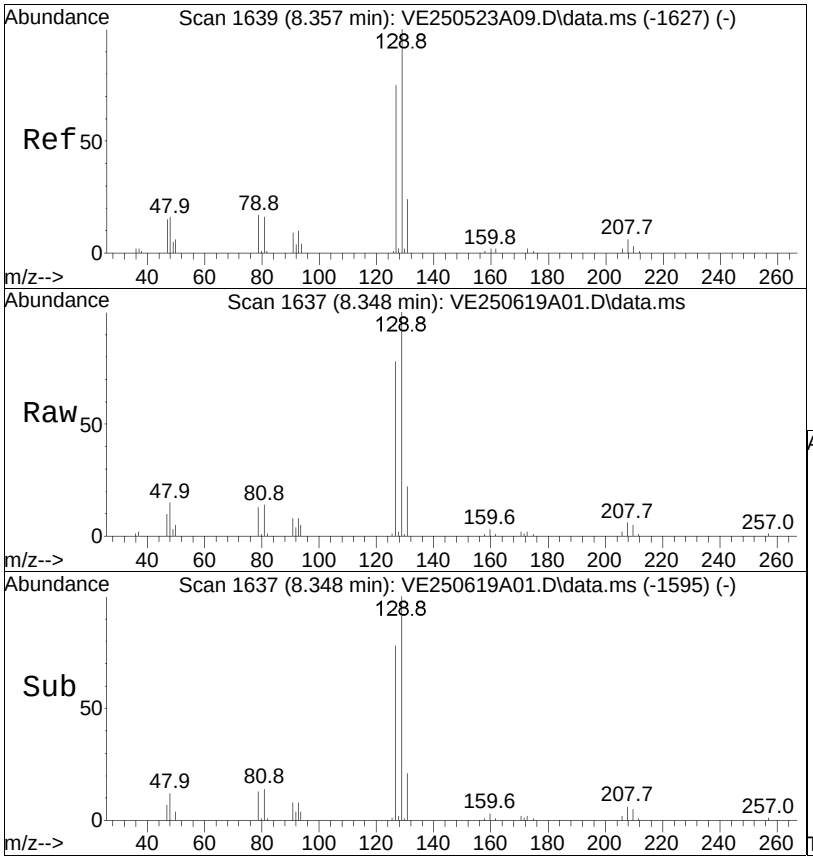


#72
1,1,2-Trichloroethane
Concen: 10.62 ug/L
RT: 8.144 min Scan# 1592
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 83 Resp: 40632

Ion	Ratio	Lower	Upper
83	100		
97	123.1	93.6	133.6
85	67.5	44.0	84.0

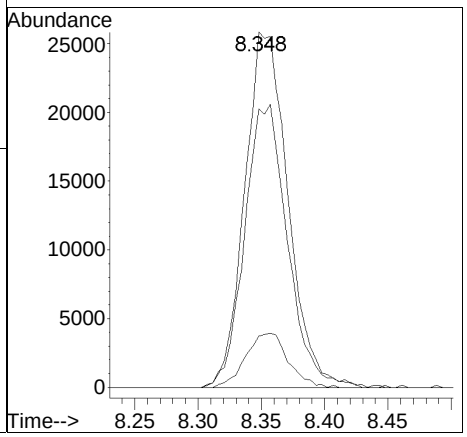


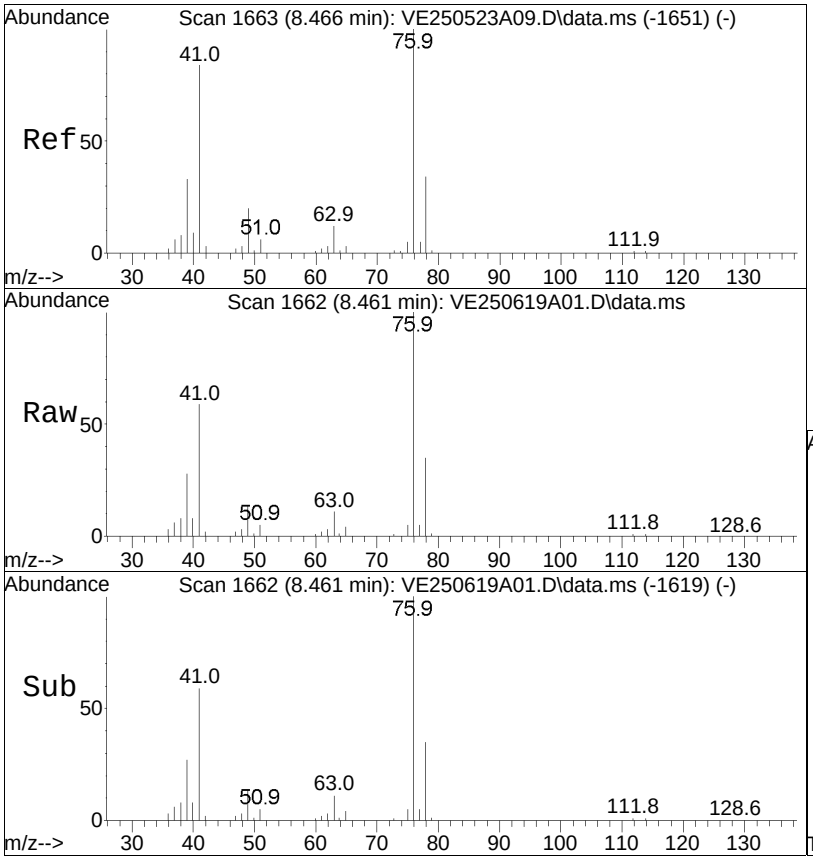


#73
Chlorodibromomethane
Concen: 10.29 ug/L
RT: 8.348 min Scan# 1637
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:129 Resp: 61410

Ion	Ratio	Lower	Upper
129	100		
81	14.9	0.0	36.6
127	78.9	57.7	97.7

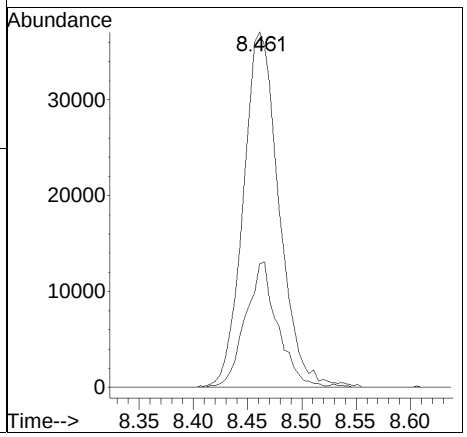


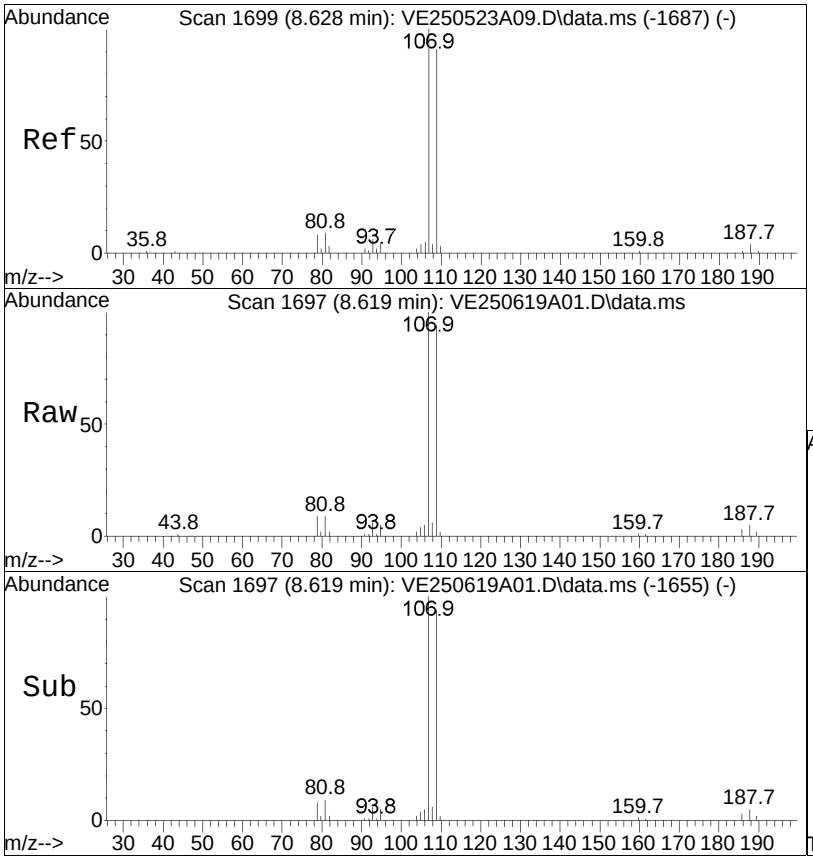


#74
1,3-Dichloropropane
Concen: 10.57 ug/L
RT: 8.461 min Scan# 1662
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 76 Resp: 85275

Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.0	37.6

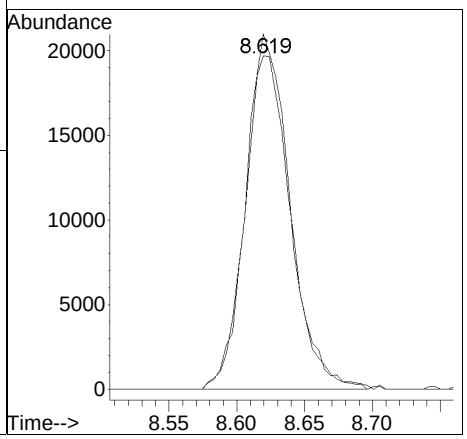


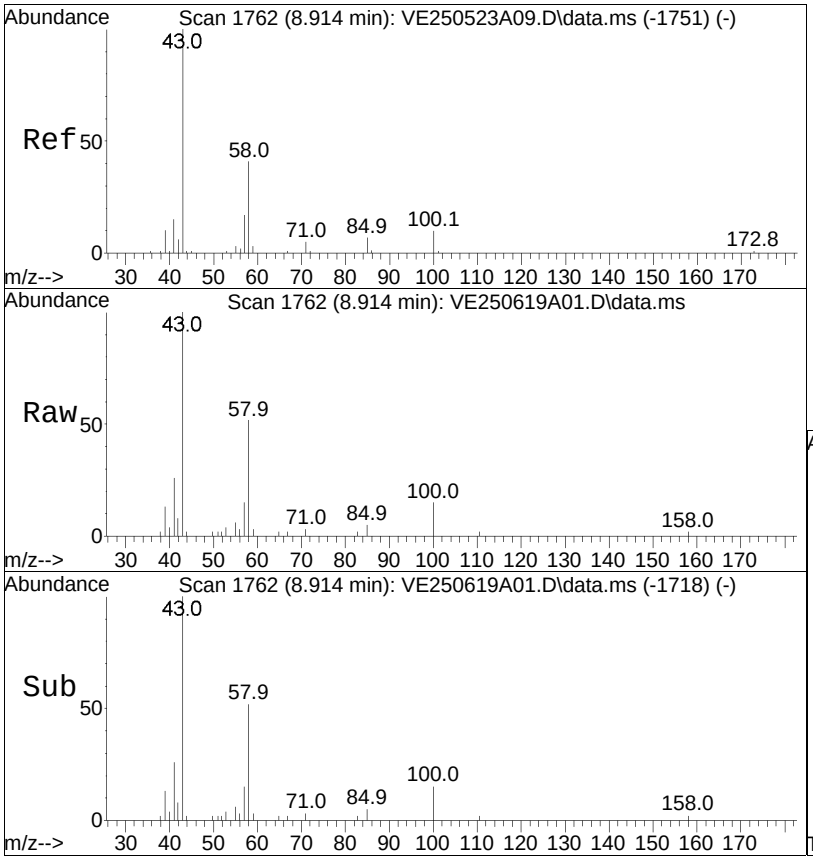


#75
1,2-Dibromoethane
Concen: 10.41 ug/L
RT: 8.619 min Scan# 1697
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:107 Resp: 47822

Ion	Ratio	Lower	Upper
107	100		
109	96.5	75.0	112.6

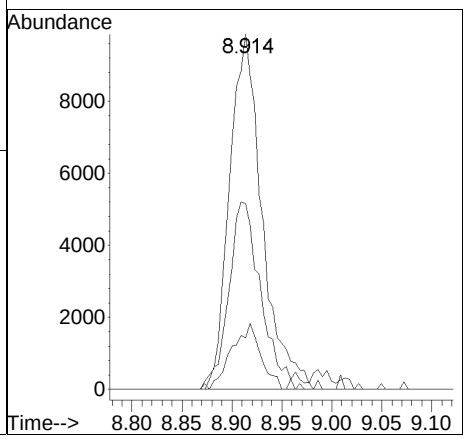


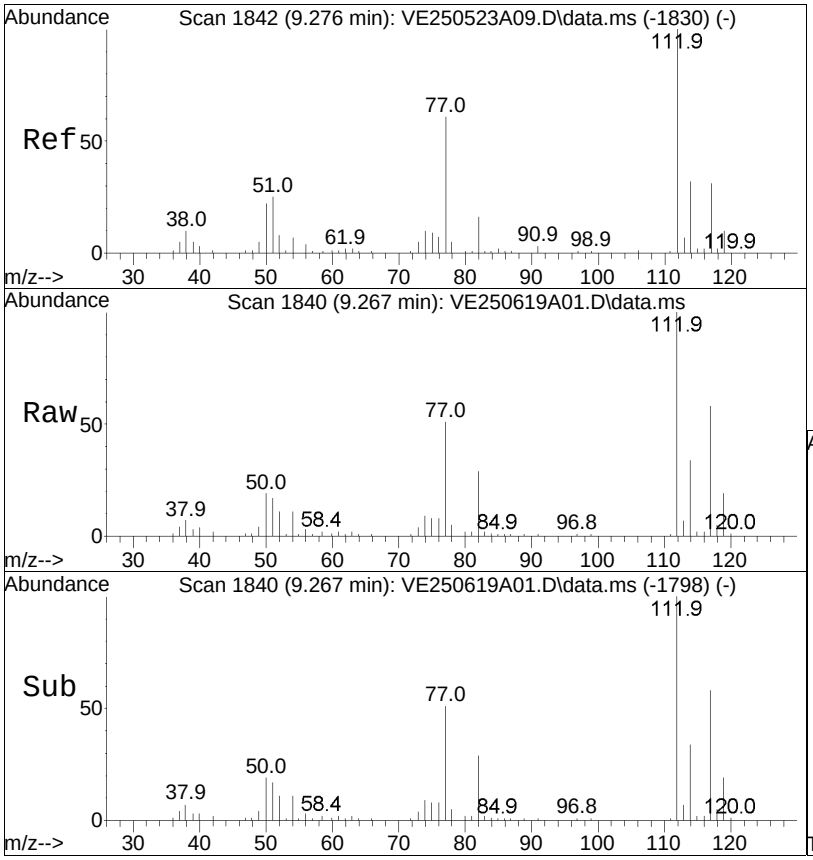


#77
2-Hexanone
Concen: 6.53 ug/L
RT: 8.914 min Scan# 1762
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 43 Resp: 23333

Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.6	58.0
57	16.1	14.5	21.7

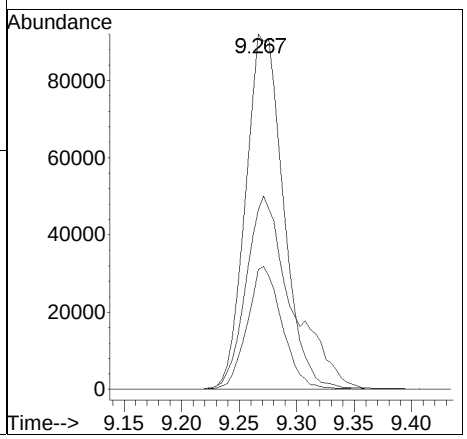


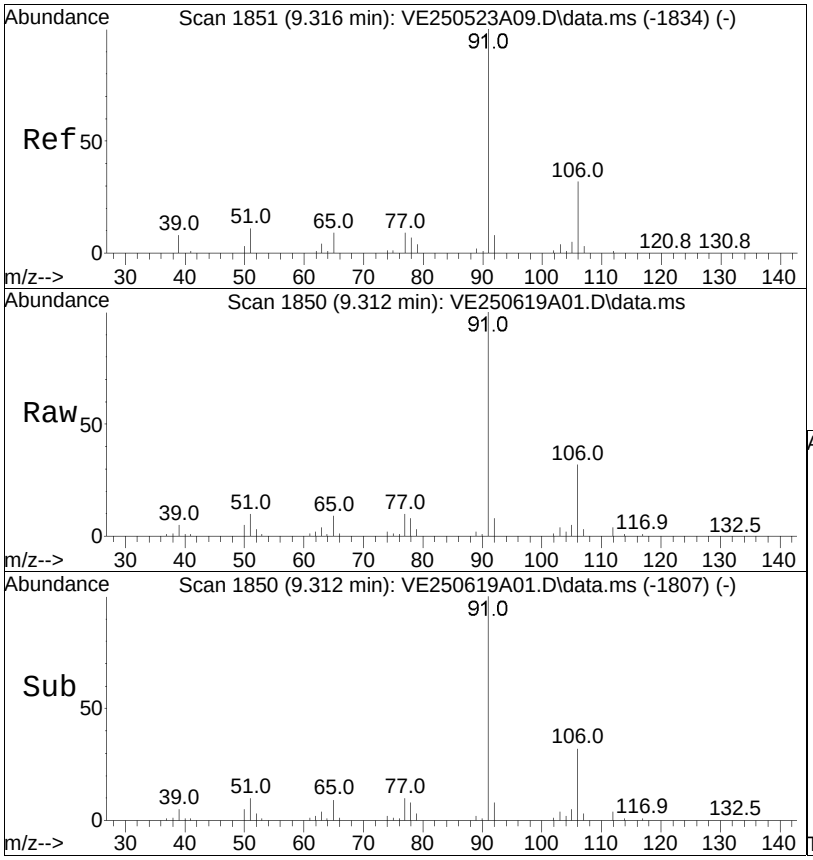


#78
Chlorobenzene
Concen: 11.30 ug/L
RT: 9.267 min Scan# 1840
Delta R.T. -0.009 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:112 Resp: 209823

Ion	Ratio	Lower	Upper
112	100		
77	66.8	61.7	92.5
114	32.2	25.5	38.3

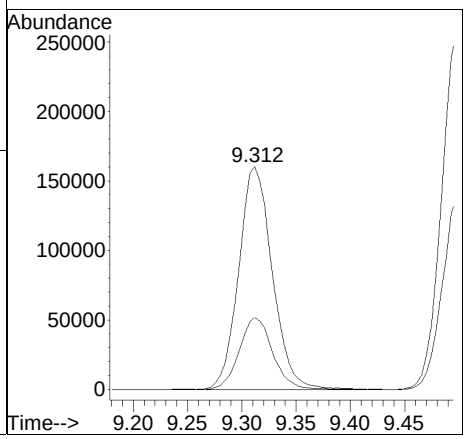


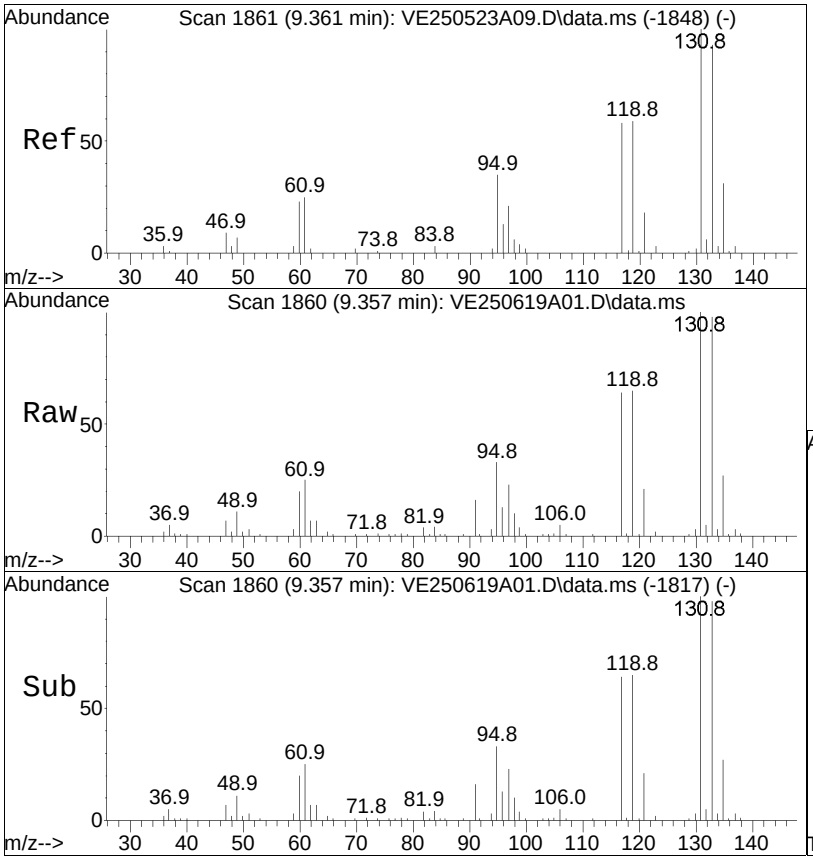


#79
Ethylbenzene
Concen: 10.63 ug/L
RT: 9.312 min Scan# 1850
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 91 Resp: 345319

Ion	Ratio	Lower	Upper
91	100		
106	31.9	24.7	37.1

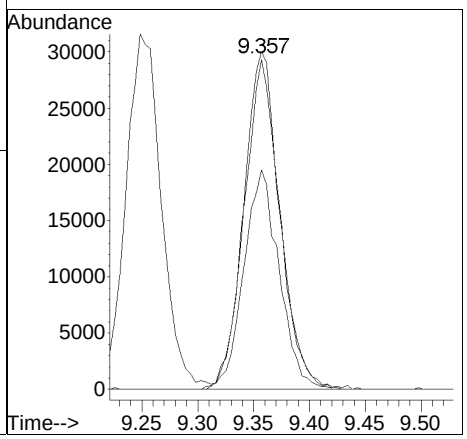


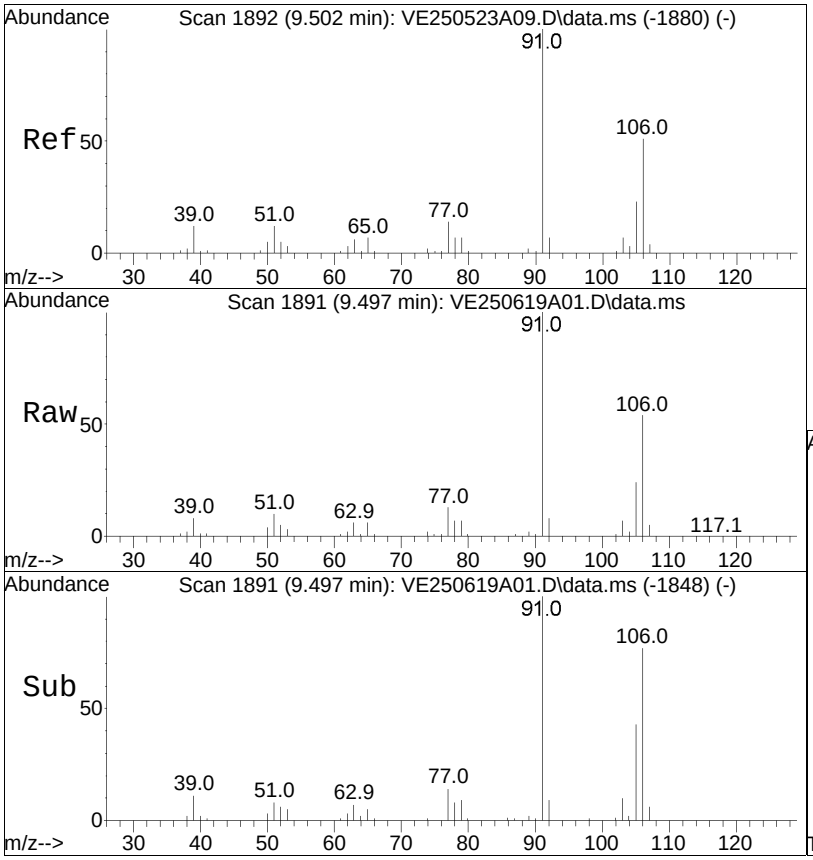


#80
1,1,1,2-Tetrachloroethane
Concen: 11.09 ug/L
RT: 9.357 min Scan# 1860
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:131 Resp: 67838

Ion	Ratio	Lower	Upper
131	100		
133	96.2	77.8	117.8
119	63.3	41.2	81.2

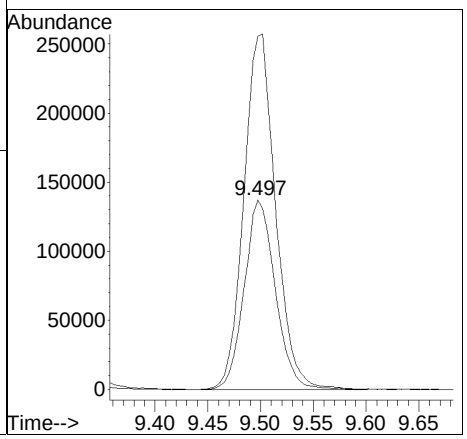


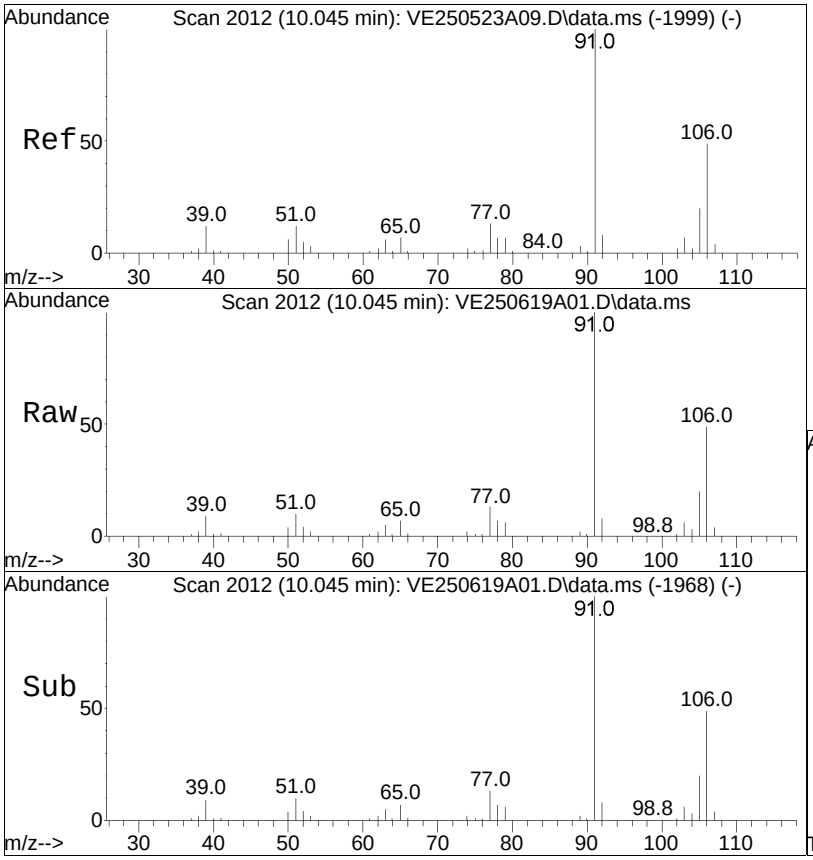


#81
p/m Xylene
Concen: 20.69 ug/L
RT: 9.497 min Scan# 1891
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:106 Resp: 281020

Ion	Ratio	Lower	Upper
106	100		
91	191.1	163.2	244.8

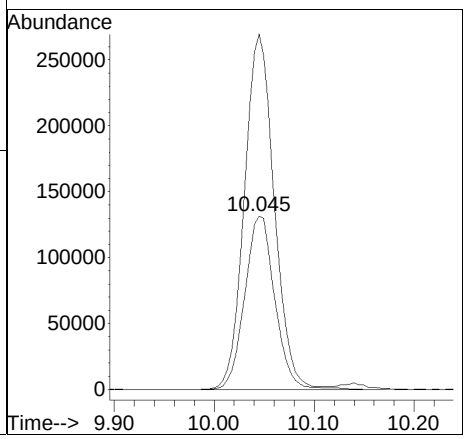


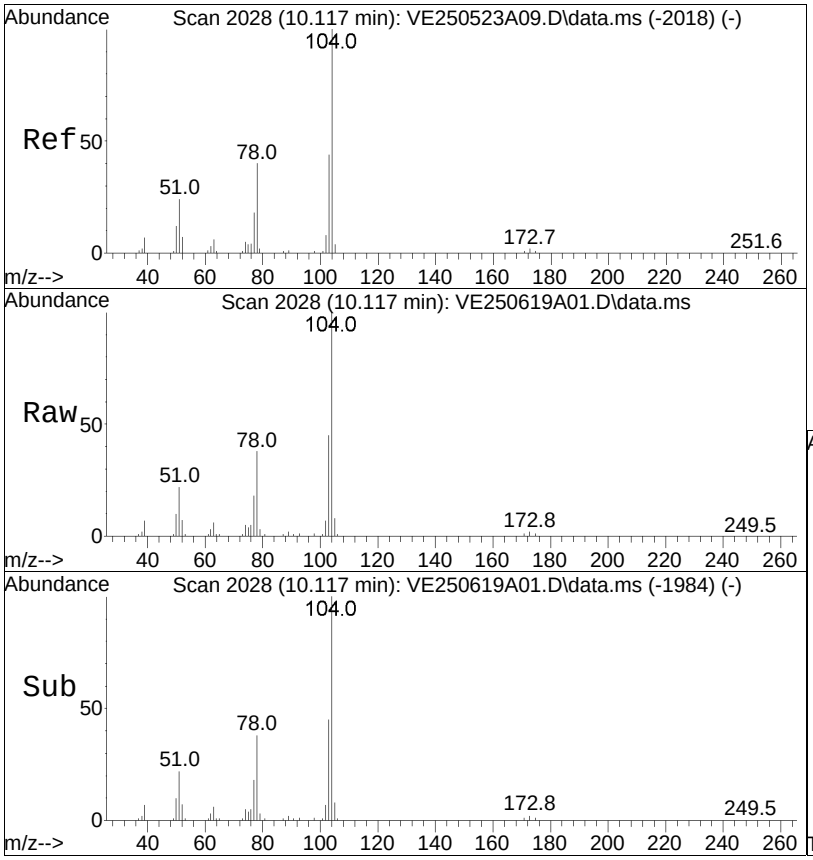


#82
o Xylene
Concen: 20.44 ug/L
RT: 10.045 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:106 Resp: 274725

Ion	Ratio	Lower	Upper
106	100		
91	206.7	177.0	265.6

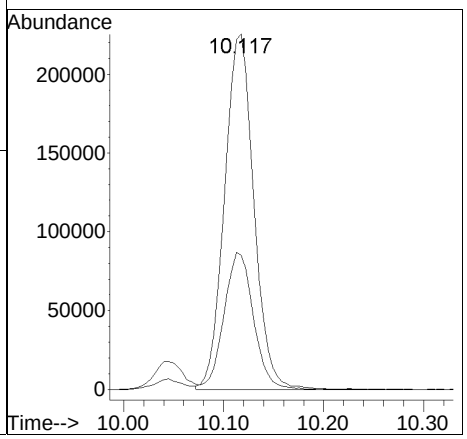


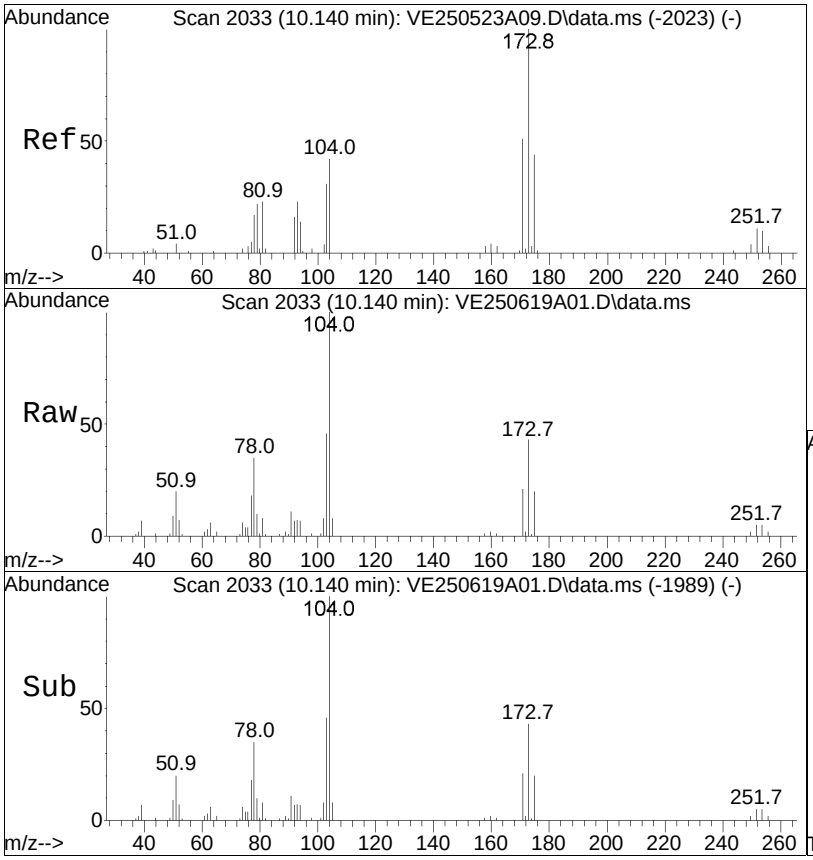


#83
Styrene
Concen: 20.36 ug/L
RT: 10.117 min Scan# 2028
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:104 Resp: 460308

Ion	Ratio	Lower	Upper
104	100		
78	38.6	34.1	51.1

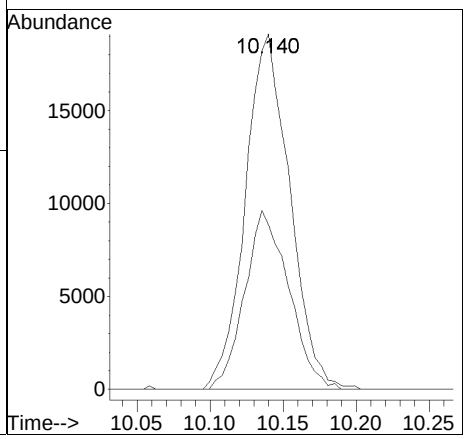


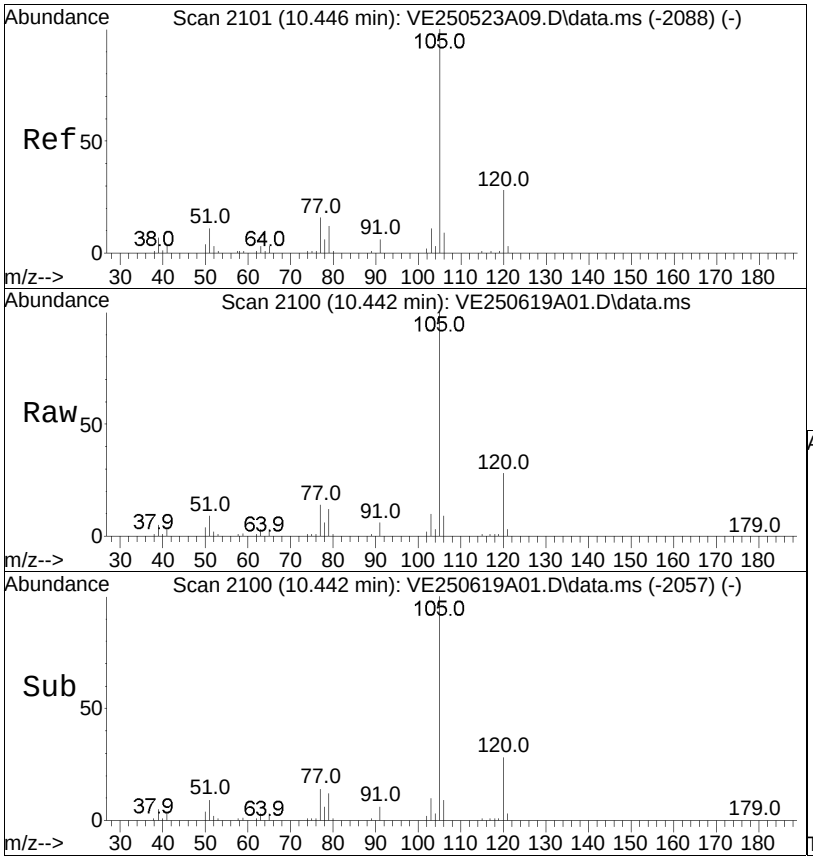


#85
Bromoform
Concen: 10.36 ug/L
RT: 10.140 min Scan# 2033
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:173 Resp: 40563

Ion	Ratio	Lower	Upper
173	100		
175	49.8	25.9	65.9

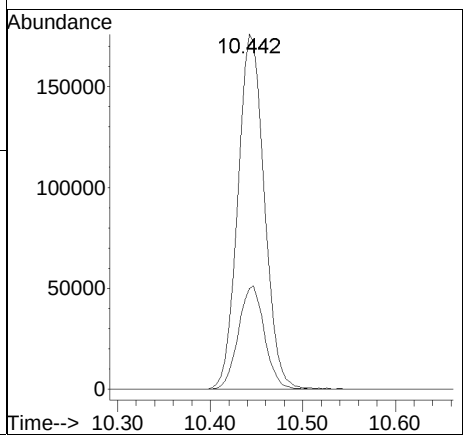


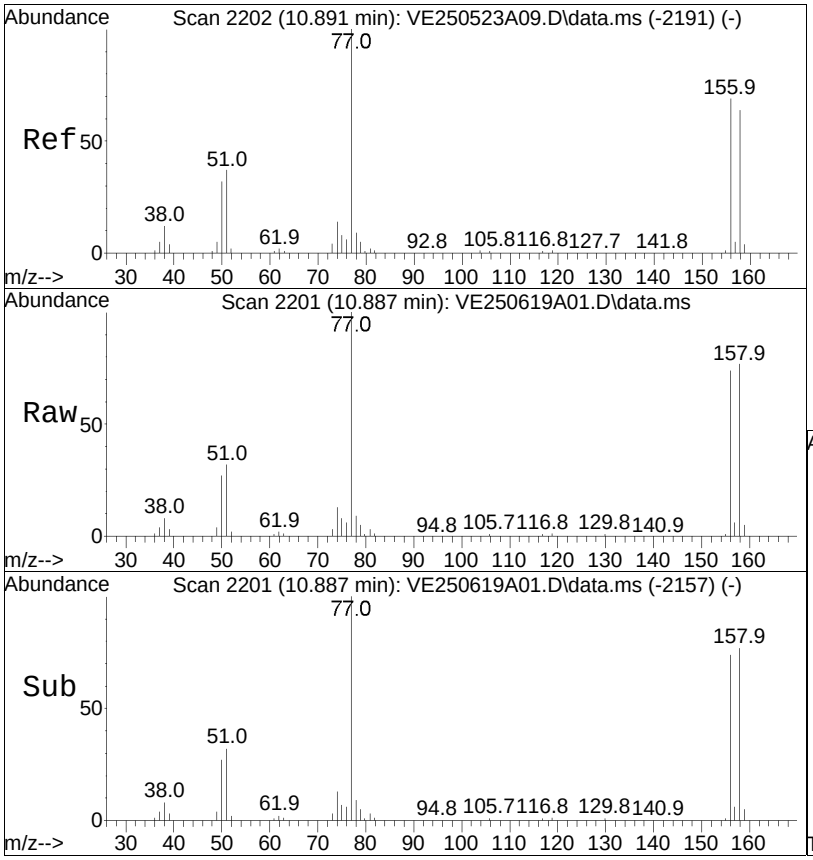


#87
Isopropylbenzene
Concen: 9.67 ug/L
RT: 10.442 min Scan# 2100
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:105 Resp: 351516

Ion	Ratio	Lower	Upper
105	100		
120	28.7	6.4	46.4

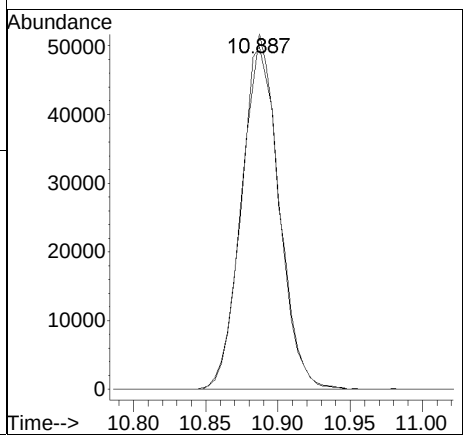


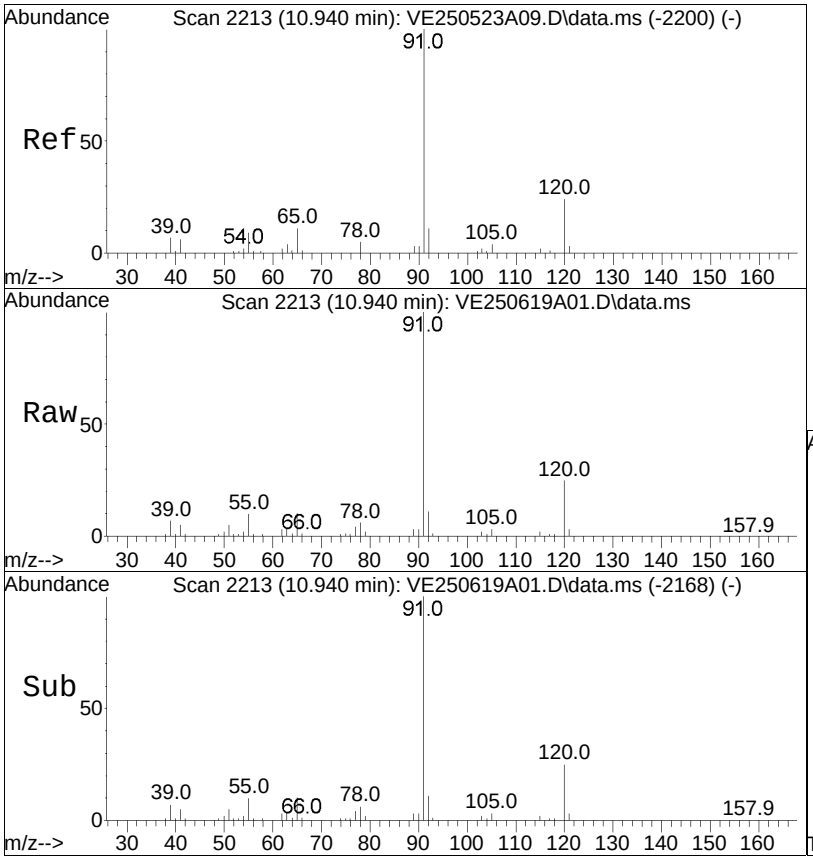


#89
Bromobenzene
Concen: 11.05 ug/L
RT: 10.887 min Scan# 2201
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:156 Resp: 91757

Ion	Ratio	Lower	Upper
156	100		
158	100.3	78.0	117.0

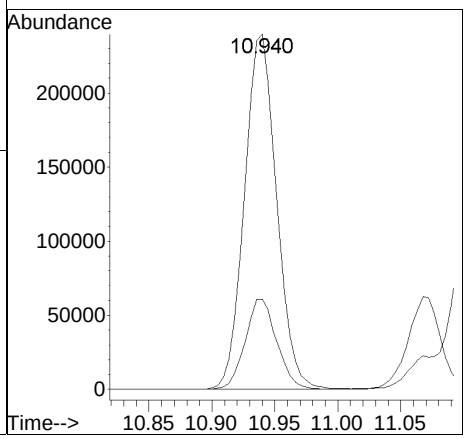


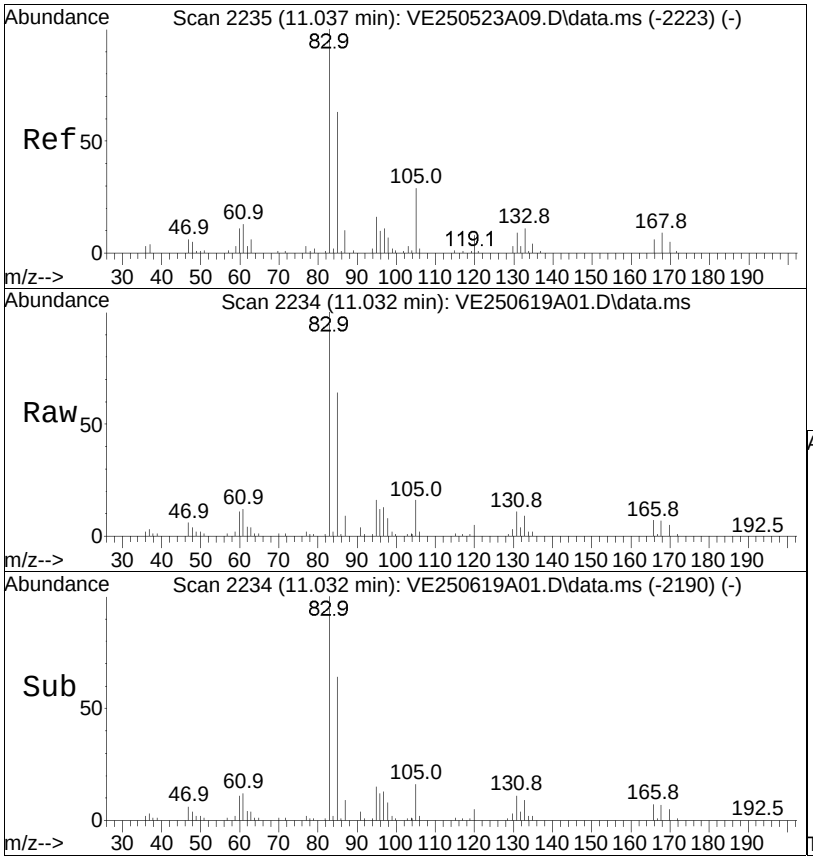


#90
n-Propylbenzene
Concen: 9.96 ug/L
RT: 10.940 min Scan# 2213
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 91 Resp: 426308

Ion	Ratio	Lower	Upper
91	100		
120	25.0	18.5	27.7

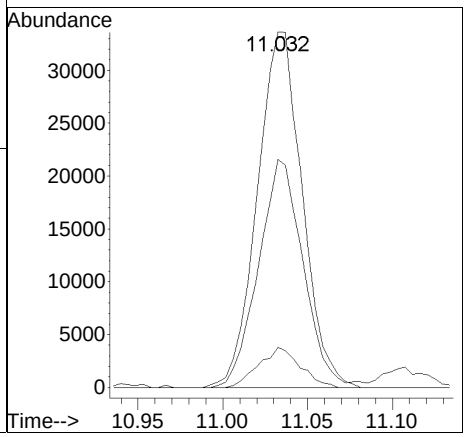


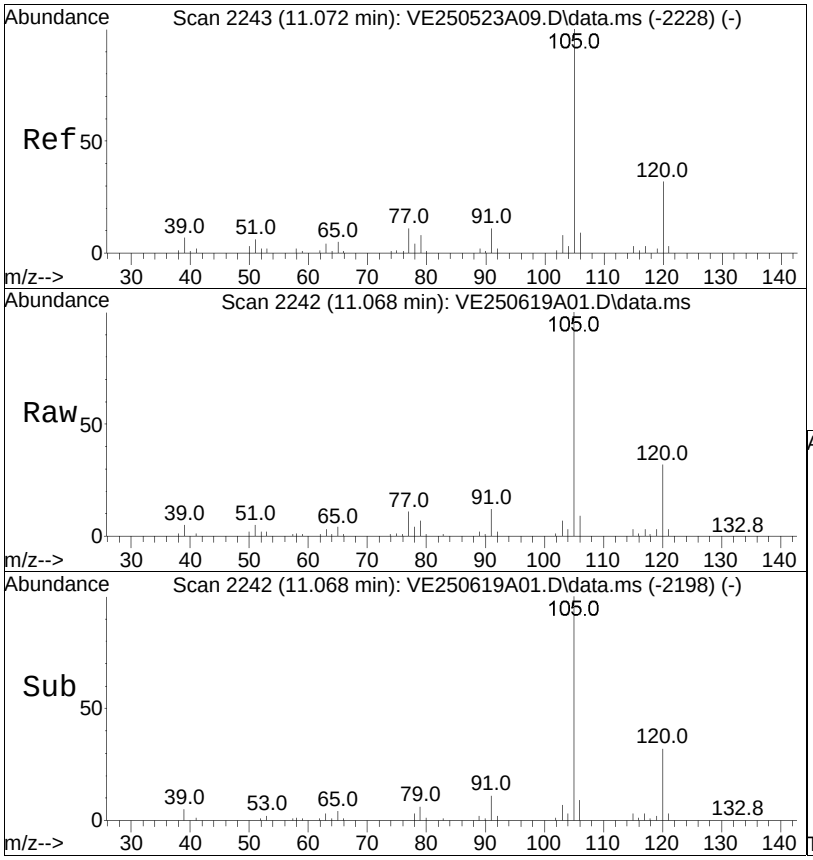


#92
1,1,2,2-Tetrachloroethane
Concen: 10.74 ug/L
RT: 11.032 min Scan# 2234
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 83 Resp: 61885

Ion	Ratio	Lower	Upper
83	100		
131	10.4	0.0	30.3
85	63.9	46.4	86.4

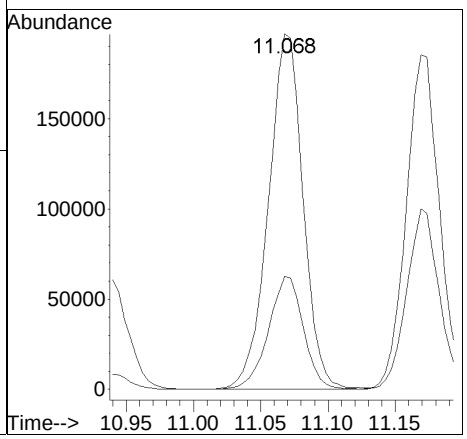


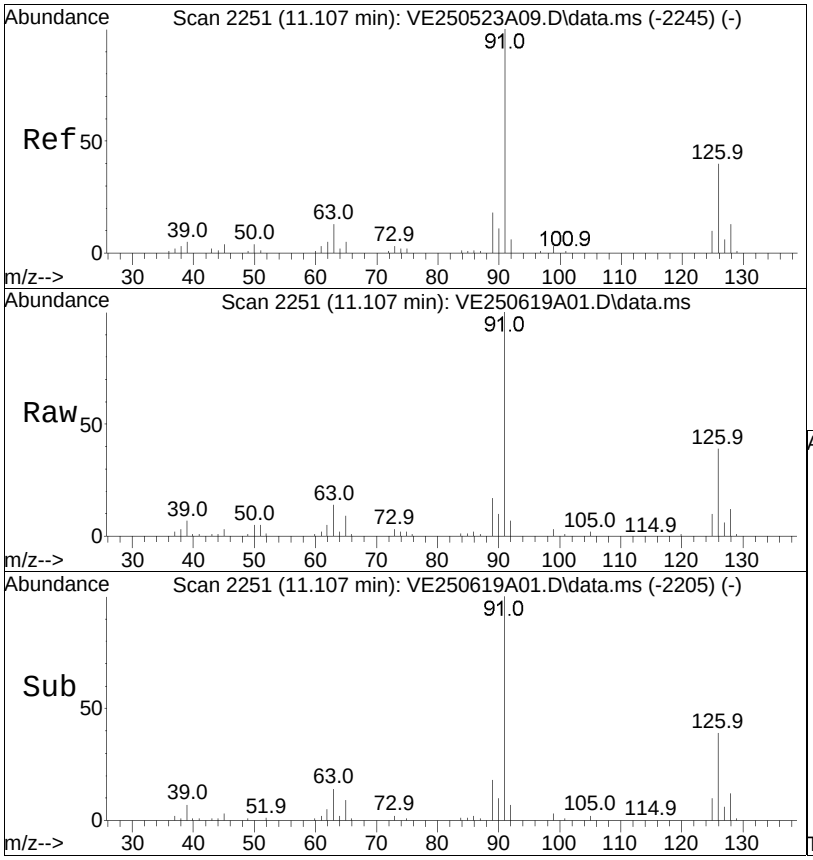


#93
4-Ethyltoluene
Concen: 9.69 ug/L
RT: 11.068 min Scan# 2242
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:105 Resp: 353665

Ion	Ratio	Lower	Upper
105	100		
120	32.0	19.4	40.2

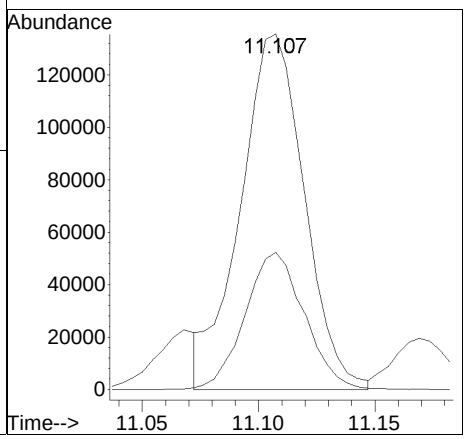


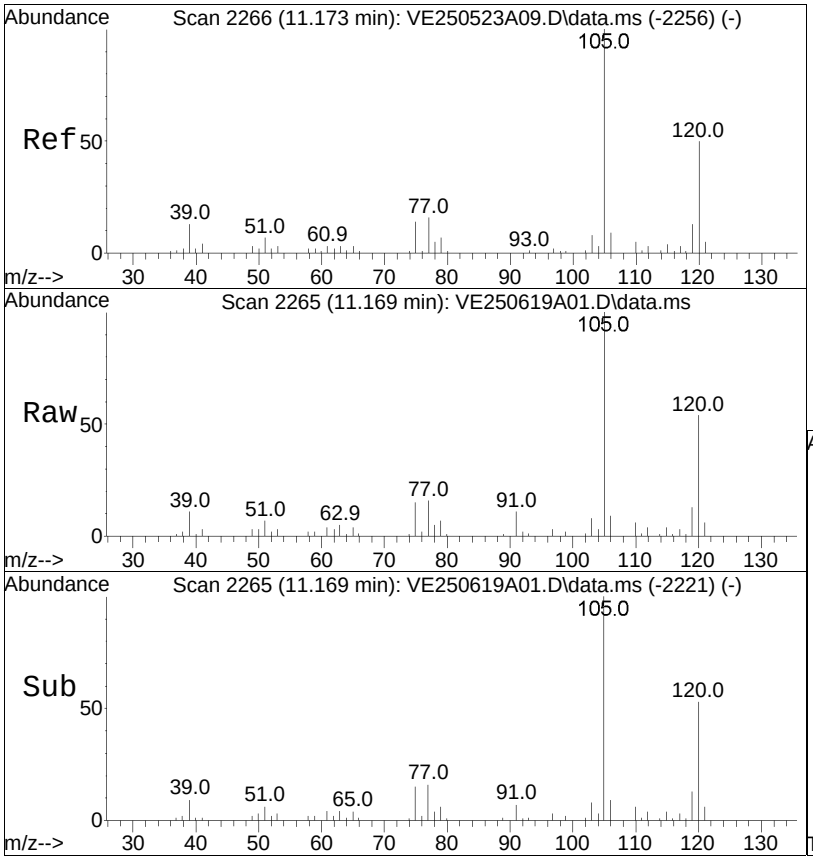


#94
2-Chlorotoluene
Concen: 10.21 ug/L M6
RT: 11.107 min Scan# 2251
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 91 Resp: 259449

Ion	Ratio	Lower	Upper
91	100		
126	35.7	27.1	40.7

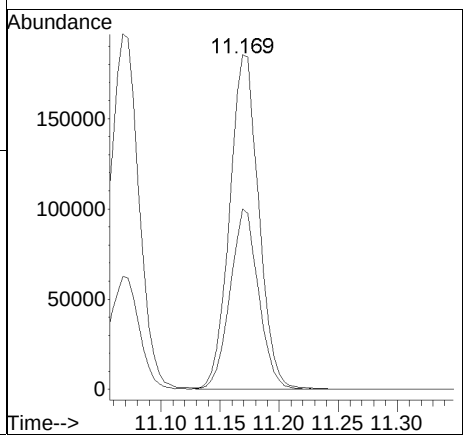


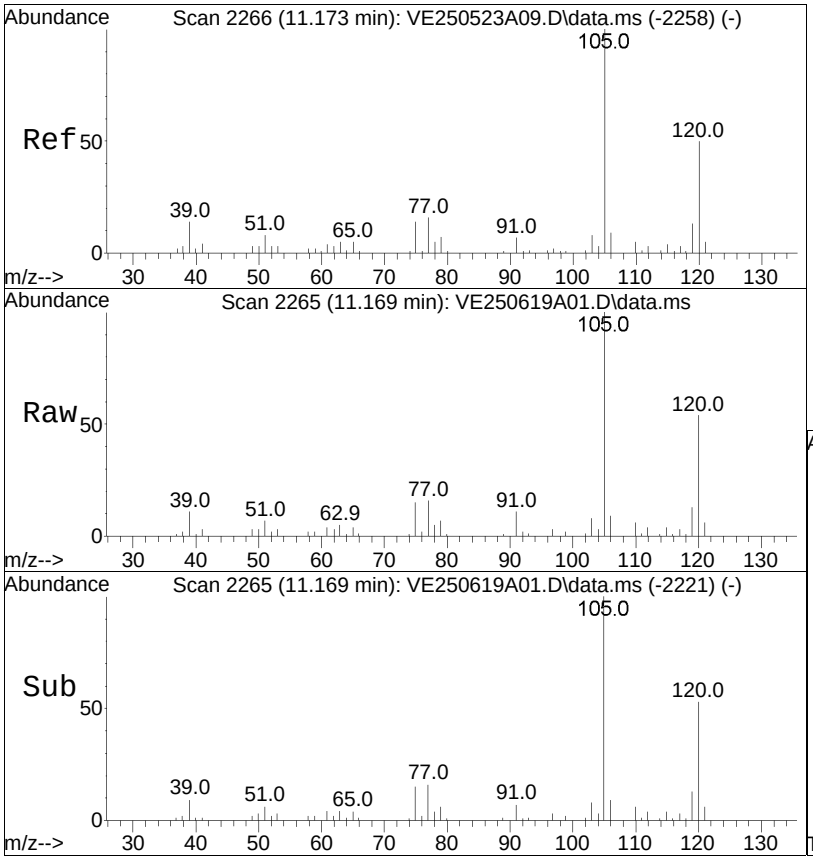


#95
1,3,5-Trimethylbenzene
Concen: 9.97 ug/L
RT: 11.169 min Scan# 2265
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:105 Resp: 319209

Ion	Ratio	Lower	Upper
105	100		
120	52.7	40.2	60.2

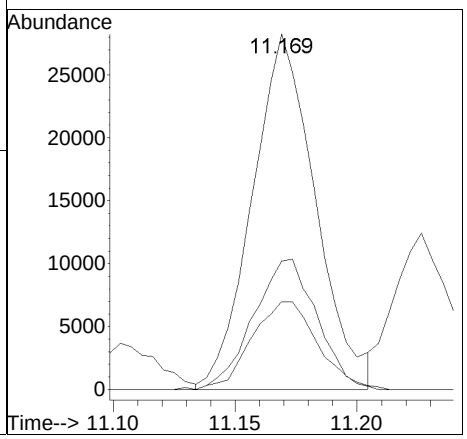


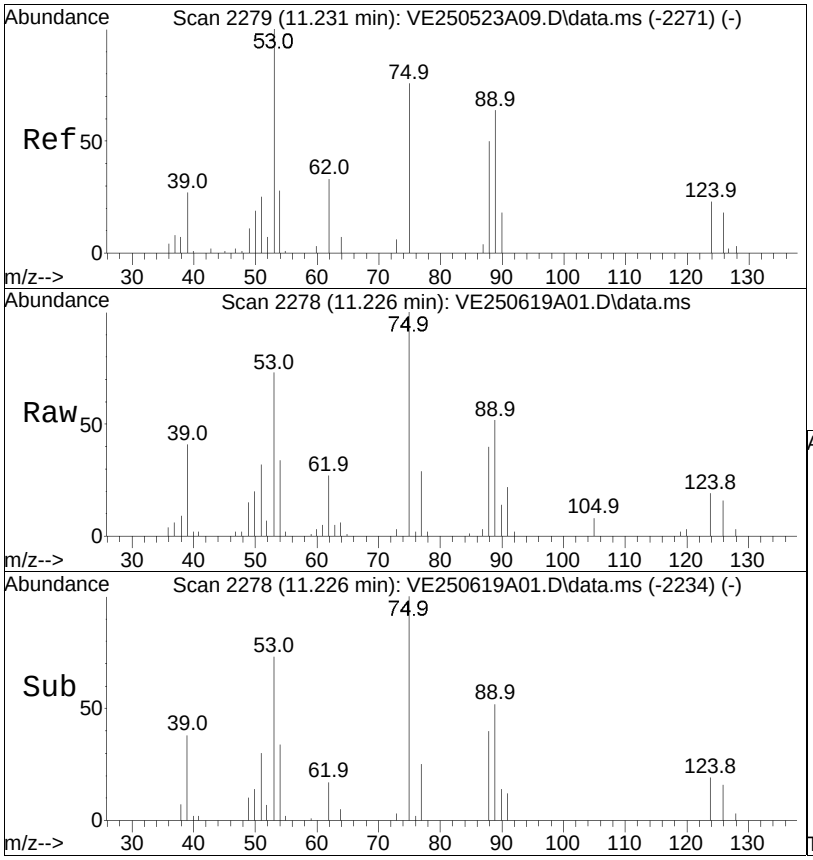


#96
1,2,3-Trichloropropane
Concen: 10.13 ug/L
RT: 11.169 min Scan# 2265
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 75 Resp: 50722

Ion	Ratio	Lower	Upper
75	100		
110	37.1	22.8	47.4
112	25.6	14.9	30.9

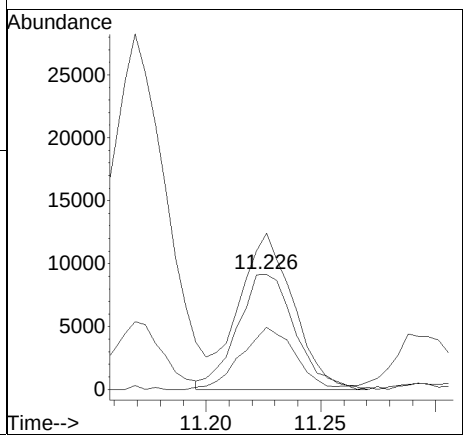


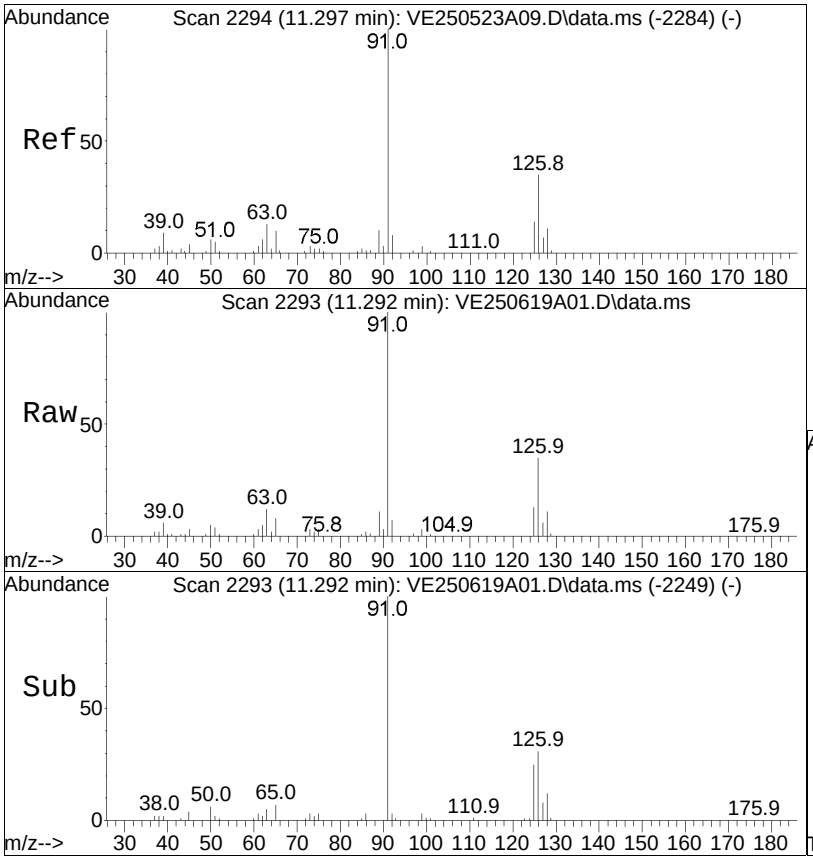


#97
trans-1,4-Dichloro-2-butene
Concen: 7.87 ug/L
RT: 11.226 min Scan# 2278
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 53 Resp: 15959

Ion	Ratio	Lower	Upper
53	100		
88	51.2	32.6	49.0#
75	122.3	75.3	112.9#

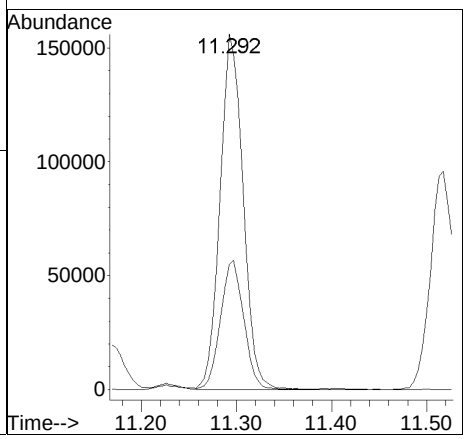


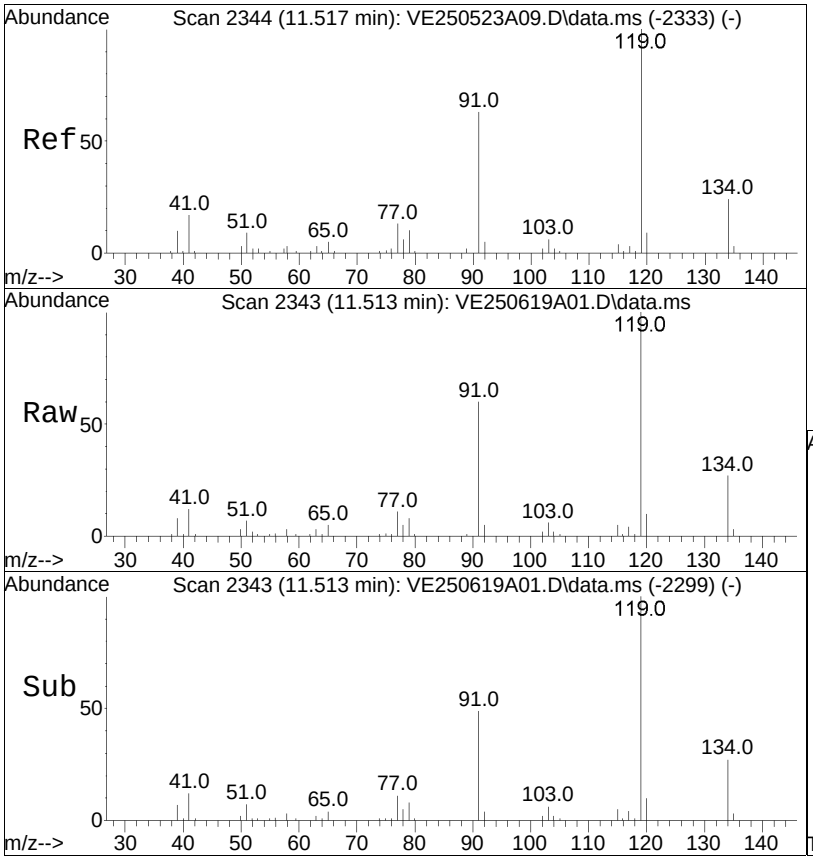


#98
4-Chlorotoluene
Concen: 9.96 ug/L
RT: 11.292 min Scan# 2293
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 91 Resp: 263008

Ion	Ratio	Lower	Upper
91	100		
126	36.5	26.2	39.4

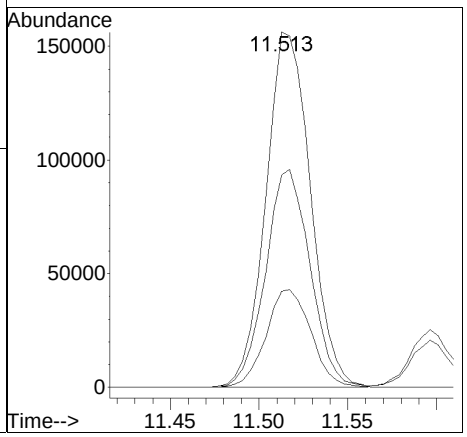


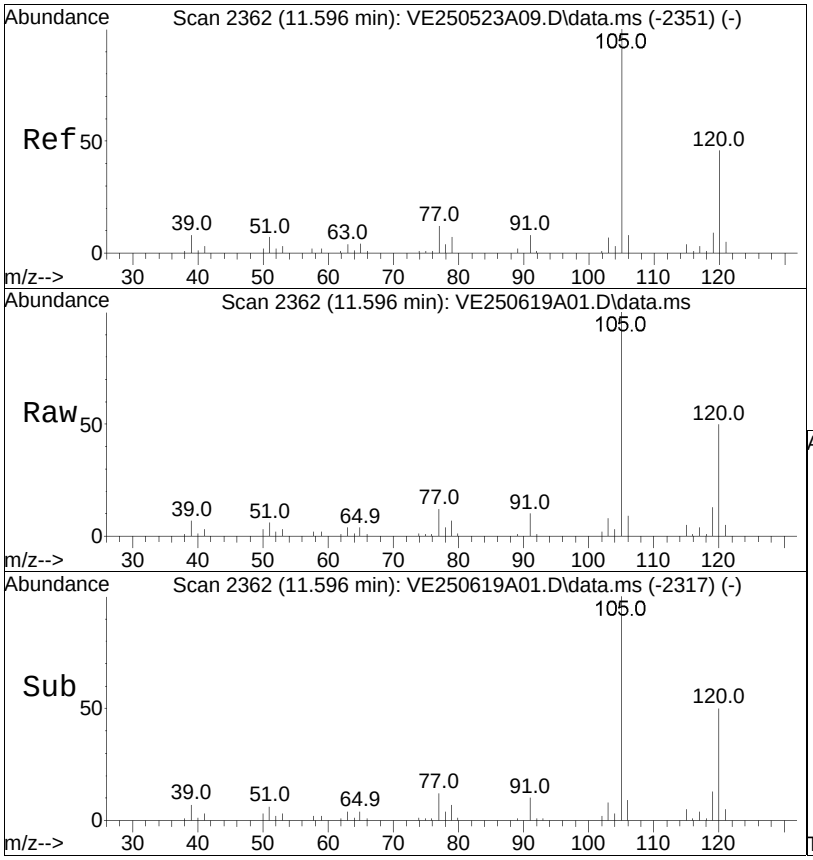


#99
tert-Butylbenzene
Concen: 9.82 ug/L
RT: 11.513 min Scan# 2343
Delta R.T. -0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:119 Resp: 273141

Ion	Ratio	Lower	Upper
119	100		
91	61.3	55.4	83.0
134	27.8	21.8	32.6

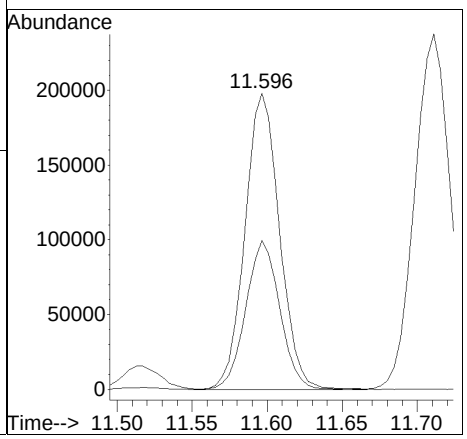


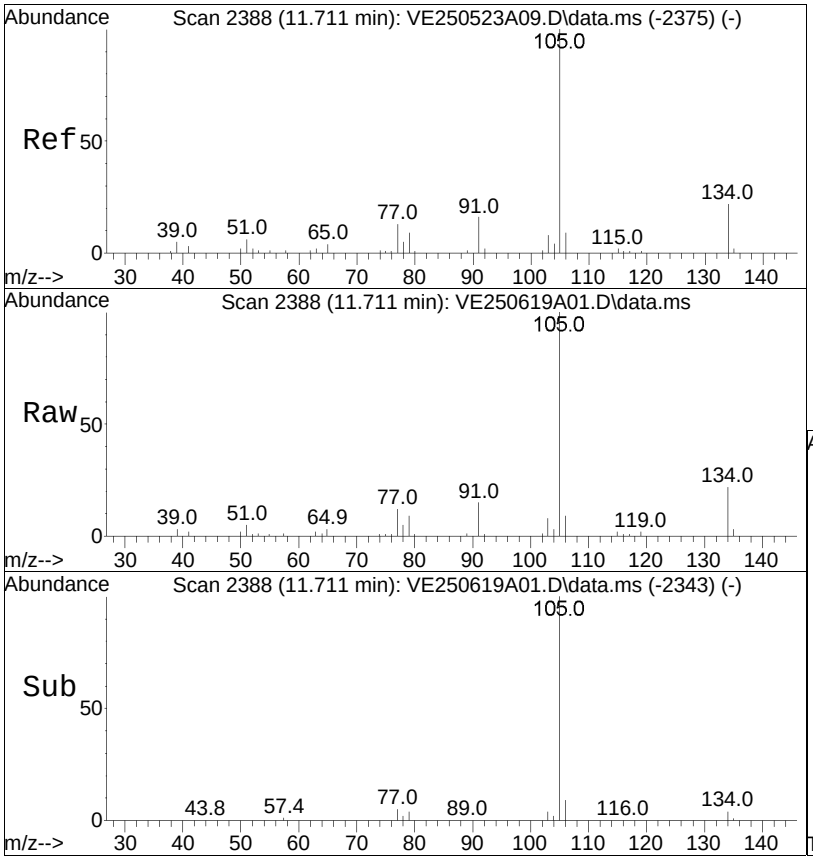


#102
1,2,4-Trimethylbenzene
Concen: 10.19 ug/L
RT: 11.596 min Scan# 2362
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:105 Resp: 317005

Ion	Ratio	Lower	Upper
105	100		
120	49.5	36.5	54.7

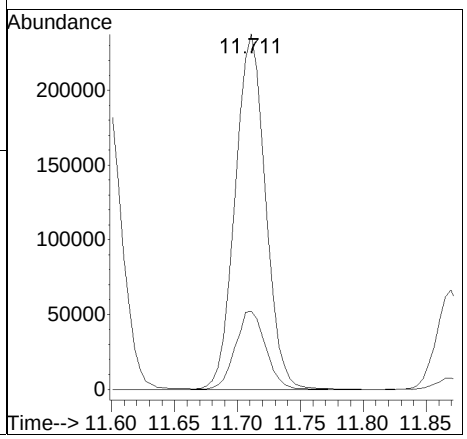


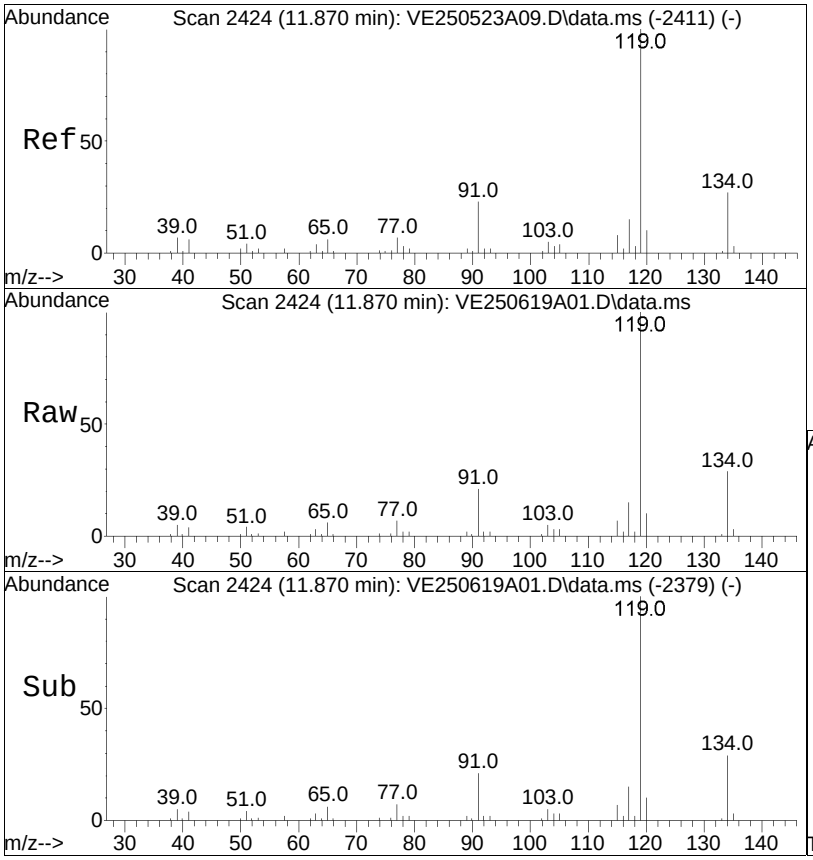


#103
sec-Butylbenzene
Concen: 9.96 ug/L
RT: 11.711 min Scan# 2388
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:105 Resp: 397685

Ion	Ratio	Lower	Upper
105	100		
134	22.0	13.9	28.9

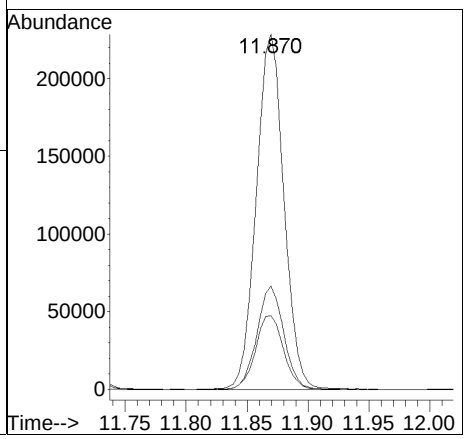


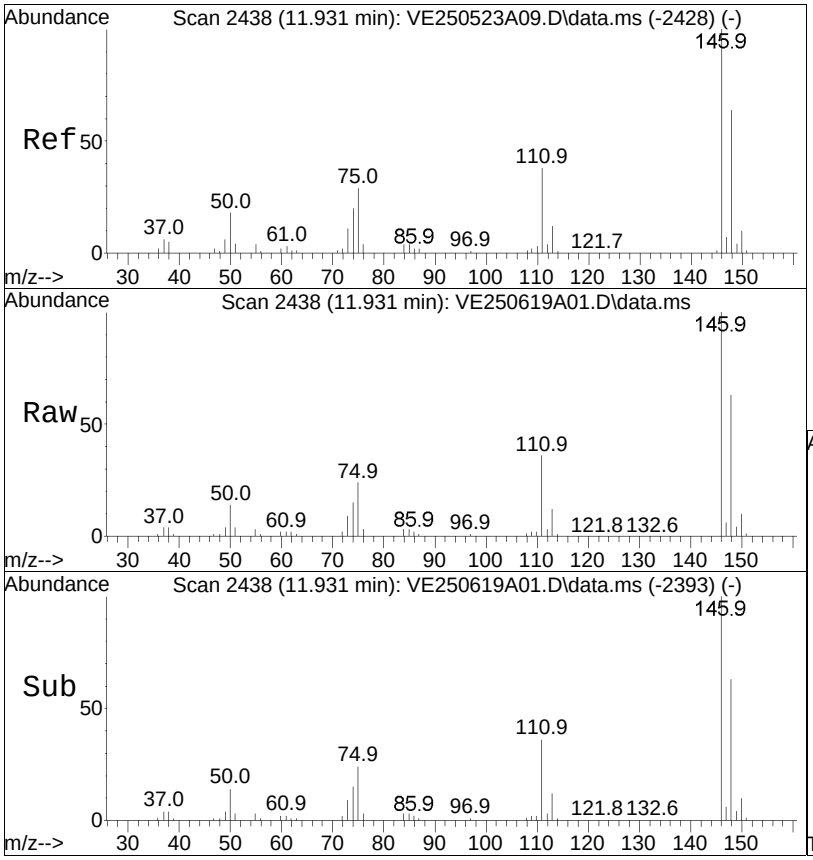


#104
p-Isopropyltoluene
Concen: 10.17 ug/L
RT: 11.870 min Scan# 2424
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:119 Resp: 360444

Ion	Ratio	Lower	Upper
119	100		
134	28.2	18.3	37.9
91	21.2	15.6	32.4

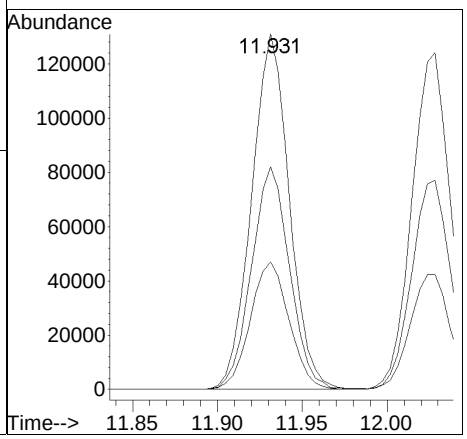


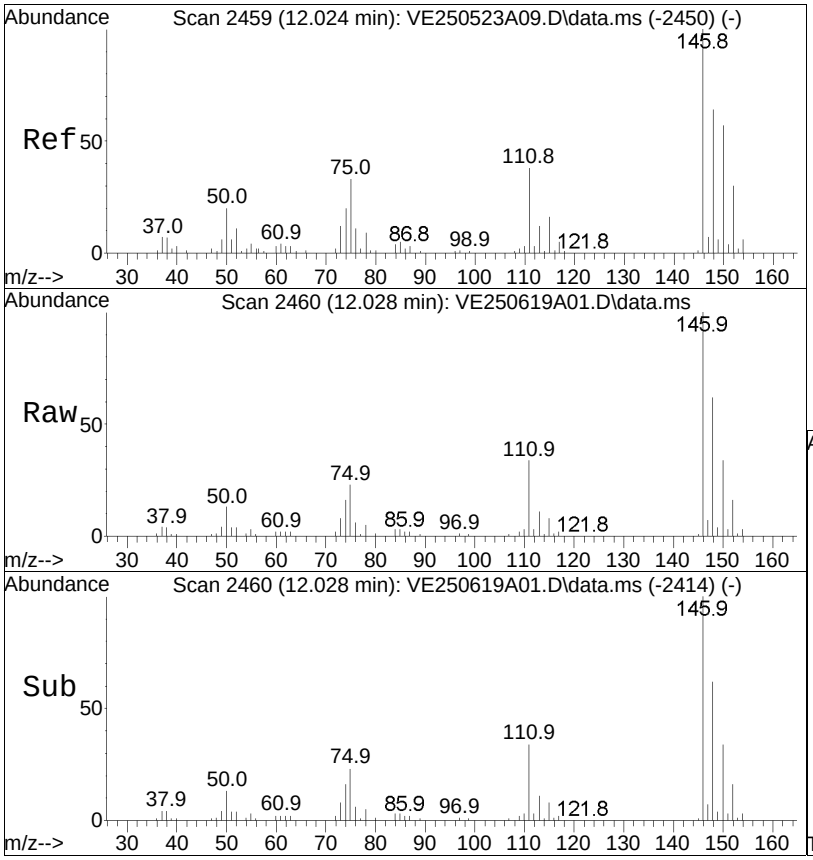


#105
1,3-Dichlorobenzene
Concen: 11.04 ug/L
RT: 11.931 min Scan# 2438
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:146 Resp: 202671

Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.0	54.0
148	63.2	42.1	87.5

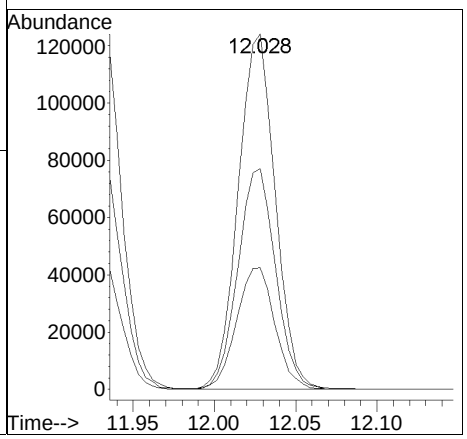


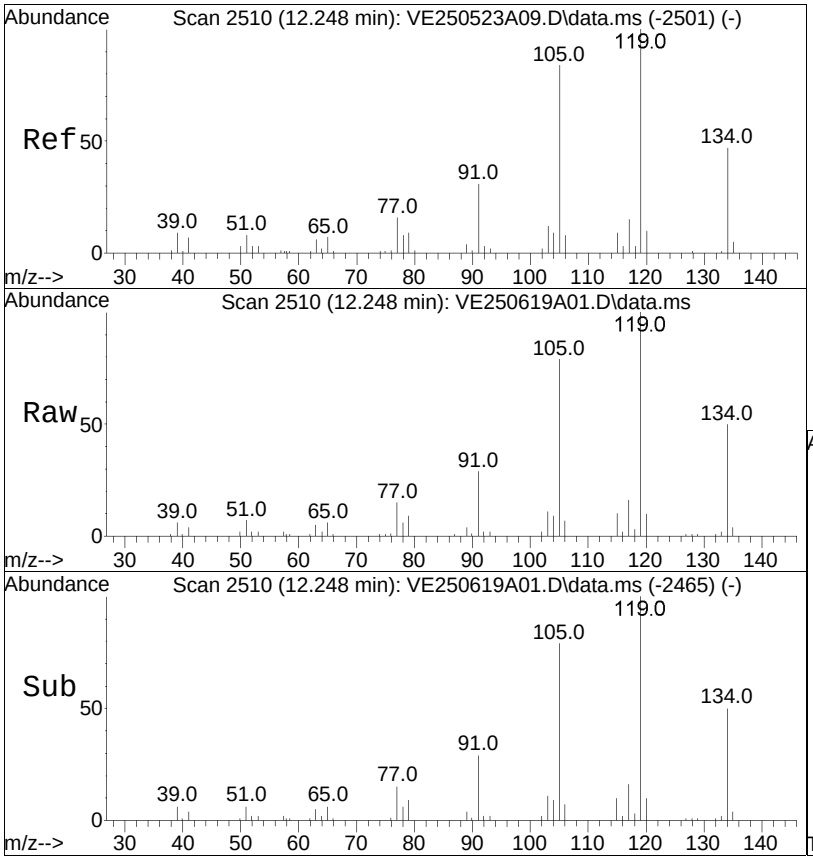


#106
1,4-Dichlorobenzene
Concen: 10.86 ug/L
RT: 12.028 min Scan# 2460
Delta R.T. 0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:146 Resp: 196807

Ion	Ratio	Lower	Upper
146	100		
111	35.6	30.0	45.0
148	63.2	51.2	76.8

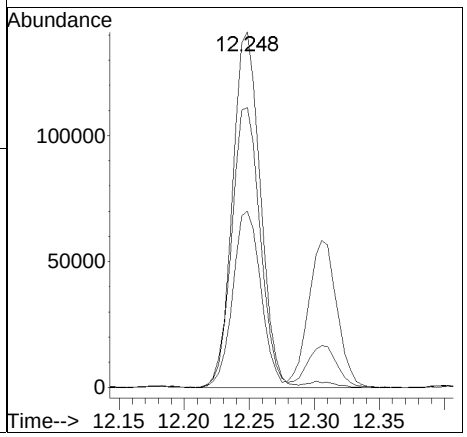


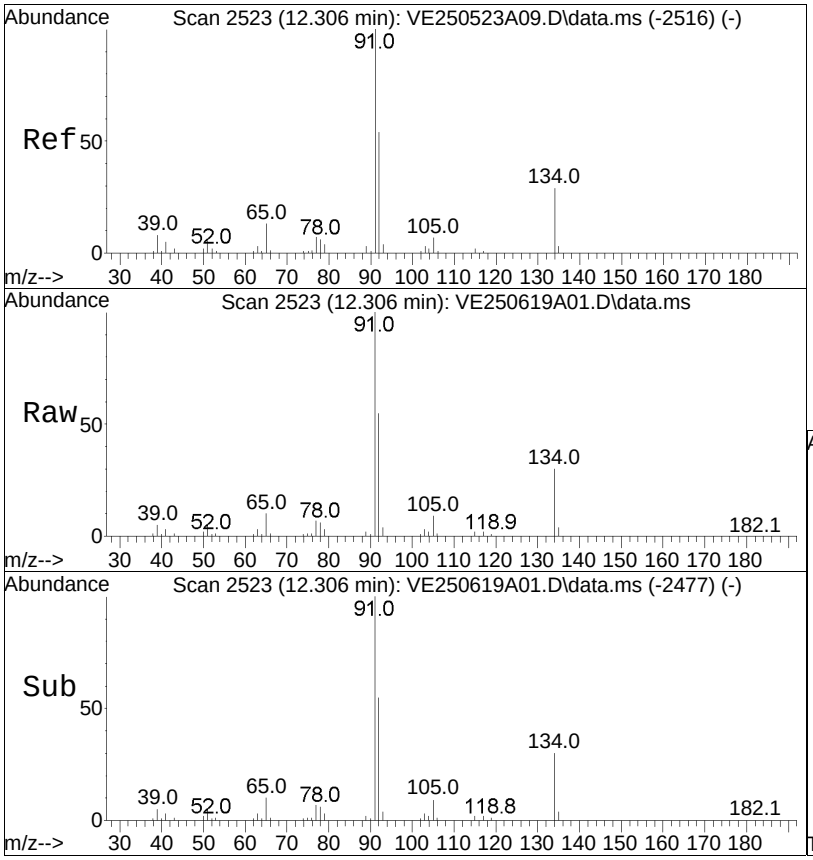


#107
p-Diethylbenzene
Concen: 10.07 ug/L
RT: 12.248 min Scan# 2510
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:119 Resp: 213917

Ion	Ratio	Lower	Upper
119	100		
105	79.4	55.4	115.0
134	49.6	31.8	66.0

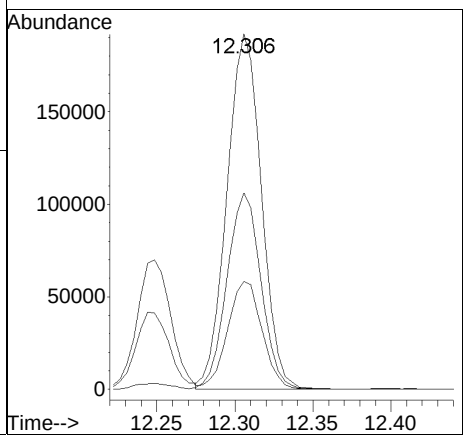


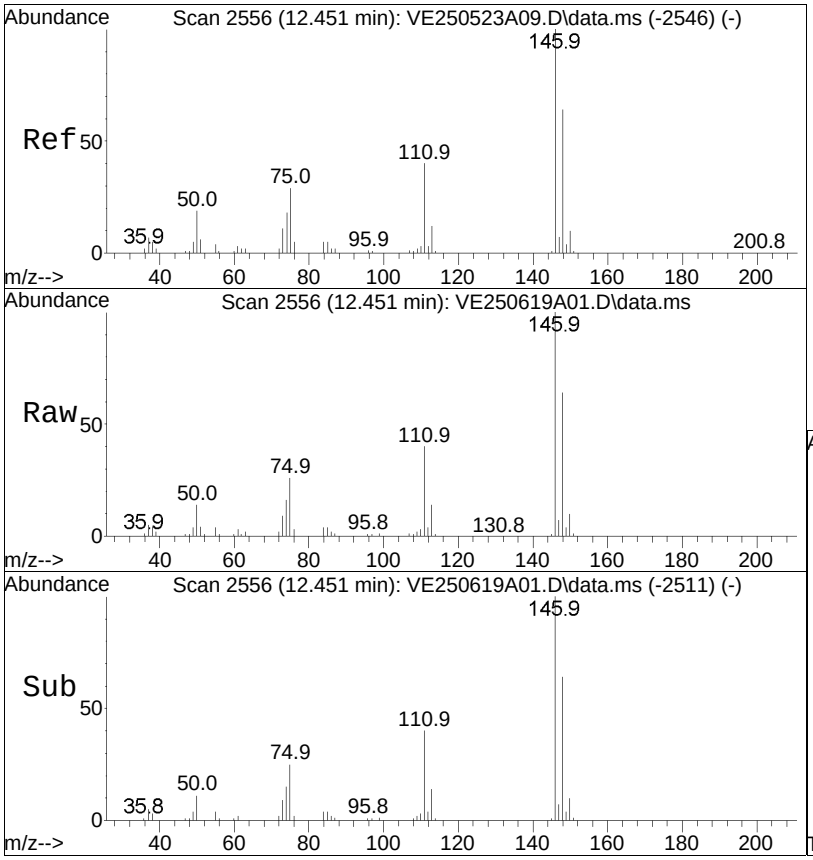


#108
n-Butylbenzene
Concen: 10.07 ug/L
RT: 12.306 min Scan# 2523
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion: 91 Resp: 294773

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.1	64.7
134	30.2	21.7	32.5

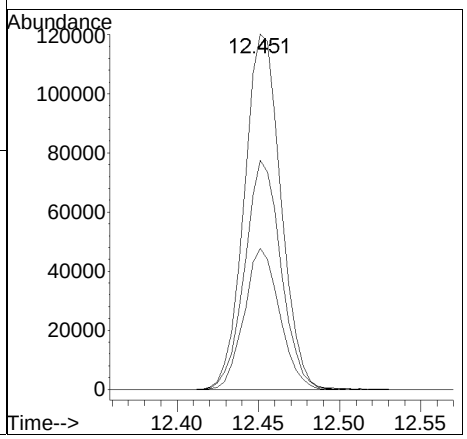


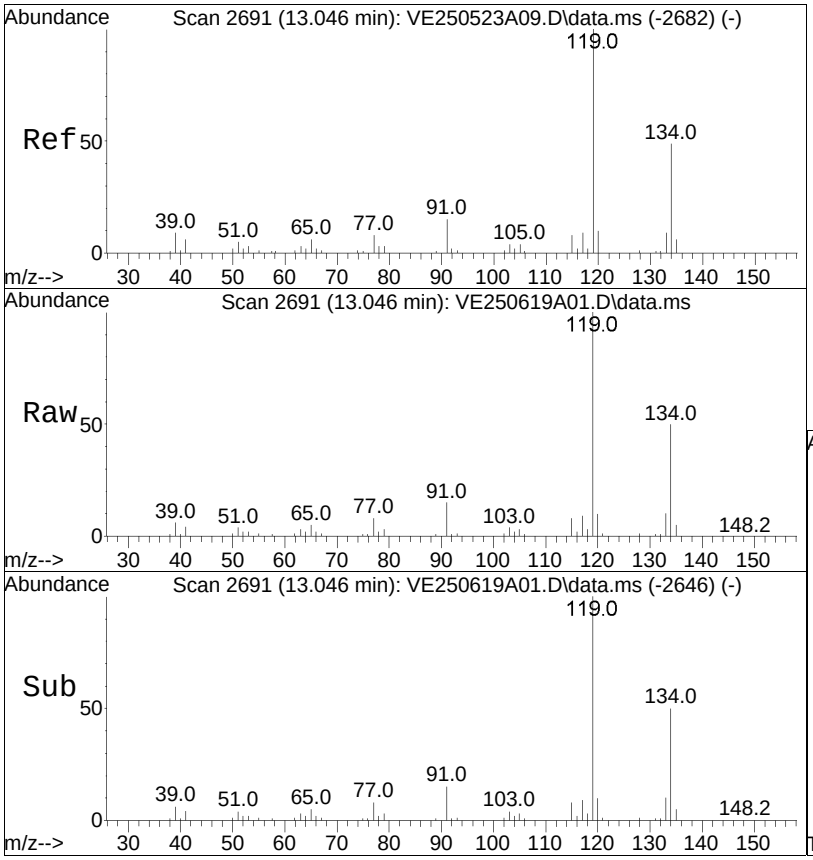


#109
1,2-Dichlorobenzene
Concen: 11.03 ug/L
RT: 12.451 min Scan# 2556
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:146 Resp: 188372

Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.1	54.1
148	63.6	41.7	86.5

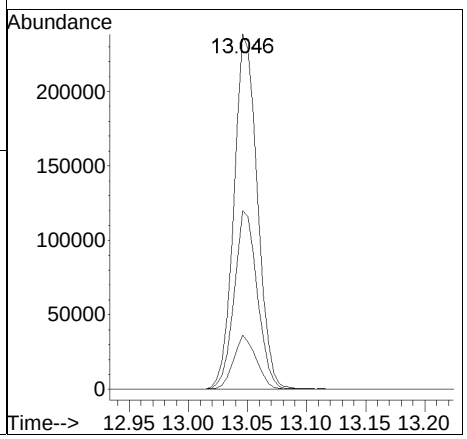


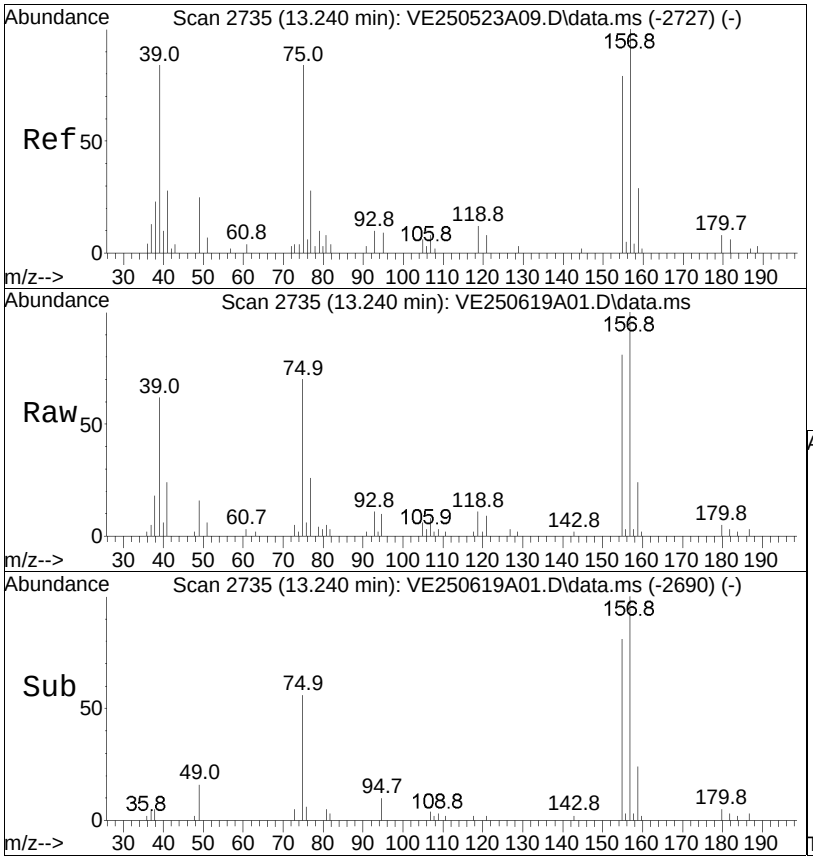


#110
1,2,4,5-Tetramethylbenzene
Concen: 9.97 ug/L
RT: 13.046 min Scan# 2691
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:119 Resp: 329903

Ion	Ratio	Lower	Upper
119	100		
134	49.9	32.5	67.5
91	14.9	10.5	21.7

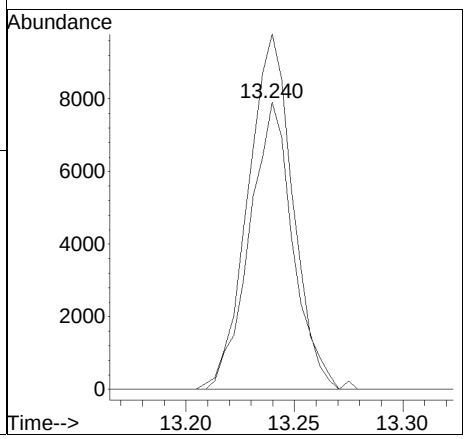


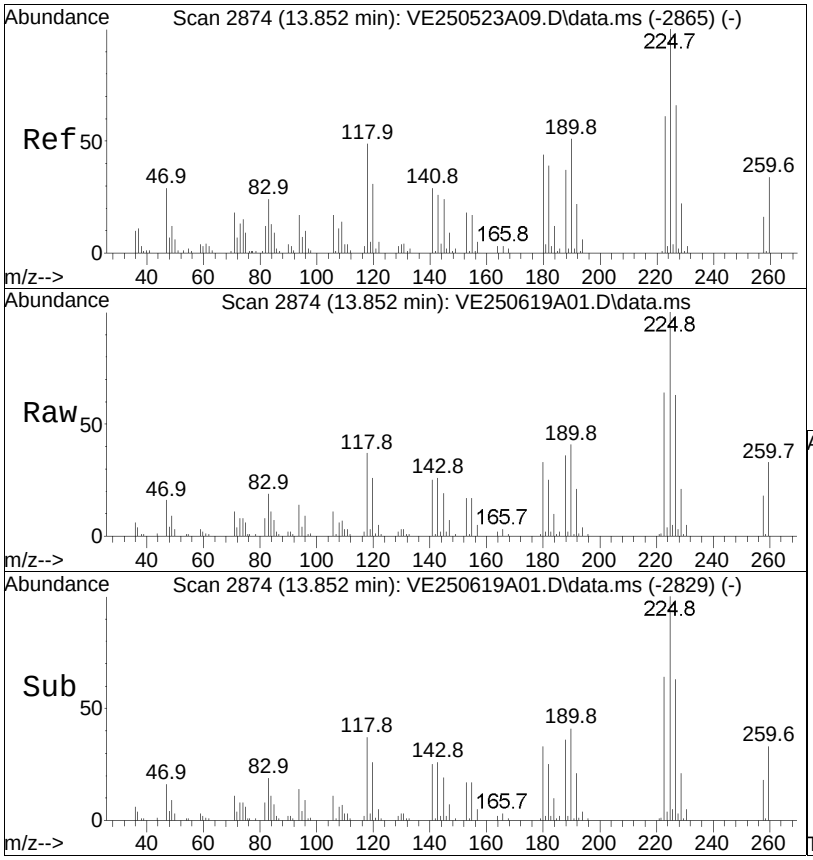


#111
1,2-Dibromo-3-chloropropane
Concen: 10.58 ug/L
RT: 13.240 min Scan# 2735
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:155 Resp: 10998

Ion	Ratio	Lower	Upper
155	100		
157	128.3	99.5	149.3

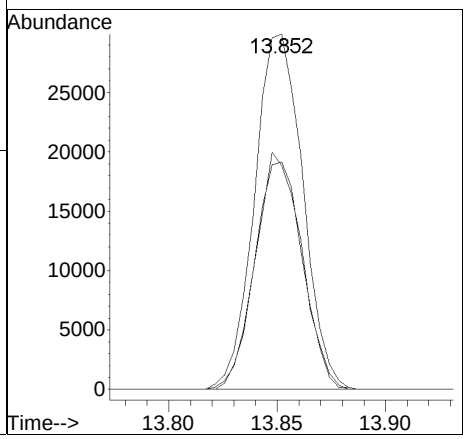


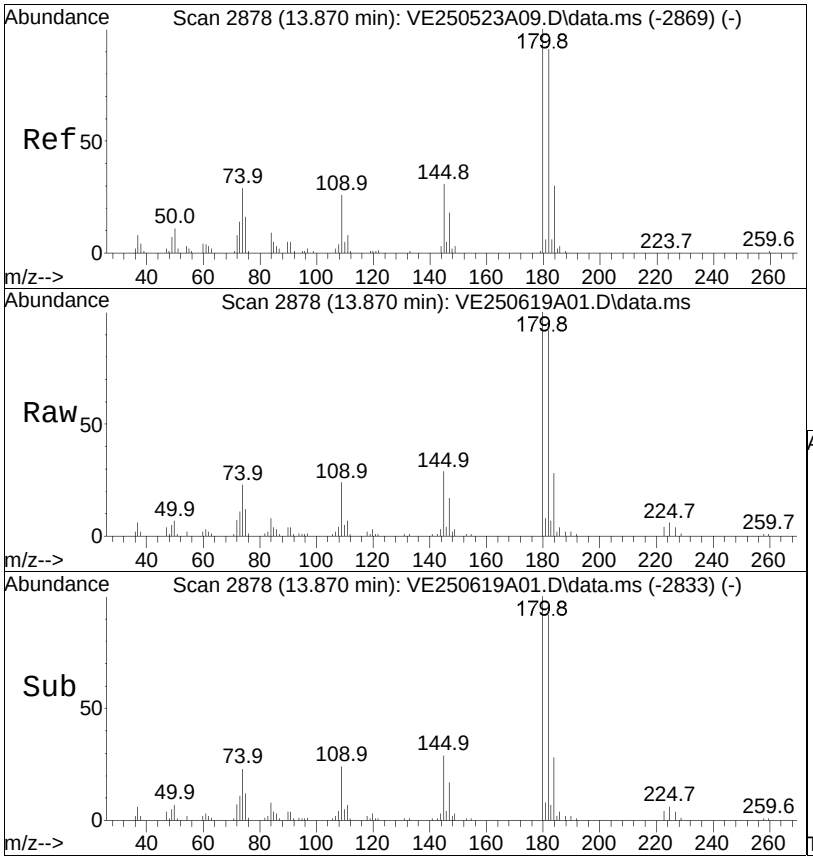


#113
Hexachlorobutadiene
Concen: 13.18 ug/L
RT: 13.852 min Scan# 2874
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:225 Resp: 46373

Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.9	77.9
227	63.9	53.0	79.6

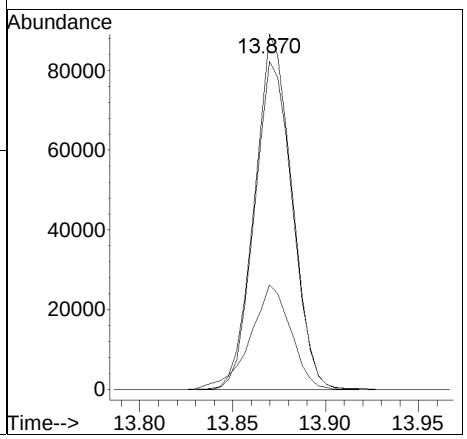


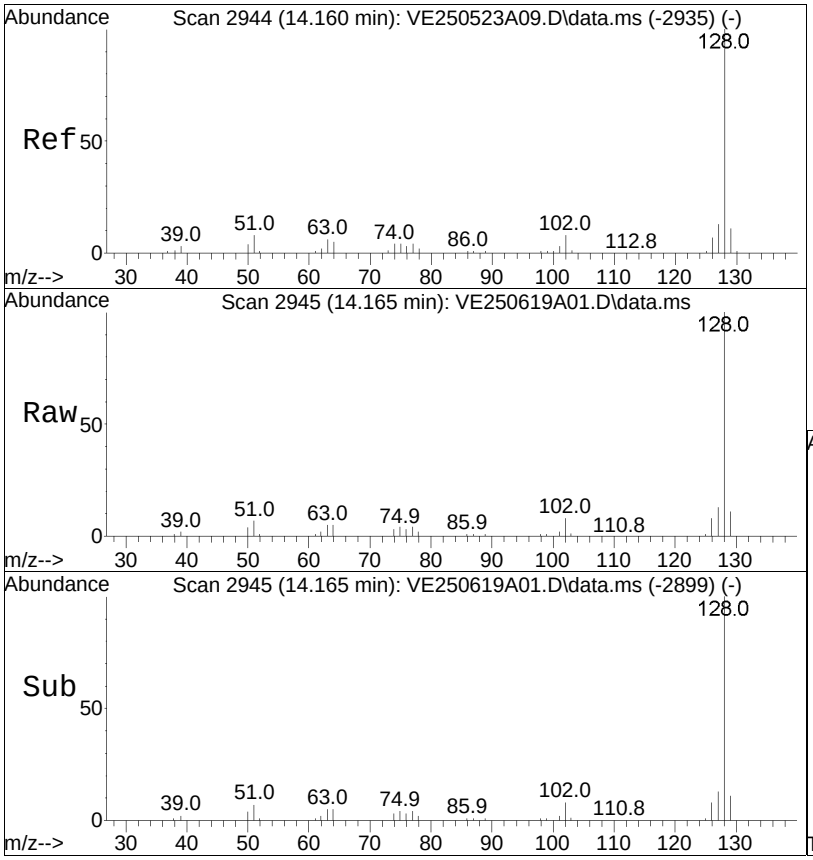


#114
1,2,4-Trichlorobenzene
Concen: 11.13 ug/L
RT: 13.870 min Scan# 2878
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:180 Resp: 124241

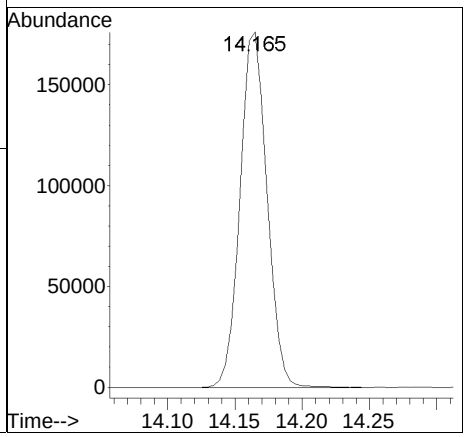
Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.3	112.9
145	32.0	26.9	40.3

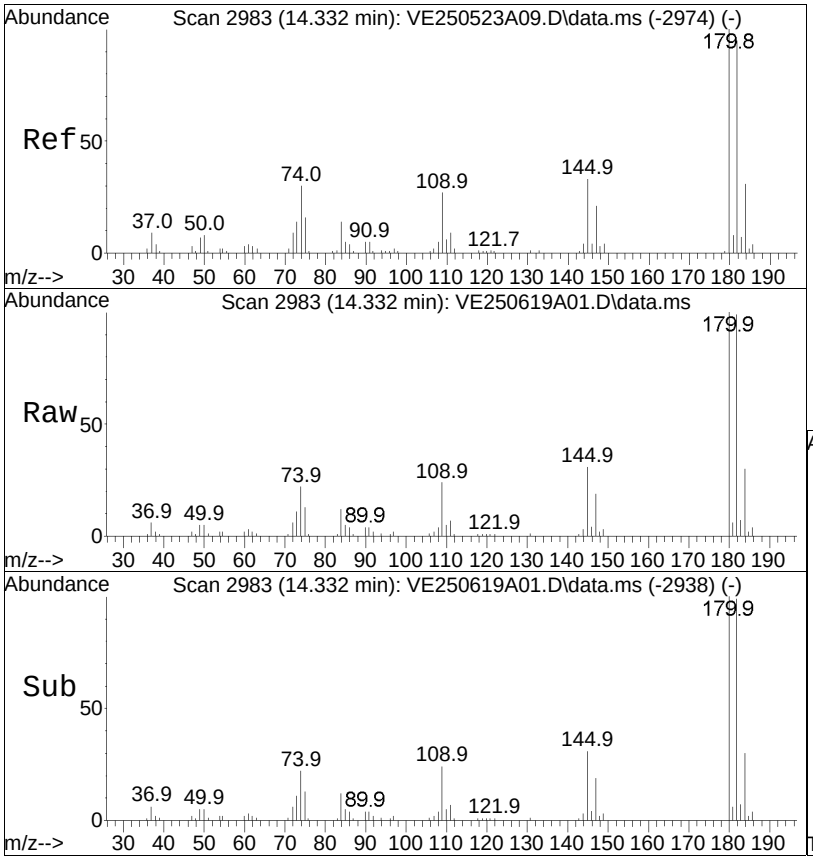




#115
Naphthalene
Concen: 9.42 ug/L
RT: 14.165 min Scan# 2945
Delta R.T. 0.004 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:128 Resp: 245627

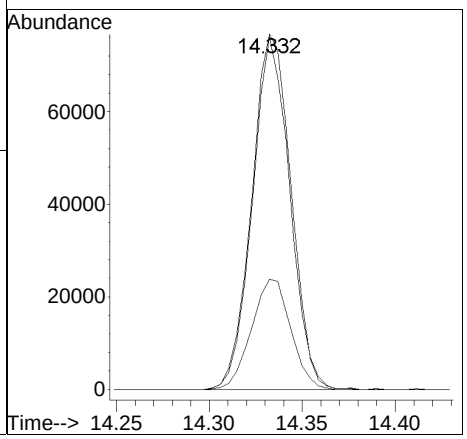




#116
1,2,3-Trichlorobenzene
Concen: 11.26 ug/L
RT: 14.332 min Scan# 2983
Delta R.T. 0.000 min
Lab File: VE250619A01.D
Acq: 19 Jun 2025 9:47 am

Tgt Ion:180 Resp: 112747

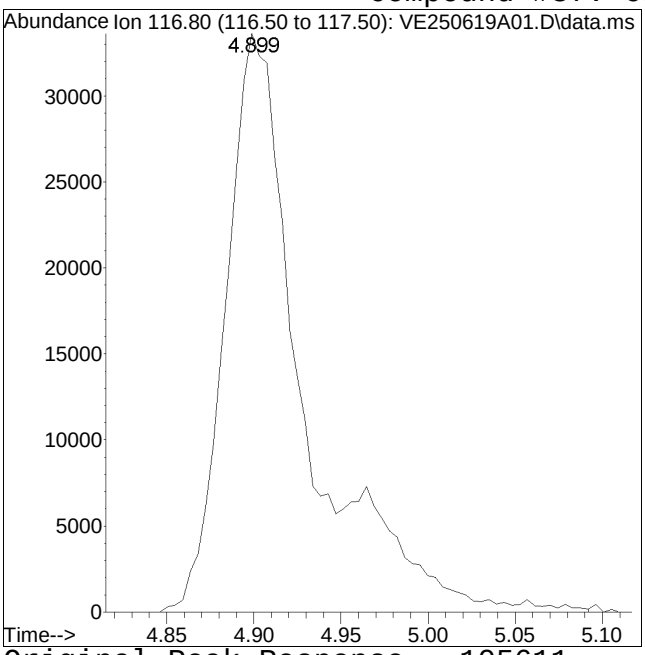
Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.8	113.6
145	31.0	25.8	38.8



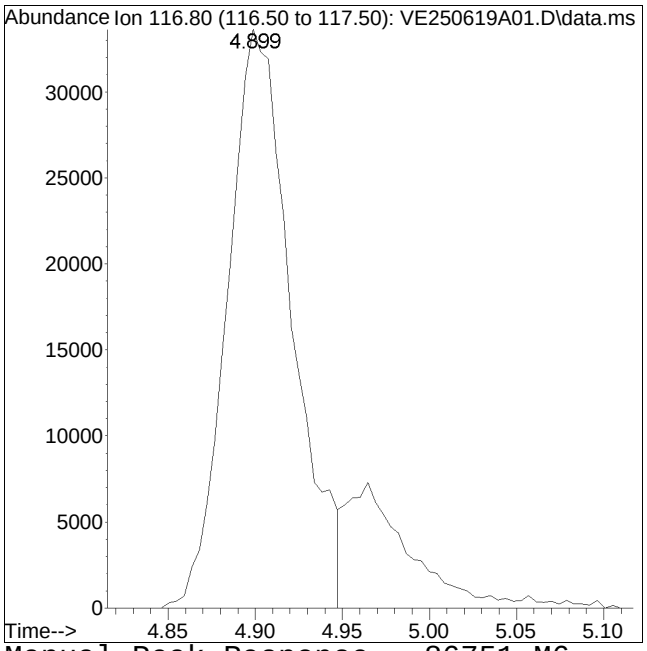
Manual Integration Report

Data Path	: K:\Elaine\2025\250619A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250619A01.D	Operator	: ELAINE:PID
Date Inj'd	: 6/19/2025 9:47 am	Instrument	: Elaine
Sample	: WG2081757-3,31,10,10	Quant Date	: 6/19/2025 10:52 am

Compound #37: Carbon tetrachloride



Original Peak Response = 105611



Manual Peak Response = 86751 M6

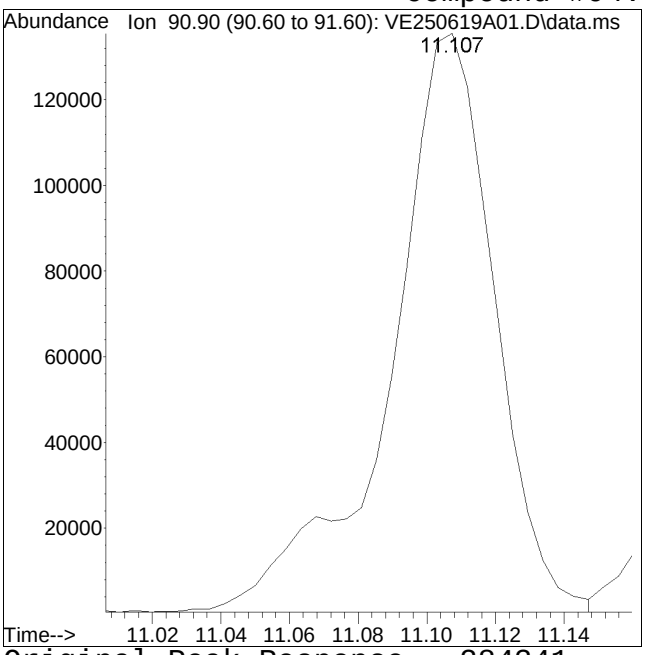
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

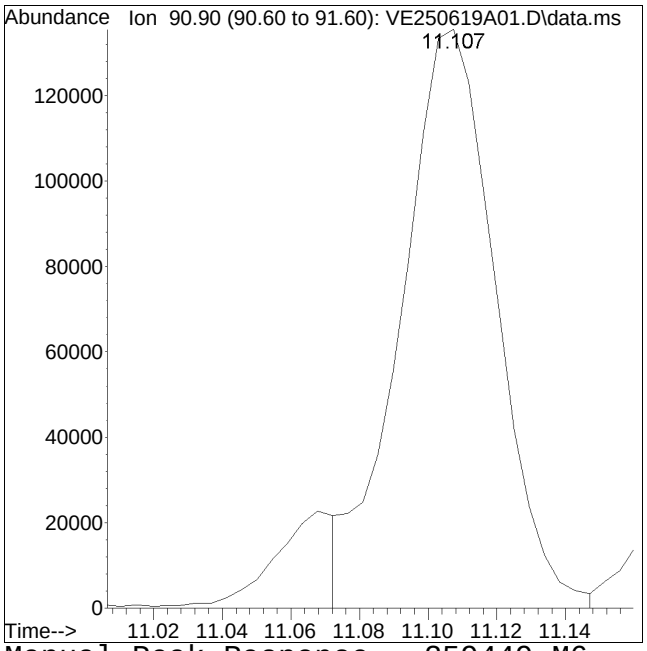
Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A01.D
Date Inj'd : 6/19/2025 9:47 am
Sample : WG2081757-3,31,10,10

QMethod : Elaine_250523A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 6/19/2025 10:52 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 284341



Manual Peak Response = 259449 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-3,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.829	96	227794	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 100.00%			
59) Chlorobenzene-d5	9.334	117	173943	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 100.00%			
79) 1,4-Dichlorobenzene-d4	12.084	152	95648	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 100.00%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	61843	10.063	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.63%			
43) 1,2-Dichloroethane-d4	5.550	65	64570	10.462	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.62%			
60) Toluene-d8	7.502	98	225272	10.380	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.80%			
83) 4-Bromofluorobenzene	10.857	95	82844	10.008	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	45290	7.284	ug/L	99
3) Chloromethane	1.774	50	58845	7.917	ug/L	99
4) Vinyl chloride	1.835	62	68951	9.039	ug/L	99
5) Bromomethane	2.128	94	40538	7.687	ug/L	99
6) Chloroethane	2.237	64	70375	12.032	ug/L	97
7) Trichlorofluoromethane	2.371	101	117258	10.672	ug/L	98
8) Ethyl ether	2.655	74	39090	10.633	ug/L	84
10) 1,1-Dichloroethene	2.831	96	58521	8.703	ug/L	93
11) Carbon disulfide	2.864	76	136561	6.869	ug/L	100
15) Methylene chloride	3.372	84	55880	9.172	ug/L	93
17) Acetone	3.425	43	9699	10.170	ug/L	100
18) trans-1,2-Dichloroethene	3.522	96	53058	8.628	ug/L	99
20) Methyl tert-butyl ether	3.623	73	116585	8.318	ug/L	94
23) 1,1-Dichloroethane	4.089	63	102162	9.276	ug/L	99
25) Acrylonitrile	4.142	53	11541M1	9.842	ug/L	
27) Vinyl acetate	4.320	43	90479	11.608	ug/L #	83
28) cis-1,2-Dichloroethene	4.599	96	59098	8.818	ug/L	95
29) 2,2-Dichloropropane	4.691	77	60906	7.284	ug/L	90
30) Bromochloromethane	4.783	128	27512	9.128	ug/L	87
32) Chloroform	4.858	83	94693	9.129	ug/L	99

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-3,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.989	117	70411	8.479	ug/L		98
37) 1,1,1-Trichloroethane	5.053	97	82260	8.945	ug/L		99
39) 2-Butanone	5.157	43	11739	9.065	ug/L		95
40) 1,1-Dichloropropene	5.171	75	66514	8.799	ug/L		100
41) Benzene	5.413	78	209170	9.179	ug/L		98
44) 1,2-Dichloroethane	5.617	62	65395	9.701	ug/L		93
48) Trichloroethene	6.007	95	56996	8.705	ug/L		99
50) Dibromomethane	6.439	93	29788	9.359	ug/L		91
51) 1,2-Dichloropropane	6.540	63	55812	9.148	ug/L		100
54) Bromodichloromethane	6.618	83	68427	8.588	ug/L		100
57) 1,4-Dioxane	6.830	88	13039	436.385	ug/L	#	85
58) cis-1,3-Dichloropropene	7.301	75	71972	7.859	ug/L		98
61) Toluene	7.558	92	134463	9.381	ug/L		99
62) 4-Methyl-2-pentanone	7.998	58	11489	9.375	ug/L		94
63) Tetrachloroethene	8.007	166	59032	9.237	ug/L		97
65) trans-1,3-Dichloropropene	8.046	75	59407	8.520	ug/L		96
68) 1,1,2-Trichloroethane	8.227	83	34843	9.872	ug/L		97
69) Chlorodibromomethane	8.442	129	46871	8.316	ug/L		98
70) 1,3-Dichloropropane	8.542	76	70444	10.041	ug/L		99
71) 1,2-Dibromoethane	8.709	107	39925	9.641	ug/L		98
72) 2-Hexanone	9.005	43	19543	9.520	ug/L	#	90
73) Chlorobenzene	9.359	112	153777	9.287	ug/L		98
74) Ethylbenzene	9.395	91	262644	9.497	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.440	131	53587	8.823	ug/L		99
76) p/m Xylene	9.582	106	206372	18.505	ug/L		97
77) o Xylene	10.129	106	202594	18.519	ug/L		97
78) Styrene	10.198	104	326871	18.701	ug/L		98
80) Bromoform	10.226	173	25159	7.370	ug/L		99
82) Isopropylbenzene	10.522	105	257871	9.424	ug/L		99
84) Bromobenzene	10.968	156	63433	9.500	ug/L		98
85) n-Propylbenzene	11.013	91	305432	9.805	ug/L		97
87) 1,1,2,2-Tetrachloroethane	11.105	83	49173	10.242	ug/L		100
88) 4-Ethyltoluene	11.141	105	252333	9.628	ug/L		99
89) 2-Chlorotoluene	11.180	91	176001	9.510	ug/L		99
90) 1,3,5-Trimethylbenzene	11.239	105	210336	9.402	ug/L		100
91) 1,2,3-Trichloropropane	11.241	75	33812	9.169	ug/L		92
92) trans-1,4-Dichloro-2-b...	11.306	53	9484	8.586	ug/L	#	69
93) 4-Chlorotoluene	11.367	91	180444	9.638	ug/L		99
94) tert-Butylbenzene	11.584	119	177610	9.390	ug/L		99

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-3,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.665	105	206083	9.553	ug/L	98
98)	sec-Butylbenzene	11.777	105	255774	9.542	ug/L	99
99)	p-Isopropyltoluene	11.933	119	214547	9.359	ug/L	99
100)	1,3-Dichlorobenzene	12.005	146	118467	9.642	ug/L	99
101)	1,4-Dichlorobenzene	12.098	146	119385	9.445	ug/L	99
102)	p-Diethylbenzene	12.315	119	119286	9.127	ug/L	99
103)	n-Butylbenzene	12.371	91	174176	9.586	ug/L	97
104)	1,2-Dichlorobenzene	12.524	146	106416	9.767	ug/L	100
105)	1,2,4,5-Tetramethylben...	13.115	119	158187	8.585	ug/L	100
106)	1,2-Dibromo-3-chloropr...	13.311	155	5425	8.046	ug/L	96
108)	Hexachlorobutadiene	13.918	225	21672	8.094	ug/L	99
109)	1,2,4-Trichlorobenzene	13.944	180	50625	8.587	ug/L	97
110)	Naphthalene	14.236	128	96043	9.013	ug/L	100
111)	1,2,3-Trichlorobenzene	14.404	180	40244	8.931	ug/L	97

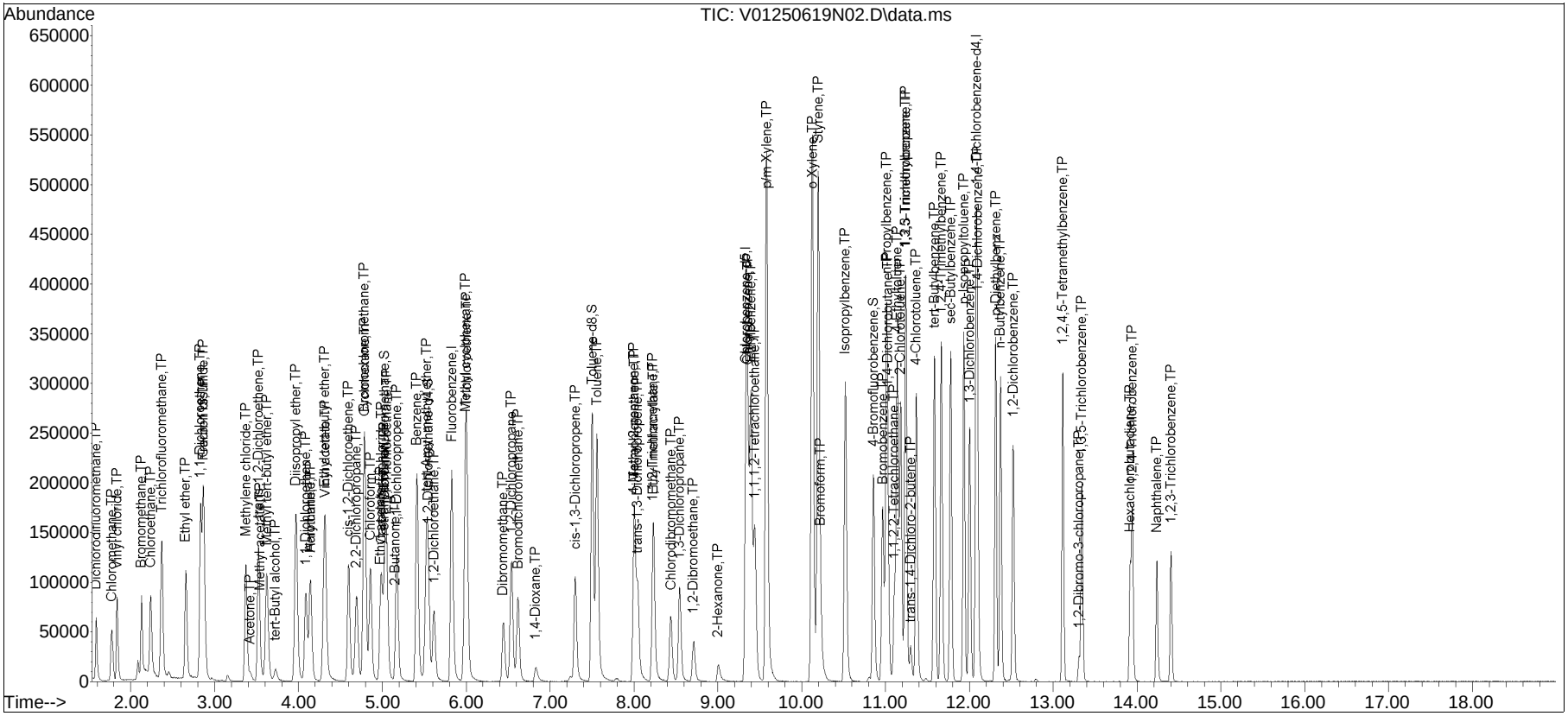
(#) = qualifier out of range (m) = manual integration (+) = signals summed

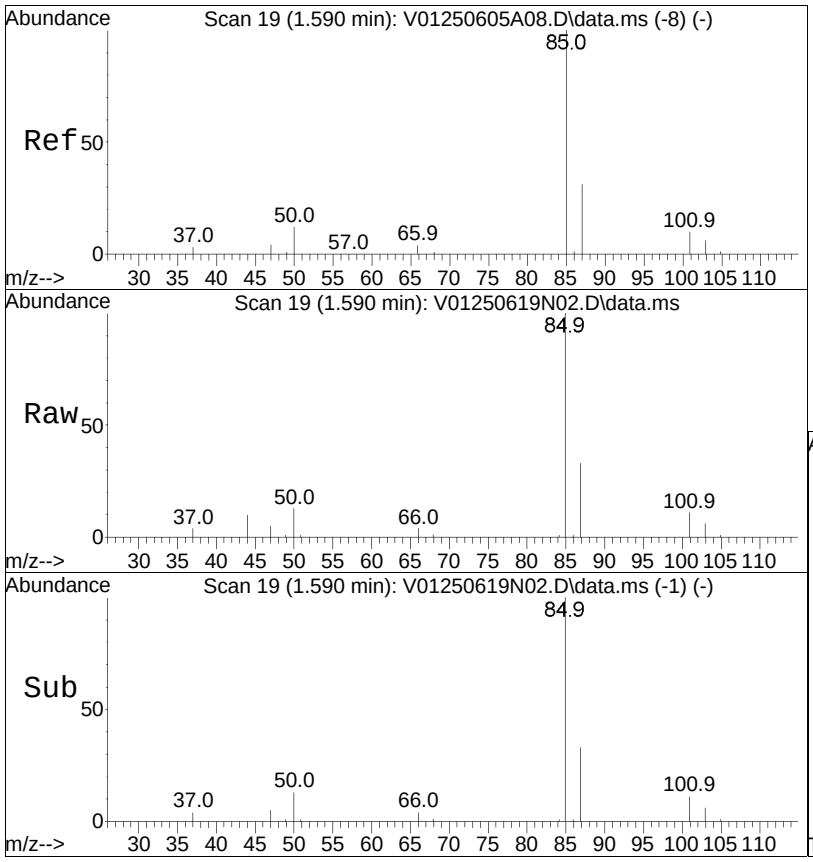
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Acq On : 19 Jun 2025 8:32 pm
Operator : VOA101:TMS
Sample : WG2081999-3,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 19 23:24:27 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

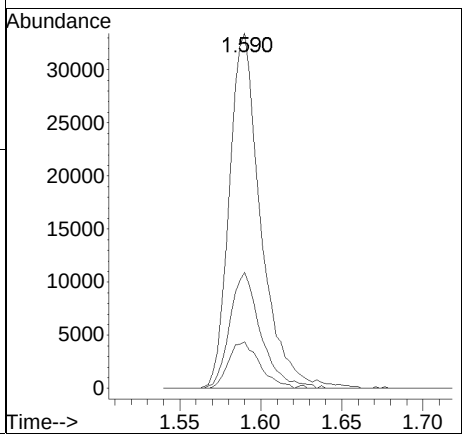


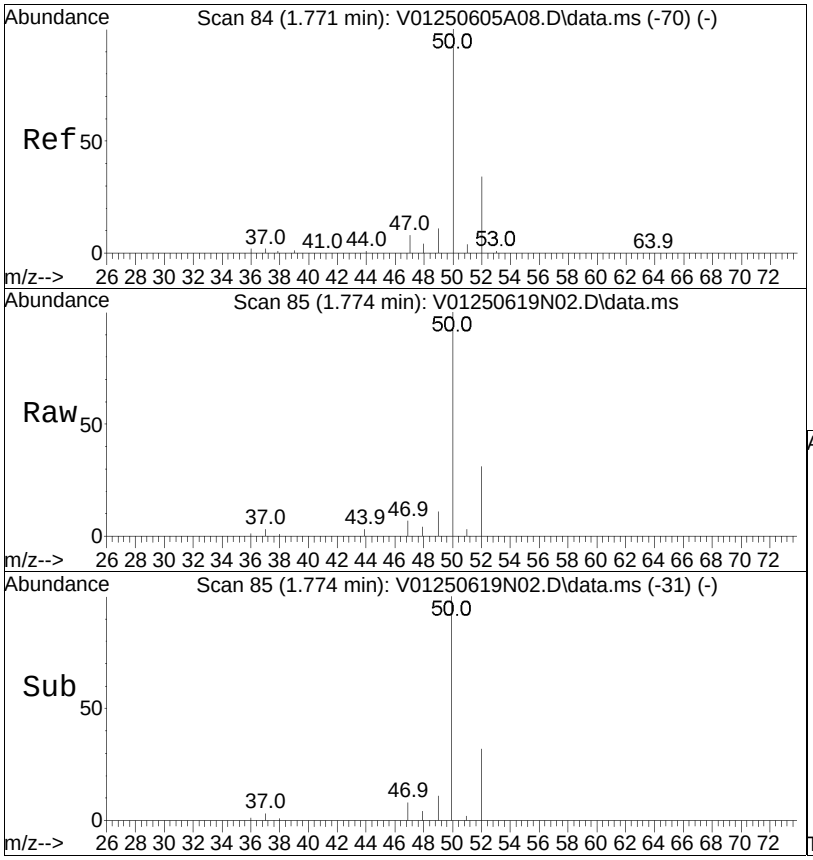


#2
Dichlorodifluoromethane
Concen: 7.28 ug/L
RT: 1.590 min Scan# 19
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 85 Resp: 45290

Ion	Ratio	Lower	Upper
85	100		
87	32.3	20.7	43.1
50	13.1	8.3	17.3

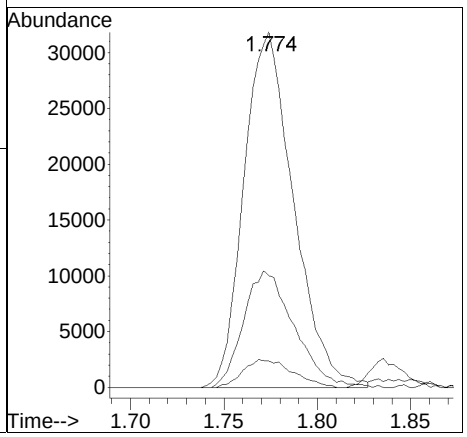


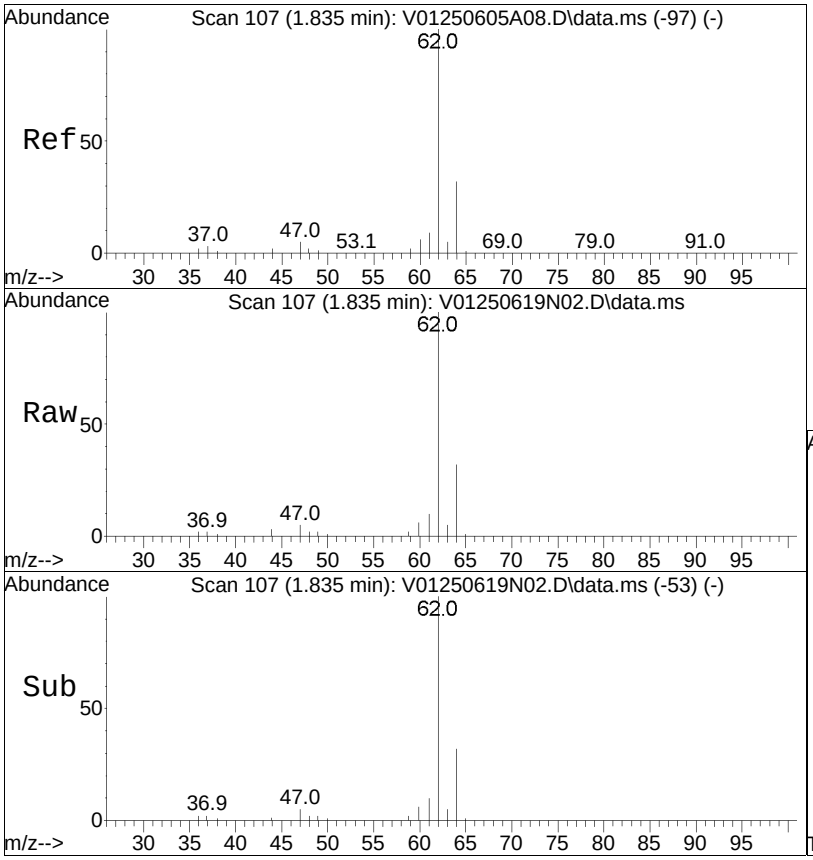


#3
Chloromethane
Concen: 7.92 ug/L
RT: 1.774 min Scan# 85
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 50 Resp: 58845

Ion	Ratio	Lower	Upper
50	100		
52	33.4	12.6	52.6
47	7.8	0.0	28.1

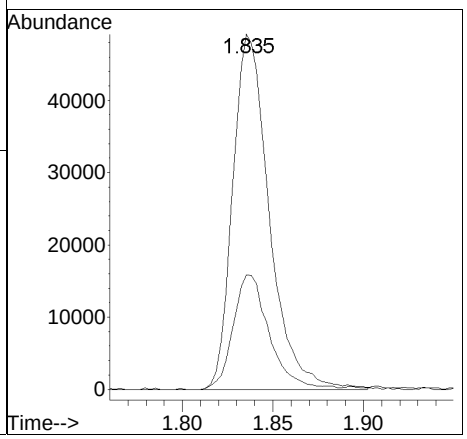


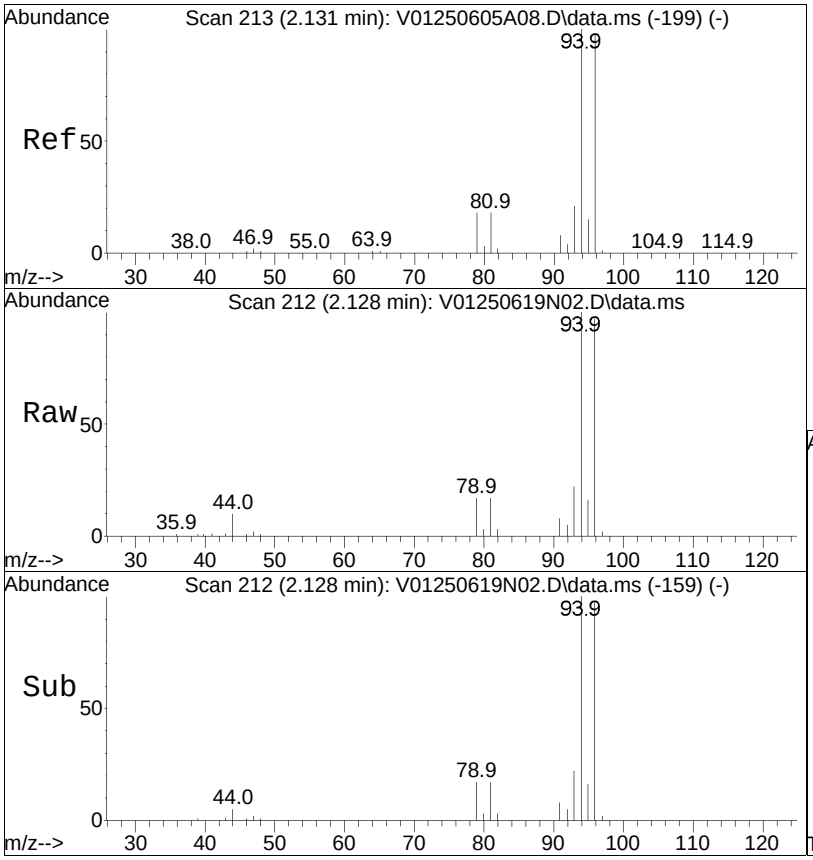


#4
Vinyl chloride
Concen: 9.04 ug/L
RT: 1.835 min Scan# 107
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 62 Resp: 68951

Ion	Ratio	Lower	Upper
62	100		
64	32.0	12.4	52.4

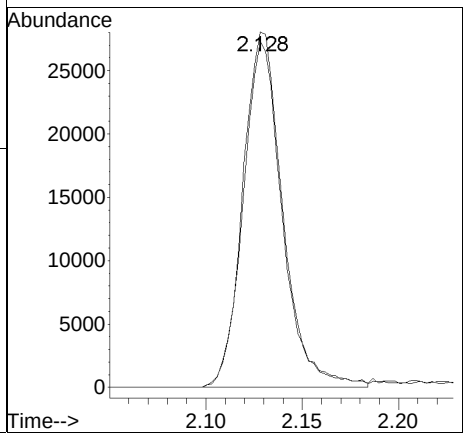


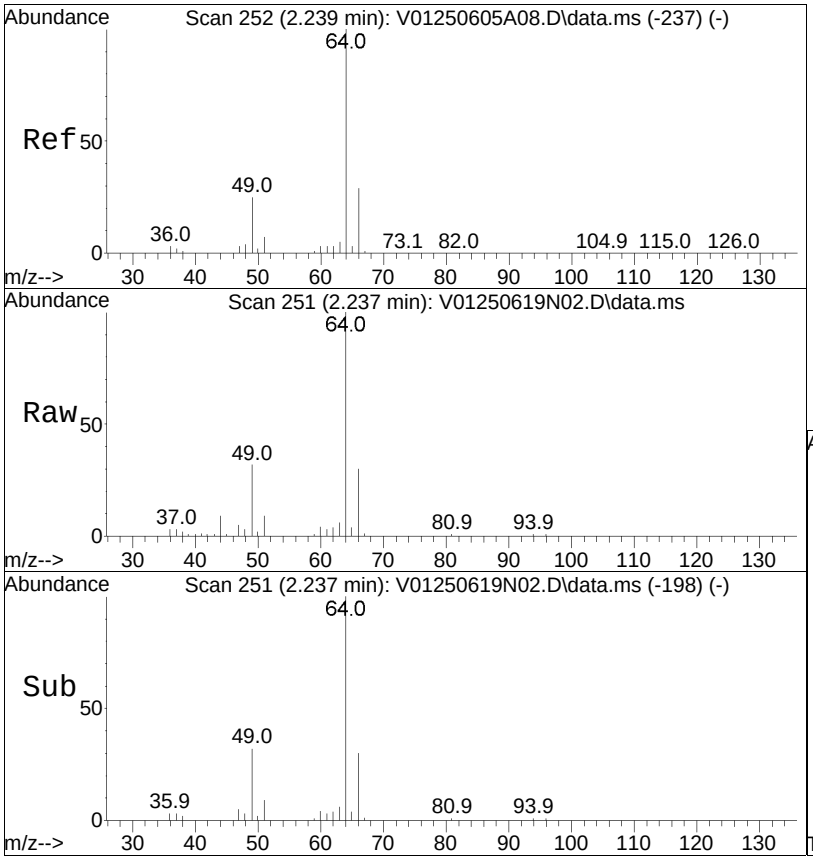


#5
Bromomethane
Concen: 7.69 ug/L
RT: 2.128 min Scan# 212
Delta R.T. -0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 94 Resp: 40538

Ion	Ratio	Lower	Upper
94	100		
96	95.3	76.1	116.1

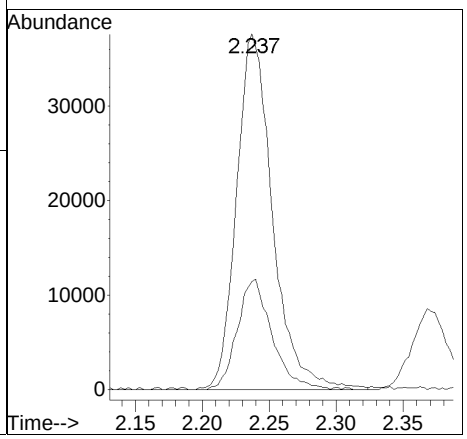


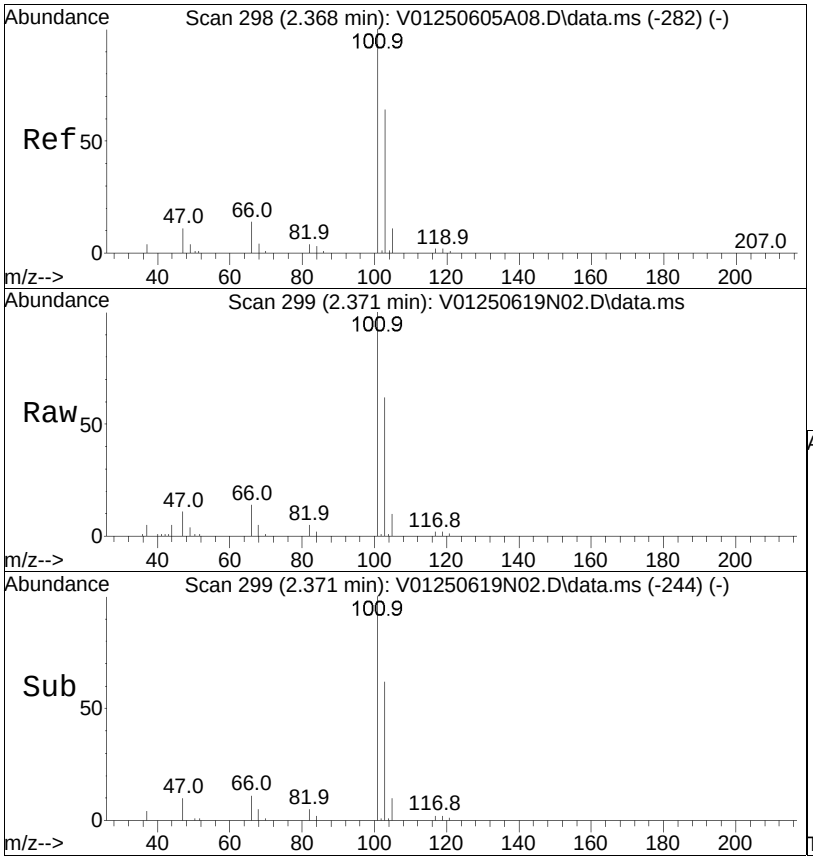


#6
Chloroethane
Concen: 12.03 ug/L
RT: 2.237 min Scan# 251
Delta R.T. -0.002 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 64 Resp: 70375

Ion	Ratio	Lower	Upper
64	100		
66	29.8	11.5	51.5

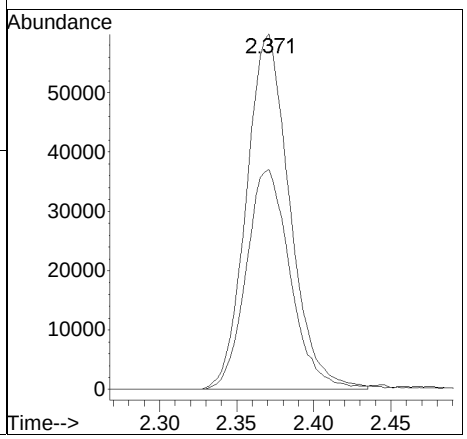


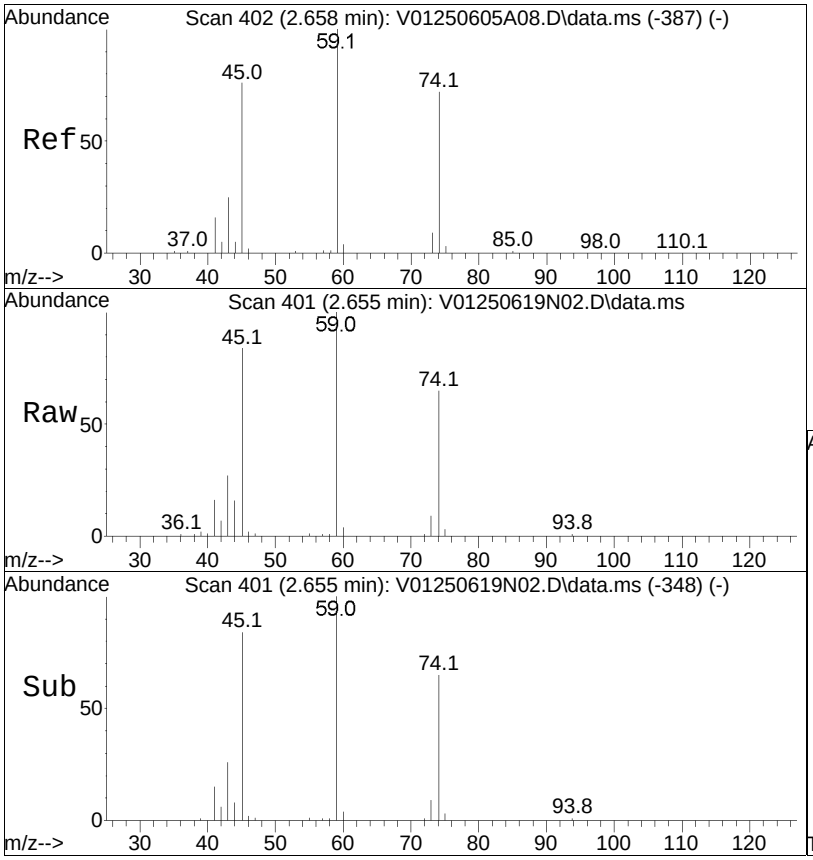


#7
Trichlorofluoromethane
Concen: 10.67 ug/L
RT: 2.371 min Scan# 299
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:101 Resp: 117258

Ion	Ratio	Lower	Upper
101	100		
103	63.3	52.2	78.2

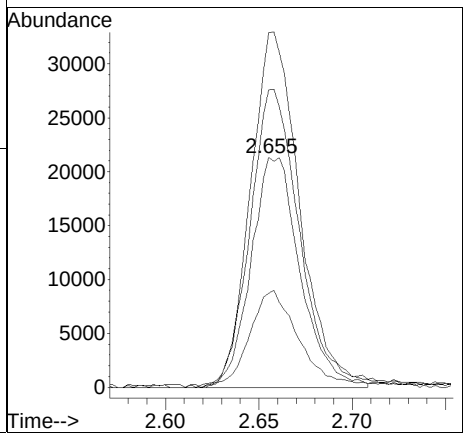


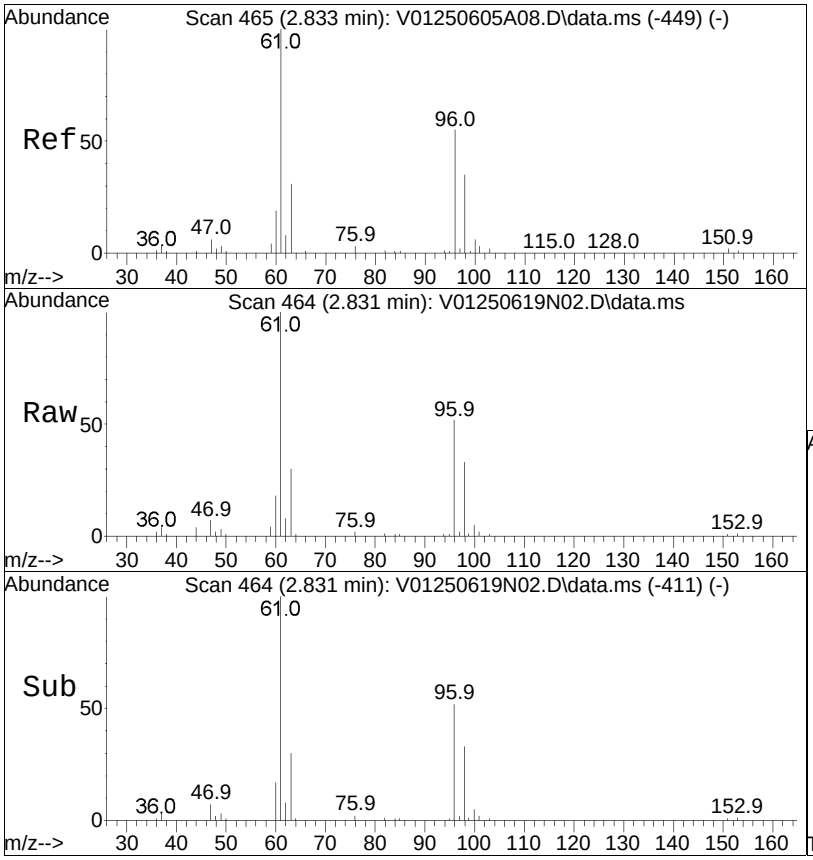


#8
Ethyl ether
Concen: 10.63 ug/L
RT: 2.655 min Scan# 401
Delta R.T. -0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 74 Resp: 39090

Ion	Ratio	Lower	Upper
74	100		
59	155.2	93.0	193.2
45	131.2	69.7	144.7
43	42.7	21.6	44.8

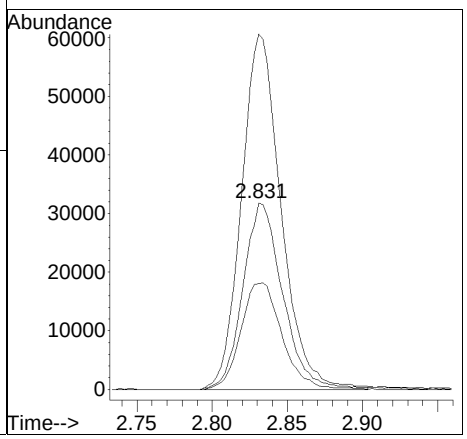


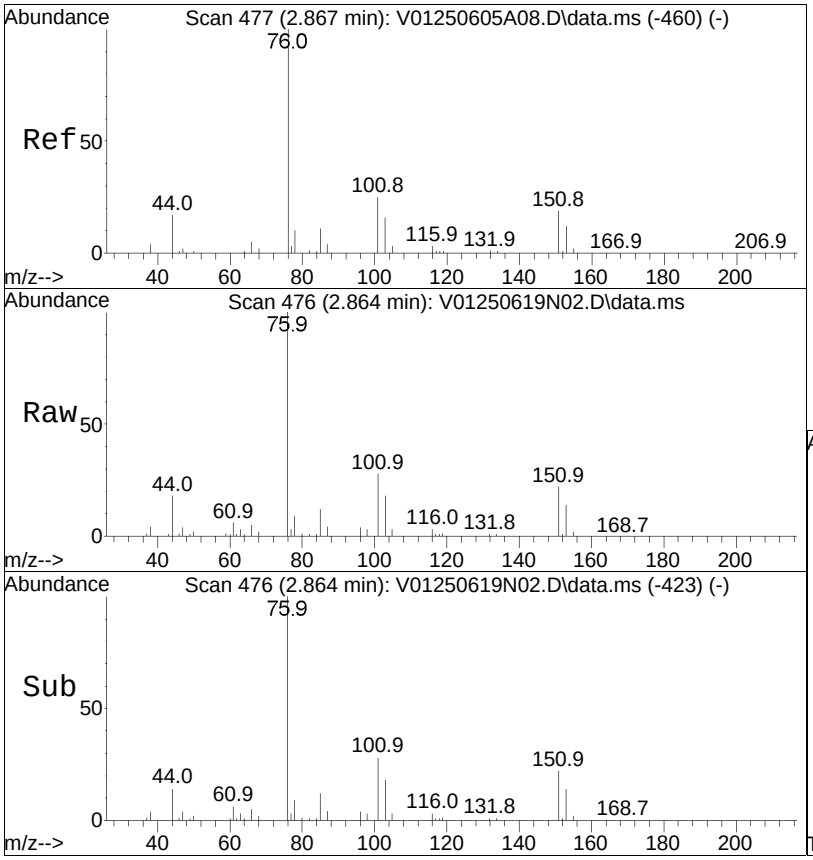


#10
1,1-Dichloroethene
Concen: 8.70 ug/L
RT: 2.831 min Scan# 464
Delta R.T. -0.002 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 96 Resp: 58521

Ion	Ratio	Lower	Upper
96	100		
61	189.6	142.6	214.0
63	58.6	45.5	68.3

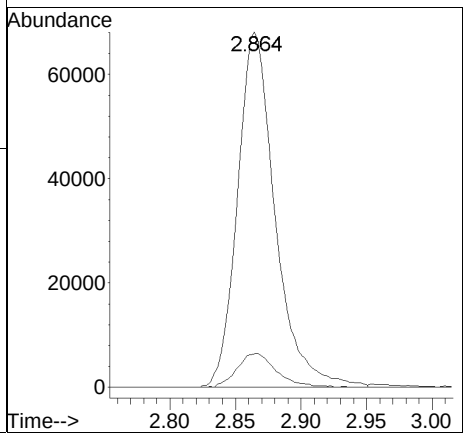


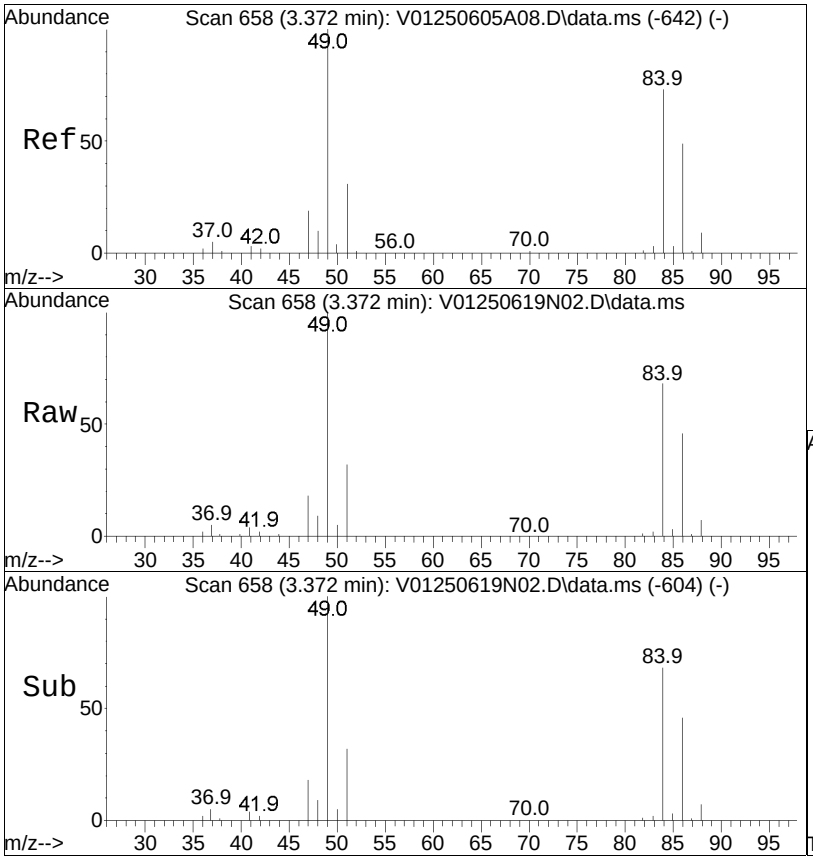


#11
Carbon disulfide
Concen: 6.87 ug/L
RT: 2.864 min Scan# 476
Delta R.T. -0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 76 Resp: 136561

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.6	13.8

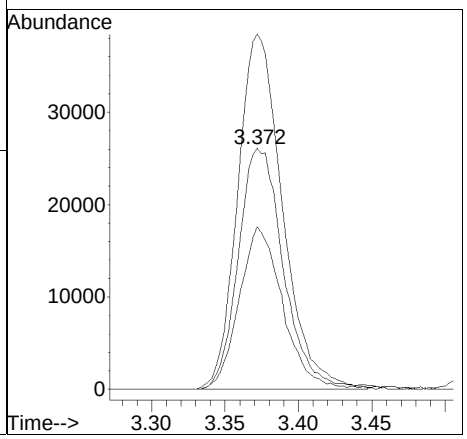


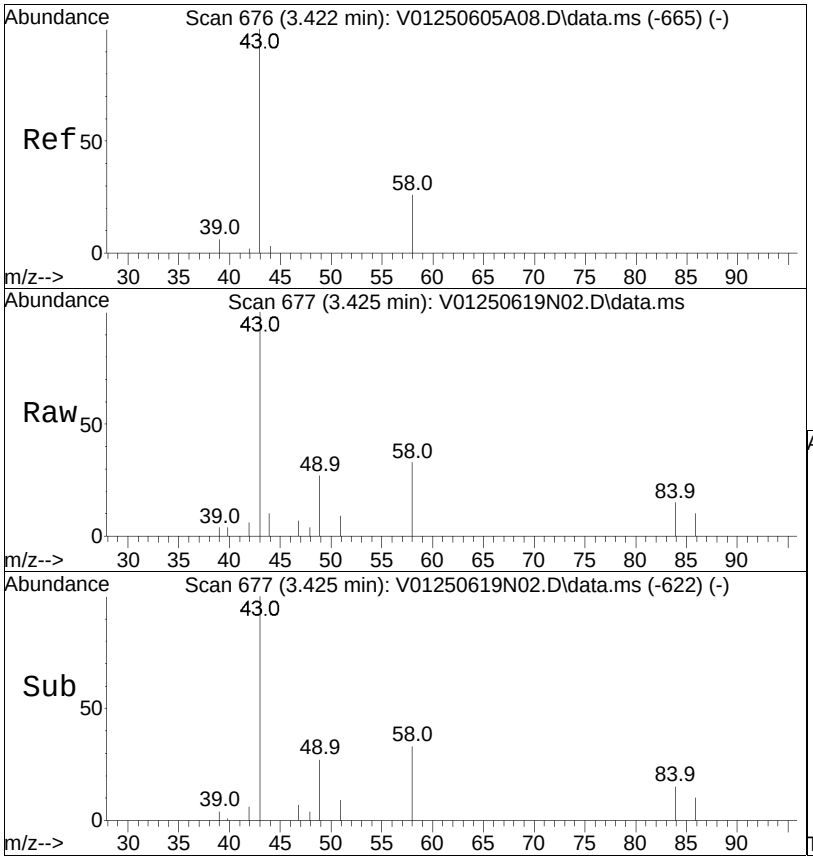


#15
Methylene chloride
Concen: 9.17 ug/L
RT: 3.372 min Scan# 658
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 84 Resp: 55880

Ion	Ratio	Lower	Upper
84	100		
86	64.8	42.3	87.8
49	146.0	87.1	180.9

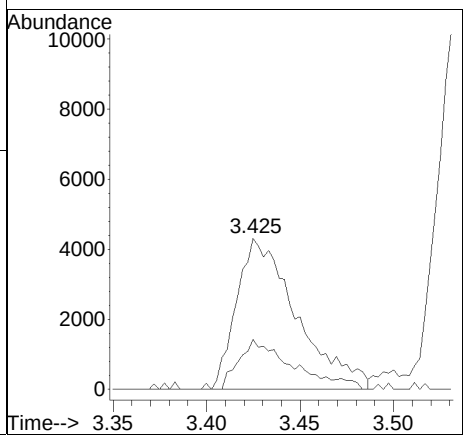


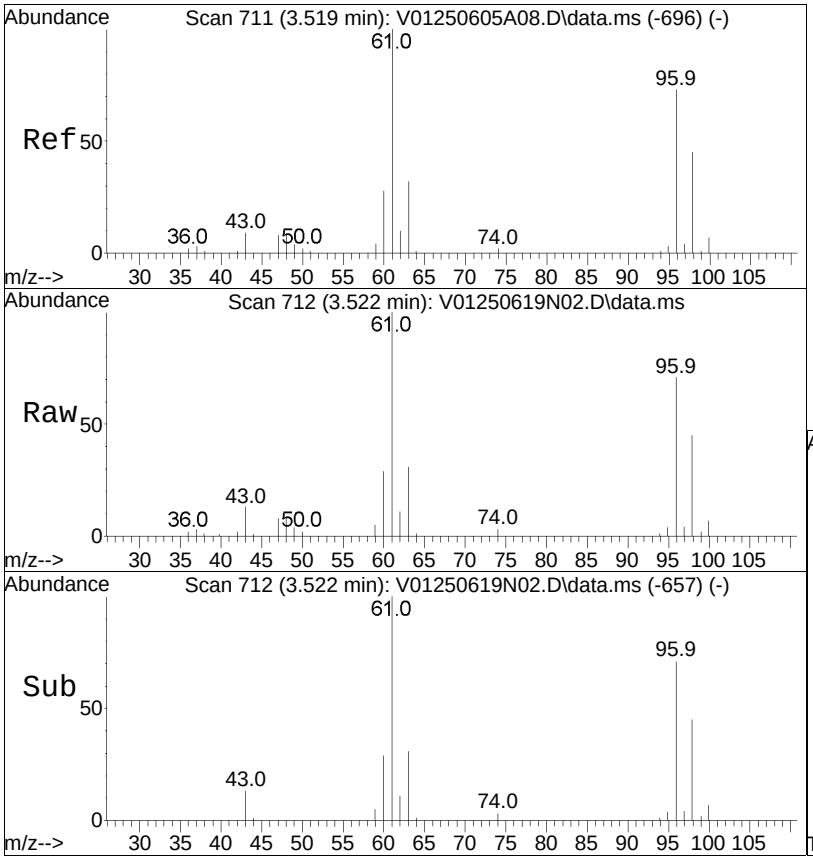


#17
Acetone
Concen: 10.17 ug/L
RT: 3.425 min Scan# 677
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 43 Resp: 9699

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0

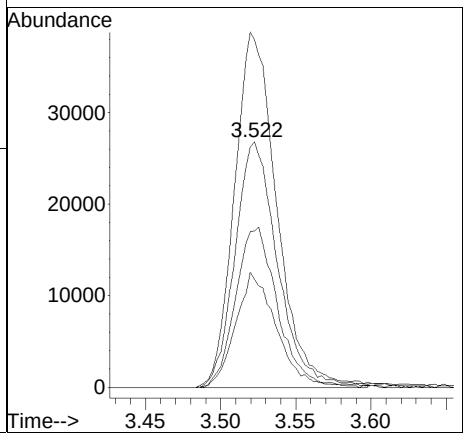


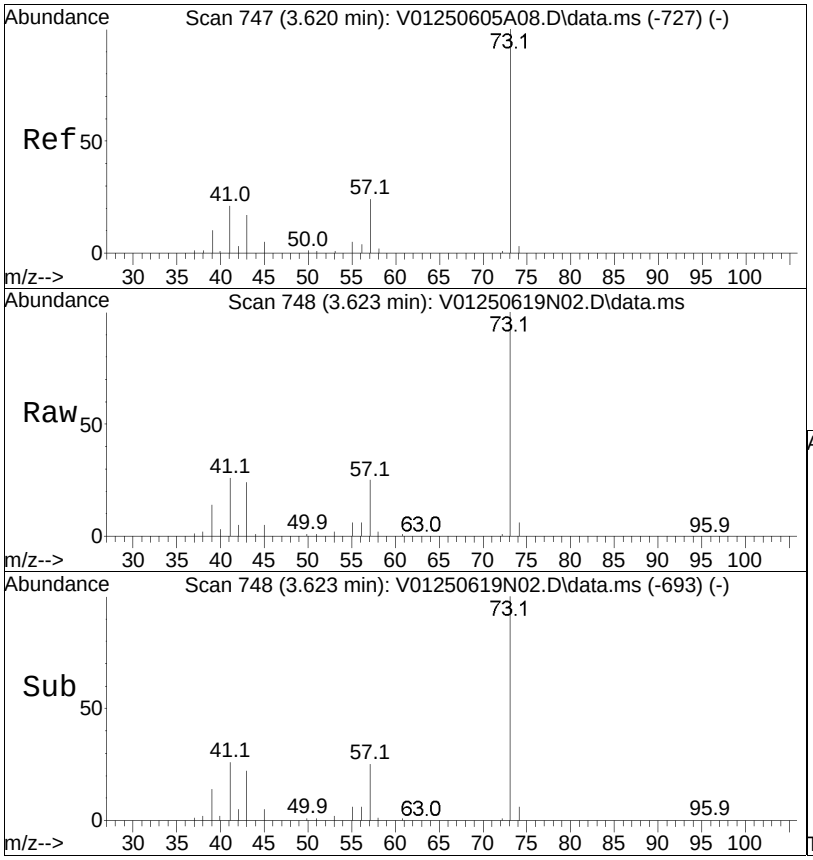


#18
trans-1,2-Dichloroethene
Concen: 8.63 ug/L
RT: 3.522 min Scan# 712
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 96 Resp: 53058

Ion	Ratio	Lower	Upper
96	100		
61	144.5	92.2	191.6
98	64.6	41.5	86.3
63	44.7	28.9	60.1

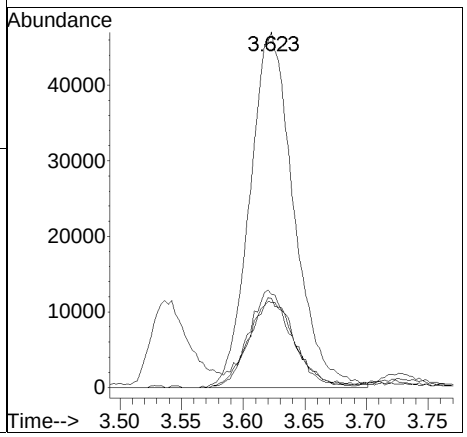


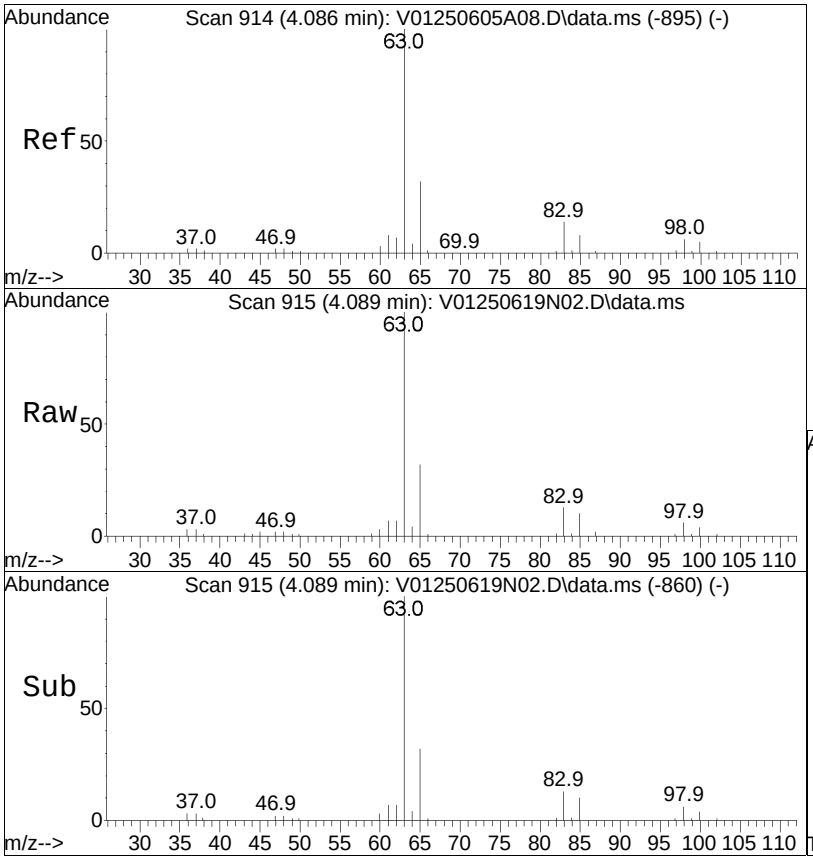


#20
Methyl tert-butyl ether
Concen: 8.32 ug/L
RT: 3.623 min Scan# 748
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 73 Resp: 116585

Ion	Ratio	Lower	Upper
73	100		
57	25.2	15.7	32.5
43	22.8	14.4	29.8
41	28.0	13.8	28.6

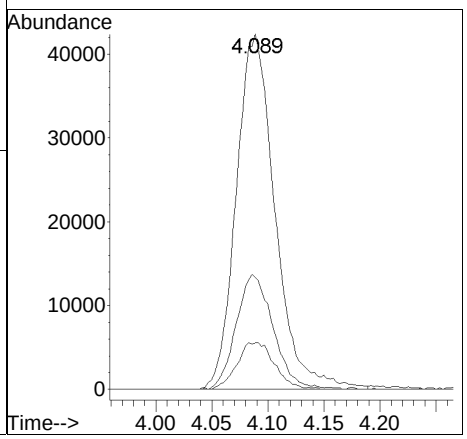


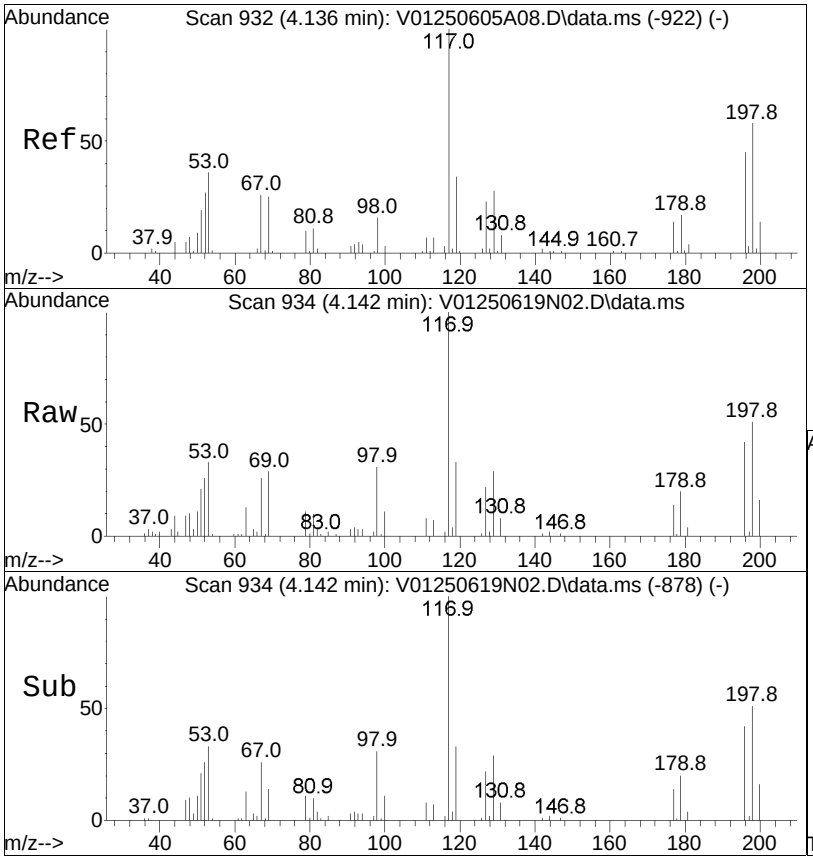


#23
1,1-Dichloroethane
Concen: 9.28 ug/L
RT: 4.089 min Scan# 915
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 63 Resp: 102162

Ion	Ratio	Lower	Upper
63	100		
65	31.0	11.6	51.6
83	12.7	0.0	33.3

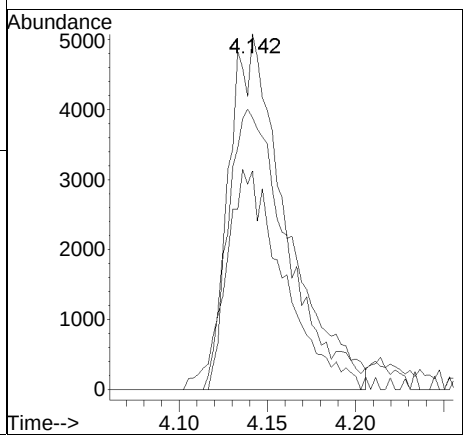


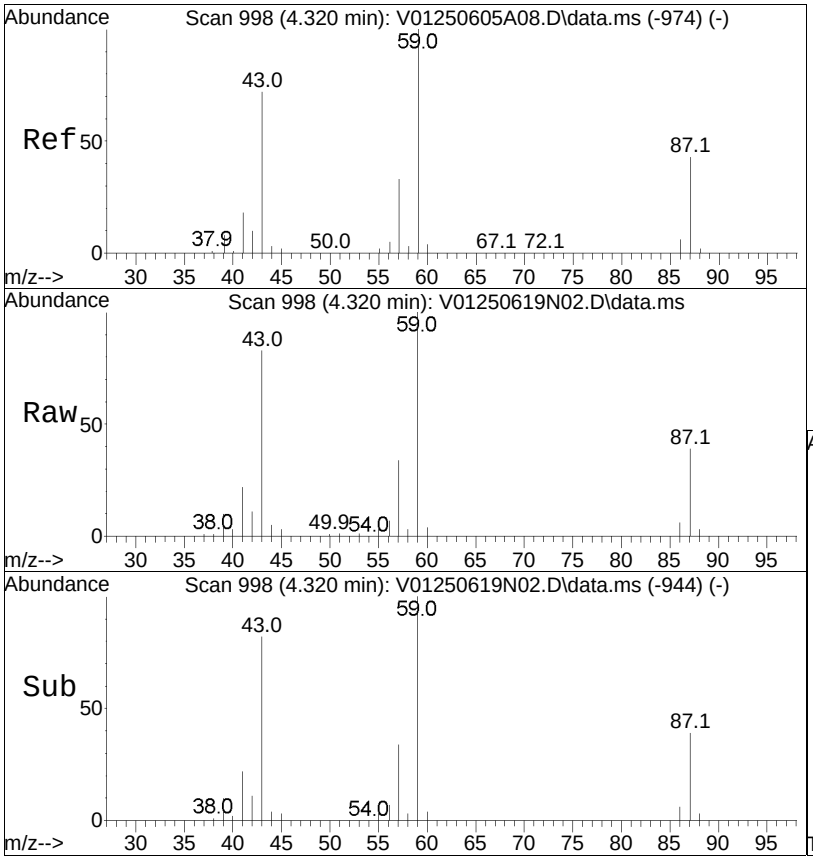


#25
Acrylonitrile
Concen: 9.84 ug/L M1
RT: 4.142 min Scan# 934
Delta R.T. 0.006 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 53 Resp: 11541

Ion	Ratio	Lower	Upper
53	100		
52	77.7	68.2	102.4
51	62.5	52.3	78.5

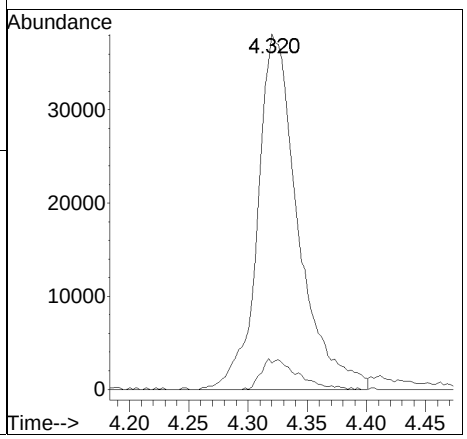


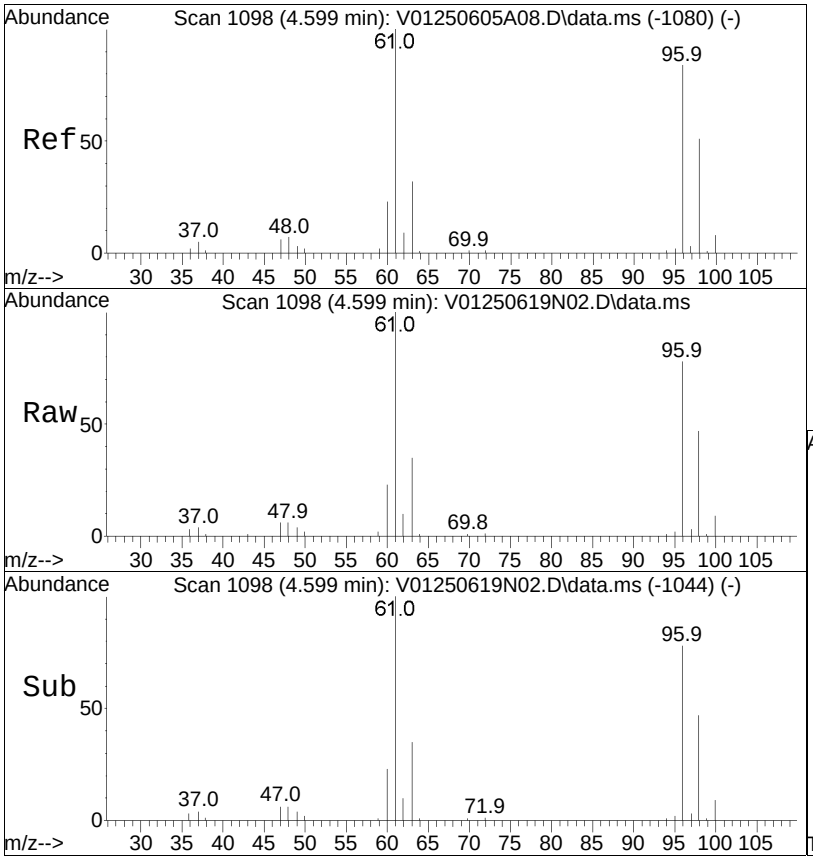


#27
Vinyl acetate
Concen: 11.61 ug/L
RT: 4.320 min Scan# 998
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 43 Resp: 90479

Ion	Ratio	Lower	Upper
43	100		
86	2.5	6.8	10.2#

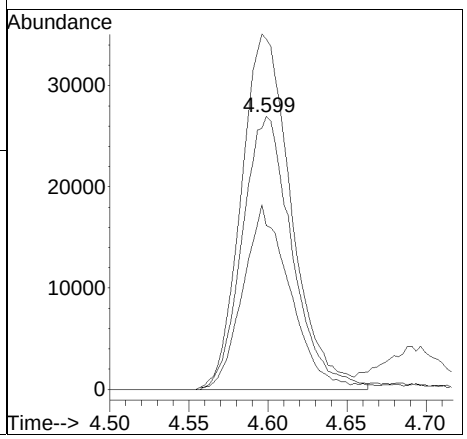


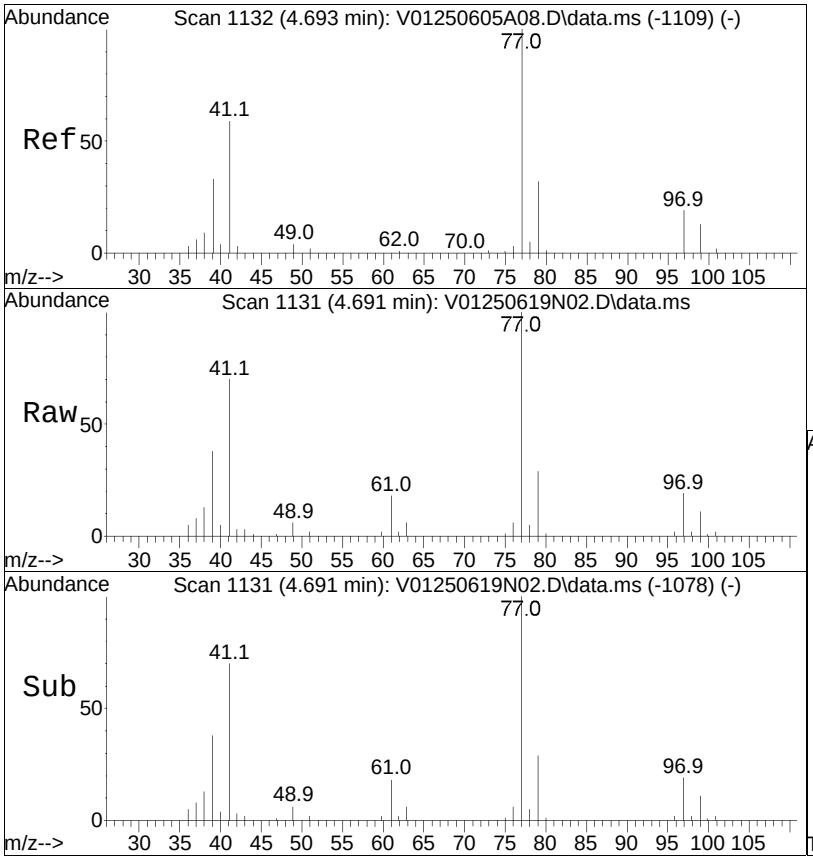


#28
cis-1,2-Dichloroethene
Concen: 8.82 ug/L
RT: 4.599 min Scan# 1098
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 96 Resp: 59098

Ion	Ratio	Lower	Upper
96	100		
61	130.8	99.3	148.9
98	64.6	50.5	75.7

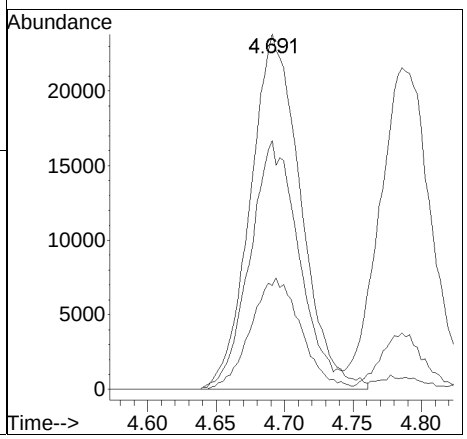


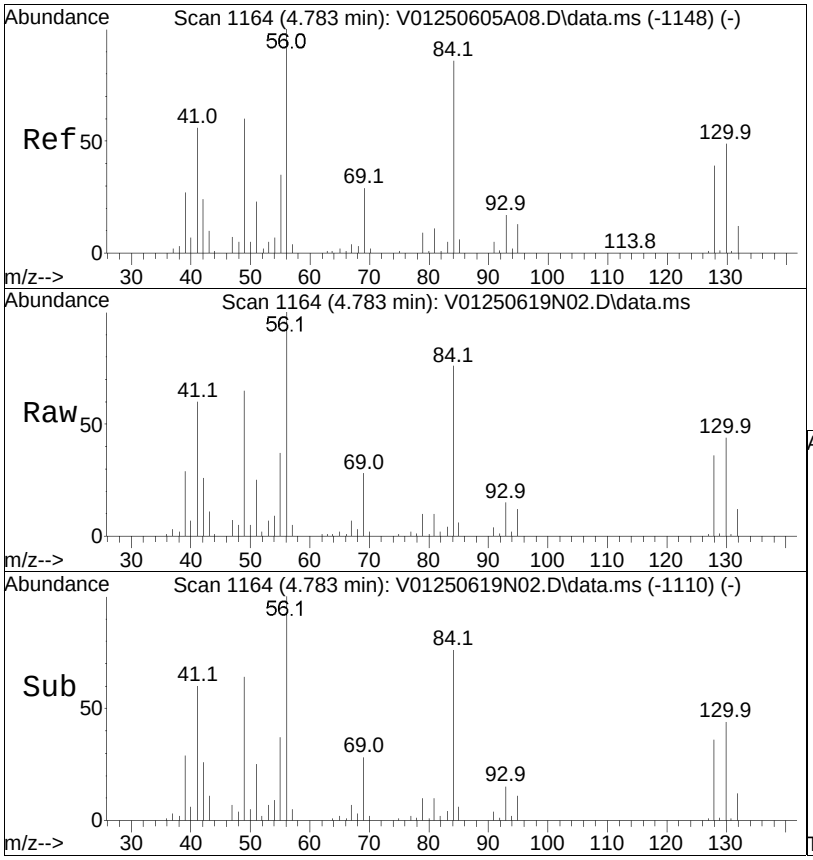


#29
2,2-Dichloropropane
Concen: 7.28 ug/L
RT: 4.691 min Scan# 1131
Delta R.T. -0.002 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 77 Resp: 60906

Ion	Ratio	Lower	Upper
77	100		
41	68.5	37.4	77.8
79	31.4	21.3	44.1

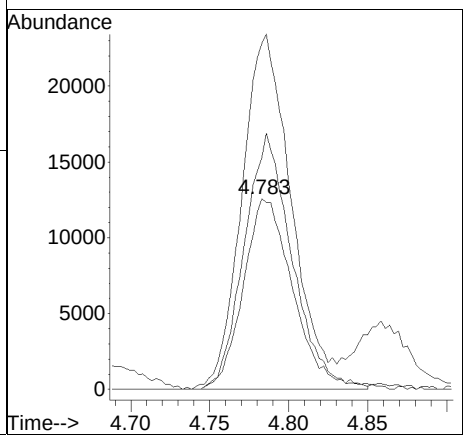


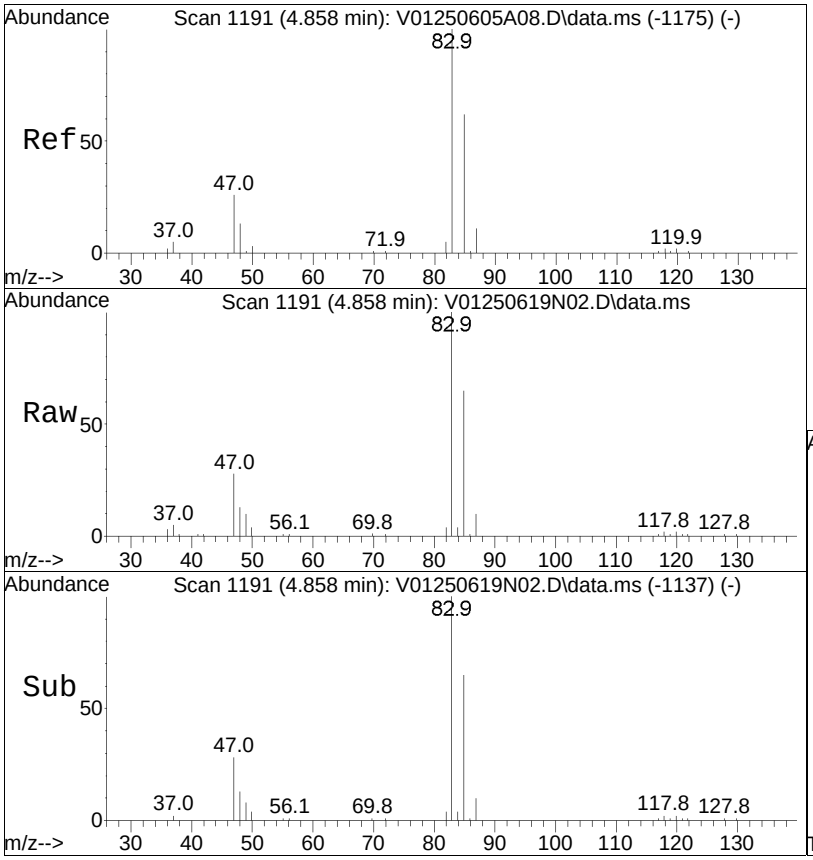


#30
Bromochloromethane
Concen: 9.13 ug/L
RT: 4.783 min Scan# 1164
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:128 Resp: 27512

Ion	Ratio	Lower	Upper
128	100		
49	185.5	125.2	187.8
130	129.6	103.0	154.6

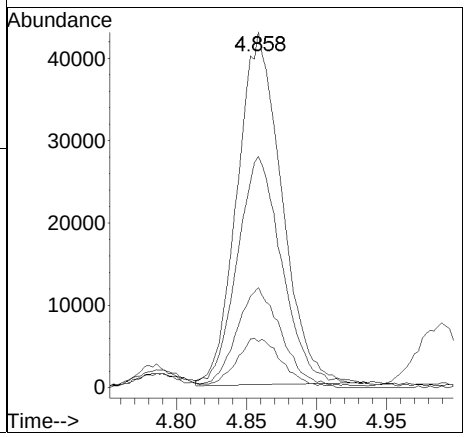


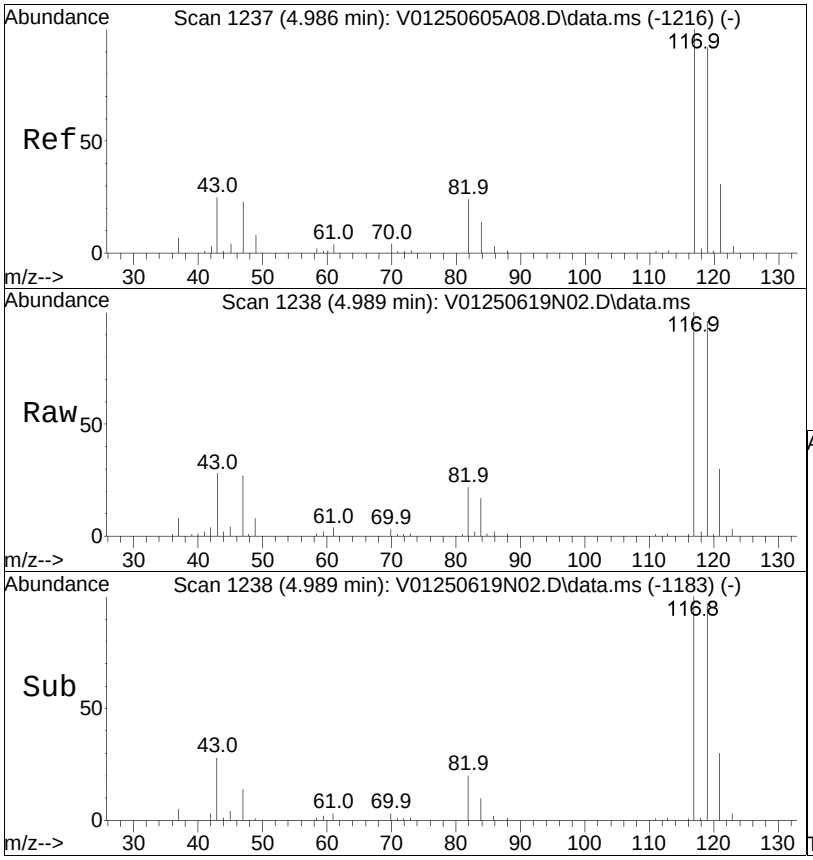


#32
Chloroform
Concen: 9.13 ug/L
RT: 4.858 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 83 Resp: 94693

Ion	Ratio	Lower	Upper
83	100		
85	66.2	42.8	88.8
47	27.4	16.5	34.3
48	14.3	9.2	19.0

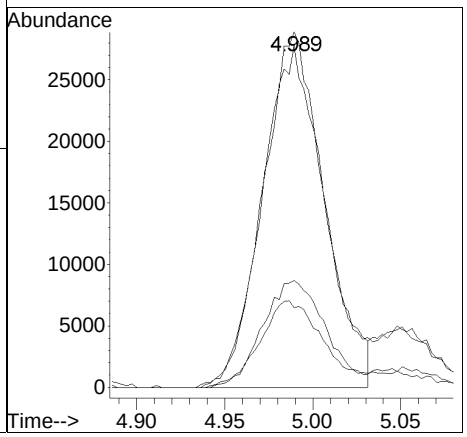


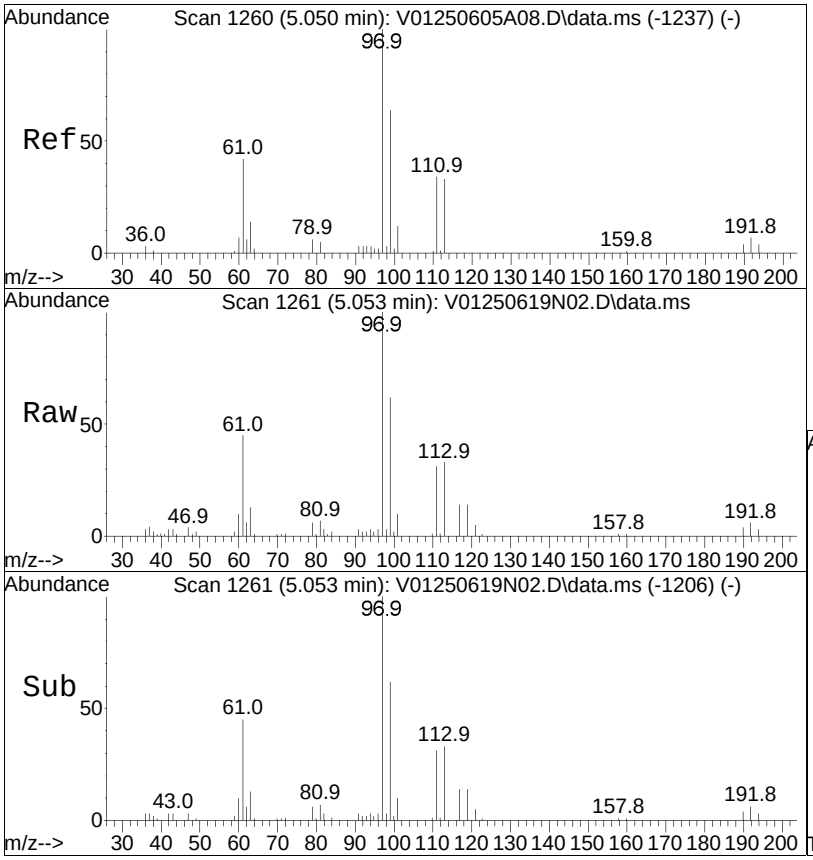


#34
Carbon tetrachloride
Concen: 8.48 ug/L
RT: 4.989 min Scan# 1238
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:117 Resp: 70411

Ion	Ratio	Lower	Upper
117	100		
119	97.6	61.4	127.6
121	30.6	20.1	41.7
82	25.1	16.1	33.3

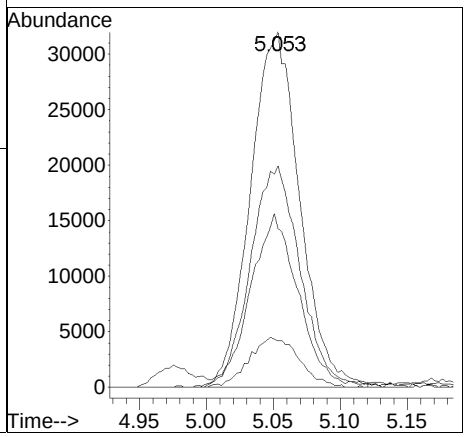


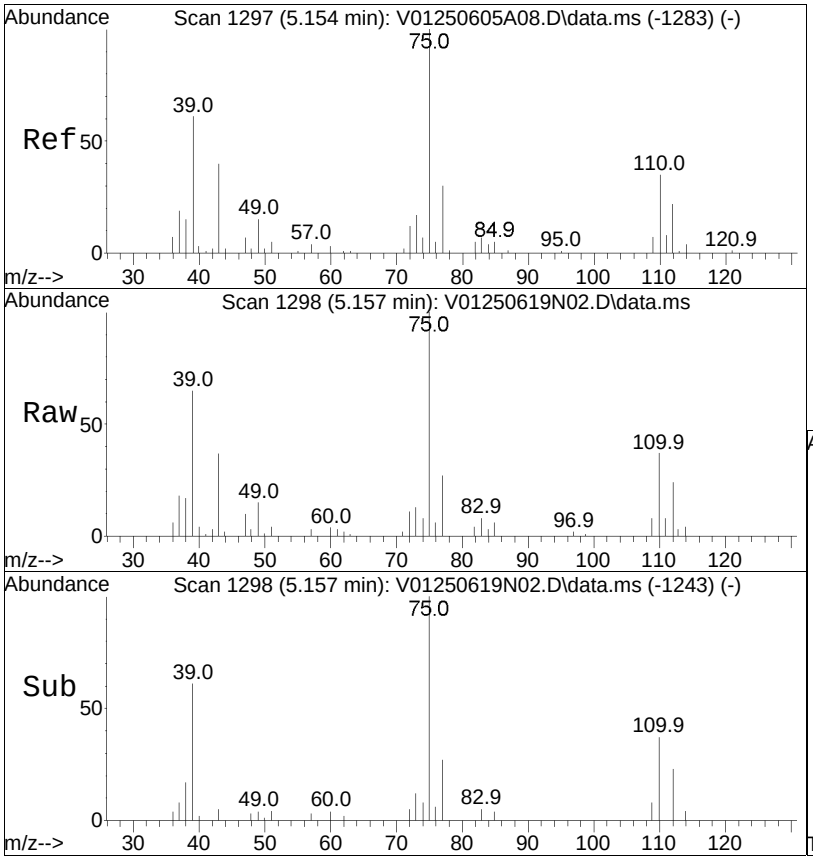


#37
1,1,1-Trichloroethane
Concen: 8.95 ug/L
RT: 5.053 min Scan# 1261
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 97 Resp: 82260

Ion	Ratio	Lower	Upper
97	100		
99	62.9	41.6	86.4
61	45.2	28.5	59.3
63	14.3	9.4	19.4

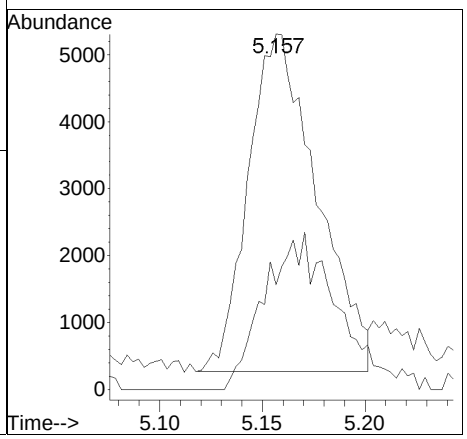


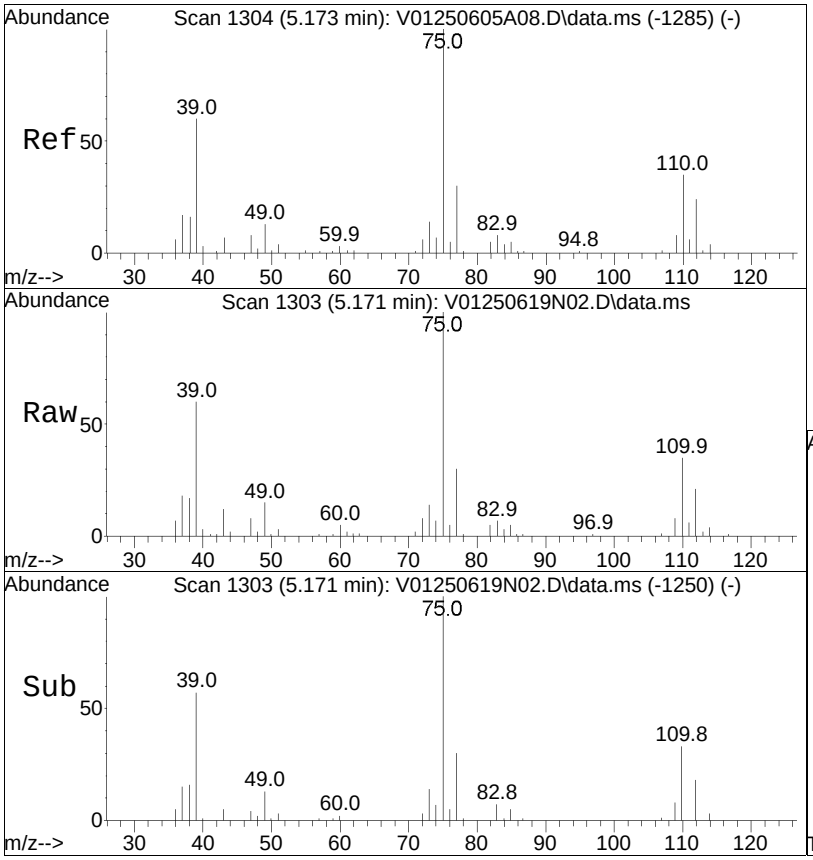


#39
2-Butanone
Concen: 9.06 ug/L
RT: 5.157 min Scan# 1298
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 43 Resp: 11739

Ion	Ratio	Lower	Upper
43	100		
72	48.1	41.4	62.2

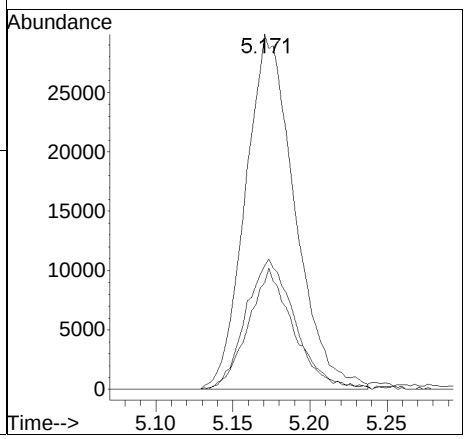


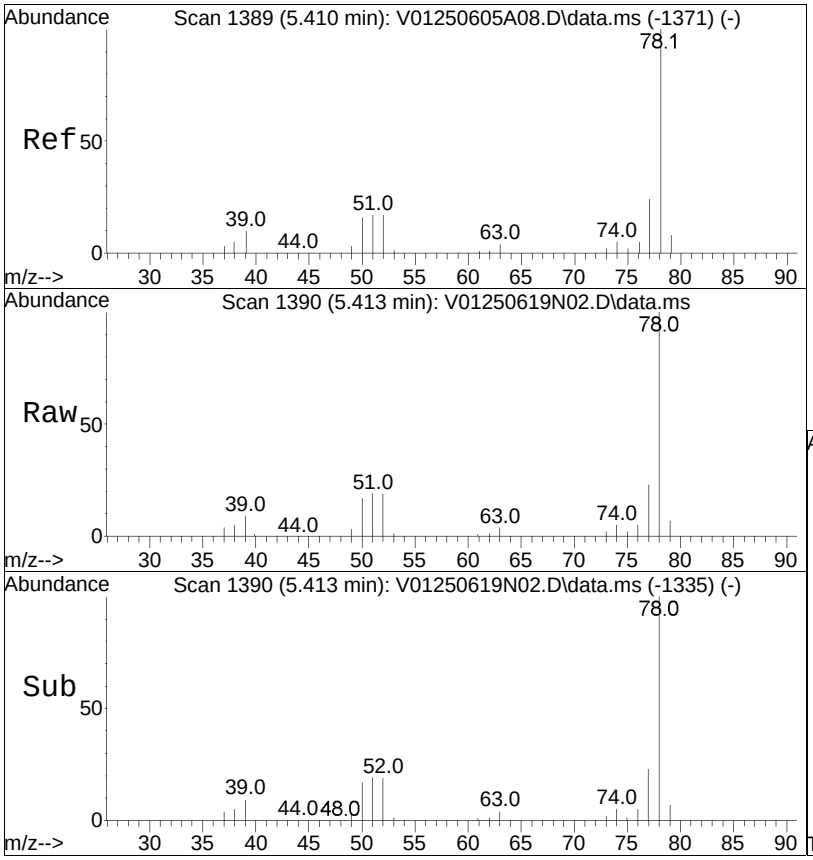


#40
1,1-Dichloropropene
Concen: 8.80 ug/L
RT: 5.171 min Scan# 1303
Delta R.T. -0.002 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 75 Resp: 66514

Ion	Ratio	Lower	Upper
75	100		
110	36.8	23.9	49.5
77	31.2	20.1	41.7

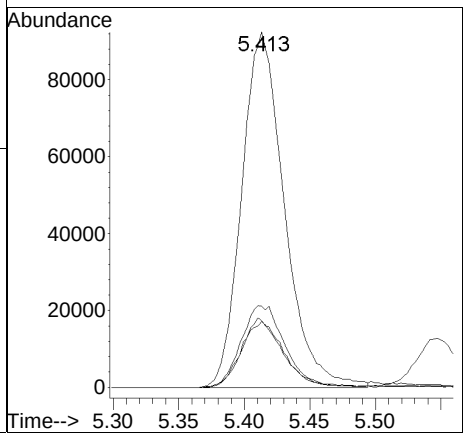


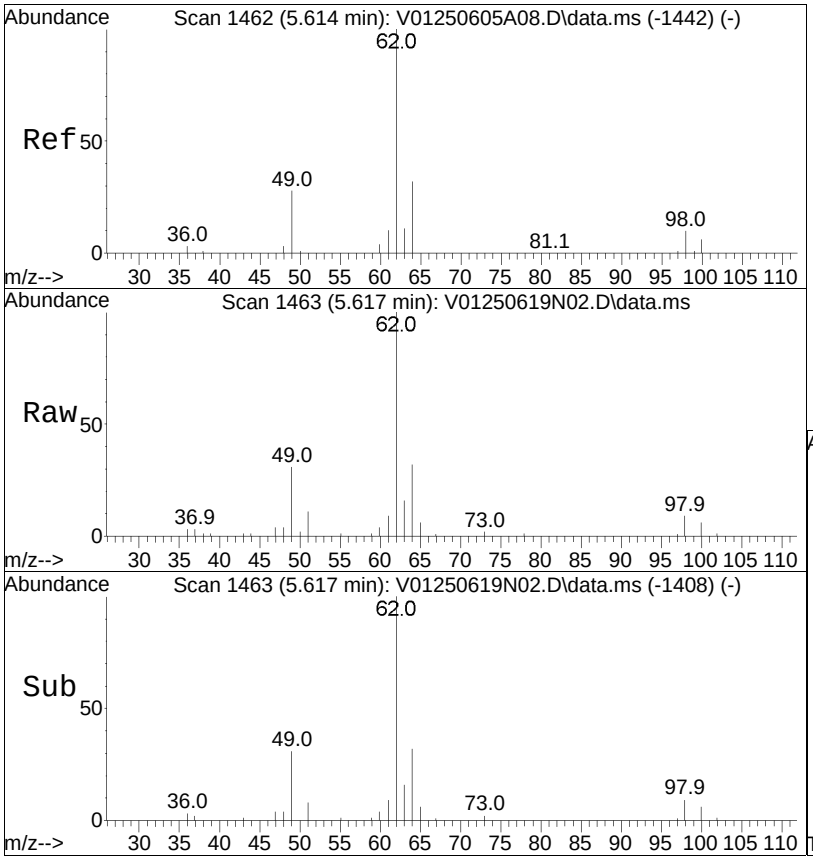


#41
Benzene
Concen: 9.18 ug/L
RT: 5.413 min Scan# 1390
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 78 Resp: 209170

Ion	Ratio	Lower	Upper
78	100		
77	23.8	15.6	32.4
51	19.1	11.7	24.3
52	18.4	10.9	22.5

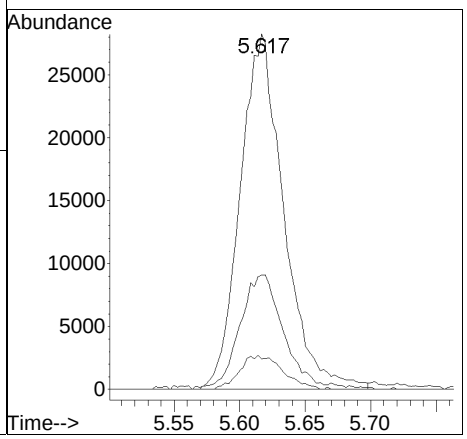


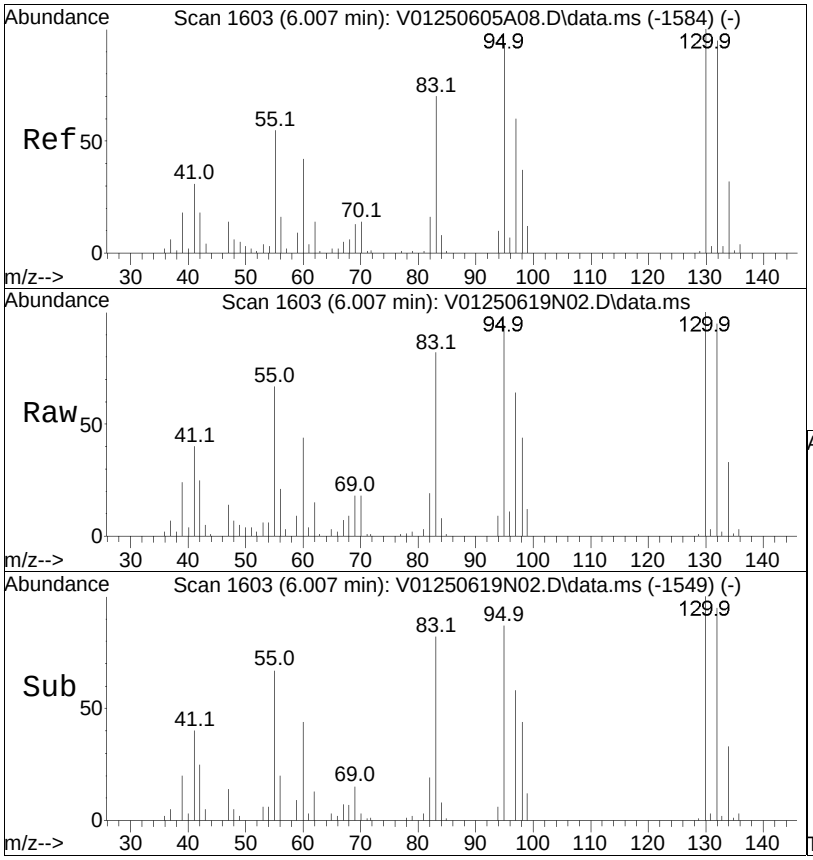


#44
1,2-Dichloroethane
Concen: 9.70 ug/L
RT: 5.617 min Scan# 1463
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 62 Resp: 65395

Ion	Ratio	Lower	Upper
62	100		
64	32.0	10.1	50.1
98	3.6	0.0	29.7

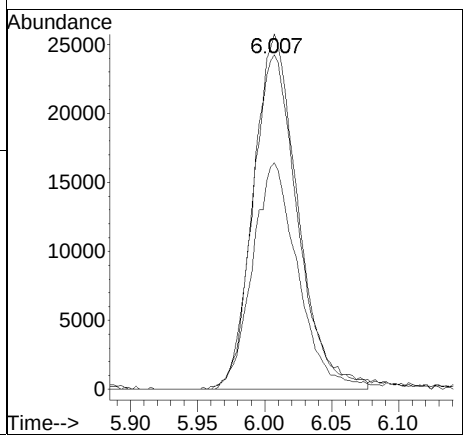


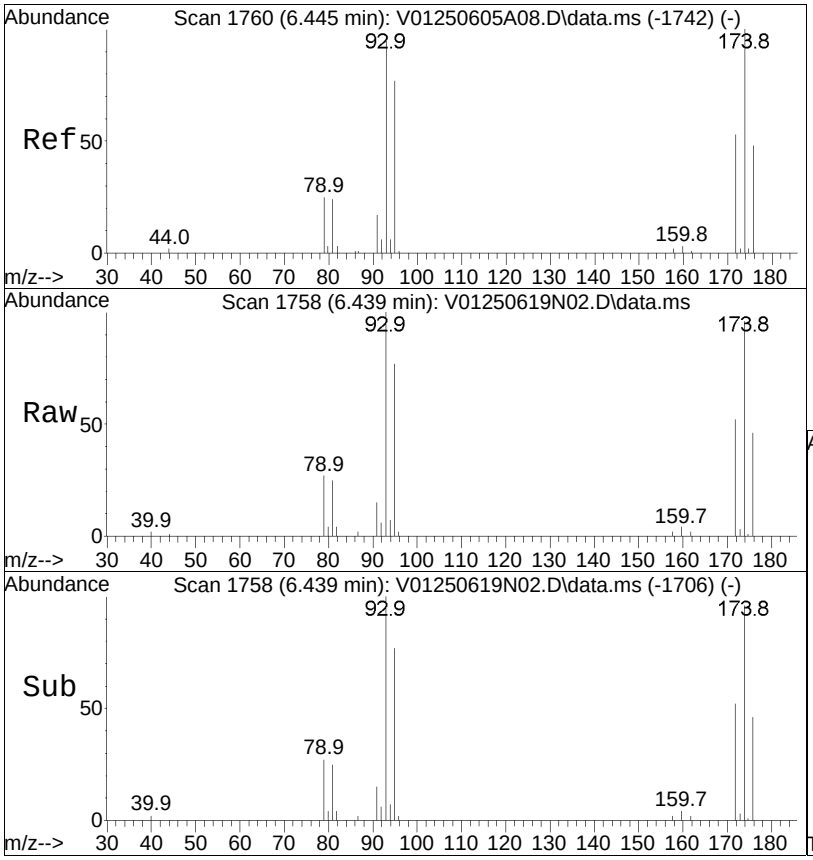


#48
Trichloroethene
Concen: 8.70 ug/L
RT: 6.007 min Scan# 1603
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 95 Resp: 56996

Ion	Ratio	Lower	Upper
95	100		
97	68.3	54.0	81.0
130	105.1	85.0	127.6

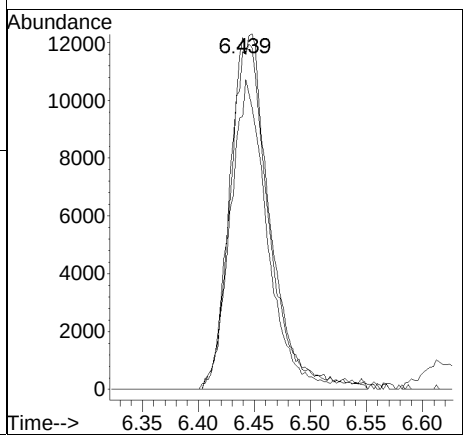


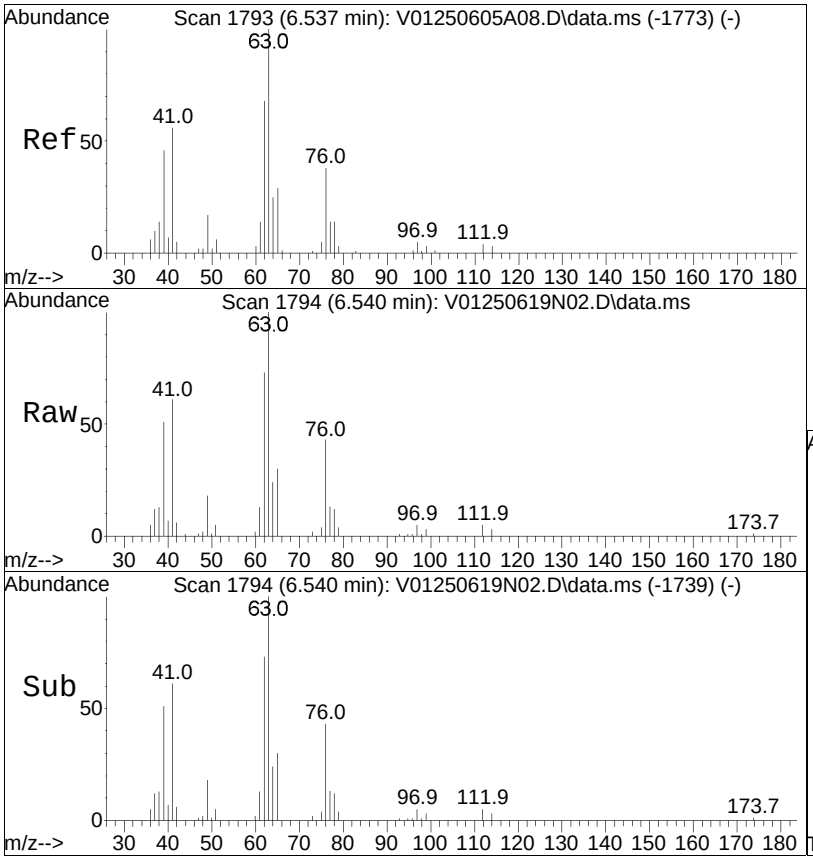


#50
Dibromomethane
Concen: 9.36 ug/L
RT: 6.439 min Scan# 1758
Delta R.T. -0.006 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 93 Resp: 29788

Ion	Ratio	Lower	Upper
93	100		
95	82.4	68.2	102.2
174	99.0	90.3	135.5

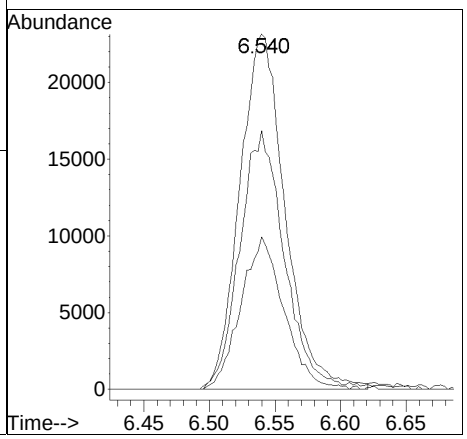


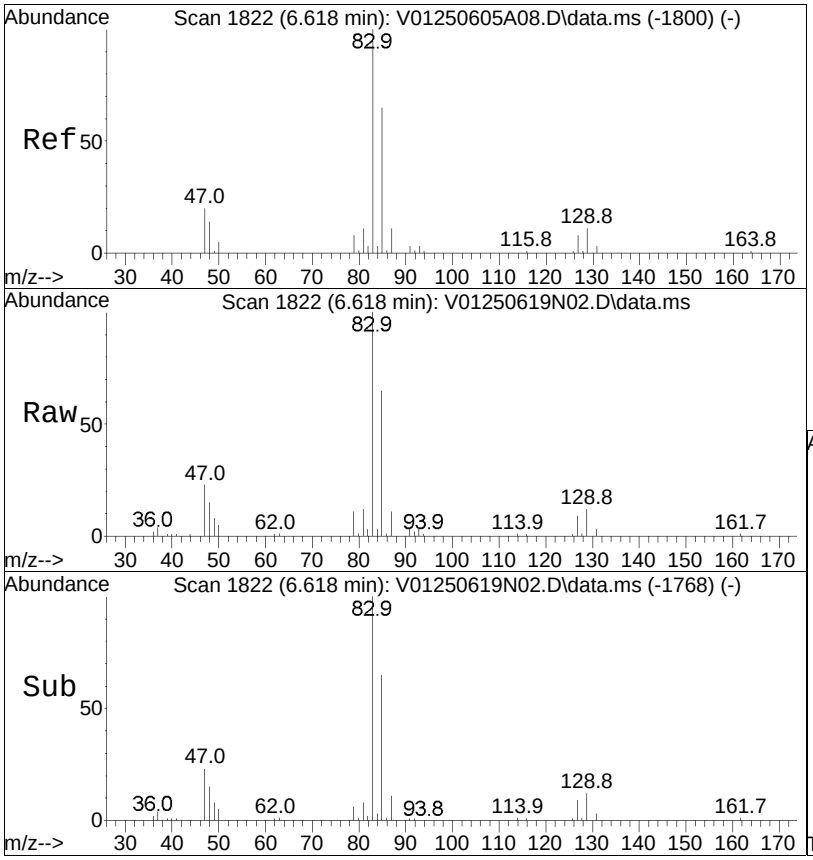


#51
1,2-Dichloropropane
Concen: 9.15 ug/L
RT: 6.540 min Scan# 1794
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 63 Resp: 55812

Ion	Ratio	Lower	Upper
63	100		
62	71.1	57.2	85.8
76	40.9	32.7	49.1

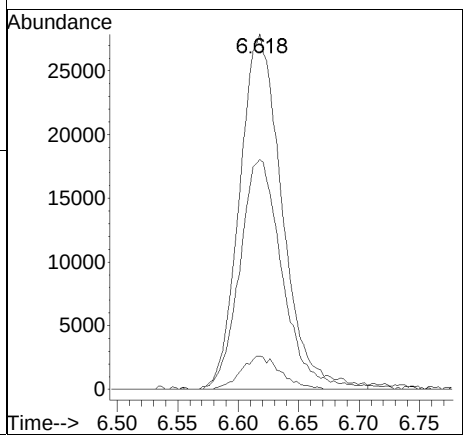


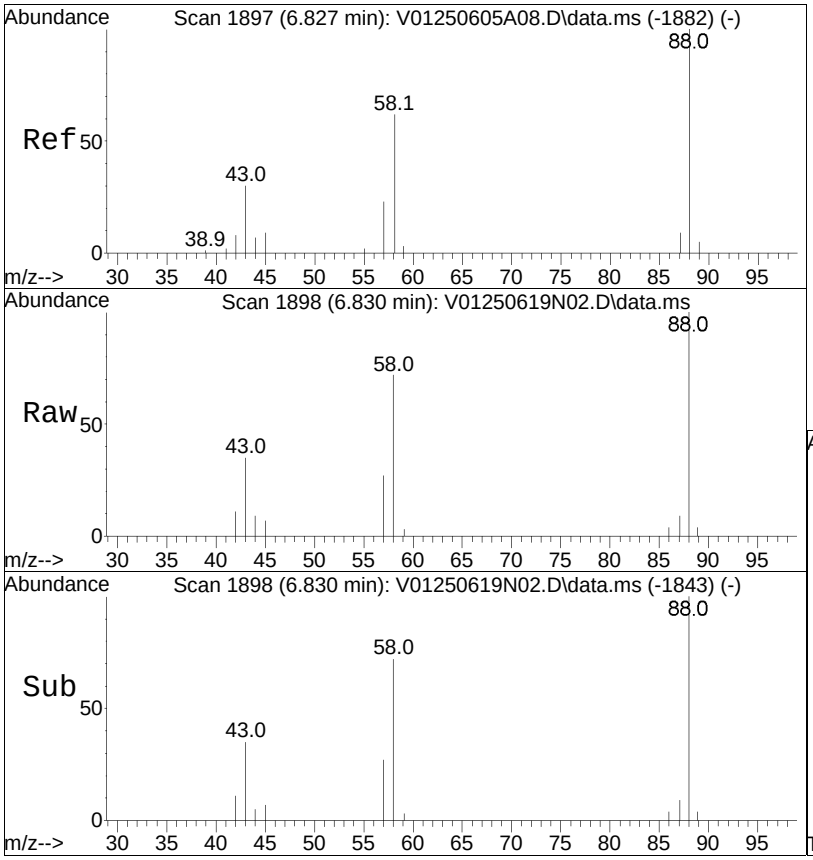


#54
Bromodichloromethane
Concen: 8.59 ug/L
RT: 6.618 min Scan# 1822
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 83 Resp: 68427

Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.6	77.4
127	8.8	7.1	10.7

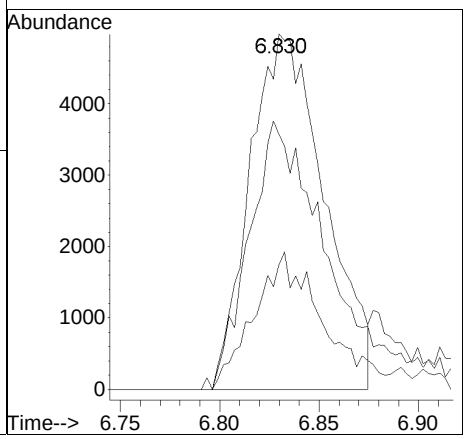


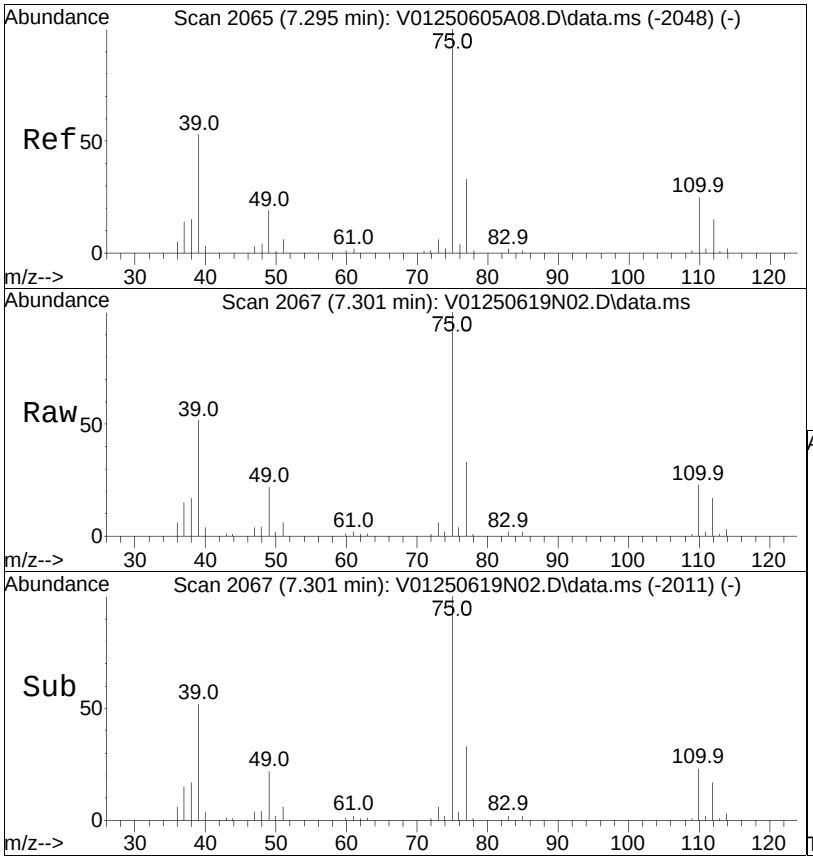


#57
1,4-Dioxane
Concen: 436.38 ug/L
RT: 6.830 min Scan# 1898
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 88 Resp: 13039

Ion	Ratio	Lower	Upper
88	100		
58	77.7	52.4	78.6
43	35.2	22.1	33.1#

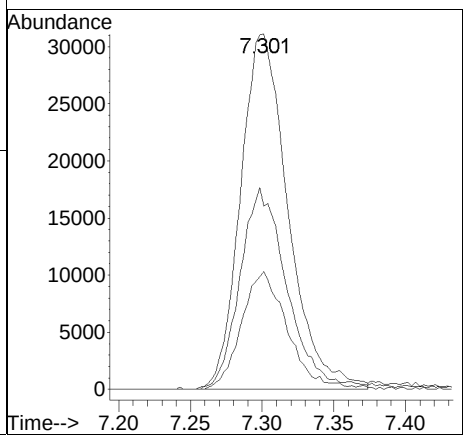


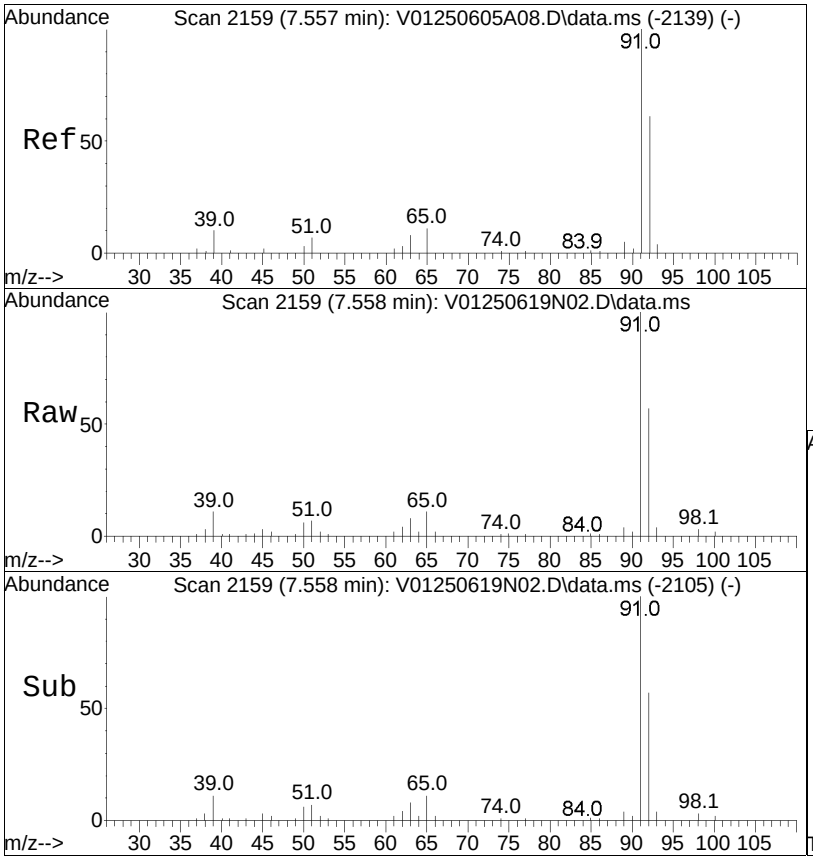


#58
cis-1,3-Dichloropropene
Concen: 7.86 ug/L
RT: 7.301 min Scan# 2067
Delta R.T. 0.006 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 75 Resp: 71972

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.7	38.5
39	55.3	42.9	64.3

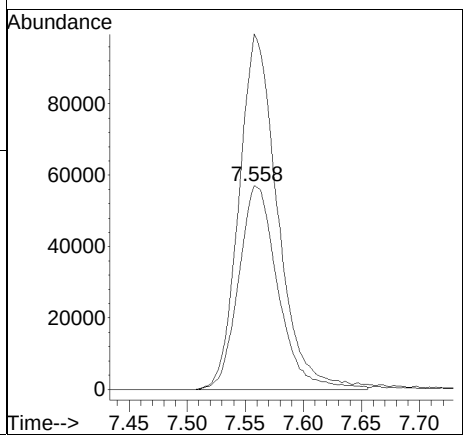


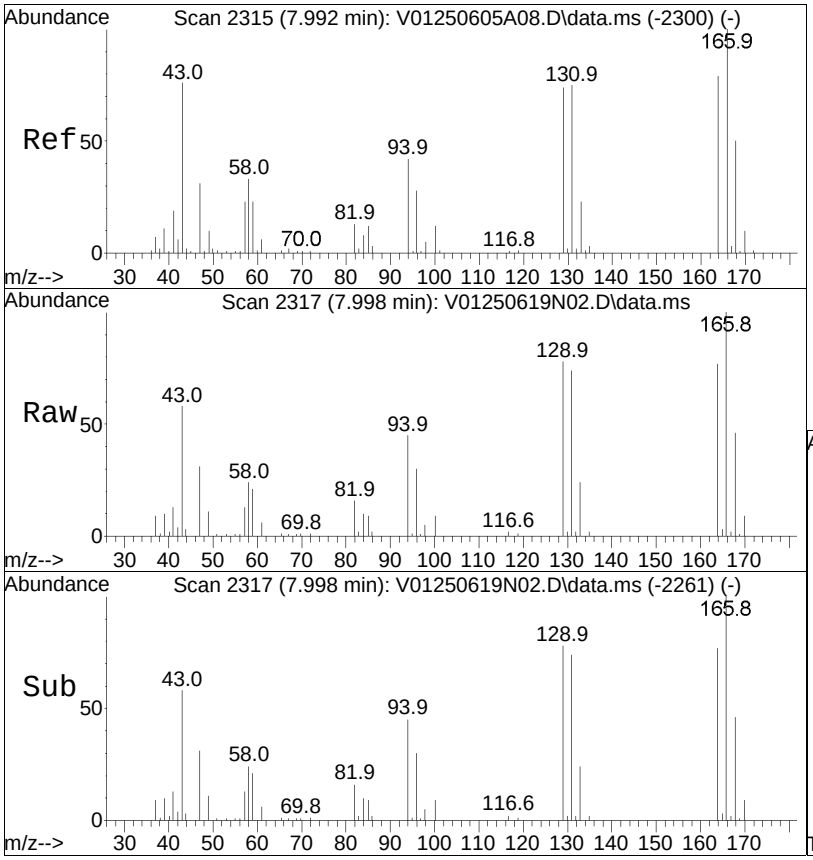


#61
Toluene
Concen: 9.38 ug/L
RT: 7.558 min Scan# 2159
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 92 Resp: 134463

Ion	Ratio	Lower	Upper
92	100		
91	170.4	134.8	202.2

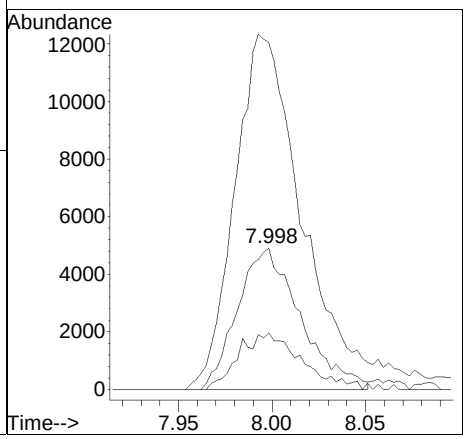


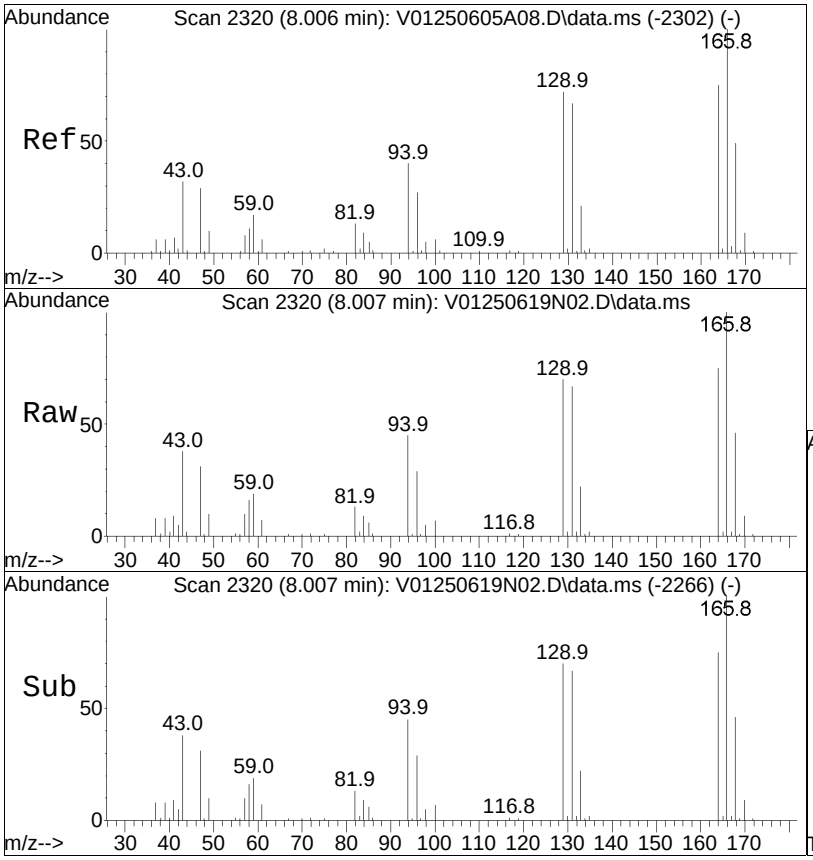


#62
4-Methyl-2-pentanone
Concen: 9.37 ug/L
RT: 7.998 min Scan# 2317
Delta R.T. 0.006 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 58 Resp: 11489

Ion	Ratio	Lower	Upper
58	100		
100	39.7	34.7	52.1
43	266.7	205.3	307.9

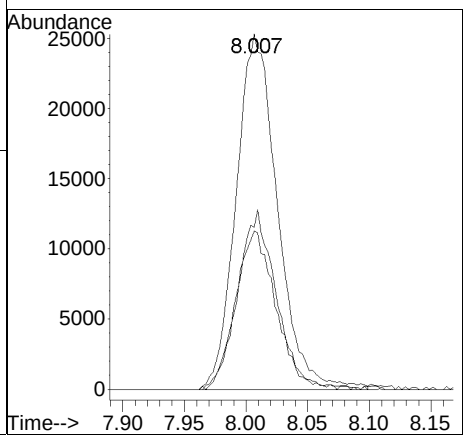


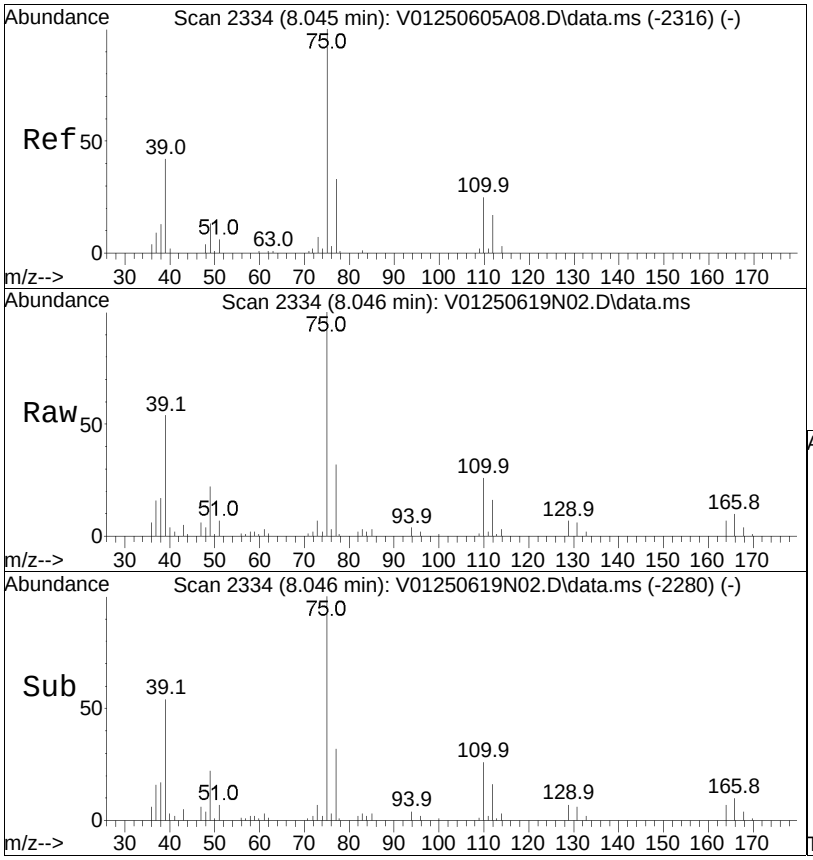


#63
Tetrachloroethene
Concen: 9.24 ug/L
RT: 8.007 min Scan# 2320
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:166 Resp: 59032

Ion	Ratio	Lower	Upper
166	100		
168	46.7	28.4	68.4
94	43.3	21.2	61.2

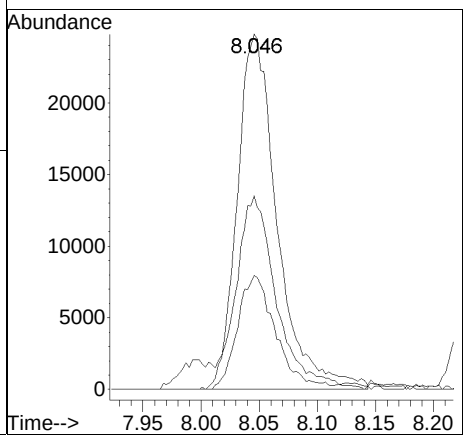


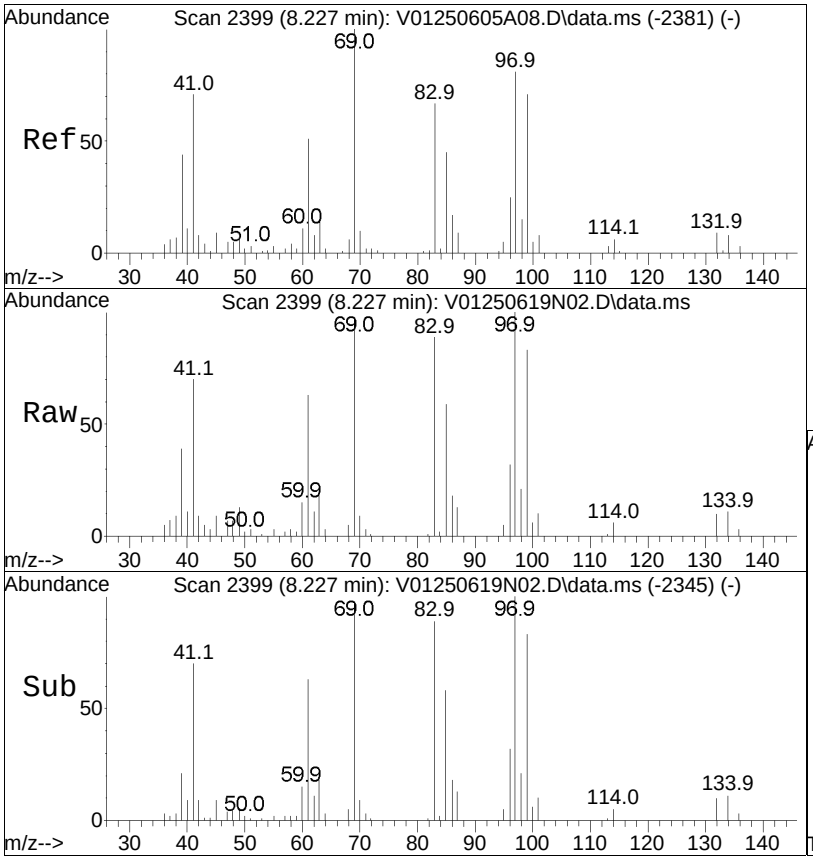


#65
trans-1,3-Dichloropropene
Concen: 8.52 ug/L
RT: 8.046 min Scan# 2334
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 75 Resp: 59407

Ion	Ratio	Lower	Upper
75	100		
77	30.8	11.9	51.9
39	51.5	28.4	68.4

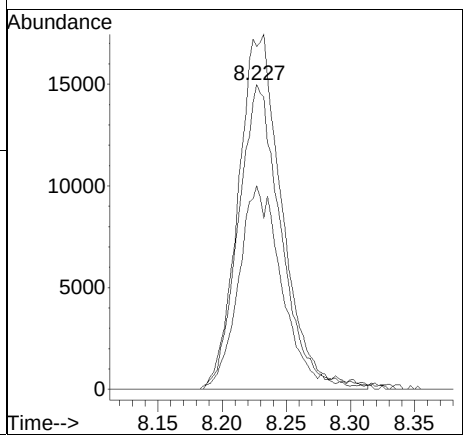


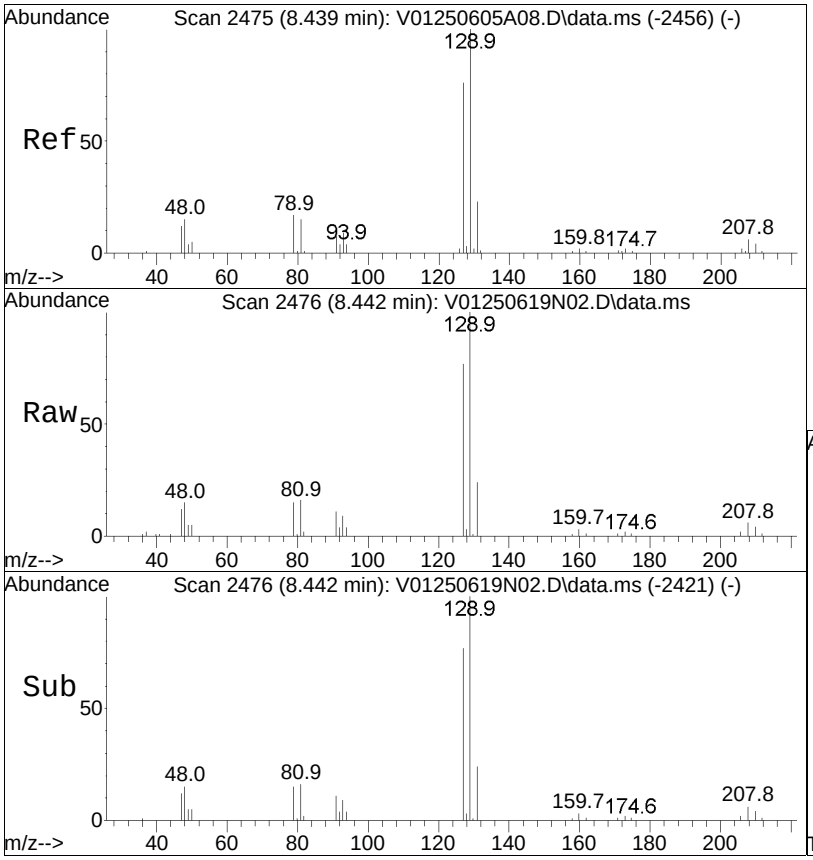


#68
1,1,2-Trichloroethane
Concen: 9.87 ug/L
RT: 8.227 min Scan# 2399
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 83 Resp: 34843

Ion	Ratio	Lower	Upper
83	100		
97	117.5	101.5	141.5
85	67.7	48.5	88.5

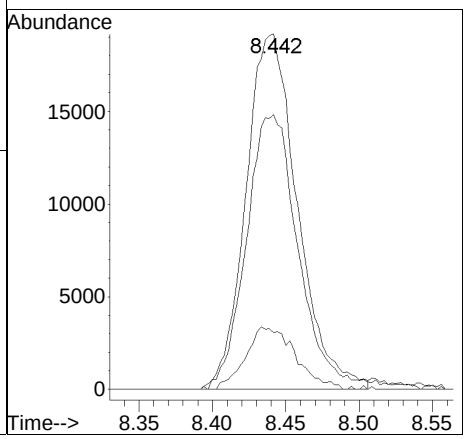


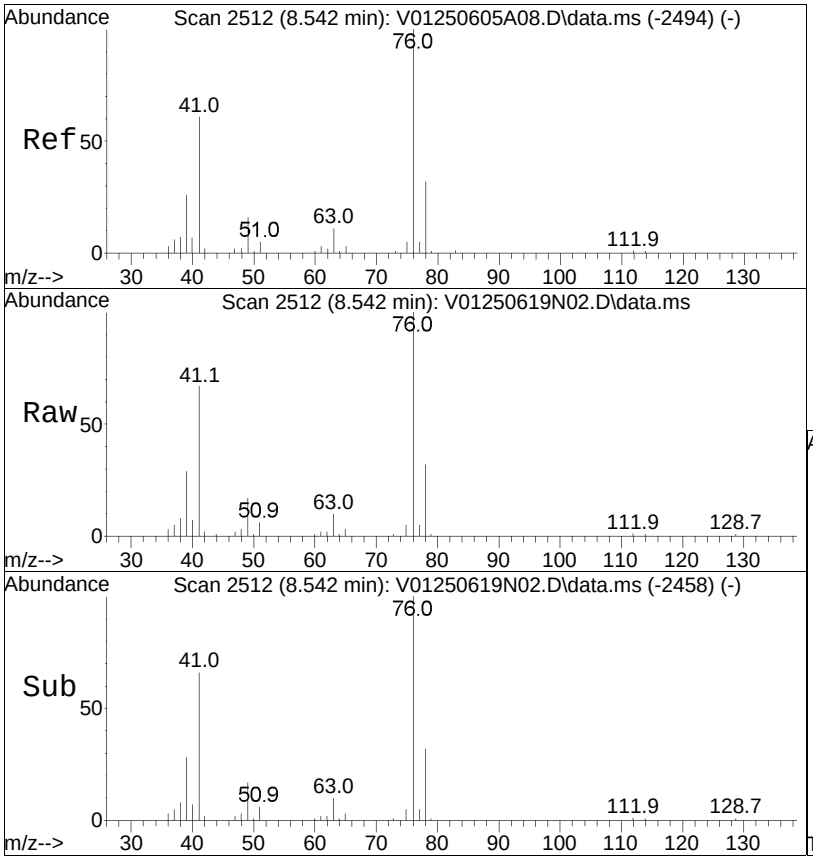


#69
Chlorodibromomethane
Concen: 8.32 ug/L
RT: 8.442 min Scan# 2476
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:129 Resp: 46871

Ion	Ratio	Lower	Upper
129	100		
81	17.0	0.0	36.6
127	78.5	56.3	96.3

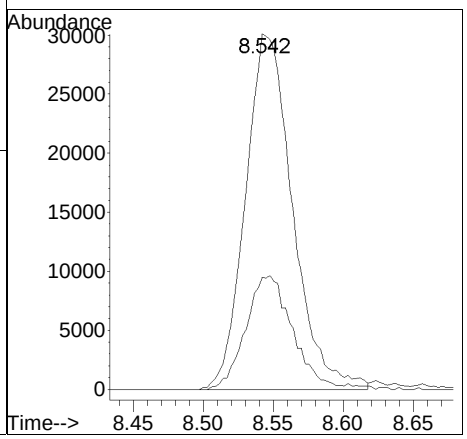


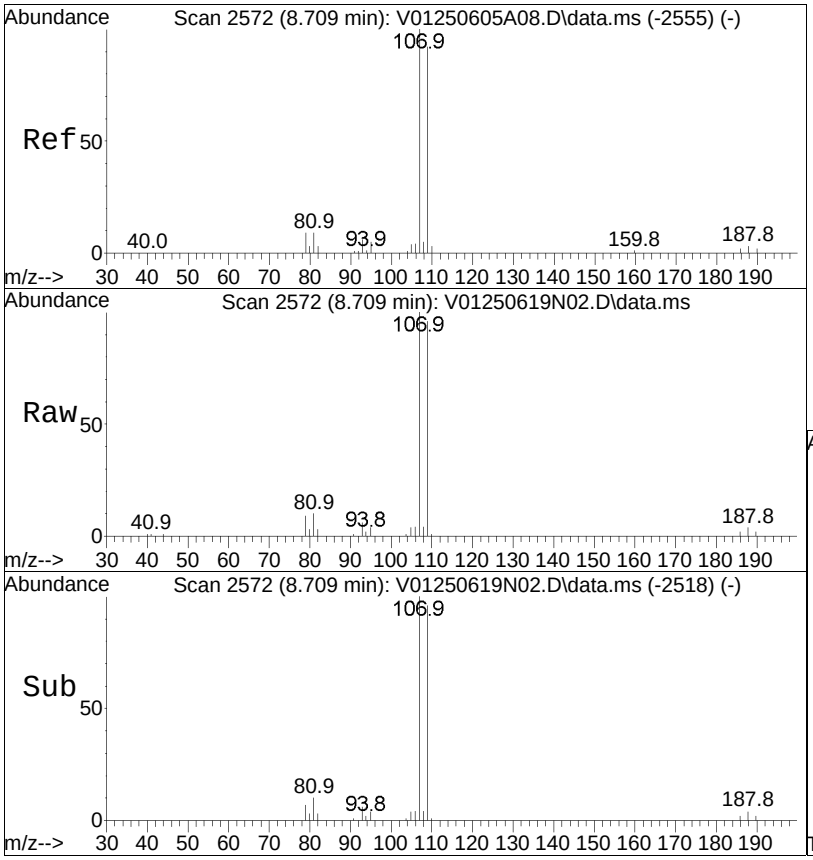


#70
1,3-Dichloropropane
Concen: 10.04 ug/L
RT: 8.542 min Scan# 2512
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 76 Resp: 70444

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

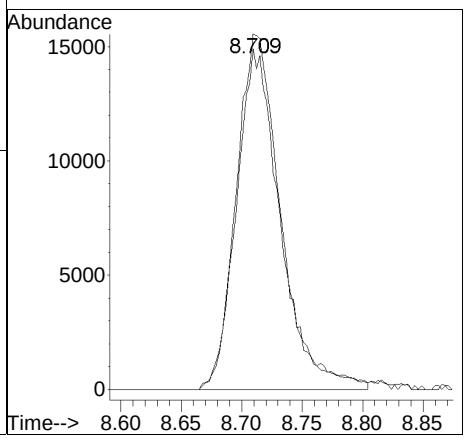


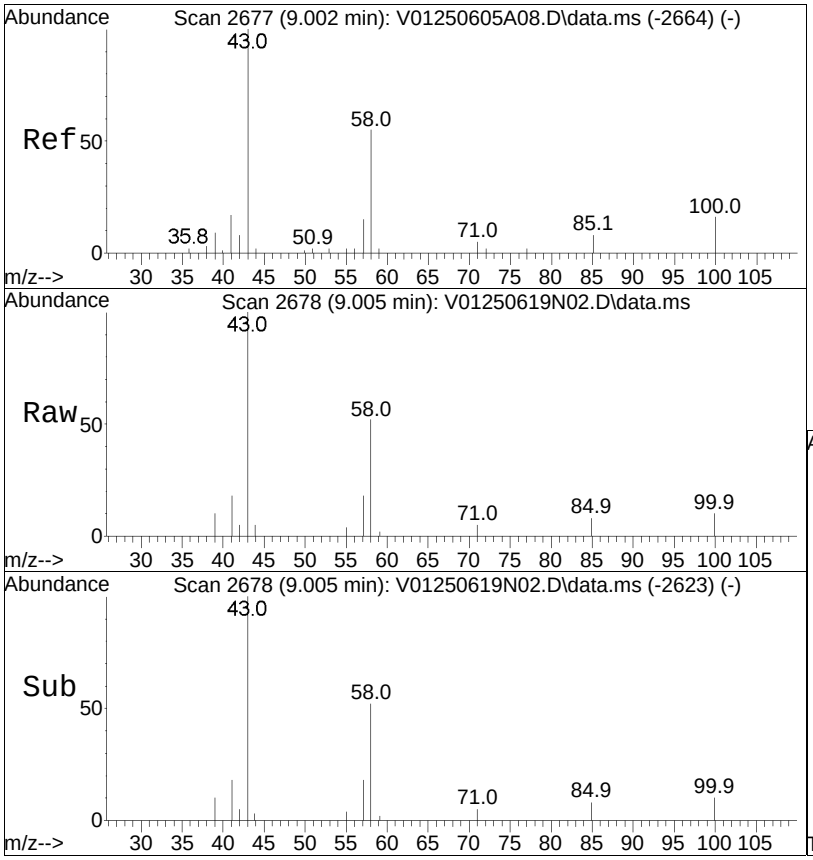


#71
1,2-Dibromoethane
Concen: 9.64 ug/L
RT: 8.709 min Scan# 2572
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:107 Resp: 39925

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.9	115.3

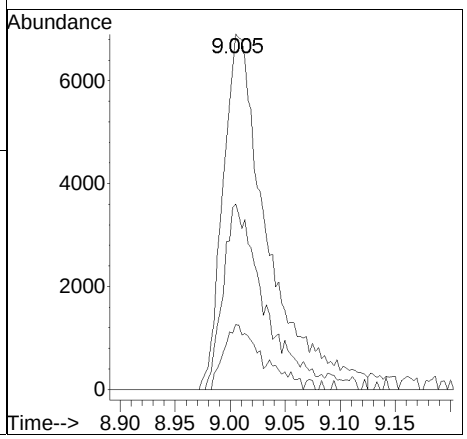


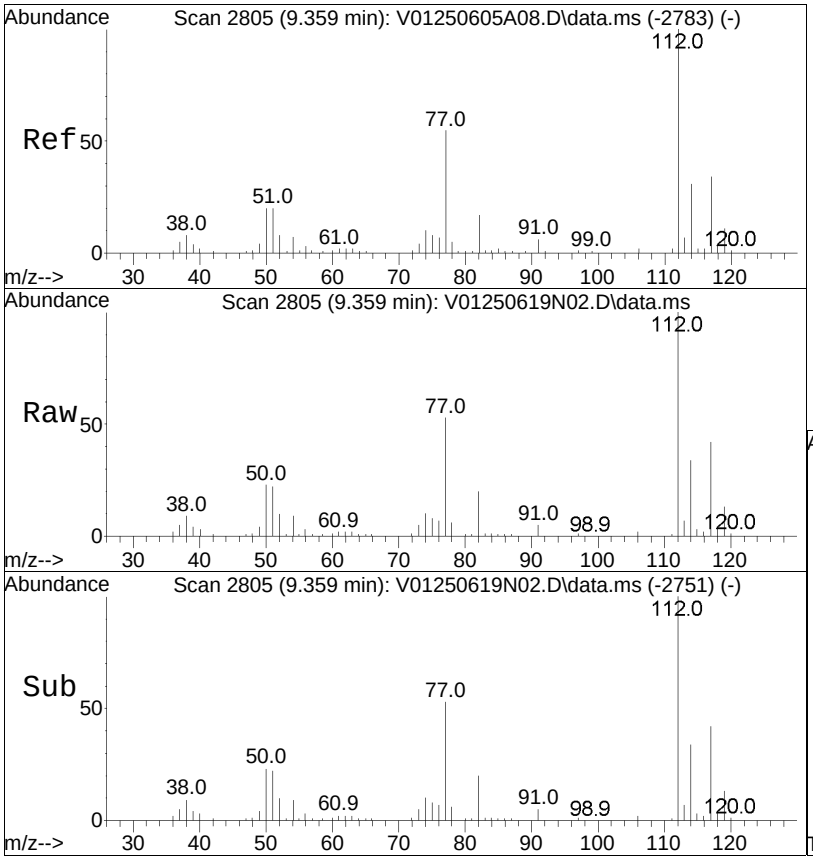


#72
2-Hexanone
Concen: 9.52 ug/L
RT: 9.005 min Scan# 2678
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 43 Resp: 19543

Ion	Ratio	Lower	Upper
43	100		
58	47.5	43.6	65.4
57	12.8	6.5	9.7#

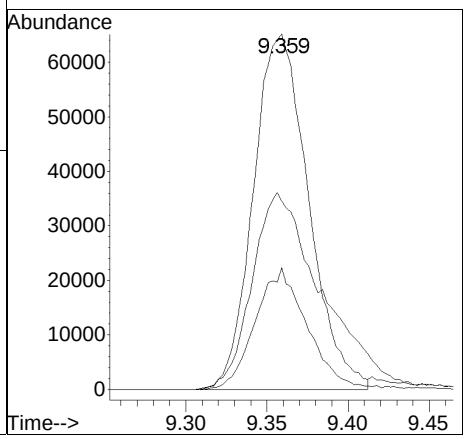


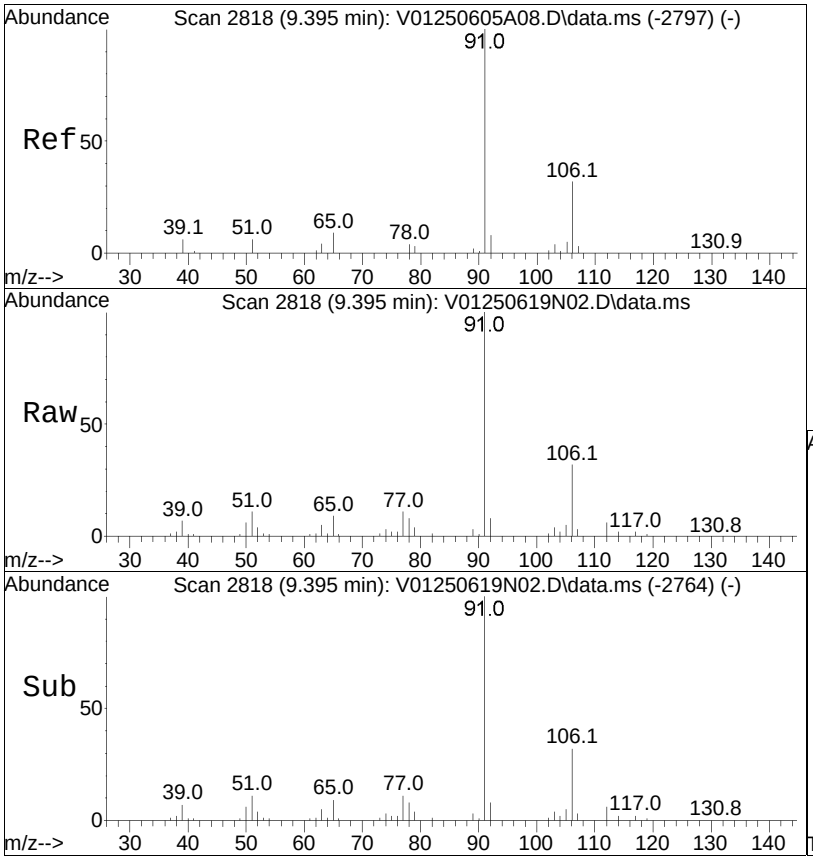


#73
Chlorobenzene
Concen: 9.29 ug/L
RT: 9.359 min Scan# 2805
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:112 Resp: 153777

Ion	Ratio	Lower	Upper
112	100		
77	70.4	54.6	81.8
114	32.3	25.5	38.3

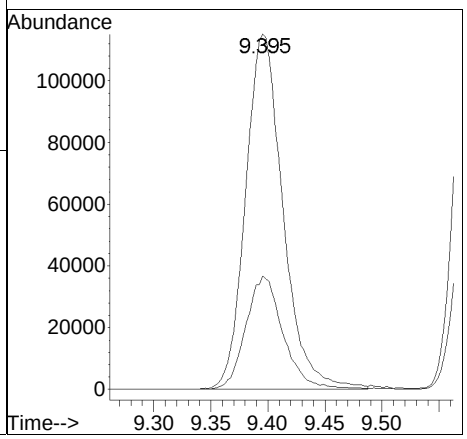


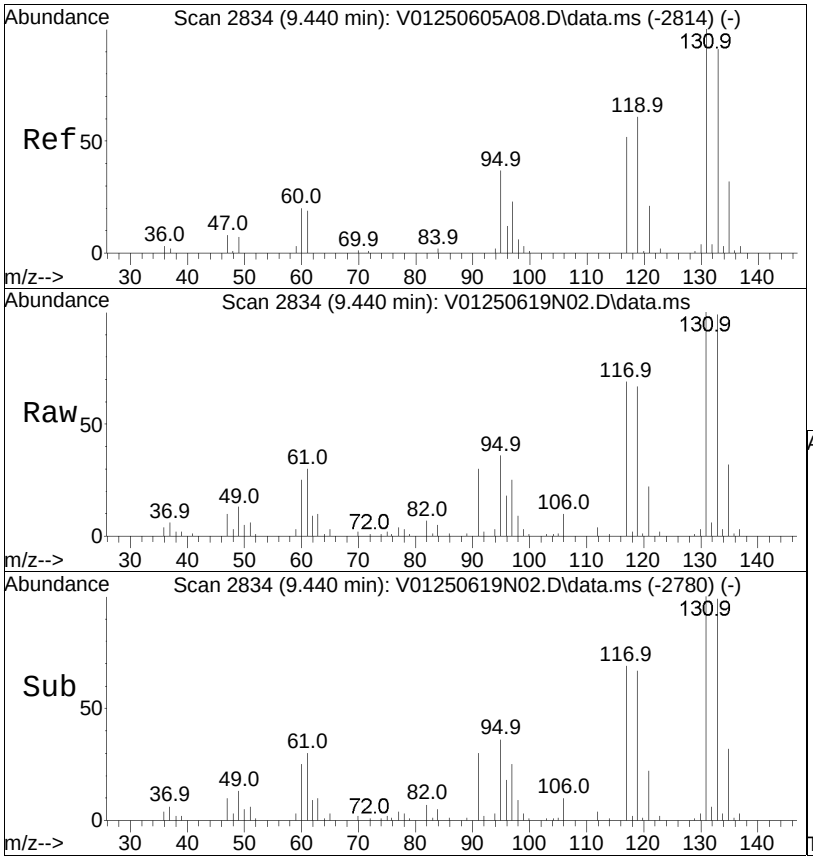


#74
Ethylbenzene
Concen: 9.50 ug/L
RT: 9.395 min Scan# 2818
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 91 Resp: 262644

Ion	Ratio	Lower	Upper
91	100		
106	31.8	26.1	39.1

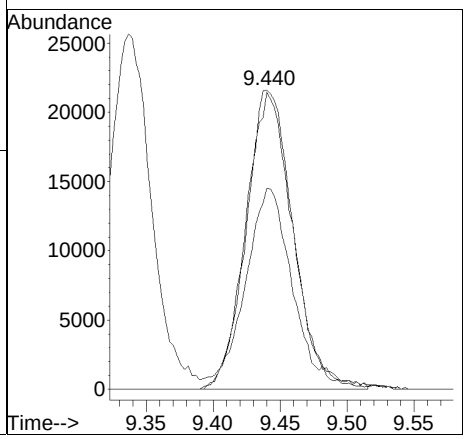


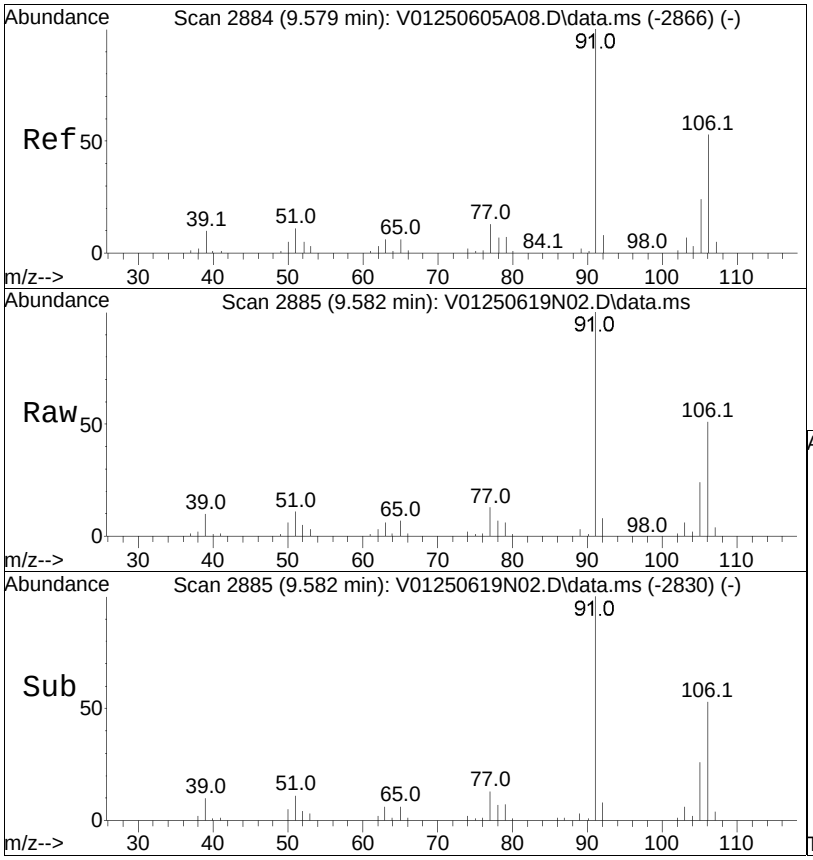


#75
1,1,1,2-Tetrachloroethane
Concen: 8.82 ug/L
RT: 9.440 min Scan# 2834
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:131 Resp: 53587

Ion	Ratio	Lower	Upper
131	100		
133	96.3	75.3	115.3
119	64.8	46.1	86.1

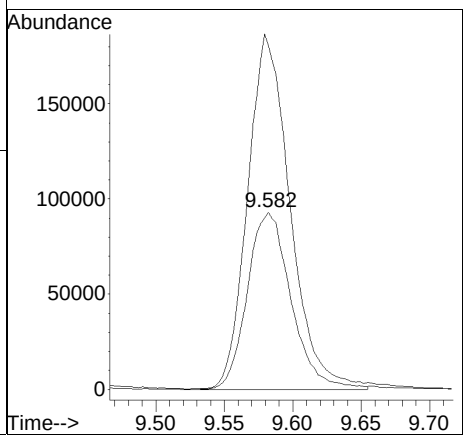


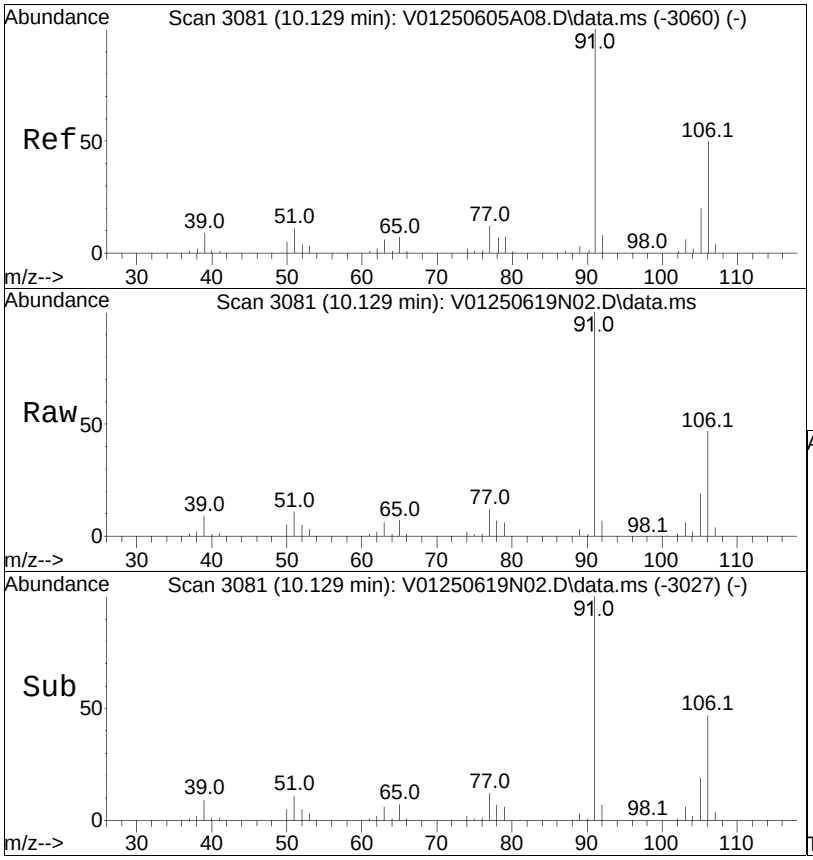


#76
p/m Xylene
Concen: 18.50 ug/L
RT: 9.582 min Scan# 2885
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:106 Resp: 206372

Ion	Ratio	Lower	Upper
106	100		
91	196.4	153.1	229.7

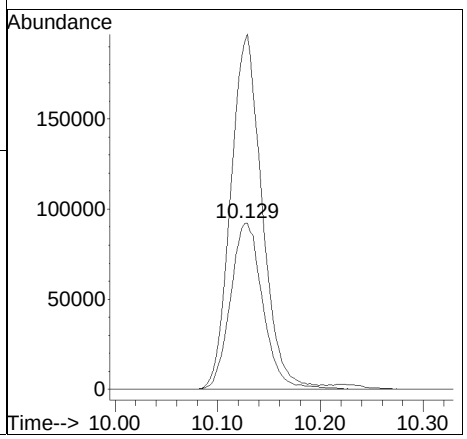


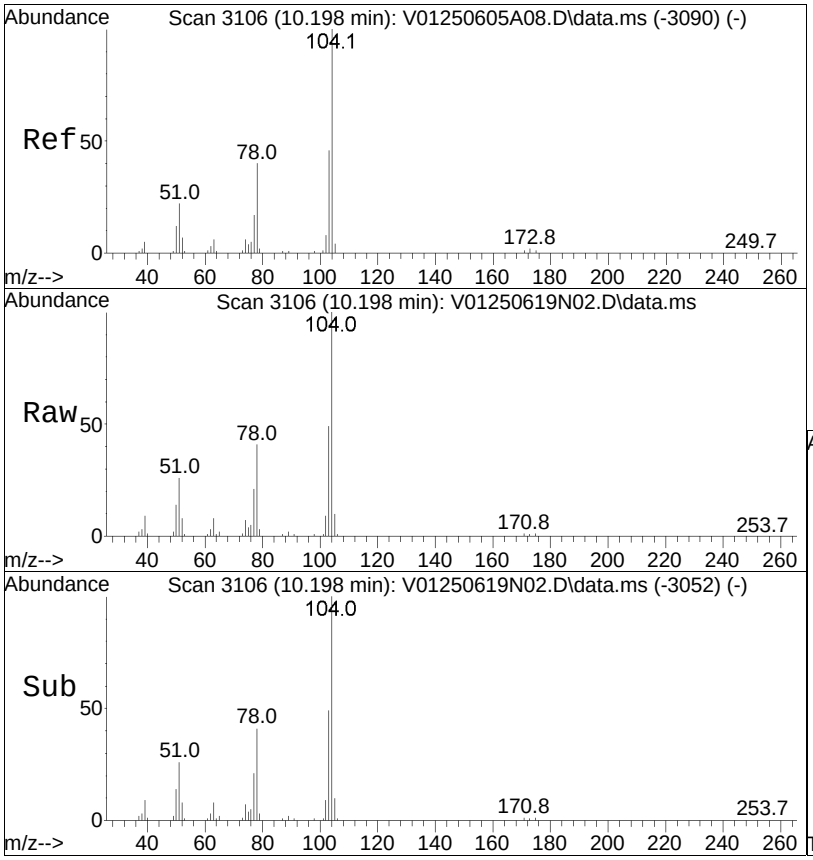


#77
o Xylene
Concen: 18.52 ug/L
RT: 10.129 min Scan# 3081
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:106 Resp: 202594

Ion	Ratio	Lower	Upper
106	100		
91	205.8	161.3	241.9

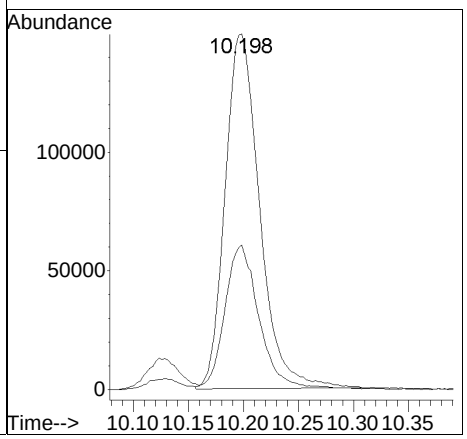


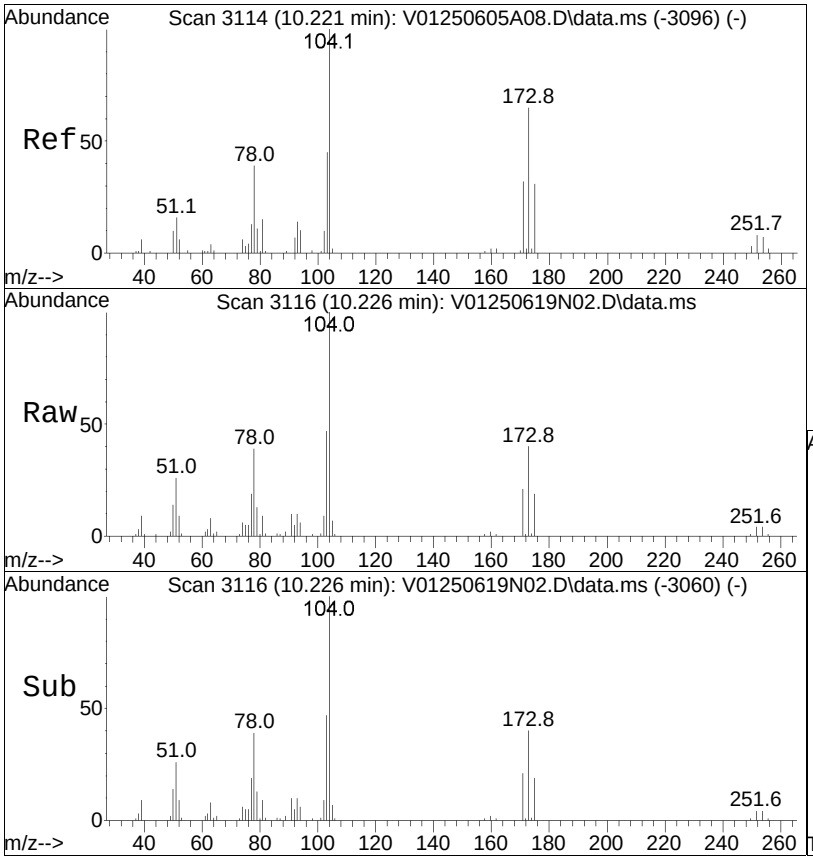


#78
Styrene
Concen: 18.70 ug/L
RT: 10.198 min Scan# 3106
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:104 Resp: 326871

Ion	Ratio	Lower	Upper
104	100		
78	39.4	32.5	48.7

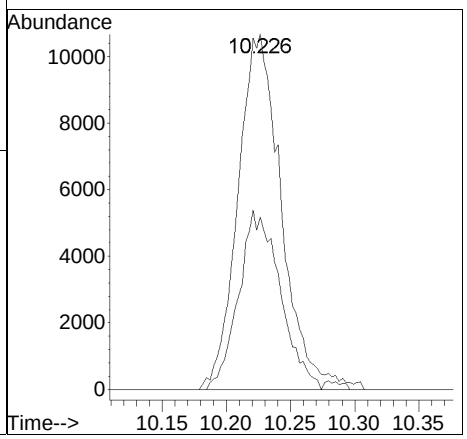


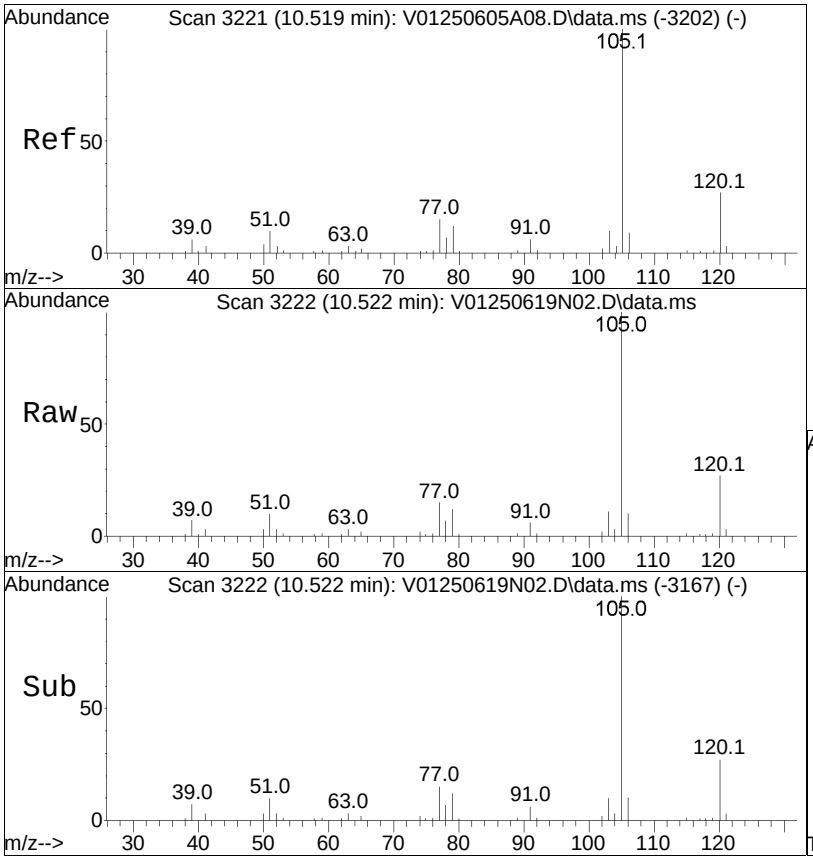


#80
Bromoform
Concen: 7.37 ug/L
RT: 10.226 min Scan# 3116
Delta R.T. 0.005 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:173 Resp: 25159

Ion	Ratio	Lower	Upper
173	100		
175	48.1	28.9	68.9

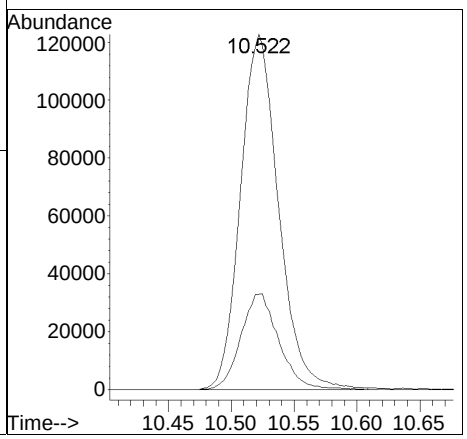


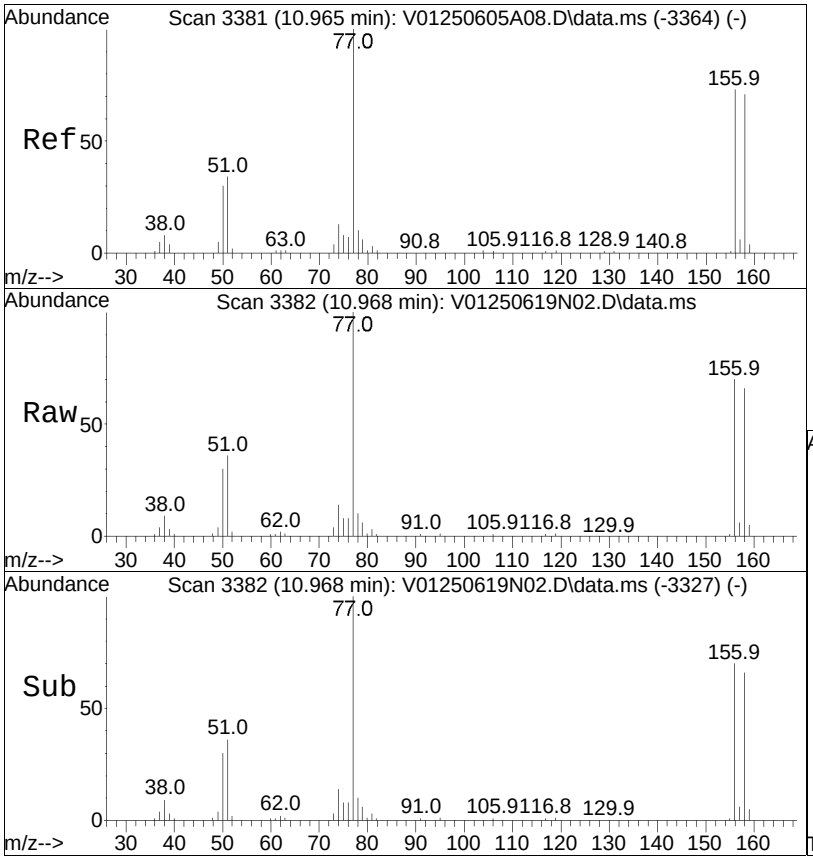


#82
Isopropylbenzene
Concen: 9.42 ug/L
RT: 10.522 min Scan# 3222
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:105 Resp: 257871

Ion	Ratio	Lower	Upper
105	100		
120	26.8	7.2	47.2

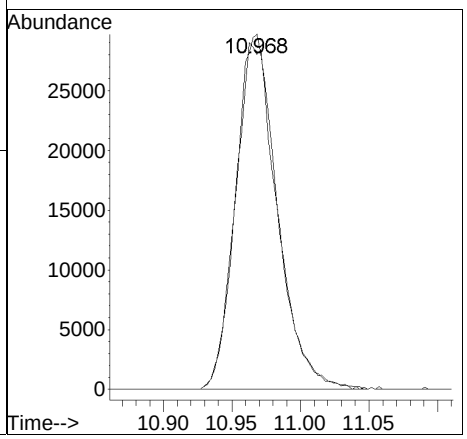


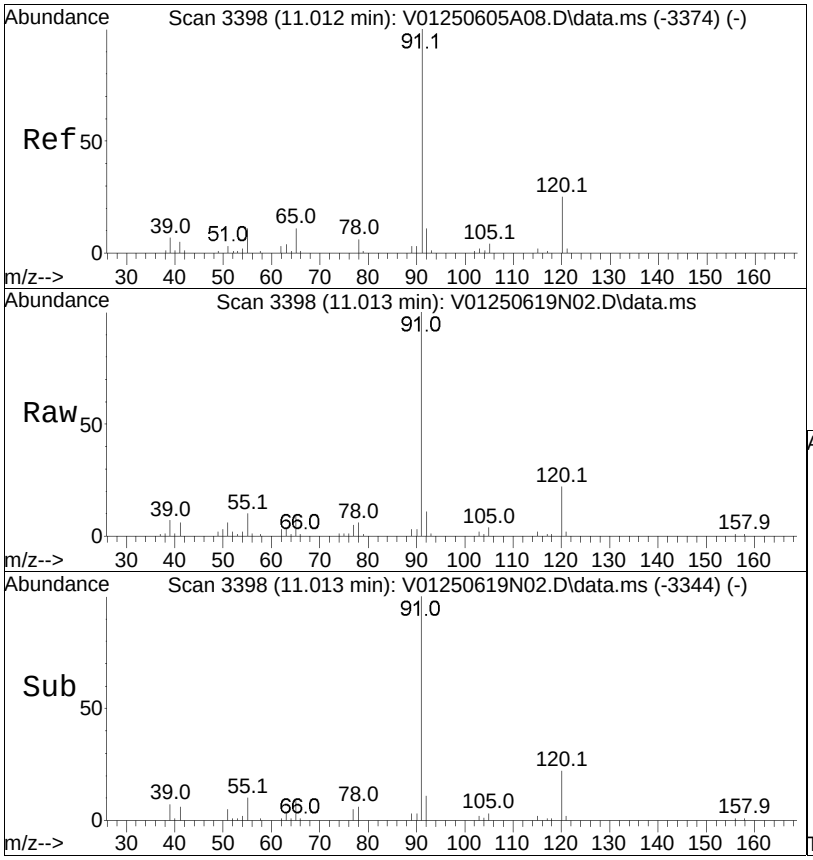


#84
Bromobenzene
Concen: 9.50 ug/L
RT: 10.968 min Scan# 3382
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:156 Resp: 63433

Ion	Ratio	Lower	Upper
156	100		
158	96.8	78.9	118.3

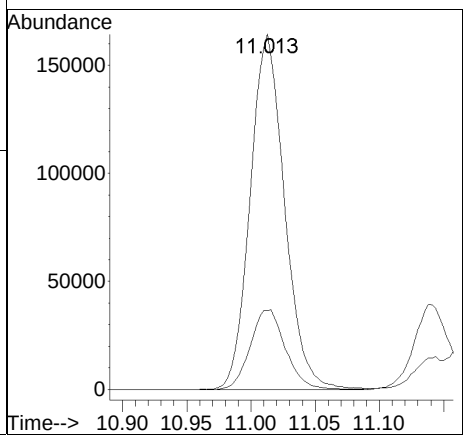


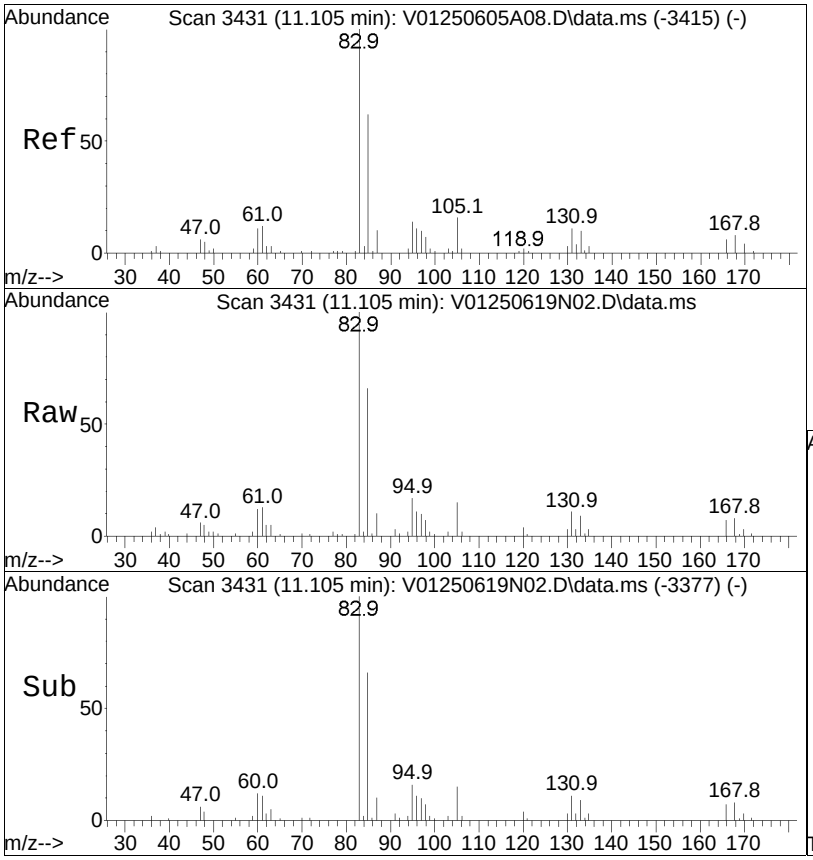


#85
n-Propylbenzene
Concen: 9.80 ug/L
RT: 11.013 min Scan# 3398
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 91 Resp: 305432

Ion	Ratio	Lower	Upper
91	100		
120	22.9	19.4	29.0

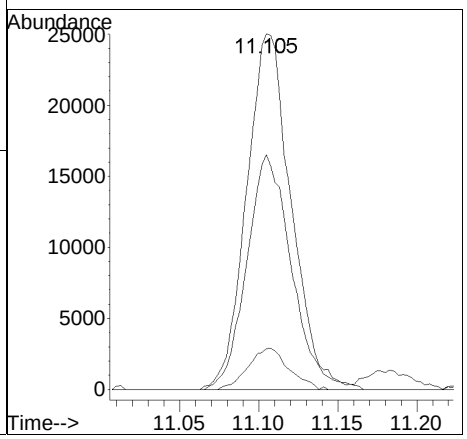


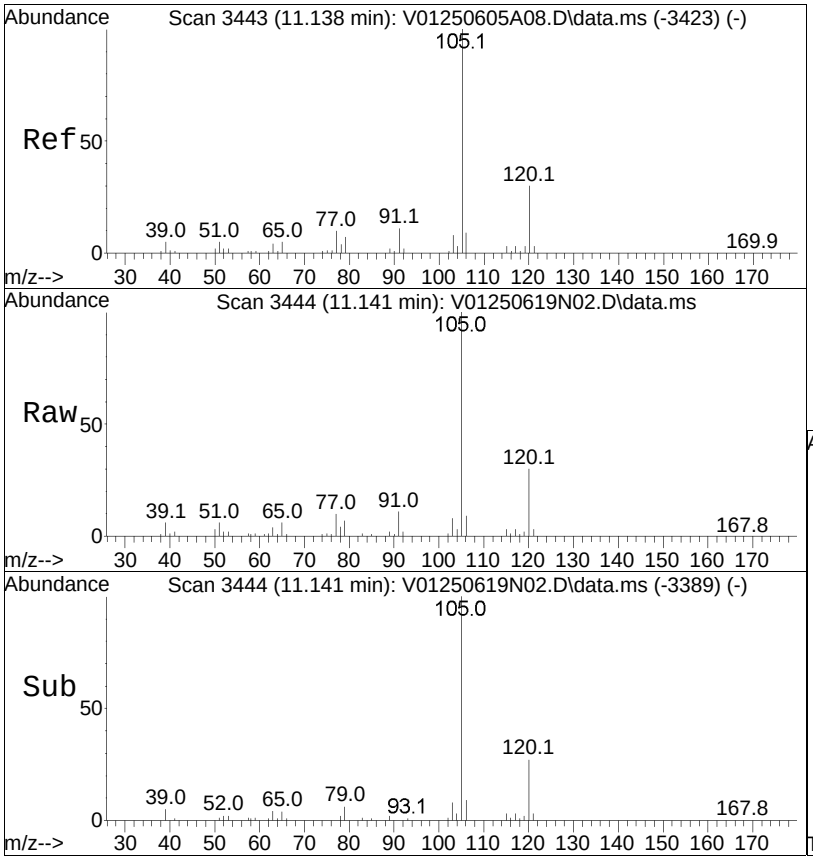


#87
1,1,2,2-Tetrachloroethane
Concen: 10.24 ug/L
RT: 11.105 min Scan# 3431
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 83 Resp: 49173

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	30.3
85	65.8	46.1	86.1

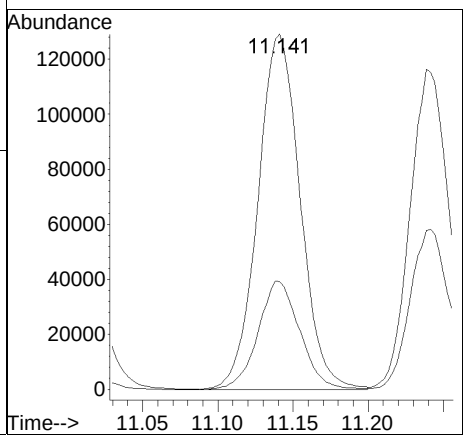


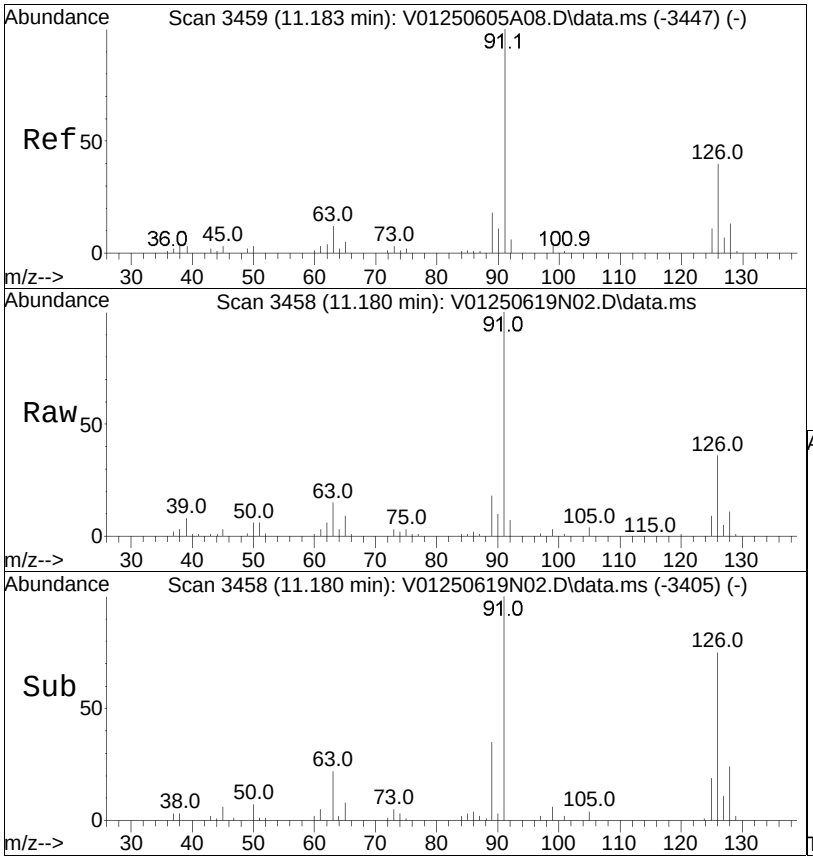


#88
4-Ethyltoluene
Concen: 9.63 ug/L
RT: 11.141 min Scan# 3444
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:105 Resp: 252333

Ion	Ratio	Lower	Upper
105	100		
120	30.1	20.0	41.4

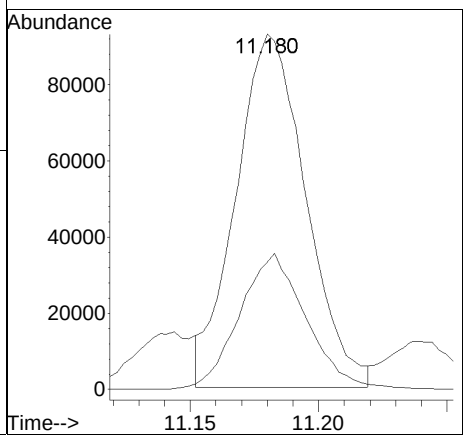


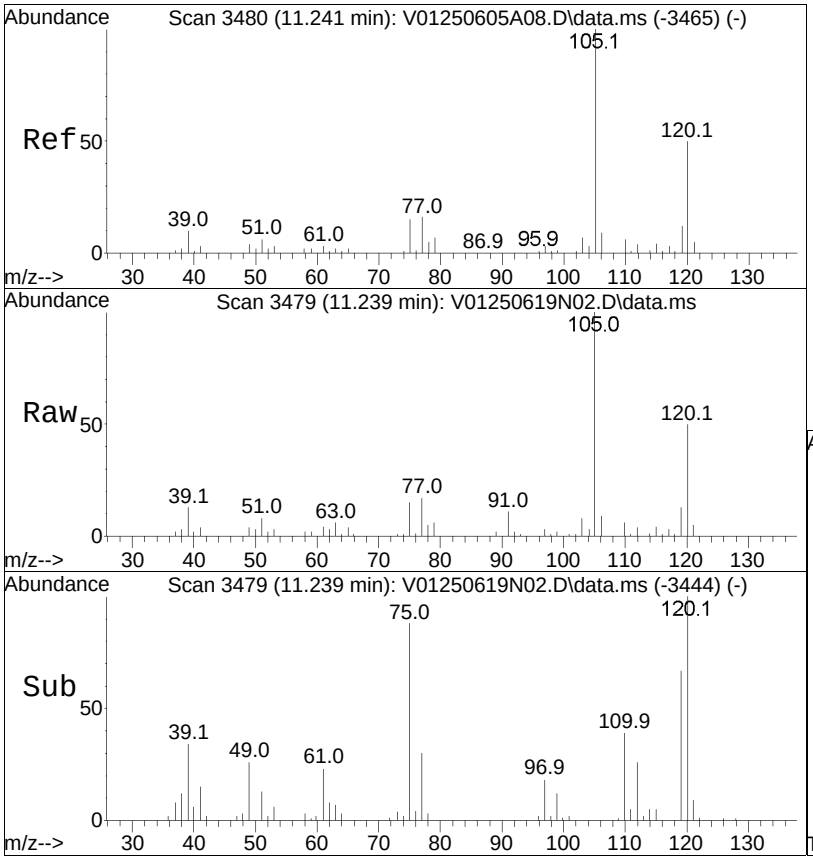


#89
2-Chlorotoluene
Concen: 9.51 ug/L
RT: 11.180 min Scan# 3458
Delta R.T. -0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 91 Resp: 176001

Ion	Ratio	Lower	Upper
91	100		
126	36.7	29.0	43.4

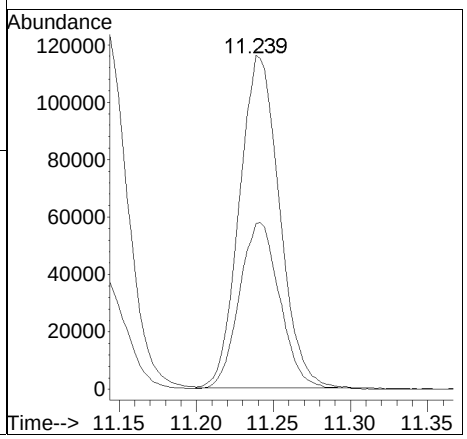


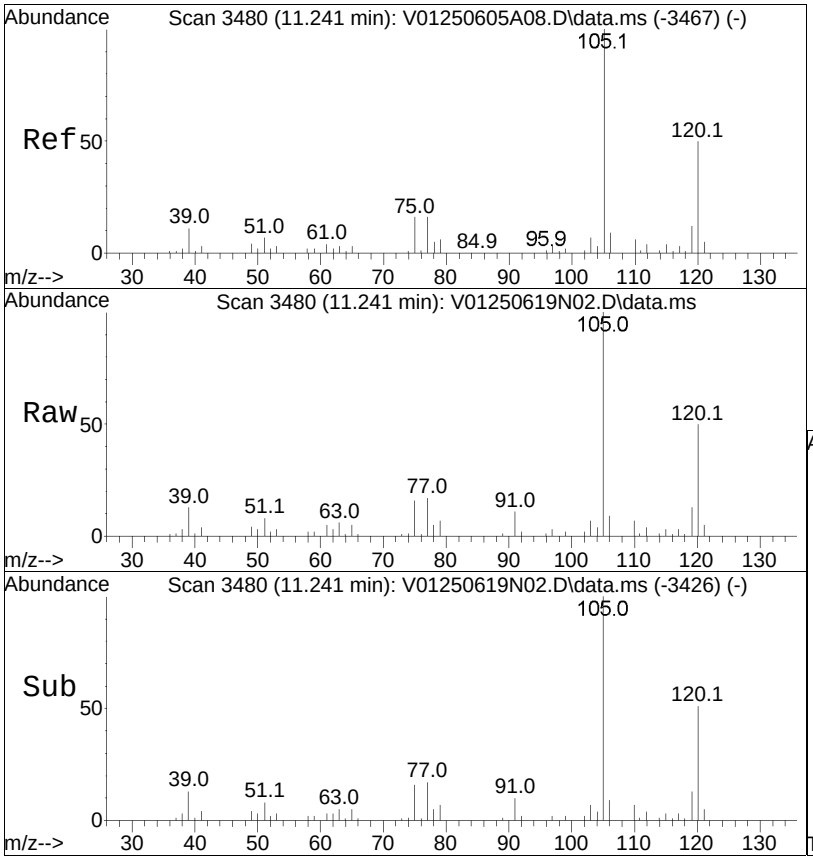


#90
1,3,5-Trimethylbenzene
Concen: 9.40 ug/L
RT: 11.239 min Scan# 3479
Delta R.T. -0.002 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:105 Resp: 210336

Ion	Ratio	Lower	Upper
105	100		
120	50.9	40.7	61.1

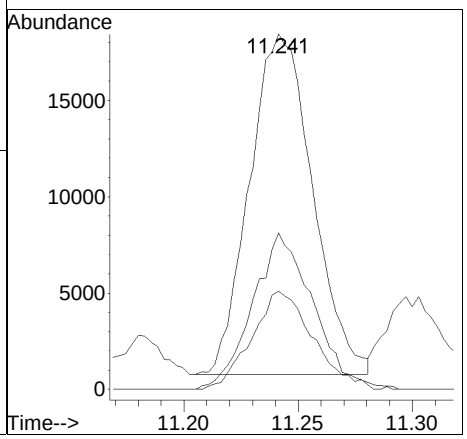


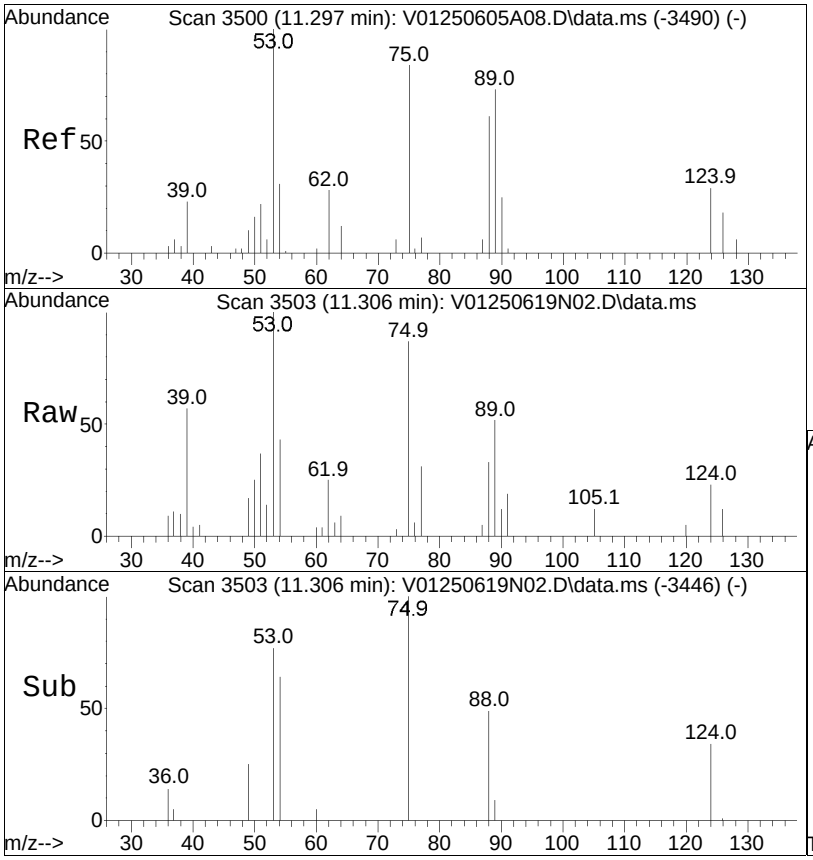


#91
1,2,3-Trichloropropane
Concen: 9.17 ug/L
RT: 11.241 min Scan# 3480
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 75 Resp: 33812

Ion	Ratio	Lower	Upper
75	100		
110	44.0	24.8	51.6
112	28.0	16.3	33.9

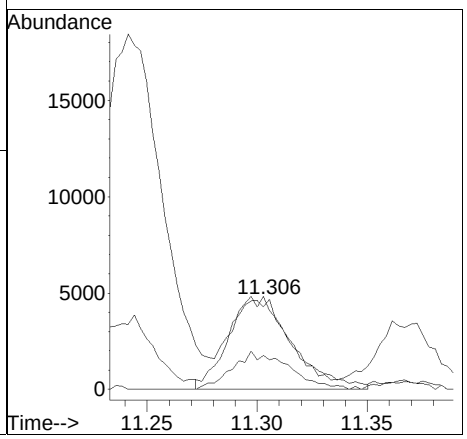


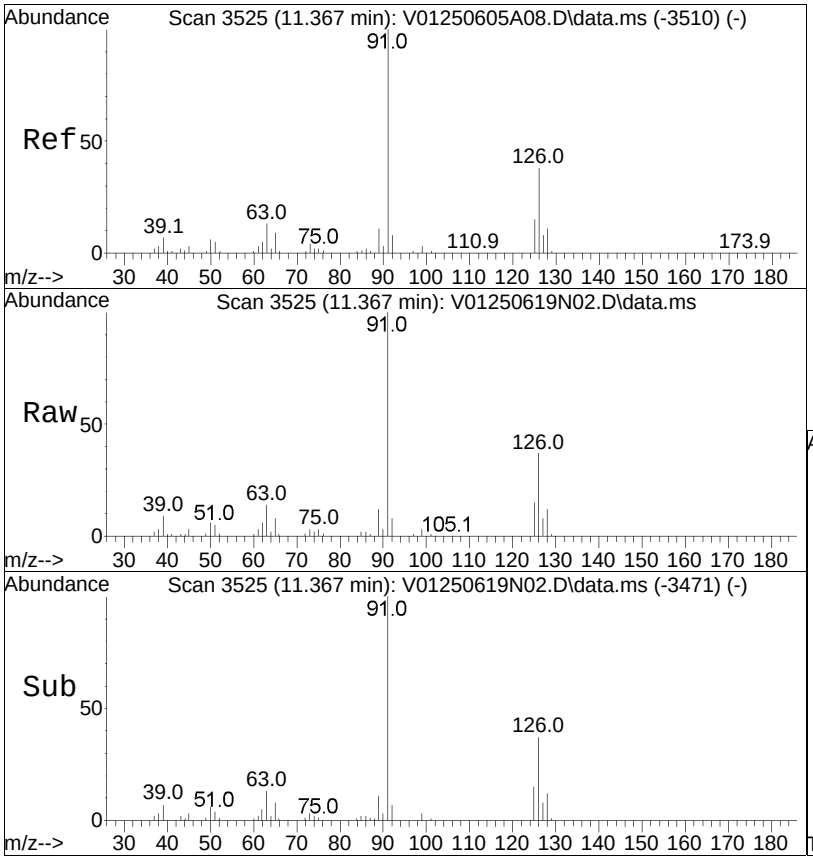


#92
trans-1,4-Dichloro-2-butene
Concen: 8.59 ug/L
RT: 11.306 min Scan# 3503
Delta R.T. 0.009 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 53 Resp: 9484

Ion	Ratio	Lower	Upper
53	100		
88	37.5	39.4	59.0#
75	76.9	93.8	140.8#

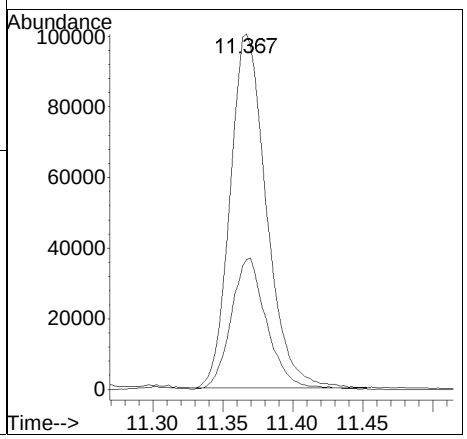


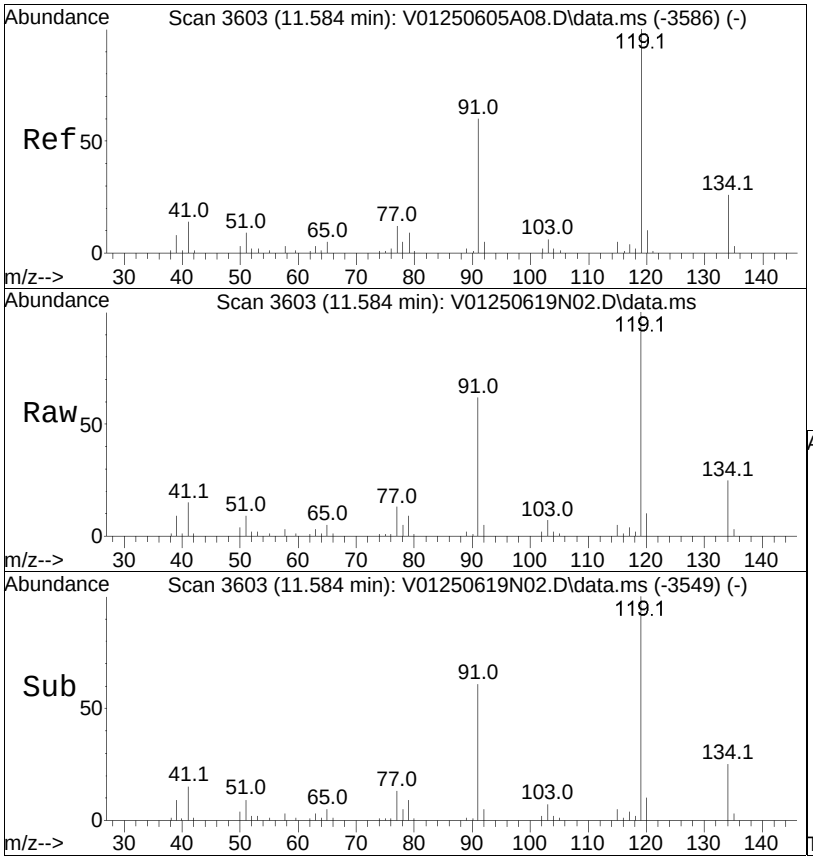


#93
4-Chlorotoluene
Concen: 9.64 ug/L
RT: 11.367 min Scan# 3525
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 91 Resp: 180444

Ion	Ratio	Lower	Upper
91	100		
126	36.8	29.7	44.5

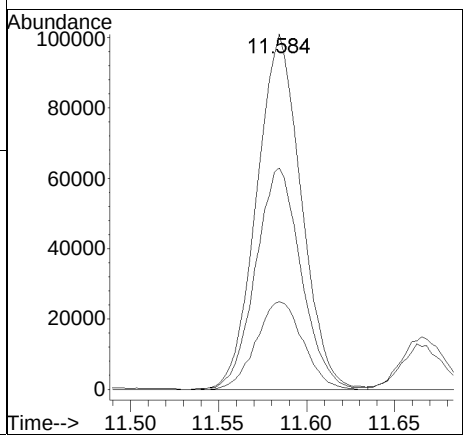


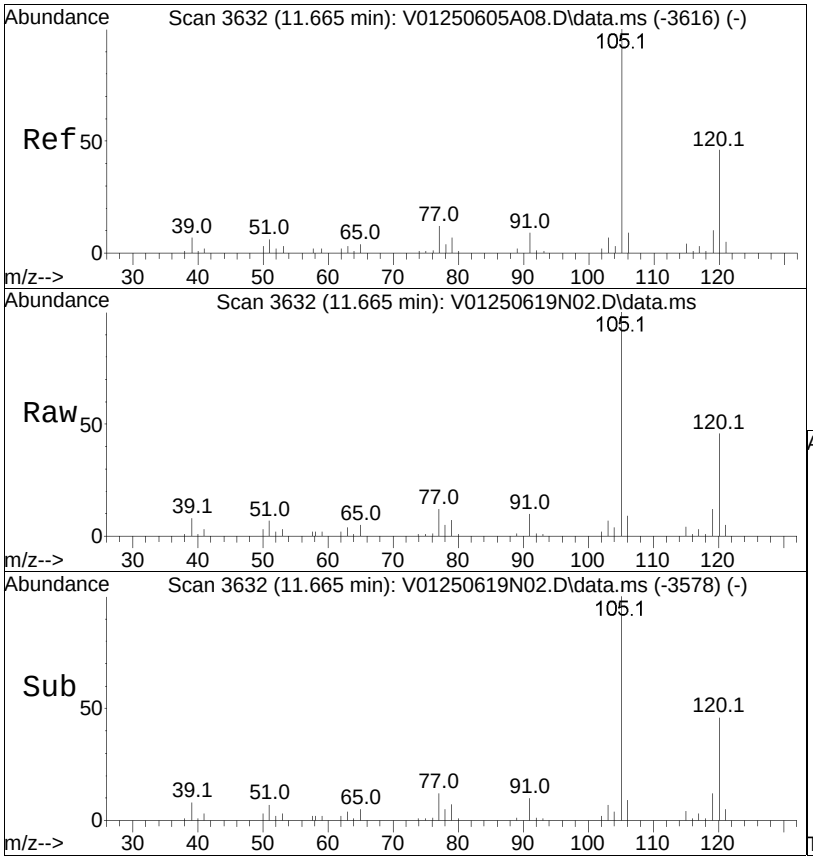


#94
tert-Butylbenzene
Concen: 9.39 ug/L
RT: 11.584 min Scan# 3603
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:119 Resp: 177610

Ion	Ratio	Lower	Upper
119	100		
91	63.8	50.0	75.0
134	26.0	20.8	31.2

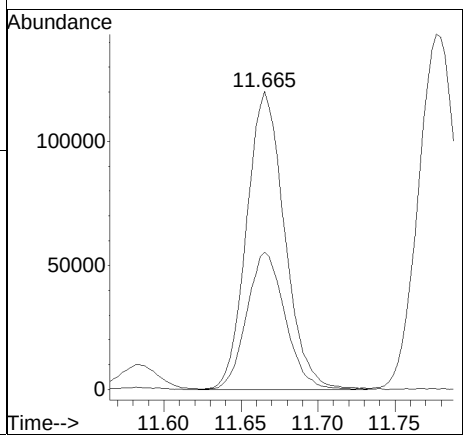


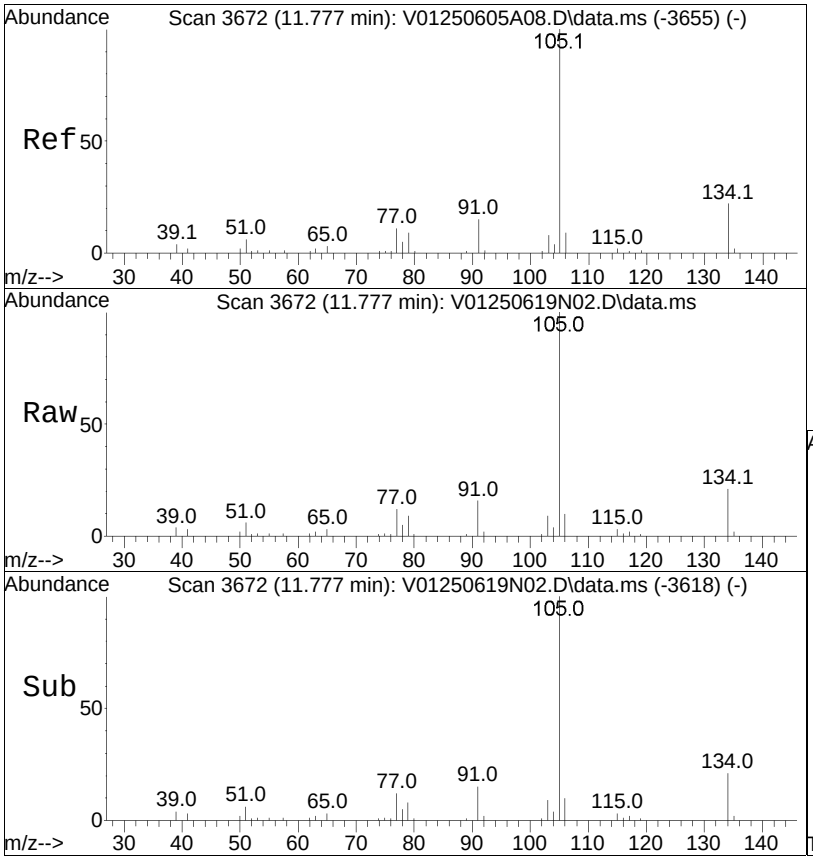


#97
1,2,4-Trimethylbenzene
Concen: 9.55 ug/L
RT: 11.665 min Scan# 3632
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:105 Resp: 206083

Ion	Ratio	Lower	Upper
105	100		
120	46.4	38.2	57.4

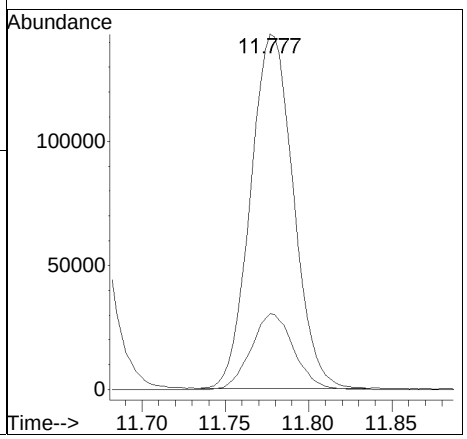


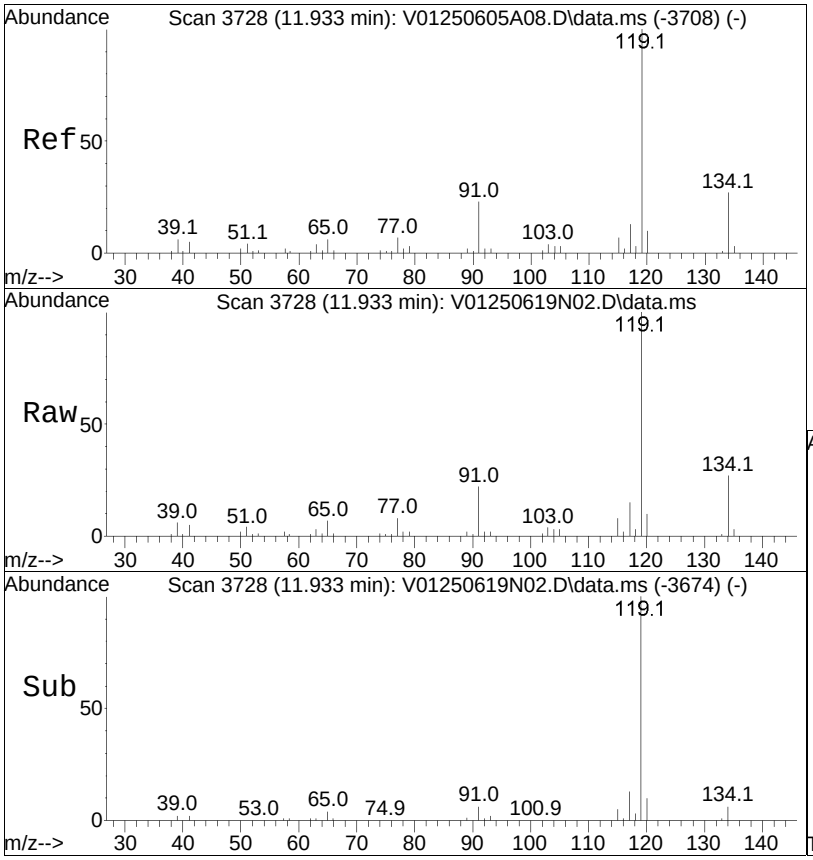


#98
sec-Butylbenzene
Concen: 9.54 ug/L
RT: 11.777 min Scan# 3672
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:105 Resp: 255774

Ion	Ratio	Lower	Upper
105	100		
134	21.1	14.0	29.2

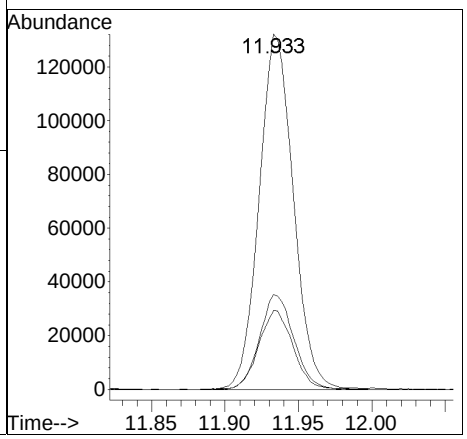


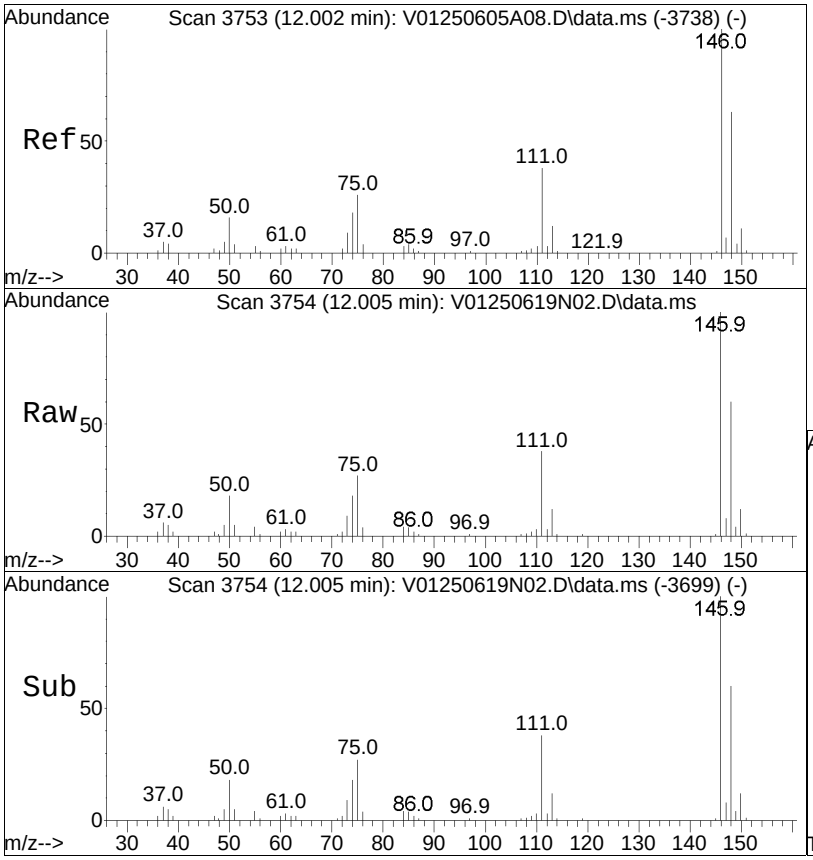


#99
p-Isopropyltoluene
Concen: 9.36 ug/L
RT: 11.933 min Scan# 3728
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:119 Resp: 214547

Ion	Ratio	Lower	Upper
119	100		
134	26.7	17.8	37.0
91	22.2	14.5	30.1

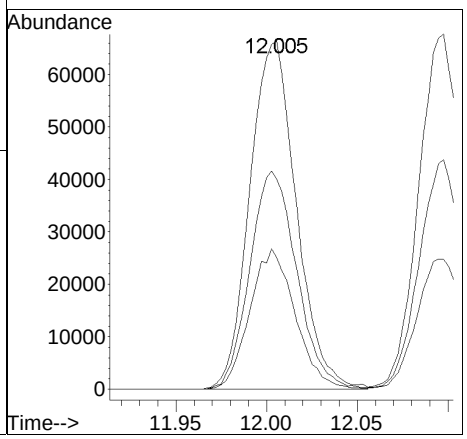


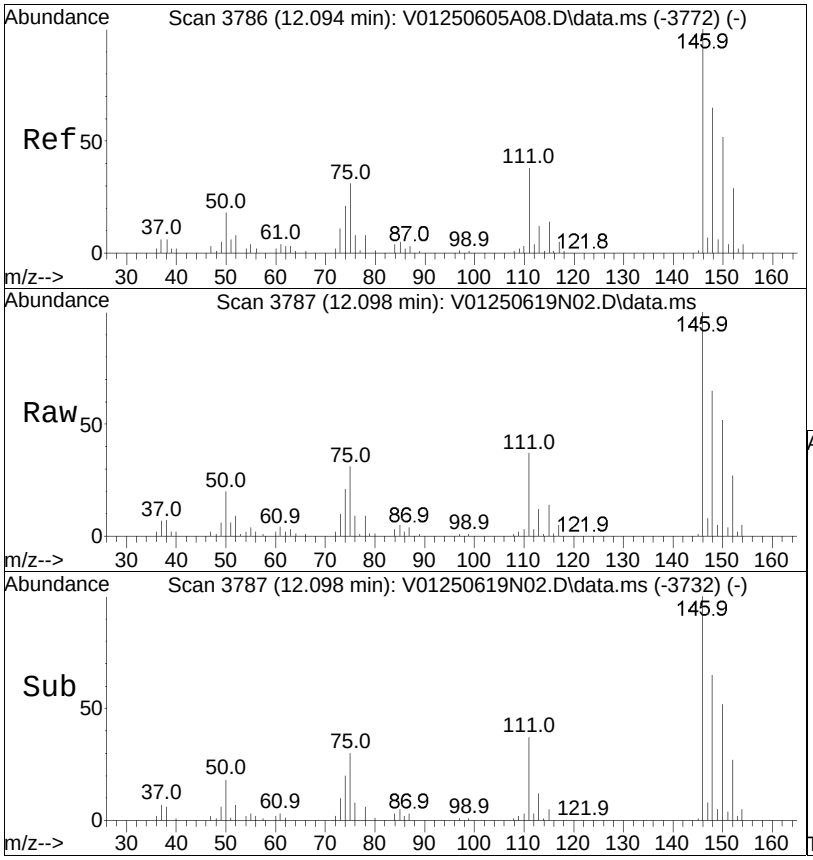


#100
1,3-Dichlorobenzene
Concen: 9.64 ug/L
RT: 12.005 min Scan# 3754
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:146 Resp: 118467

Ion	Ratio	Lower	Upper
146	100		
111	39.4	25.2	52.4
148	63.4	41.3	85.9

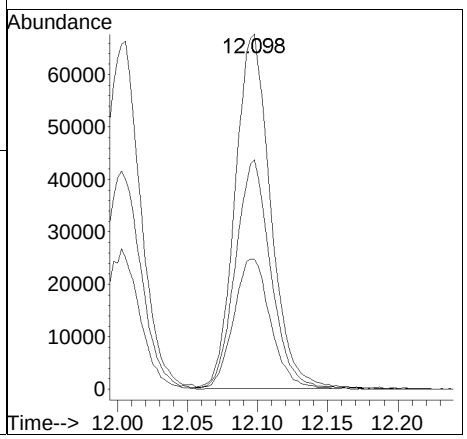


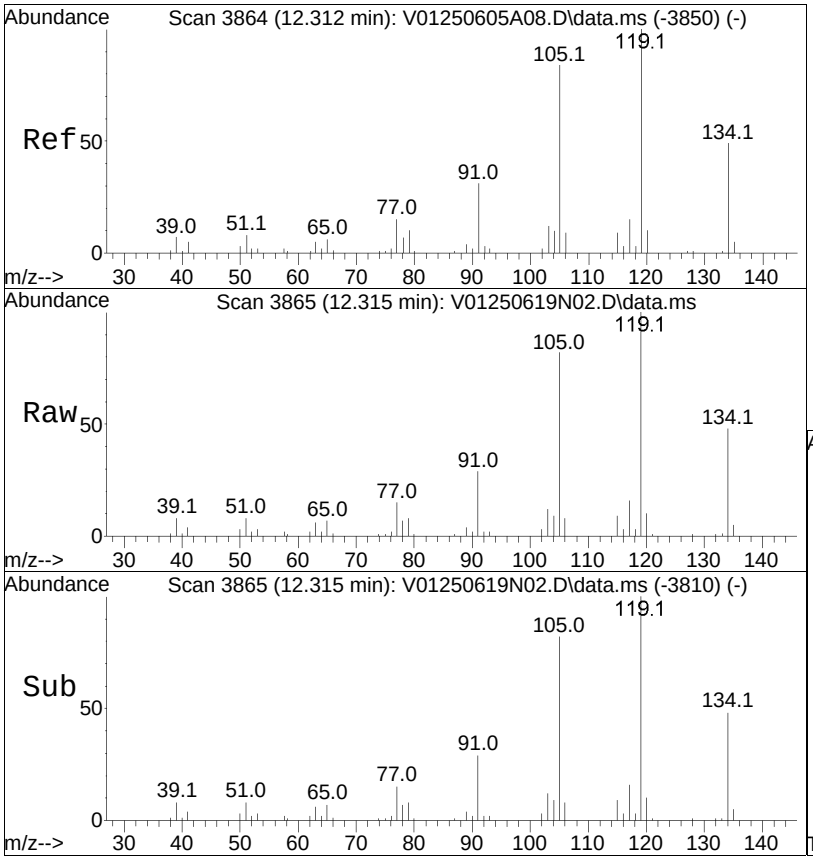


#101
1,4-Dichlorobenzene
Concen: 9.45 ug/L
RT: 12.098 min Scan# 3787
Delta R.T. 0.004 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:146 Resp: 119385

Ion	Ratio	Lower	Upper
146	100		
111	38.0	30.1	45.1
148	65.0	50.8	76.2

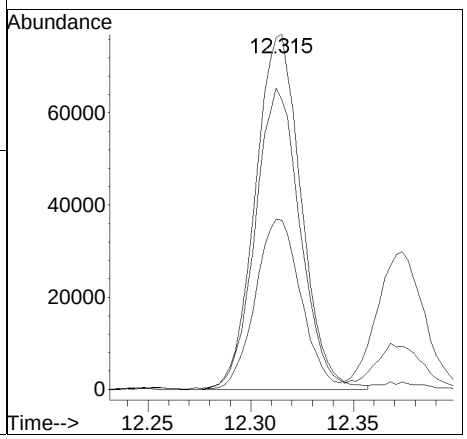


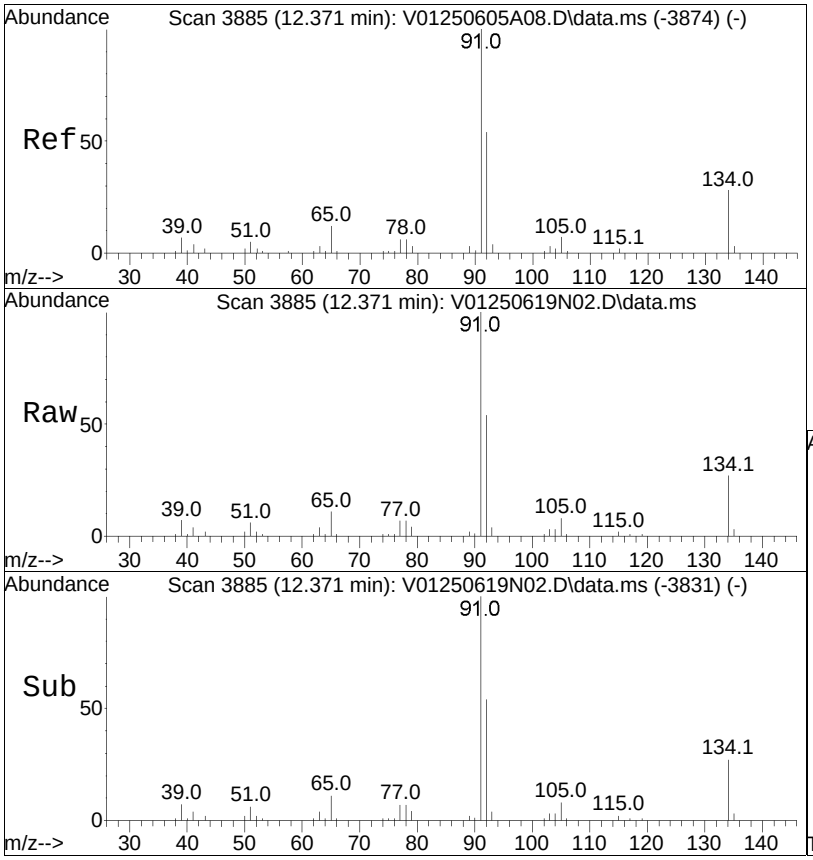


#102
p-Diethylbenzene
Concen: 9.13 ug/L
RT: 12.315 min Scan# 3865
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:119 Resp: 119286

Ion	Ratio	Lower	Upper
119	100		
105	83.4	53.6	111.4
134	47.9	30.7	63.9

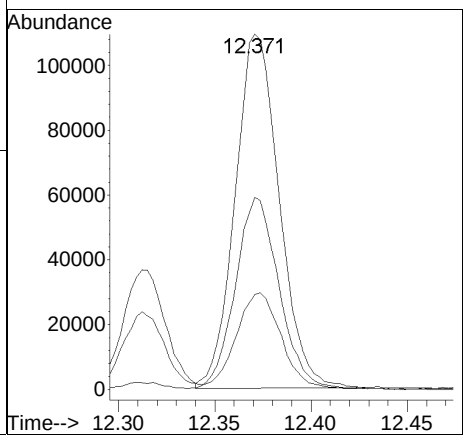


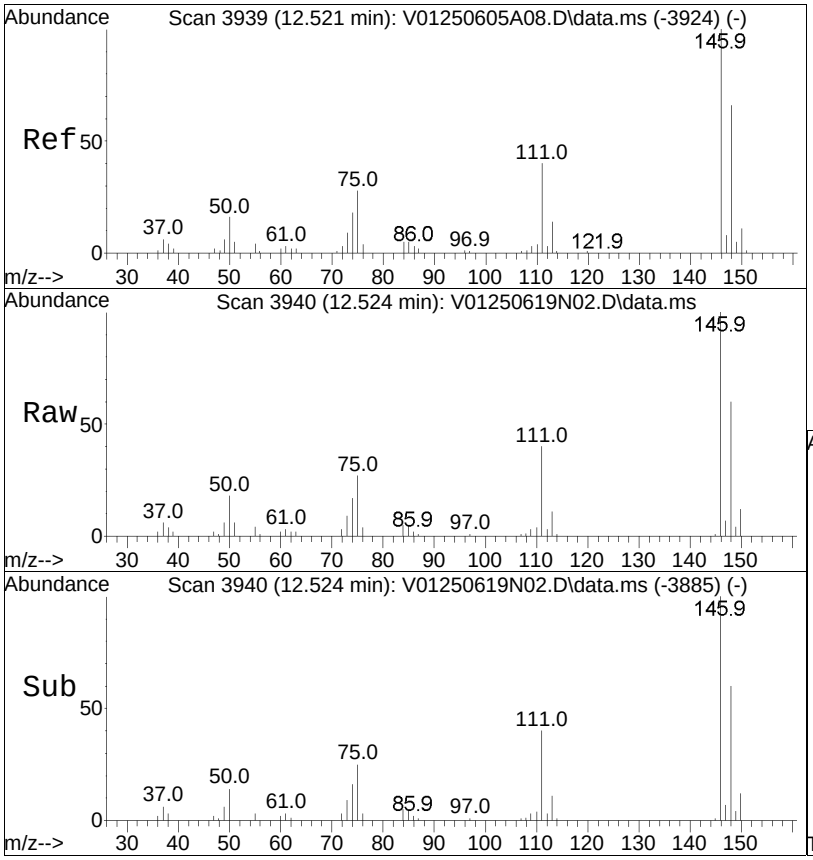


#103
n-Butylbenzene
Concen: 9.59 ug/L
RT: 12.371 min Scan# 3885
Delta R.T. -0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion: 91 Resp: 174176

Ion	Ratio	Lower	Upper
91	100		
92	53.2	44.4	66.6
134	27.7	23.2	34.8

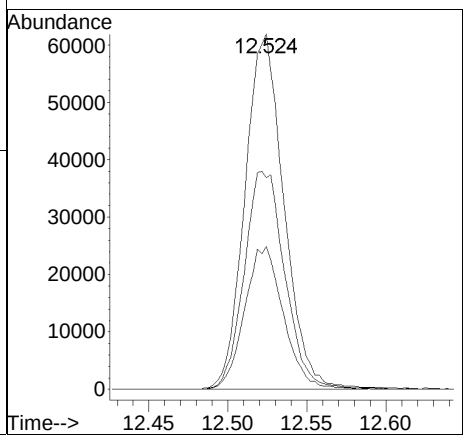


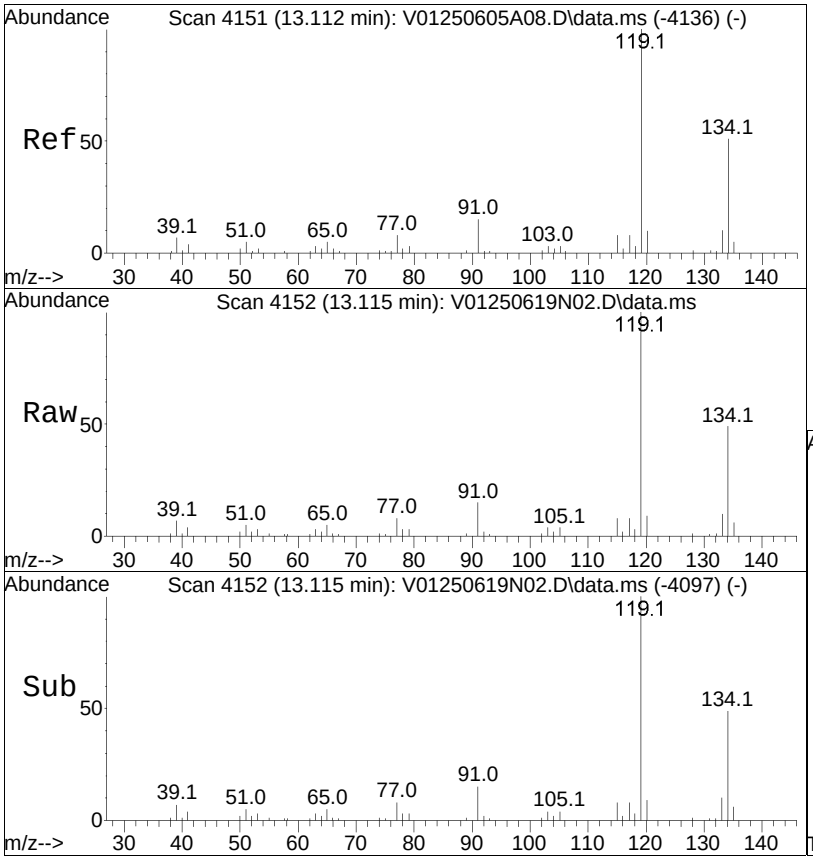


#104
1,2-Dichlorobenzene
Concen: 9.77 ug/L
RT: 12.524 min Scan# 3940
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:146 Resp: 106416

Ion	Ratio	Lower	Upper
146	100		
111	40.0	26.2	54.4
148	64.0	41.5	86.3

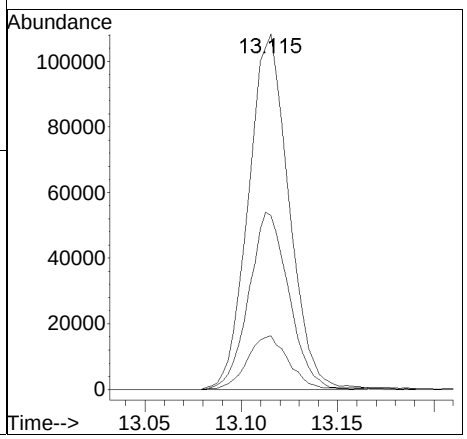


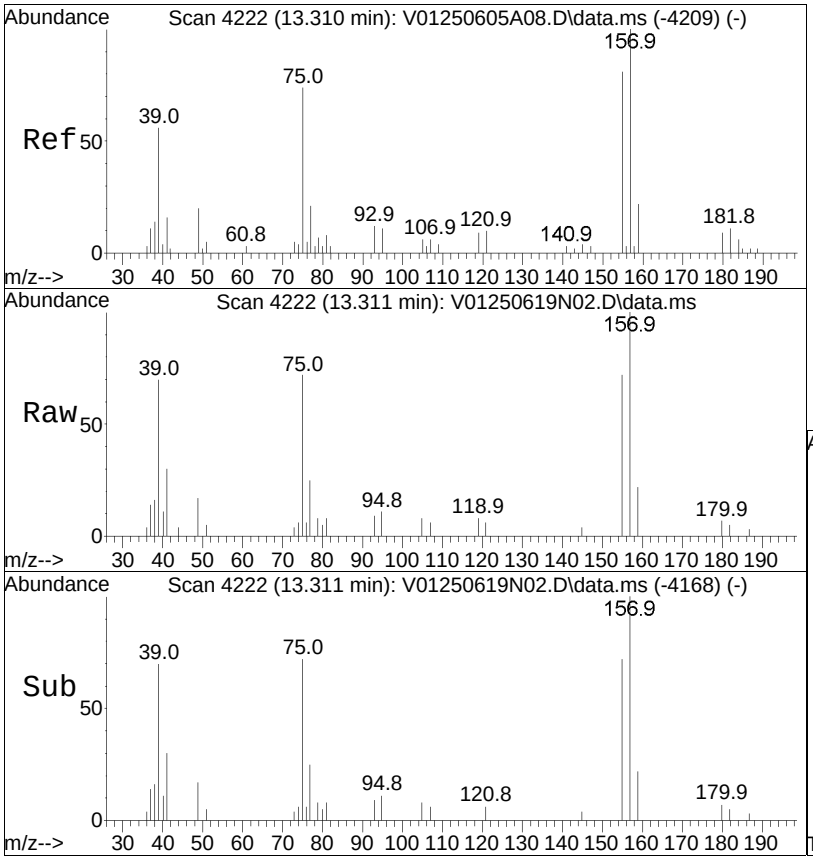


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.59 ug/L
RT: 13.115 min Scan# 4152
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:119 Resp: 158187

Ion	Ratio	Lower	Upper
119	100		
134	49.6	32.3	67.1
91	15.4	9.8	20.3

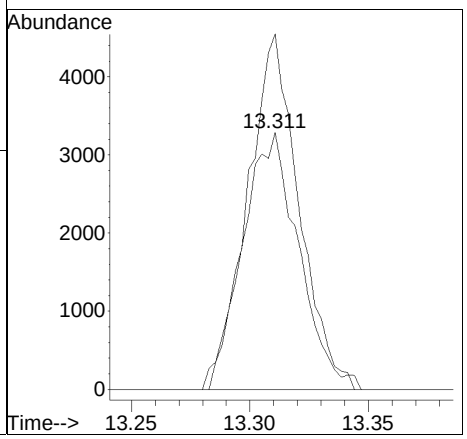


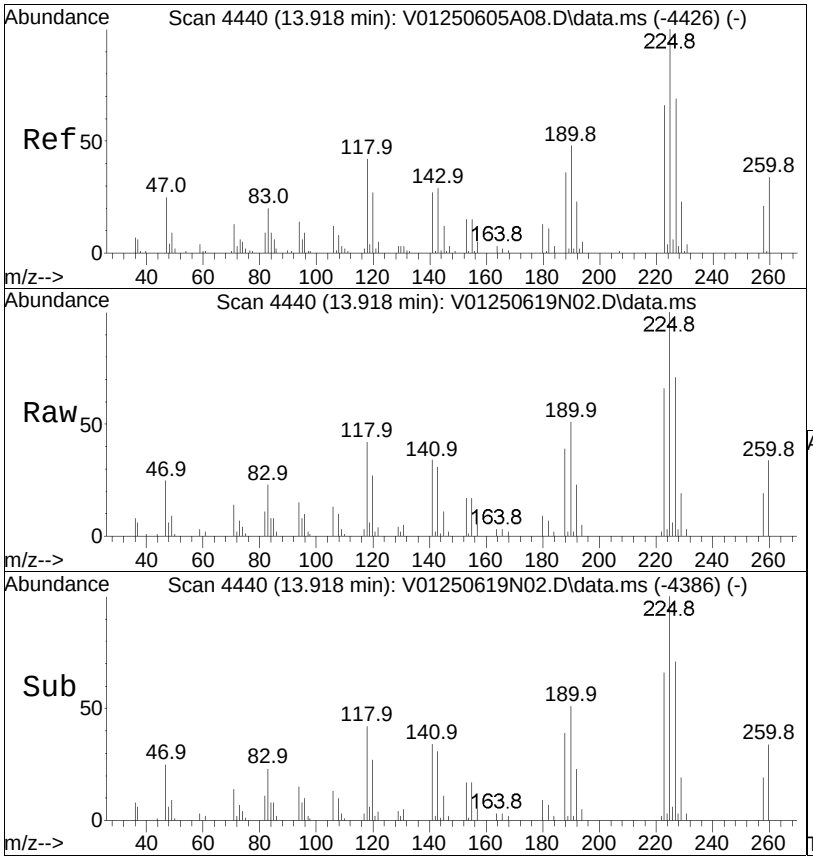


#106
1,2-Dibromo-3-chloropropane
Concen: 8.05 ug/L
RT: 13.311 min Scan# 4222
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:155 Resp: 5425

Ion	Ratio	Lower	Upper
155	100		
157	126.0	104.3	156.5

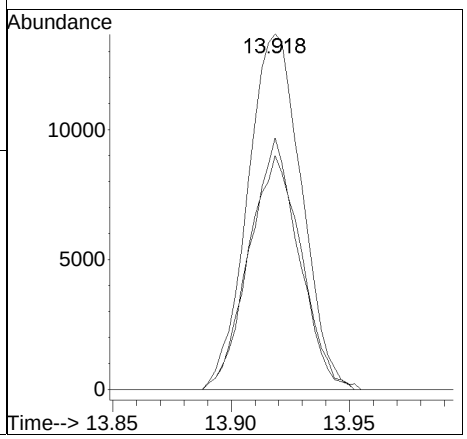


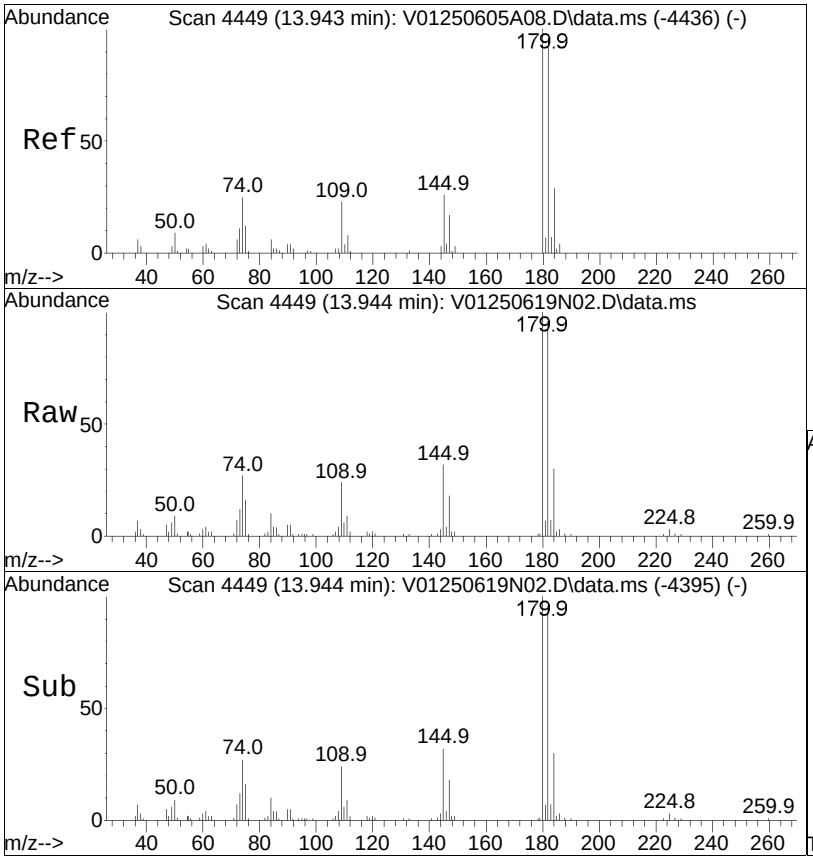


#108
Hexachlorobutadiene
Concen: 8.09 ug/L
RT: 13.918 min Scan# 4440
Delta R.T. 0.000 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:225 Resp: 21672

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.8	76.2
227	65.9	51.8	77.8

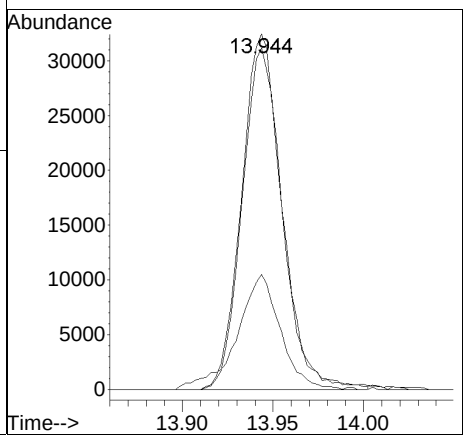


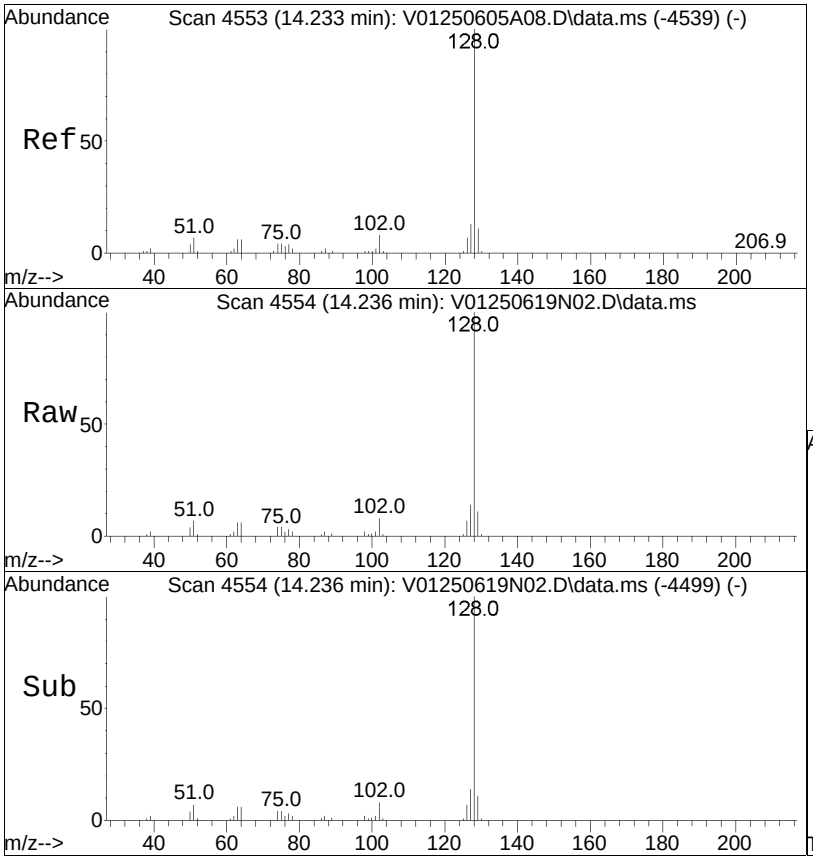


#109
1,2,4-Trichlorobenzene
Concen: 8.59 ug/L
RT: 13.944 min Scan# 4449
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:180 Resp: 50625

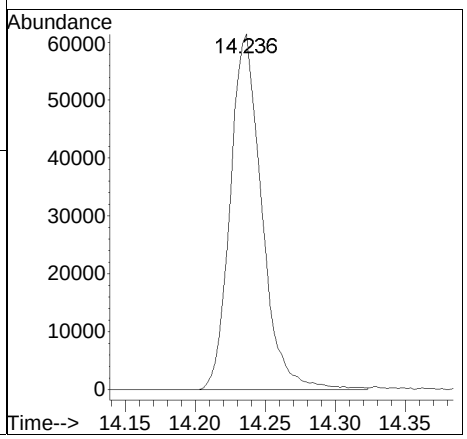
Ion	Ratio	Lower	Upper
180	100		
182	94.1	77.2	115.8
145	34.3	26.1	39.1

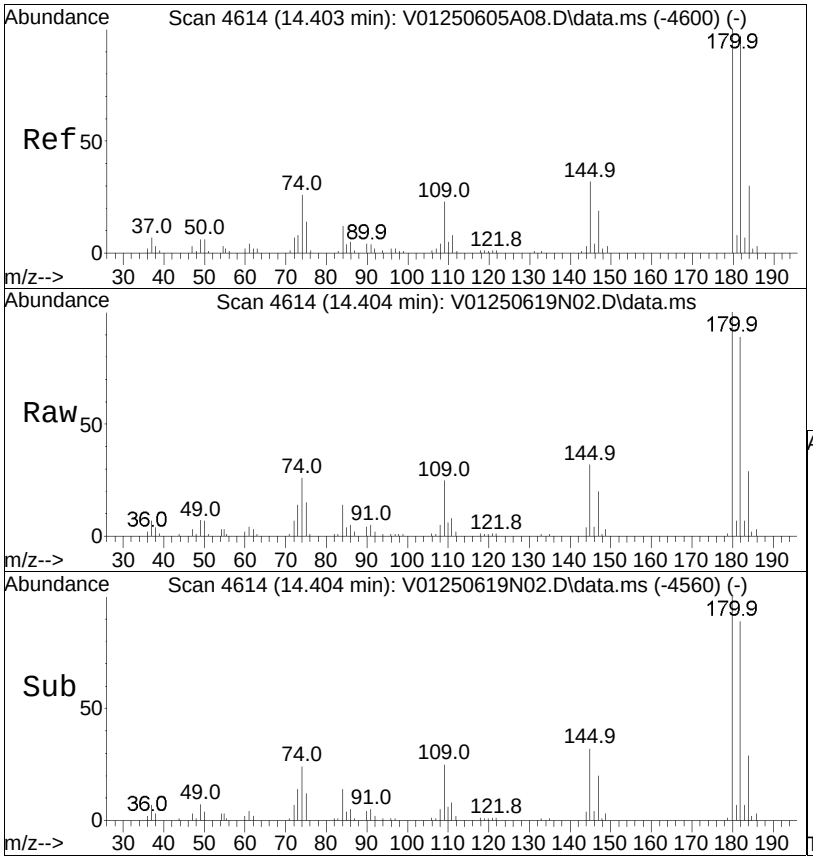




#110
Naphthalene
Concen: 9.01 ug/L
RT: 14.236 min Scan# 4554
Delta R.T. 0.003 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:128 Resp: 96043

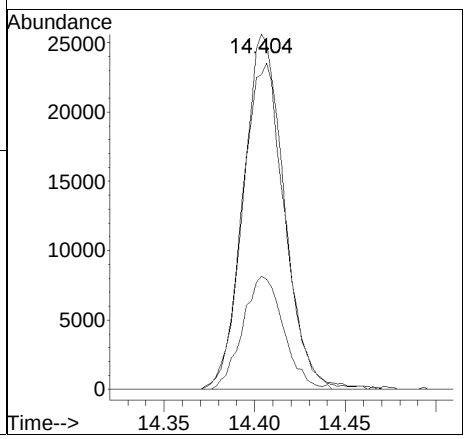




#111
1,2,3-Trichlorobenzene
Concen: 8.93 ug/L
RT: 14.404 min Scan# 4614
Delta R.T. 0.001 min
Lab File: V01250619N02.D
Acq: 19 Jun 2025 8:32 pm

Tgt Ion:180 Resp: 40244

Ion	Ratio	Lower	Upper
180	100		
182	94.2	78.1	117.1
145	31.8	25.3	37.9

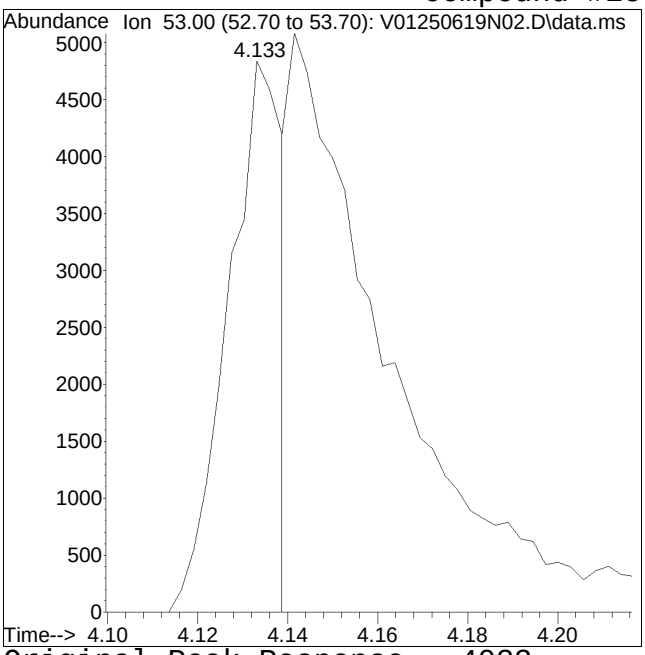


Manual Integration Report

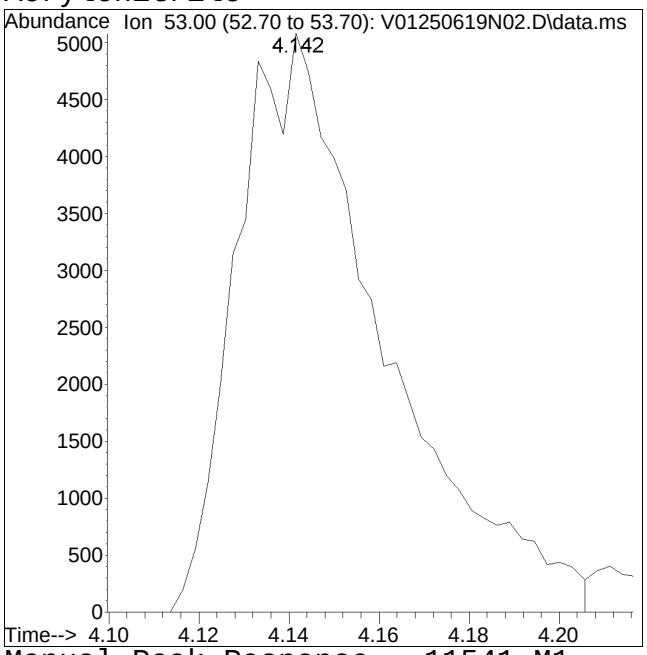
Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N02.D
Date Inj'd : 6/19/2025 8:32 pm
Sample : WG2081999-3,31,10,10

QMethod : V101_250605A_8260.m
Operator : VOA101:TMS
Instrument : VOA 101
Quant Date : 6/19/2025 8:55 pm

Compound #25: Acrylonitrile



Original Peak Response = 4033



Manual Peak Response = 11541 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.050	96	289219	10.000	ug/L		0.00
63) Chlorobenzene-d5	9.587	117	244984	10.000	ug/L	#	0.00
84) 1,4-Dichlorobenzene-d4	12.288	152	158819	10.000	ug/L		0.00
System Monitoring Compounds							
39) Dibromofluoromethane	5.231	113	98665	10.950	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.50%				
47) 1,2-Dichloroethane-d4	5.756	65	81457	10.329	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.29%				
64) Toluene-d8	7.740	98	316855	9.800	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.00%				
88) 4-Bromofluorobenzene	11.080	95	116301	9.128	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 91.28%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	73693	10.844	ug/L		94
3) Chloromethane	1.846	50	72606	10.347	ug/L		98
4) Vinyl chloride	1.919	62	73456	10.820	ug/L		99
5) Bromomethane	2.232	94	35727	7.938	ug/L		96
6) Chloroethane	2.358	64	49206	12.424	ug/L		100
7) Trichlorofluoromethane	2.498	101	98403	11.948	ug/L		98
8) Ethyl ether	2.790	74	23230	8.829	ug/L		82
10) 1,1-Dichloroethene	2.990	96	59802	11.175	ug/L	#	68
11) Carbon disulfide	3.023	76	173991	11.631	ug/L		99
15) Methylene chloride	3.542	84	67699	10.970	ug/L		76
17) Acetone	3.569	43	8337	8.510	ug/L	#	89
18) trans-1,2-Dichloroethene	3.695	96	62283	10.891	ug/L		78
21) Methyl tert-butyl ether	3.788	73	75361	6.823	ug/L		90
25) 1,1-Dichloroethane	4.274	63	115987	11.343	ug/L	#	97
27) Acrylonitrile	4.307	53	11629	10.262	ug/L		94
29) Vinyl acetate	4.506	43	53476	8.823	ug/L	#	92
30) cis-1,2-Dichloroethene	4.792	96	69407	10.649	ug/L	#	78
31) 2,2-Dichloropropane	4.899	77	86568	10.919	ug/L		79
33) Bromochloromethane	4.985	128	33518	10.588	ug/L	#	54
35) Chloroform	5.058	83	111947	10.538	ug/L		92
37) Carbon tetrachloride	5.198	117	78249	10.598	ug/L		98
40) 1,1,1-Trichloroethane	5.265	97	87040	10.589	ug/L		91
42) 2-Butanone	5.344	43	8166	7.129	ug/L		97
43) 1,1-Dichloropropene	5.384	75	57530	9.161	ug/L		91

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
45) Benzene	5.626	78	190934	9.519	ug/L		94
48) 1,2-Dichloroethane	5.824	62	58459	9.614	ug/L	#	95
52) Trichloroethene	6.228	95	48004	9.099	ug/L	#	88
54) Dibromomethane	6.666	93	30014	9.899	ug/L	#	79
55) 1,2-Dichloropropane	6.768	63	44335	9.084	ug/L		96
58) Bromodichloromethane	6.844	83	62437	8.861	ug/L	#	97
61) 1,4-Dioxane	7.049	88	12531	375.448	ug/L	#	85
62) cis-1,3-Dichloropropene	7.535	75	64849	8.466	ug/L	#	78
65) Toluene	7.801	92	134631	9.715	ug/L		97
66) 4-Methyl-2-pentanone	8.233	58	7441	7.201	ug/L	#	74
67) Tetrachloroethene	8.253	166	63088	9.993	ug/L	#	87
69) trans-1,3-Dichloropropene	8.280	75	53466	8.038	ug/L	#	75
72) 1,1,2-Trichloroethane	8.465	83	25903	7.771	ug/L		94
73) Chlorodibromomethane	8.677	129	40234	7.634	ug/L	#	98
74) 1,3-Dichloropropane	8.787	76	55751	8.024	ug/L		99
75) 1,2-Dibromoethane	8.951	107	32620	8.136	ug/L		99
77) 2-Hexanone	9.245	43	12033	7.113	ug/L		93
78) Chlorobenzene	9.608	112	153551	9.792	ug/L		100
79) Ethylbenzene	9.649	91	257367	9.852	ug/L		94
80) 1,1,1,2-Tetrachloroethane	9.690	131	43924	8.280	ug/L		98
81) p/m Xylene	9.841	106	219840	20.552	ug/L		87
82) o Xylene	10.374	106	210392	20.101	ug/L		89
83) Styrene	10.443	104	339549	19.785	ug/L		90
85) Bromoform	10.463	173	25496	7.387	ug/L		94
87) Isopropylbenzene	10.758	105	263454	9.076	ug/L		95
89) Bromobenzene	11.190	156	68857	8.970	ug/L		99
90) n-Propylbenzene	11.238	91	316819	9.454	ug/L		92
92) 1,1,2,2-Tetrachloroethane	11.320	83	37481	7.860	ug/L	#	99
93) 4-Ethyltoluene	11.361	105	272649	9.542	ug/L		95
94) 2-Chlorotoluene	11.403	91	190260M6	9.405	ug/L		
95) 1,3,5-Trimethylbenzene	11.464	105	228652	9.678	ug/L		95
96) 1,2,3-Trichloropropane	11.457	75	29989	7.898	ug/L		85
97) trans-1,4-Dichloro-2-b...	11.505	53	8833	7.842	ug/L	#	83
98) 4-Chlorotoluene	11.581	91	199456	9.323	ug/L	#	87
99) tert-Butylbenzene	11.800	119	199113	9.232	ug/L		89
102) 1,2,4-Trimethylbenzene	11.876	105	223002	9.766	ug/L		93
103) sec-Butylbenzene	11.993	105	290661	9.665	ug/L		92
104) p-Isopropyltoluene	12.143	119	254320	9.658	ug/L		93
105) 1,3-Dichlorobenzene	12.212	146	146033	9.735	ug/L		96
106) 1,4-Dichlorobenzene	12.301	146	146937	9.689	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
107) p-Diethylbenzene	12.521	119	144854	9.545	ug/L		93
108) n-Butylbenzene	12.576	91	205587	10.004	ug/L	#	96
109) 1,2-Dichlorobenzene	12.727	146	134353	9.654	ug/L		95
110) 1,2,4,5-Tetramethylben...	13.310	119	217703	9.956	ug/L		93
111) 1,2-Dibromo-3-chloropr...	13.495	155	7182	8.489	ug/L		99
113) Hexachlorobutadiene	14.112	225	39103	10.225	ug/L		99
114) 1,2,4-Trichlorobenzene	14.133	180	94634	10.448	ug/L		96
115) Naphthalene	14.428	128	160048	9.058	ug/L		100
116) 1,2,3-Trichlorobenzene	14.593	180	88205	10.423	ug/L		96

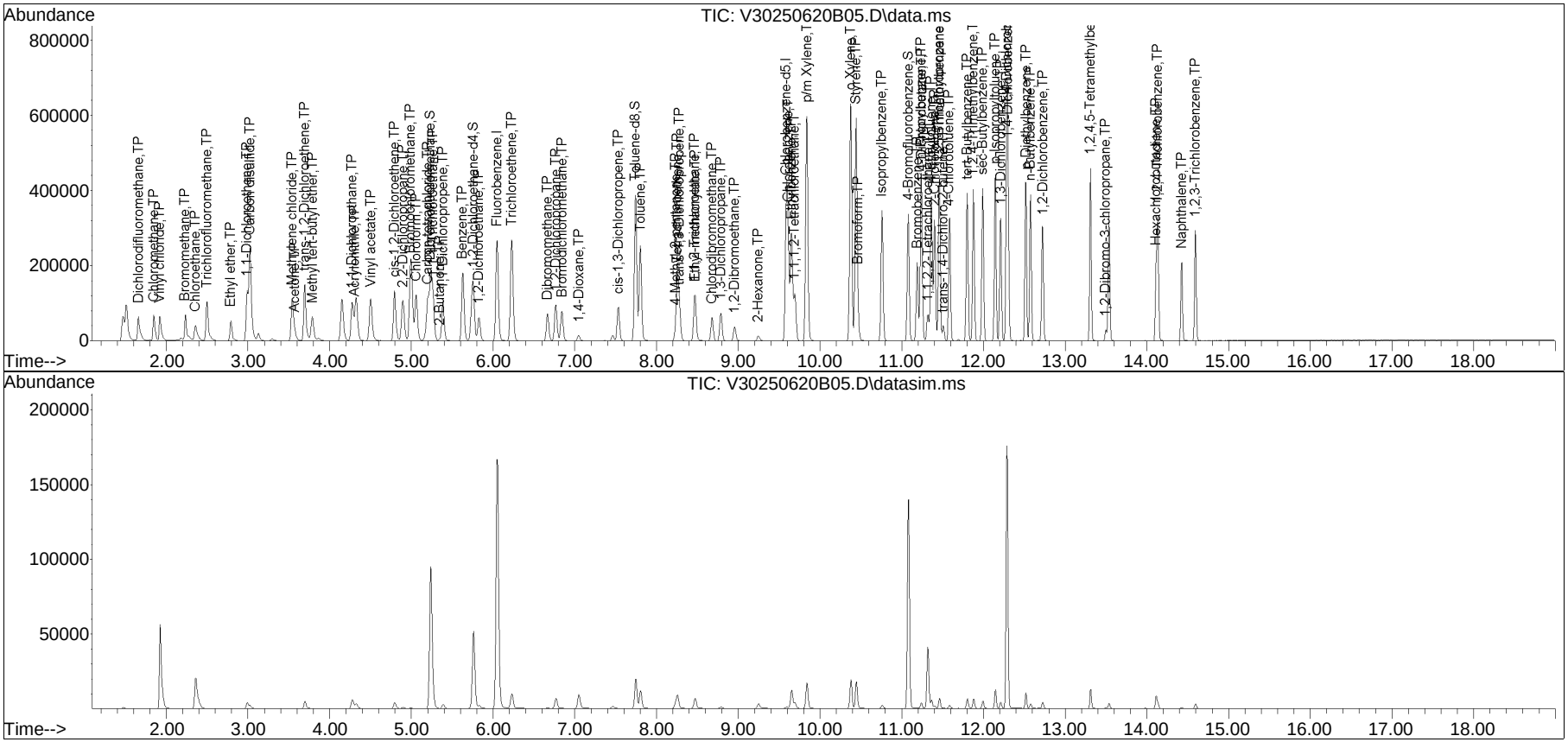
(#) = qualifier out of range (m) = manual integration (+) = signals summed

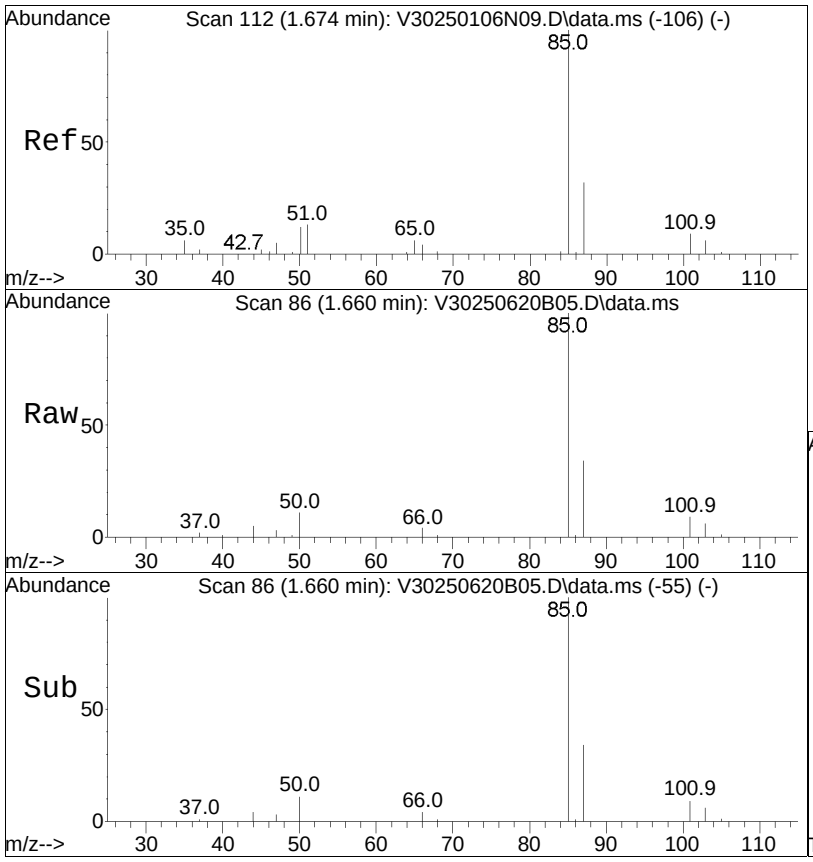
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Acq On : 20 Jun 2025 11:46 am
Operator : VOA130:PID
Sample : WG2082353-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 20 12:15:31 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox

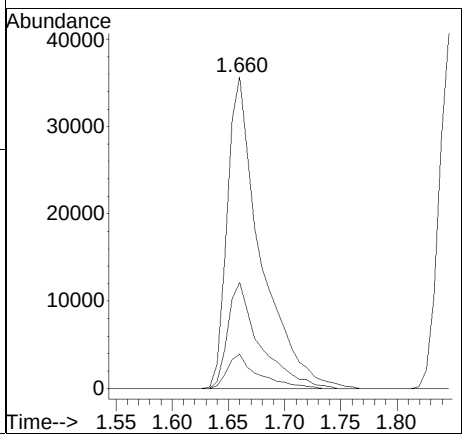


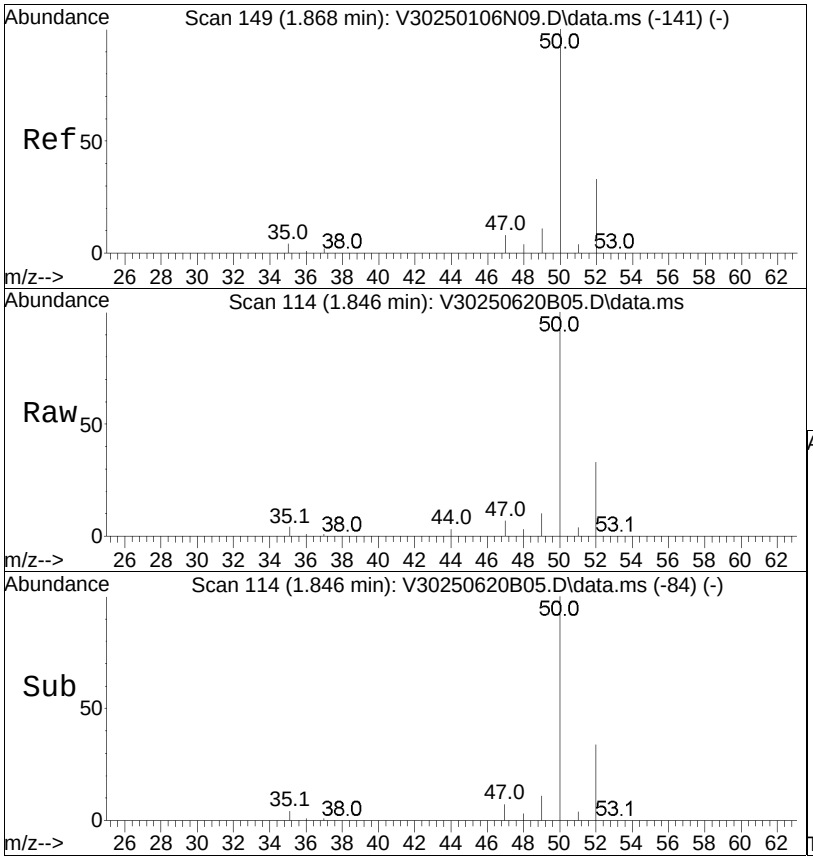


#2
Dichlorodifluoromethane
Concen: 10.84 ug/L
RT: 1.660 min Scan# 86
Delta R.T. 0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 85 Resp: 73693

Ion	Ratio	Lower	Upper
85	100		
87	32.8	20.2	42.0
50	10.2	10.1	20.9

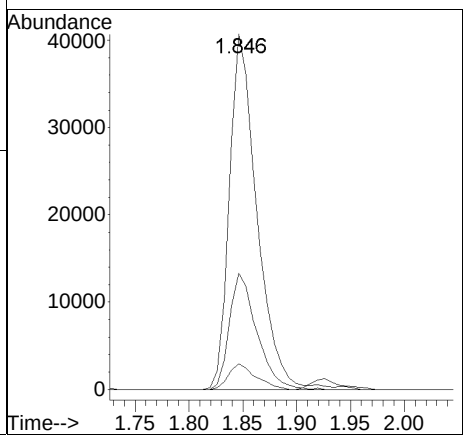


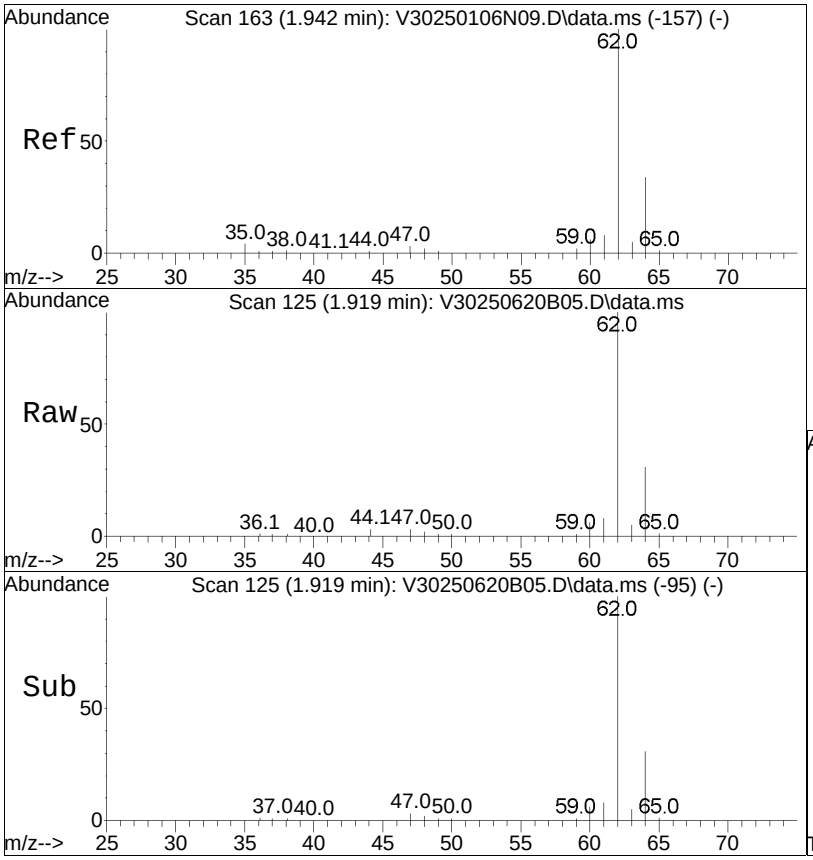


#3
Chloromethane
Concen: 10.35 ug/L
RT: 1.846 min Scan# 114
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 50 Resp: 72606

Ion	Ratio	Lower	Upper
50	100		
52	32.3	25.1	37.7
47	7.1	6.5	9.7

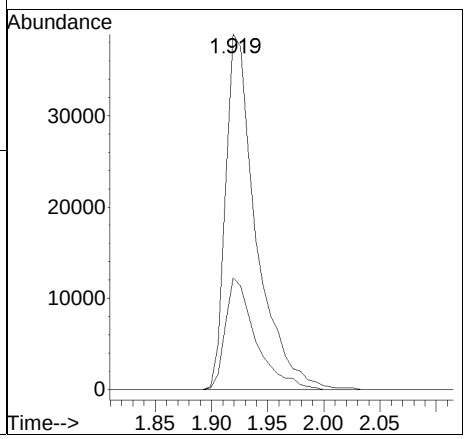


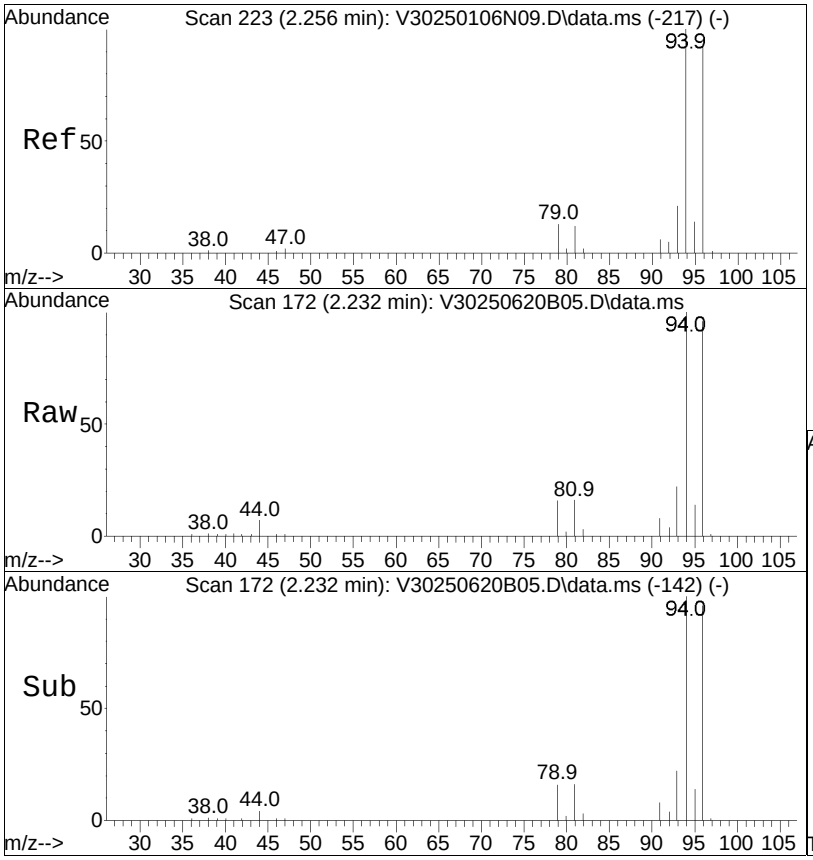


#4
Vinyl chloride
Concen: 10.82 ug/L
RT: 1.919 min Scan# 125
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 62 Resp: 73456

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.7	38.5

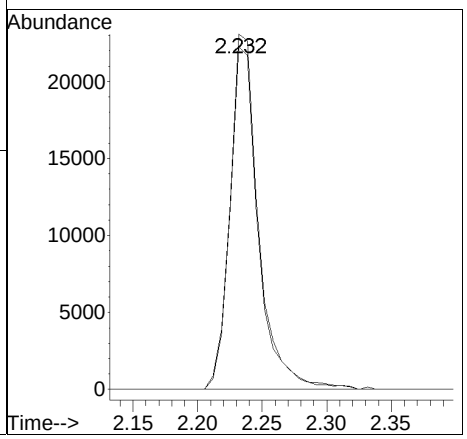


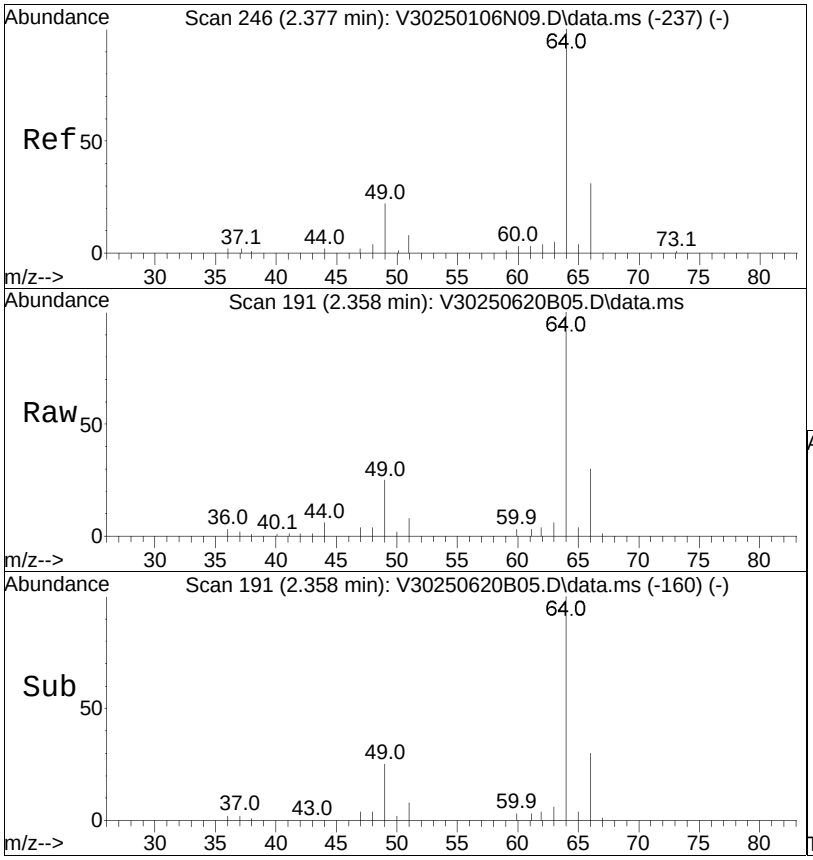


#5
Bromomethane
Concen: 7.94 ug/L
RT: 2.232 min Scan# 172
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 94 Resp: 35727

Ion	Ratio	Lower	Upper
94	100		
96	95.8	73.7	110.5

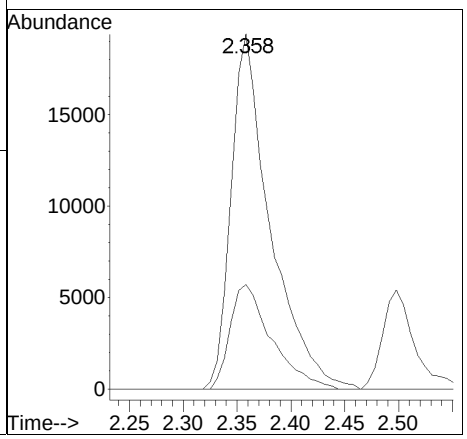


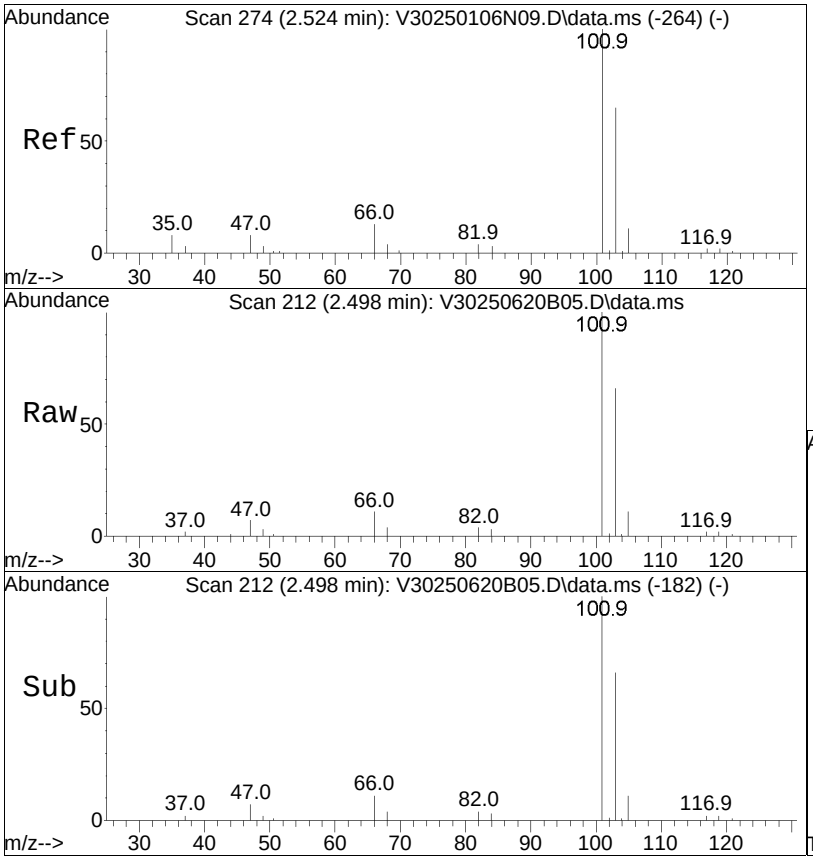


#6
Chloroethane
Concen: 12.42 ug/L
RT: 2.358 min Scan# 191
Delta R.T. 0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 64 Resp: 49206

Ion	Ratio	Lower	Upper
64	100		
66	31.4	25.3	37.9

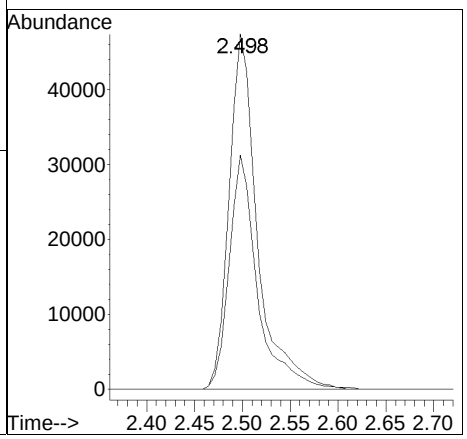


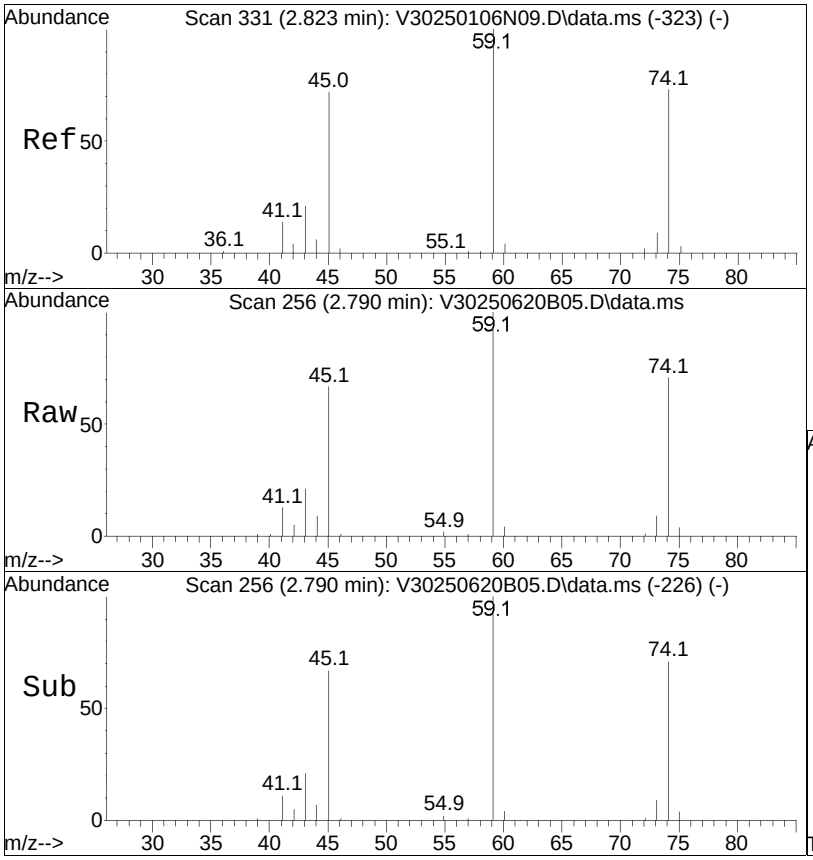


#7
Trichlorofluoromethane
Concen: 11.95 ug/L
RT: 2.498 min Scan# 212
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:101 Resp: 98403

Ion	Ratio	Lower	Upper
101	100		
103	65.5	51.0	76.4

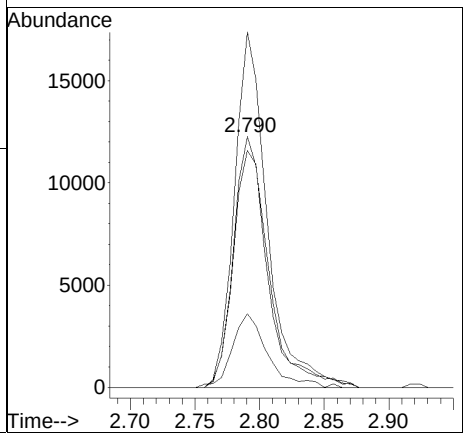


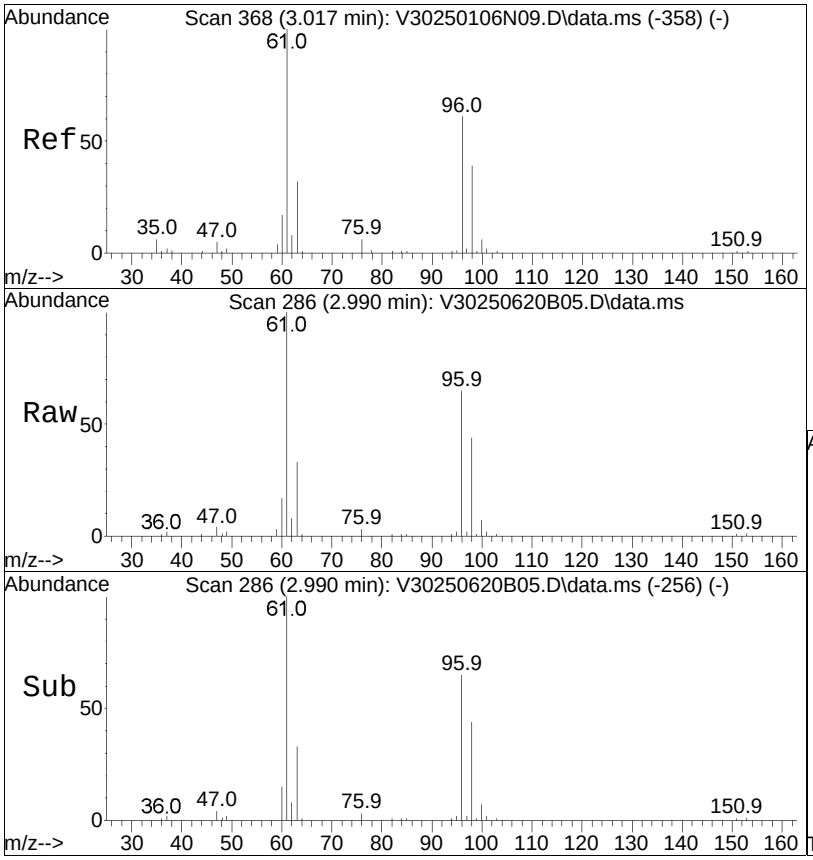


#8
Ethyl ether
Concen: 8.83 ug/L
RT: 2.790 min Scan# 256
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 74 Resp: 23230

Ion	Ratio	Lower	Upper
74	100		
59	133.3	97.6	202.8
45	94.6	80.6	167.4
43	29.5	24.8	51.6

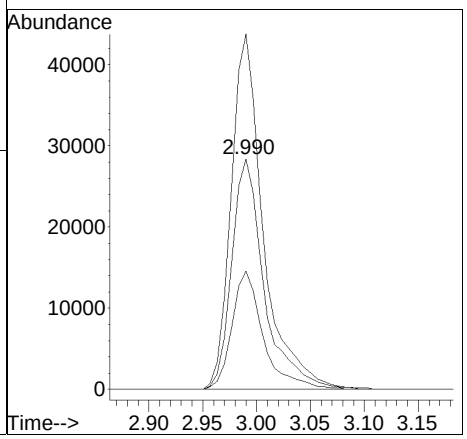


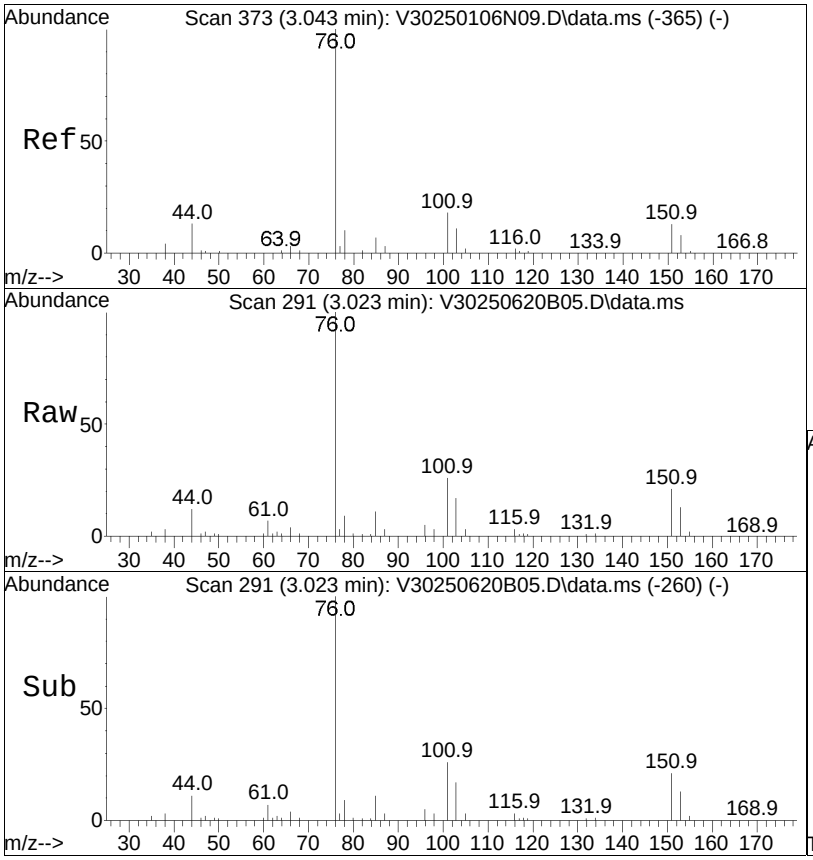


#10
1,1-Dichloroethene
Concen: 11.18 ug/L
RT: 2.990 min Scan# 286
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 96 Resp: 59802

Ion	Ratio	Lower	Upper
96	100		
61	152.2	165.5	248.3#
63	49.6	51.9	77.9#

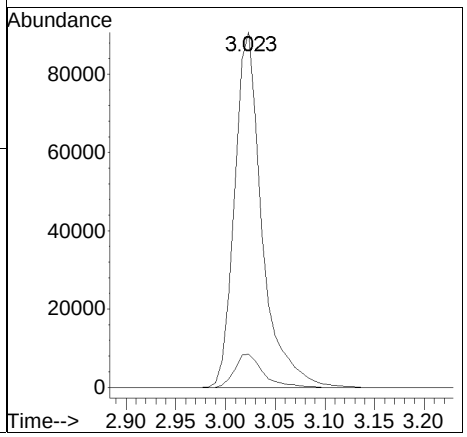


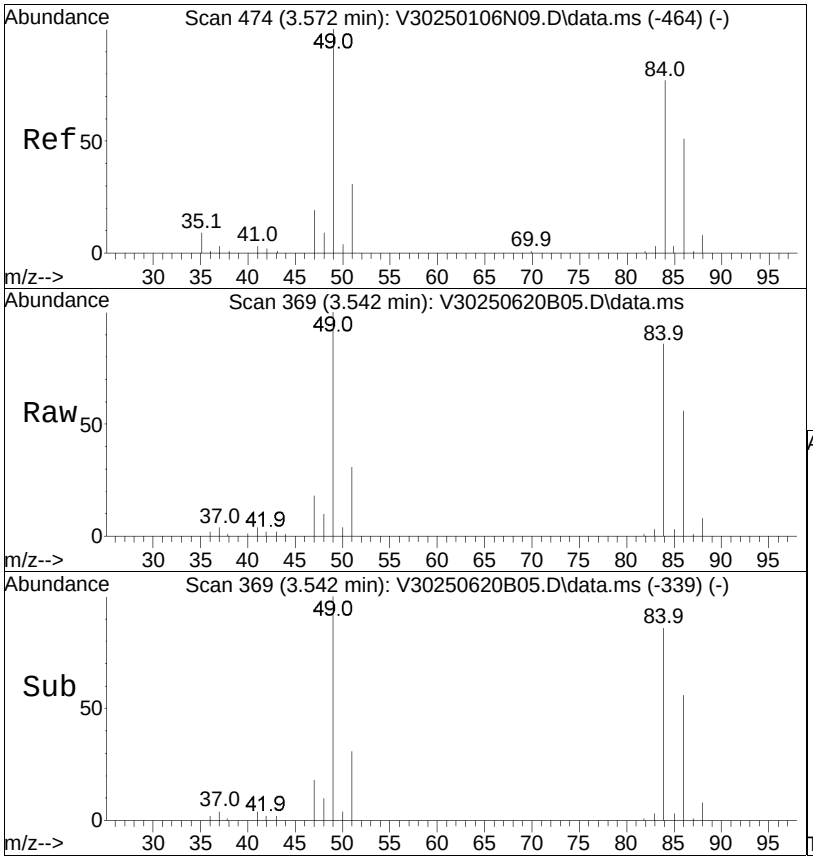


#11
Carbon disulfide
Concen: 11.63 ug/L
RT: 3.023 min Scan# 291
Delta R.T. 0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 76 Resp: 173991

Ion	Ratio	Lower	Upper
76	100		
78	9.7	6.4	13.4

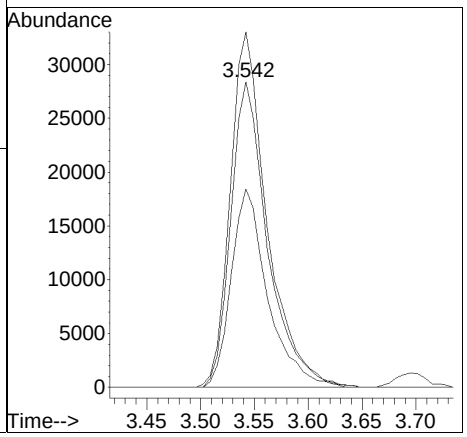


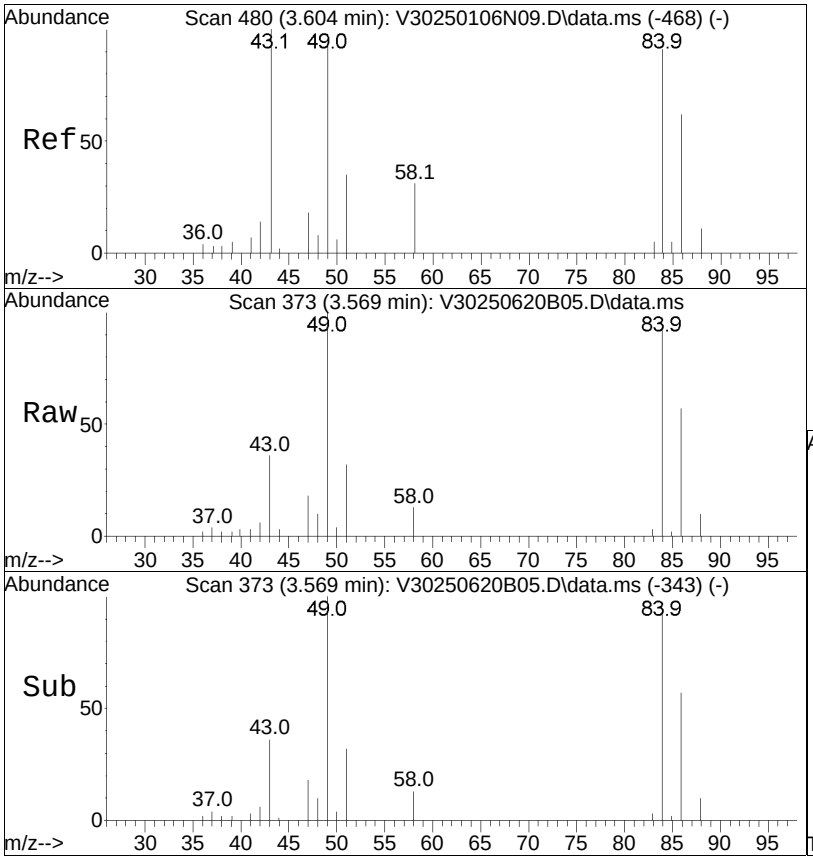


#15
Methylene chloride
Concen: 10.97 ug/L
RT: 3.542 min Scan# 369
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 84 Resp: 67699

Ion	Ratio	Lower	Upper
84	100		
86	64.4	41.7	86.5
49	116.3	103.9	215.9

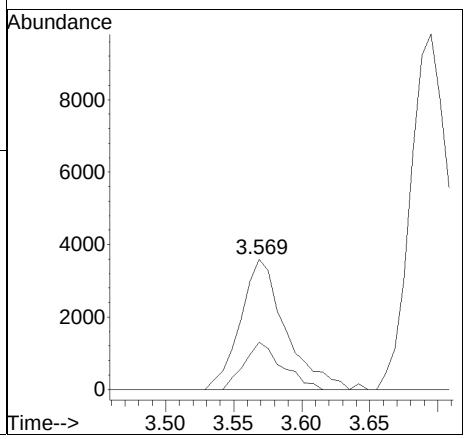


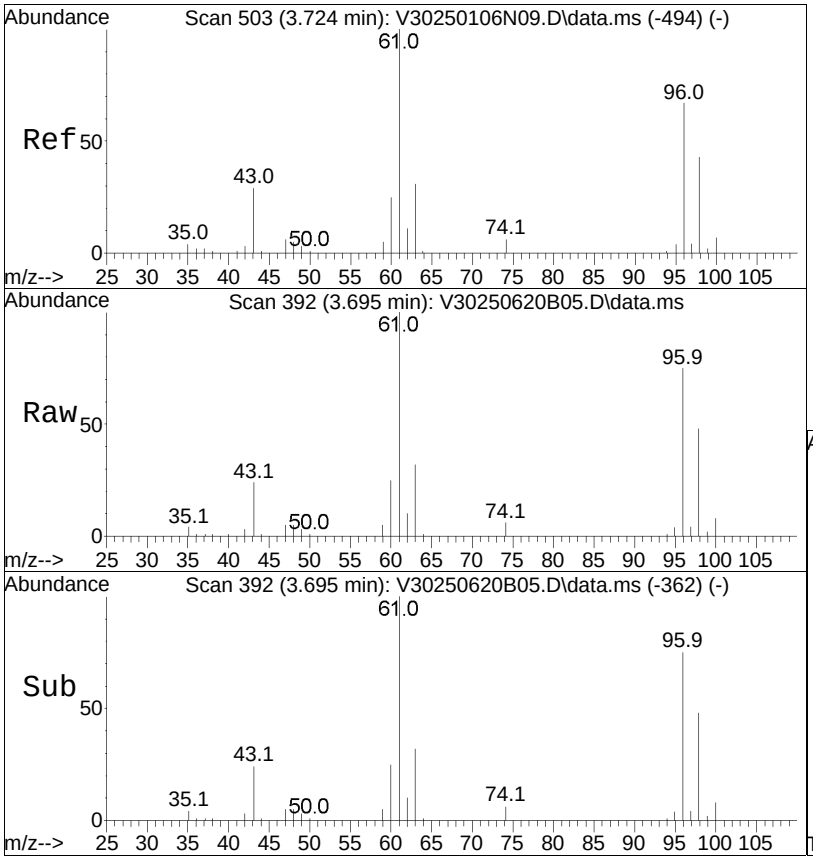


#17
Acetone
Concen: 8.51 ug/L
RT: 3.569 min Scan# 373
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 43 Resp: 8337

Ion	Ratio	Lower	Upper
43	100		
58	30.5	20.1	30.1#

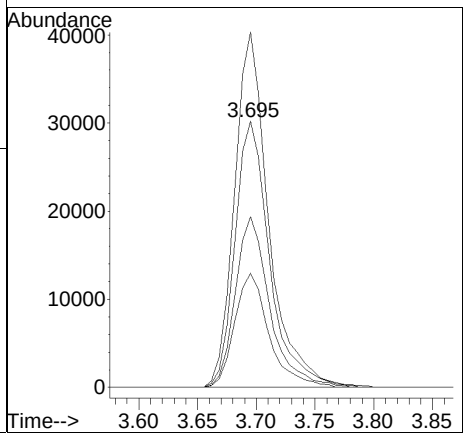


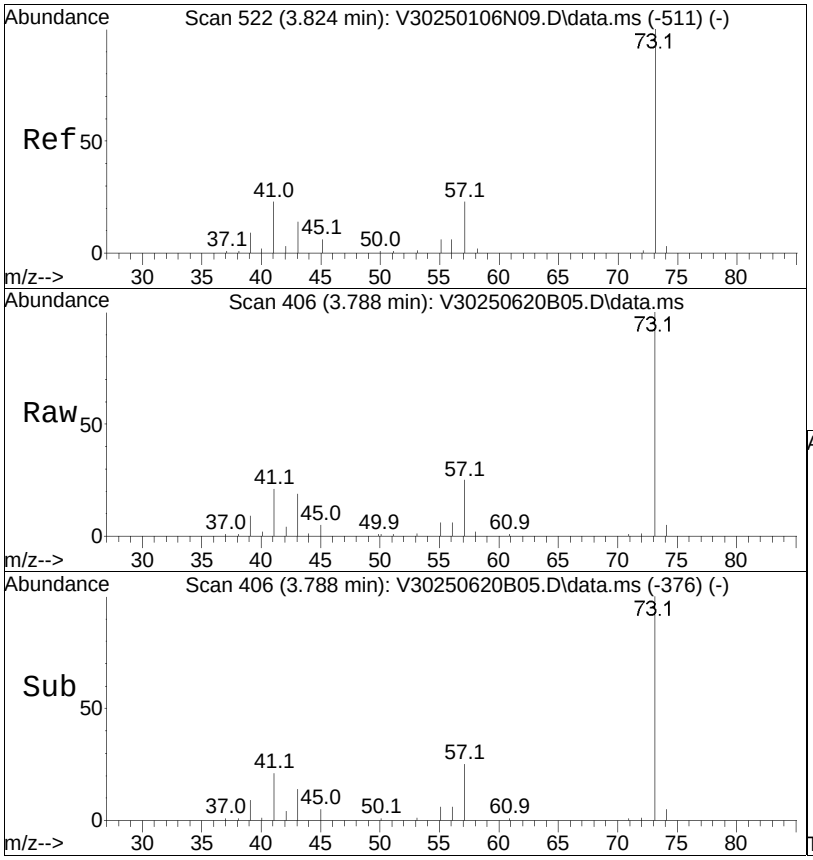


#18
trans-1,2-Dichloroethene
Concen: 10.89 ug/L
RT: 3.695 min Scan# 392
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 96 Resp: 62283

Ion	Ratio	Lower	Upper
96	100		
61	131.5	113.6	236.0
98	63.7	40.8	84.8
63	42.6	36.5	75.7

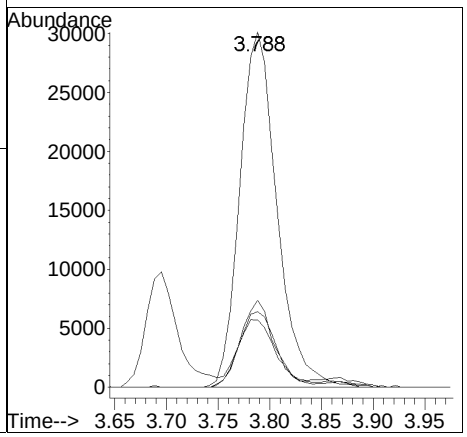


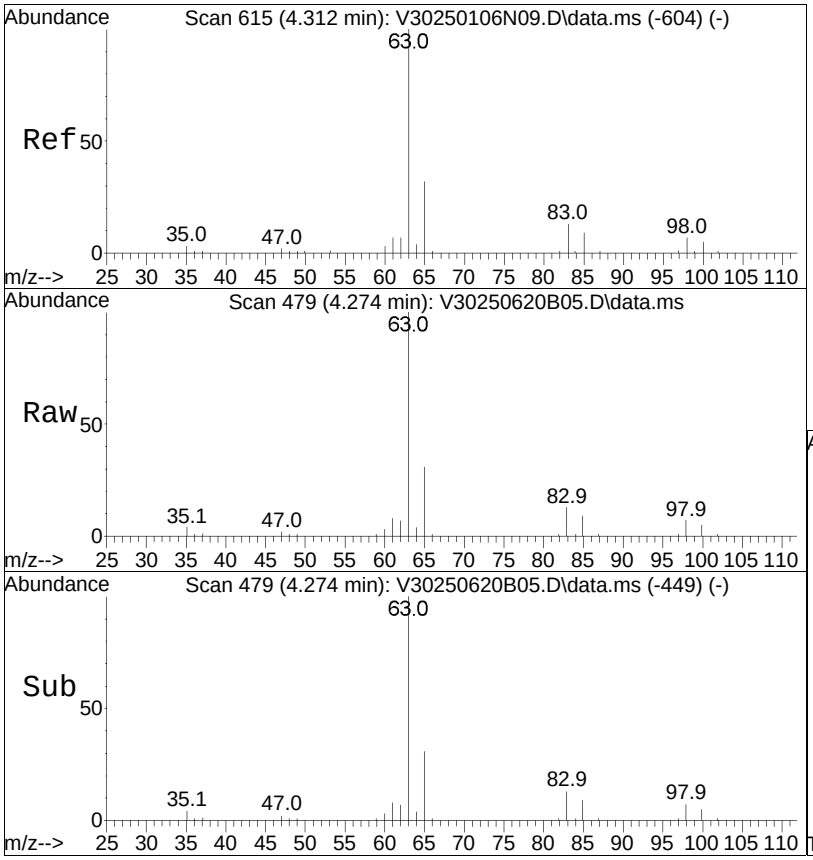


#21
Methyl tert-butyl ether
Concen: 6.82 ug/L
RT: 3.788 min Scan# 406
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 73 Resp: 75361

Ion	Ratio	Lower	Upper
73	100		
57	22.4	15.5	32.1
43	17.7	16.6	34.6
41	21.4	17.2	35.6

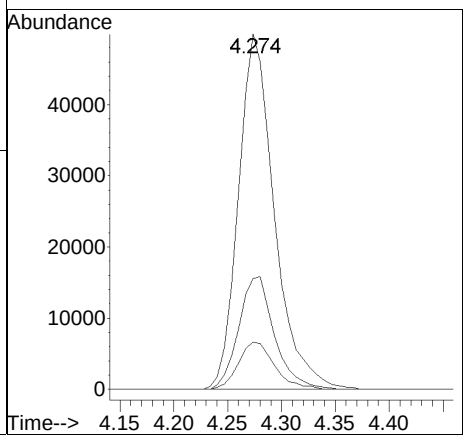


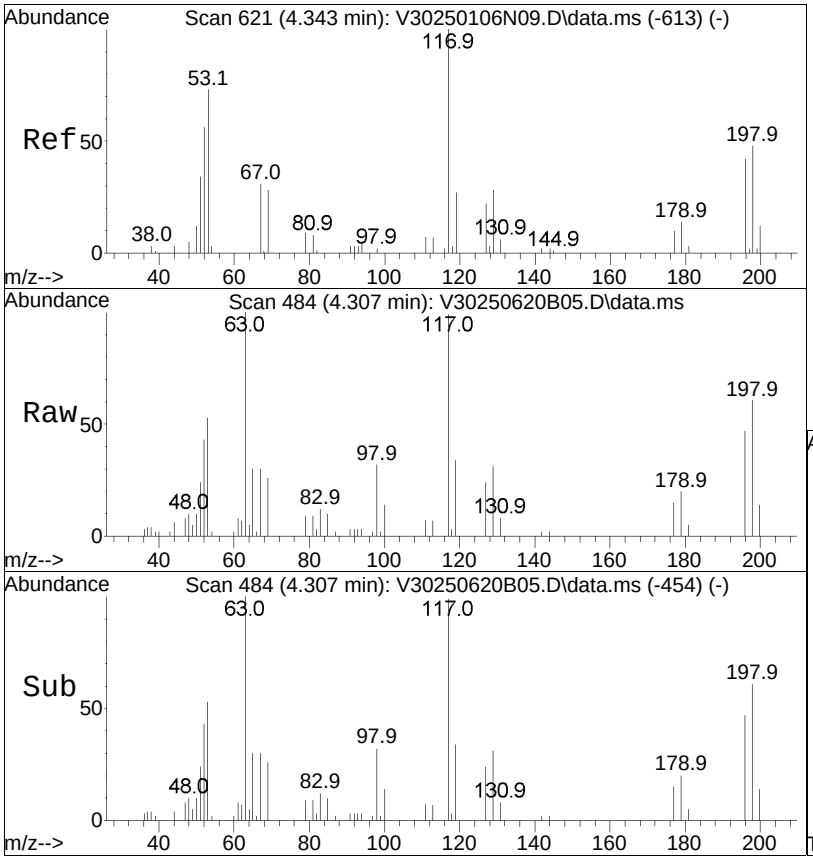


#25
1,1-Dichloroethane
Concen: 11.34 ug/L
RT: 4.274 min Scan# 479
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 63 Resp: 115987

Ion	Ratio	Lower	Upper
63	100		
65	31.6	24.5	36.7
83	13.4	8.9	13.3#

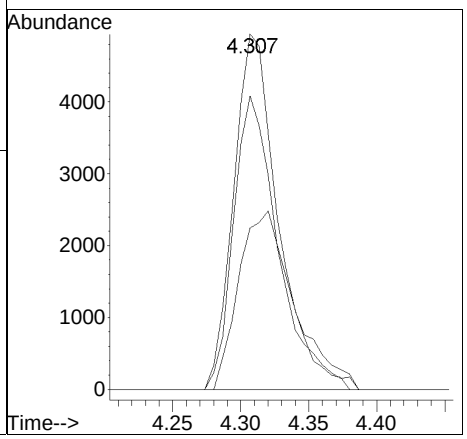


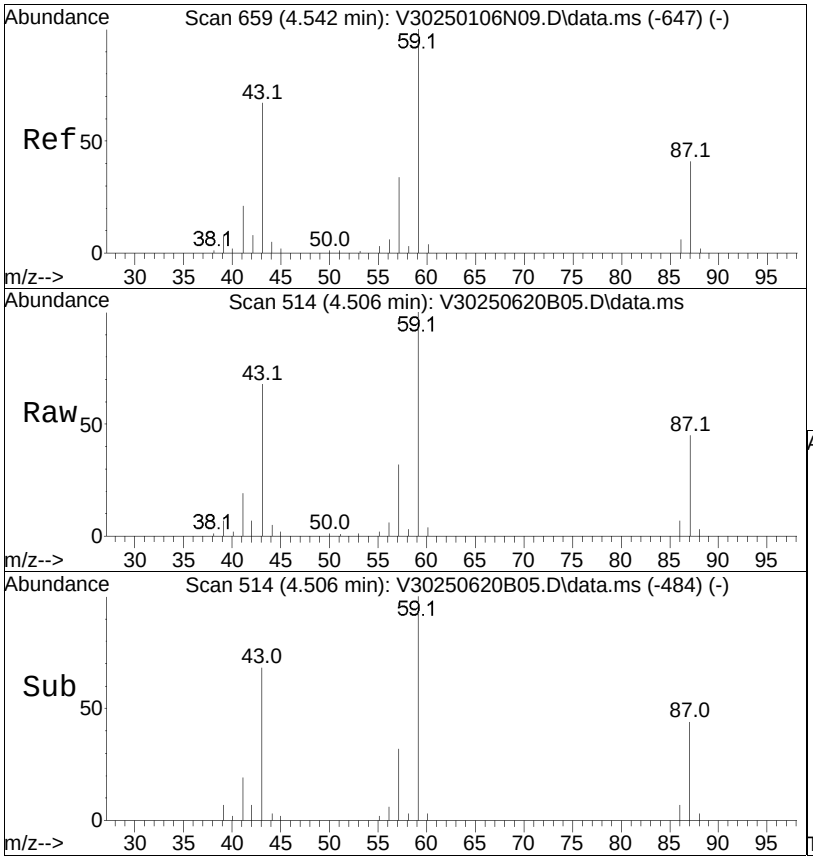


#27
Acrylonitrile
Concen: 10.26 ug/L
RT: 4.307 min Scan# 484
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 53 Resp: 11629

Ion	Ratio	Lower	Upper
53	100		
52	80.7	69.0	103.6
51	57.2	41.8	62.8

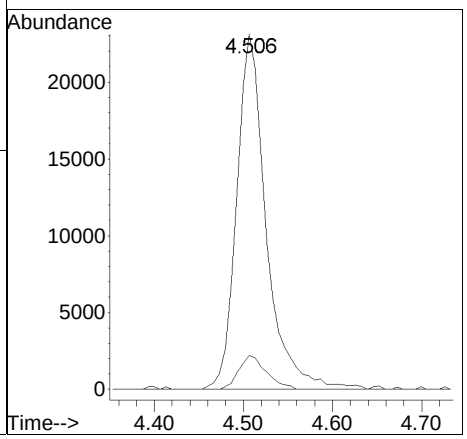


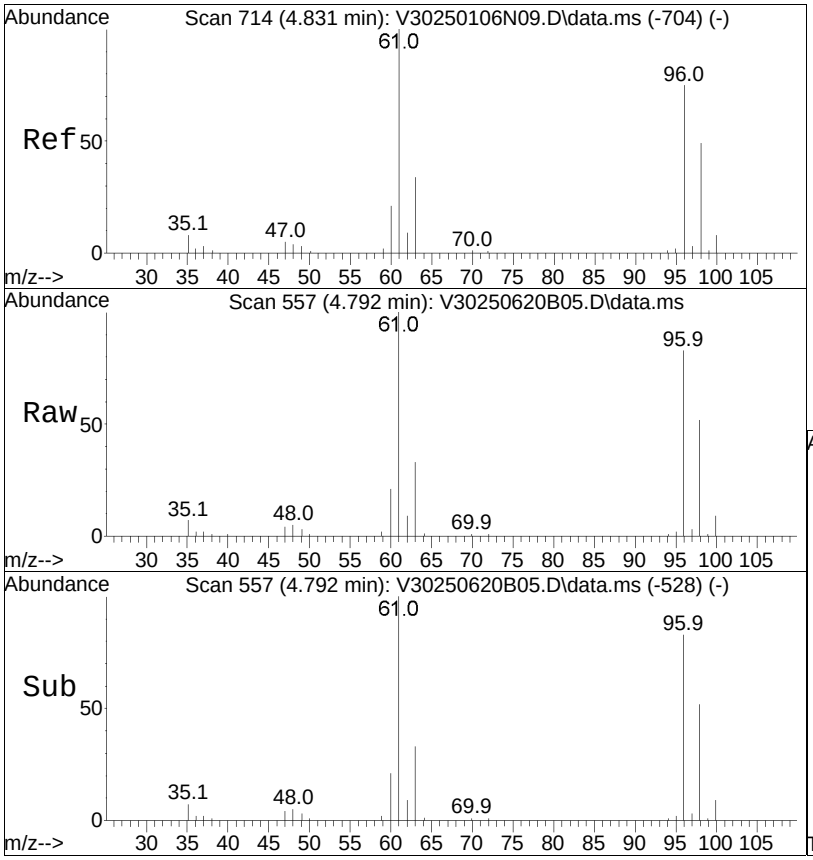


#29
Vinyl acetate
Concen: 8.82 ug/L
RT: 4.506 min Scan# 514
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 43 Resp: 53476

Ion	Ratio	Lower	Upper
43	100		
86	9.0	5.0	7.6#

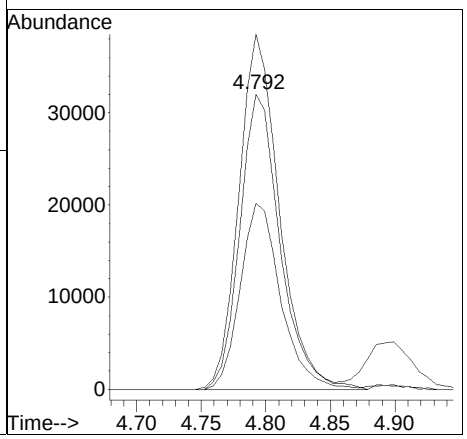


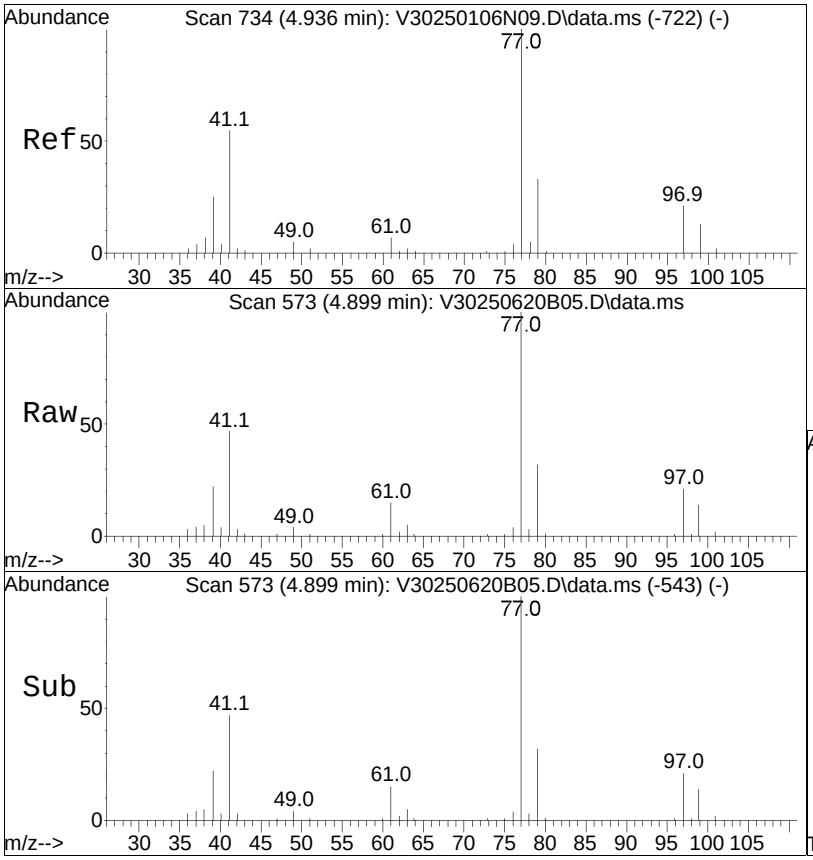


#30
cis-1,2-Dichloroethene
Concen: 10.65 ug/L
RT: 4.792 min Scan# 557
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 96 Resp: 69407

Ion	Ratio	Lower	Upper
96	100		
61	120.4	129.3	193.9#
98	63.6	51.4	77.2

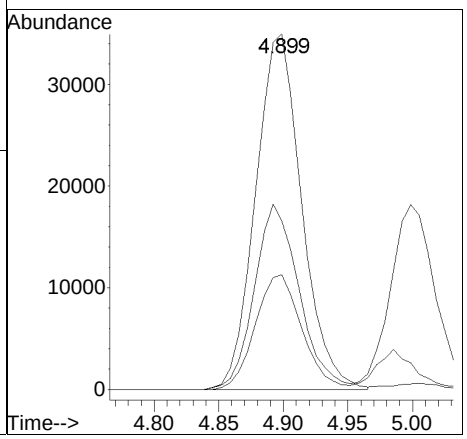


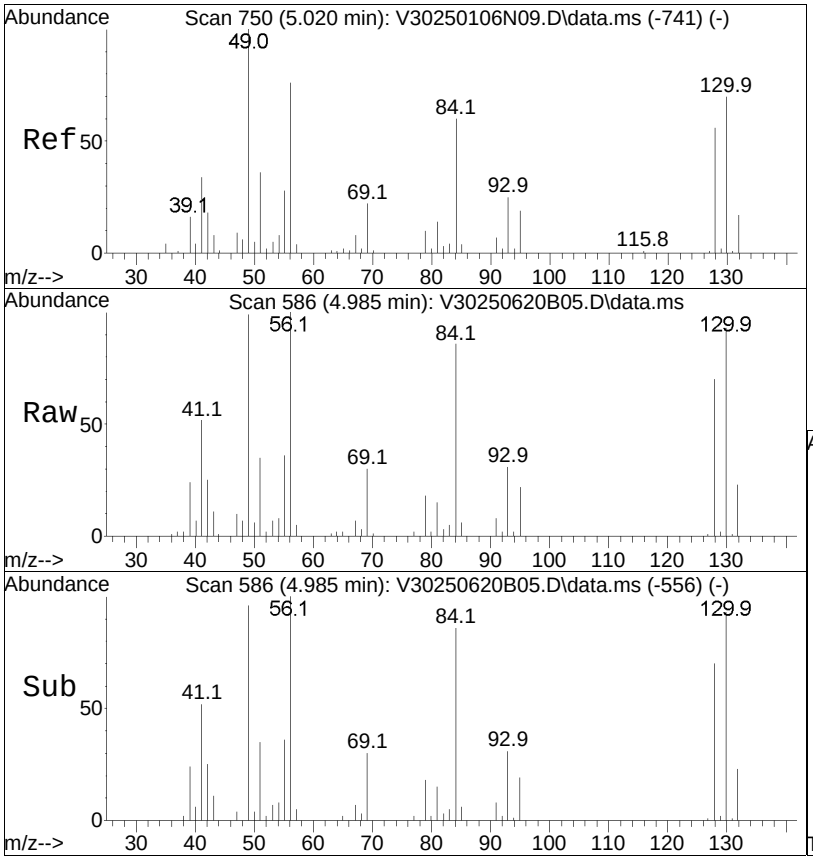


#31
2,2-Dichloropropane
Concen: 10.92 ug/L
RT: 4.899 min Scan# 573
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 77 Resp: 86568

Ion	Ratio	Lower	Upper
77	100		
41	50.6	49.2	102.2
79	32.6	20.6	42.8

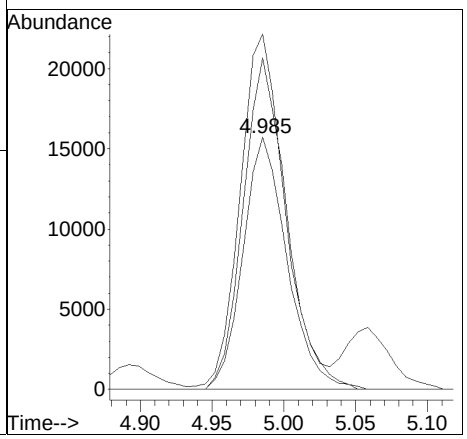


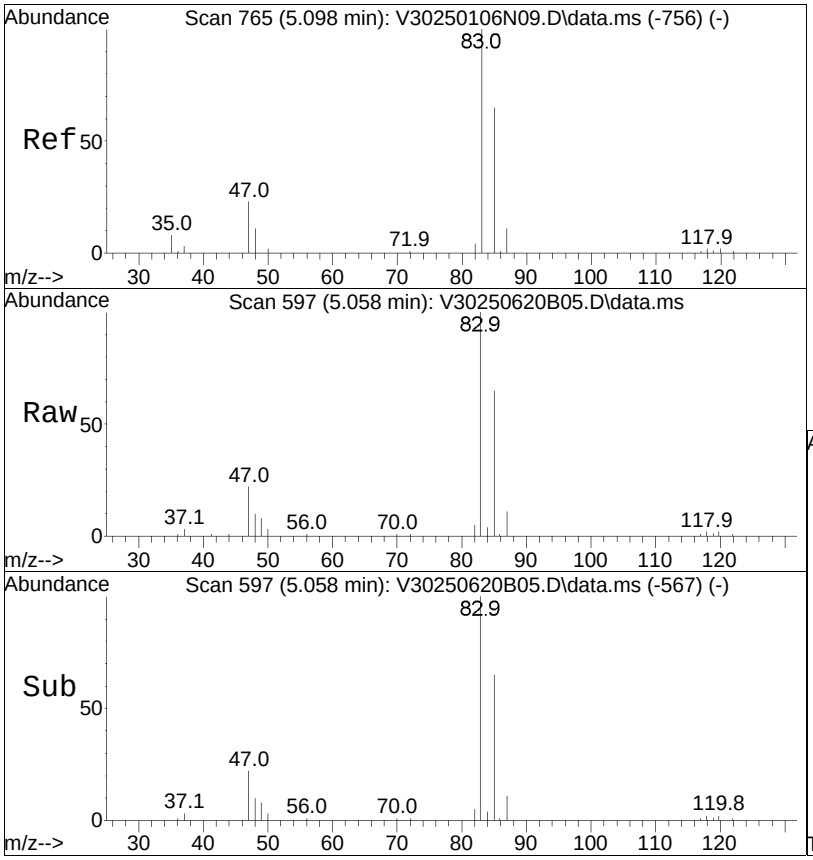


#33
Bromochloromethane
Concen: 10.59 ug/L
RT: 4.985 min Scan# 586
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:128 Resp: 33518

Ion	Ratio	Lower	Upper
128	100		
49	144.0	214.8	322.2#
130	131.0	105.4	158.2

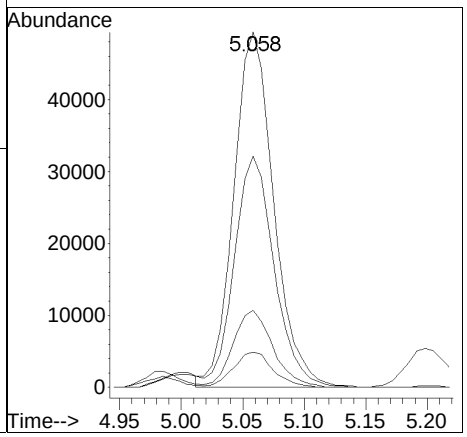


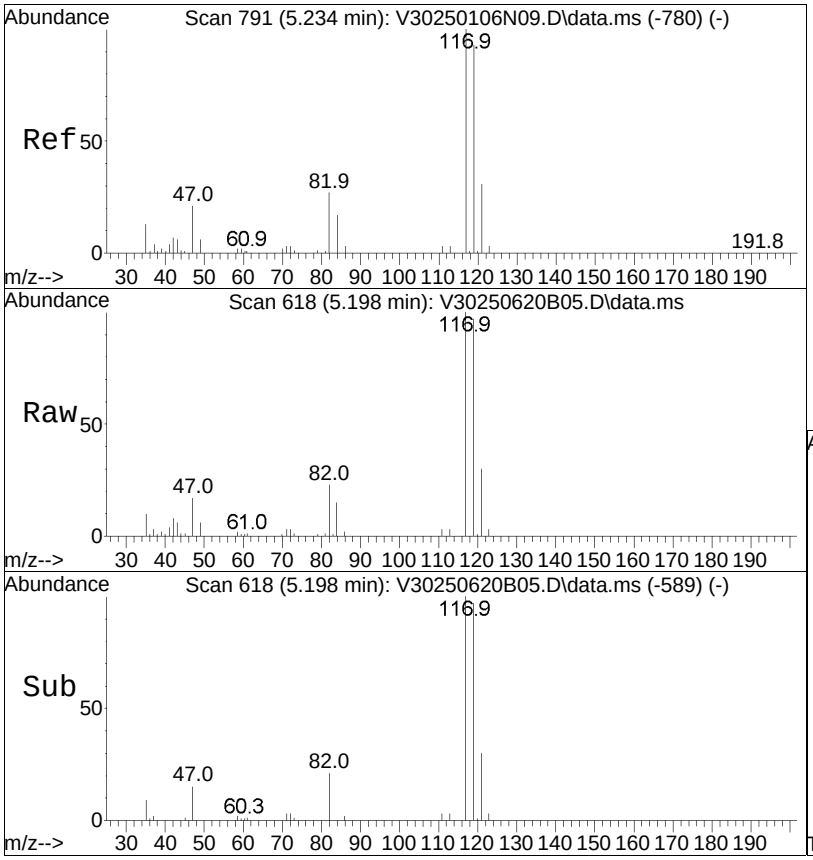


#35
Chloroform
Concen: 10.54 ug/L
RT: 5.058 min Scan# 597
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 83 Resp: 111947

Ion	Ratio	Lower	Upper
83	100		
85	64.7	41.4	86.0
47	21.6	20.5	42.5
48	9.9	9.9	20.5

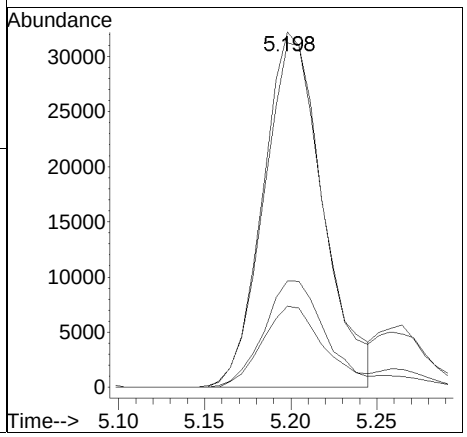


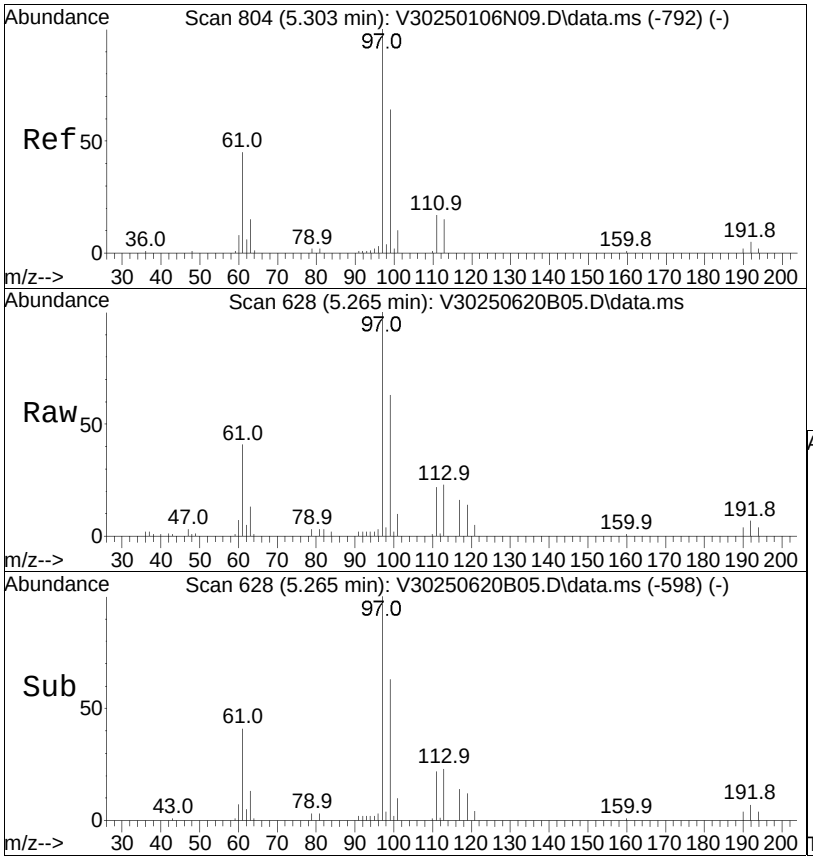


#37
Carbon tetrachloride
Concen: 10.60 ug/L
RT: 5.198 min Scan# 618
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:117 Resp: 78249

Ion	Ratio	Lower	Upper
117	100		
119	96.5	62.0	128.8
121	30.6	19.6	40.6
82	26.4	18.8	39.0

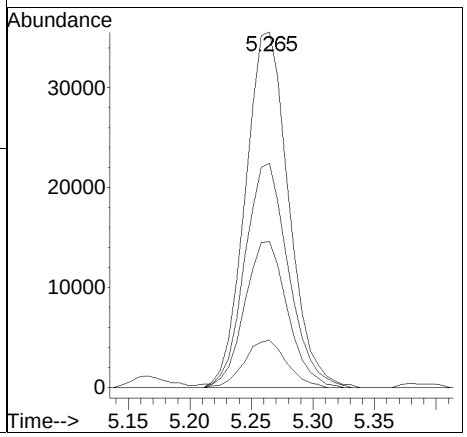


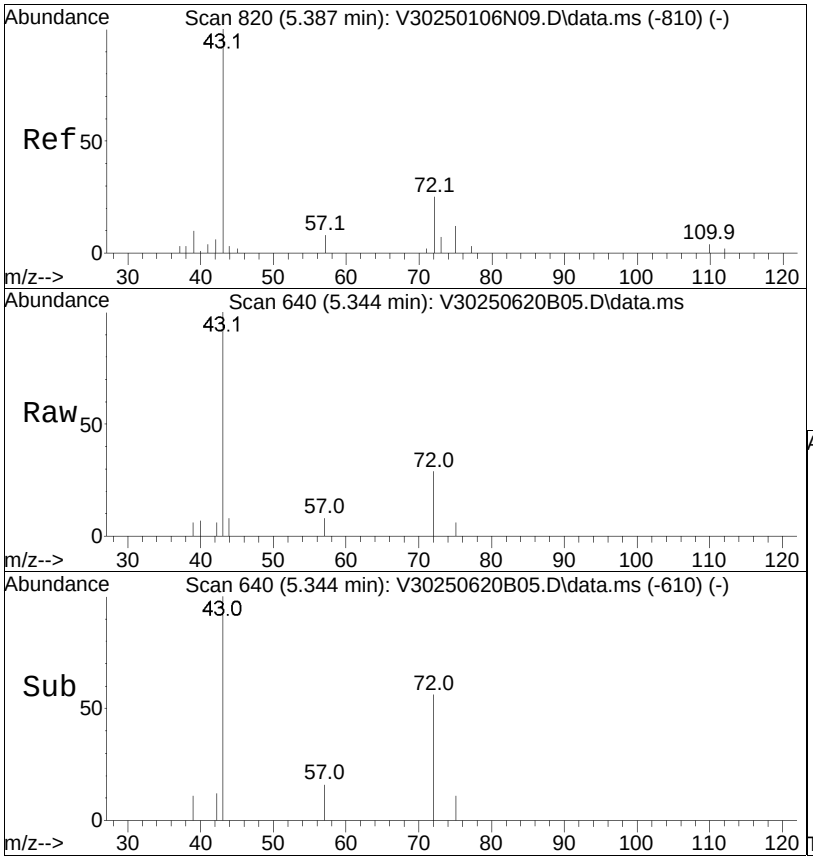


#40
1,1,1-Trichloroethane
Concen: 10.59 ug/L
RT: 5.265 min Scan# 628
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 97 Resp: 87040

Ion	Ratio	Lower	Upper
97	100		
99	63.5	40.6	84.4
61	40.9	35.0	72.8
63	13.0	11.1	23.0

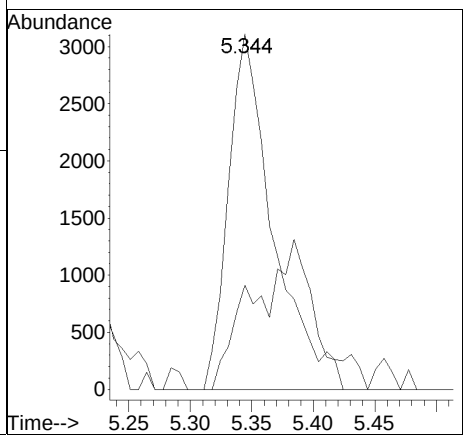


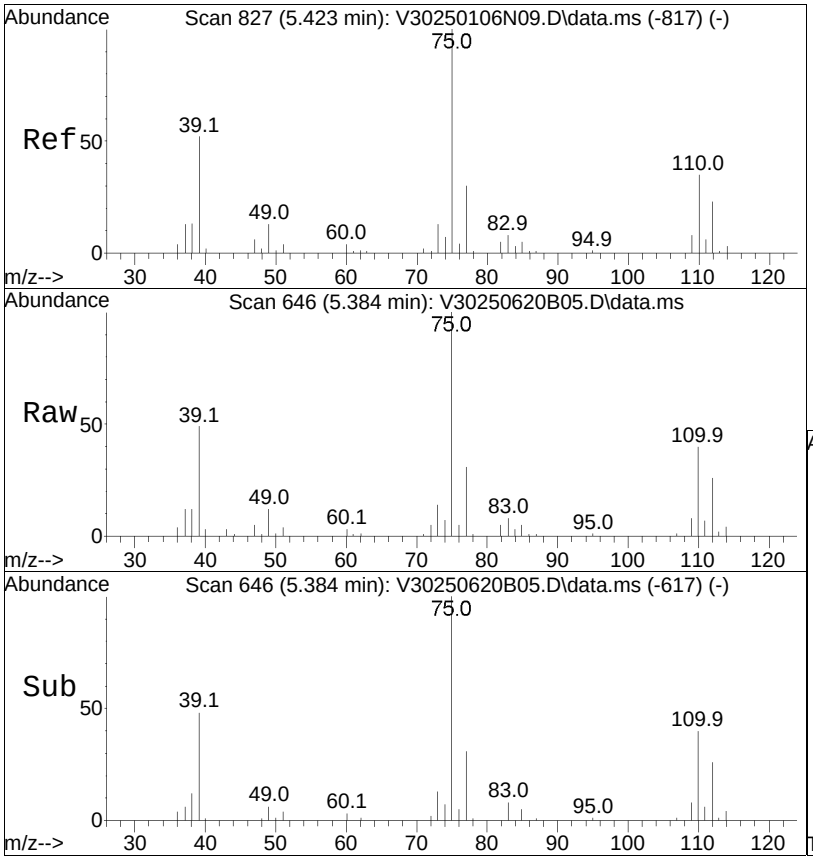


#42
2-Butanone
Concen: 7.13 ug/L
RT: 5.344 min Scan# 640
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 43 Resp: 8166

Ion	Ratio	Lower	Upper
43	100		
72	21.6	18.2	27.4

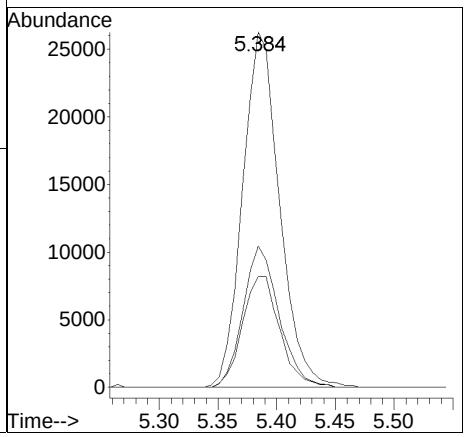


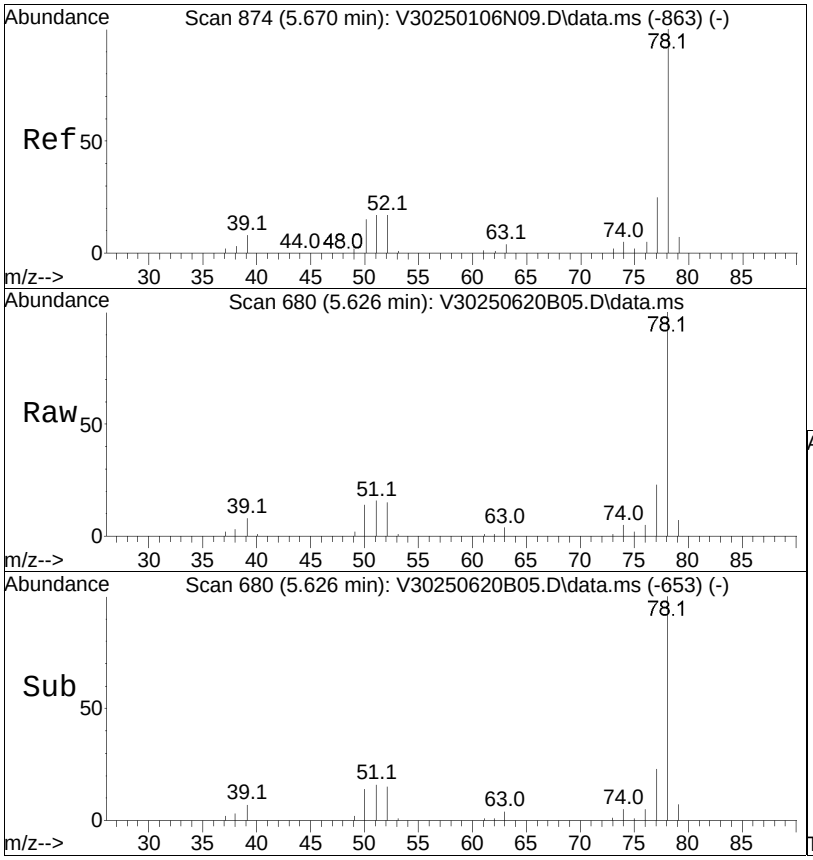


#43
1,1-Dichloropropene
Concen: 9.16 ug/L
RT: 5.384 min Scan# 646
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 75 Resp: 57530

Ion	Ratio	Lower	Upper
75	100		
110	38.6	19.4	40.4
77	31.7	19.7	40.9

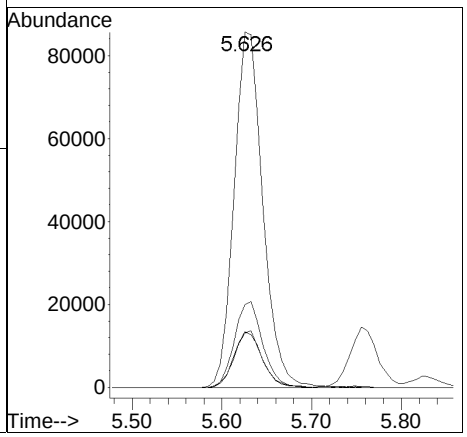


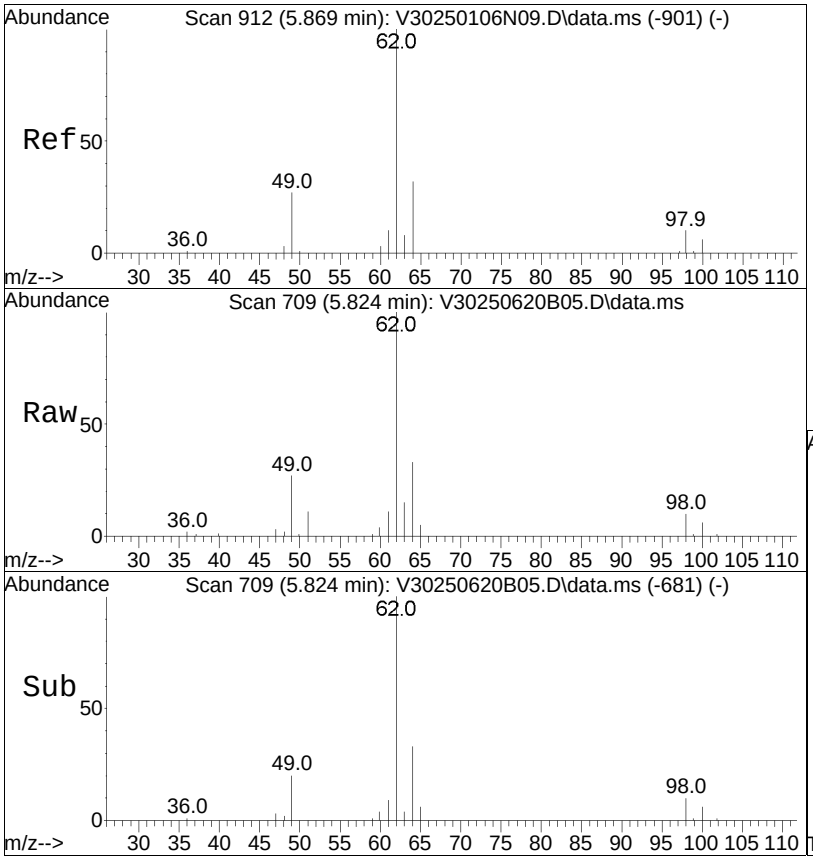


#45
Benzene
Concen: 9.52 ug/L
RT: 5.626 min Scan# 680
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 78 Resp: 190934

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.6	32.4
51	15.3	12.9	26.7
52	15.5	12.4	25.7

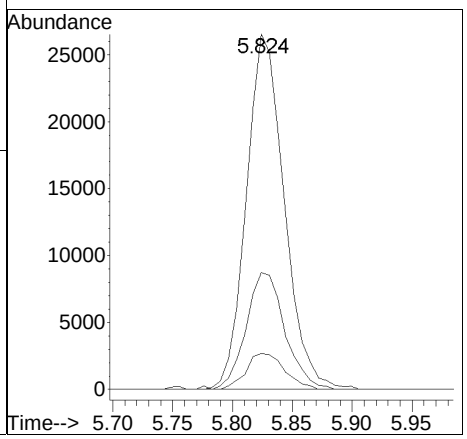


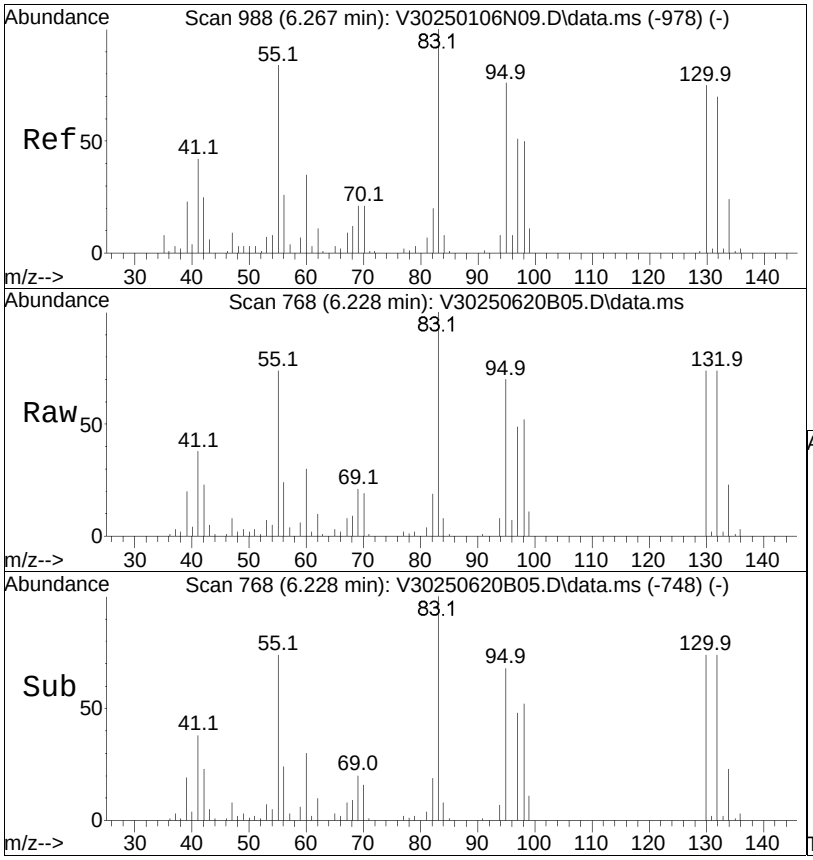


#48
1,2-Dichloroethane
Concen: 9.61 ug/L
RT: 5.824 min Scan# 709
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 62 Resp: 58459

Ion	Ratio	Lower	Upper
62	100		
64	33.9	25.5	38.3
98	10.4	5.5	8.3#

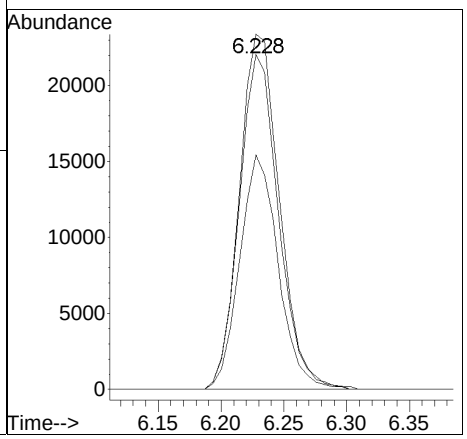


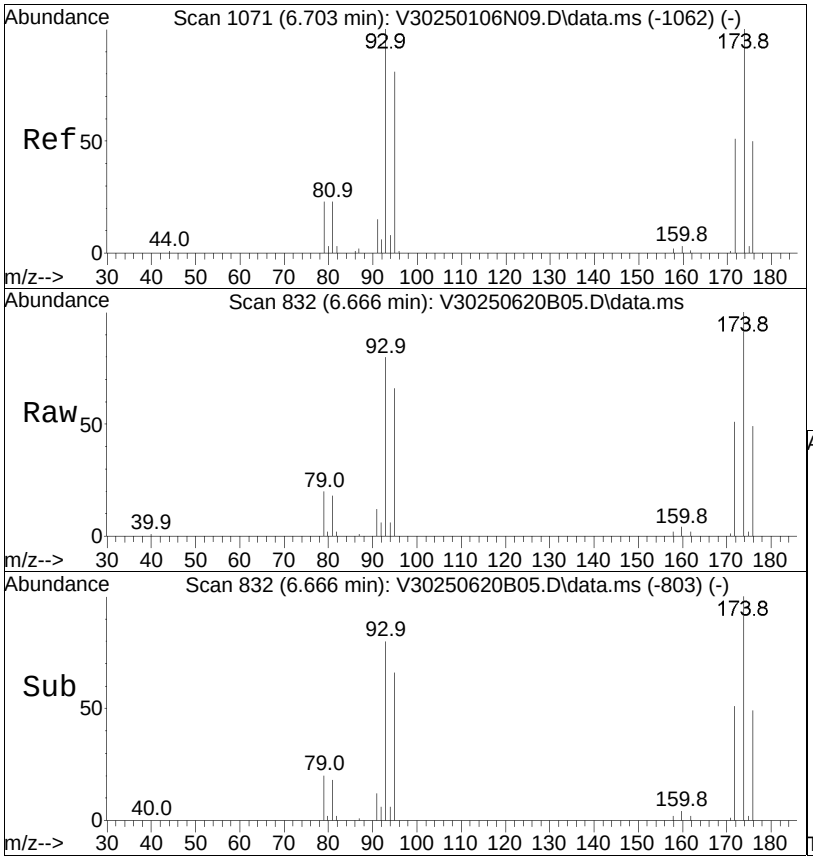


#52
Trichloroethene
Concen: 9.10 ug/L
RT: 6.228 min Scan# 768
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 95 Resp: 48004

Ion	Ratio	Lower	Upper
95	100		
97	68.8	53.8	80.6
130	108.2	71.4	107.0#

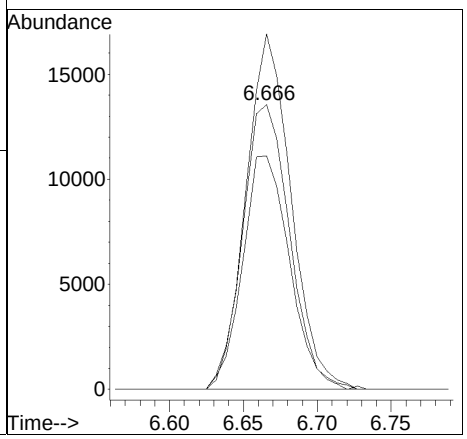


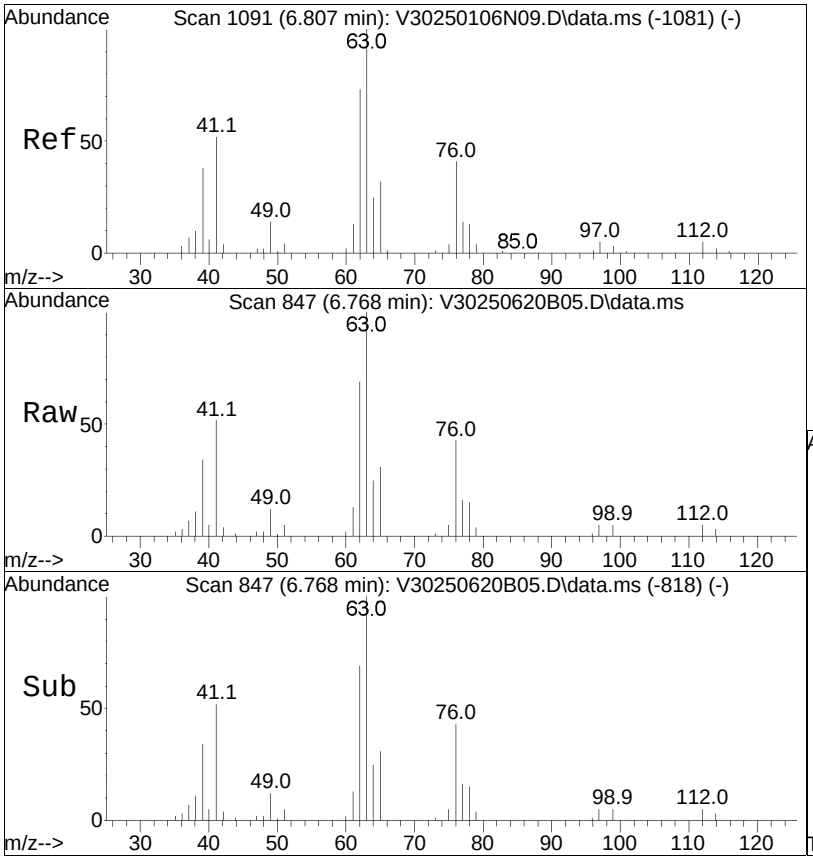


#54
Dibromomethane
Concen: 9.90 ug/L
RT: 6.666 min Scan# 832
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 93 Resp: 30014

Ion	Ratio	Lower	Upper
93	100		
95	82.2	66.9	100.3
174	119.6	66.4	99.6#

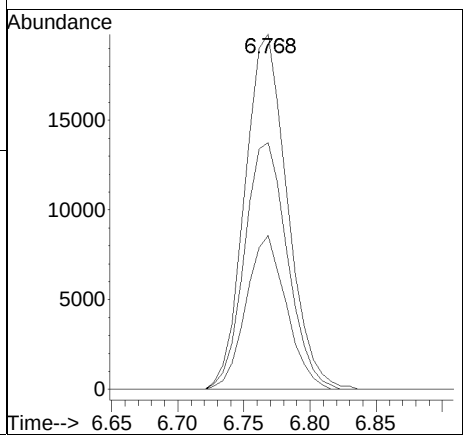


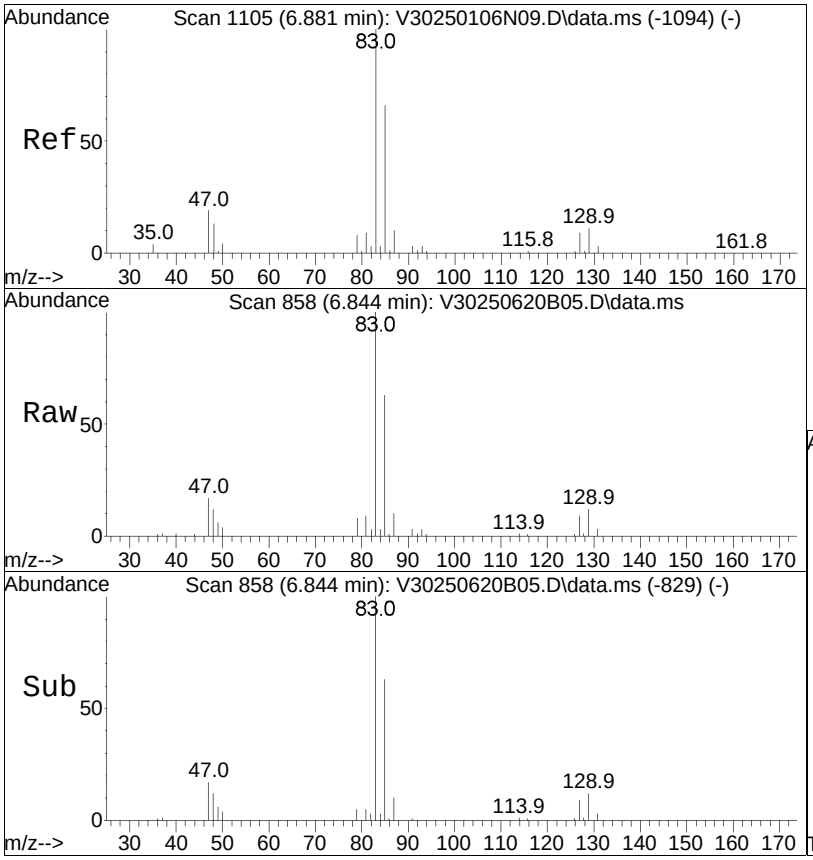


#55
1,2-Dichloropropane
Concen: 9.08 ug/L
RT: 6.768 min Scan# 847
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 63 Resp: 44335

Ion	Ratio	Lower	Upper
63	100		
62	70.2	58.1	87.1
76	41.1	30.4	45.6

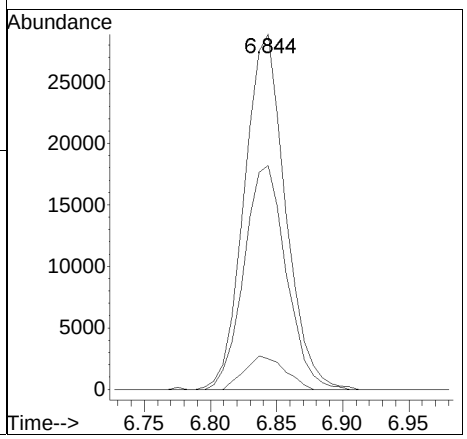


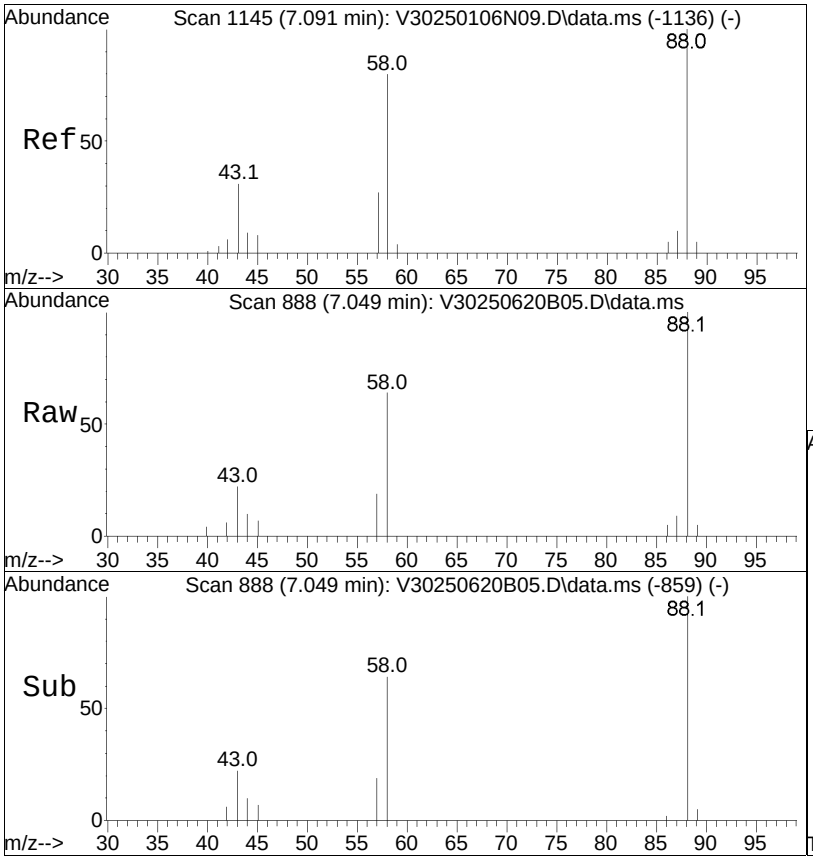


#58
Bromodichloromethane
Concen: 8.86 ug/L
RT: 6.844 min Scan# 858
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 83 Resp: 62437

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.2	75.2
127	9.2	5.2	7.8#

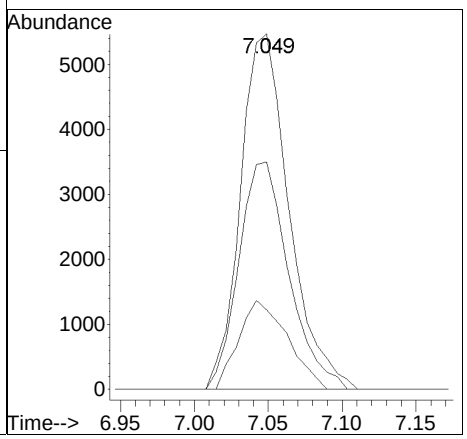


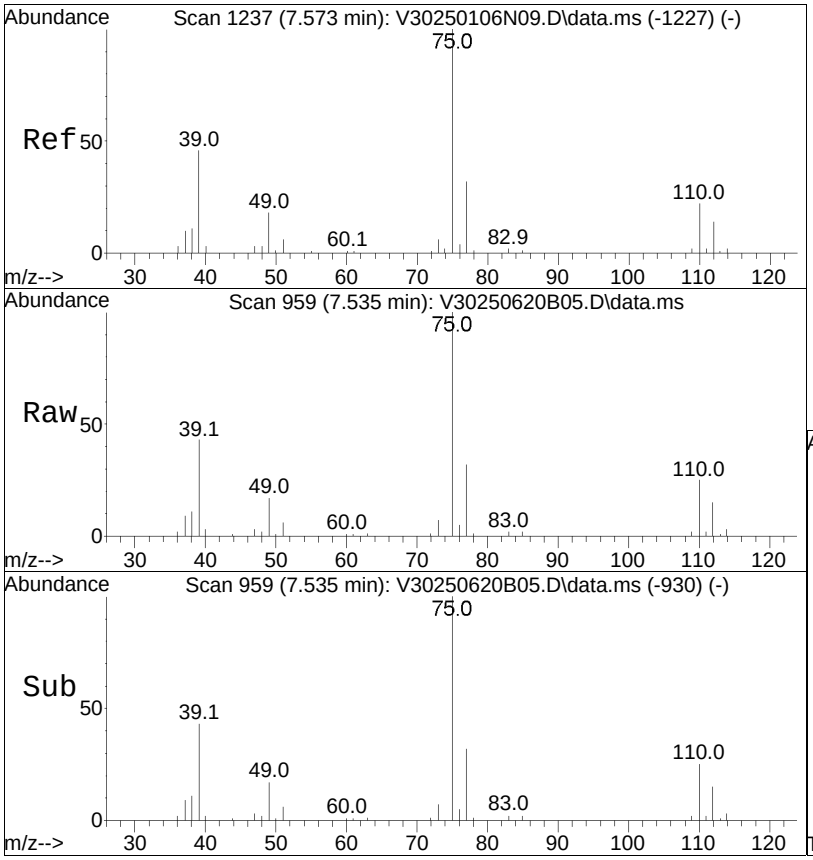


#61
1,4-Dioxane
Concen: 375.45 ug/L
RT: 7.049 min Scan# 888
Delta R.T. -0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 88 Resp: 12531

Ion	Ratio	Lower	Upper
88	100		
58	65.8	59.9	89.9
43	25.1	30.8	46.2#

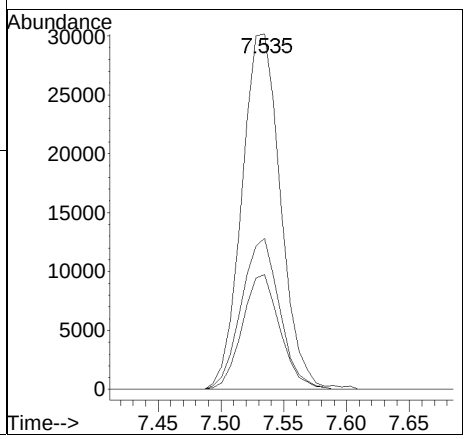


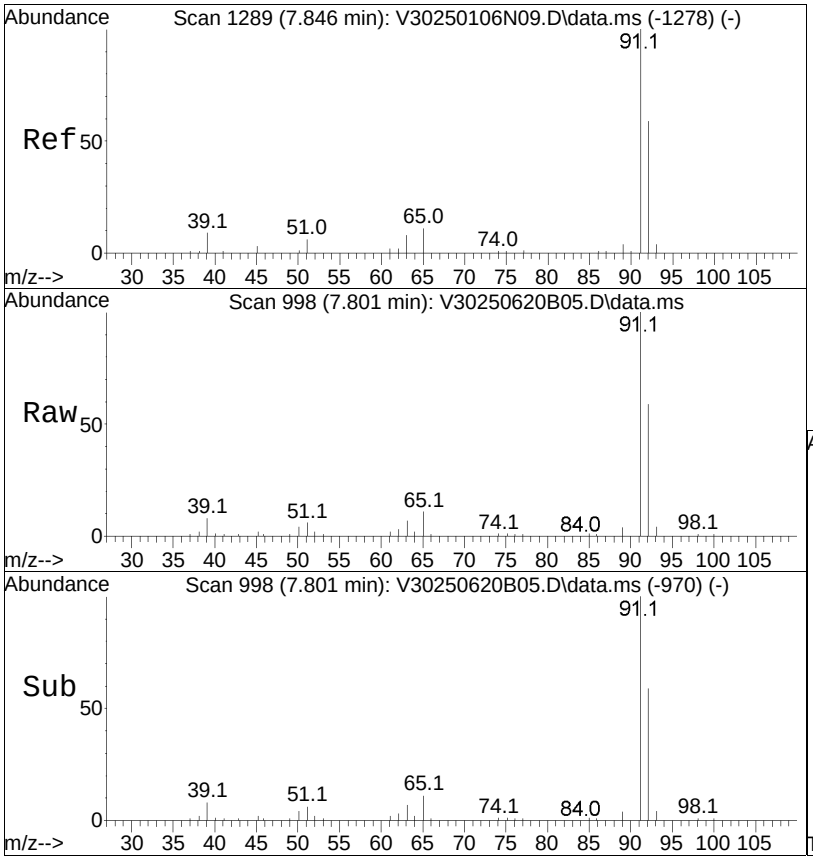


#62
cis-1,3-Dichloropropene
Concen: 8.47 ug/L
RT: 7.535 min Scan# 959
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 75 Resp: 64849

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.2
39	42.0	54.6	82.0#

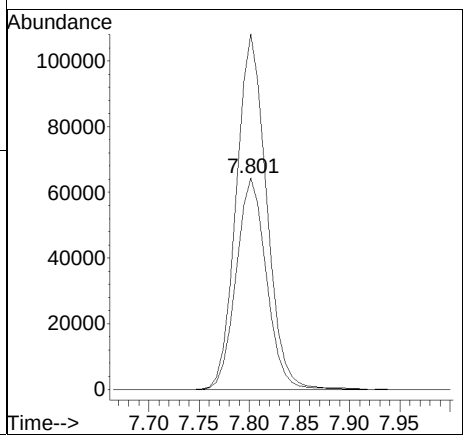


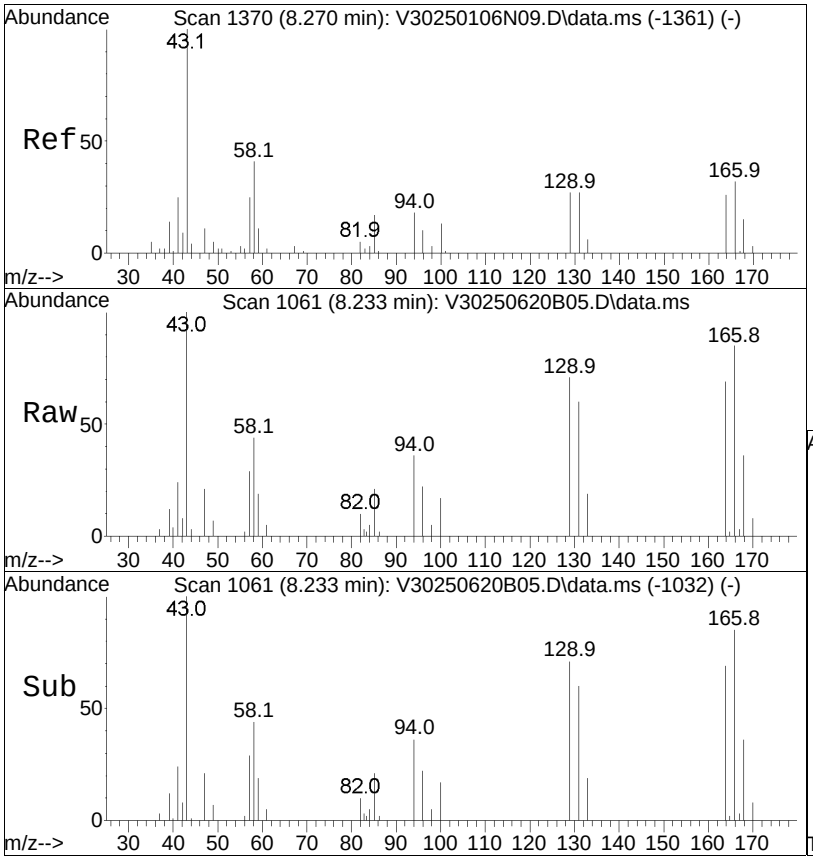


#65
Toluene
Concen: 9.72 ug/L
RT: 7.801 min Scan# 998
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 92 Resp: 134631

Ion	Ratio	Lower	Upper
92	100		
91	168.0	137.5	206.3

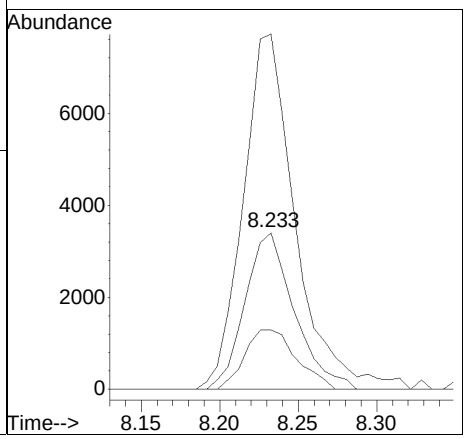


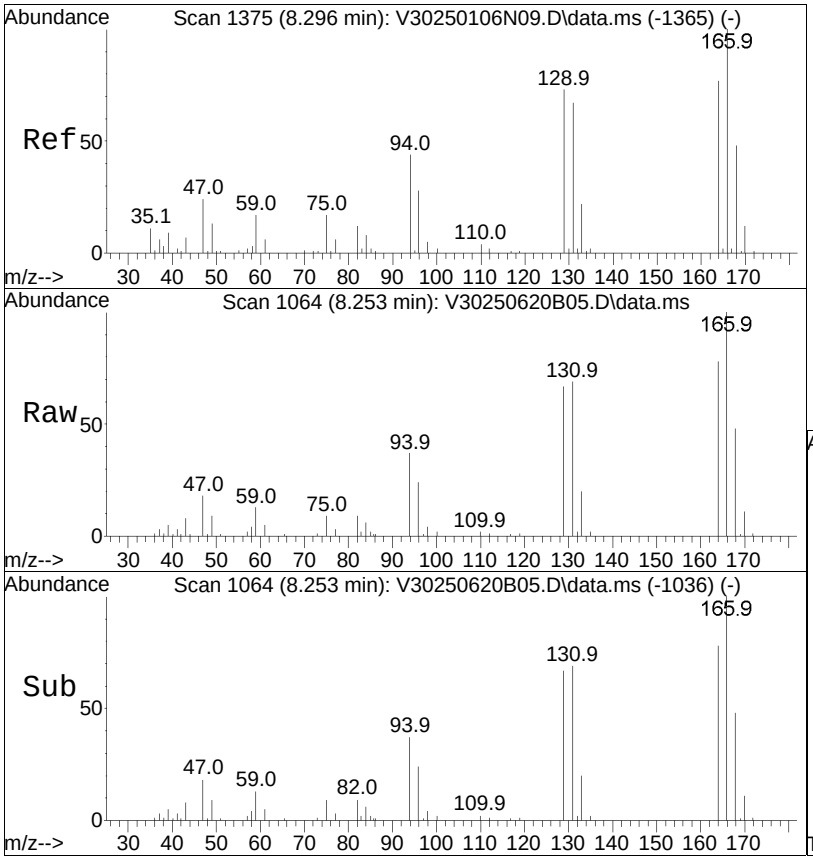


#66
4-Methyl-2-pentanone
Concen: 7.20 ug/L
RT: 8.233 min Scan# 1061
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 58 Resp: 7441

Ion	Ratio	Lower	Upper
58	100		
100	40.0	22.6	34.0#
43	241.4	234.6	351.8

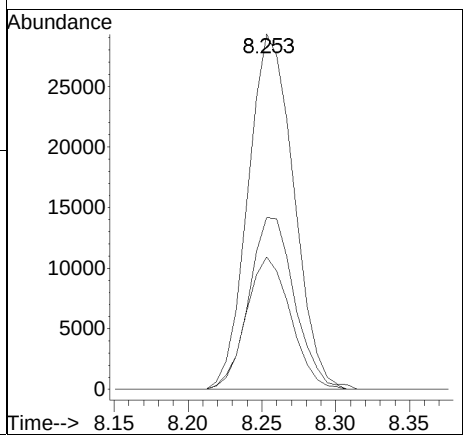


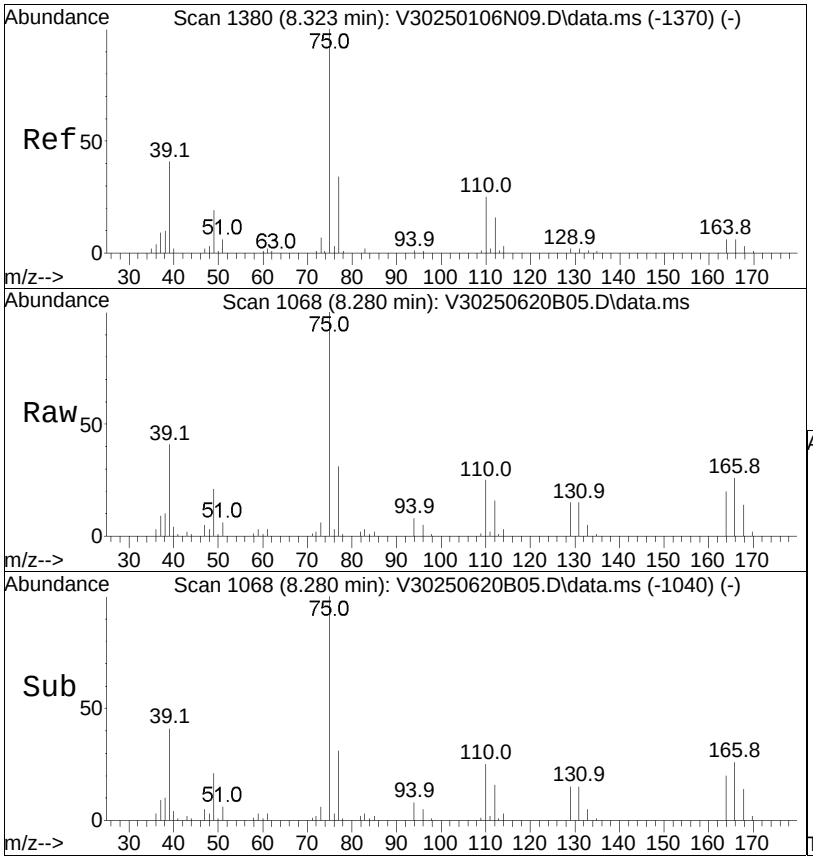


#67
Tetrachloroethene
Concen: 9.99 ug/L
RT: 8.253 min Scan# 1064
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:166 Resp: 63088

Ion	Ratio	Lower	Upper
166	100		
168	47.9	38.6	58.0
94	36.3	42.6	63.8#

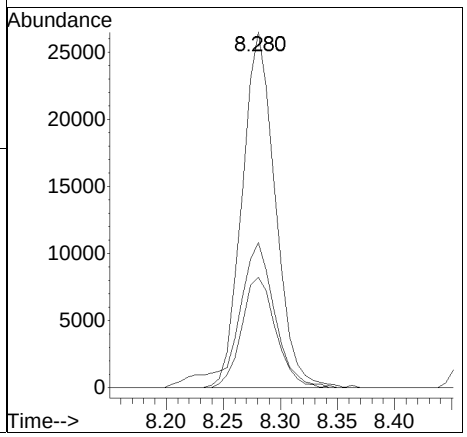


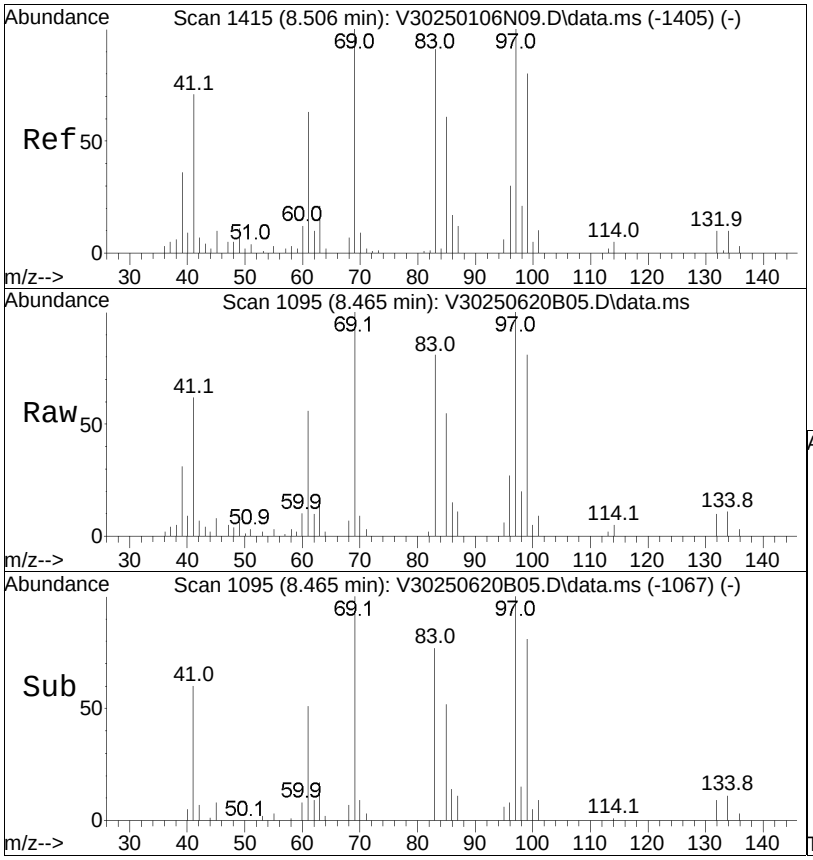


#69
trans-1,3-Dichloropropene
Concen: 8.04 ug/L
RT: 8.280 min Scan# 1068
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 75 Resp: 53466

Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.6	38.4
39	45.4	60.2	90.4#

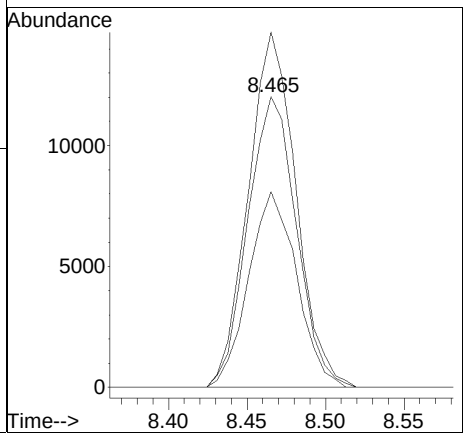


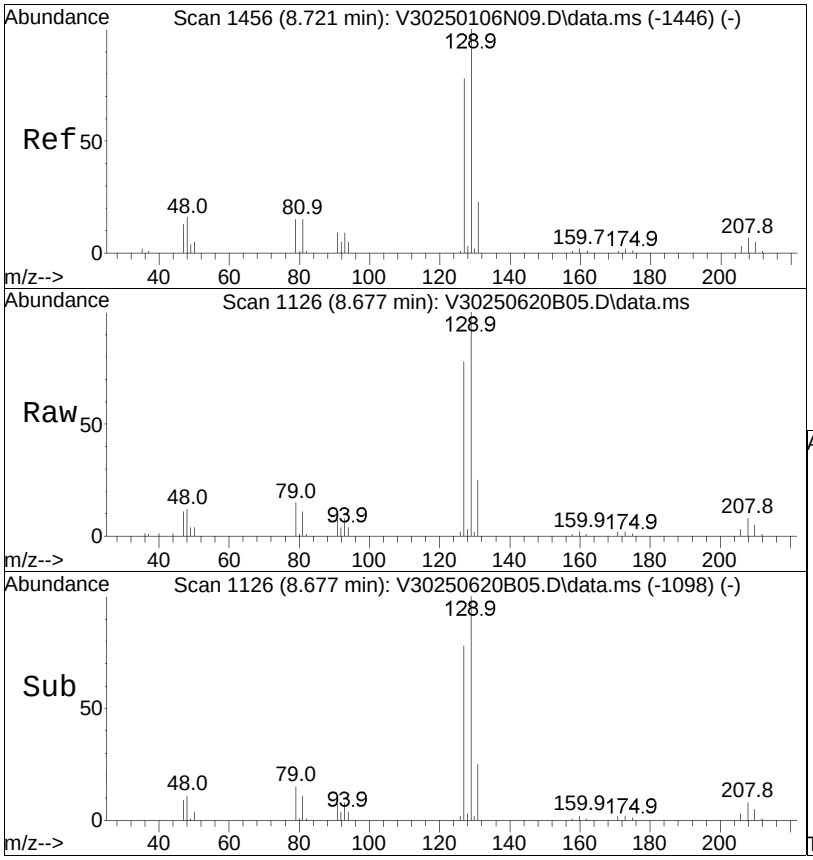


#72
1,1,2-Trichloroethane
Concen: 7.77 ug/L
RT: 8.465 min Scan# 1095
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 83 Resp: 25903

Ion	Ratio	Lower	Upper
83	100		
97	119.7	87.7	131.5
85	66.5	53.1	79.7

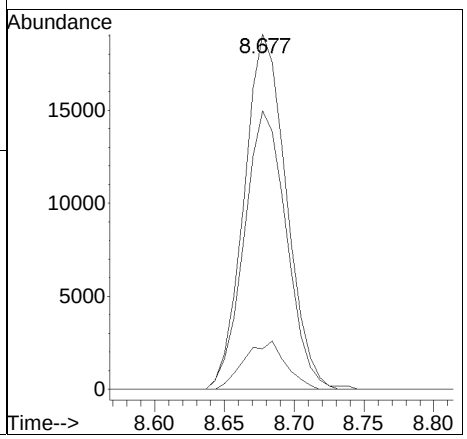


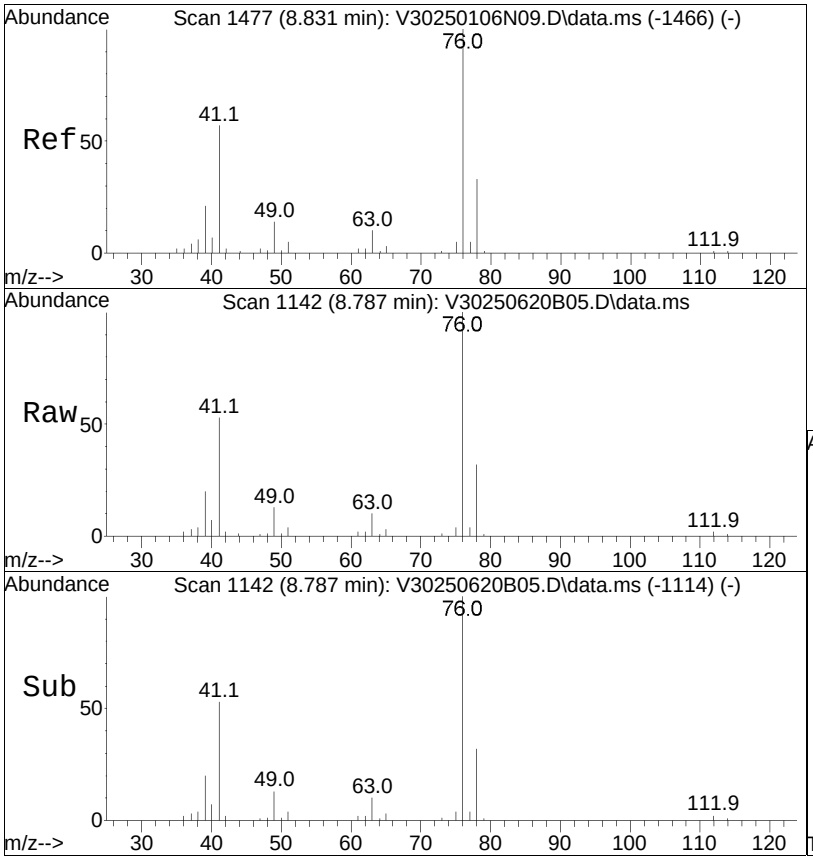


#73
Chlorodibromomethane
Concen: 7.63 ug/L
RT: 8.677 min Scan# 1126
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:129 Resp: 40234

Ion	Ratio	Lower	Upper
129	100		
81	13.4	14.6	22.0#
127	78.5	62.6	93.8

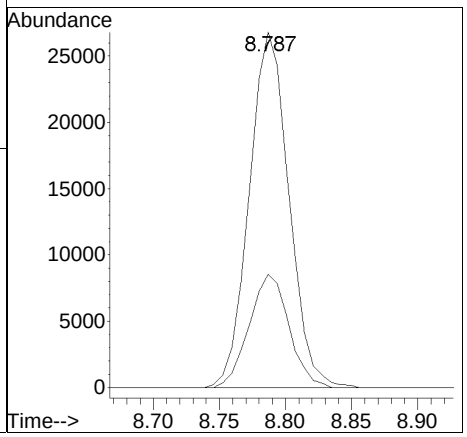


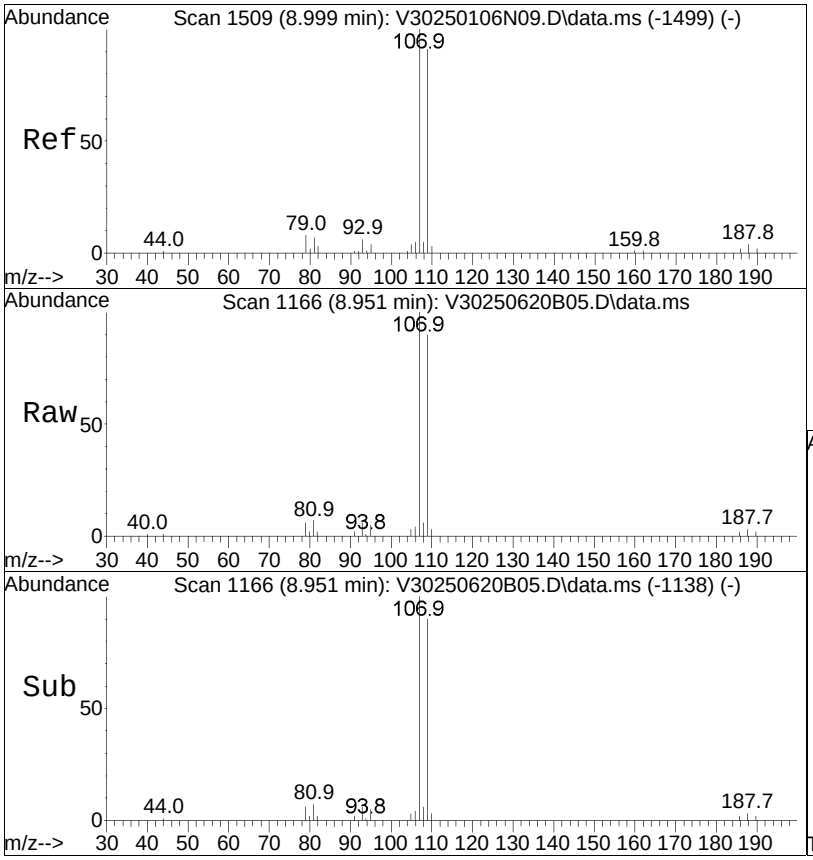


#74
1,3-Dichloropropane
Concen: 8.02 ug/L
RT: 8.787 min Scan# 1142
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 76 Resp: 55751

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.9	38.9

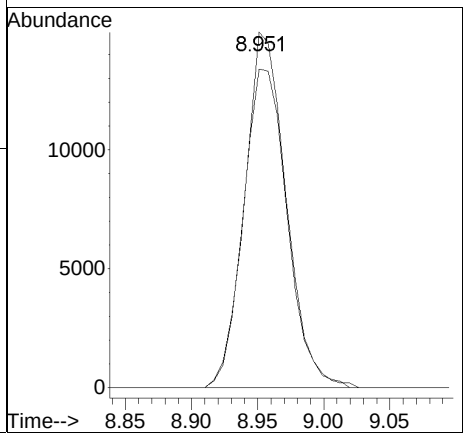


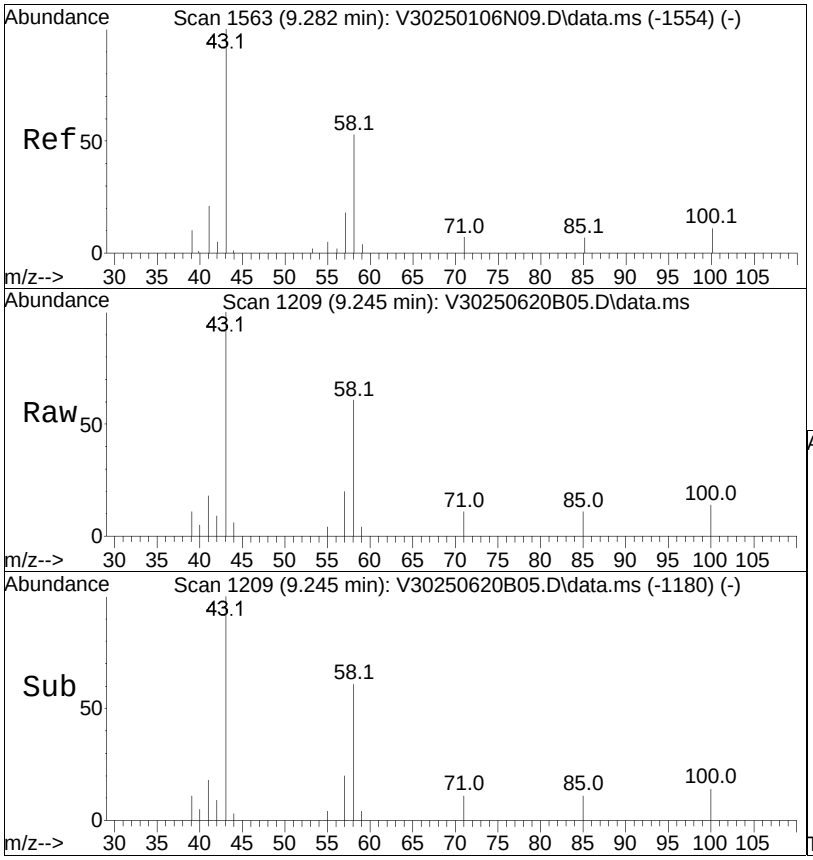


#75
1,2-Dibromoethane
Concen: 8.14 ug/L
RT: 8.951 min Scan# 1166
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:107 Resp: 32620

Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.0	112.4

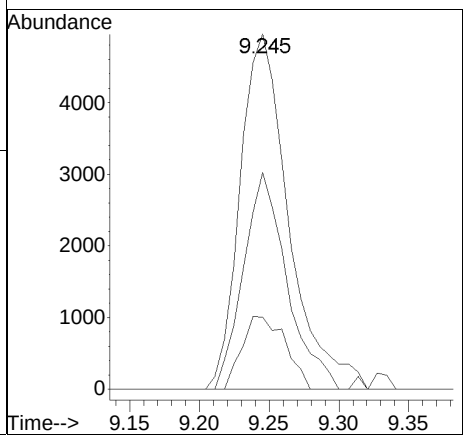


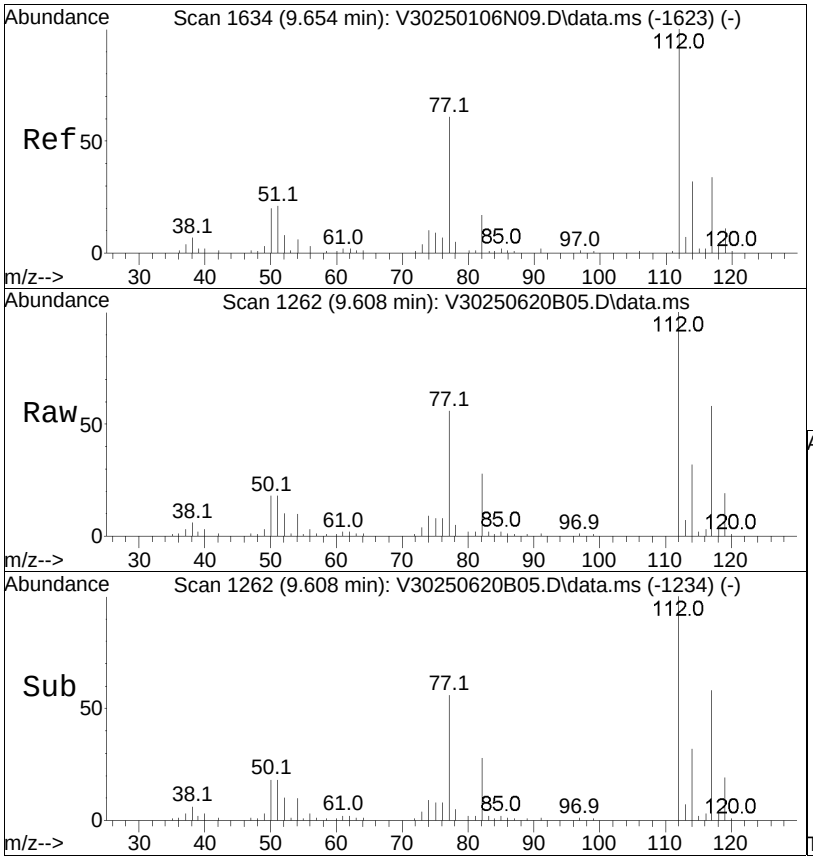


#77
2-Hexanone
Concen: 7.11 ug/L
RT: 9.245 min Scan# 1209
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 43 Resp: 12033

Ion	Ratio	Lower	Upper
43	100		
58	54.6	38.6	58.0
57	18.3	14.1	21.1

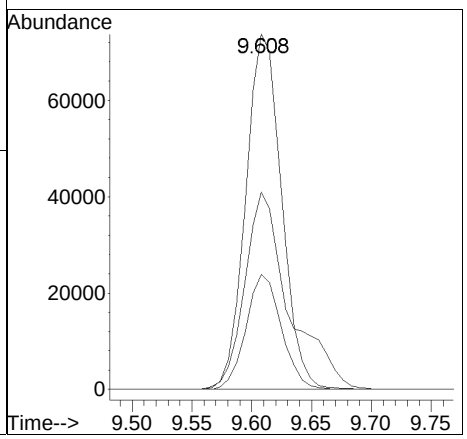


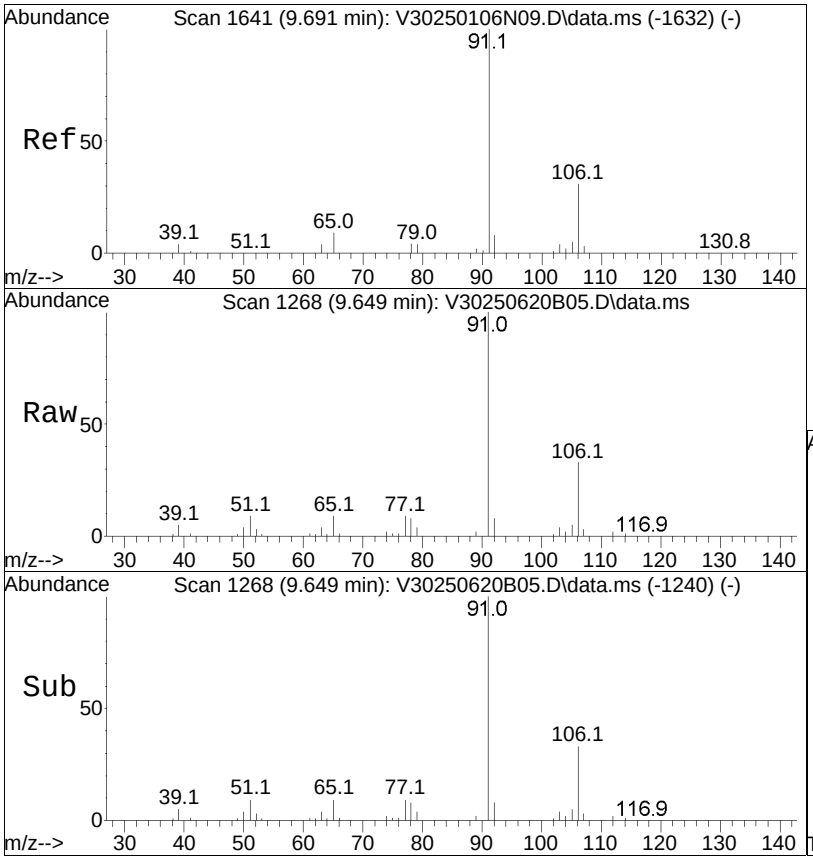


#78
Chlorobenzene
Concen: 9.79 ug/L
RT: 9.608 min Scan# 1262
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:112 Resp: 153551

Ion	Ratio	Lower	Upper
112	100		
77	68.9	54.8	82.2
114	31.9	25.4	38.0

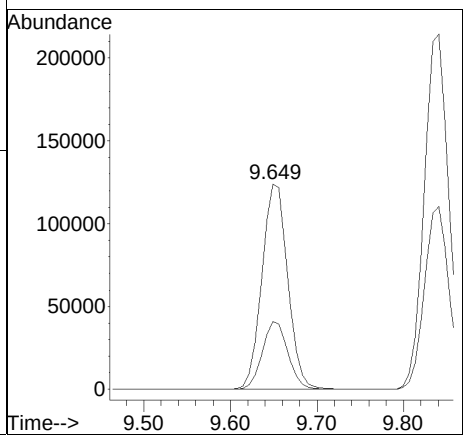


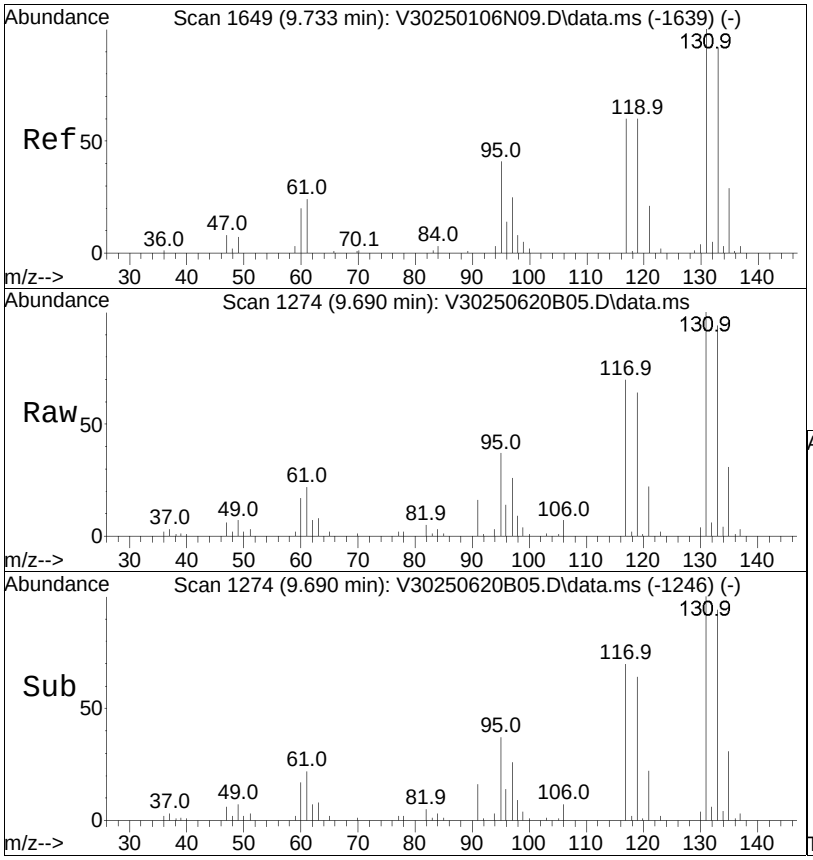


#79
Ethylbenzene
Concen: 9.85 ug/L
RT: 9.649 min Scan# 1268
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 91 Resp: 257367

Ion	Ratio	Lower	Upper
91	100		
106	32.6	23.4	35.2

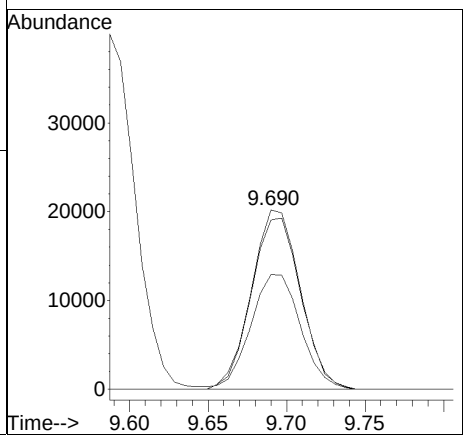


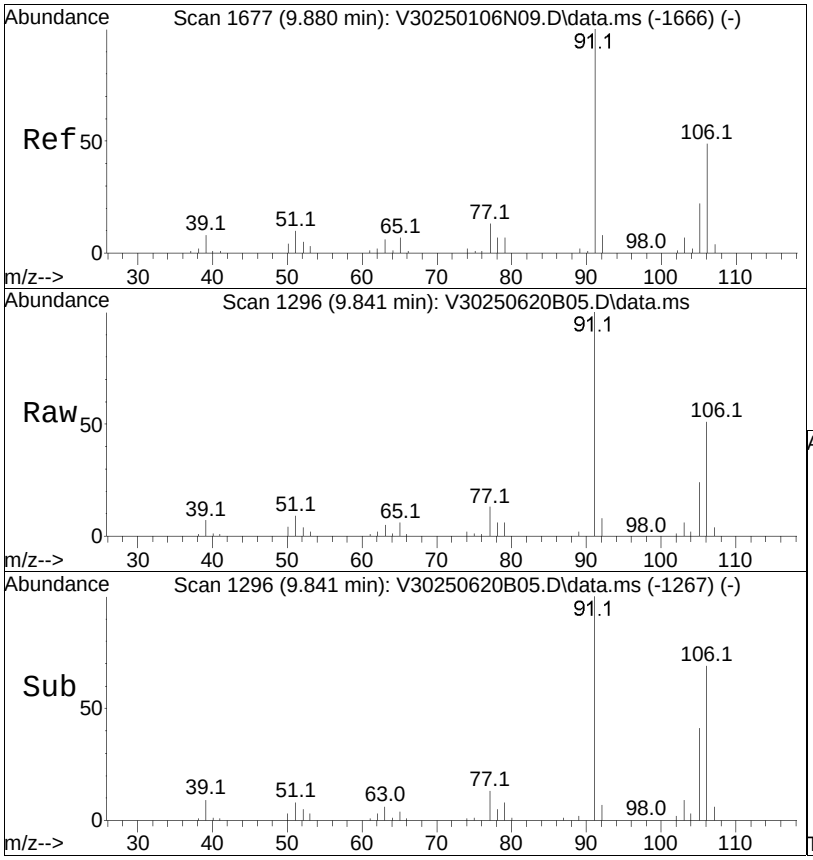


#80
1,1,1,2-Tetrachloroethane
Concen: 8.28 ug/L
RT: 9.690 min Scan# 1274
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:131 Resp: 43924

Ion	Ratio	Lower	Upper
131	100		
133	96.5	76.0	114.0
119	65.4	54.7	82.1

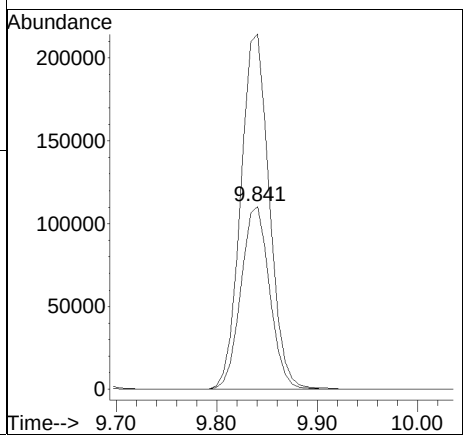


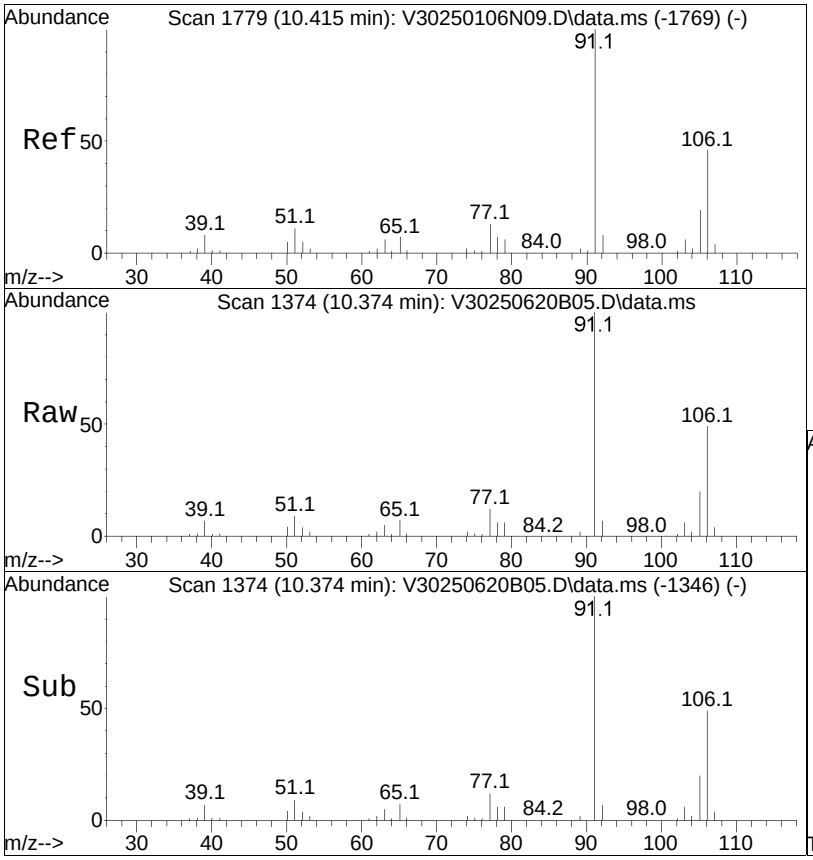


#81
p/m Xylene
Concen: 20.55 ug/L
RT: 9.841 min Scan# 1296
Delta R.T. 0.001 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:106 Resp: 219840

Ion	Ratio	Lower	Upper
106	100		
91	193.8	171.4	257.2

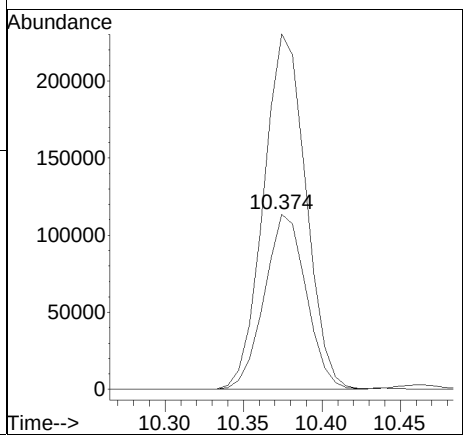


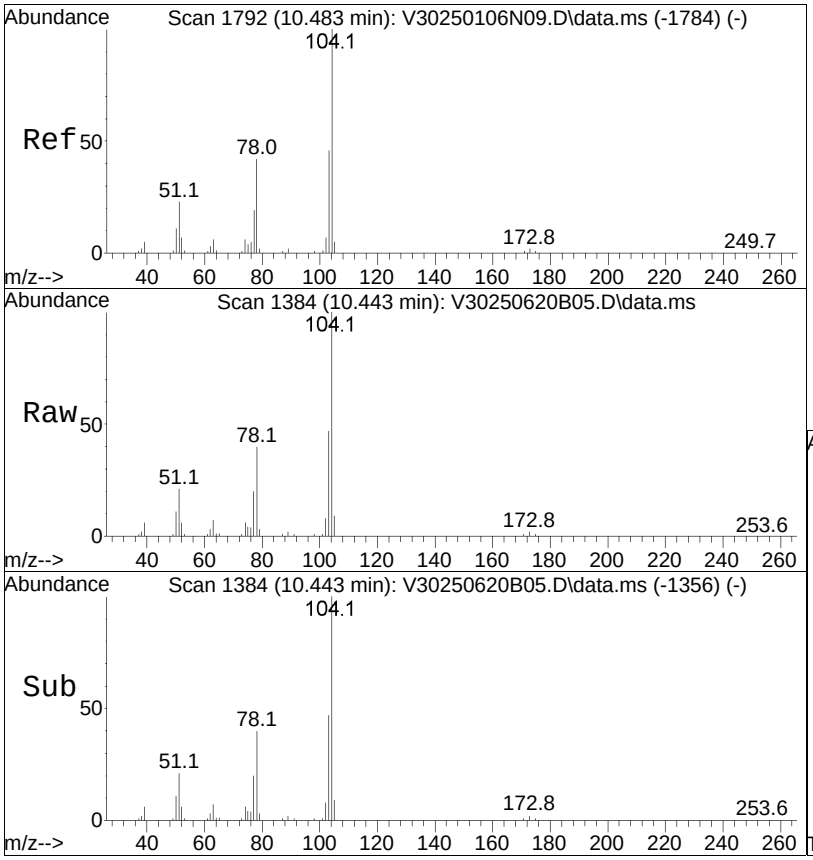


#82
o Xylene
Concen: 20.10 ug/L
RT: 10.374 min Scan# 1374
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:106 Resp: 210392

Ion	Ratio	Lower	Upper
106	100		
91	205.3	179.2	268.8

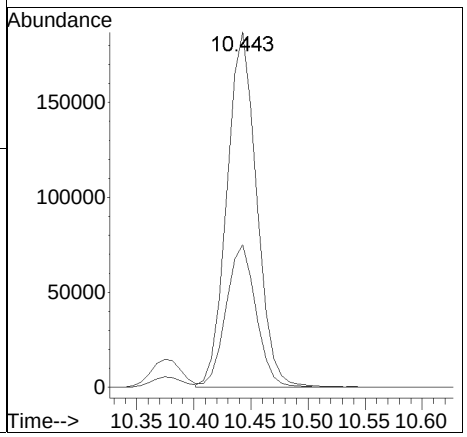


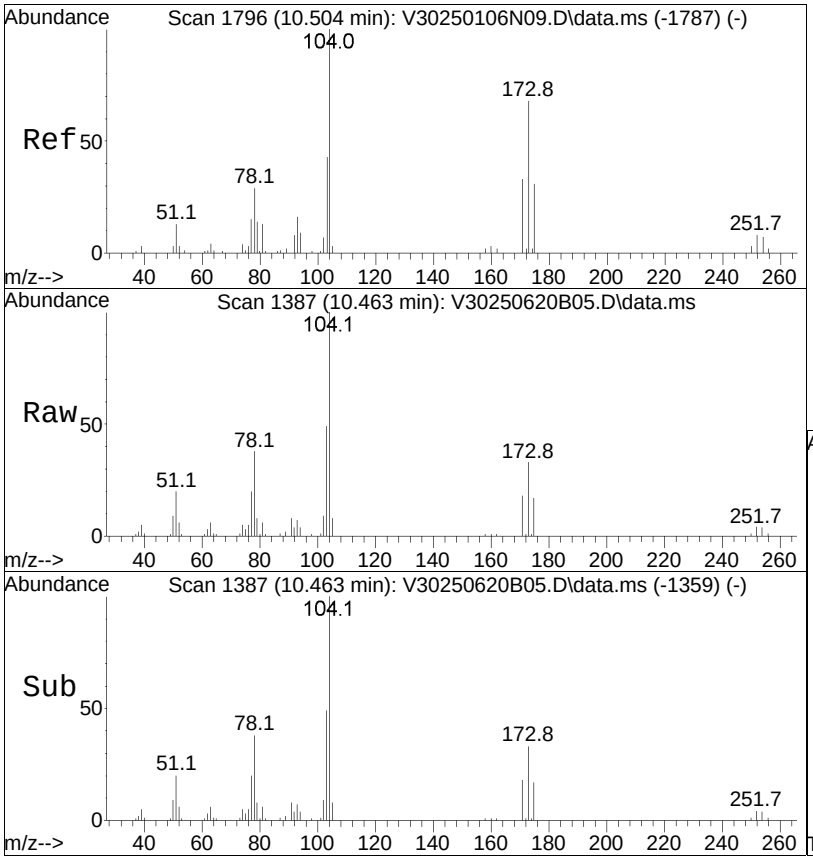


#83
Styrene
Concen: 19.79 ug/L
RT: 10.443 min Scan# 1384
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:104 Resp: 339549

Ion	Ratio	Lower	Upper
104	100		
78	40.7	38.1	57.1

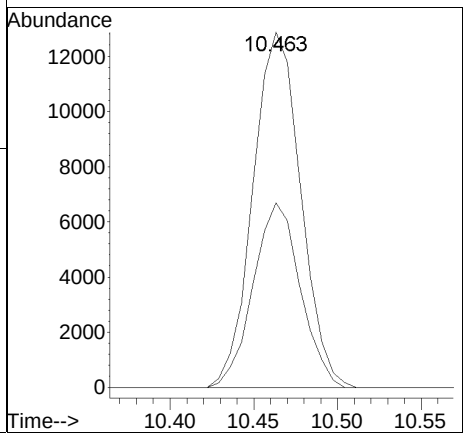


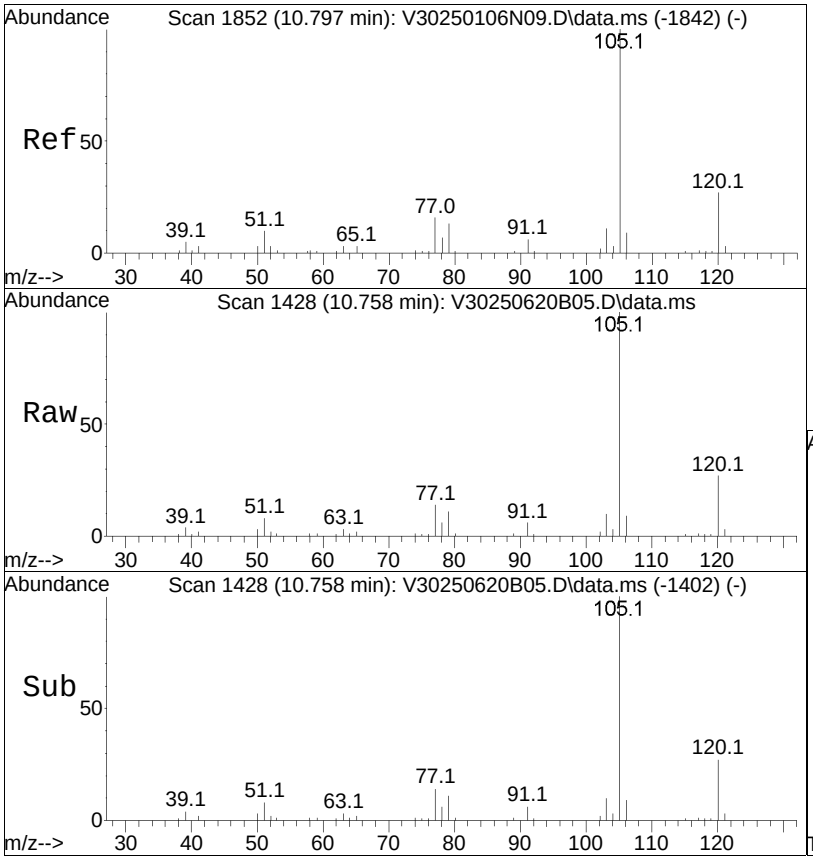


#85
Bromoform
Concen: 7.39 ug/L
RT: 10.463 min Scan# 1387
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:173 Resp: 25496

Ion	Ratio	Lower	Upper
173	100		
175	51.2	37.8	56.6

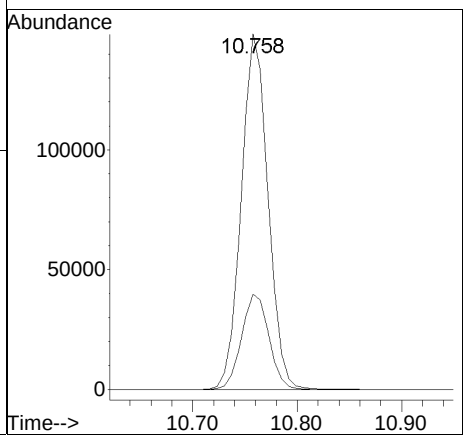


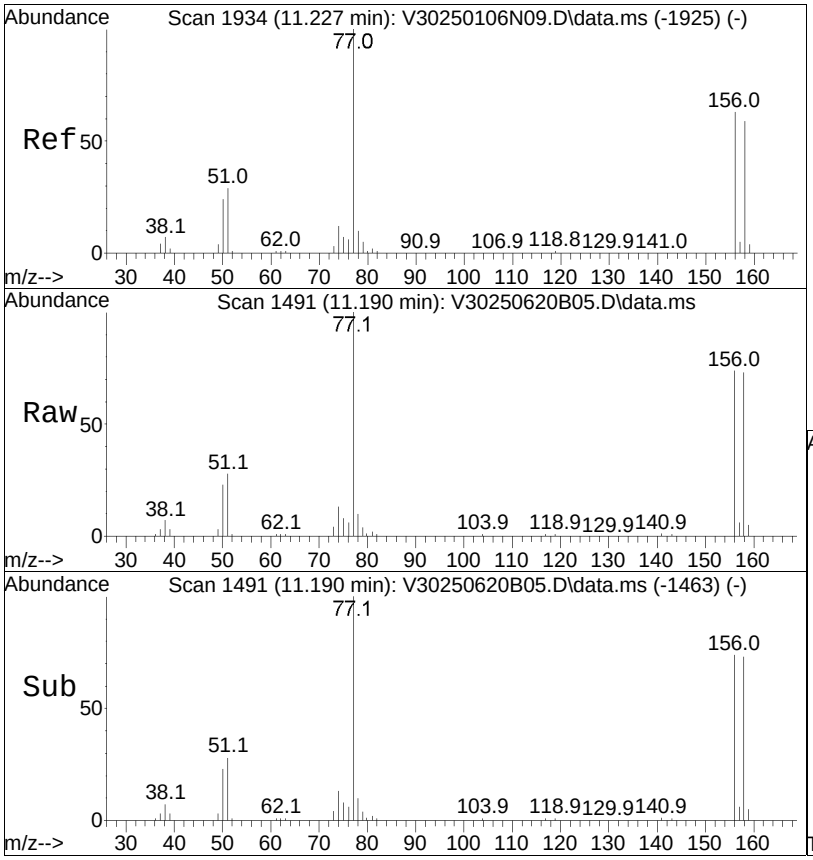


#87
Isopropylbenzene
Concen: 9.08 ug/L
RT: 10.758 min Scan# 1428
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:105 Resp: 263454

Ion	Ratio	Lower	Upper
105	100		
120	27.4	20.0	30.0

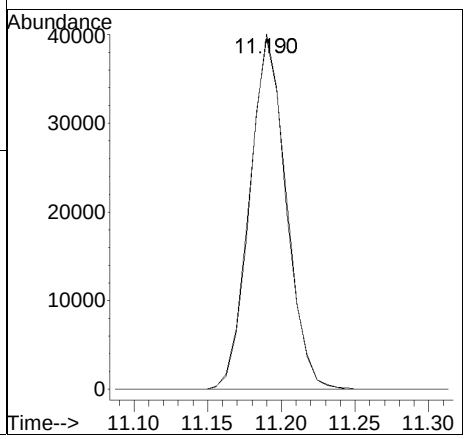


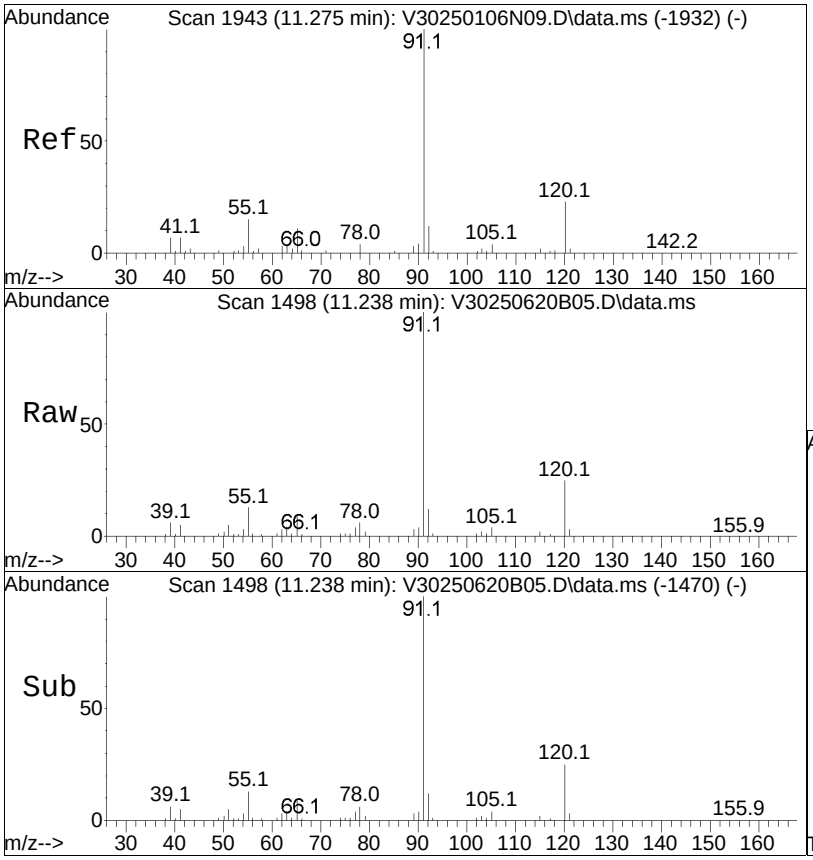


#89
Bromobenzene
Concen: 8.97 ug/L
RT: 11.190 min Scan# 1491
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:156 Resp: 68857

Ion	Ratio	Lower	Upper
156	100		
158	99.3	78.3	117.5

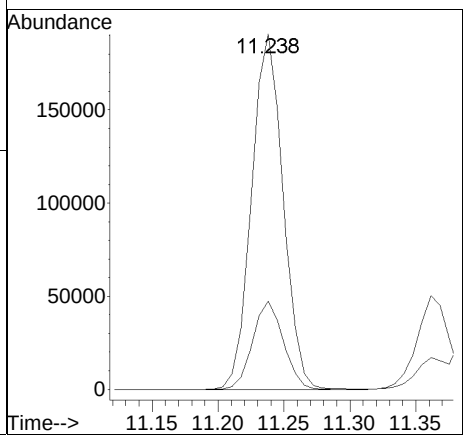


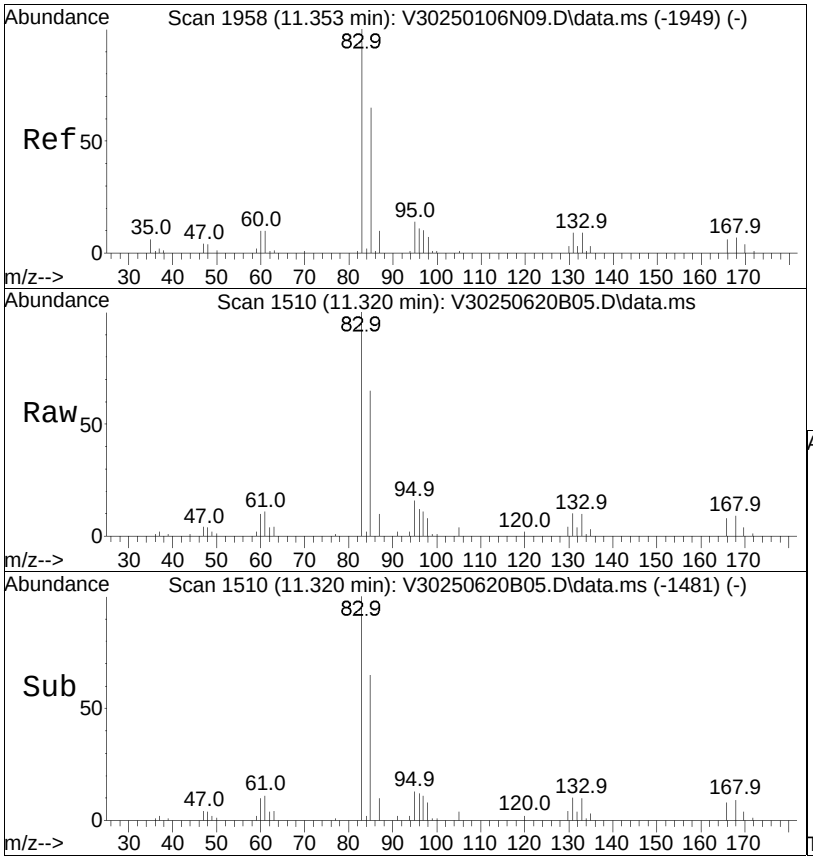


#90
n-Propylbenzene
Concen: 9.45 ug/L
RT: 11.238 min Scan# 1498
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 91 Resp: 316819

Ion	Ratio	Lower	Upper
91	100		
120	24.2	16.3	24.5

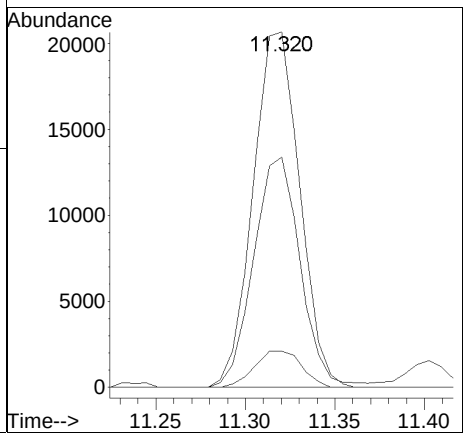


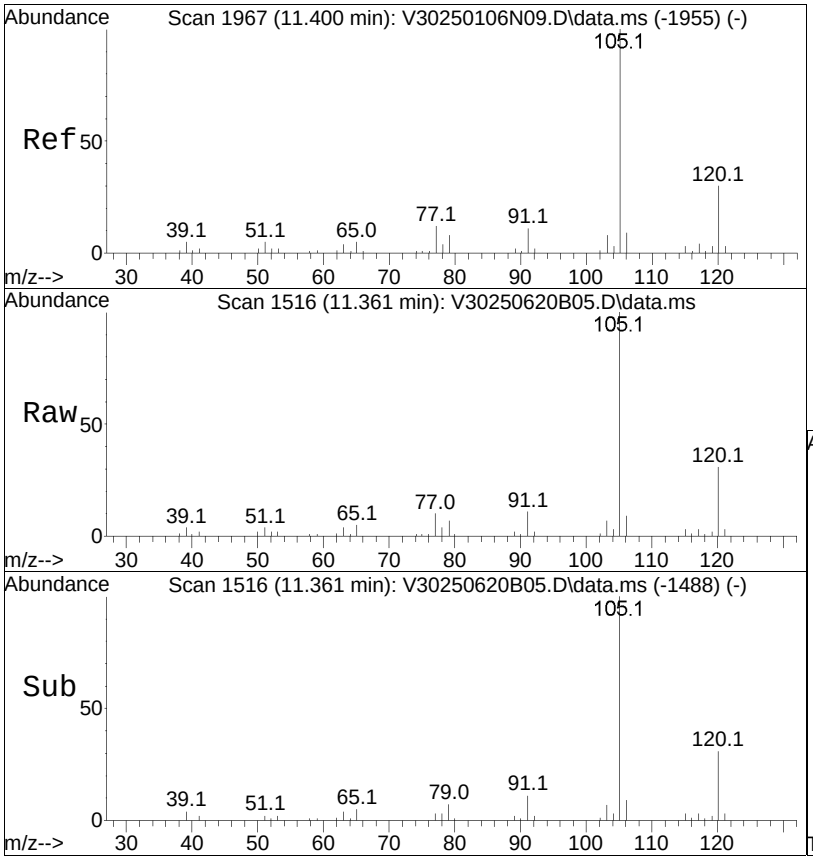


#92
1,1,2,2-Tetrachloroethane
Concen: 7.86 ug/L
RT: 11.320 min Scan# 1510
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 83 Resp: 37481

Ion	Ratio	Lower	Upper
83	100		
131	10.4	6.6	10.0#
85	64.9	51.8	77.6

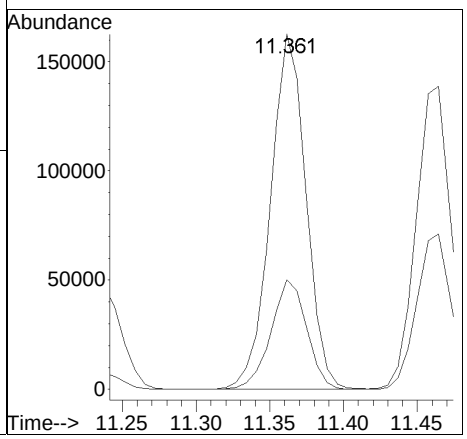


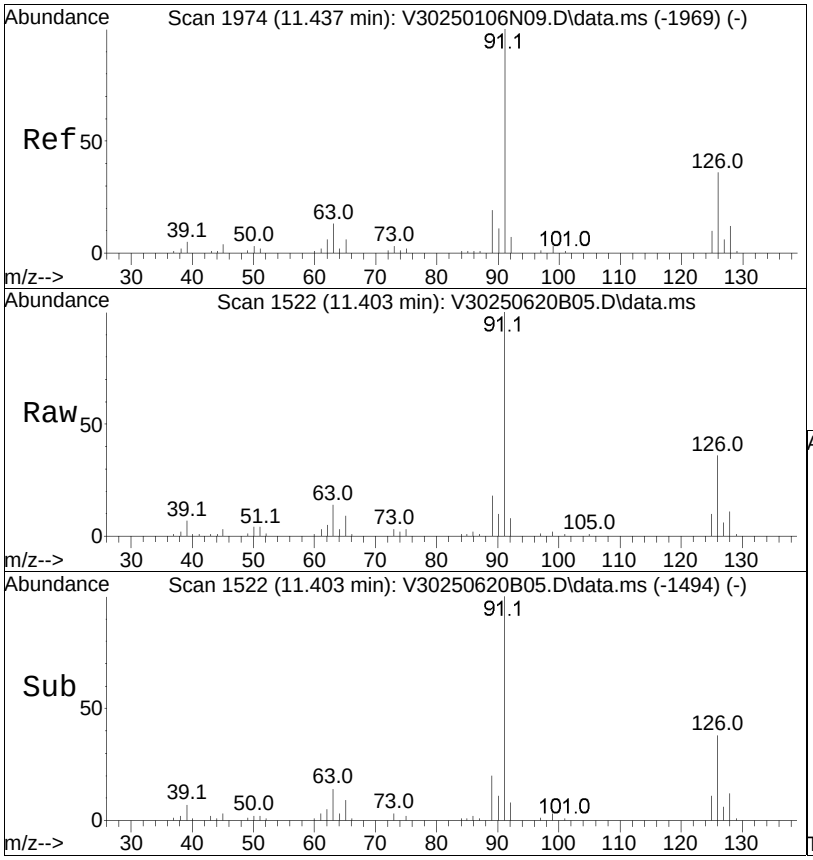


#93
4-Ethyltoluene
Concen: 9.54 ug/L
RT: 11.361 min Scan# 1516
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:105 Resp: 272649

Ion	Ratio	Lower	Upper
105	100		
120	31.0	18.5	38.3

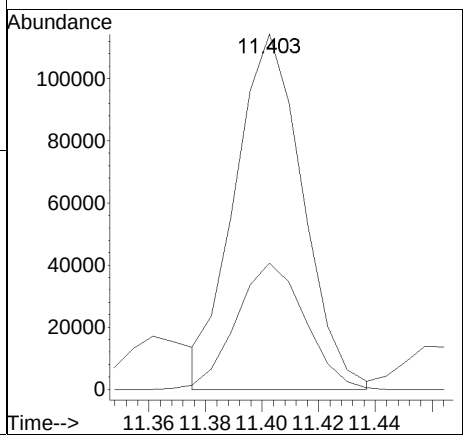


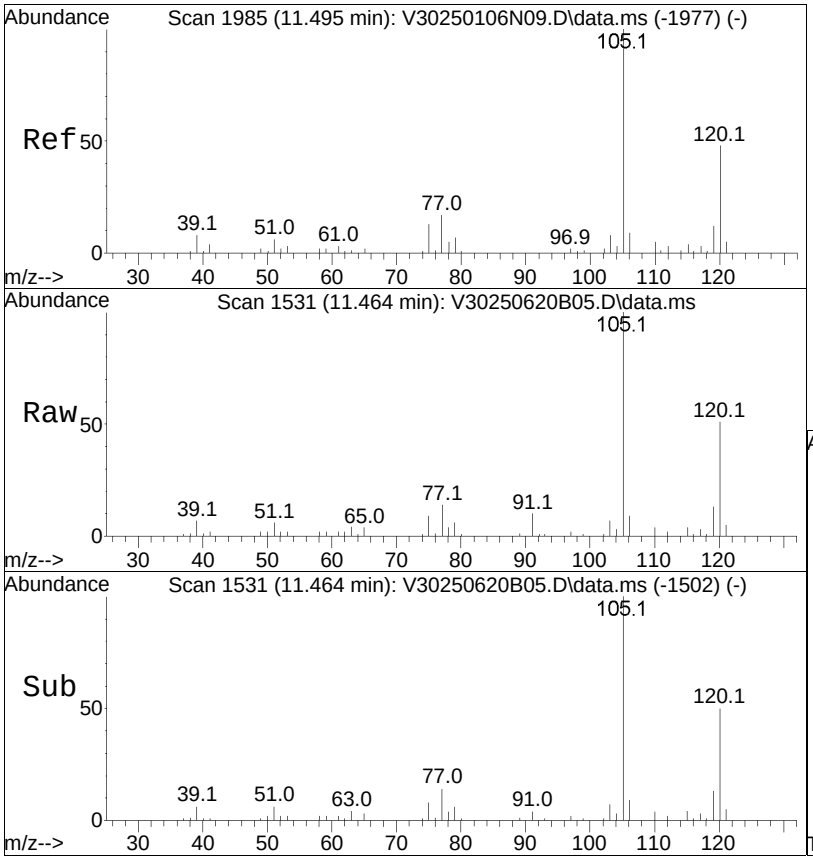


#94
2-Chlorotoluene
Concen: 9.41 ug/L M6
RT: 11.403 min Scan# 1522
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 91 Resp: 190260

Ion	Ratio	Lower	Upper
91	100		
126	36.1	20.6	31.0#

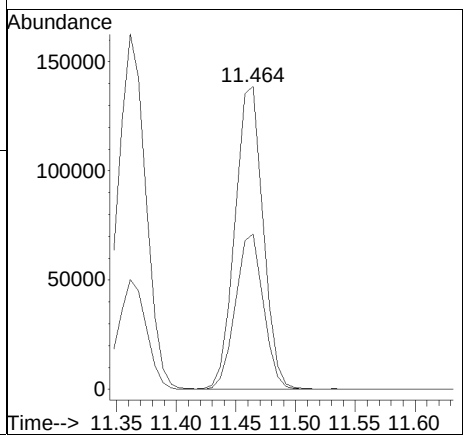


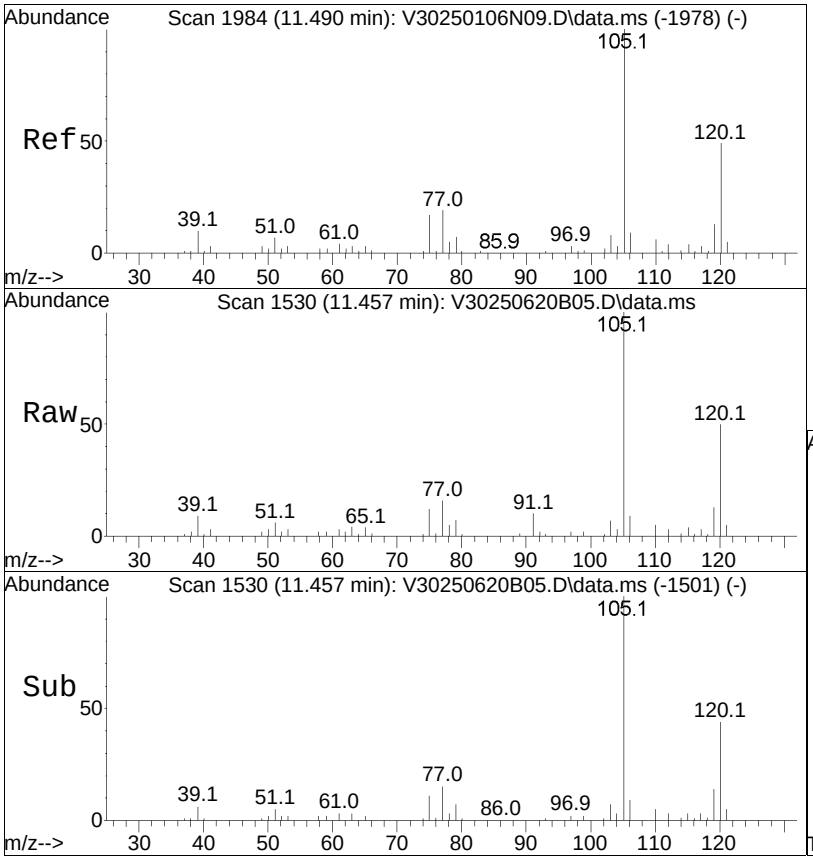


#95
1,3,5-Trimethylbenzene
Concen: 9.68 ug/L
RT: 11.464 min Scan# 1531
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:105 Resp: 228652

Ion	Ratio	Lower	Upper
105	100		
120	50.8	37.8	56.6

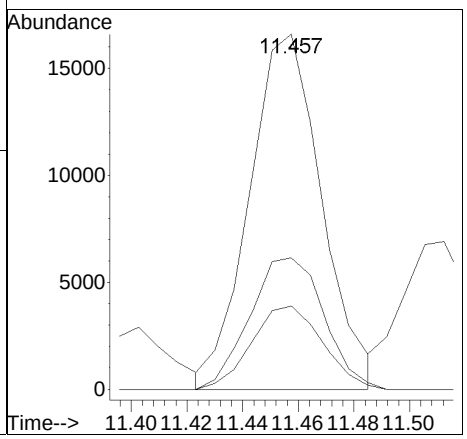


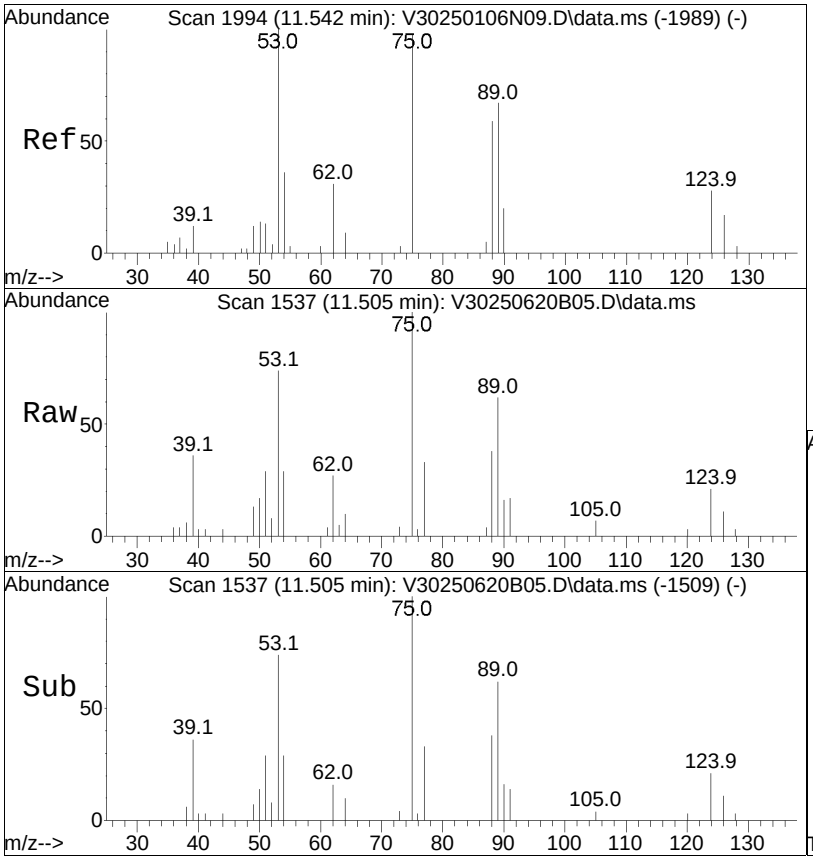


#96
1,2,3-Trichloropropane
Concen: 7.90 ug/L
RT: 11.457 min Scan# 1530
Delta R.T. 0.000 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 75 Resp: 29989

Ion	Ratio	Lower	Upper
75	100		
110	37.9	18.4	38.2
112	23.1	12.0	25.0

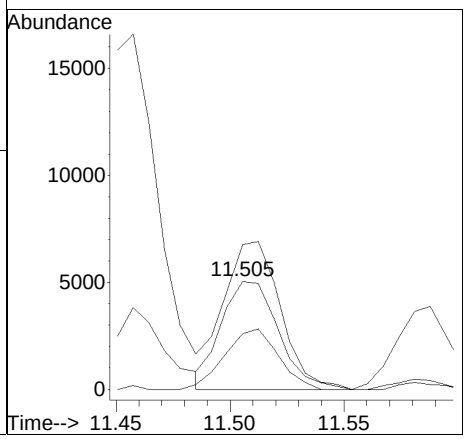


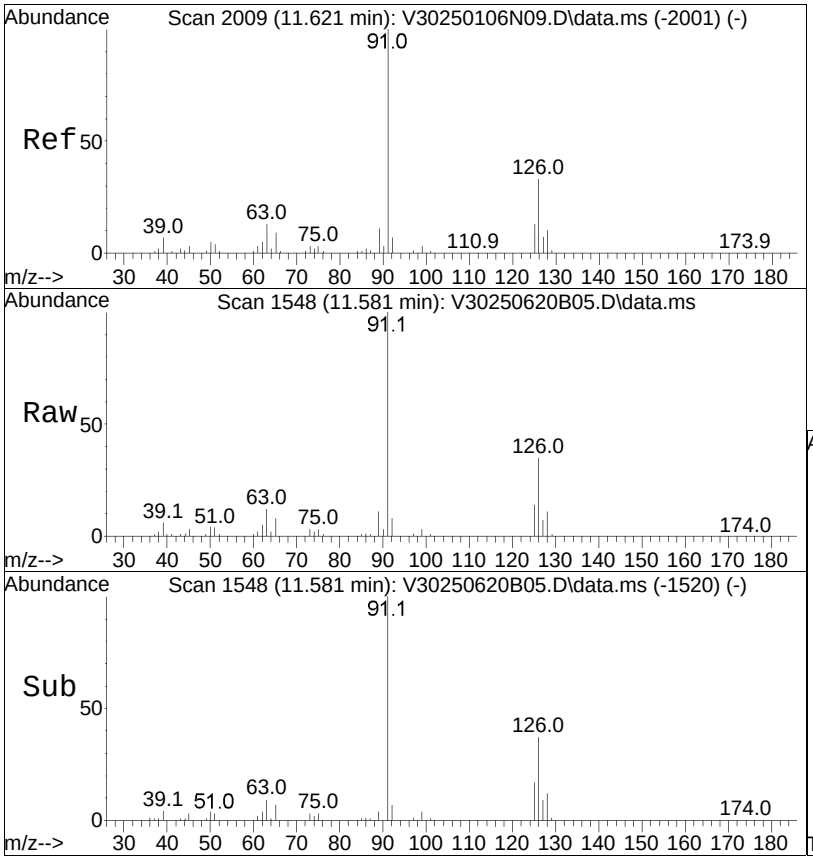


#97
trans-1,4-Dichloro-2-butene
Concen: 7.84 ug/L
RT: 11.505 min Scan# 1537
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 53 Resp: 8833

Ion	Ratio	Lower	Upper
53	100		
88	52.4	33.5	50.3#
75	136.8	94.6	141.8

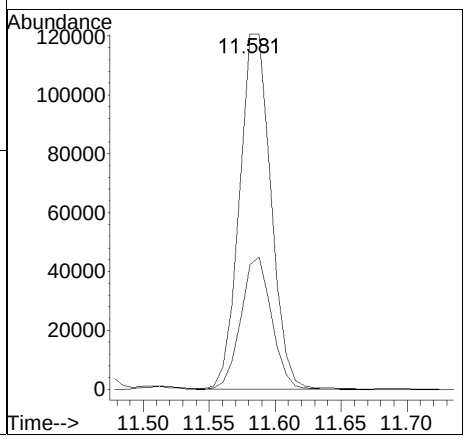


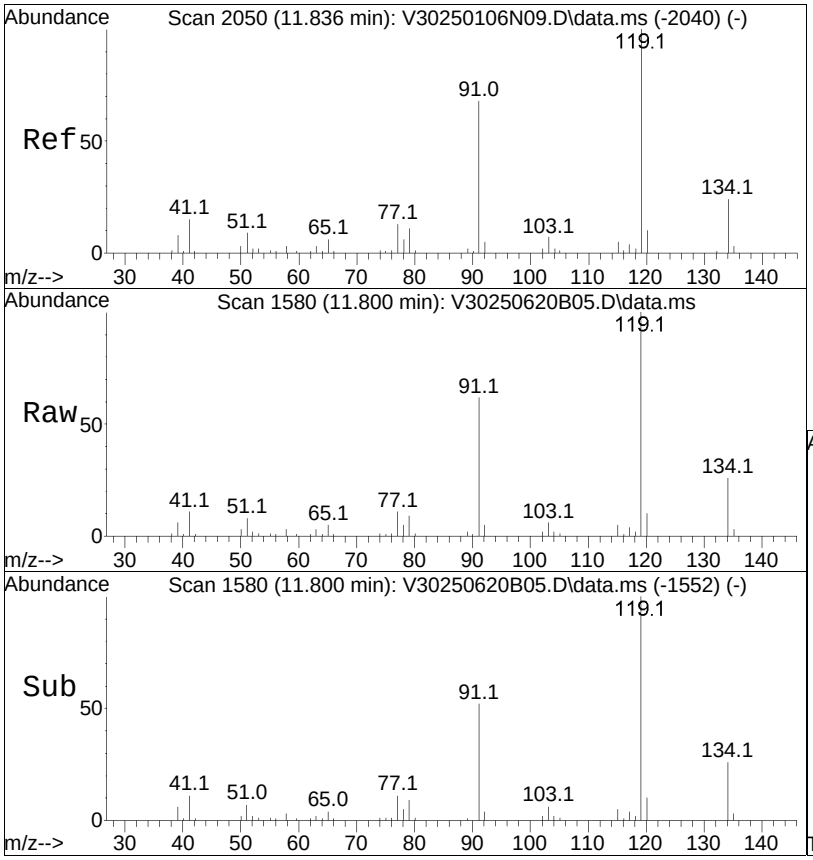


#98
4-Chlorotoluene
Concen: 9.32 ug/L
RT: 11.581 min Scan# 1548
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 91 Resp: 199456

Ion	Ratio	Lower	Upper
91	100		
126	36.6	23.8	35.8#

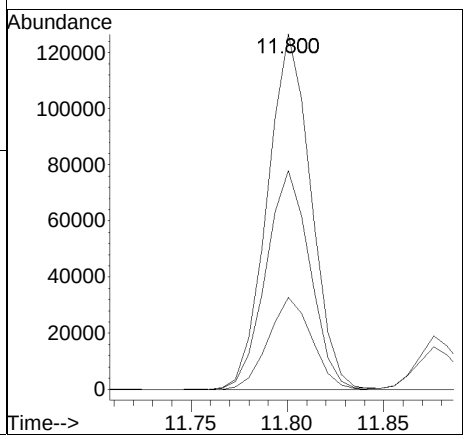


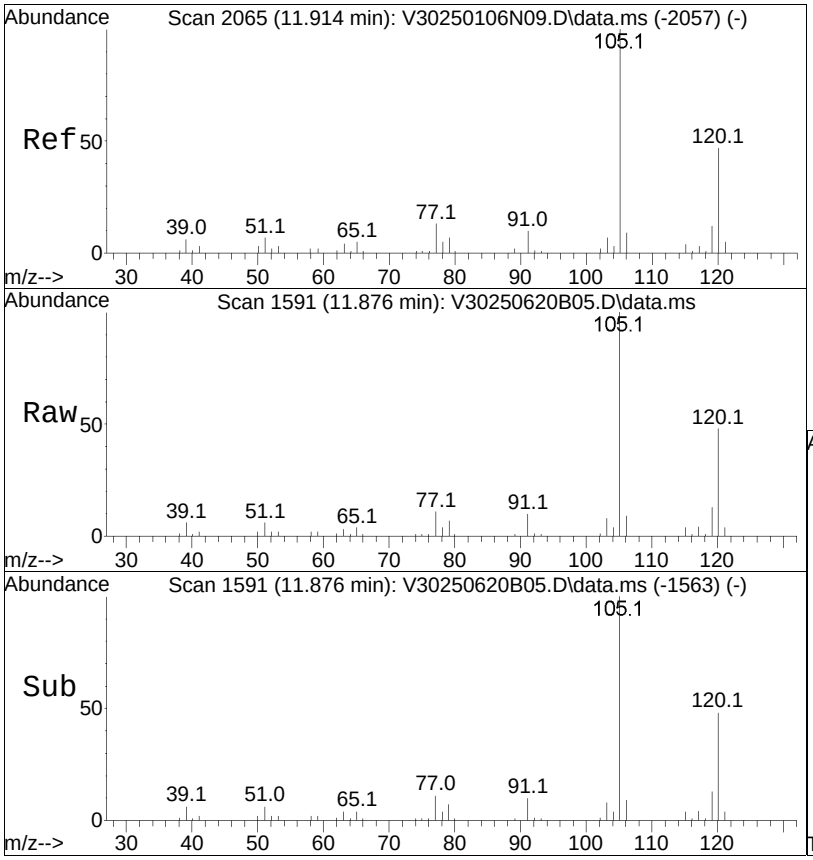


#99
tert-Butylbenzene
Concen: 9.23 ug/L
RT: 11.800 min Scan# 1580
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:119 Resp: 199113

Ion	Ratio	Lower	Upper
119	100		
91	62.6	58.8	88.2
134	25.8	18.6	27.8

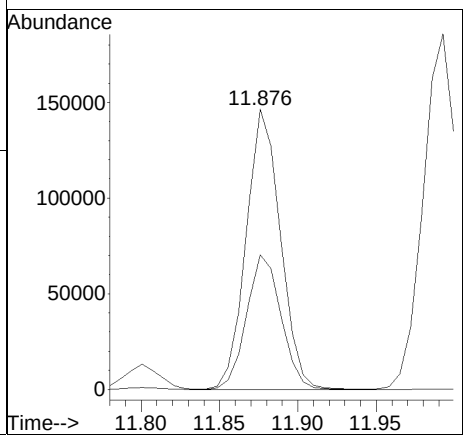


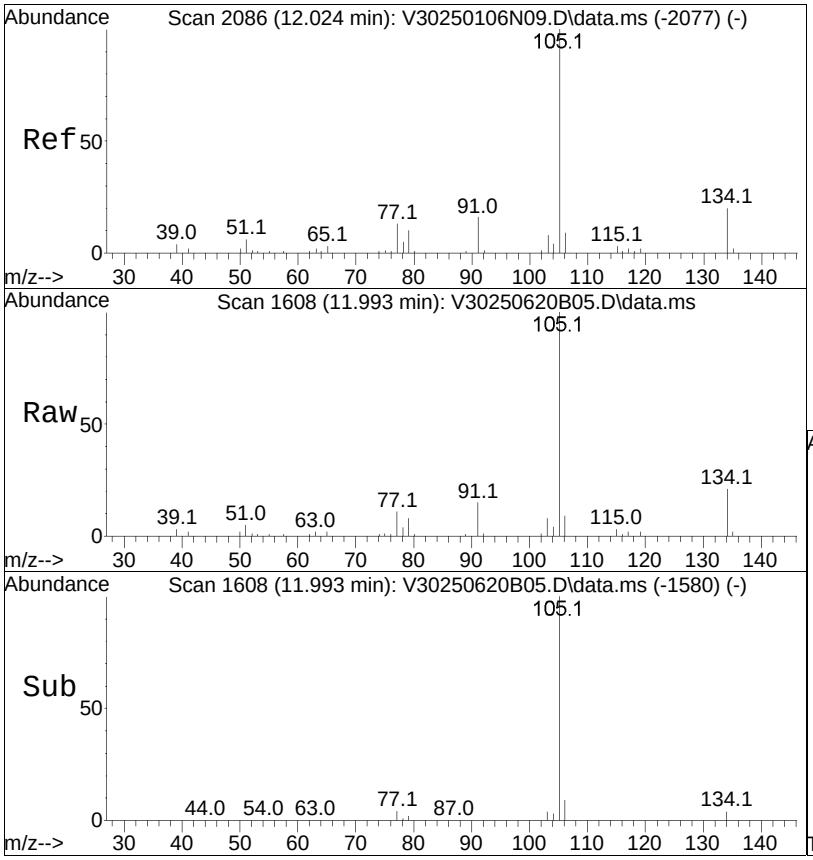


#102
1,2,4-Trimethylbenzene
Concen: 9.77 ug/L
RT: 11.876 min Scan# 1591
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:105 Resp: 223002

Ion	Ratio	Lower	Upper
105	100		
120	48.3	35.2	52.8

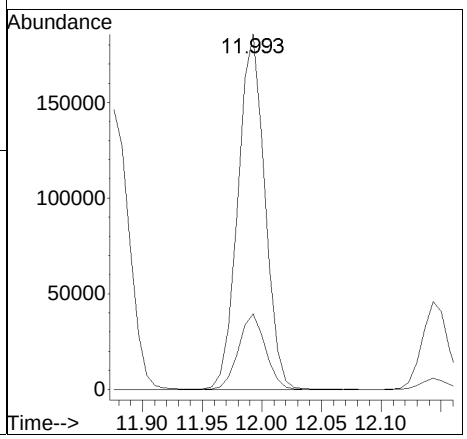


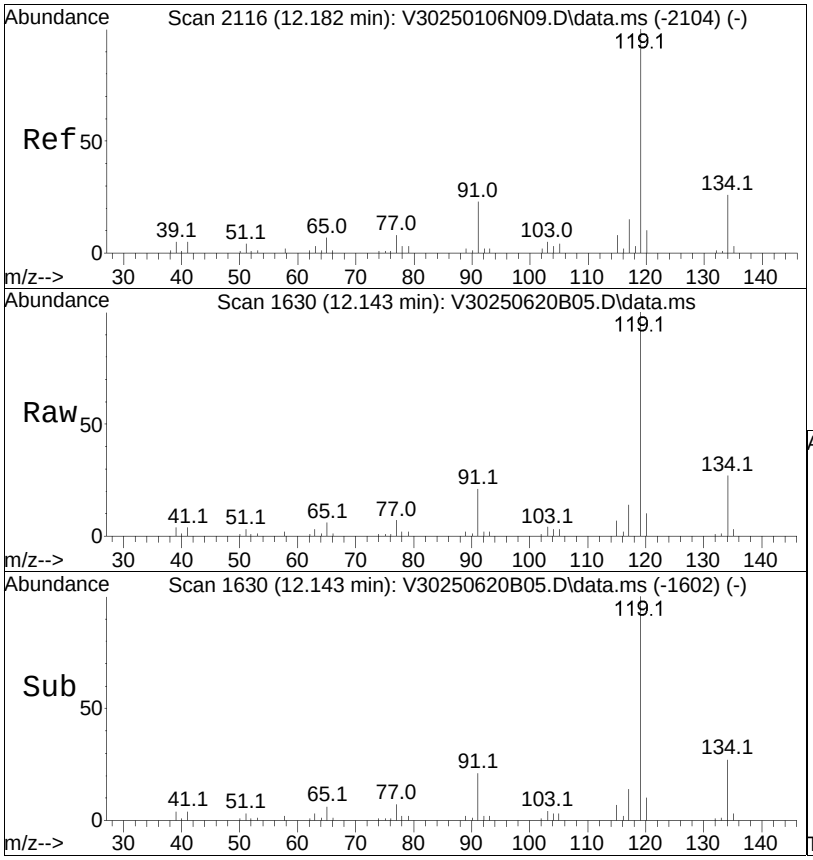


#103
sec-Butylbenzene
Concen: 9.67 ug/L
RT: 11.993 min Scan# 1608
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:105 Resp: 290661

Ion	Ratio	Lower	Upper
105	100		
134	21.2	11.4	23.6

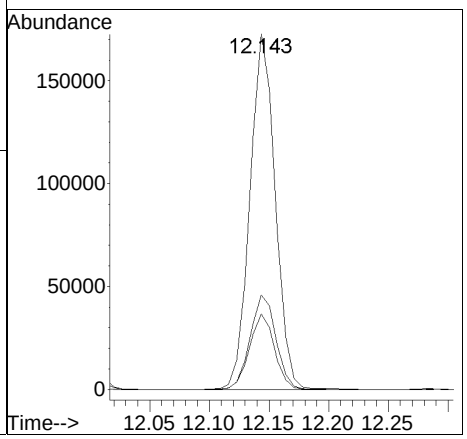


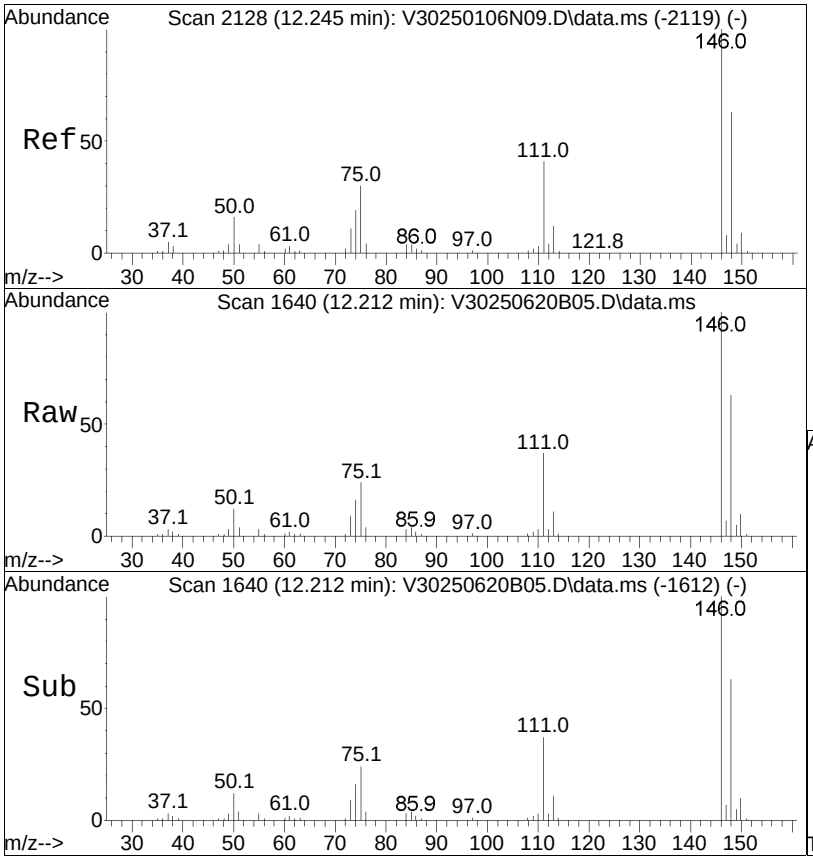


#104
p-Isopropyltoluene
Concen: 9.66 ug/L
RT: 12.143 min Scan# 1630
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:119 Resp: 254320

Ion	Ratio	Lower	Upper
119	100		
134	27.0	15.9	33.1
91	21.0	16.6	34.4

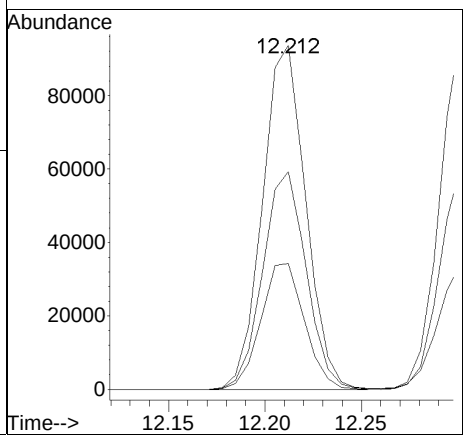


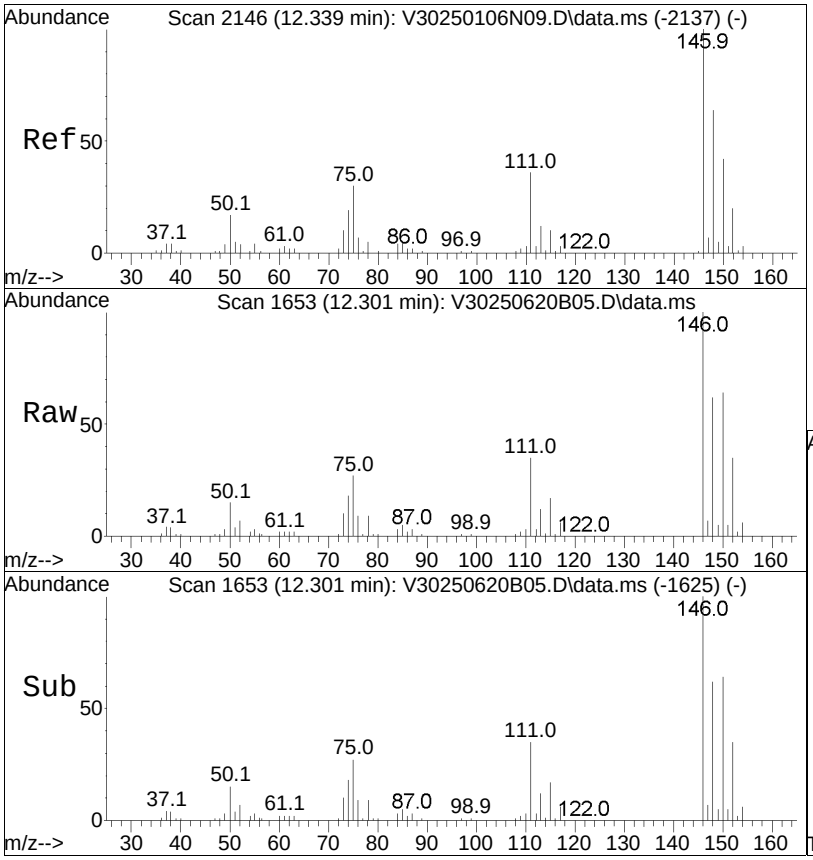


#105
1,3-Dichlorobenzene
Concen: 9.73 ug/L
RT: 12.212 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:146 Resp: 146033

Ion	Ratio	Lower	Upper
146	100		
111	37.0	28.0	58.1
148	63.5	40.8	84.6

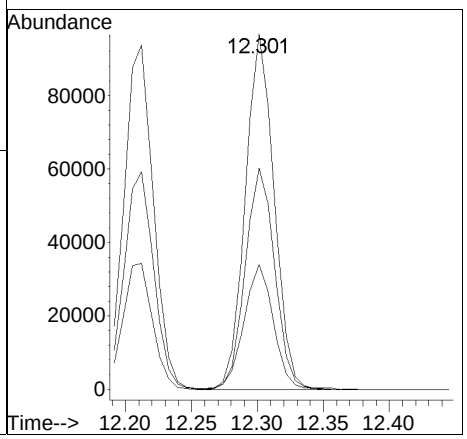


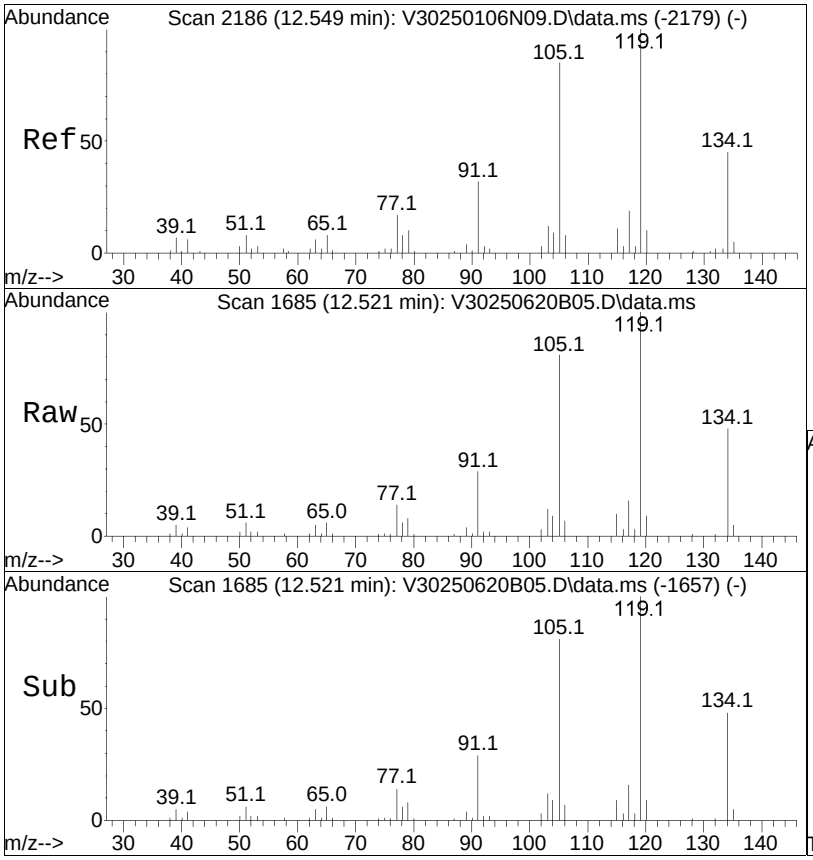


#106
1,4-Dichlorobenzene
Concen: 9.69 ug/L
RT: 12.301 min Scan# 1653
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:146 Resp: 146937

Ion	Ratio	Lower	Upper
146	100		
111	36.0	33.7	50.5
148	63.6	50.8	76.2

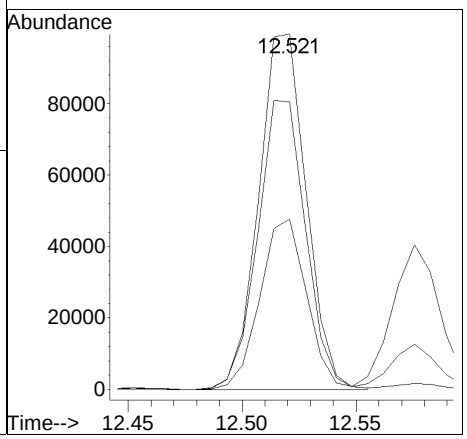


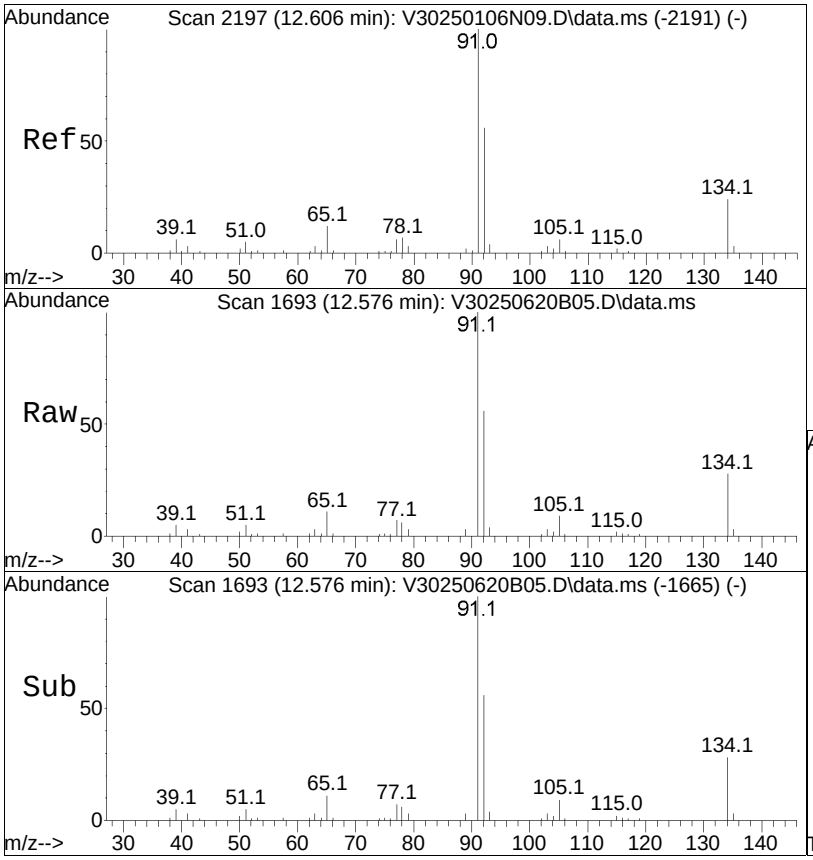


#107
p-Diethylbenzene
Concen: 9.54 ug/L
RT: 12.521 min Scan# 1685
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:119 Resp: 144854

Ion	Ratio	Lower	Upper
119	100		
105	81.8	58.4	121.2
134	47.0	28.7	59.5

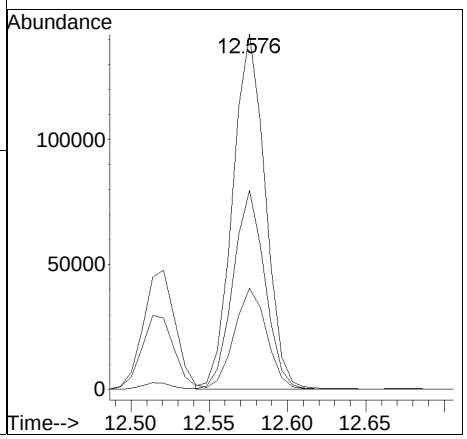


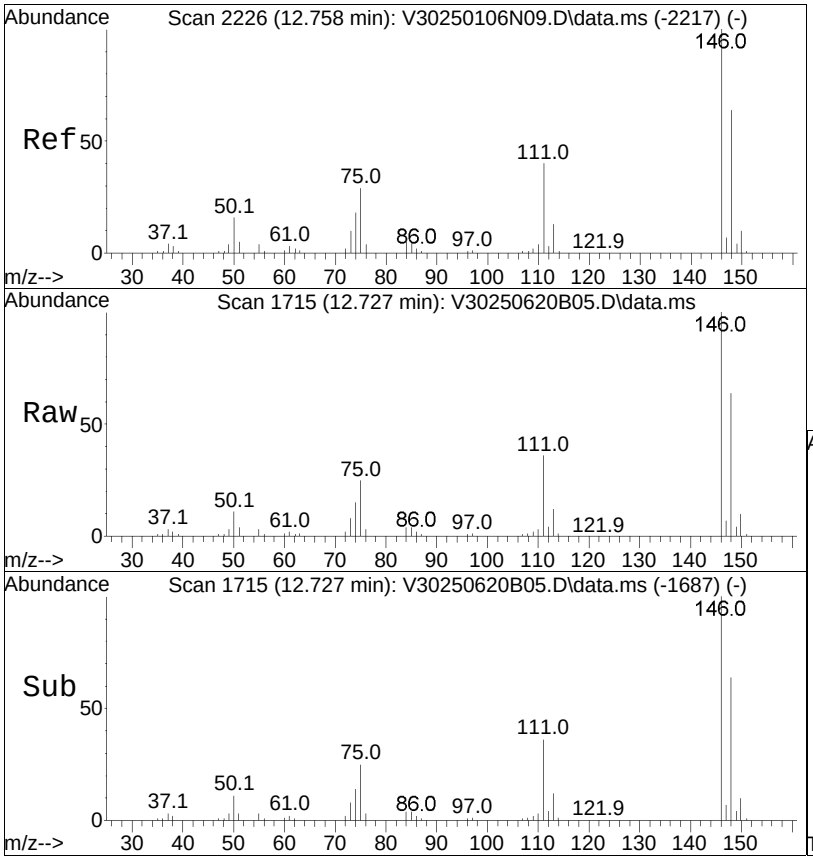


#108
n-Butylbenzene
Concen: 10.00 ug/L
RT: 12.576 min Scan# 1693
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion: 91 Resp: 205587

Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.2	66.4
134	28.5	17.8	26.6#

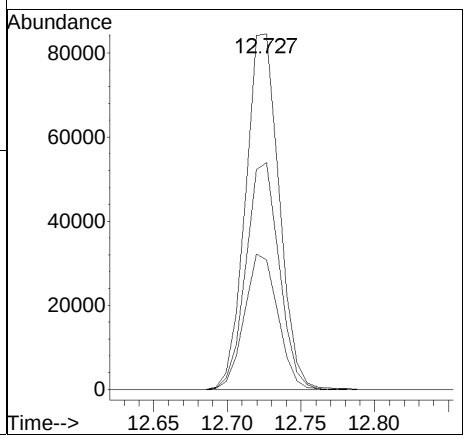


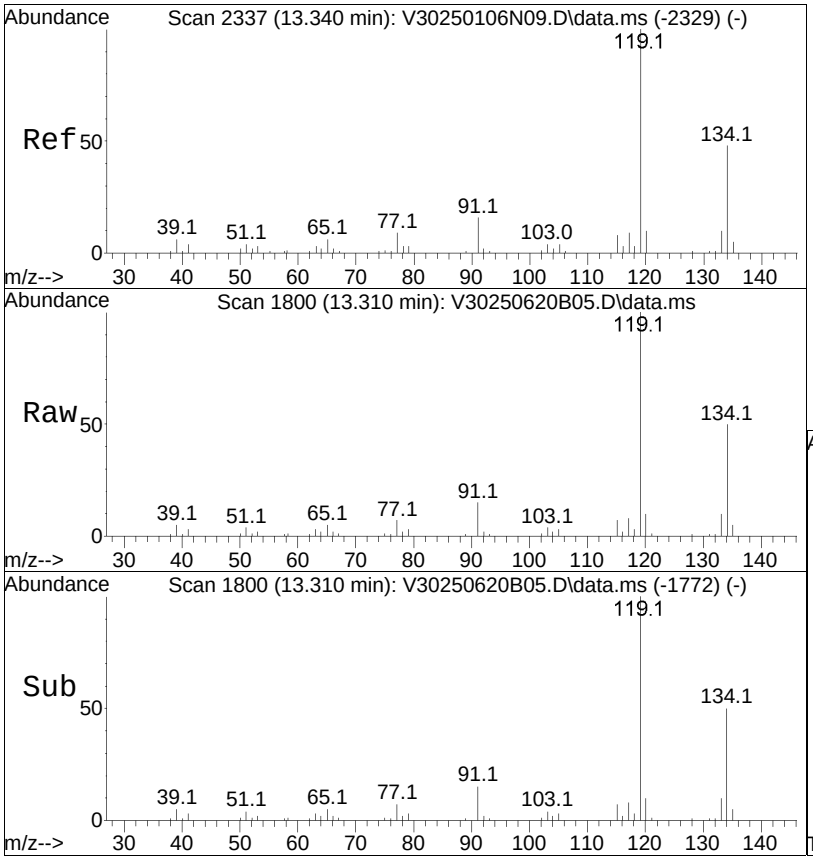


#109
1,2-Dichlorobenzene
Concen: 9.65 ug/L
RT: 12.727 min Scan# 1715
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:146 Resp: 134353

Ion	Ratio	Lower	Upper
146	100		
111	37.8	29.5	61.3
148	63.1	41.3	85.9

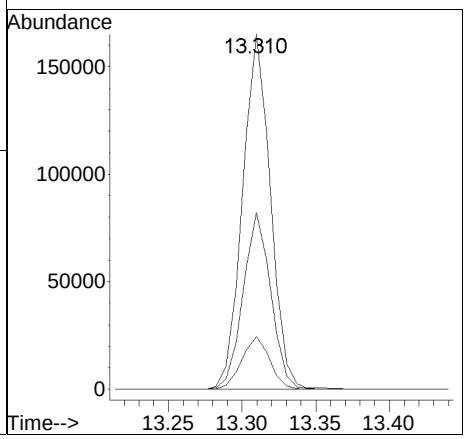


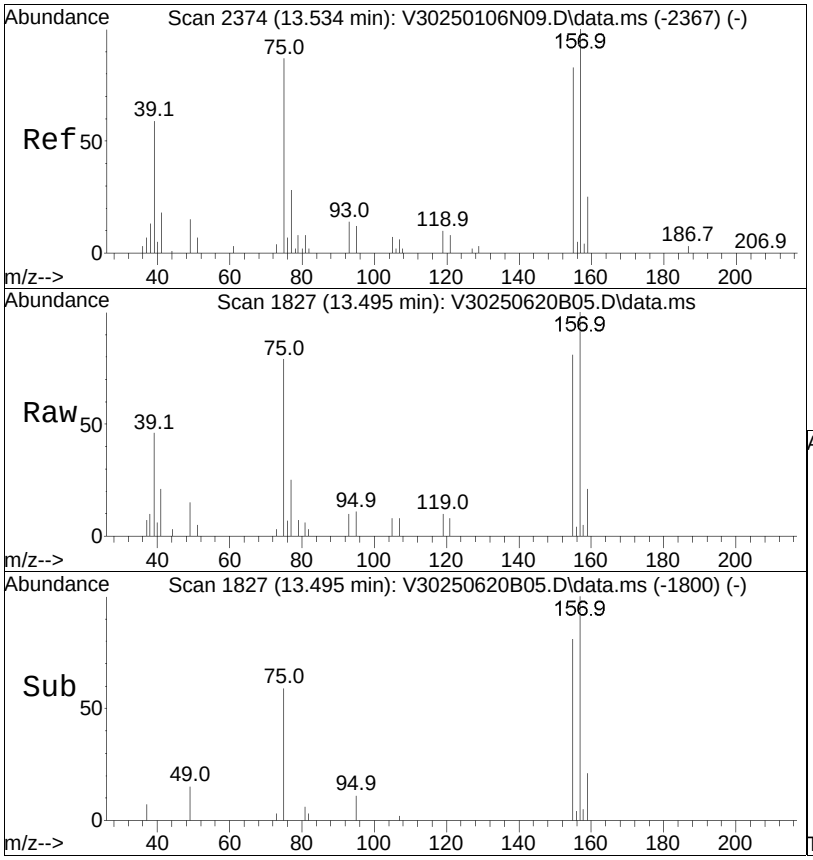


#110
1,2,4,5-Tetramethylbenzene
Concen: 9.96 ug/L
RT: 13.310 min Scan# 1800
Delta R.T. -0.006 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:119 Resp: 217703

Ion	Ratio	Lower	Upper
119	100		
134	49.4	29.1	60.5
91	14.9	11.5	23.9

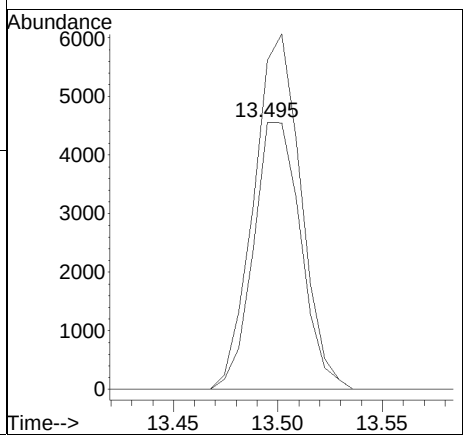


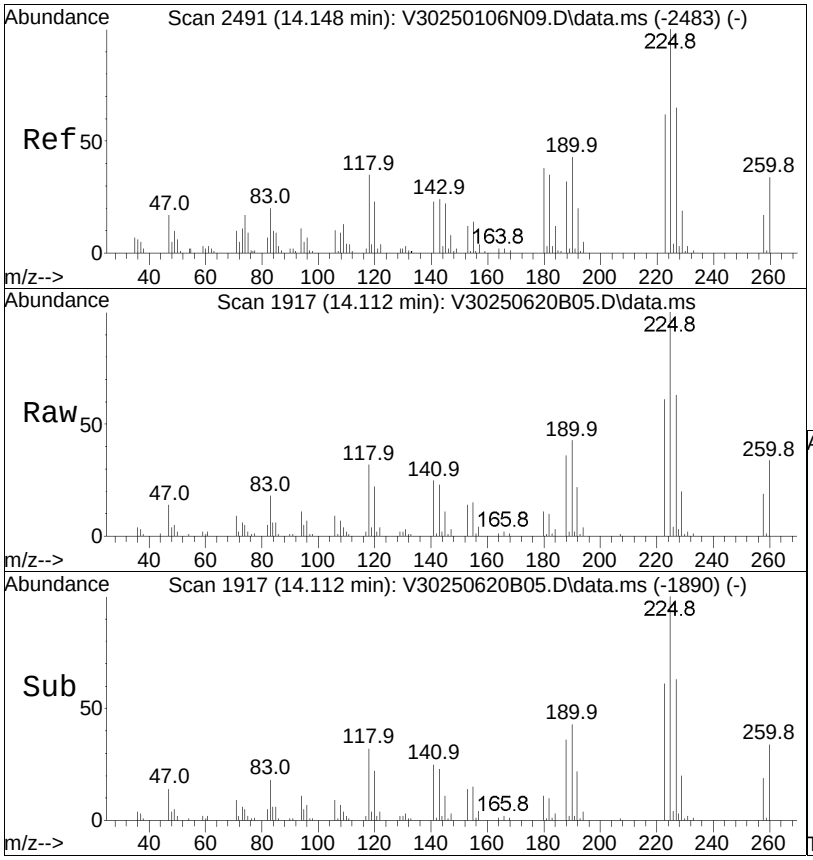


#111
1,2-Dibromo-3-chloropropane
Concen: 8.49 ug/L
RT: 13.495 min Scan# 1827
Delta R.T. -0.013 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:155 Resp: 7182

Ion	Ratio	Lower	Upper
155	100		
157	132.6	105.1	157.7

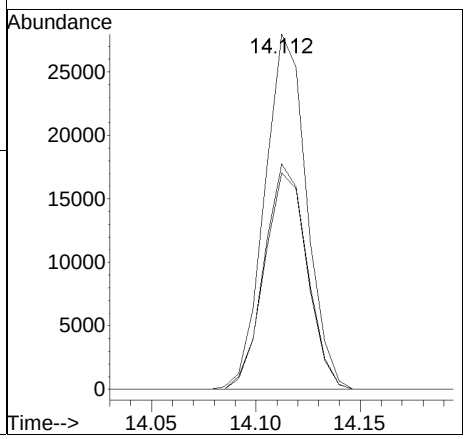


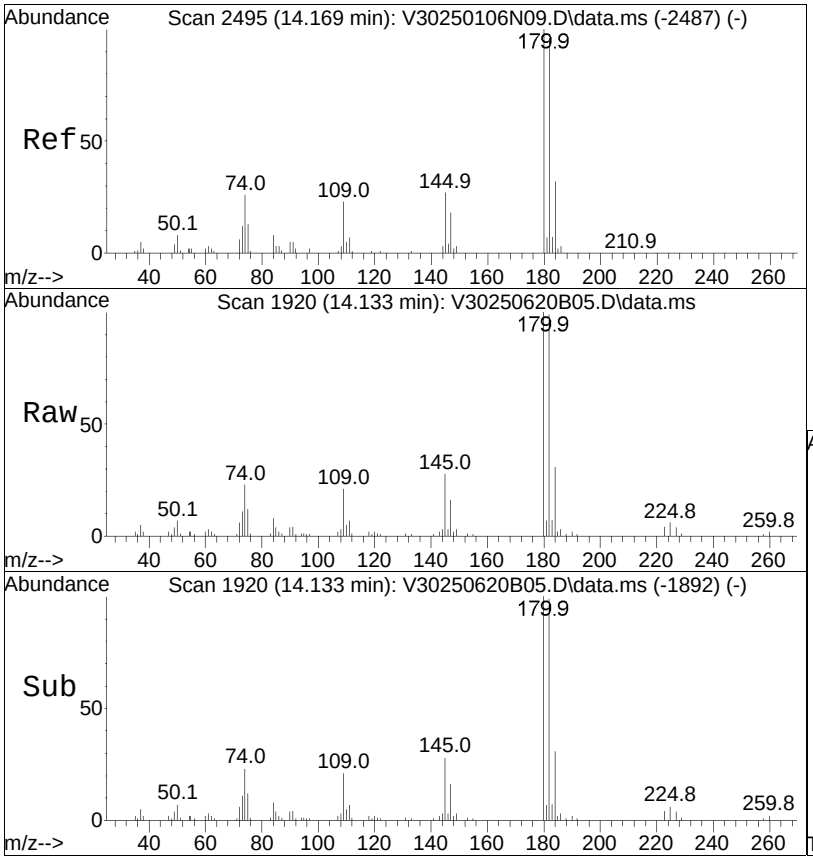


#113
Hexachlorobutadiene
Concen: 10.23 ug/L
RT: 14.112 min Scan# 1917
Delta R.T. -0.014 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:225 Resp: 39103

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	75.8
227	64.6	50.6	76.0

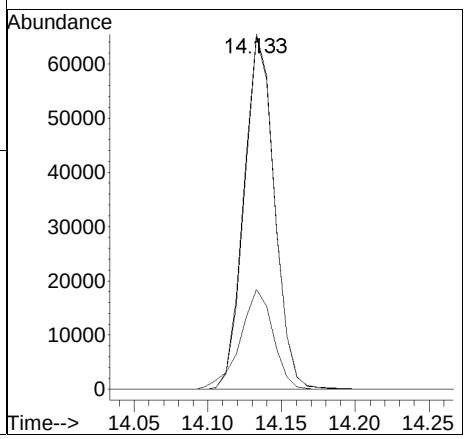


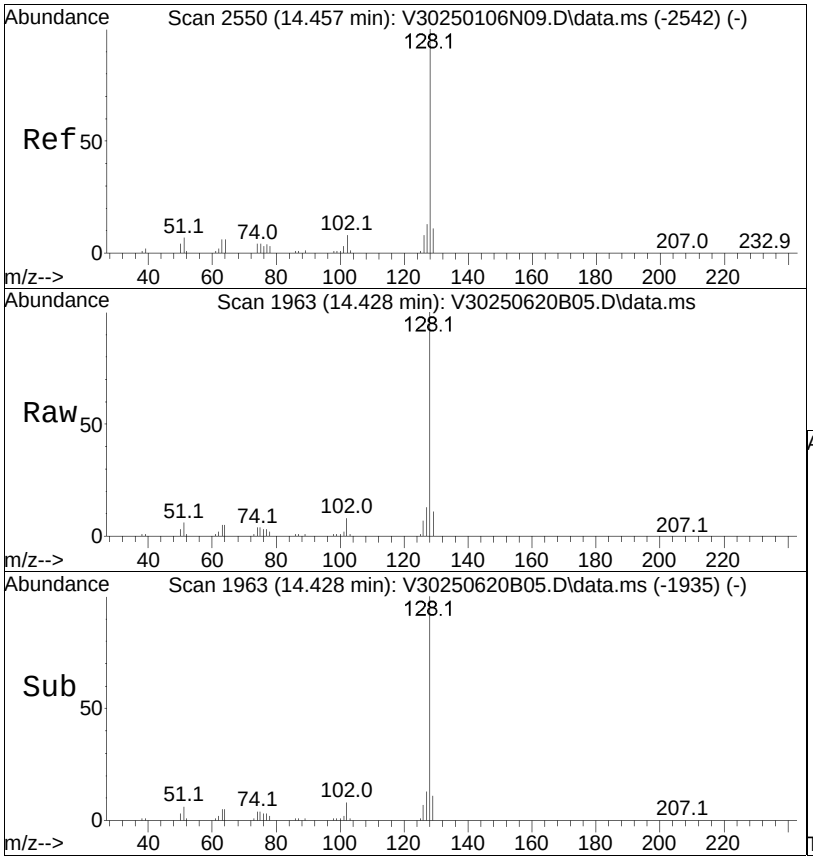


#114
1,2,4-Trichlorobenzene
Concen: 10.45 ug/L
RT: 14.133 min Scan# 1920
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:180 Resp: 94634

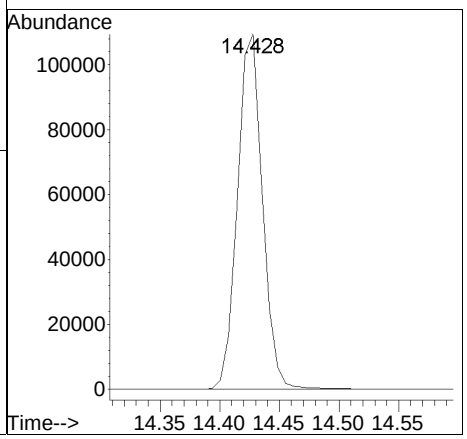
Ion	Ratio	Lower	Upper
180	100		
182	98.0	75.7	113.5
145	30.3	27.4	41.2

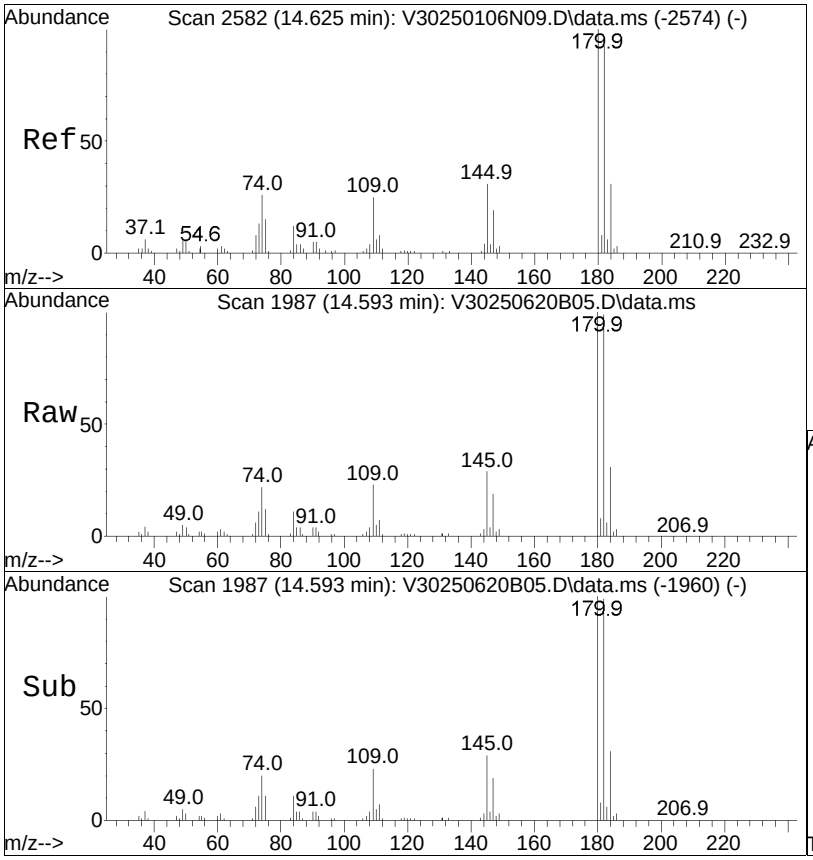




#115
Naphthalene
Concen: 9.06 ug/L
RT: 14.428 min Scan# 1963
Delta R.T. -0.007 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:128 Resp: 160048

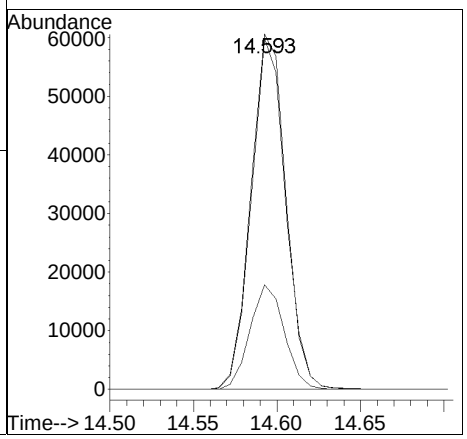




#116
1,2,3-Trichlorobenzene
Concen: 10.42 ug/L
RT: 14.593 min Scan# 1987
Delta R.T. -0.013 min
Lab File: V30250620B05.D
Acq: 20 Jun 2025 11:46 am

Tgt Ion:180 Resp: 88205

Ion	Ratio	Lower	Upper
180	100		
182	96.6	74.9	112.3
145	29.0	26.0	39.0

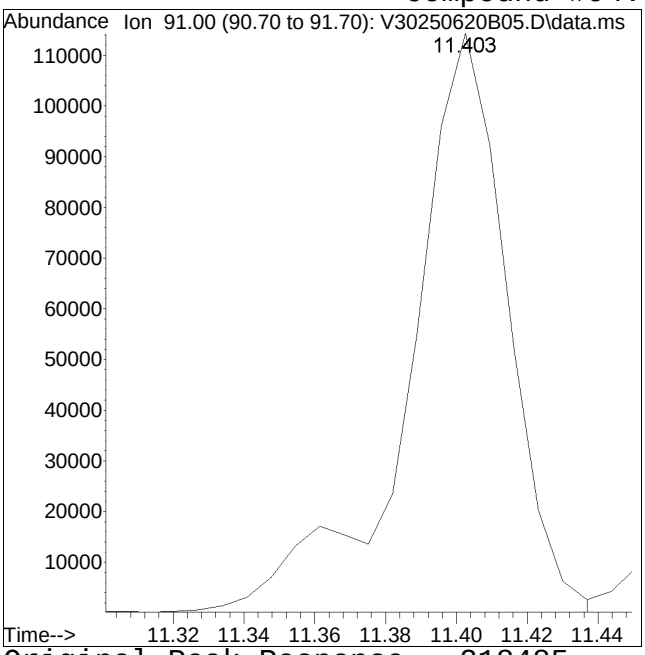


Manual Integration Report

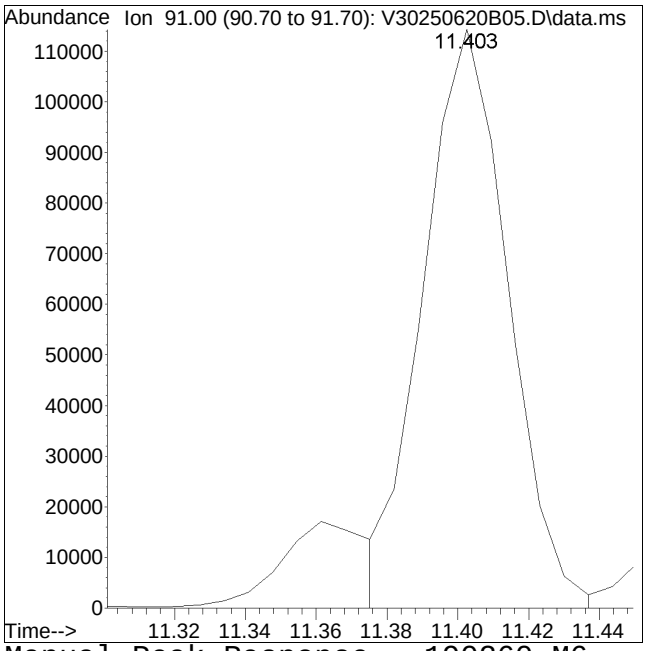
Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B05.D
Date Inj'd : 6/20/2025 11:46 am
Sample : WG2082353-3,31,10,10

QMethod : V130_250521A_8260D.m
Operator : VOA130:PID
Instrument : VOA130
Quant Date : 6/20/2025 12:06 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 218485



Manual Peak Response = 190260 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A02.D
Acq On : 19 Jun 2025 10:11 am
Operator : ELAINE:PID
Sample : WG2081757-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 10:54:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	270435	10.000	ug/L	0.00
Standard Area 1 = 268738			Recovery = 100.63%			
63) Chlorobenzene-d5	9.257	117	219901	10.000	ug/L	0.00
Standard Area 1 = 217636			Recovery = 101.04%			
84) 1,4-Dichlorobenzene-d4	12.010	152	136651	10.000	ug/L	0.00
Standard Area 1 = 131839			Recovery = 103.65%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	79180	10.515	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.15%			
47) 1,2-Dichloroethane-d4	5.461	65	78630	10.546	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.46%			
64) Toluene-d8	7.420	98	279914	10.100	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 101.00%			
88) 4-Bromofluorobenzene	10.777	95	98458	8.938	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	51709	5.931	ug/L	98
3) Chloromethane	1.698	50	60082	6.507	ug/L	99
4) Vinyl chloride	1.759	62	67024	8.430	ug/L	99
5) Bromomethane	2.049	94	31080	7.028	ug/L	100
6) Chloroethane	2.154	64	51585	10.002	ug/L	99
7) Trichlorofluoromethane	2.291	101	96332	9.308	ug/L	100
8) Ethyl ether	2.572	74	33215	10.201	ug/L	87
10) 1,1-Dichloroethene	2.756	96	59634	9.764	ug/L	81
11) Carbon disulfide	2.787	76	178679	9.272	ug/L	99
15) Methylene chloride	3.292	84	65379	9.760	ug/L	86
17) Acetone	3.336	43	11805	7.887	ug/L	98
18) trans-1,2-Dichloroethene	3.437	96	59389	9.516	ug/L	90
21) Methyl tert-butyl ether	3.529	73	120567	8.464	ug/L #	92
25) 1,1-Dichloroethane	4.003	63	111939	9.087	ug/L	97
27) Acrylonitrile	4.047	53	14580	8.021	ug/L	98
29) Vinyl acetate	4.231	43	86899	7.400	ug/L	96
30) cis-1,2-Dichloroethene	4.512	96	69377	9.598	ug/L	85
31) 2,2-Dichloropropane	4.609	77	83077	8.688	ug/L #	80
33) Bromochloromethane	4.701	128	34413	9.987	ug/L #	71
35) Chloroform	4.776	83	107928	9.385	ug/L	97

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A02.D
Acq On : 19 Jun 2025 10:11 am
Operator : ELAINE:PID
Sample : WG2081757-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 10:54:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.903	117	74090M6	9.153	ug/L		
40) 1,1,1-Trichloroethane	4.965	97	86263	9.217	ug/L		96
42) 2-Butanone	5.057	43	16965	7.858	ug/L		99
43) 1,1-Dichloropropene	5.092	75	64524	9.017	ug/L		98
45) Benzene	5.329	78	221556	9.017	ug/L		96
48) 1,2-Dichloroethane	5.531	62	66350	9.042	ug/L		96
52) Trichloroethene	5.918	95	55063	9.160	ug/L		93
54) Dibromomethane	6.357	93	33319	9.518	ug/L		92
55) 1,2-Dichloropropane	6.456	63	55838	8.720	ug/L		100
58) Bromodichloromethane	6.538	83	73525	8.869	ug/L		98
61) 1,4-Dioxane	6.741	88	22481	736.618	ug/L	#	88
62) cis-1,3-Dichloropropene	7.216	75	81359	8.814	ug/L		93
65) Toluene	7.479	92	149312	9.306	ug/L		100
66) 4-Methyl-2-pentanone	7.909	58	12983	8.150	ug/L		86
67) Tetrachloroethene	7.927	166	68634	10.239	ug/L		95
69) trans-1,3-Dichloropropene	7.963	75	66662	8.561	ug/L		94
72) 1,1,2-Trichloroethane	8.153	83	35545	9.199	ug/L		92
73) Chlorodibromomethane	8.352	129	54459	9.031	ug/L		98
74) 1,3-Dichloropropane	8.461	76	76739	9.412	ug/L		99
75) 1,2-Dibromoethane	8.628	107	42739	9.207	ug/L		99
77) 2-Hexanone	8.913	43	22020	6.103	ug/L		96
78) Chlorobenzene	9.275	112	181352	9.666	ug/L		93
79) Ethylbenzene	9.312	91	296239	9.023	ug/L		98
80) 1,1,1,2-Tetrachloroethane	9.361	131	57944	9.379	ug/L		97
81) p/m Xylene	9.502	106	243015	17.711	ug/L		94
82) o Xylene	10.045	106	237202	17.469	ug/L		93
83) Styrene	10.117	104	400870	17.545	ug/L		94
85) Bromoform	10.140	173	36462	8.982	ug/L		96
87) Isopropylbenzene	10.446	105	307017	8.152	ug/L		95
89) Bromobenzene	10.887	156	81549	9.475	ug/L		99
90) n-Propylbenzene	10.940	91	365051	8.225	ug/L		96
92) 1,1,2,2-Tetrachloroethane	11.032	83	55441	9.282	ug/L		99
93) 4-Ethyltoluene	11.068	105	304767	8.056	ug/L		96
94) 2-Chlorotoluene	11.107	91	219939M6	8.352	ug/L		
95) 1,3,5-Trimethylbenzene	11.173	105	276549	8.337	ug/L		97
96) 1,2,3-Trichloropropane	11.169	75	44046	8.488	ug/L		93
97) trans-1,4-Dichloro-2-b...	11.226	53	14380	6.843	ug/L	#	78
98) 4-Chlorotoluene	11.292	91	223664	8.174	ug/L		91
99) tert-Butylbenzene	11.517	119	241201	8.363	ug/L		93

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A02.D
Acq On : 19 Jun 2025 10:11 am
Operator : ELAINE:PID
Sample : WG2081757-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 10:54:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
102)	1,2,4-Trimethylbenzene	11.596	105	279483	8.672	ug/L	93
103)	sec-Butylbenzene	11.711	105	345405	8.342	ug/L	96
104)	p-Isopropyltoluene	11.869	119	312999	8.517	ug/L	97
105)	1,3-Dichlorobenzene	11.931	146	177283	9.316	ug/L	96
106)	1,4-Dichlorobenzene	12.028	146	171634	9.140	ug/L	98
107)	p-Diethylbenzene	12.248	119	182718	8.301	ug/L	96
108)	n-Butylbenzene	12.306	91	260646	8.590	ug/L	98
109)	1,2-Dichlorobenzene	12.451	146	165819	9.366	ug/L	99
110)	1,2,4,5-Tetramethylben...	13.046	119	280734	8.187	ug/L	97
111)	1,2-Dibromo-3-chloropr...	13.235	155	10476	9.722	ug/L	95
113)	Hexachlorobutadiene	13.852	225	41023	11.246	ug/L	96
114)	1,2,4-Trichlorobenzene	13.870	180	110560	9.552	ug/L	98
115)	Naphthalene	14.165	128	222873	8.245	ug/L	100
116)	1,2,3-Trichlorobenzene	14.332	180	99550	9.594	ug/L	98

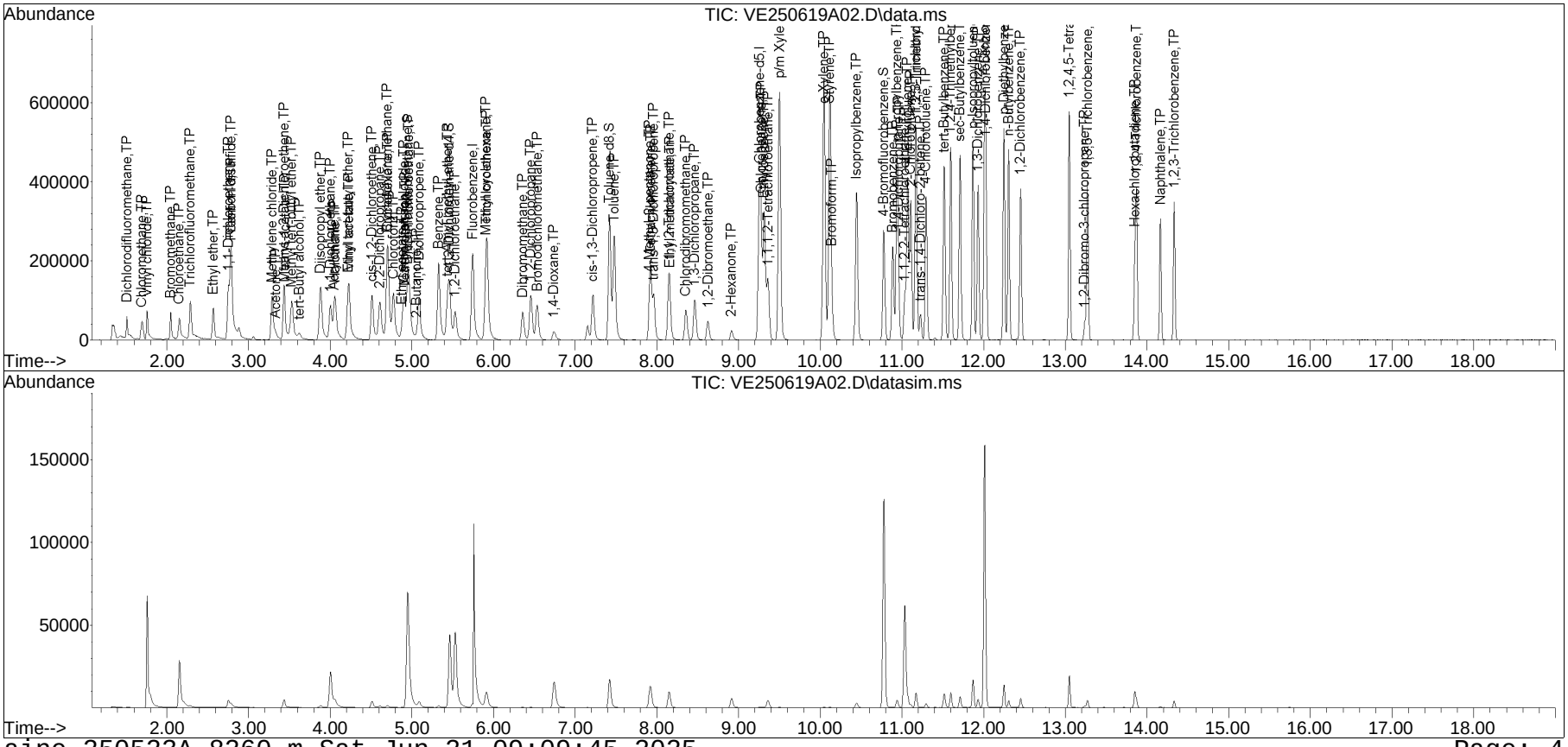
(#) = qualifier out of range (m) = manual integration (+) = signals summed

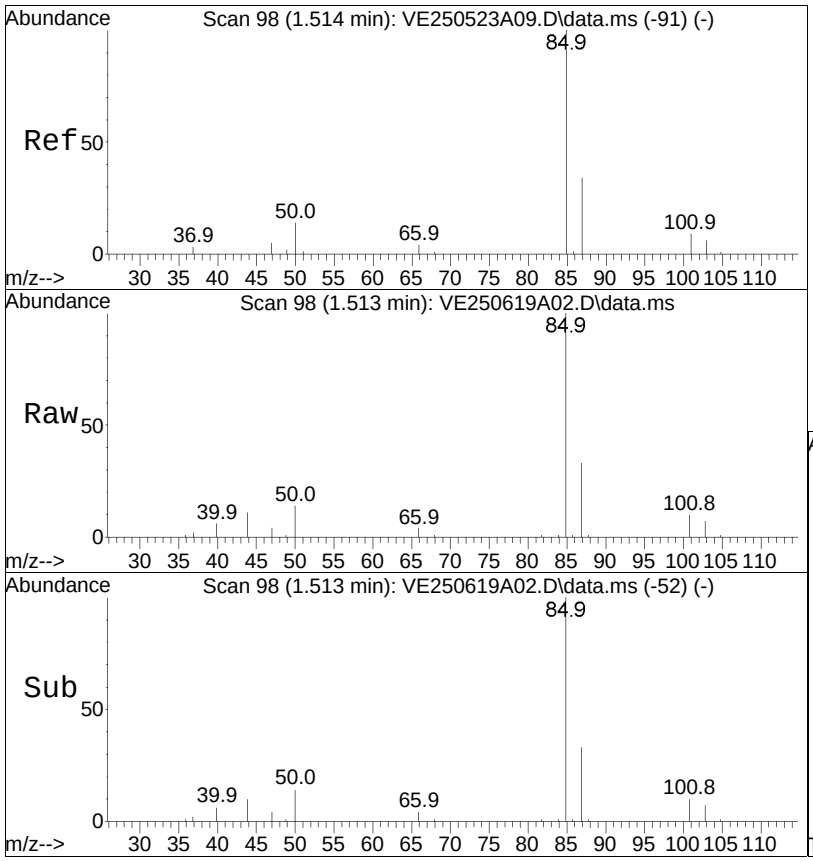
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A02.D
Acq On : 19 Jun 2025 10:11 am
Operator : ELAINE:PID
Sample : WG2081757-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 19 10:54:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

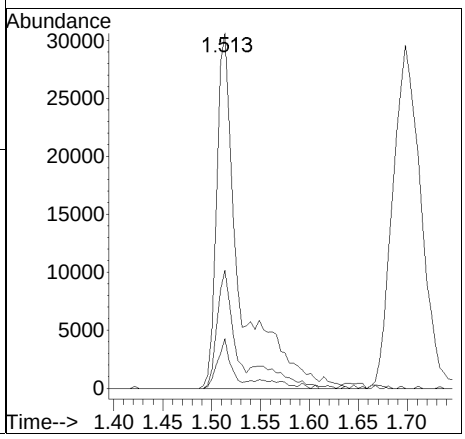


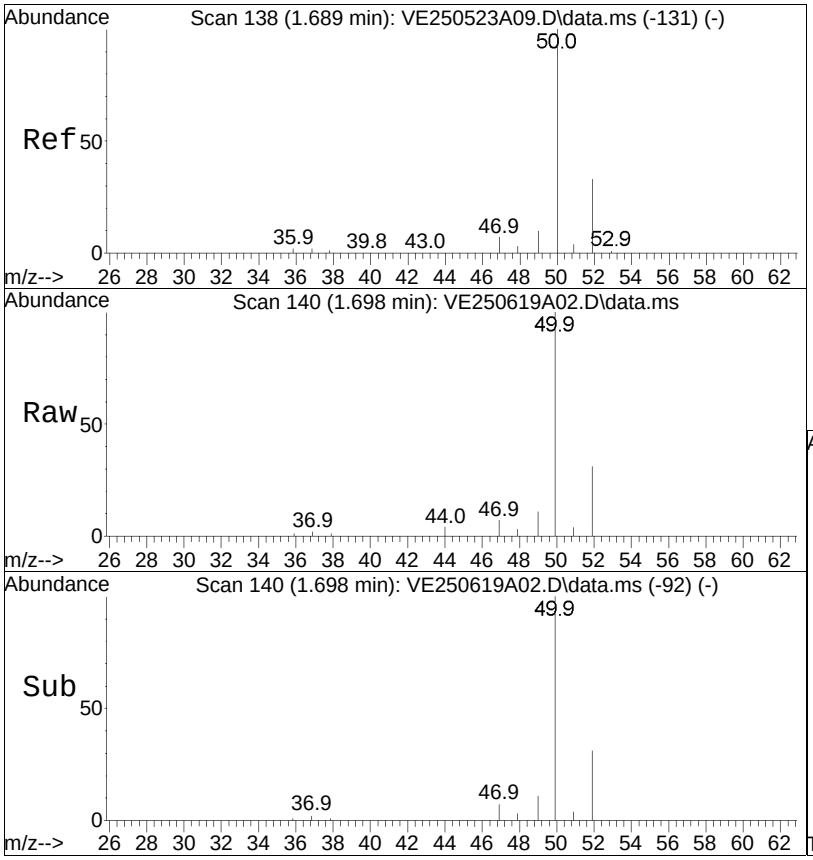


#2
Dichlorodifluoromethane
Concen: 5.93 ug/L
RT: 1.513 min Scan# 98
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 85 Resp: 51709

Ion	Ratio	Lower	Upper
85	100		
87	31.9	21.2	44.0
50	11.7	8.5	17.7

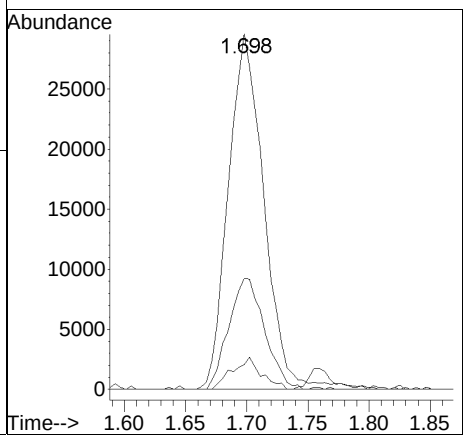


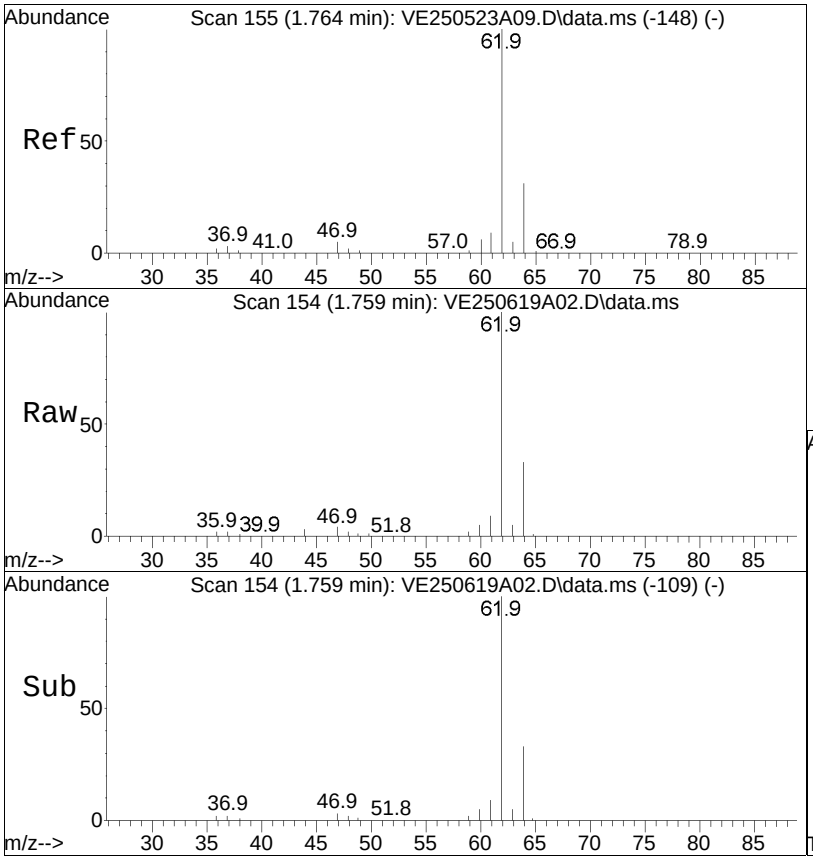


#3
Chloromethane
Concen: 6.51 ug/L
RT: 1.698 min Scan# 140
Delta R.T. 0.009 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 50 Resp: 60082

Ion	Ratio	Lower	Upper
50	100		
52	31.4	12.2	52.2
47	7.4	0.0	27.4

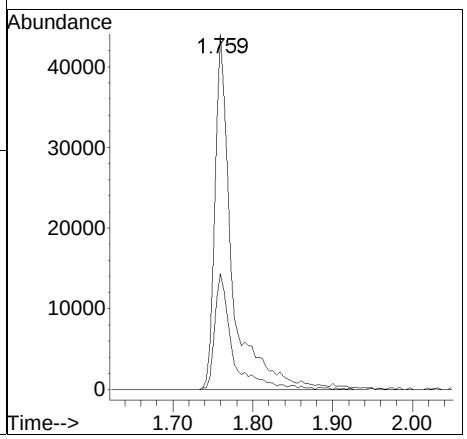


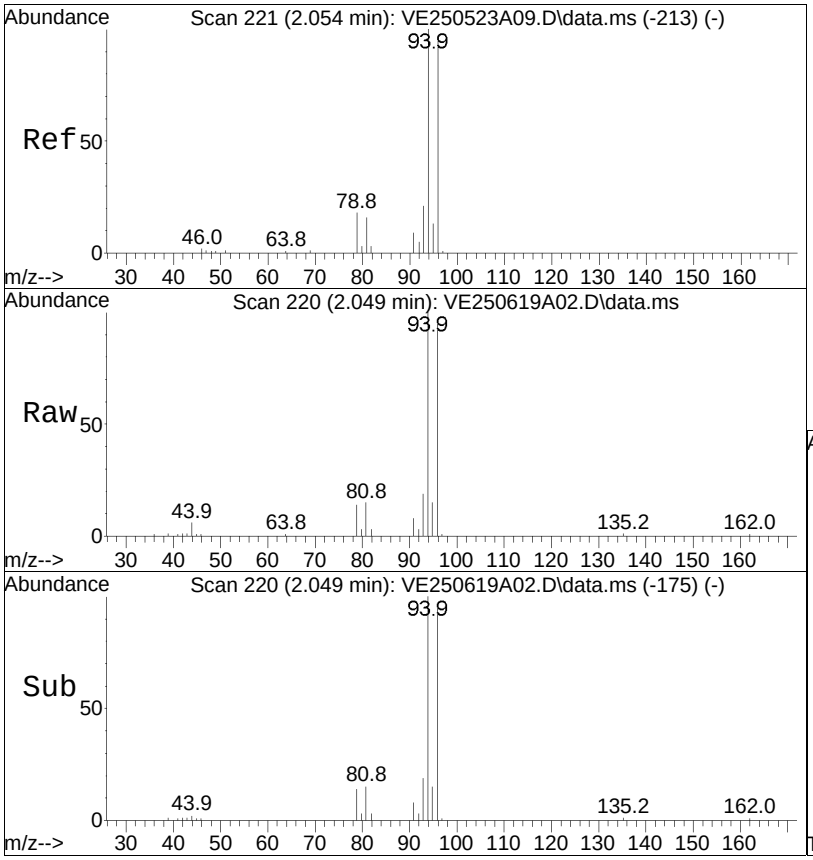


#4
Vinyl chloride
Concen: 8.43 ug/L
RT: 1.759 min Scan# 154
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 62 Resp: 67024

Ion	Ratio	Lower	Upper
62	100		
64	32.9	12.2	52.2

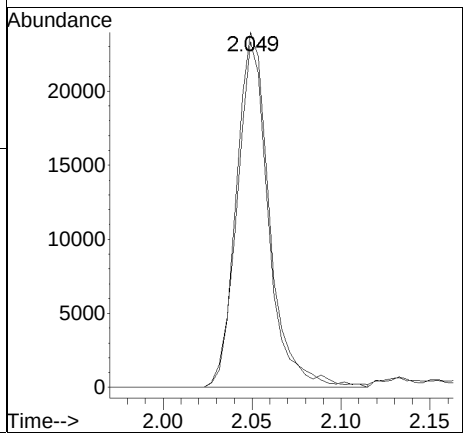


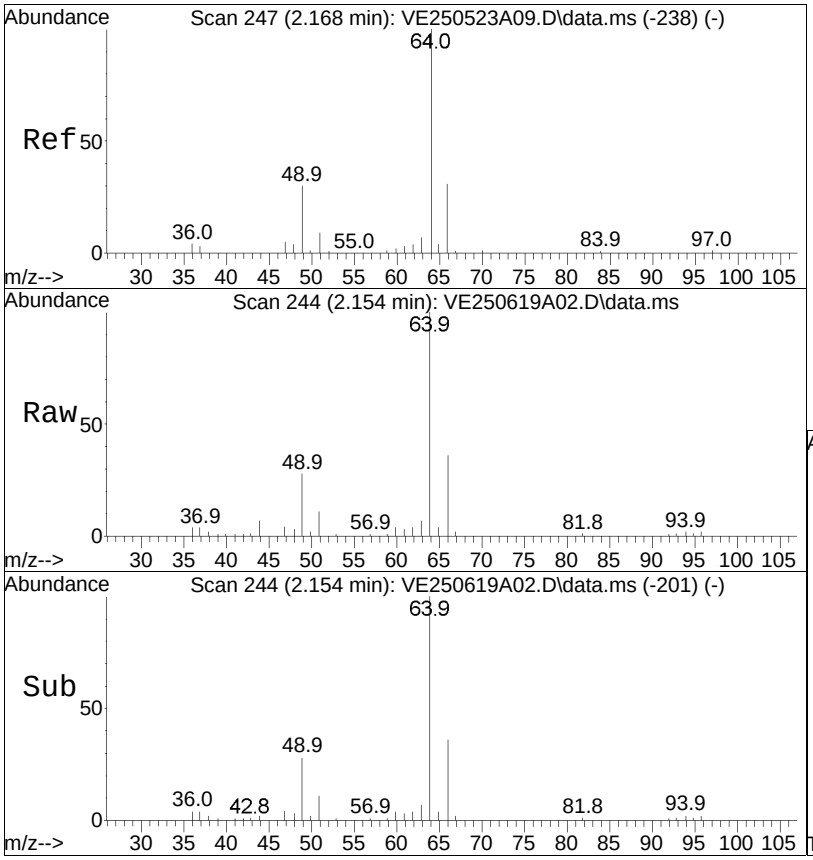


#5
Bromomethane
Concen: 7.03 ug/L
RT: 2.049 min Scan# 220
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 94 Resp: 31080

Ion	Ratio	Lower	Upper
94	100		
96	92.7	72.7	112.7

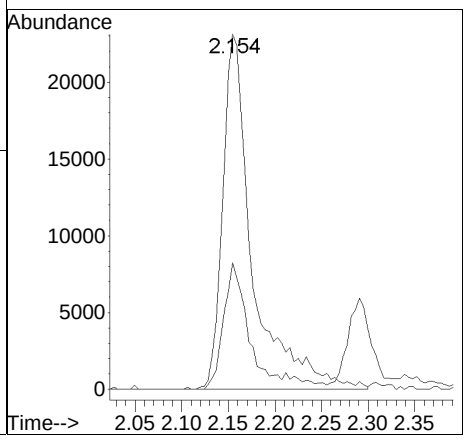


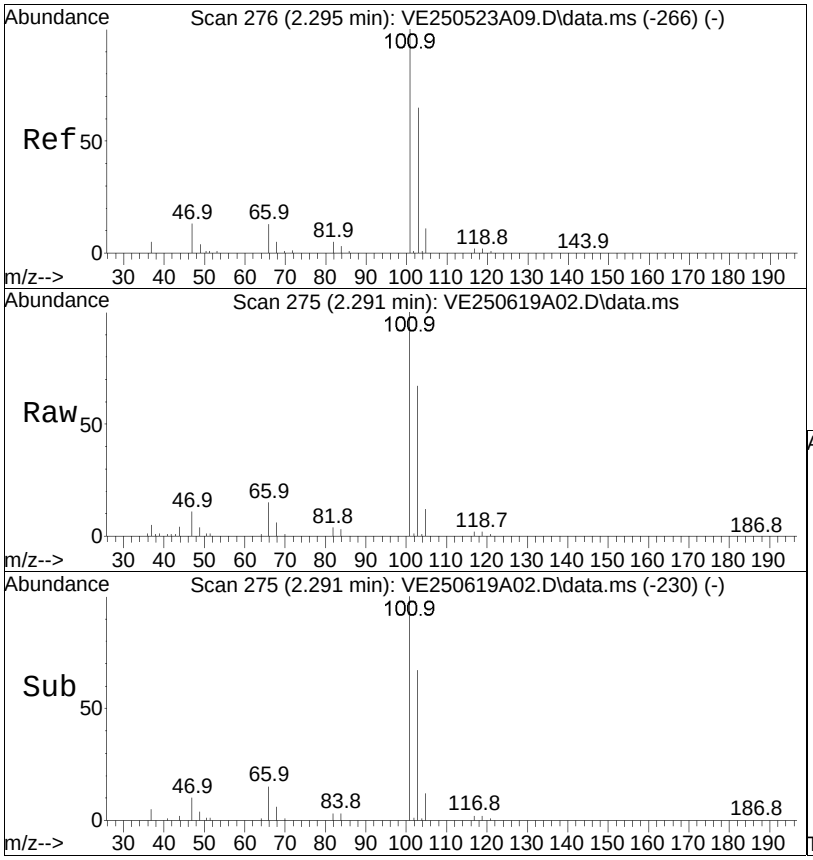


#6
Chloroethane
Concen: 10.00 ug/L
RT: 2.154 min Scan# 244
Delta R.T. -0.013 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 64 Resp: 51585

Ion	Ratio	Lower	Upper
64	100		
66	32.6	13.1	53.1

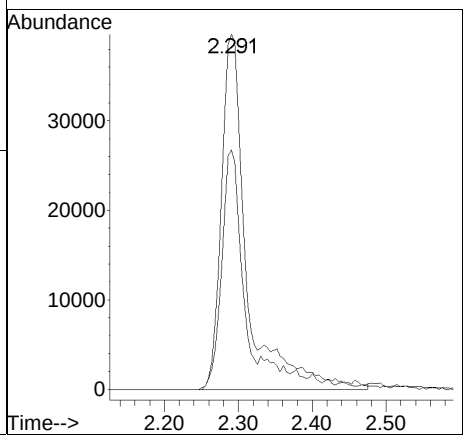


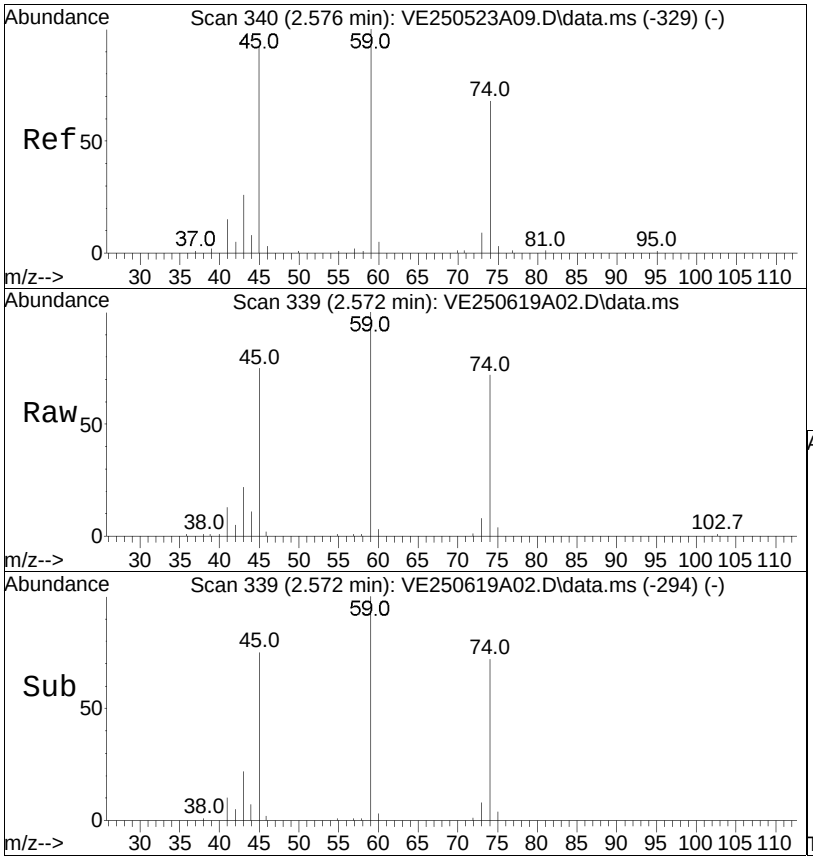


#7
Trichlorofluoromethane
Concen: 9.31 ug/L
RT: 2.291 min Scan# 275
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:101 Resp: 96332

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.0	78.0

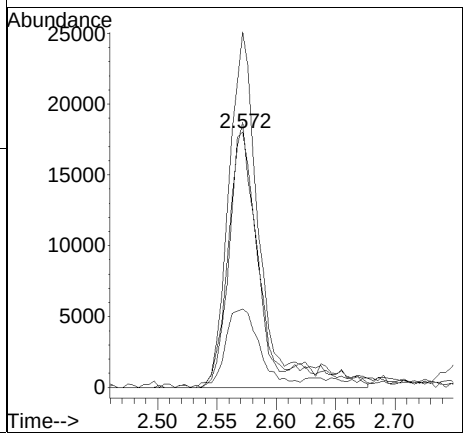


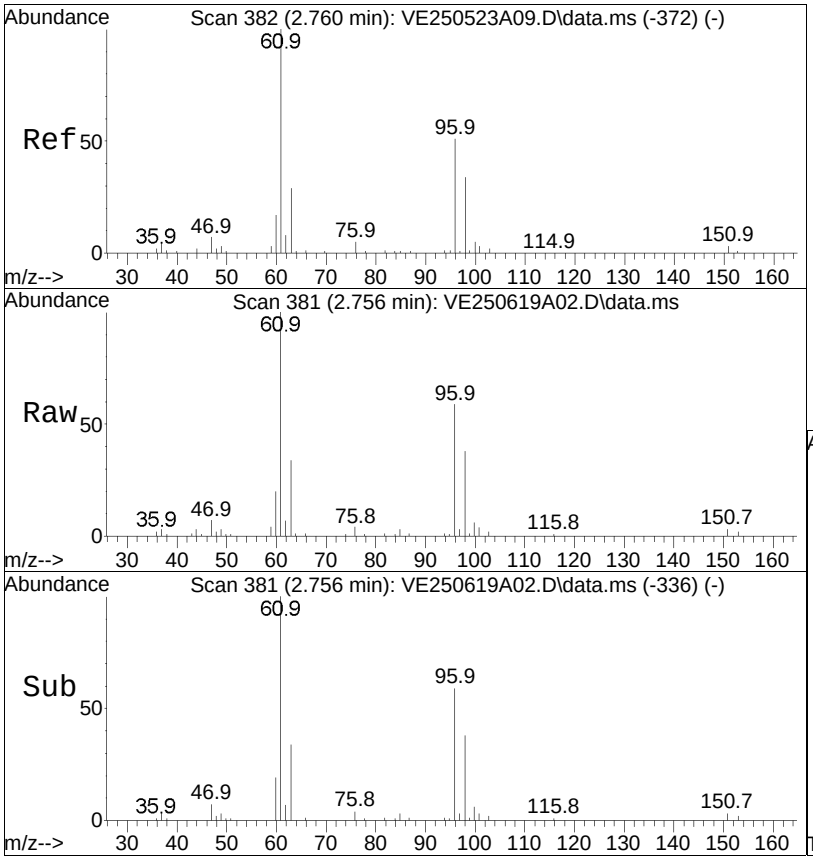


#8
Ethyl ether
Concen: 10.20 ug/L
RT: 2.572 min Scan# 339
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 74 Resp: 33215

Ion	Ratio	Lower	Upper
74	100		
59	144.2	105.2	218.4
45	112.4	84.1	174.7
43	44.3	32.2	67.0

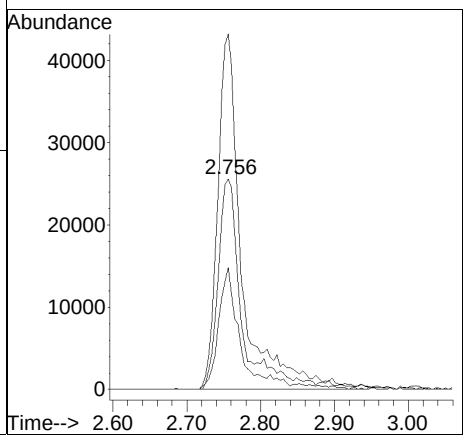


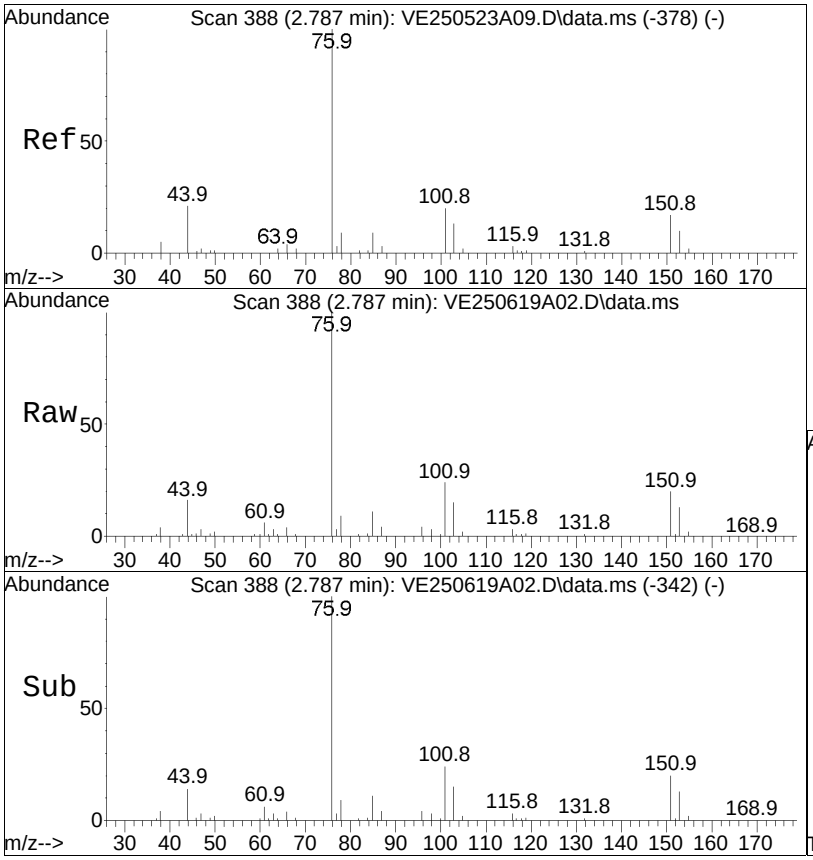


#10
1,1-Dichloroethene
Concen: 9.76 ug/L
RT: 2.756 min Scan# 381
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 96 Resp: 59634

Ion	Ratio	Lower	Upper
96	100		
61	167.0	158.3	237.5
63	53.2	50.2	75.2

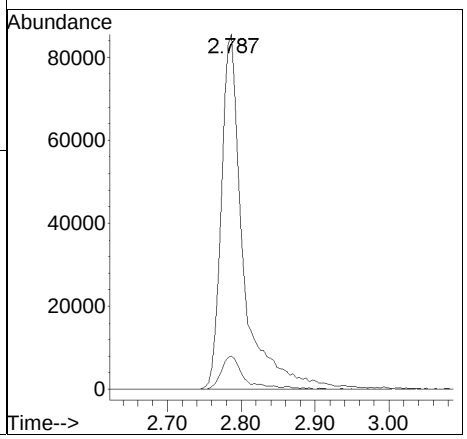


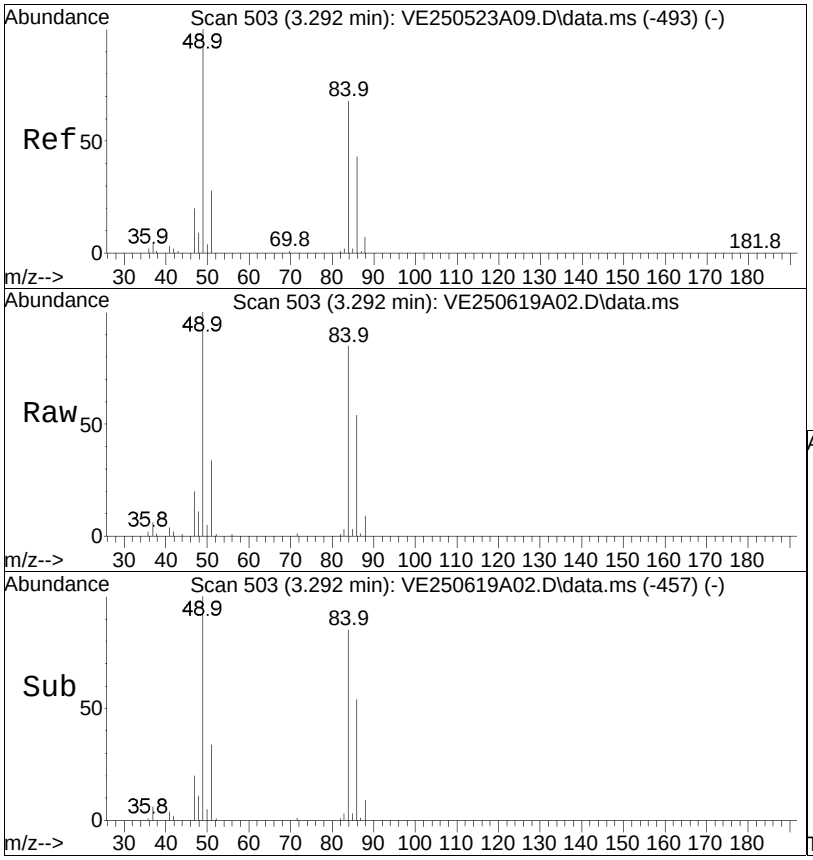


#11
Carbon disulfide
Concen: 9.27 ug/L
RT: 2.787 min Scan# 388
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 76 Resp: 178679

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	13.8

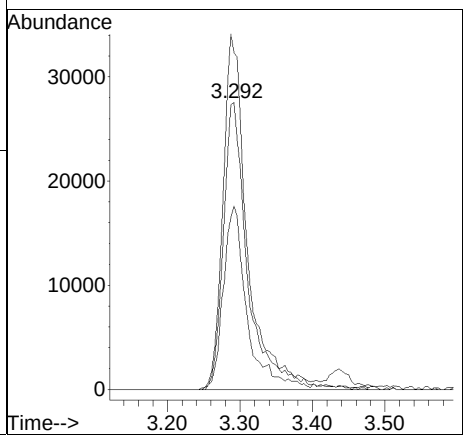


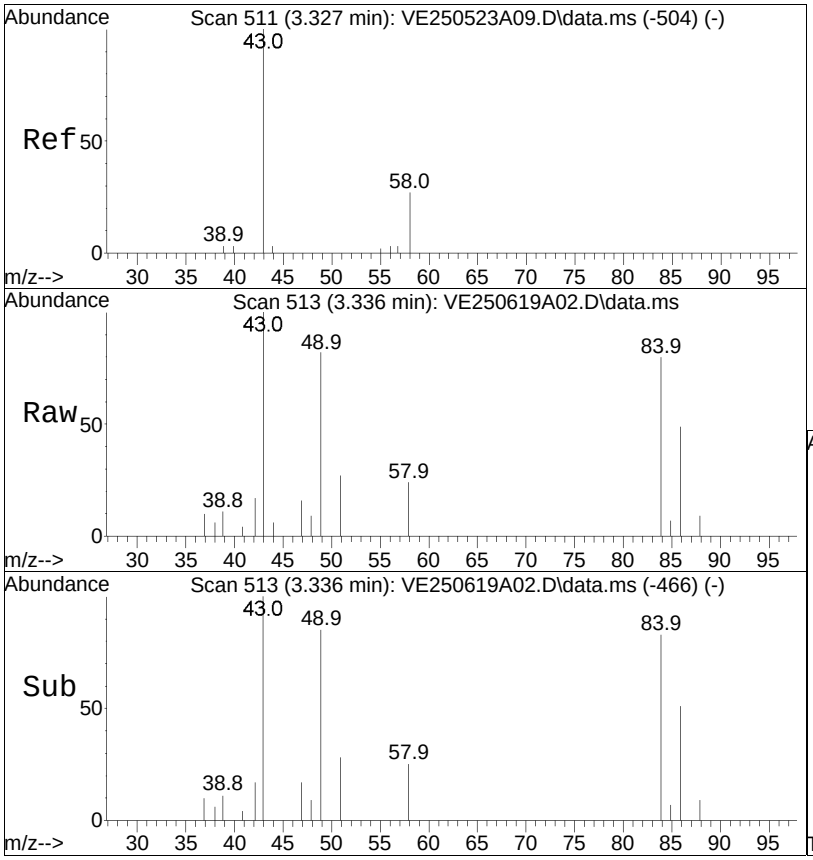


#15
Methylene chloride
Concen: 9.76 ug/L
RT: 3.292 min Scan# 503
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 84 Resp: 65379

Ion	Ratio	Lower	Upper
84	100		
86	62.8	40.6	84.4
49	128.8	100.0	207.6

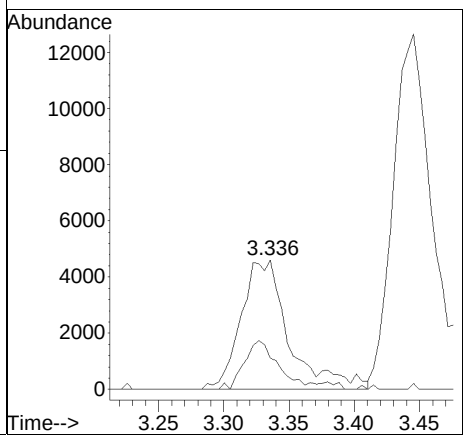


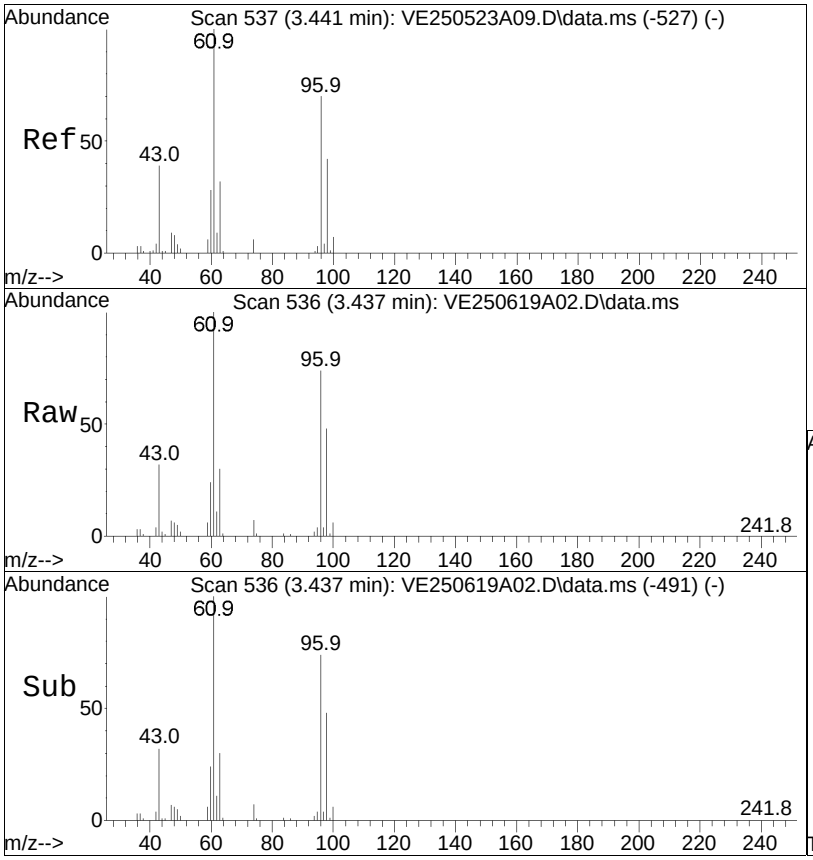


#17
Acetone
Concen: 7.89 ug/L
RT: 3.336 min Scan# 513
Delta R.T. 0.009 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 43 Resp: 11805

Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.4	33.6

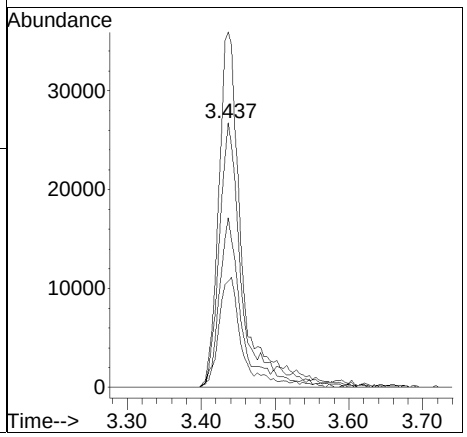


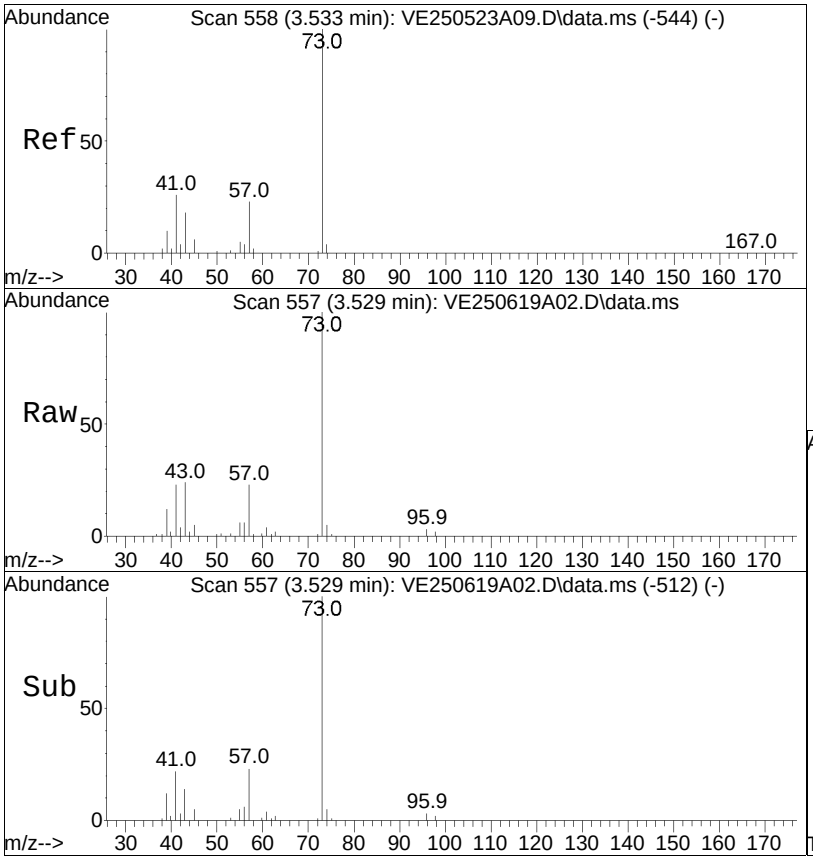


#18
trans-1,2-Dichloroethene
Concen: 9.52 ug/L
RT: 3.437 min Scan# 536
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 96 Resp: 59389

Ion	Ratio	Lower	Upper
96	100		
61	135.4	99.5	206.6
98	63.6	40.5	84.1
63	42.1	32.0	66.4

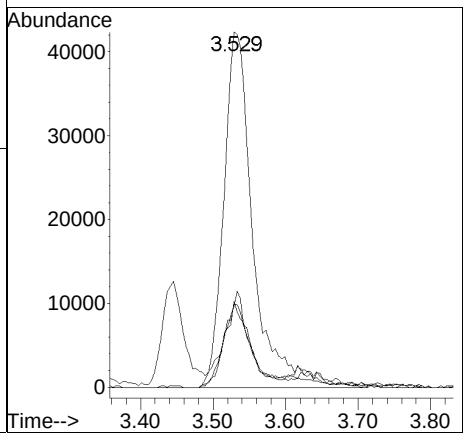


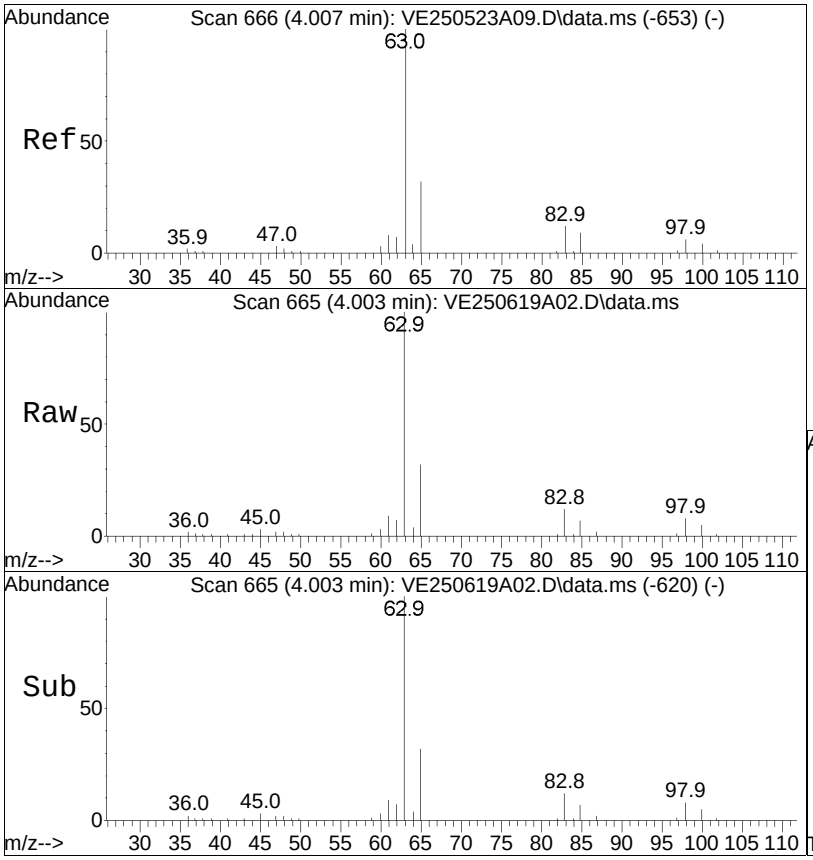


#21
Methyl tert-butyl ether
Concen: 8.46 ug/L
RT: 3.529 min Scan# 557
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 73 Resp: 120567

Ion	Ratio	Lower	Upper
73	100		
57	24.6	17.6	36.5
43	0.0	0.0	0.0
41	28.8	22.8	47.4

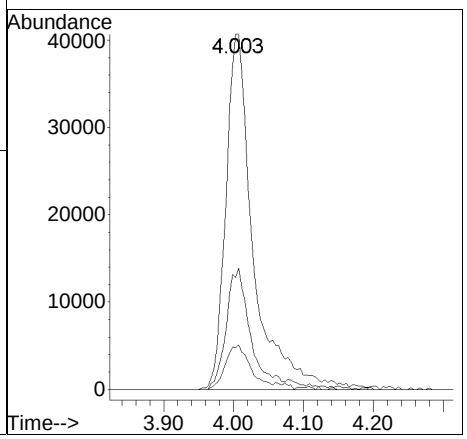


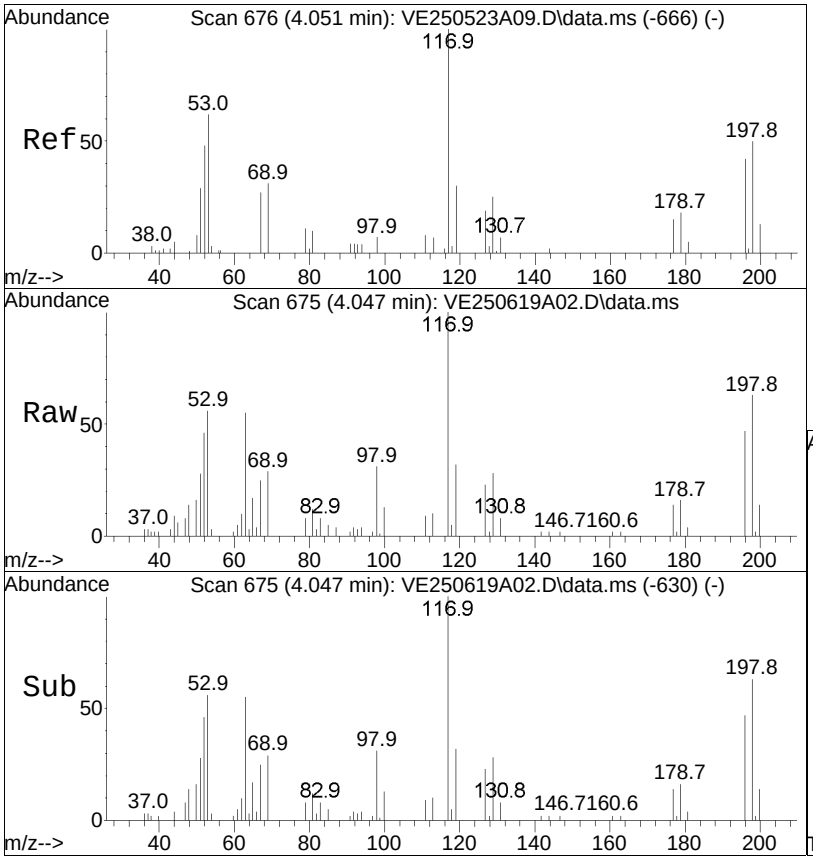


#25
1,1-Dichloroethane
Concen: 9.09 ug/L
RT: 4.003 min Scan# 665
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 63 Resp: 111939

Ion	Ratio	Lower	Upper
63	100		
65	32.2	10.0	50.0
83	12.2	0.0	32.2

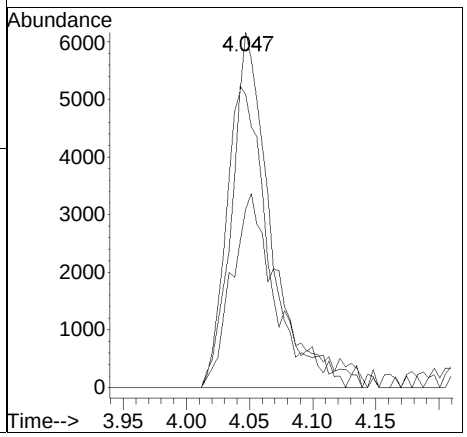


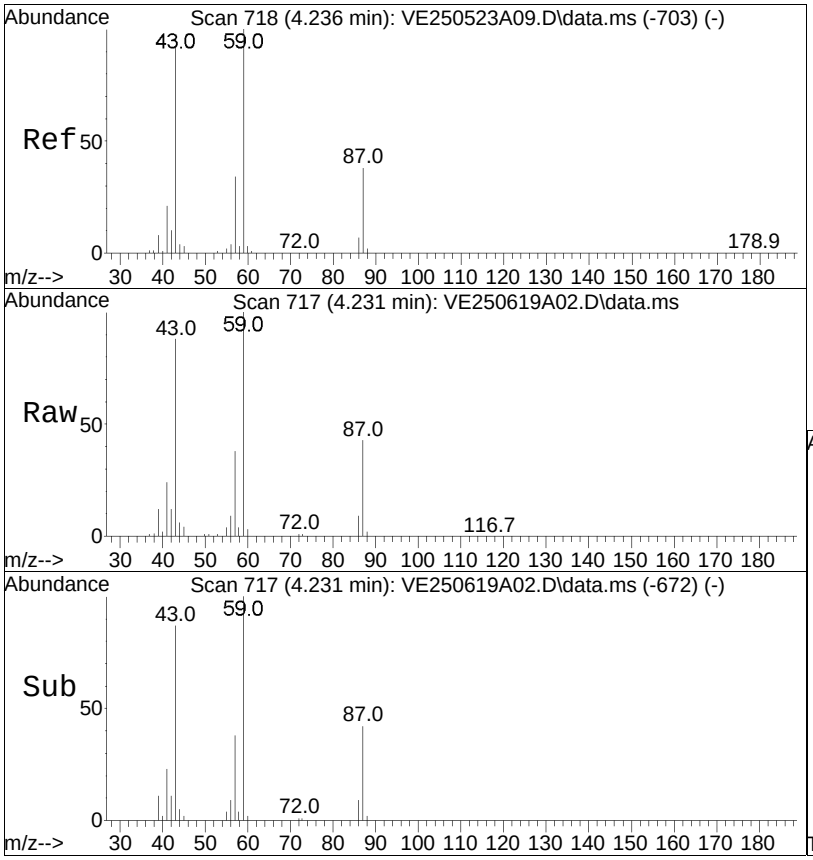


#27
Acrylonitrile
Concen: 8.02 ug/L
RT: 4.047 min Scan# 675
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 53 Resp: 14580

Ion	Ratio	Lower	Upper
53	100		
52	79.2	65.8	98.8
51	59.9	47.6	71.4

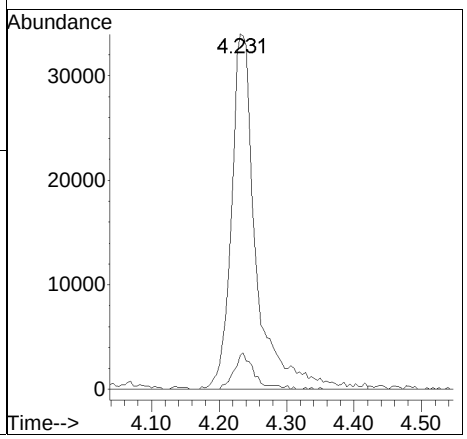


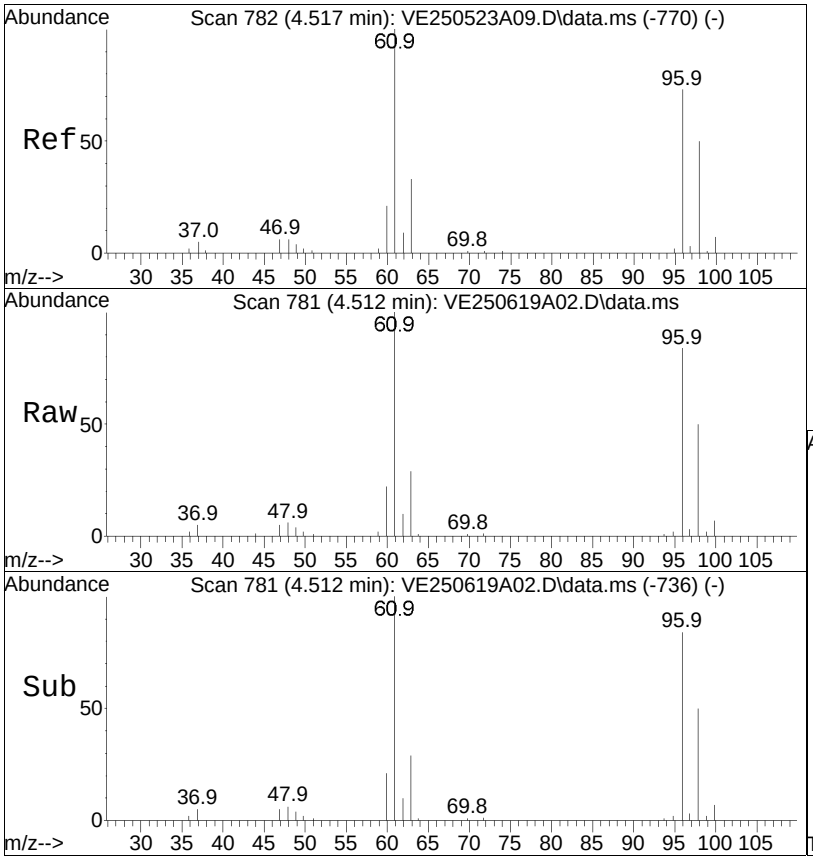


#29
Vinyl acetate
Concen: 7.40 ug/L
RT: 4.231 min Scan# 717
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 43 Resp: 86899

Ion	Ratio	Lower	Upper
43	100		
86	8.5	5.8	8.8

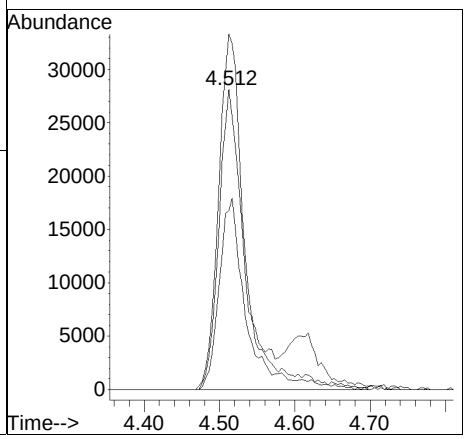


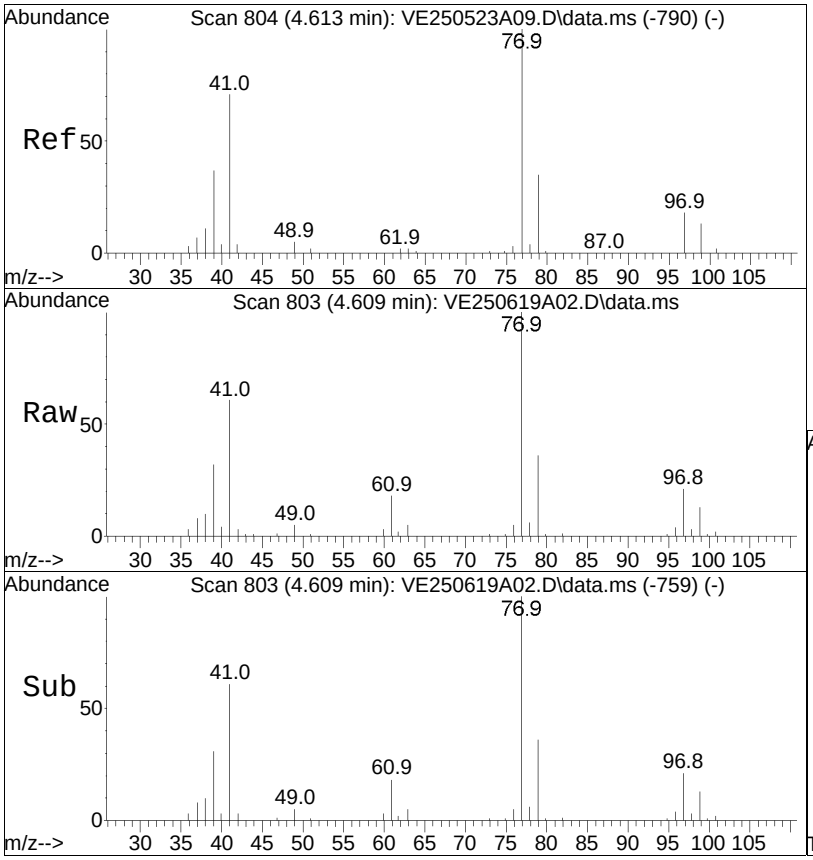


#30
cis-1,2-Dichloroethene
Concen: 9.60 ug/L
RT: 4.512 min Scan# 781
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 96 Resp: 69377

Ion	Ratio	Lower	Upper
96	100		
61	136.7	131.5	197.3
98	64.9	51.8	77.8

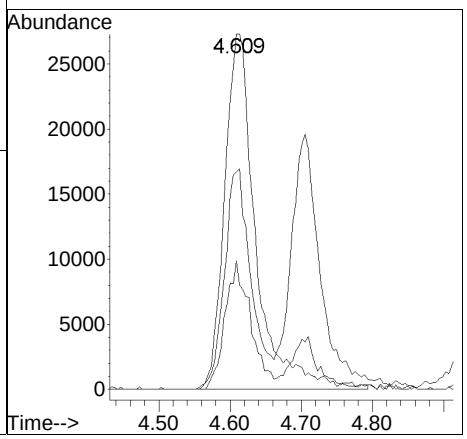


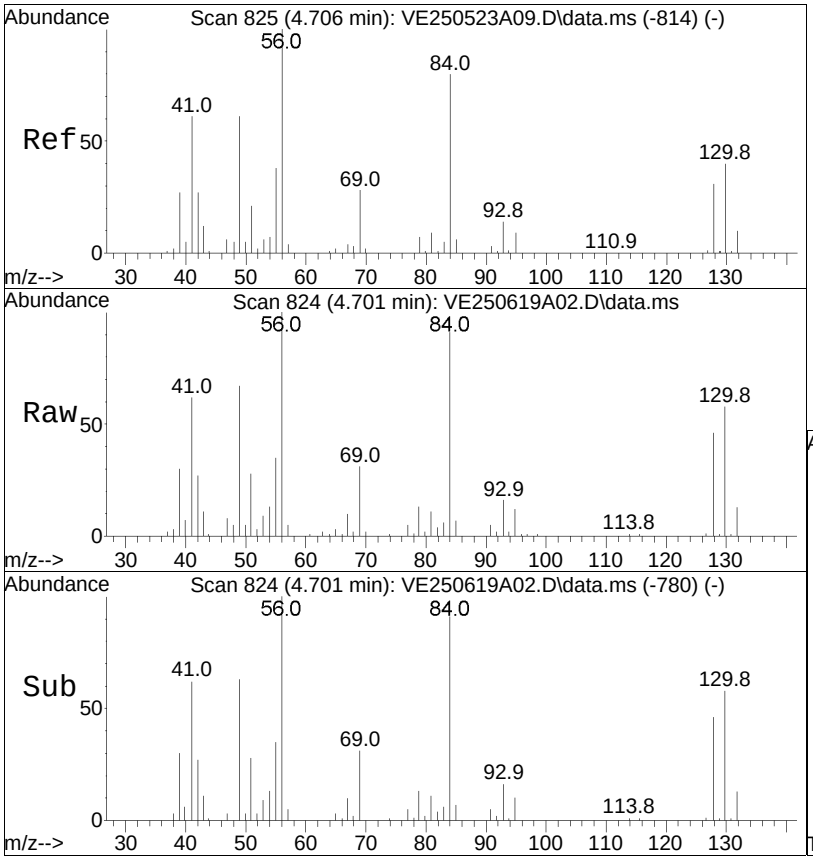


#31
2,2-Dichloropropane
Concen: 8.69 ug/L
RT: 4.609 min Scan# 803
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 77 Resp: 83077

Ion	Ratio	Lower	Upper
77	100		
41	56.9	47.5	98.7
79	43.6	20.7	43.1#

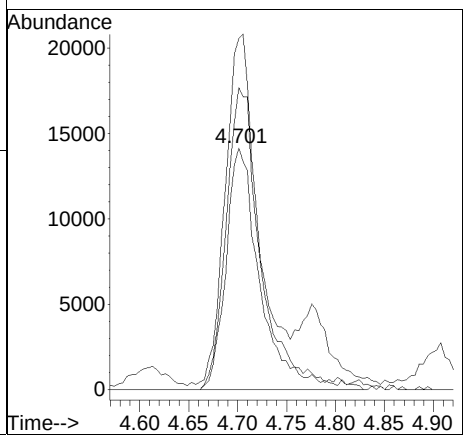


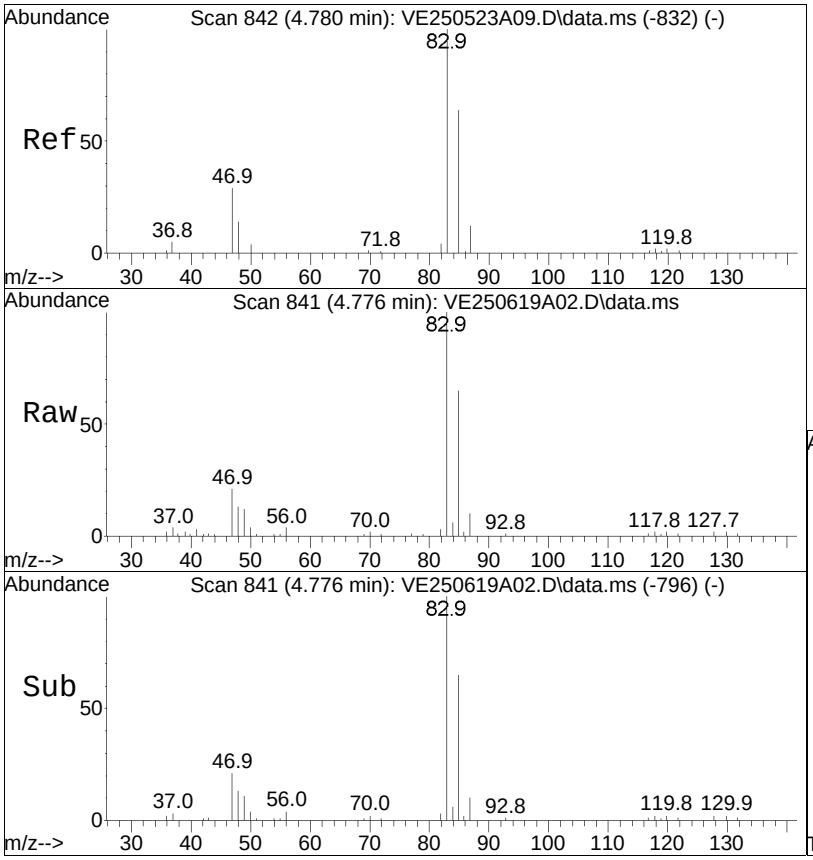


#33
Bromochloromethane
Concen: 9.99 ug/L
RT: 4.701 min Scan# 824
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:128 Resp: 34413

Ion	Ratio	Lower	Upper
128	100		
49	170.9	194.2	291.2#
130	128.6	99.7	149.5

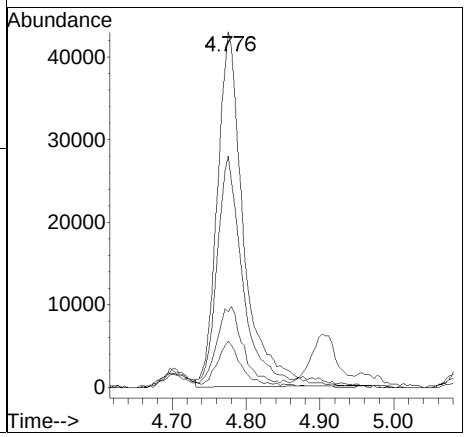


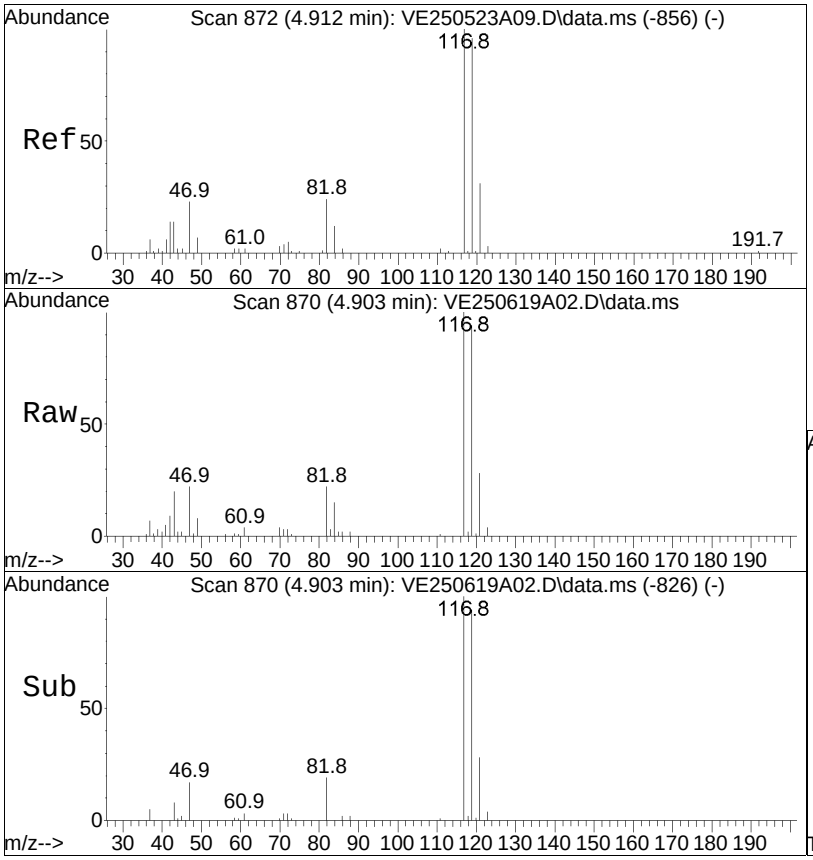


#35
Chloroform
Concen: 9.39 ug/L
RT: 4.776 min Scan# 841
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 83 Resp: 107928

Ion	Ratio	Lower	Upper
83	100		
85	64.5	41.7	86.5
47	21.2	17.4	36.2
48	13.1	9.2	19.0

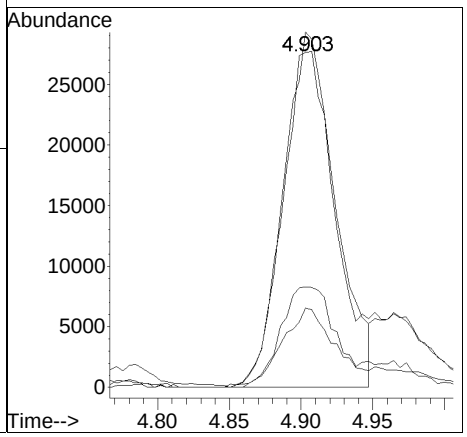


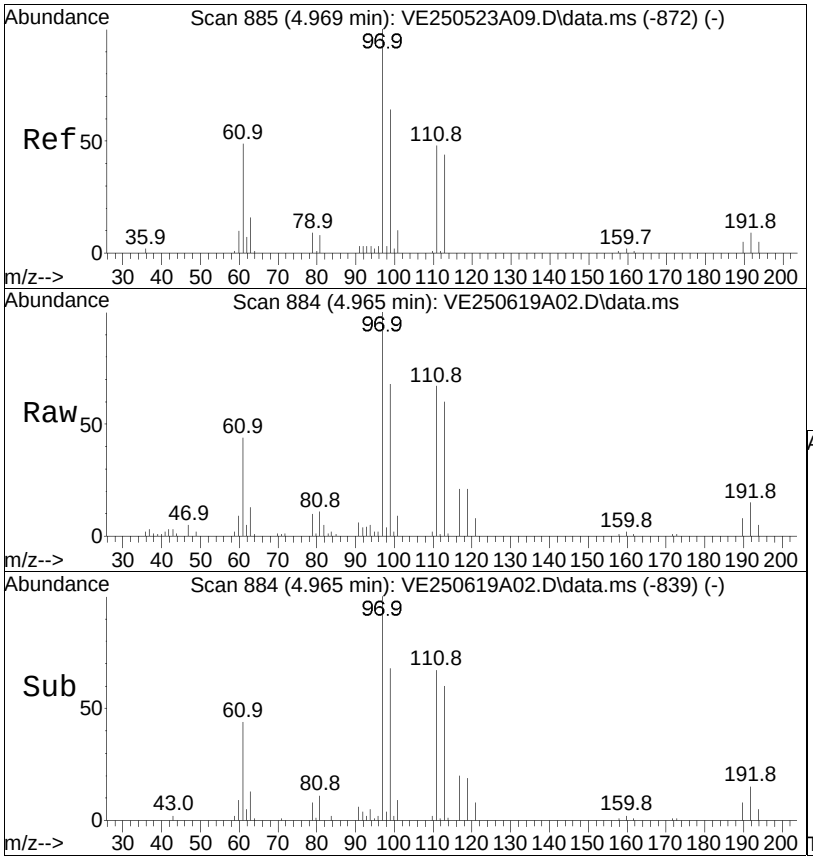


#37
Carbon tetrachloride
Concen: 9.15 ug/L M6
RT: 4.903 min Scan# 870
Delta R.T. -0.009 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:117 Resp: 74090

Ion	Ratio	Lower	Upper
117	100		
119	119.6	70.5	146.5
121	37.8	23.0	47.8
82	28.4	19.2	39.8

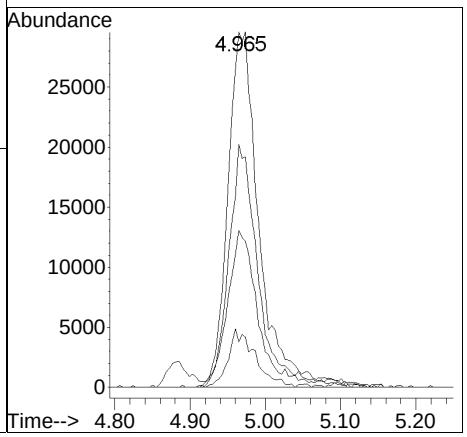


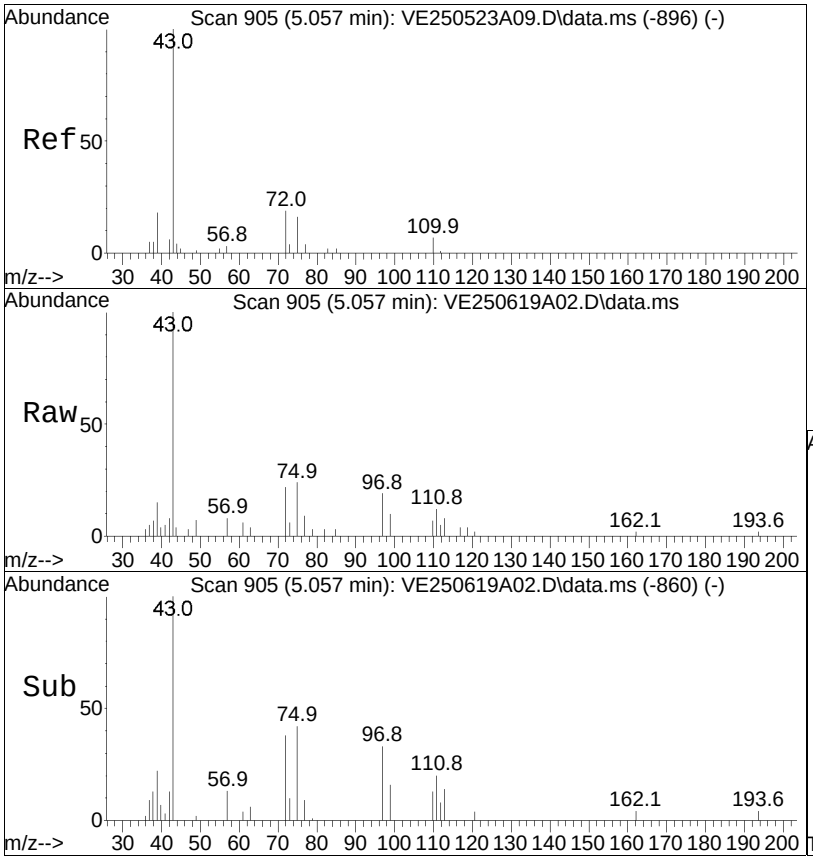


#40
1,1,1-Trichloroethane
Concen: 9.22 ug/L
RT: 4.965 min Scan# 884
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 97 Resp: 86263

Ion	Ratio	Lower	Upper
97	100		
99	64.1	41.2	85.6
61	44.8	32.8	68.2
63	14.1	10.1	20.9

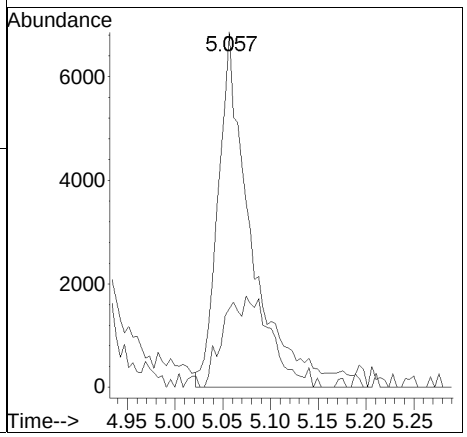


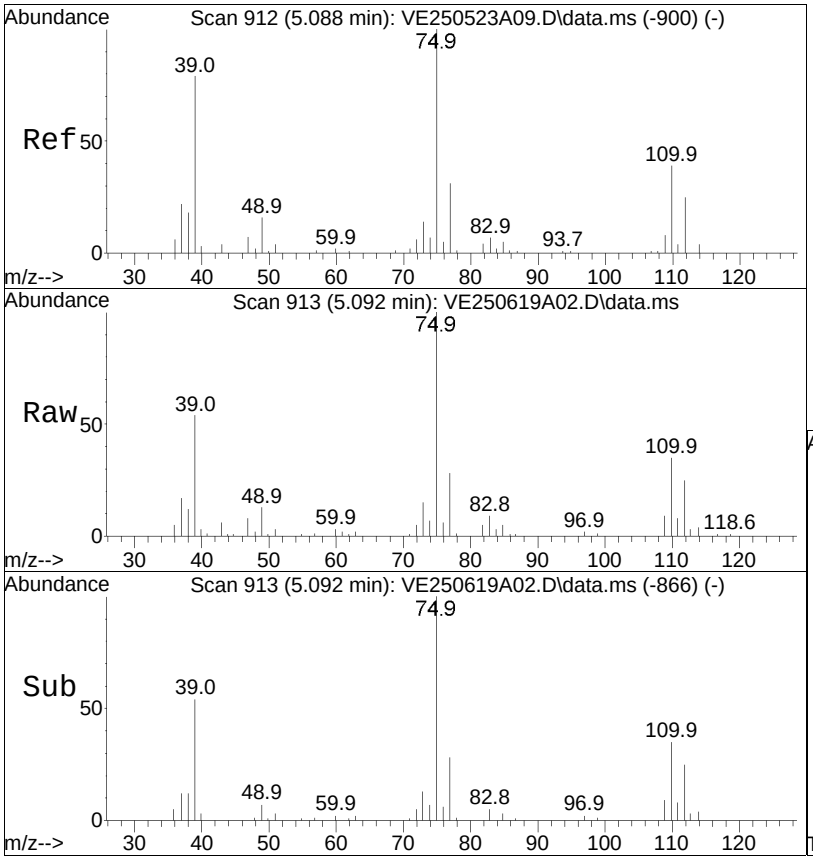


#42
2-Butanone
Concen: 7.86 ug/L
RT: 5.057 min Scan# 905
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 43 Resp: 16965

Ion	Ratio	Lower	Upper
43	100		
72	36.9	30.2	45.4

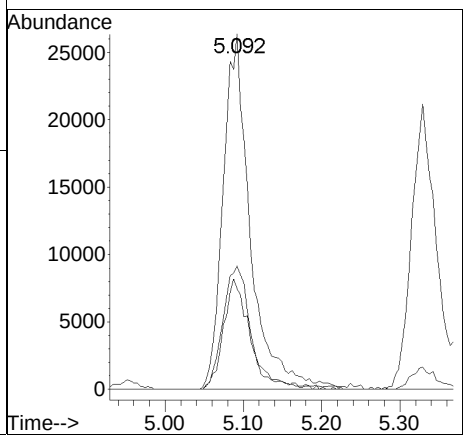


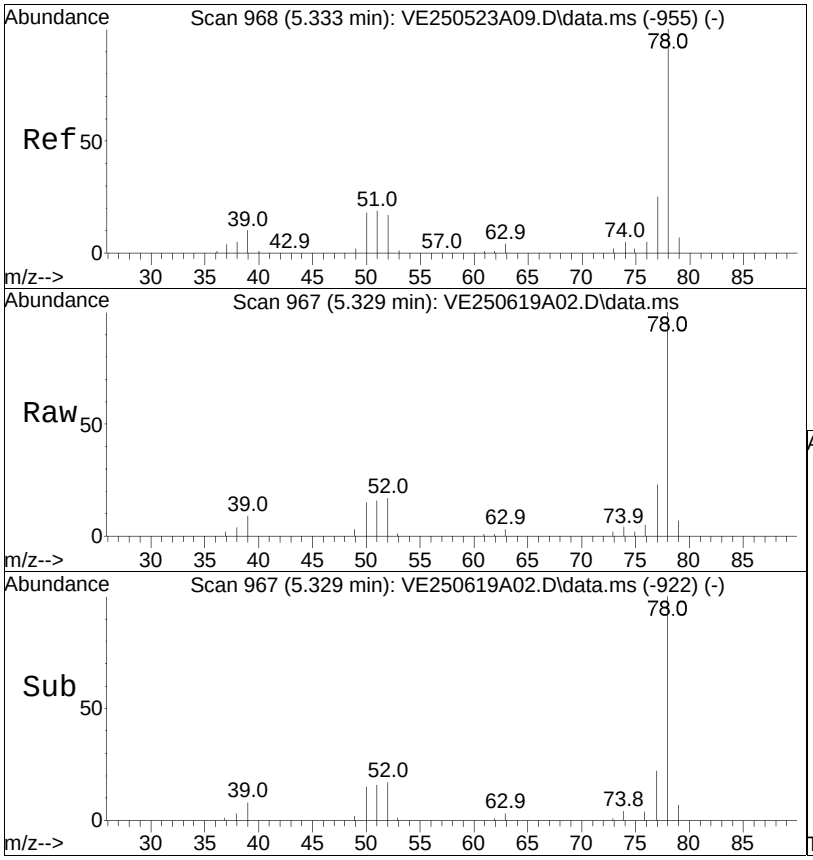


#43
1,1-Dichloropropene
Concen: 9.02 ug/L
RT: 5.092 min Scan# 913
Delta R.T. 0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 75 Resp: 64524

Ion	Ratio	Lower	Upper
75	100		
110	36.0	22.7	47.3
77	30.1	20.1	41.7

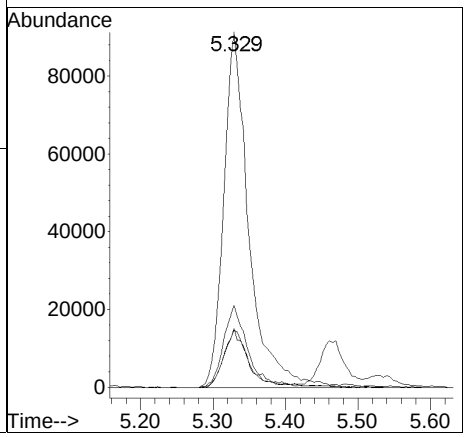


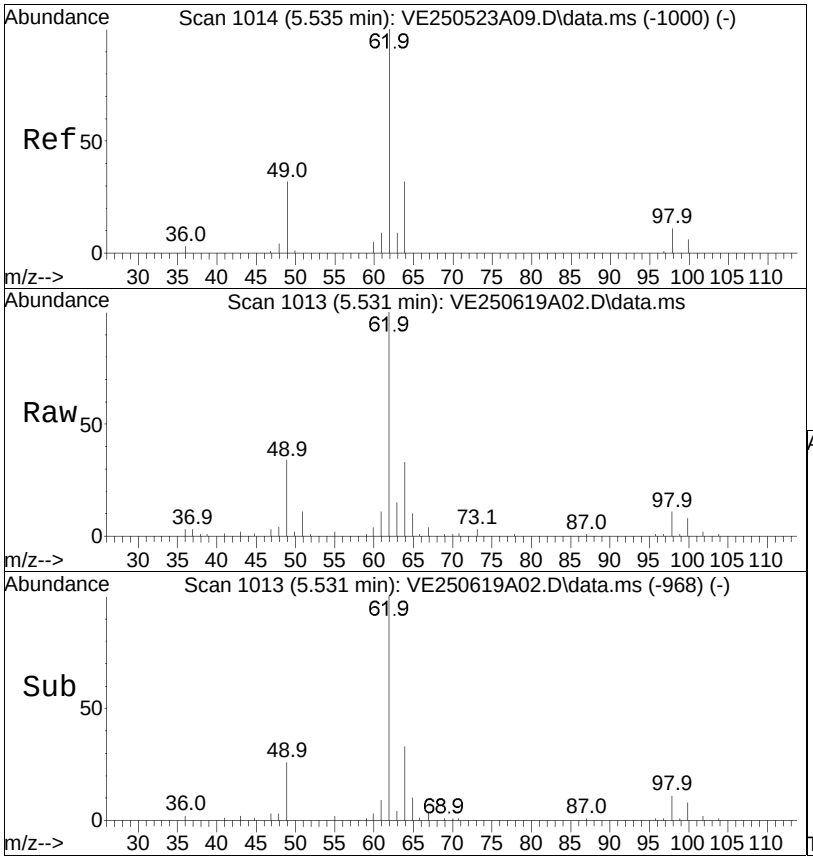


#45
Benzene
Concen: 9.02 ug/L
RT: 5.329 min Scan# 967
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 78 Resp: 221556

Ion	Ratio	Lower	Upper
78	100		
77	22.8	15.1	31.3
51	16.2	12.7	26.5
52	16.3	12.2	25.4

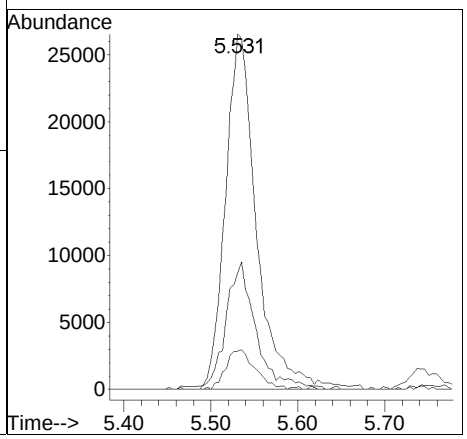


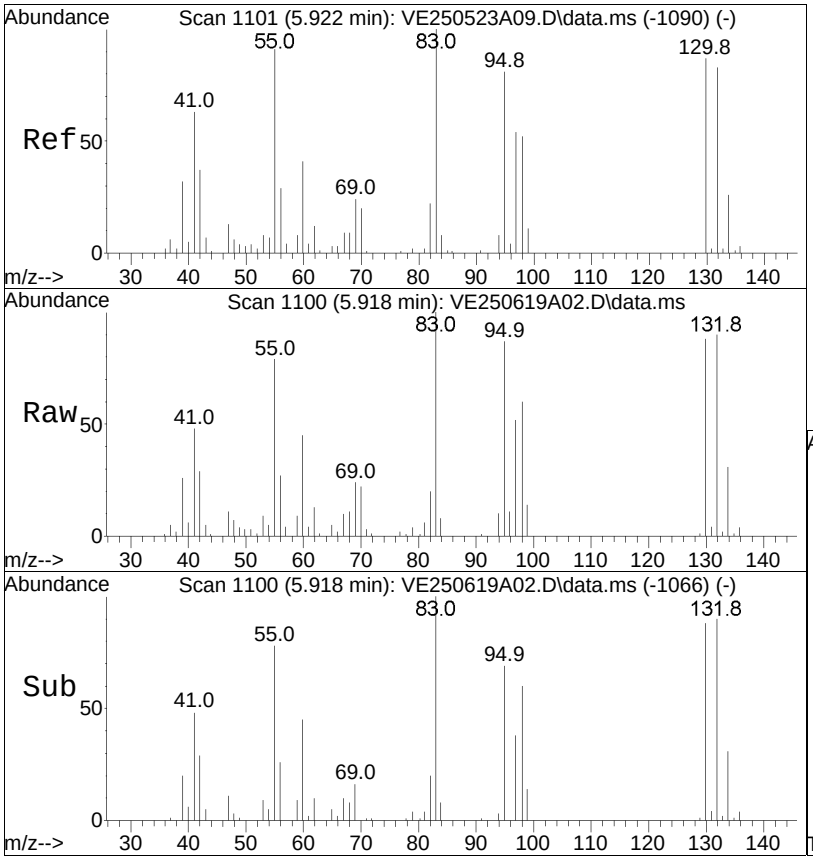


#48
1,2-Dichloroethane
Concen: 9.04 ug/L
RT: 5.531 min Scan# 1013
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 62 Resp: 66350

Ion	Ratio	Lower	Upper
62	100		
64	34.3	12.6	52.6
98	10.6	0.0	28.3

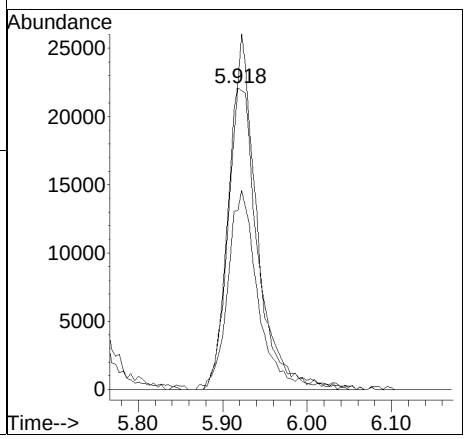


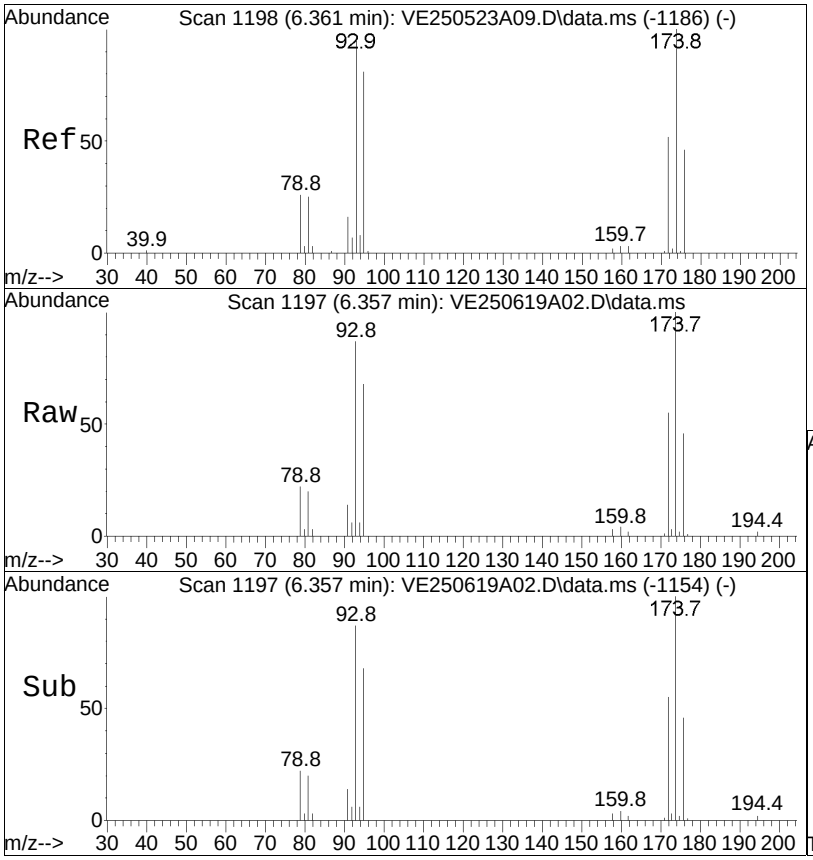


#52
Trichloroethene
Concen: 9.16 ug/L
RT: 5.918 min Scan# 1100
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 95 Resp: 55063

Ion	Ratio	Lower	Upper
95	100		
97	66.1	54.6	81.8
130	110.0	79.5	119.3

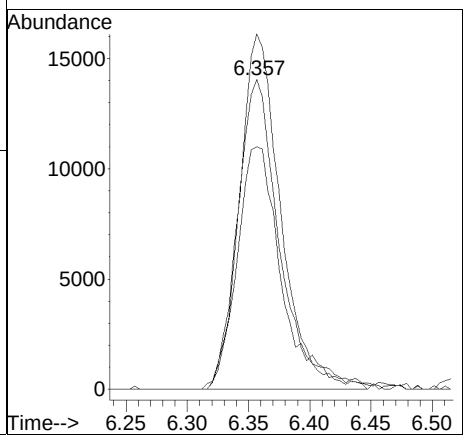


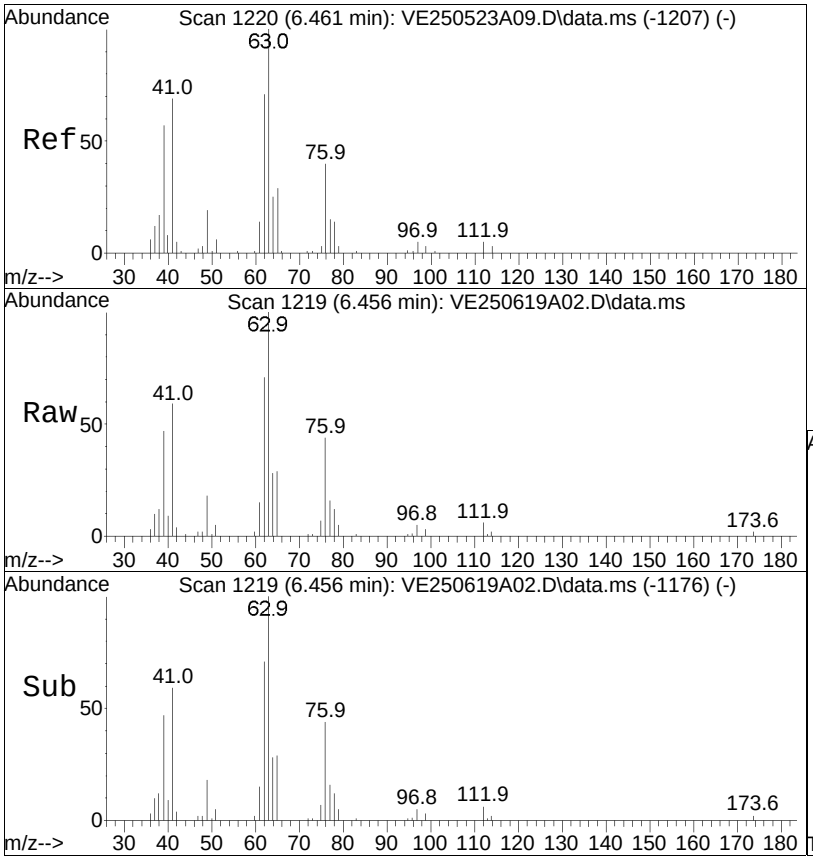


#54
Dibromomethane
Concen: 9.52 ug/L
RT: 6.357 min Scan# 1197
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 93 Resp: 33319

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.3	97.9
174	116.7	82.6	123.8

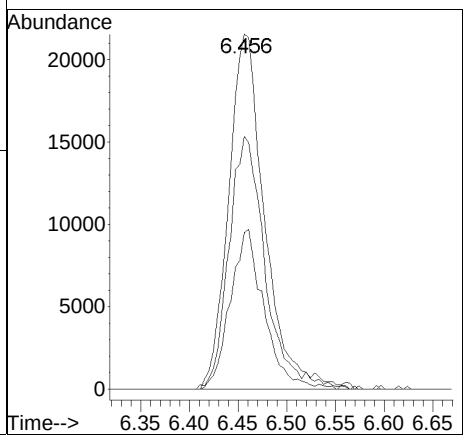


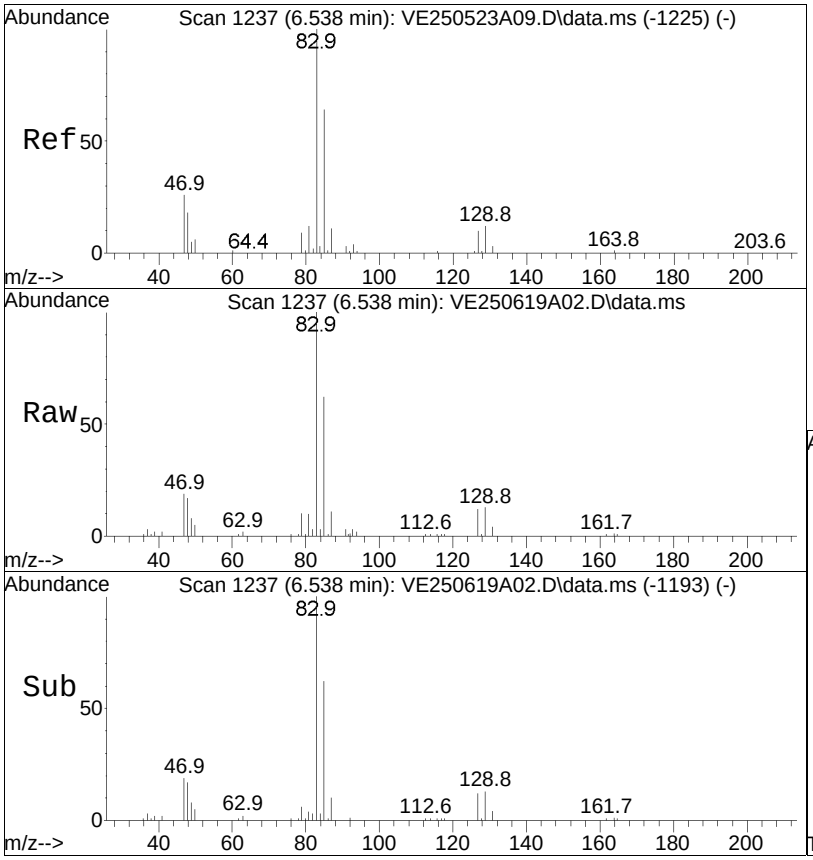


#55
1,2-Dichloropropane
Concen: 8.72 ug/L
RT: 6.456 min Scan# 1219
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 63 Resp: 55838

Ion	Ratio	Lower	Upper
63	100		
62	71.5	57.3	85.9
76	42.3	33.4	50.2

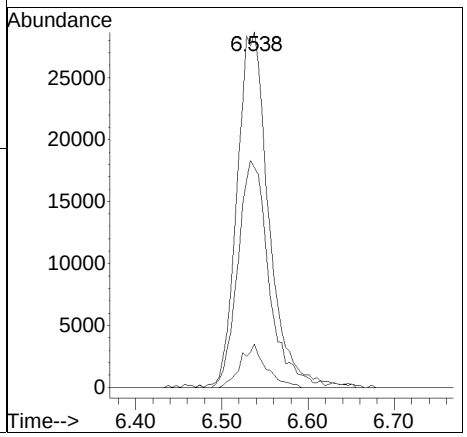


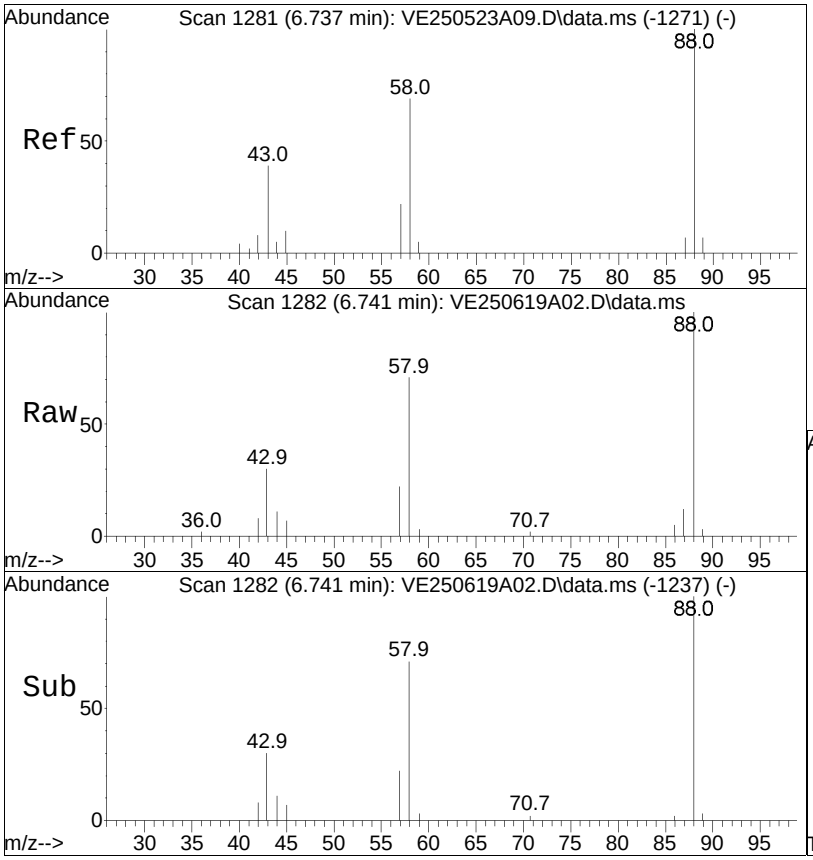


#58
Bromodichloromethane
Concen: 8.87 ug/L
RT: 6.538 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 83 Resp: 73525

Ion	Ratio	Lower	Upper
83	100		
85	63.4	51.9	77.9
127	9.7	7.3	10.9

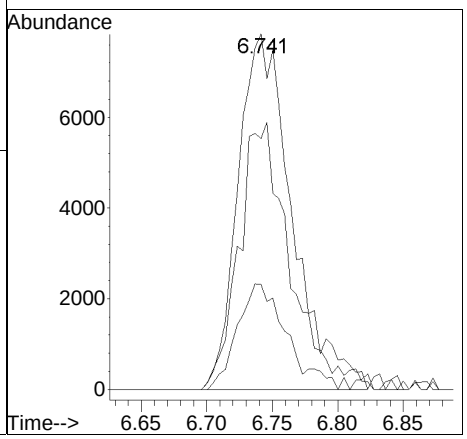


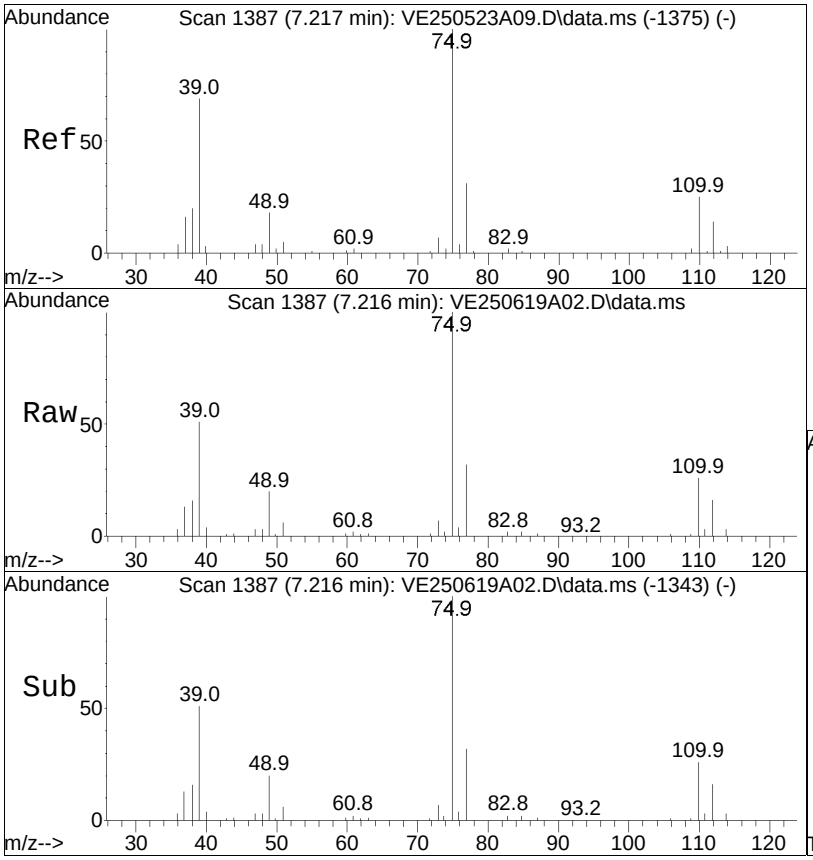


#61
1,4-Dioxane
Concen: 736.62 ug/L
RT: 6.741 min Scan# 1282
Delta R.T. 0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 88 Resp: 22481

Ion	Ratio	Lower	Upper
88	100		
58	70.7	63.4	95.0
43	27.1	29.4	44.2#

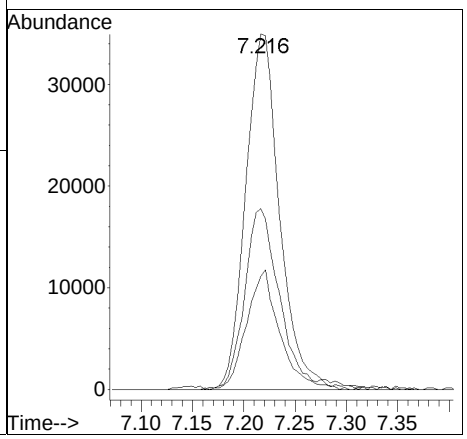


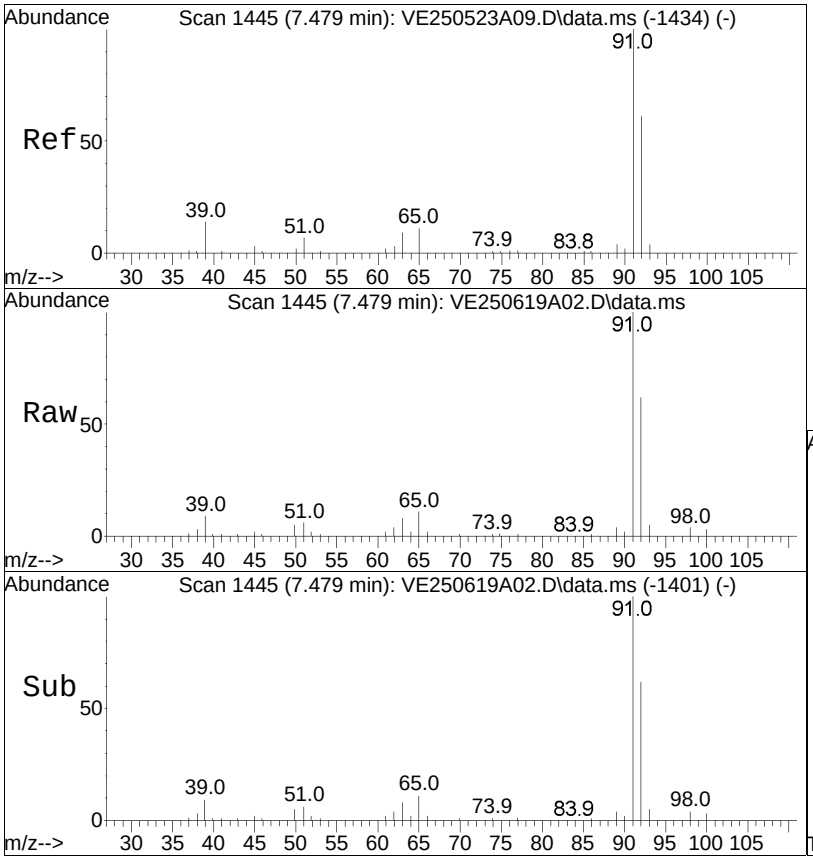


#62
cis-1,3-Dichloropropene
Concen: 8.81 ug/L
RT: 7.216 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 75 Resp: 81359

Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.1	37.7
39	52.3	47.5	71.3

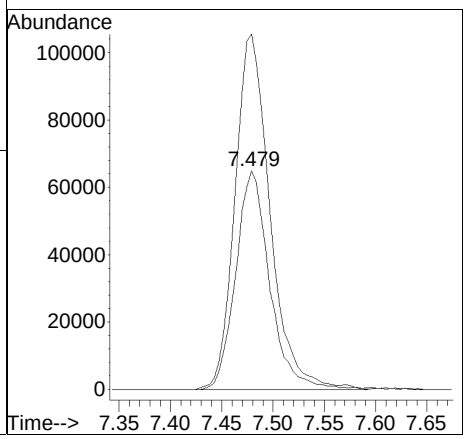


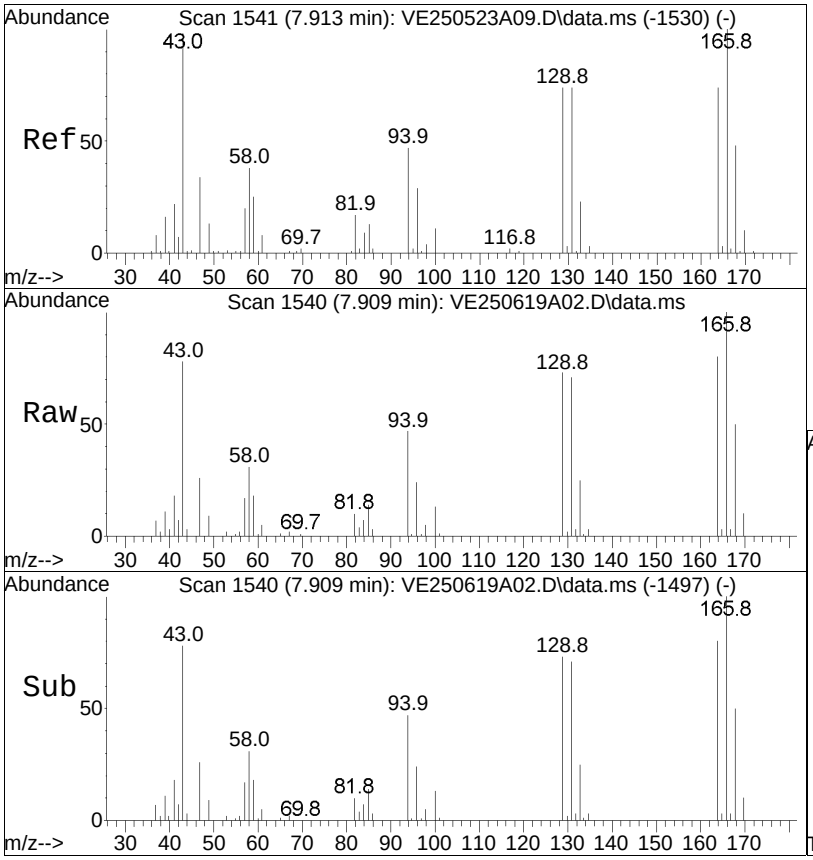


#65
Toluene
Concen: 9.31 ug/L
RT: 7.479 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 92 Resp: 149312

Ion	Ratio	Lower	Upper
92	100		
91	168.1	134.2	201.2

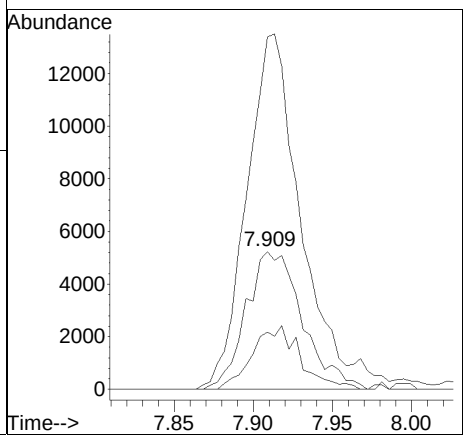


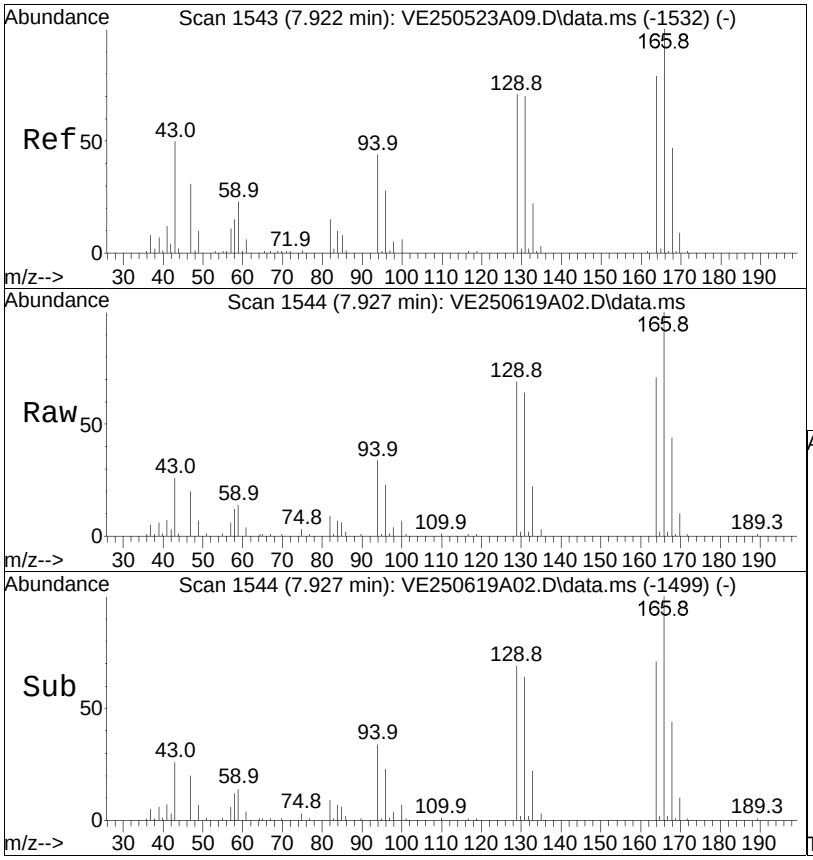


#66
4-Methyl-2-pentanone
Concen: 8.15 ug/L
RT: 7.909 min Scan# 1540
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 58 Resp: 12983

Ion	Ratio	Lower	Upper
58	100		
100	39.2	29.9	44.9
43	257.3	230.2	345.4

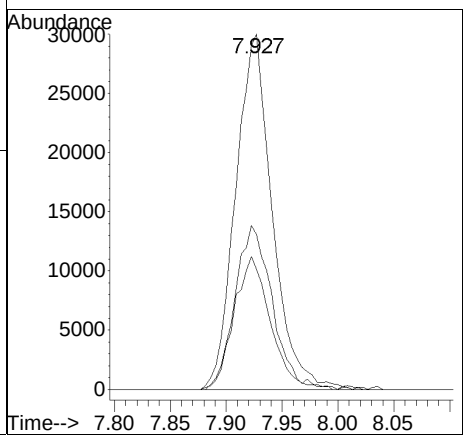


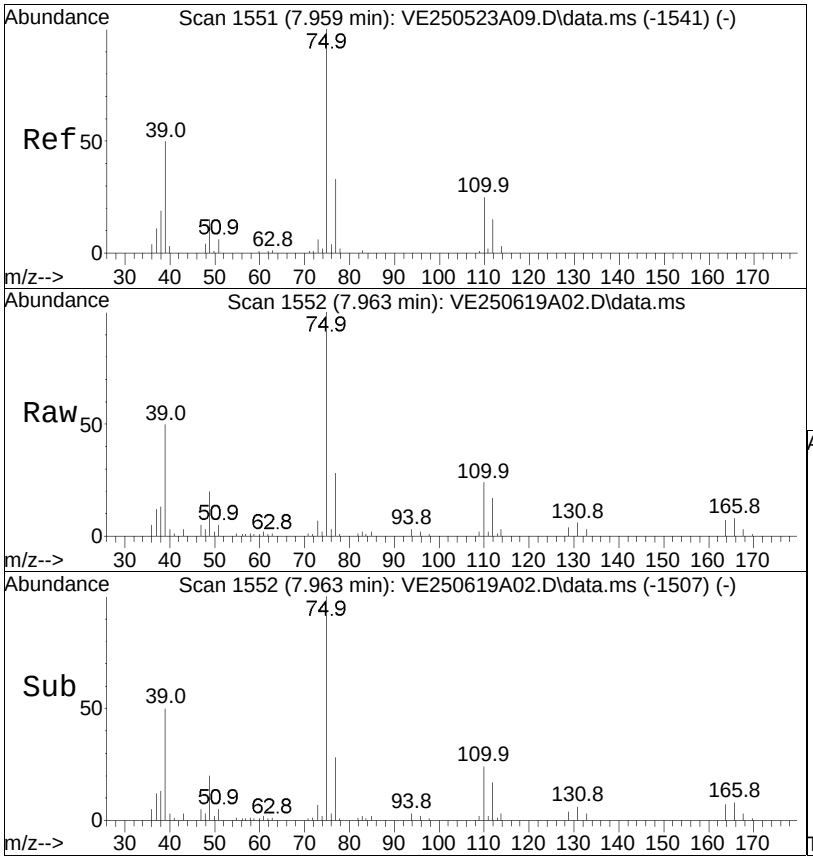


#67
Tetrachloroethene
Concen: 10.24 ug/L
RT: 7.927 min Scan# 1544
Delta R.T. 0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:166 Resp: 68634

Ion	Ratio	Lower	Upper
166	100		
168	46.8	28.0	68.0
94	37.0	22.9	62.9

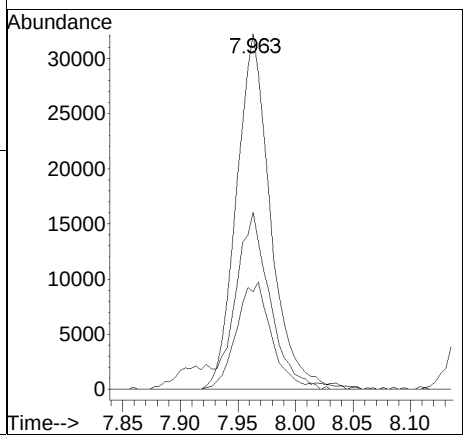


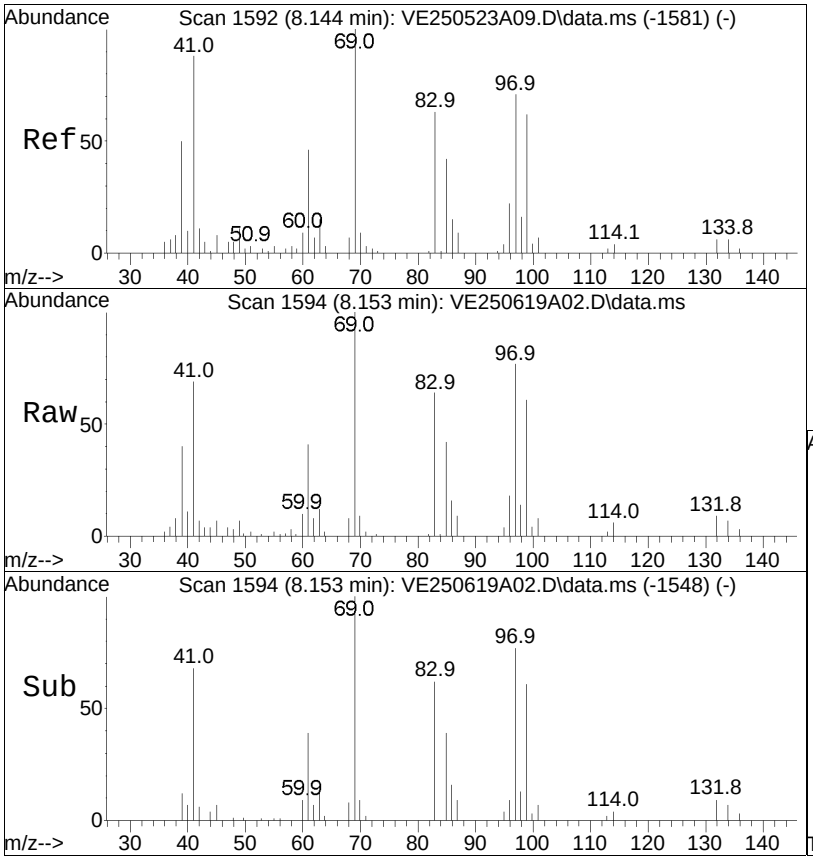


#69
trans-1,3-Dichloropropene
Concen: 8.56 ug/L
RT: 7.963 min Scan# 1552
Delta R.T. 0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 75 Resp: 66662

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.2	51.2
39	49.6	36.8	76.8

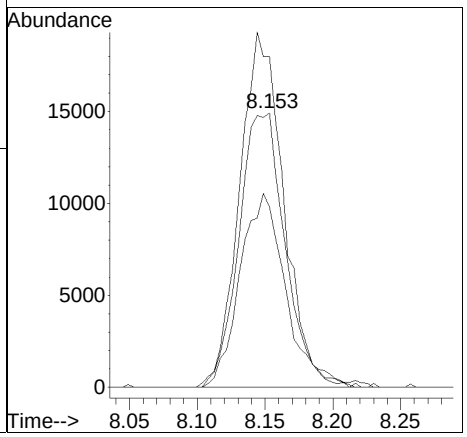


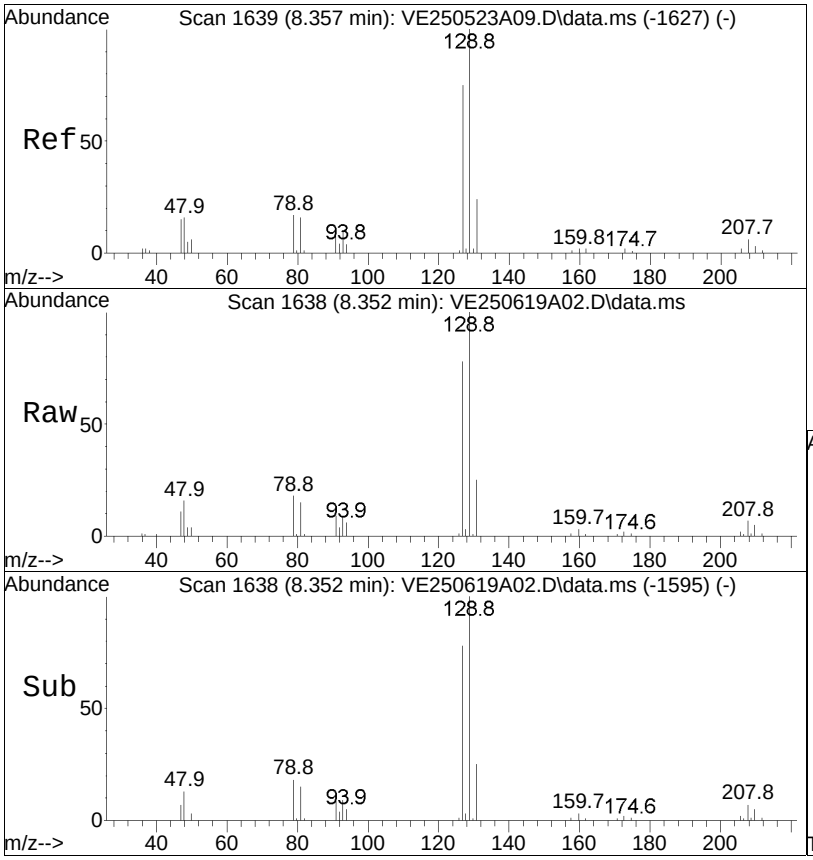


#72
1,1,2-Trichloroethane
Concen: 9.20 ug/L
RT: 8.153 min Scan# 1594
Delta R.T. 0.009 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 83 Resp: 35545

Ion	Ratio	Lower	Upper
83	100		
97	124.1	93.6	133.6
85	68.8	44.0	84.0

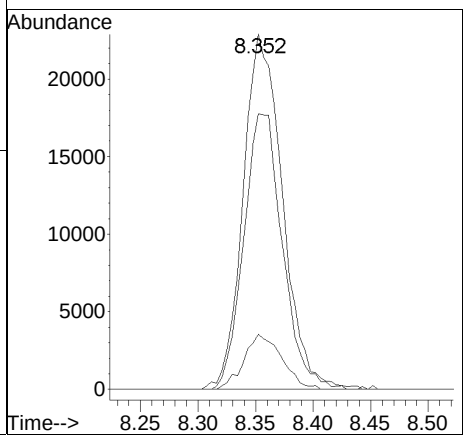


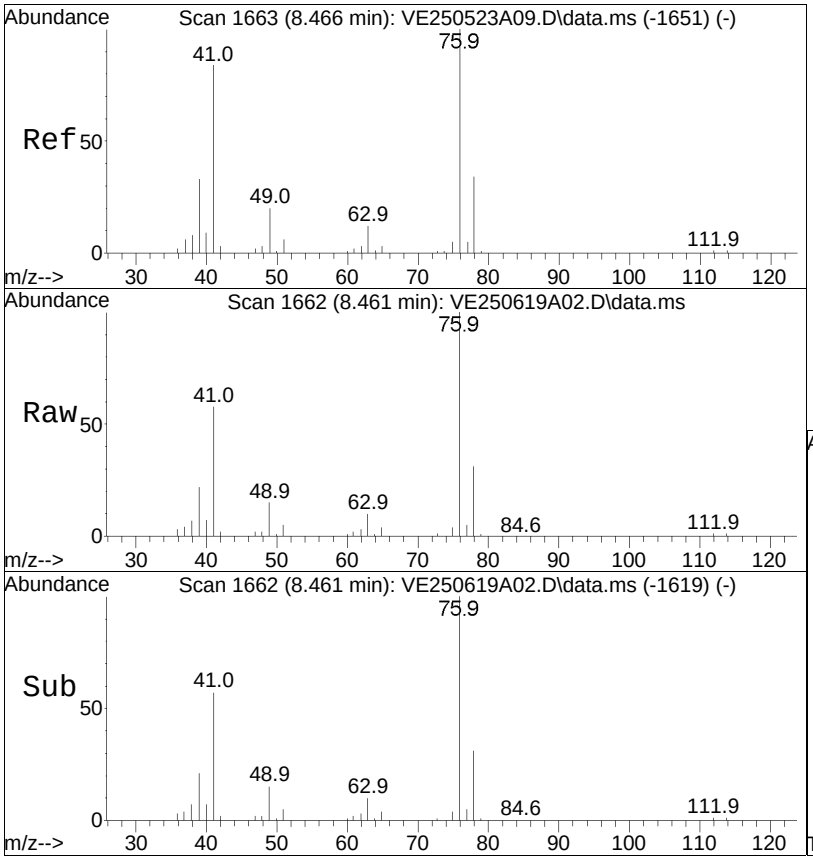


#73
Chlorodibromomethane
Concen: 9.03 ug/L
RT: 8.352 min Scan# 1638
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:129 Resp: 54459

Ion	Ratio	Lower	Upper
129	100		
81	15.0	0.0	36.6
127	76.3	57.7	97.7

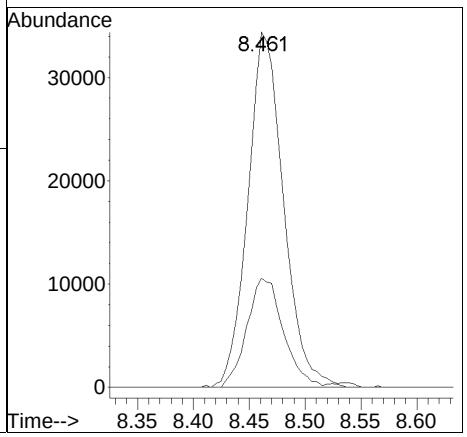


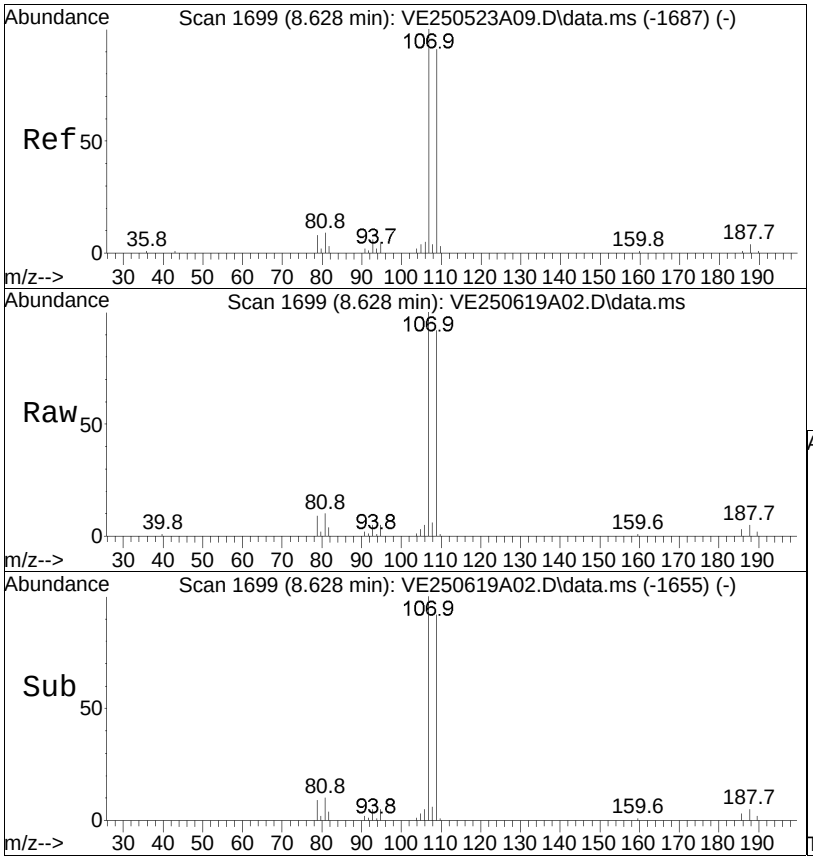


#74
1,3-Dichloropropane
Concen: 9.41 ug/L
RT: 8.461 min Scan# 1662
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 76 Resp: 76739

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.0	37.6

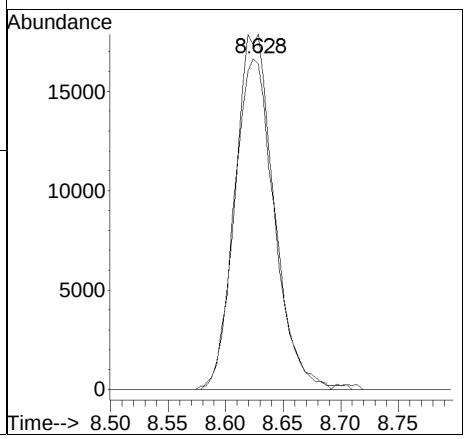


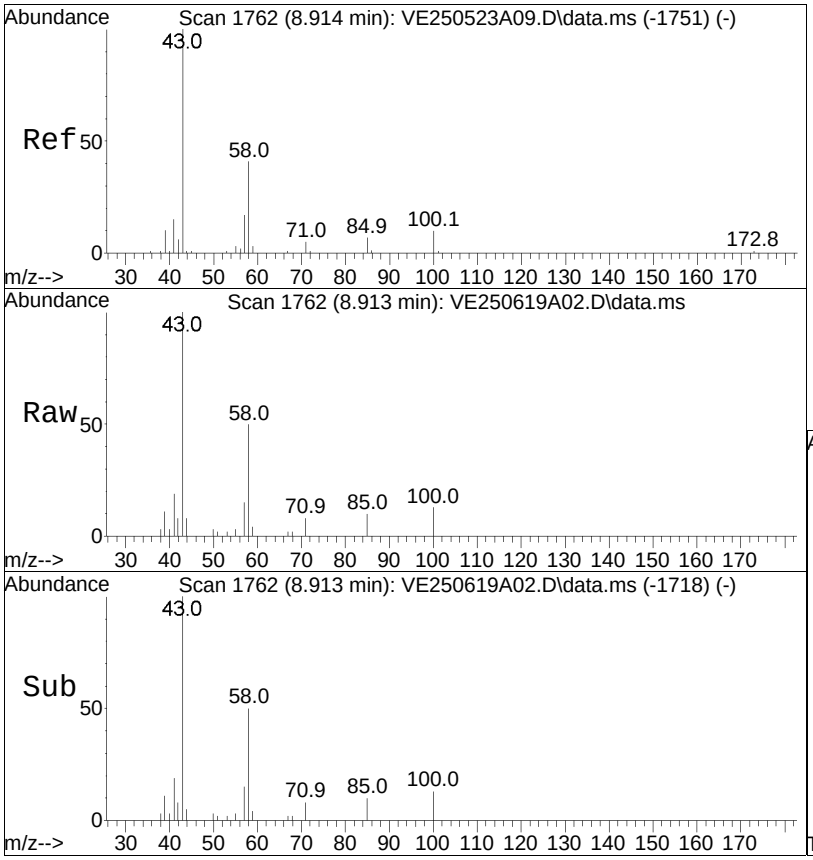


#75
1,2-Dibromoethane
Concen: 9.21 ug/L
RT: 8.628 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:107 Resp: 42739

Ion	Ratio	Lower	Upper
107	100		
109	93.1	75.0	112.6

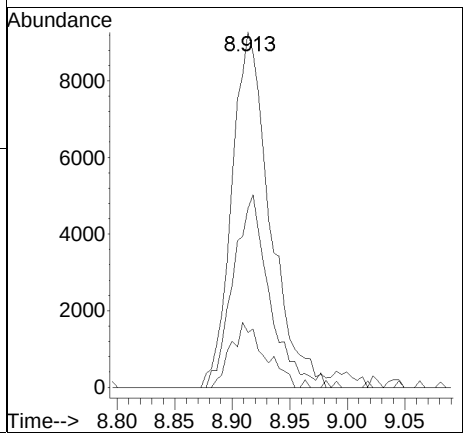


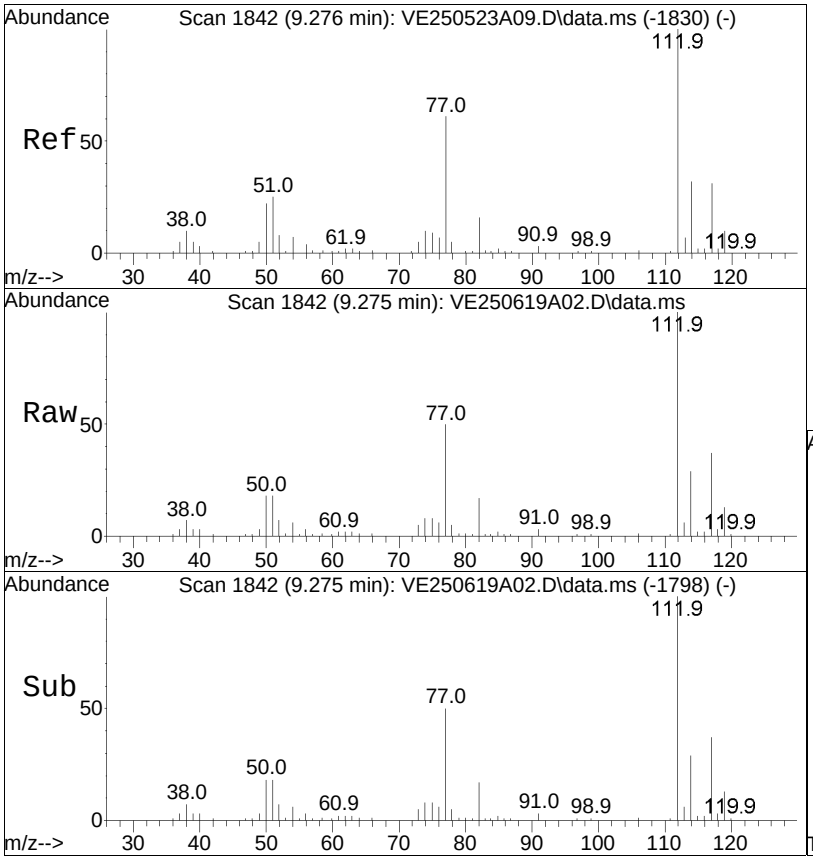


#77
2-Hexanone
Concen: 6.10 ug/L
RT: 8.913 min Scan# 1762
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 43 Resp: 22020

Ion	Ratio	Lower	Upper
43	100		
58	50.5	38.6	58.0
57	15.9	14.5	21.7

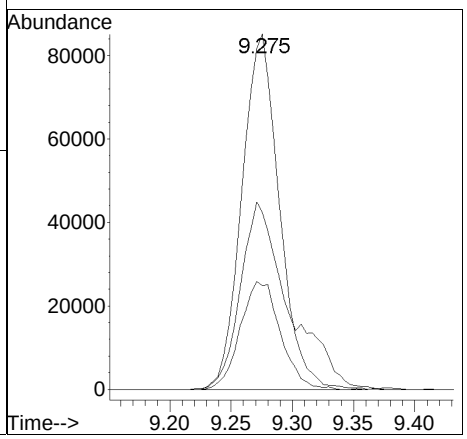


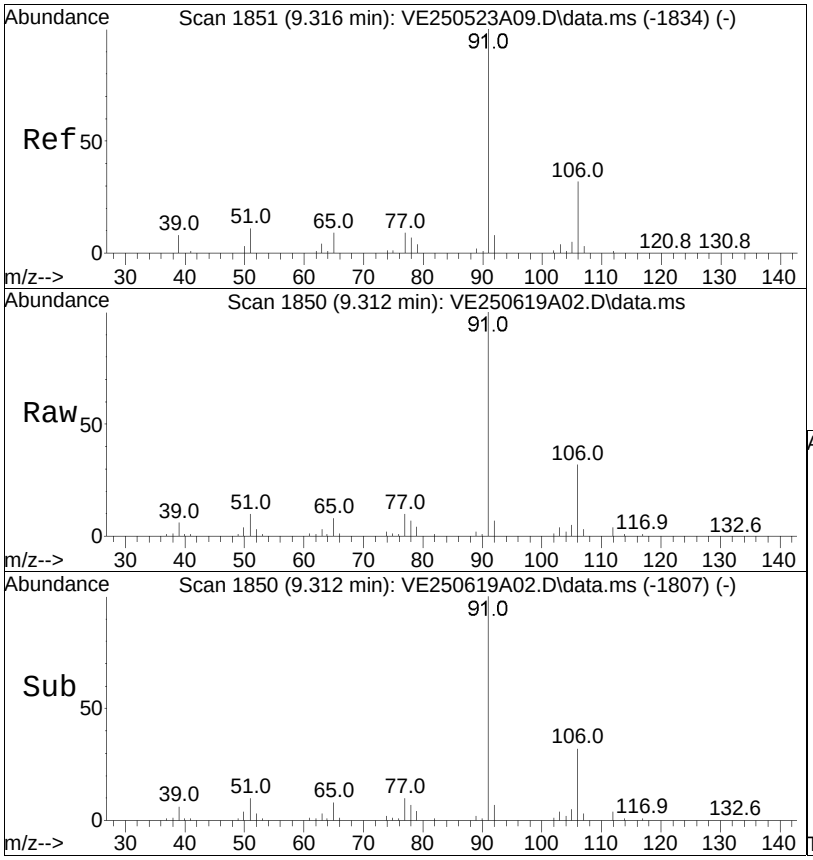


#78
Chlorobenzene
Concen: 9.67 ug/L
RT: 9.275 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:112 Resp: 181352

Ion	Ratio	Lower	Upper
112	100		
77	68.4	61.7	92.5
114	32.5	25.5	38.3

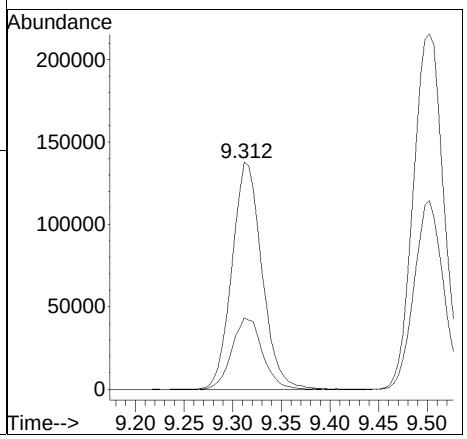


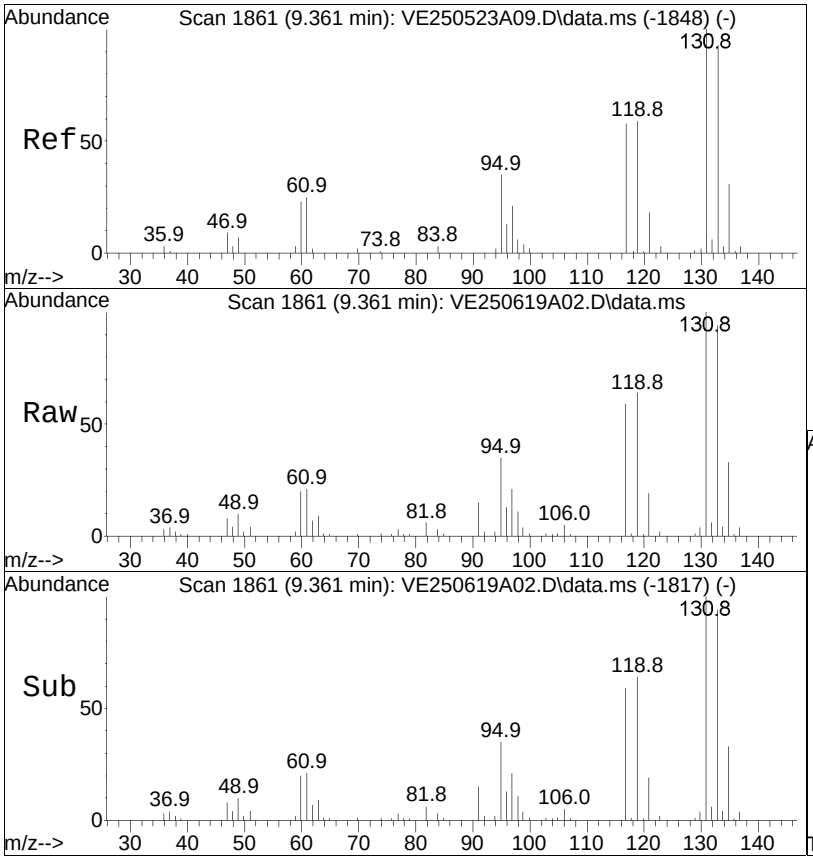


#79
Ethylbenzene
Concen: 9.02 ug/L
RT: 9.312 min Scan# 1850
Delta R.T. -0.005 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 91 Resp: 296239

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.7	37.1

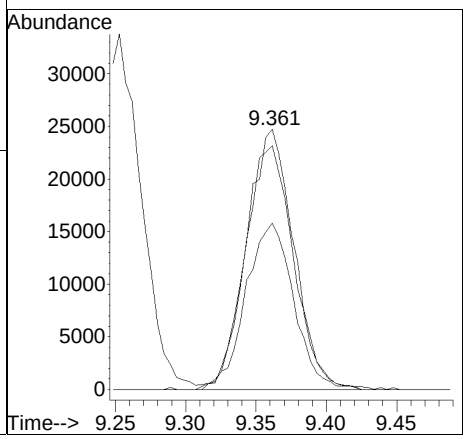


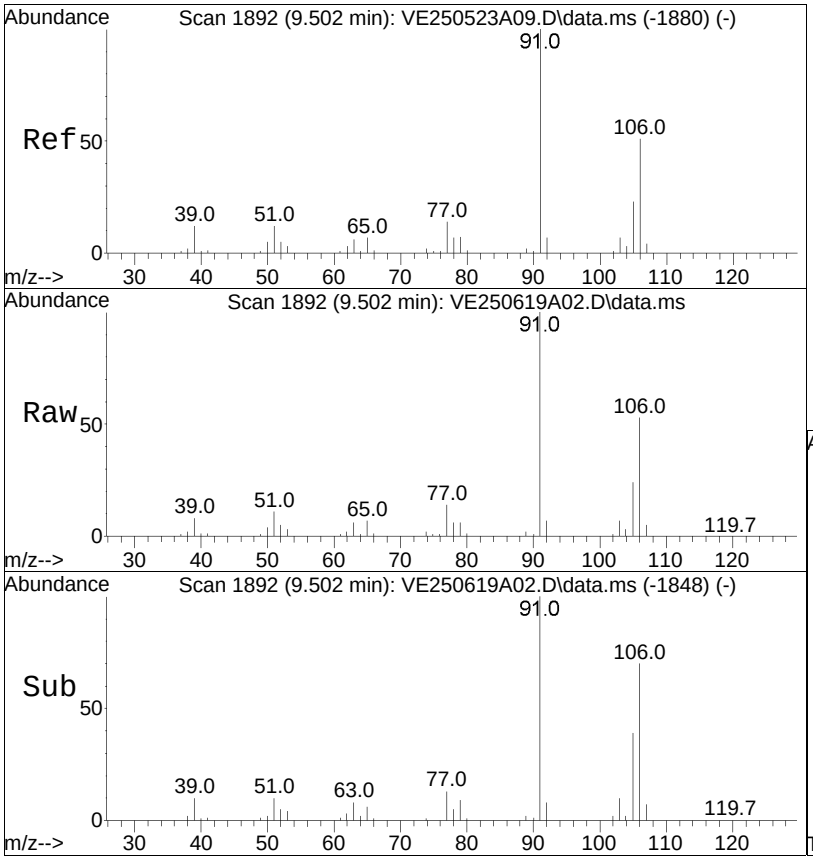


#80
1,1,1,2-Tetrachloroethane
Concen: 9.38 ug/L
RT: 9.361 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:131 Resp: 57944

Ion	Ratio	Lower	Upper
131	100		
133	96.0	77.8	117.8
119	64.4	41.2	81.2

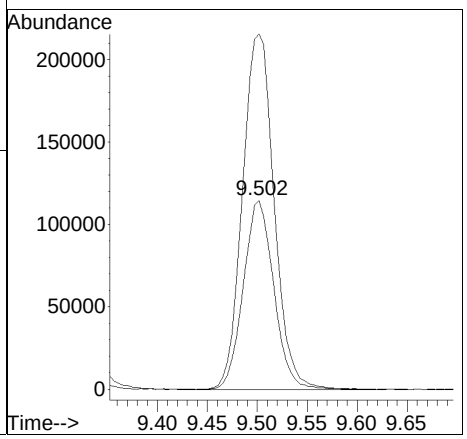


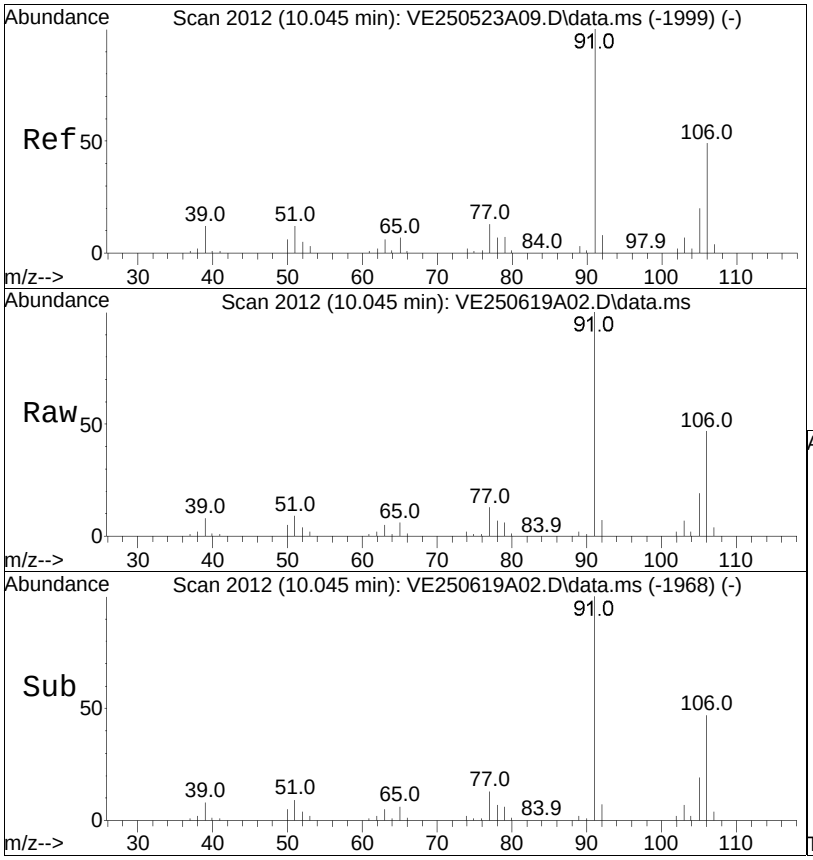


#81
p/m Xylene
Concen: 17.71 ug/L
RT: 9.502 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:106 Resp: 243015

Ion	Ratio	Lower	Upper
106	100		
91	195.0	163.2	244.8

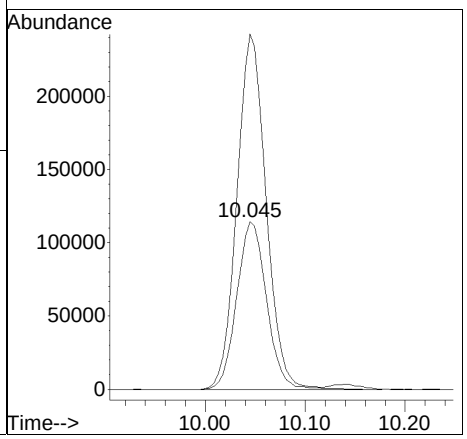


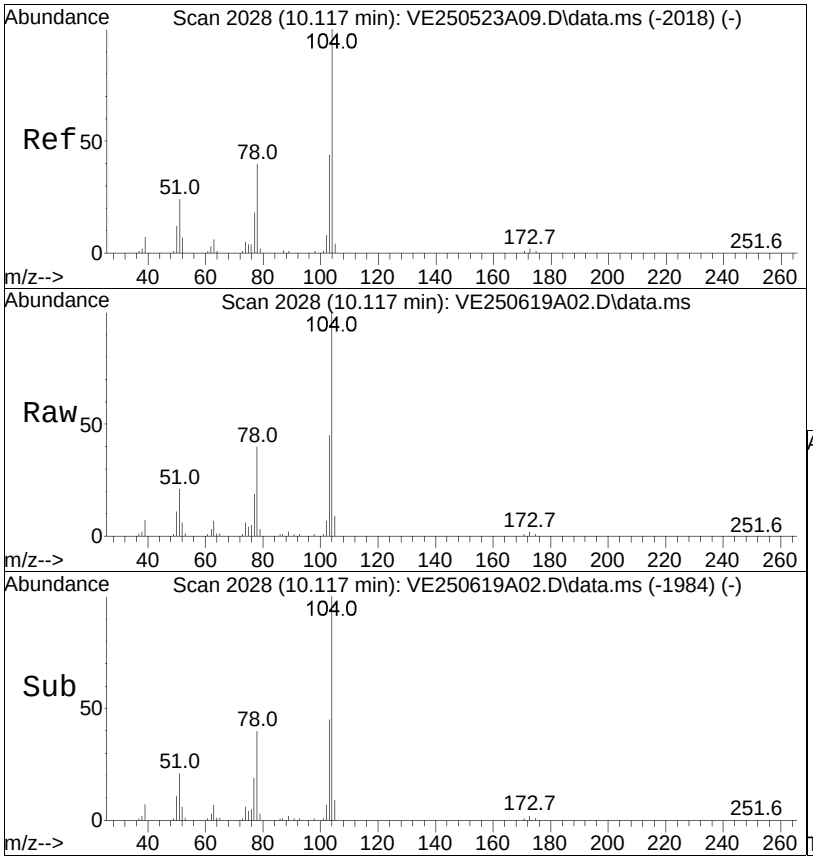


#82
o Xylene
Concen: 17.47 ug/L
RT: 10.045 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:106 Resp: 237202

Ion	Ratio	Lower	Upper
106	100		
91	210.1	177.0	265.6

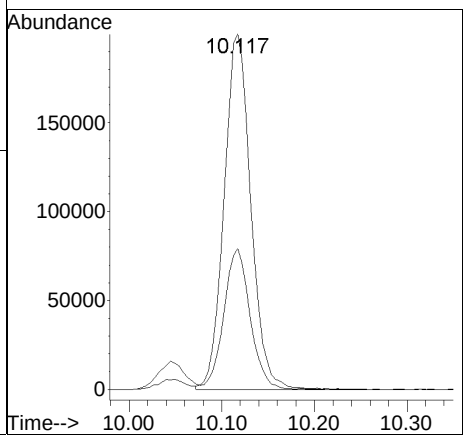


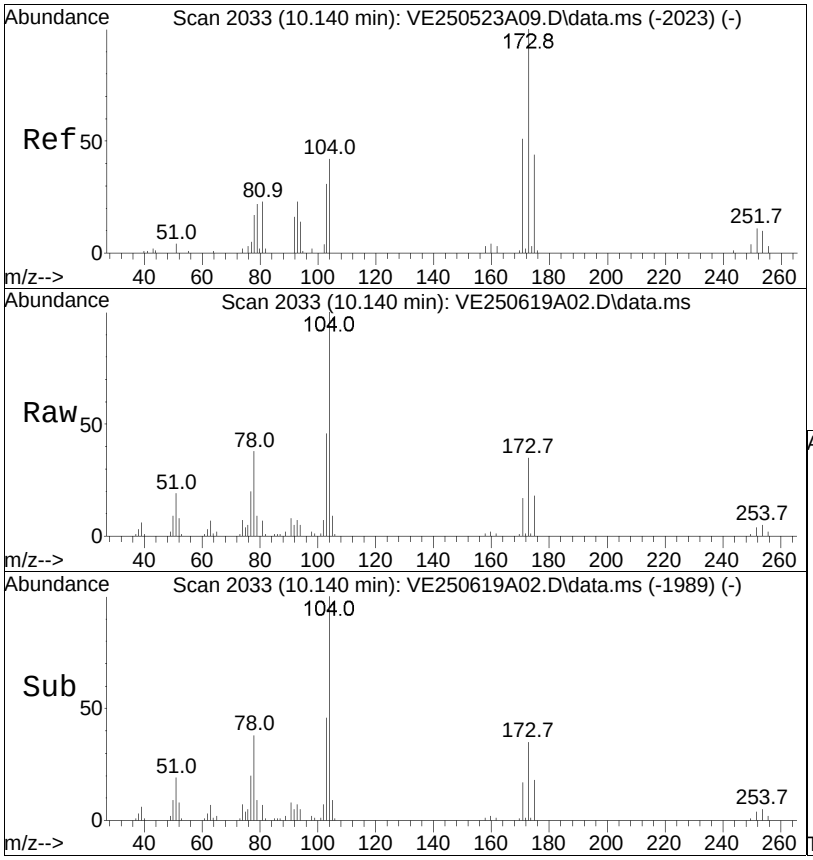


#83
Styrene
Concen: 17.54 ug/L
RT: 10.117 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:104 Resp: 400870

Ion	Ratio	Lower	Upper
104	100		
78	39.1	34.1	51.1

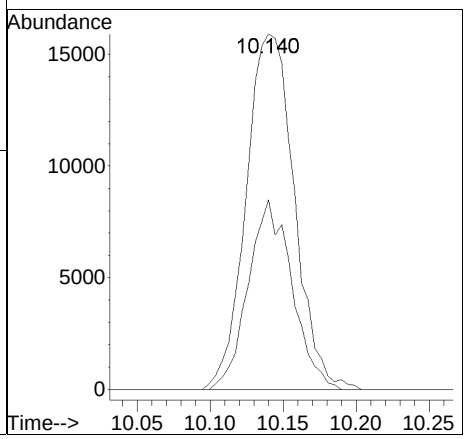


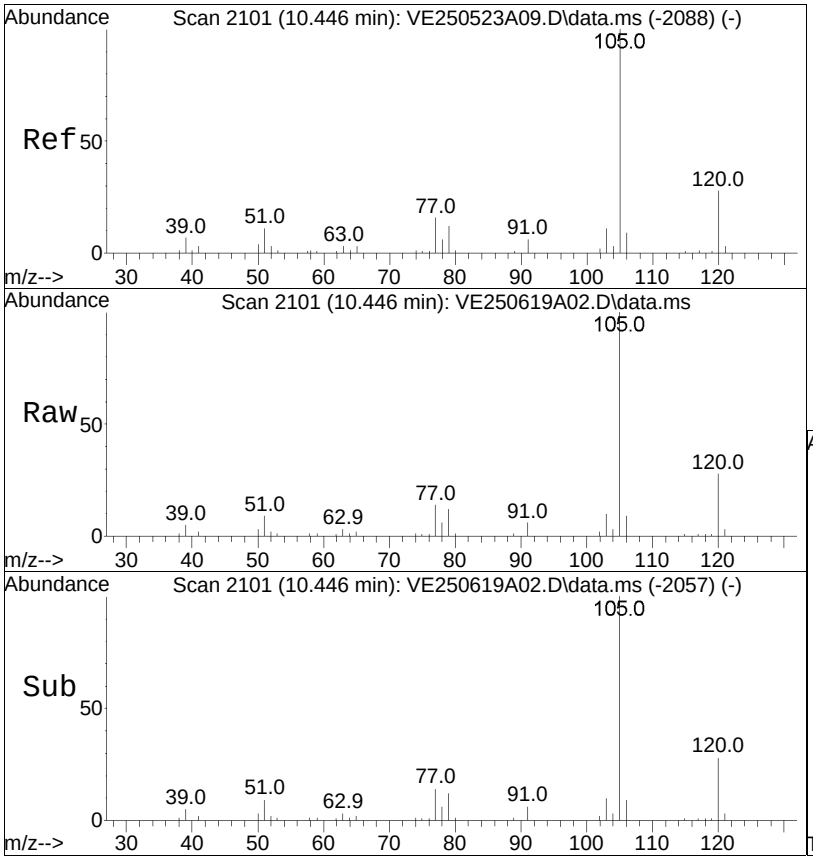


#85
Bromoform
Concen: 8.98 ug/L
RT: 10.140 min Scan# 2033
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:173 Resp: 36462

Ion	Ratio	Lower	Upper
173	100		
175	48.3	25.9	65.9

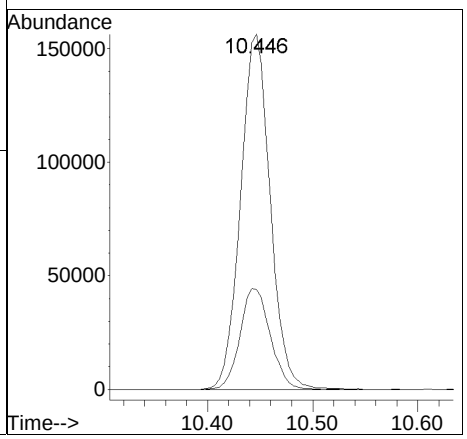


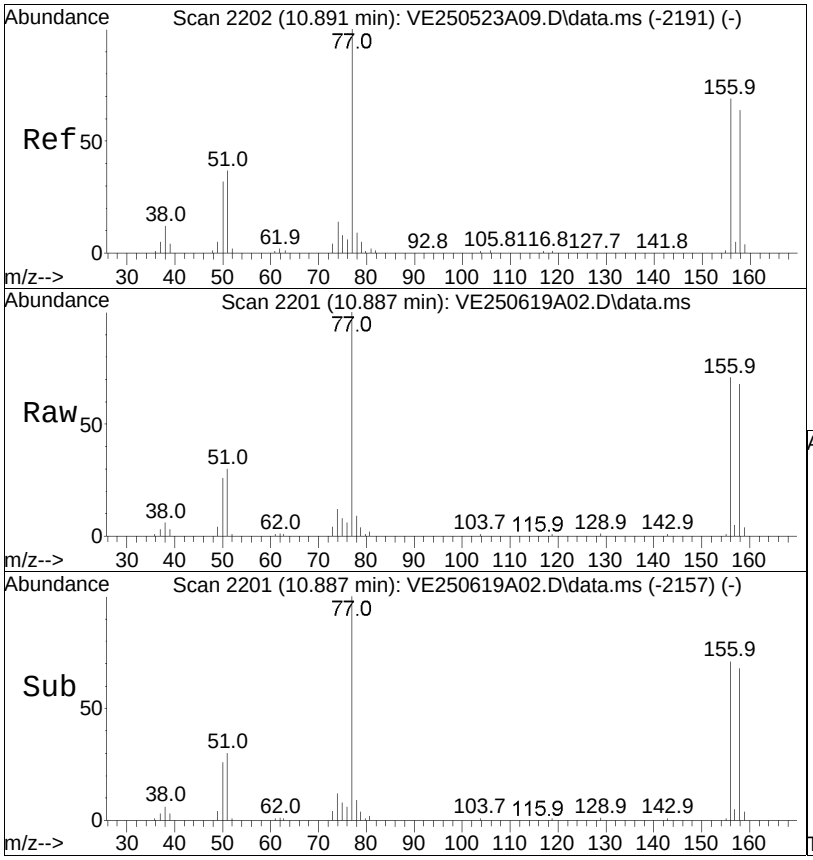


#87
Isopropylbenzene
Concen: 8.15 ug/L
RT: 10.446 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:105 Resp: 307017

Ion	Ratio	Lower	Upper
105	100		
120	29.0	6.4	46.4

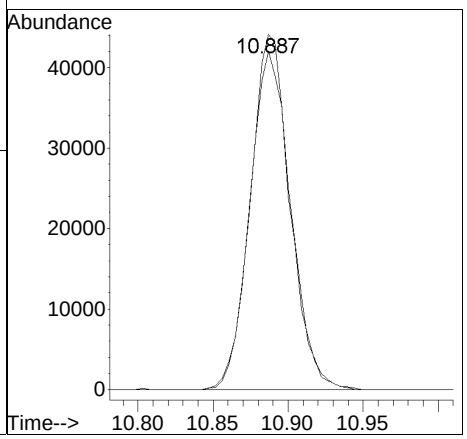


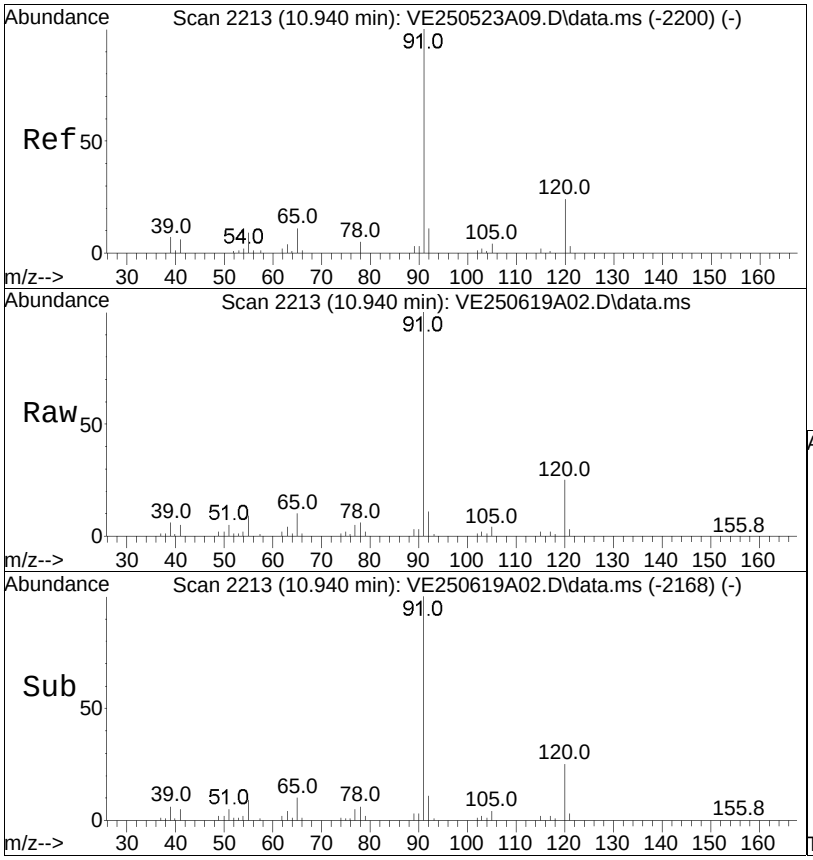


#89
Bromobenzene
Concen: 9.47 ug/L
RT: 10.887 min Scan# 2201
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:156 Resp: 81549

Ion	Ratio	Lower	Upper
156	100		
158	96.3	78.0	117.0

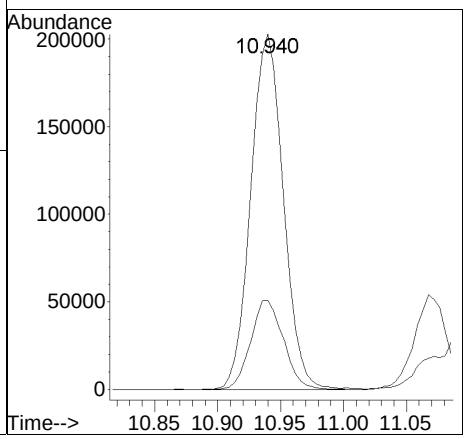


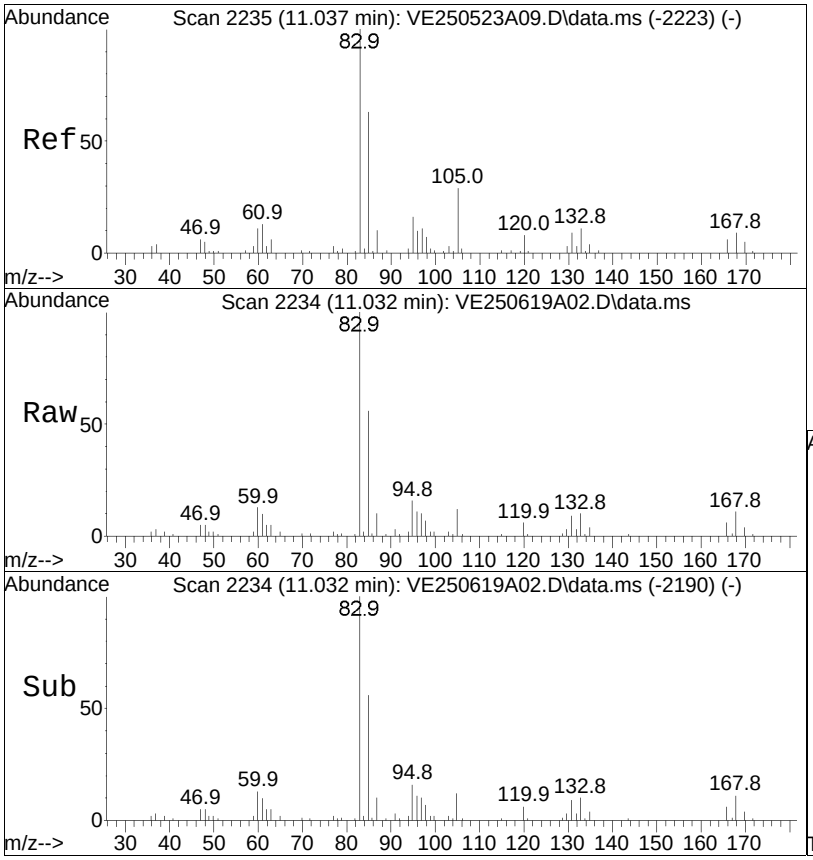


#90
n-Propylbenzene
Concen: 8.22 ug/L
RT: 10.940 min Scan# 2213
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 91 Resp: 365051

Ion	Ratio	Lower	Upper
91	100		
120	25.2	18.5	27.7

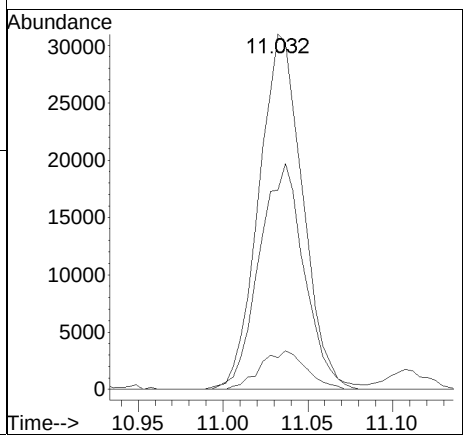


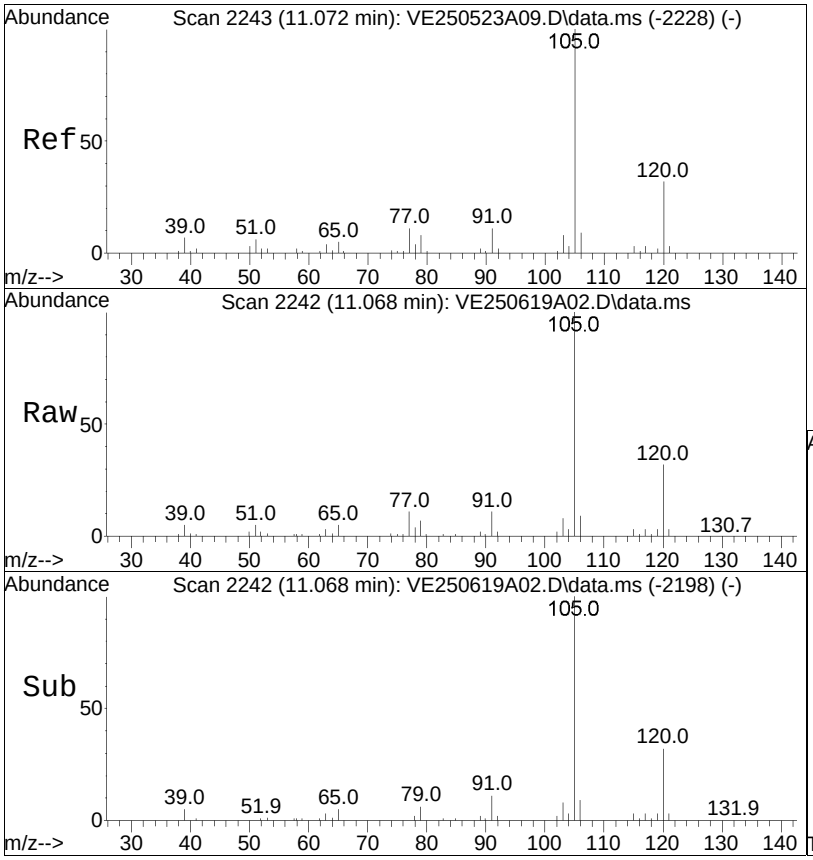


#92
1,1,2,2-Tetrachloroethane
Concen: 9.28 ug/L
RT: 11.032 min Scan# 2234
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 83 Resp: 55441

Ion	Ratio	Lower	Upper
83	100		
131	11.5	0.0	30.3
85	66.5	46.4	86.4

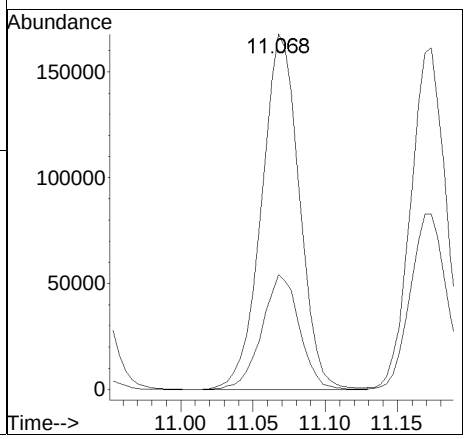


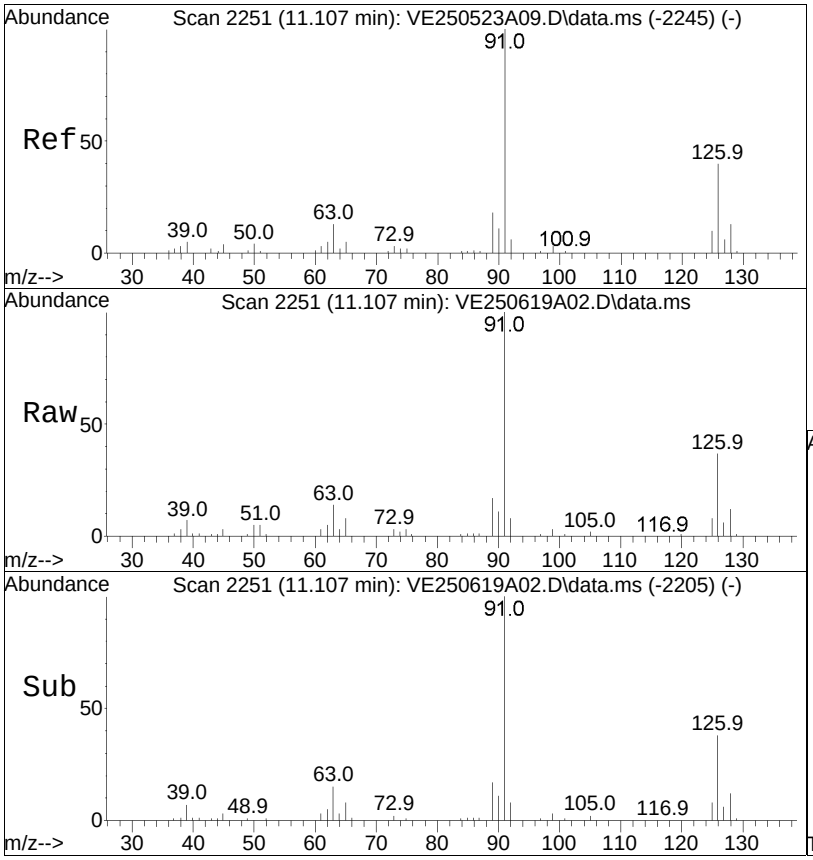


#93
4-Ethyltoluene
Concen: 8.06 ug/L
RT: 11.068 min Scan# 2242
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:105 Resp: 304767

Ion	Ratio	Lower	Upper
105	100		
120	32.1	19.4	40.2

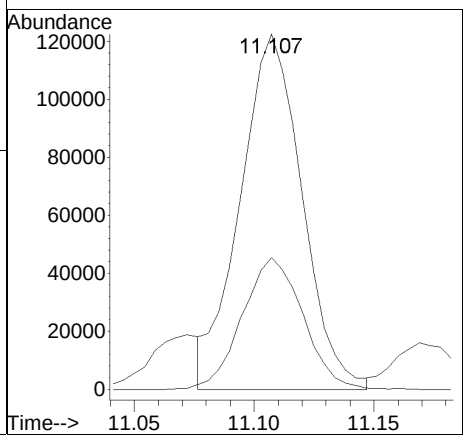


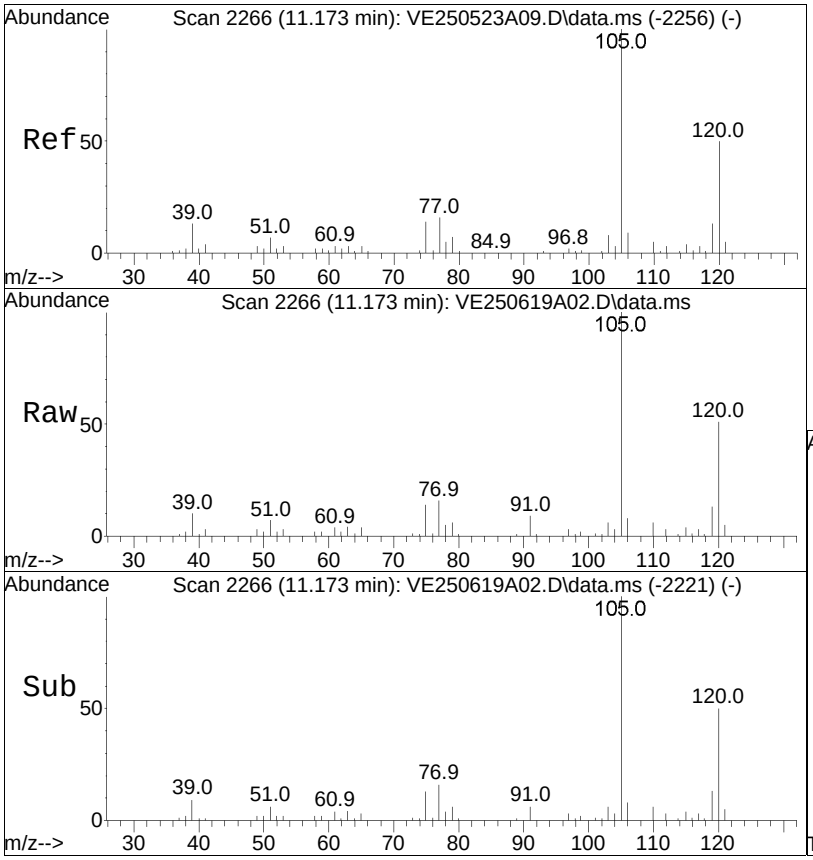


#94
2-Chlorotoluene
Concen: 8.35 ug/L M6
RT: 11.107 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 91 Resp: 219939

Ion	Ratio	Lower	Upper
91	100		
126	36.4	27.1	40.7

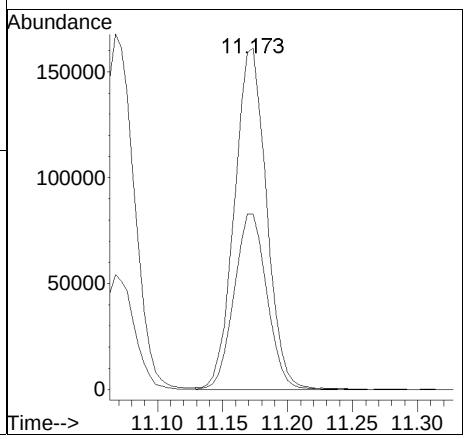


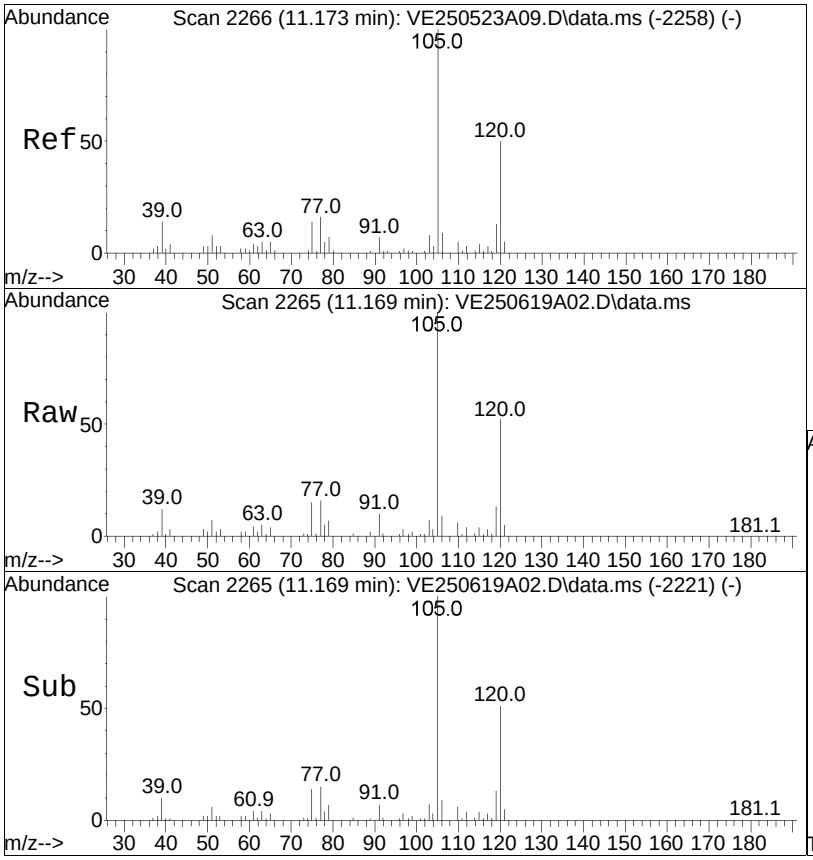


#95
1,3,5-Trimethylbenzene
Concen: 8.34 ug/L
RT: 11.173 min Scan# 2266
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:105 Resp: 276549

Ion	Ratio	Lower	Upper
105	100		
120	52.2	40.2	60.2

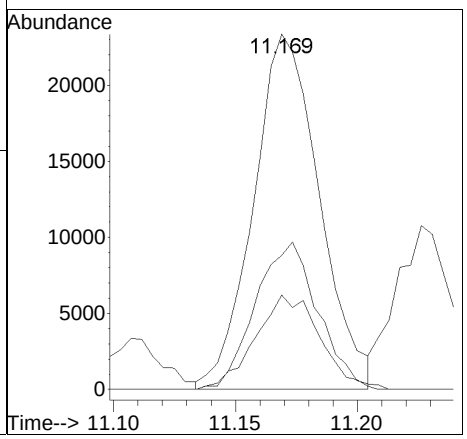


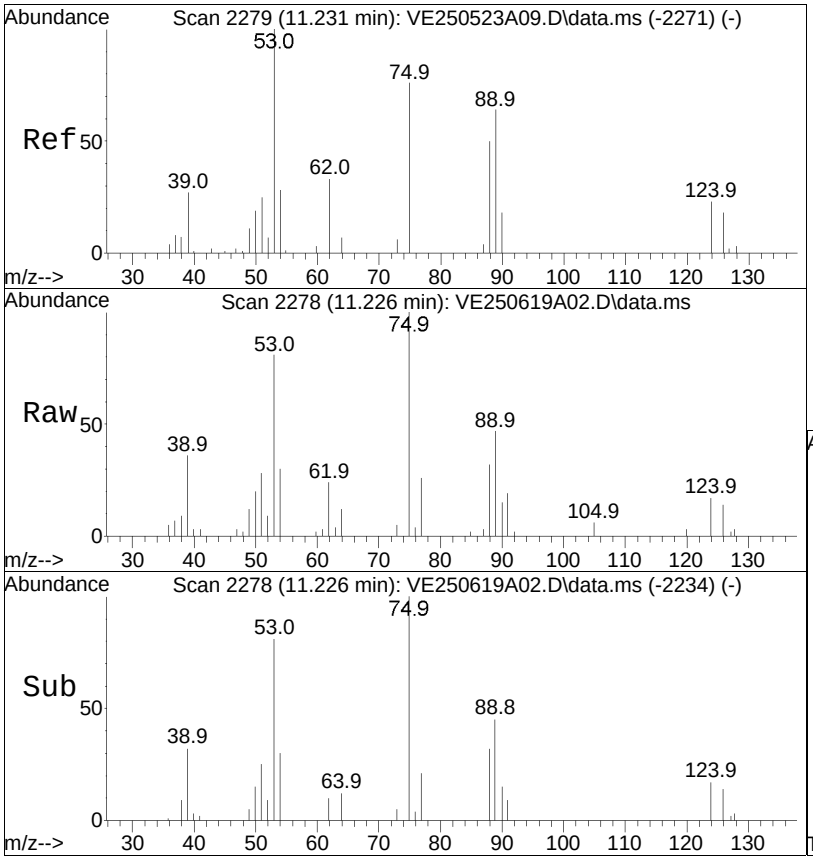


#96
1,2,3-Trichloropropane
Concen: 8.49 ug/L
RT: 11.169 min Scan# 2265
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 75 Resp: 44046

Ion	Ratio	Lower	Upper
75	100		
110	39.4	22.8	47.4
112	25.6	14.9	30.9

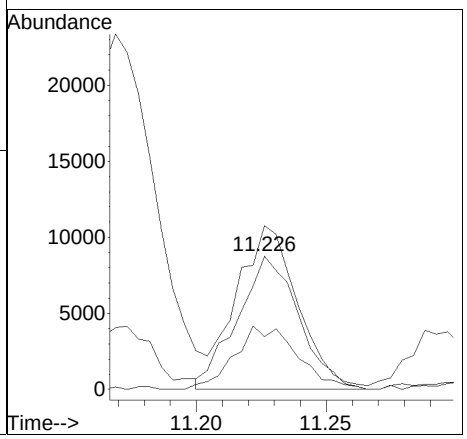


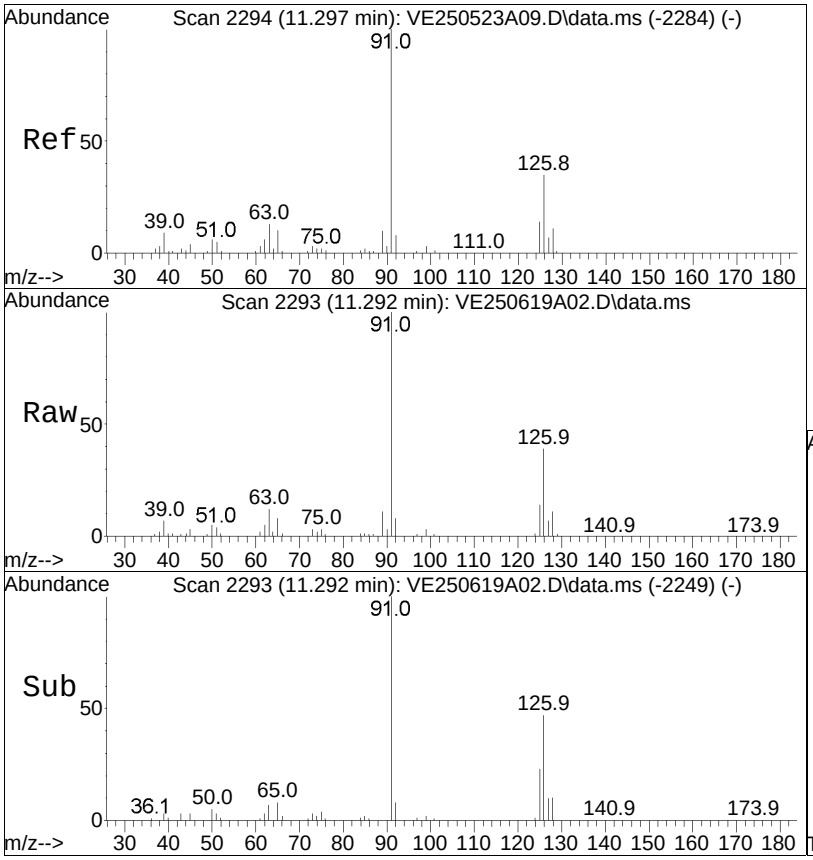


#97
trans-1,4-Dichloro-2-butene
Concen: 6.84 ug/L
RT: 11.226 min Scan# 2278
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 53 Resp: 14380

Ion	Ratio	Lower	Upper
53	100		
88	48.7	32.6	49.0
75	119.9	75.3	112.9#

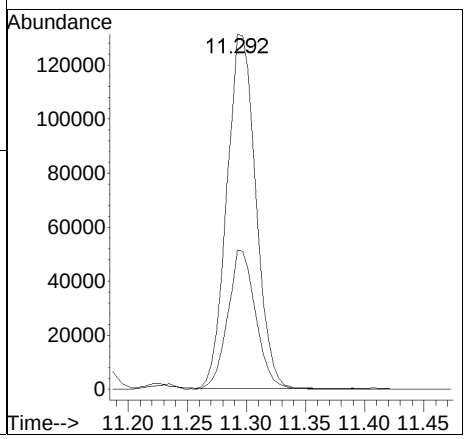


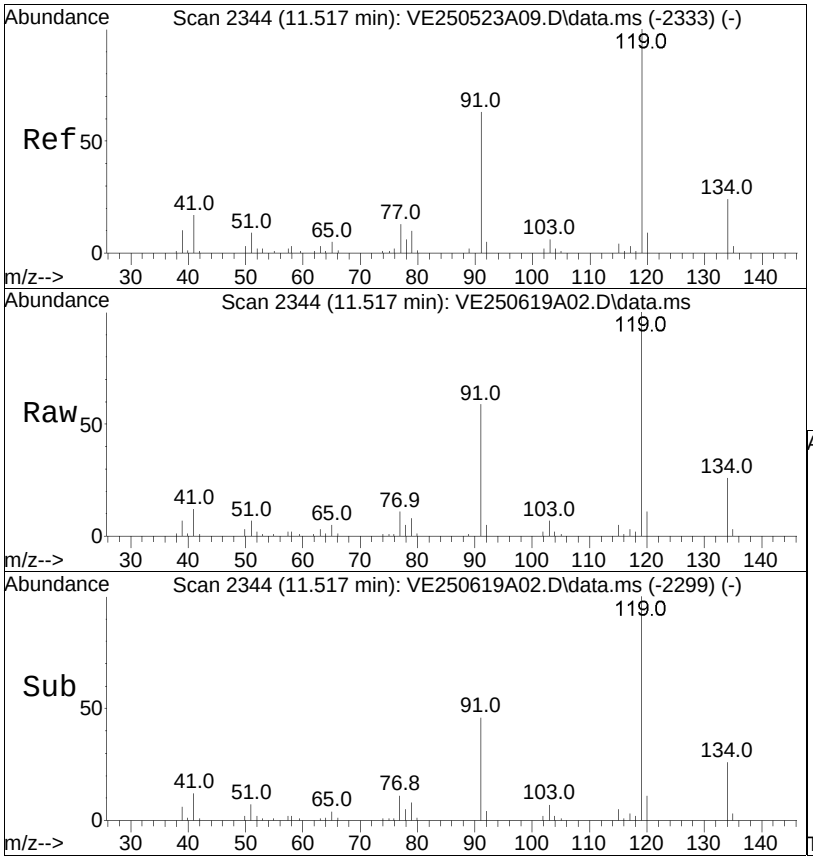


#98
4-Chlorotoluene
Concen: 8.17 ug/L
RT: 11.292 min Scan# 2293
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 91 Resp: 223664

Ion	Ratio	Lower	Upper
91	100		
126	38.0	26.2	39.4

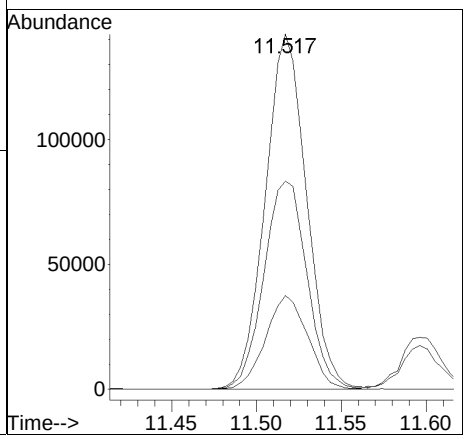


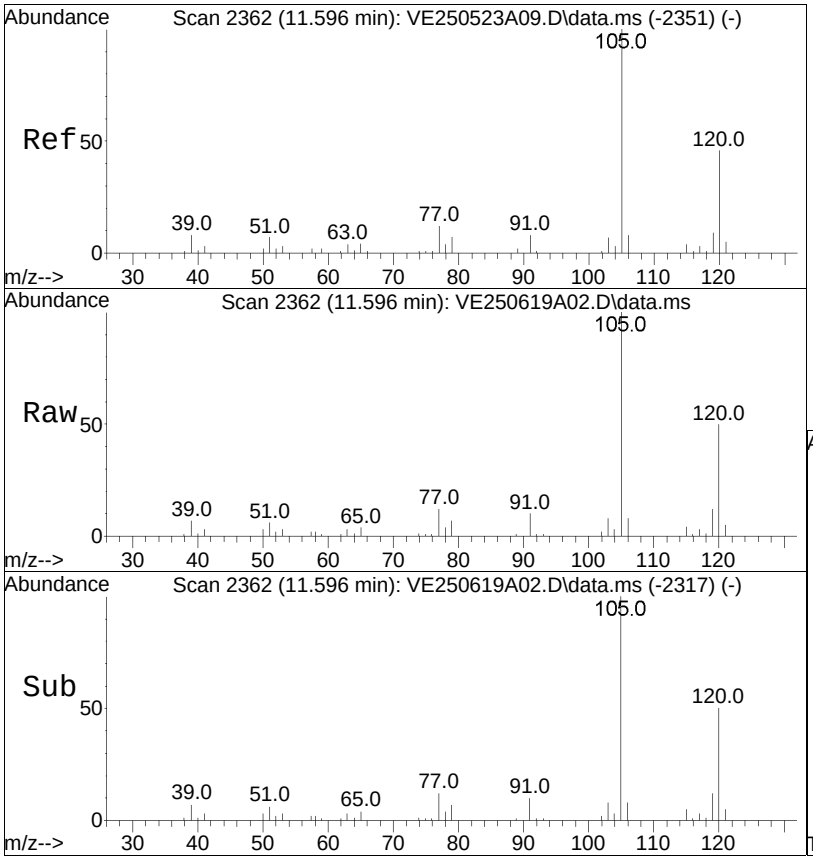


#99
tert-Butylbenzene
Concen: 8.36 ug/L
RT: 11.517 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:119 Resp: 241201

Ion	Ratio	Lower	Upper
119	100		
91	61.2	55.4	83.0
134	27.0	21.8	32.6

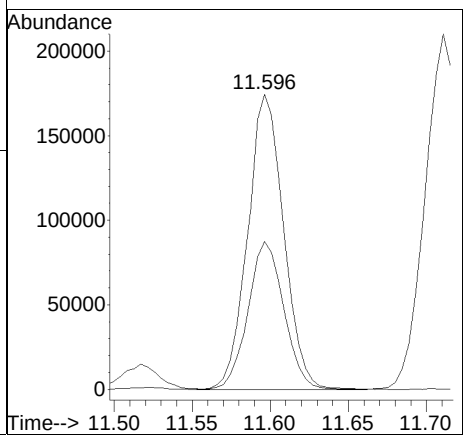


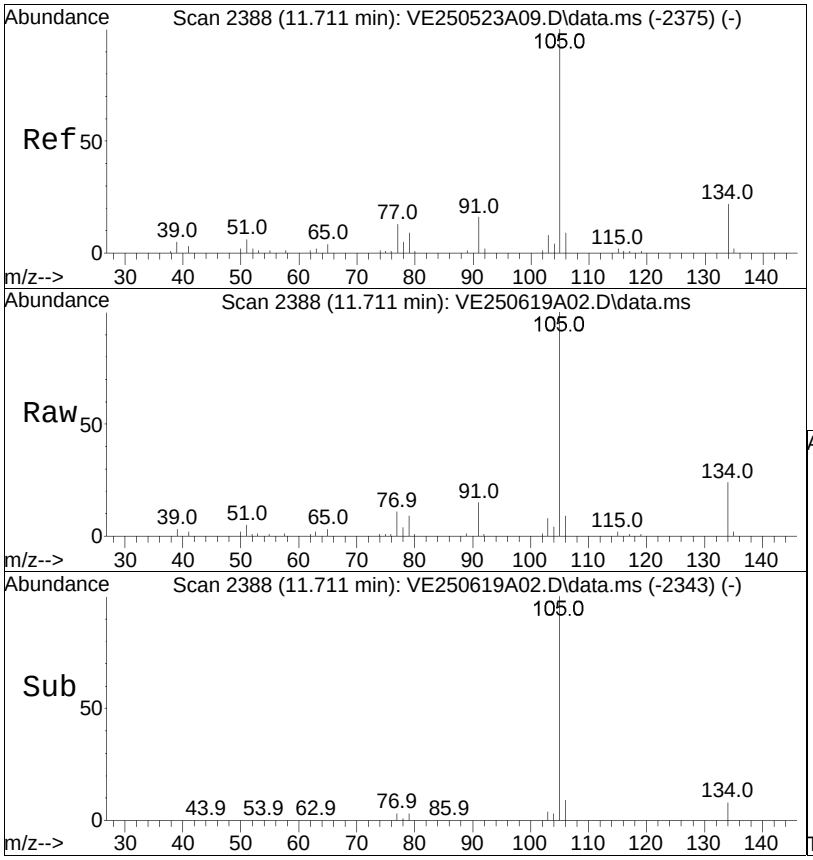


#102
1,2,4-Trimethylbenzene
Concen: 8.67 ug/L
RT: 11.596 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:105 Resp: 279483

Ion	Ratio	Lower	Upper
105	100		
120	50.0	36.5	54.7

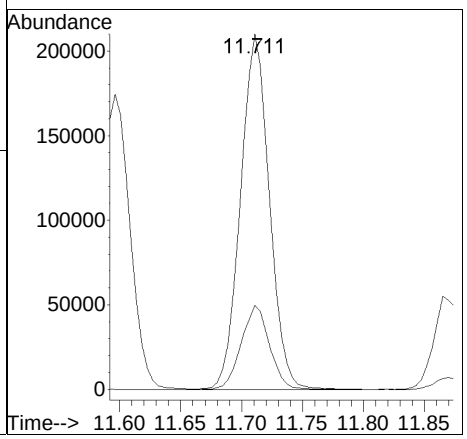


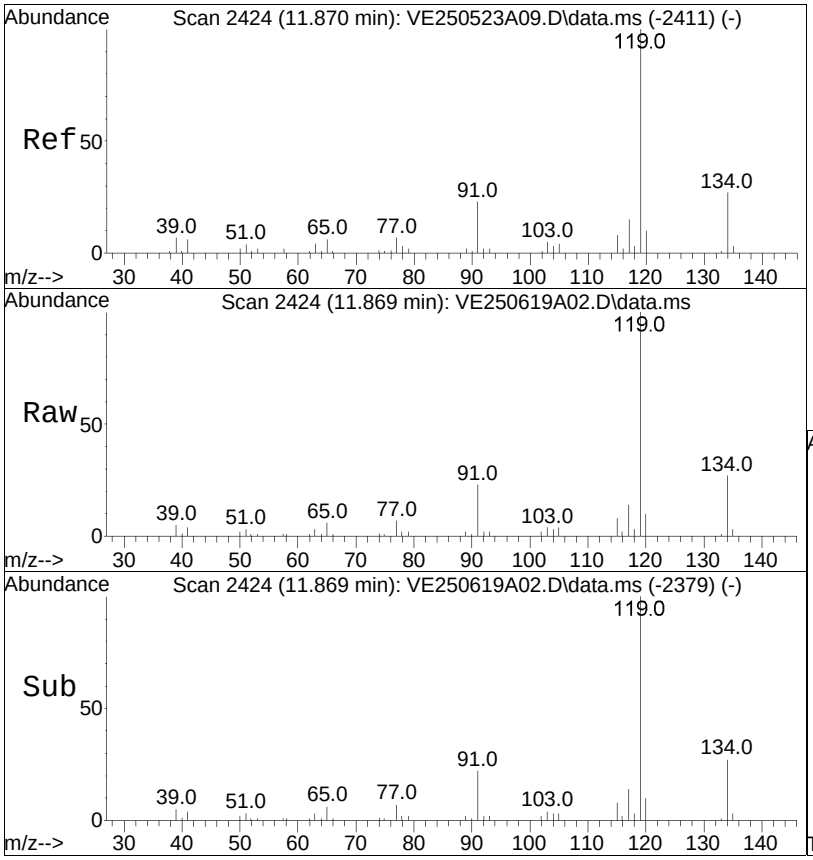


#103
sec-Butylbenzene
Concen: 8.34 ug/L
RT: 11.711 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:105 Resp: 345405

Ion	Ratio	Lower	Upper
105	100		
134	23.1	13.9	28.9

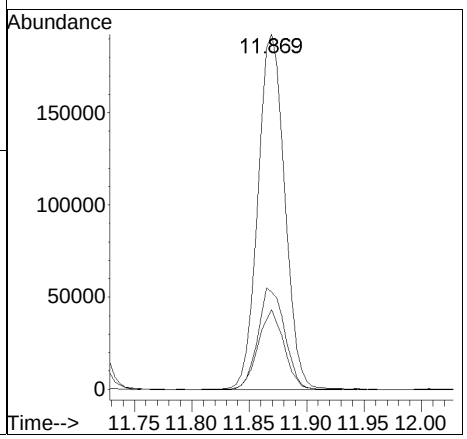


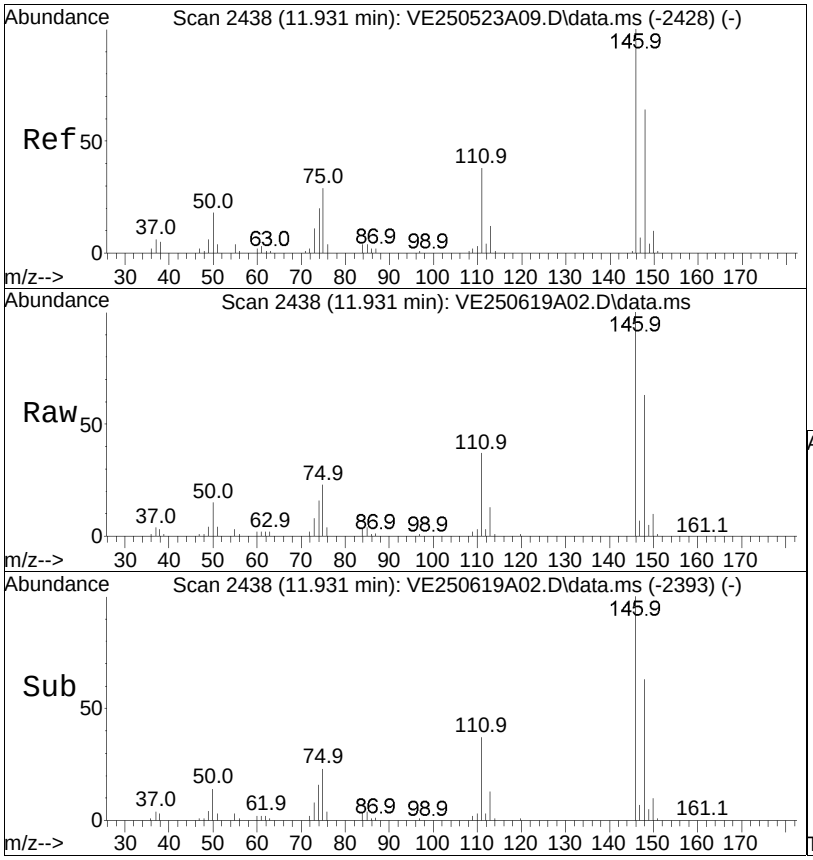


#104
p-Isopropyltoluene
Concen: 8.52 ug/L
RT: 11.869 min Scan# 2424
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:119 Resp: 312999

Ion	Ratio	Lower	Upper
119	100		
134	28.6	18.3	37.9
91	21.8	15.6	32.4

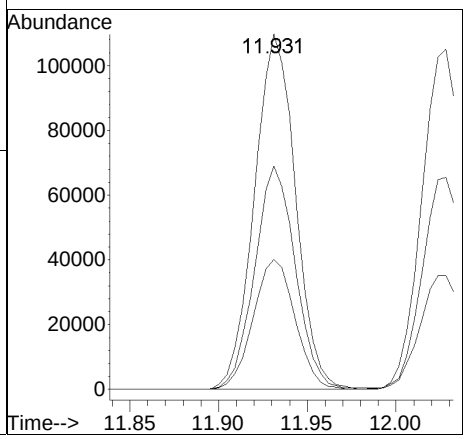


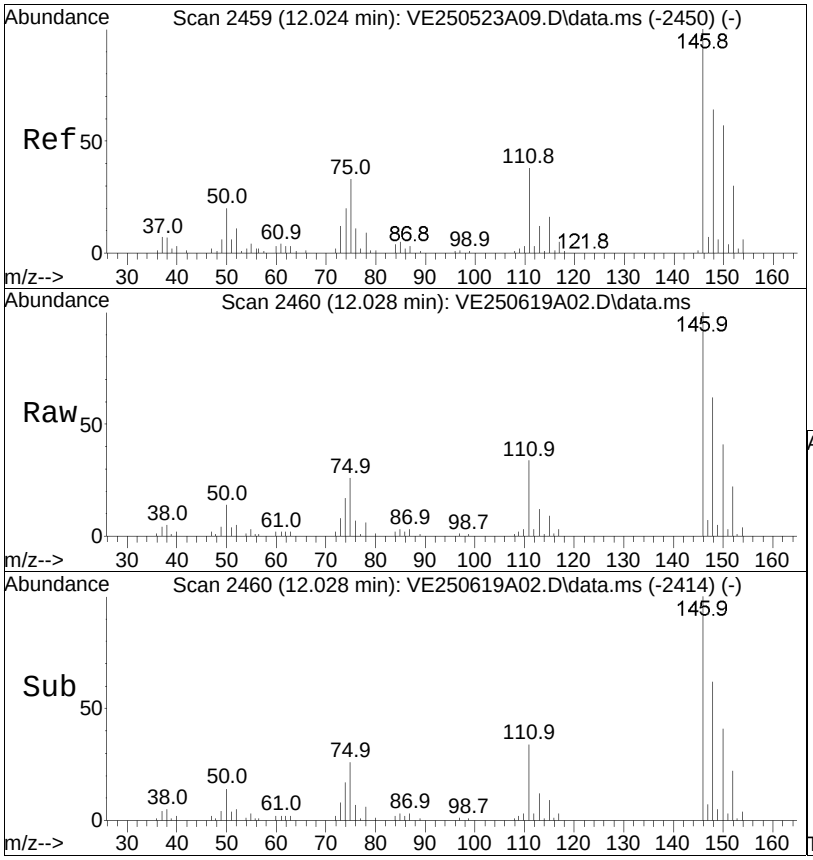


#105
1,3-Dichlorobenzene
Concen: 9.32 ug/L
RT: 11.931 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:146 Resp: 177283

Ion	Ratio	Lower	Upper
146	100		
111	37.1	26.0	54.0
148	62.2	42.1	87.5

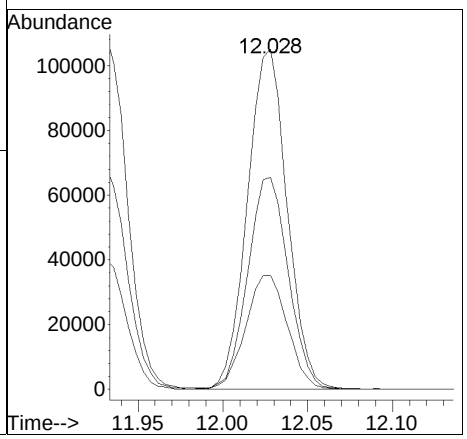


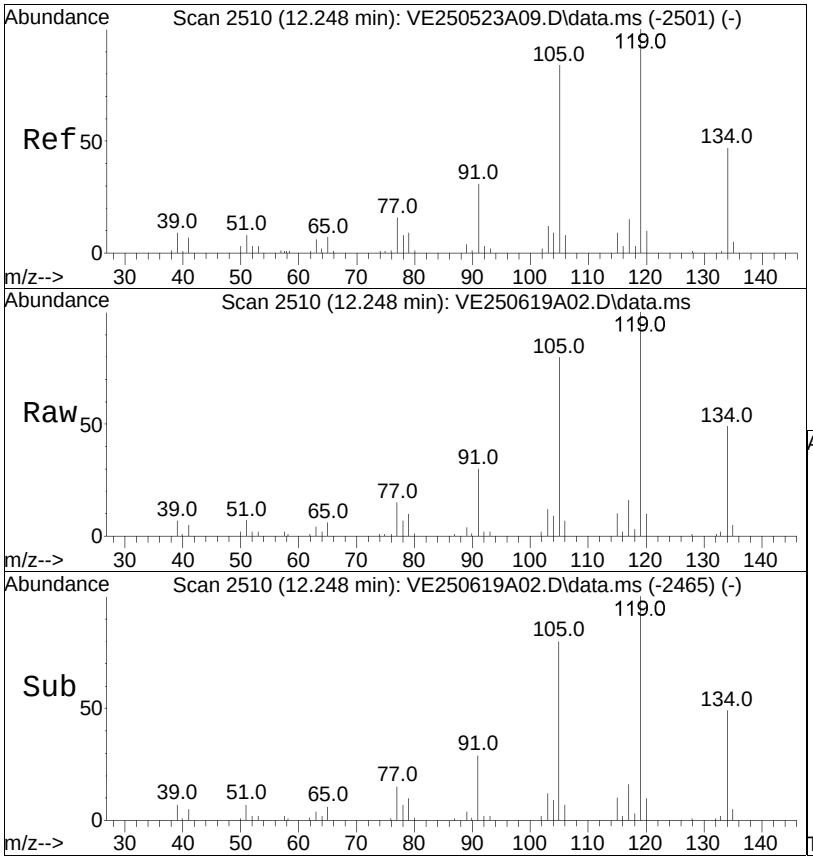


#106
1,4-Dichlorobenzene
Concen: 9.14 ug/L
RT: 12.028 min Scan# 2460
Delta R.T. 0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:146 Resp: 171634

Ion	Ratio	Lower	Upper
146	100		
111	35.3	30.0	45.0
148	63.6	51.2	76.8

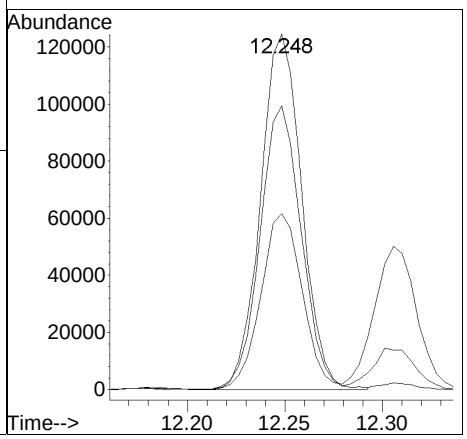


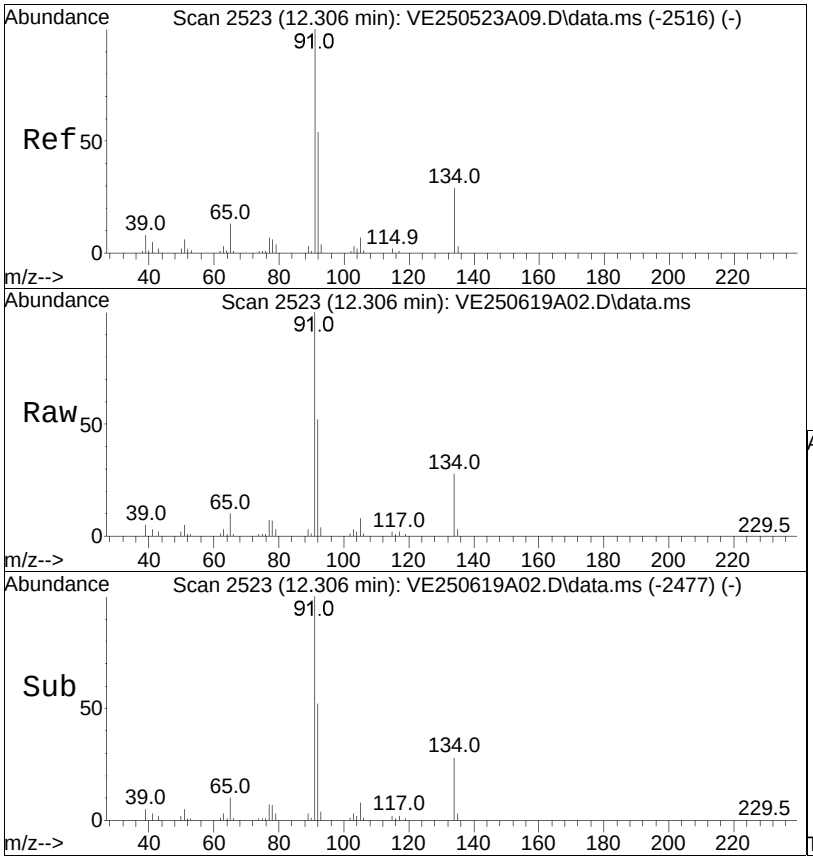


#107
p-Diethylbenzene
Concen: 8.30 ug/L
RT: 12.248 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:119 Resp: 182718

Ion	Ratio	Lower	Upper
119	100		
105	79.8	55.4	115.0
134	50.0	31.8	66.0

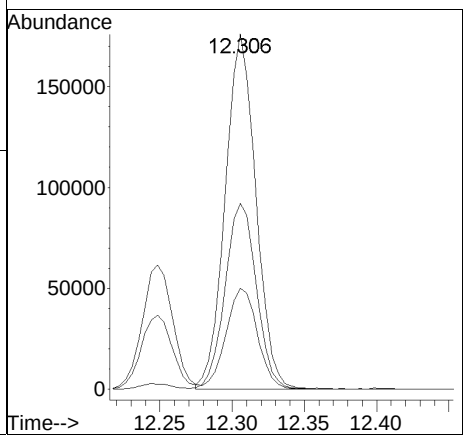


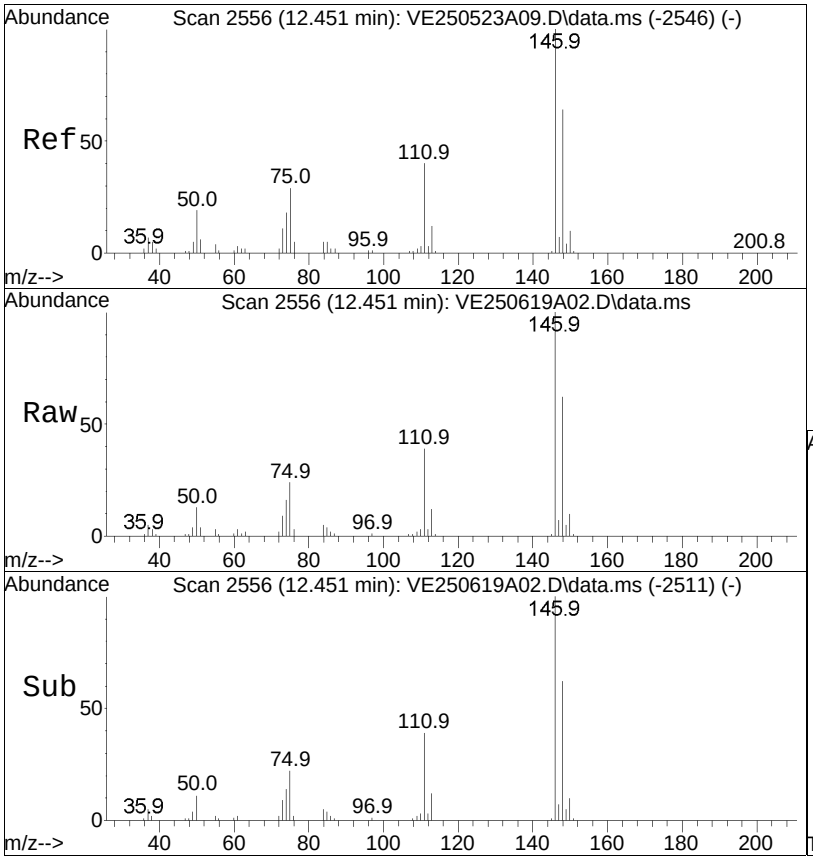


#108
n-Butylbenzene
Concen: 8.59 ug/L
RT: 12.306 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion: 91 Resp: 260646

Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.1	64.7
134	29.2	21.7	32.5

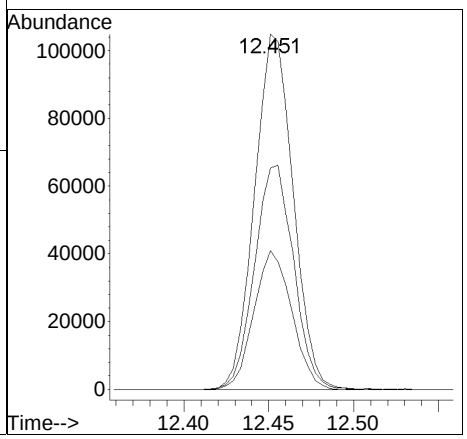


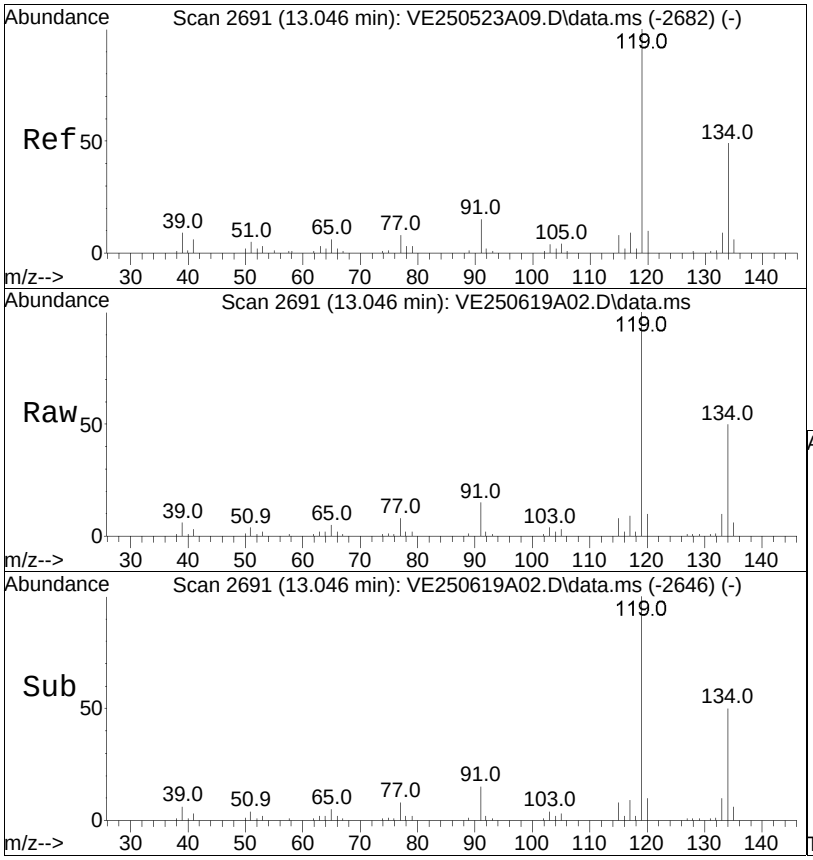


#109
1,2-Dichlorobenzene
Concen: 9.37 ug/L
RT: 12.451 min Scan# 2556
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:146 Resp: 165819

Ion	Ratio	Lower	Upper
146	100		
111	38.4	26.1	54.1
148	63.8	41.7	86.5

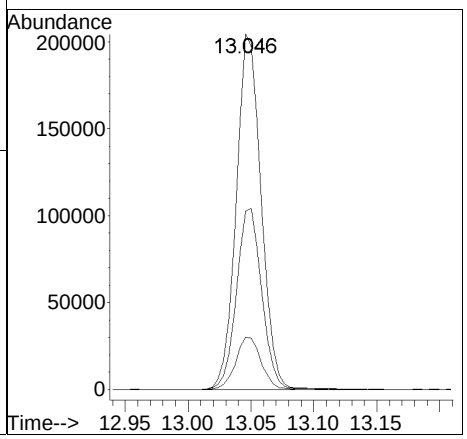


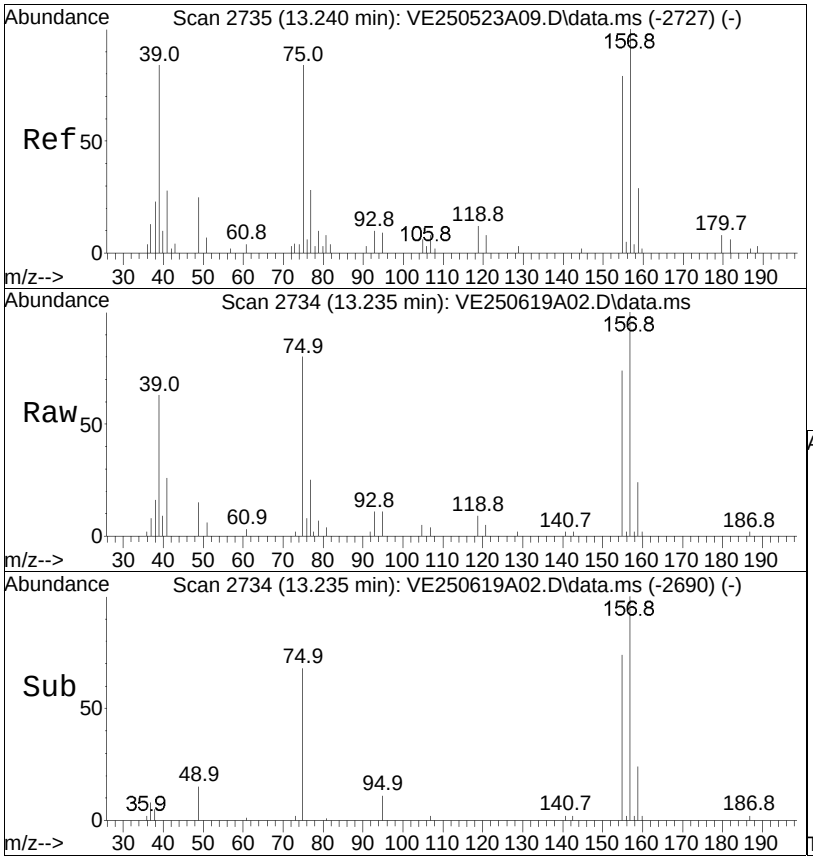


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.19 ug/L
RT: 13.046 min Scan# 2691
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:119 Resp: 280734

Ion	Ratio	Lower	Upper
119	100		
134	51.8	32.5	67.5
91	15.0	10.5	21.7

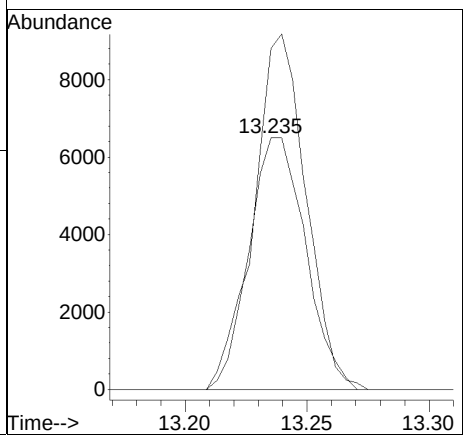


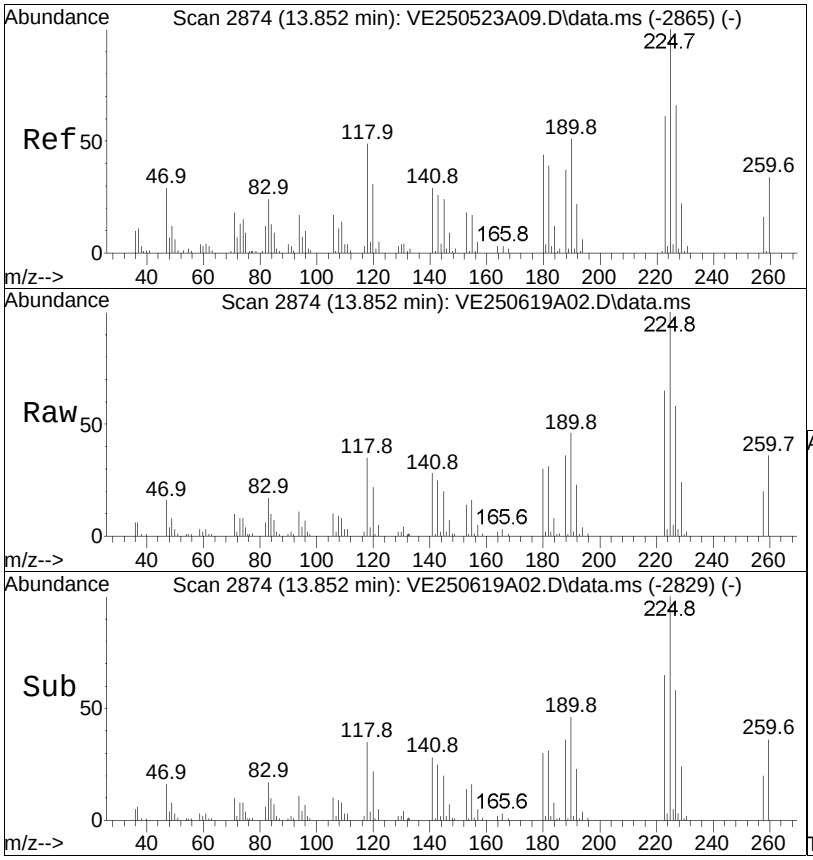


#111
1,2-Dibromo-3-chloropropane
Concen: 9.72 ug/L
RT: 13.235 min Scan# 2734
Delta R.T. -0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:155 Resp: 10476

Ion	Ratio	Lower	Upper
155	100		
157	130.1	99.5	149.3

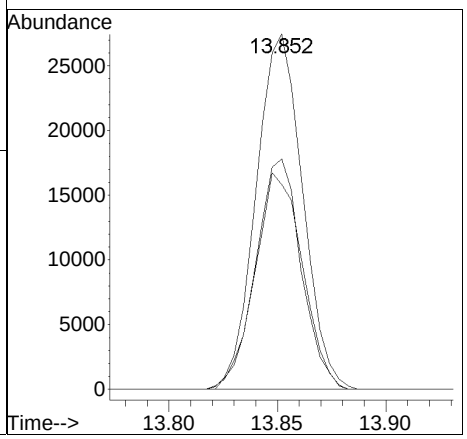


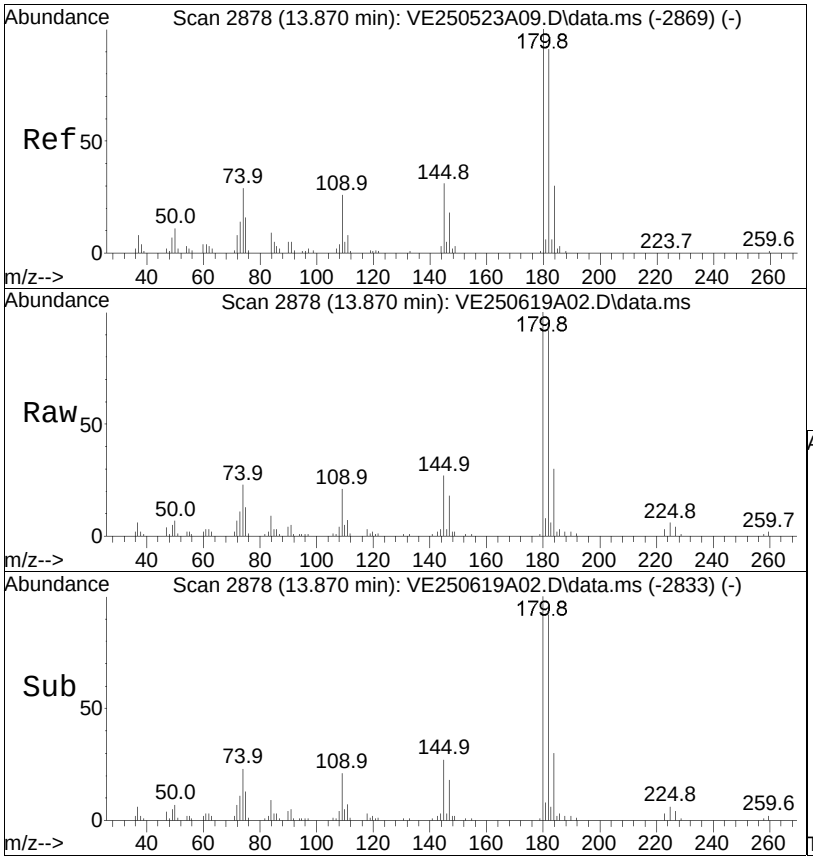


#113
Hexachlorobutadiene
Concen: 11.25 ug/L
RT: 13.852 min Scan# 2874
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:225 Resp: 41023

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.9	77.9
227	62.2	53.0	79.6

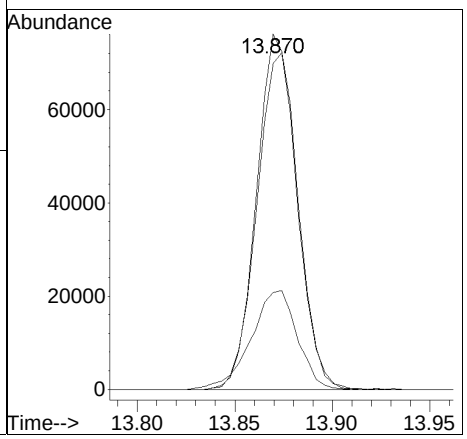


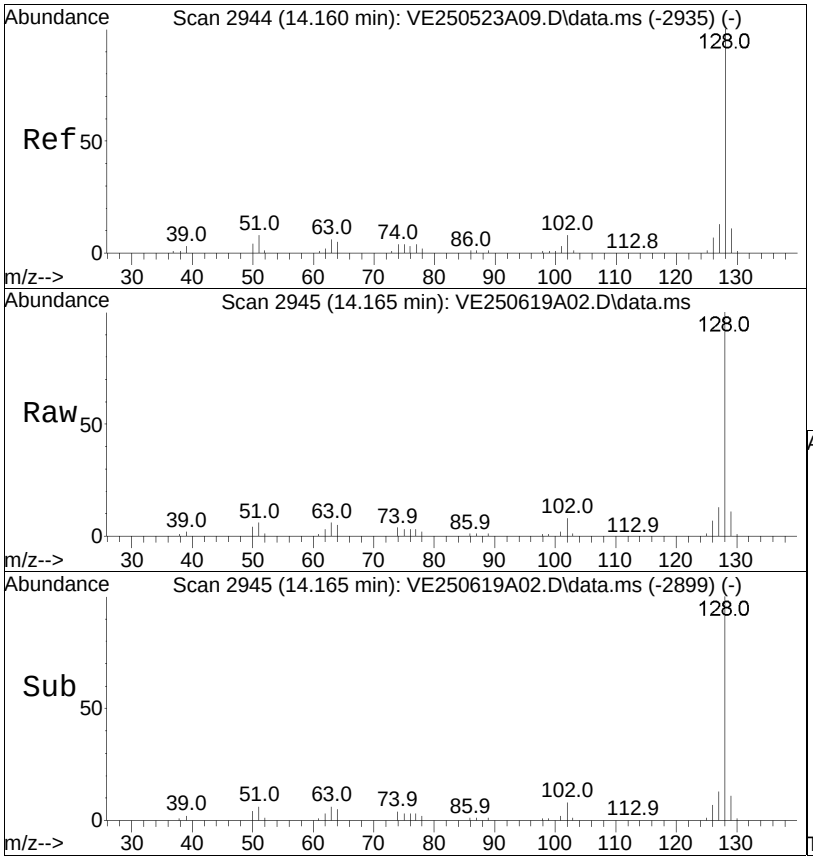


#114
1,2,4-Trichlorobenzene
Concen: 9.55 ug/L
RT: 13.870 min Scan# 2878
Delta R.T. -0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:180 Resp: 110560

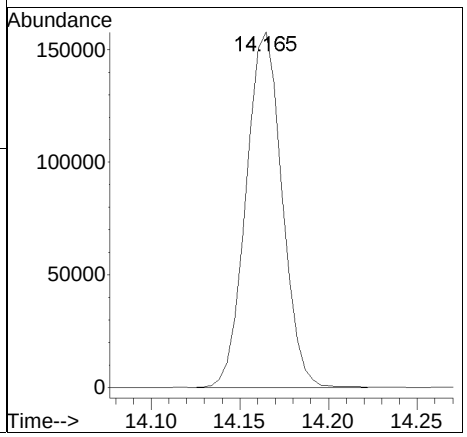
Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.3	112.9
145	31.5	26.9	40.3

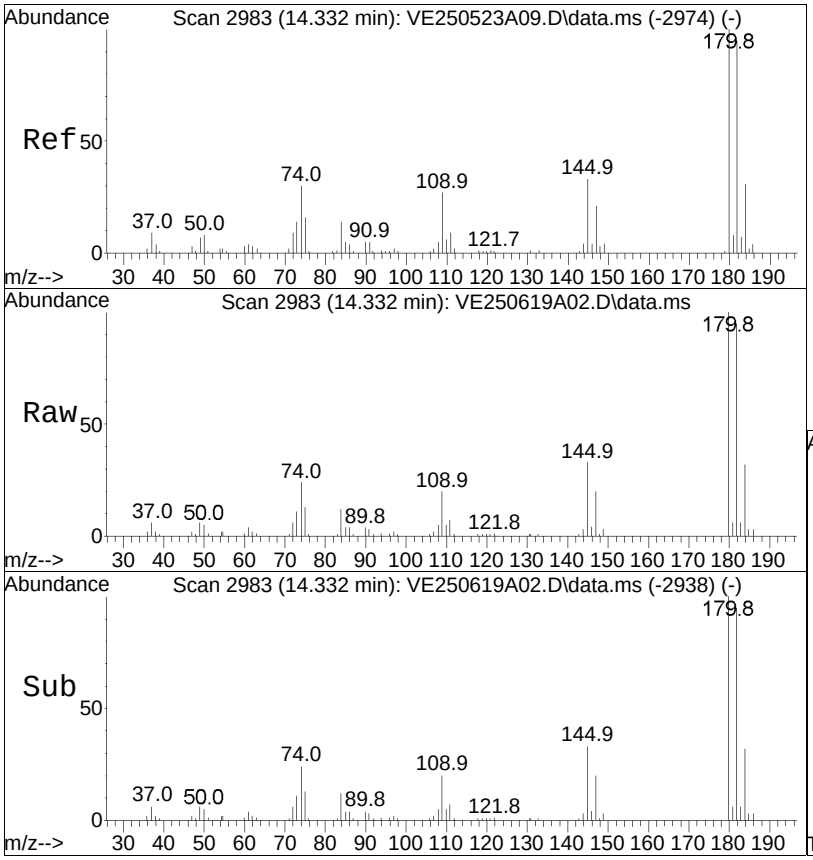




#115
Naphthalene
Concen: 8.25 ug/L
RT: 14.165 min Scan# 2945
Delta R.T. 0.004 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:128 Resp: 222873

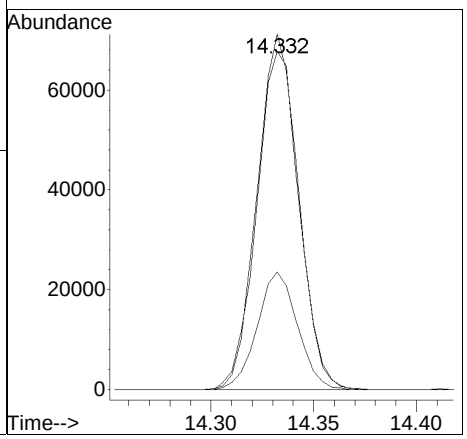




#116
1,2,3-Trichlorobenzene
Concen: 9.59 ug/L
RT: 14.332 min Scan# 2983
Delta R.T. 0.000 min
Lab File: VE250619A02.D
Acq: 19 Jun 2025 10:11 am

Tgt Ion:180 Resp: 99550

Ion	Ratio	Lower	Upper
180	100		
182	97.4	75.8	113.6
145	32.1	25.8	38.8

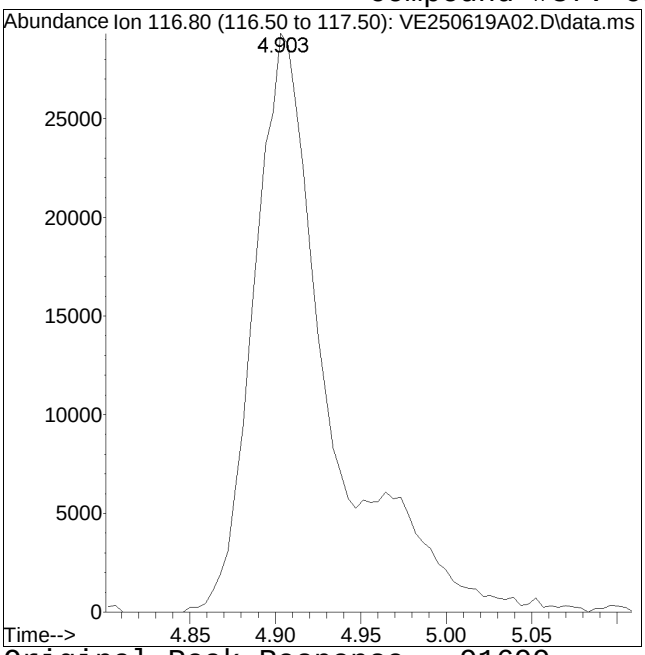


Manual Integration Report

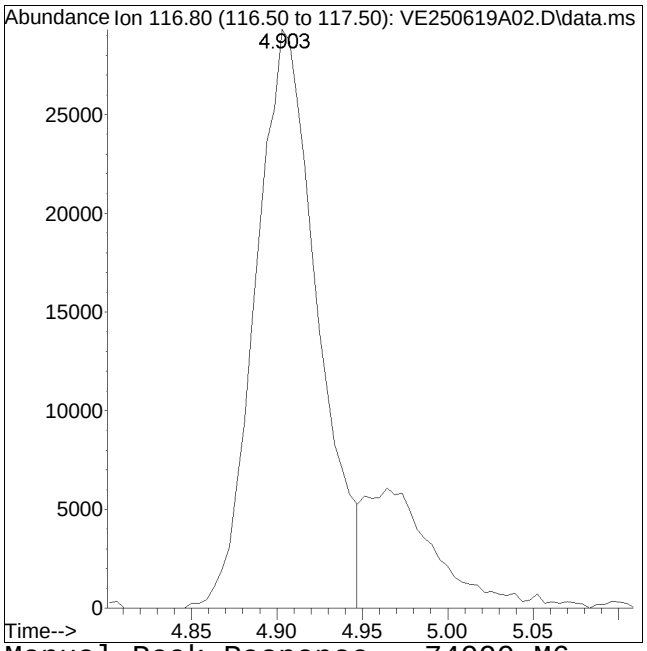
Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A02.D
Date Inj'd : 6/19/2025 10:11 am
Sample : WG2081757-4,31,10,10

QMethod : Elaine_250523A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 6/19/2025 10:53 am

Compound #37: Carbon tetrachloride



Original Peak Response = 91699



Manual Peak Response = 74090 M6

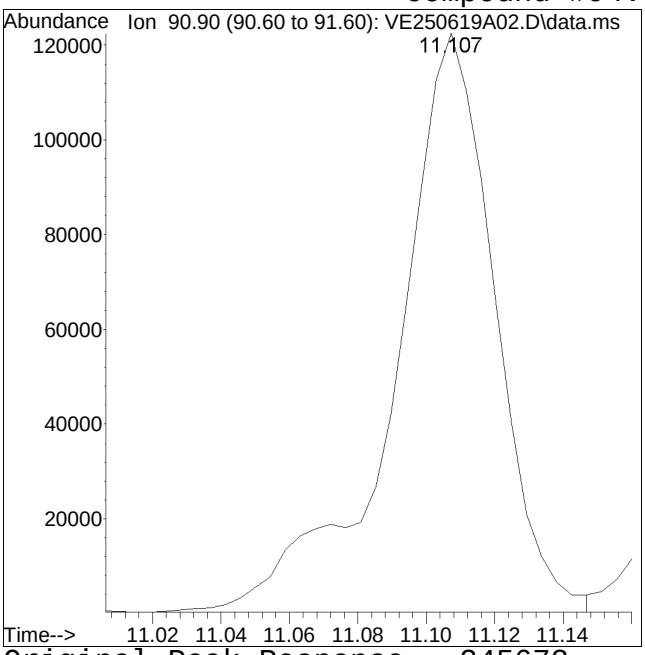
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

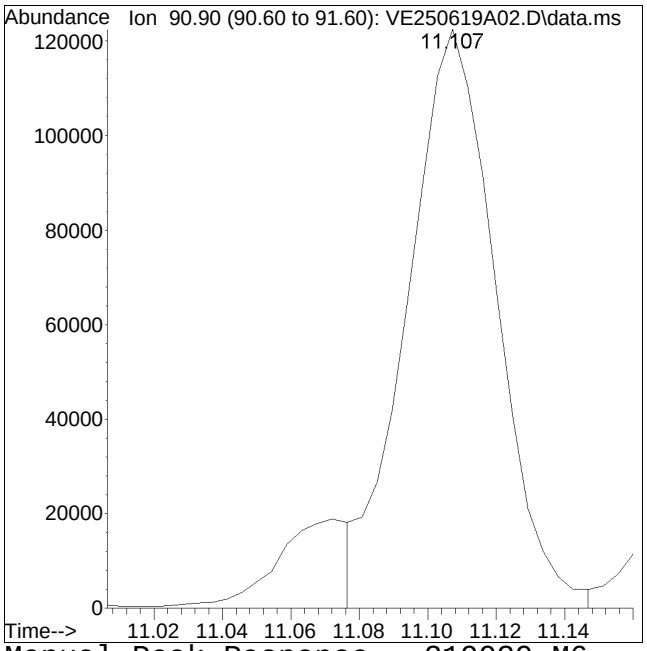
Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A02.D
Date Inj'd : 6/19/2025 10:11 am
Sample : WG2081757-4,31,10,10

QMethod : Elaine_250523A_8260.m
Operator : ELAINE:PID
Instrument : Elaine
Quant Date : 6/19/2025 10:53 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 245672



Manual Peak Response = 219939 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N03.D
Acq On : 19 Jun 2025 8:58 pm
Operator : VOA101:TMS
Sample : WG2081999-4,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 23:25:09 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	232605	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 102.11%			
59) Chlorobenzene-d5	9.337	117	177512	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 102.05%			
79) 1,4-Dichlorobenzene-d4	12.081	152	95366	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 99.71%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.034	113	61909	9.865	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.65%			
43) 1,2-Dichloroethane-d4	5.544	65	64923	10.302	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.02%			
60) Toluene-d8	7.502	98	227217	10.259	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.59%			
83) 4-Bromofluorobenzene	10.856	95	83157	10.075	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.75%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.587	85	46681	7.353	ug/L	98
3) Chloromethane	1.768	50	59853	7.886	ug/L	99
4) Vinyl chloride	1.838	62	69543	8.928	ug/L	99
5) Bromomethane	2.128	94	40055	7.438	ug/L	99
6) Chloroethane	2.239	64	69890	11.702	ug/L	97
7) Trichlorofluoromethane	2.371	101	117492	10.472	ug/L	99
8) Ethyl ether	2.658	74	39159	10.431	ug/L	87
10) 1,1-Dichloroethene	2.831	96	57186	8.329	ug/L	97
11) Carbon disulfide	2.864	76	138492	6.822	ug/L	100
15) Methylene chloride	3.369	84	54540	8.767	ug/L	90
17) Acetone	3.422	43	9741	10.003	ug/L	95
18) trans-1,2-Dichloroethene	3.522	96	54227	8.636	ug/L	99
20) Methyl tert-butyl ether	3.623	73	119258	8.333	ug/L	95
23) 1,1-Dichloroethane	4.086	63	103220	9.178	ug/L	98
25) Acrylonitrile	4.139	53	11530	9.629	ug/L	97
27) Vinyl acetate	4.323	43	86250	10.837	ug/L	96
28) cis-1,2-Dichloroethene	4.596	96	59463	8.689	ug/L	95
29) 2,2-Dichloropropane	4.696	77	59472	6.965	ug/L	91
30) Bromochloromethane	4.785	128	27853	9.050	ug/L	90
32) Chloroform	4.858	83	96153	9.078	ug/L	96

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N03.D
Acq On : 19 Jun 2025 8:58 pm
Operator : VOA101:TMS
Sample : WG2081999-4,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 23:25:09 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.986	117	70942	8.366	ug/L		99
37) 1,1,1-Trichloroethane	5.050	97	82437	8.779	ug/L		99
39) 2-Butanone	5.154	43	12729	9.626	ug/L		92
40) 1,1-Dichloropropene	5.173	75	67459	8.739	ug/L		100
41) Benzene	5.413	78	211089	9.072	ug/L	#	93
44) 1,2-Dichloroethane	5.614	62	64225	9.331	ug/L		95
48) Trichloroethene	6.007	95	58175	8.701	ug/L		98
50) Dibromomethane	6.445	93	29049	8.938	ug/L		94
51) 1,2-Dichloropropane	6.540	63	56560	9.079	ug/L		99
54) Bromodichloromethane	6.618	83	68346	8.401	ug/L		98
57) 1,4-Dioxane	6.830	88	16099	527.652	ug/L		95
58) cis-1,3-Dichloropropene	7.298	75	72292	7.731	ug/L		98
61) Toluene	7.560	92	134815	9.217	ug/L		96
62) 4-Methyl-2-pentanone	7.998	58	11336	9.064	ug/L		88
63) Tetrachloroethene	8.006	166	59584	9.136	ug/L		97
65) trans-1,3-Dichloropropene	8.045	75	57697	8.108	ug/L		97
68) 1,1,2-Trichloroethane	8.227	83	34278	9.517	ug/L		99
69) Chlorodibromomethane	8.439	129	48139	8.369	ug/L		100
70) 1,3-Dichloropropane	8.547	76	70880	9.900	ug/L		99
71) 1,2-Dibromoethane	8.715	107	39415	9.327	ug/L		98
72) 2-Hexanone	9.002	43	17834	8.513	ug/L	#	95
73) Chlorobenzene	9.356	112	157857	9.341	ug/L		99
74) Ethylbenzene	9.395	91	264268	9.364	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.440	131	55260	8.916	ug/L		98
76) p/m Xylene	9.582	106	210387	18.486	ug/L		98
77) o Xylene	10.126	106	204448	18.313	ug/L		97
78) Styrene	10.198	104	327628	18.368	ug/L		98
80) Bromoform	10.229	173	25489	7.489	ug/L		100
82) Isopropylbenzene	10.522	105	260848	9.561	ug/L		99
84) Bromobenzene	10.968	156	63997	9.613	ug/L		99
85) n-Propylbenzene	11.013	91	305370	9.832	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.105	83	48478	10.127	ug/L		99
88) 4-Ethyltoluene	11.138	105	253311	9.694	ug/L		99
89) 2-Chlorotoluene	11.180	91	177988	9.646	ug/L		98
90) 1,3,5-Trimethylbenzene	11.241	105	211299	9.473	ug/L		100
91) 1,2,3-Trichloropropane	11.241	75	34732	9.446	ug/L		95
92) trans-1,4-Dichloro-2-b...	11.300	53	9048	8.216	ug/L	#	72
93) 4-Chlorotoluene	11.367	91	179587	9.621	ug/L		100
94) tert-Butylbenzene	11.584	119	180309	9.561	ug/L		99

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N03.D
Acq On : 19 Jun 2025 8:58 pm
Operator : VOA101:TMS
Sample : WG2081999-4,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 23:25:09 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.665	105	205191	9.540	ug/L	100
98) sec-Butylbenzene	11.777	105	257460	9.634	ug/L	100
99) p-Isopropyltoluene	11.933	119	216880	9.488	ug/L	99
100) 1,3-Dichlorobenzene	12.003	146	118789	9.697	ug/L	100
101) 1,4-Dichlorobenzene	12.097	146	121146	9.613	ug/L	99
102) p-Diethylbenzene	12.312	119	120828	9.272	ug/L	99
103) n-Butylbenzene	12.371	91	178759	9.867	ug/L	98
104) 1,2-Dichlorobenzene	12.521	146	107063	9.856	ug/L	99
105) 1,2,4,5-Tetramethylben...	13.112	119	160717	8.748	ug/L	99
106) 1,2-Dibromo-3-chloropr...	13.308	155	5441	8.094	ug/L	99
108) Hexachlorobutadiene	13.918	225	23286	8.722	ug/L	99
109) 1,2,4-Trichlorobenzene	13.943	180	51948	8.837	ug/L	98
110) Naphthalene	14.236	128	100112	9.423	ug/L	100
111) 1,2,3-Trichlorobenzene	14.404	180	41594	9.257	ug/L	100

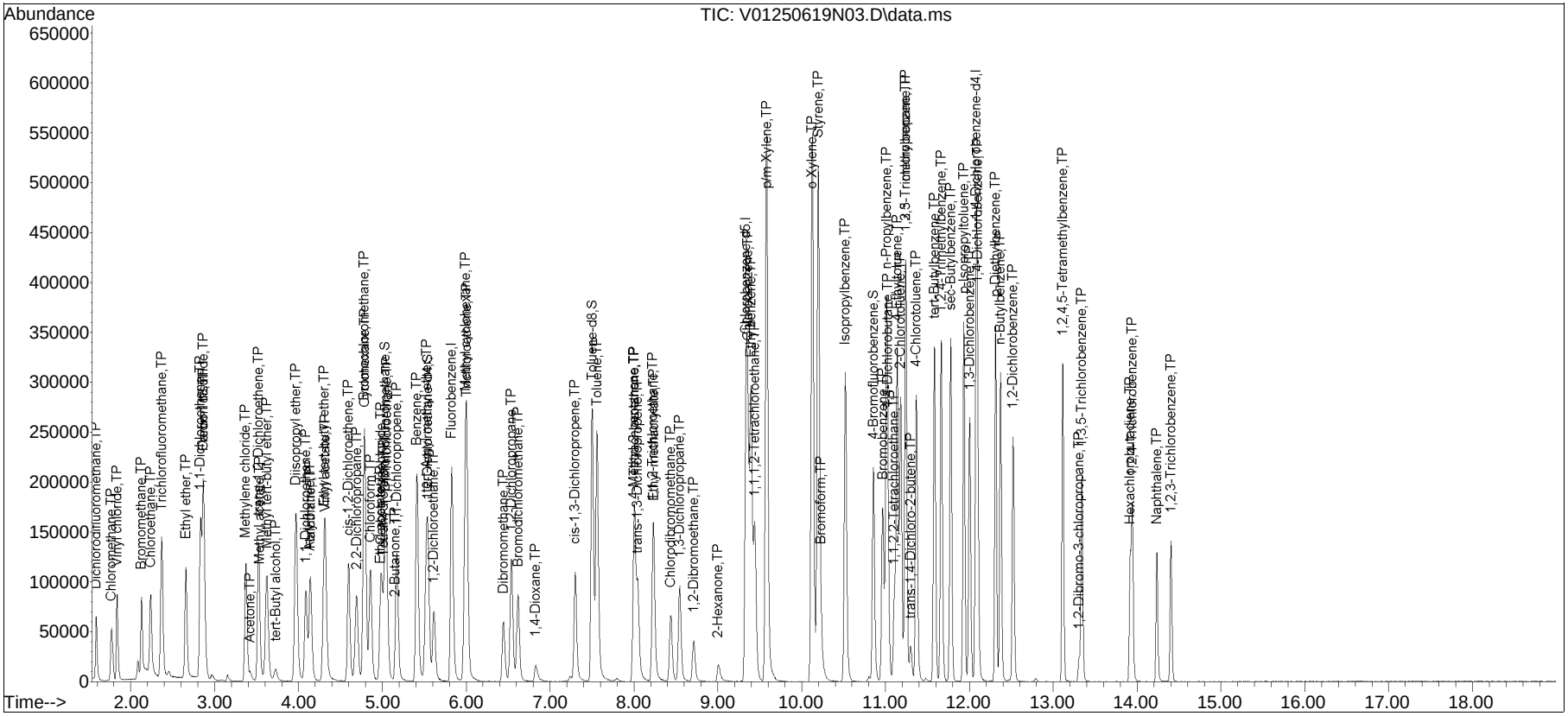
(#) = qualifier out of range (m) = manual integration (+) = signals summed

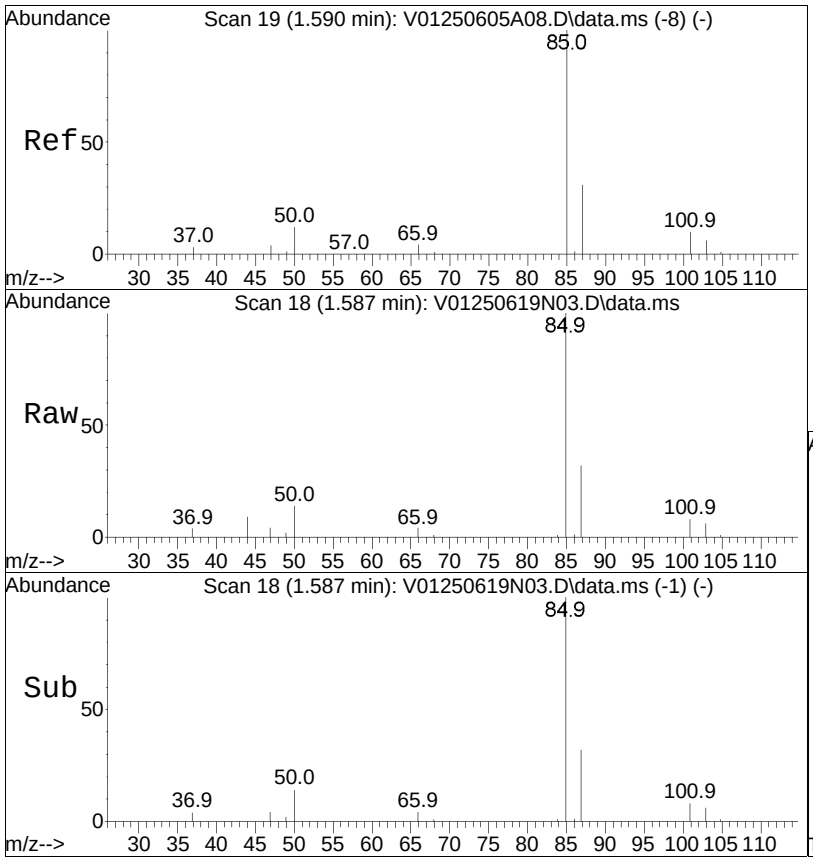
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N03.D
Acq On : 19 Jun 2025 8:58 pm
Operator : VOA101:TMS
Sample : WG2081999-4,31,10,10
Misc : WG2081999,ICAL22345
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 19 23:25:09 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

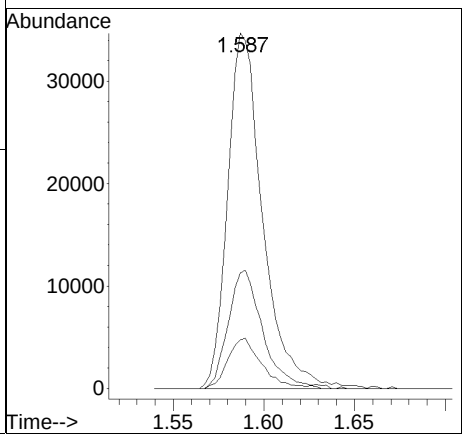


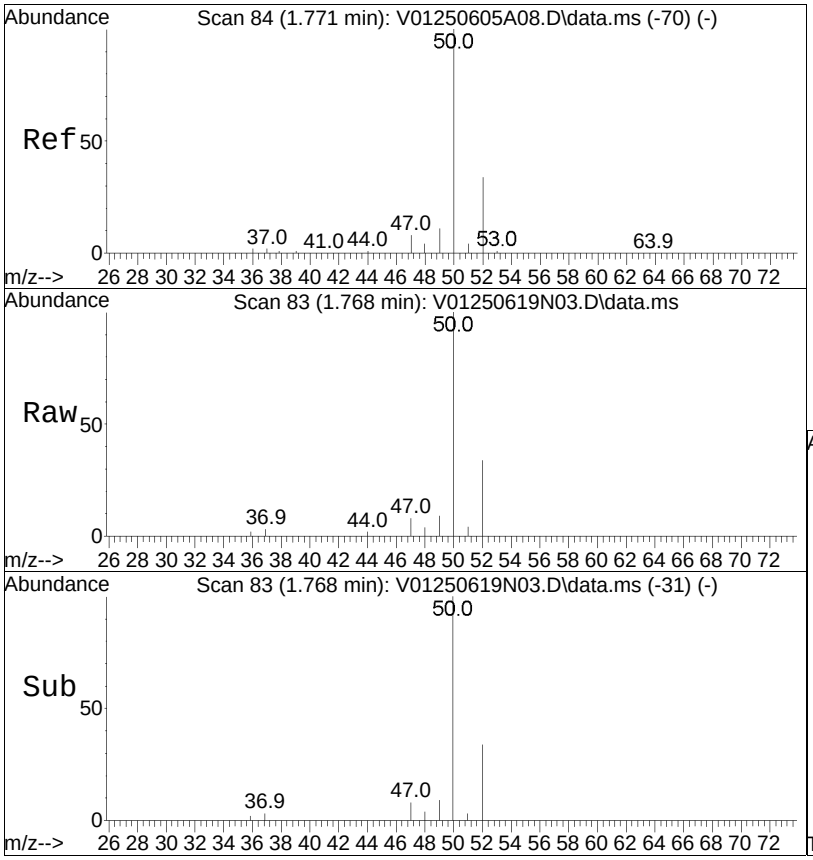


#2
Dichlorodifluoromethane
Concen: 7.35 ug/L
RT: 1.587 min Scan# 18
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 85 Resp: 46681

Ion	Ratio	Lower	Upper
85	100		
87	32.7	20.7	43.1
50	13.6	8.3	17.3

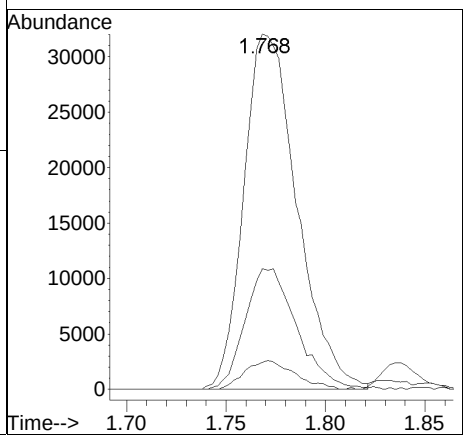


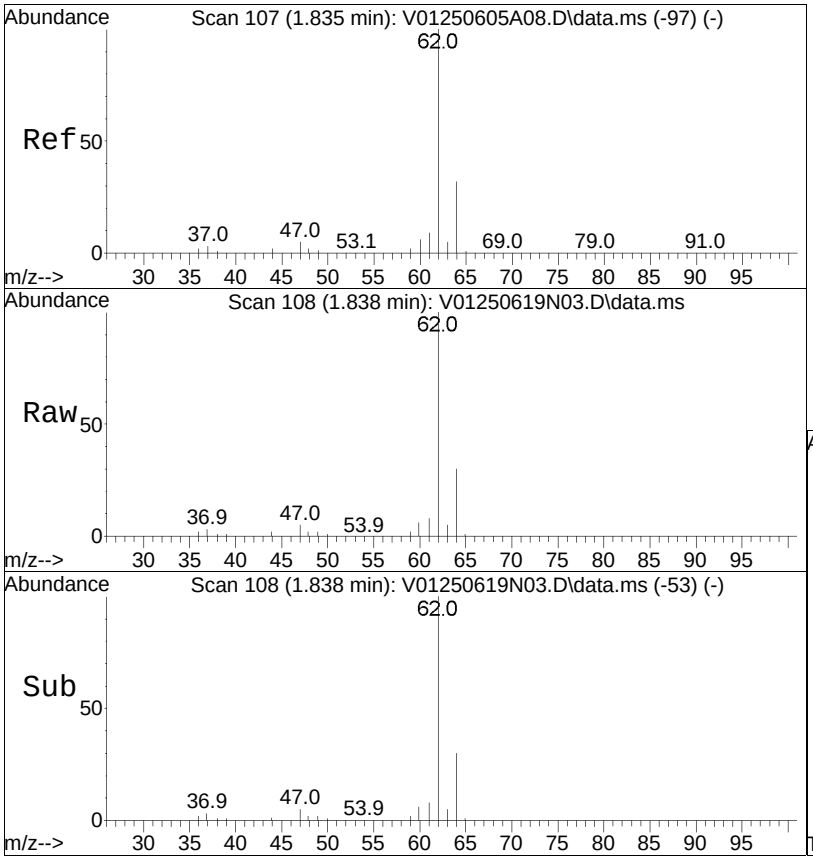


#3
Chloromethane
Concen: 7.89 ug/L
RT: 1.768 min Scan# 83
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 50 Resp: 59853

Ion	Ratio	Lower	Upper
50	100		
52	33.0	12.6	52.6
47	7.6	0.0	28.1

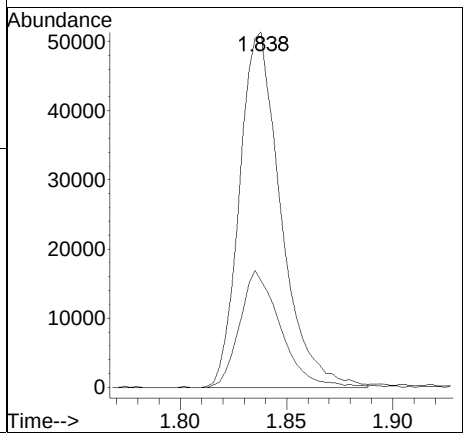


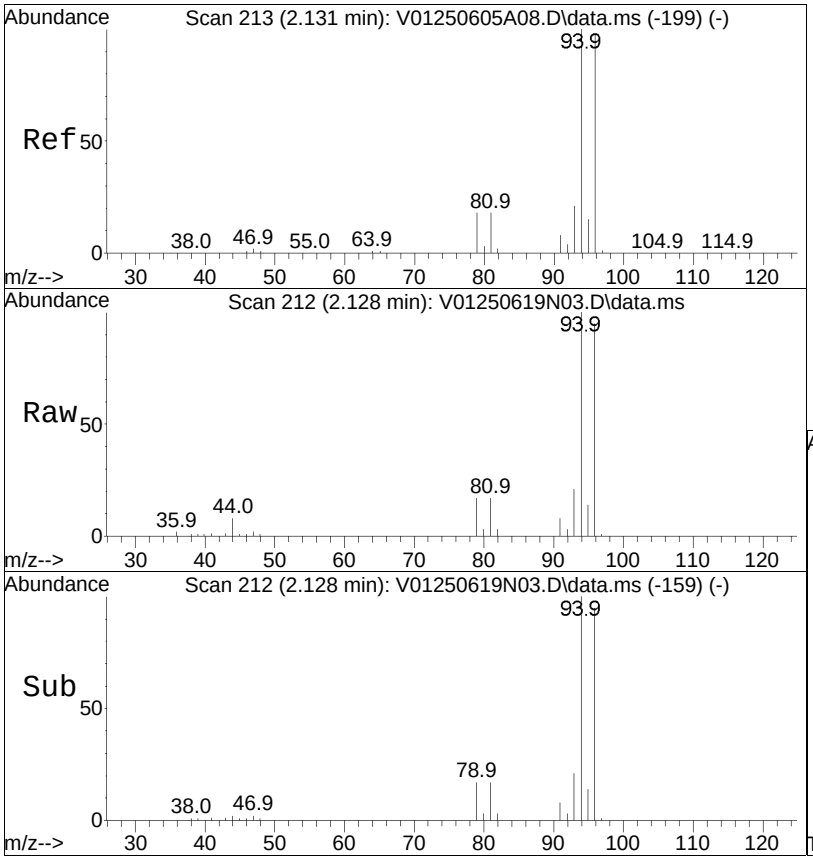


#4
Vinyl chloride
Concen: 8.93 ug/L
RT: 1.838 min Scan# 108
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 62 Resp: 69543

Ion	Ratio	Lower	Upper
62	100		
64	32.7	12.4	52.4

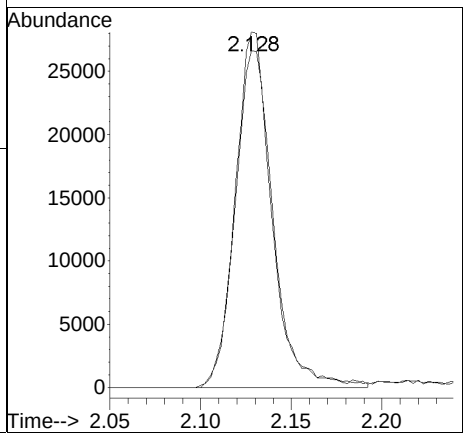


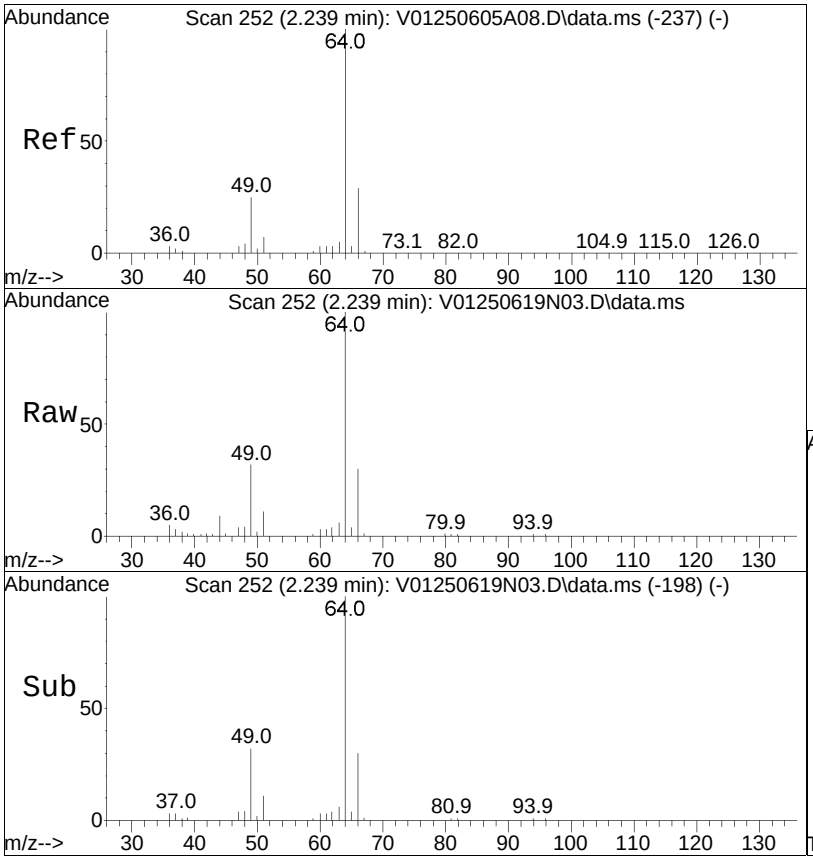


#5
Bromomethane
Concen: 7.44 ug/L
RT: 2.128 min Scan# 212
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 94 Resp: 40055

Ion	Ratio	Lower	Upper
94	100		
96	94.9	76.1	116.1

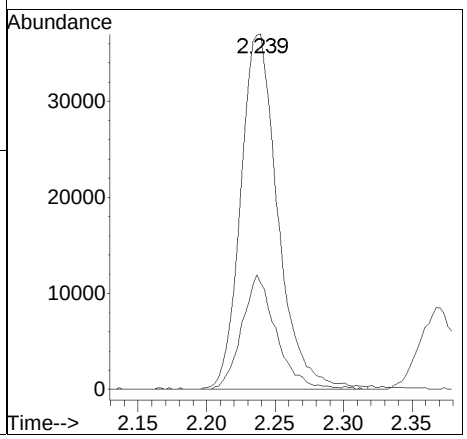


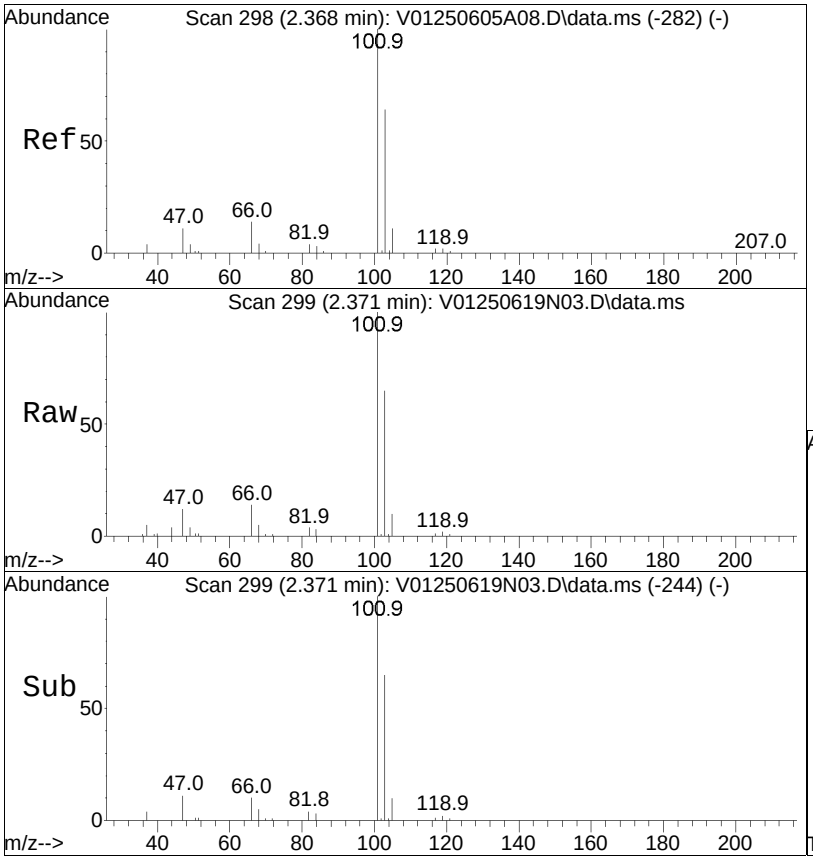


#6
Chloroethane
Concen: 11.70 ug/L
RT: 2.239 min Scan# 252
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 64 Resp: 69890

Ion	Ratio	Lower	Upper
64	100		
66	29.8	11.5	51.5

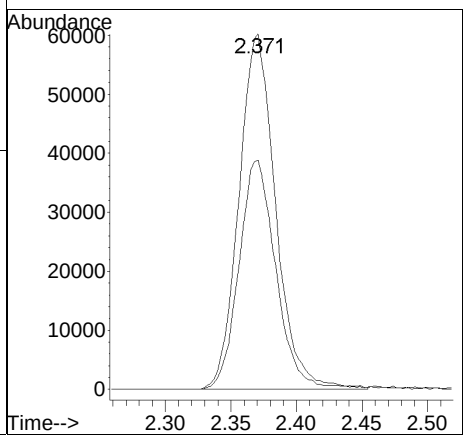


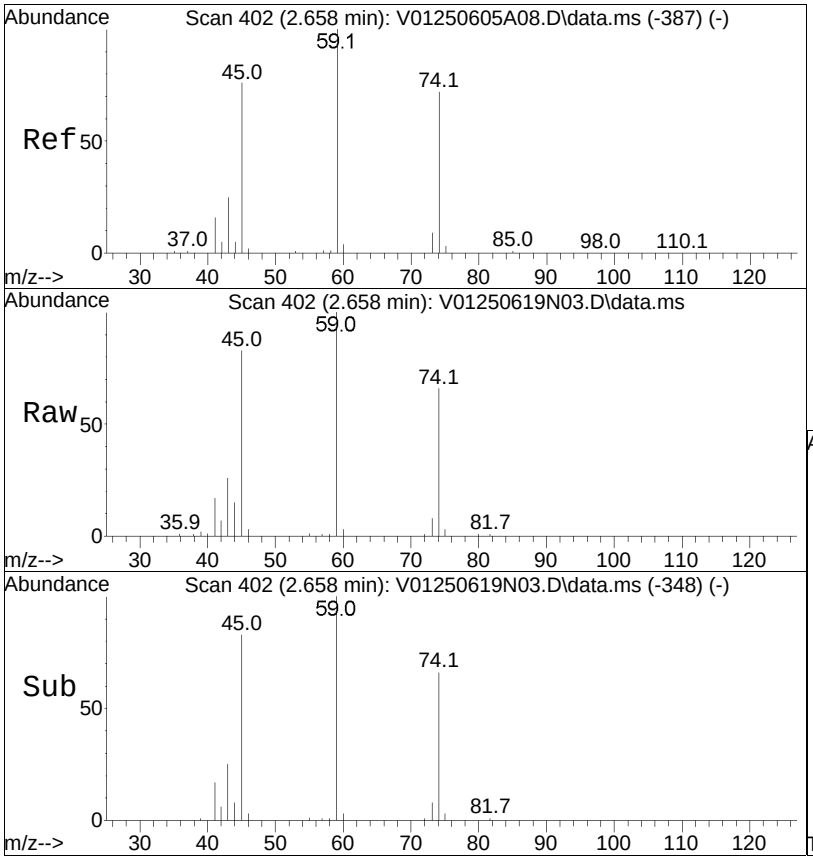


#7
Trichlorofluoromethane
Concen: 10.47 ug/L
RT: 2.371 min Scan# 299
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:101 Resp: 117492

Ion	Ratio	Lower	Upper
101	100		
103	64.1	52.2	78.2

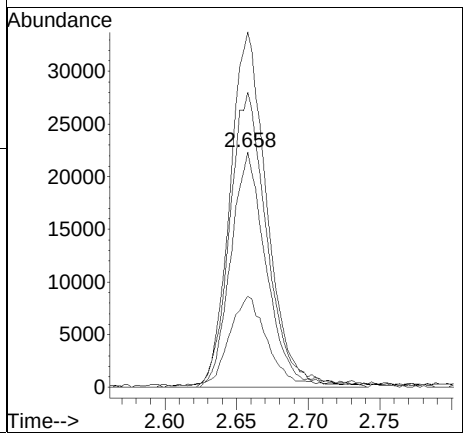


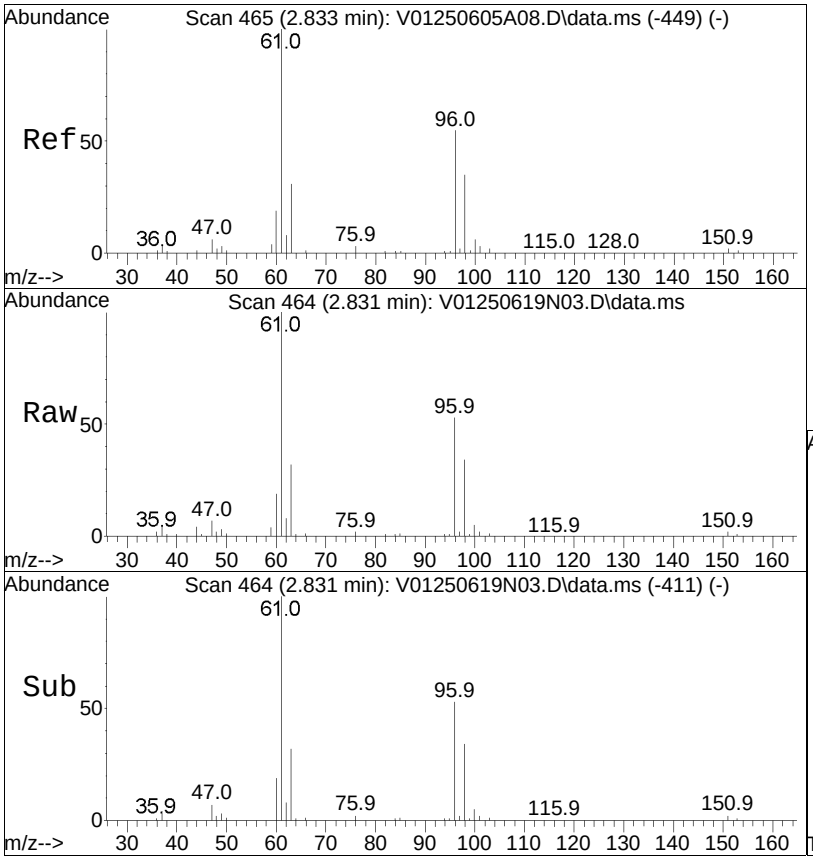


#8
Ethyl ether
Concen: 10.43 ug/L
RT: 2.658 min Scan# 402
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 74 Resp: 39159

Ion	Ratio	Lower	Upper
74	100		
59	154.7	93.0	193.2
45	127.2	69.7	144.7
43	39.6	21.6	44.8

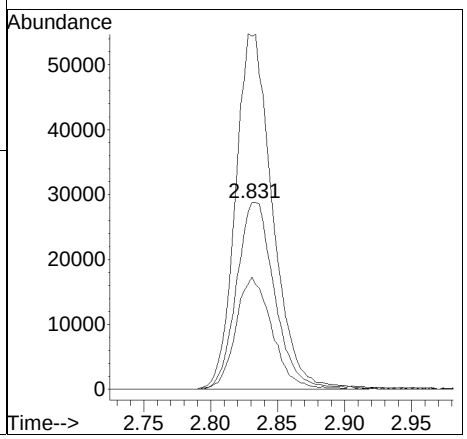


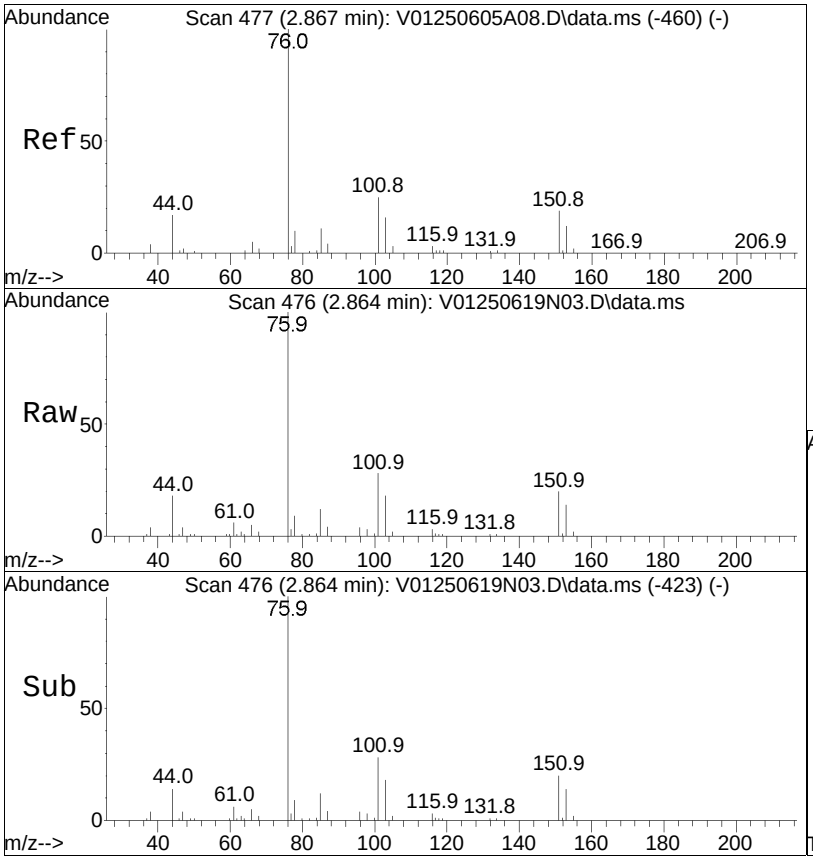


#10
1,1-Dichloroethene
Concen: 8.33 ug/L
RT: 2.831 min Scan# 464
Delta R.T. -0.002 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 96 Resp: 57186

Ion	Ratio	Lower	Upper
96	100		
61	184.5	142.6	214.0
63	57.3	45.5	68.3

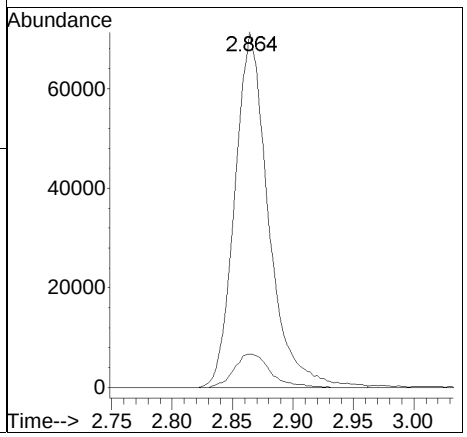


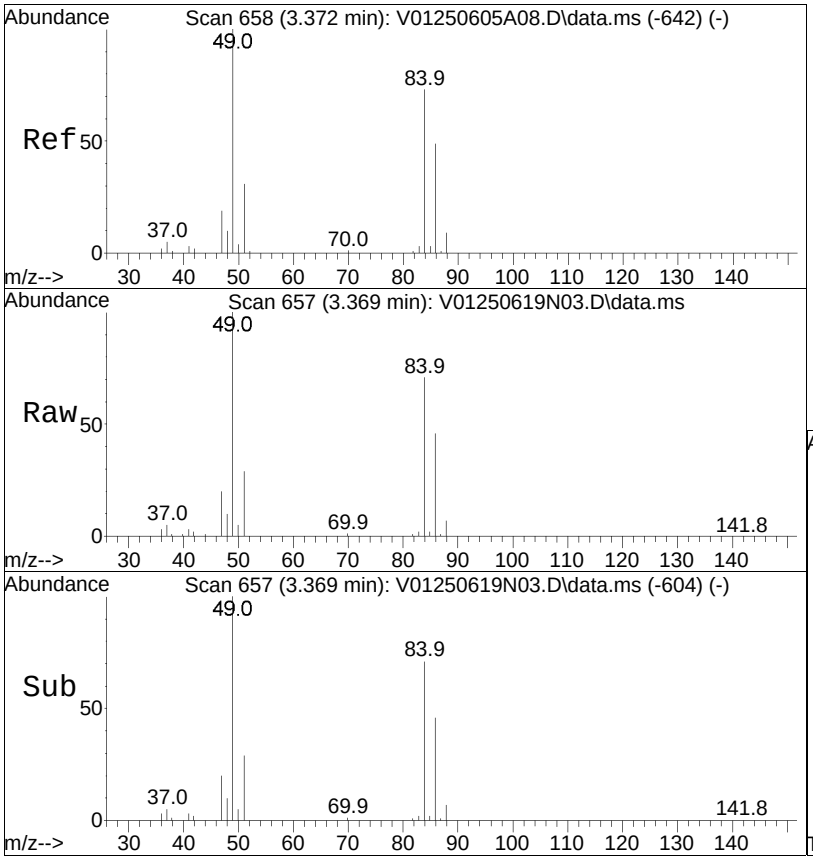


#11
Carbon disulfide
Concen: 6.82 ug/L
RT: 2.864 min Scan# 476
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 76 Resp: 138492

Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.6	13.8

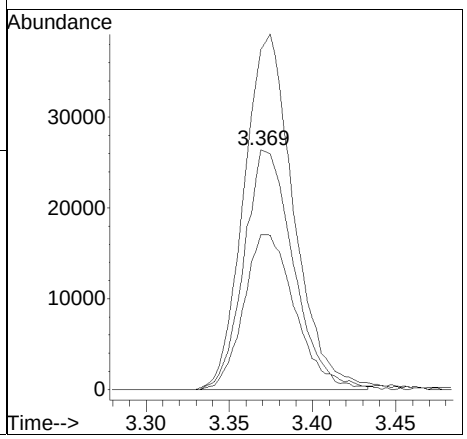


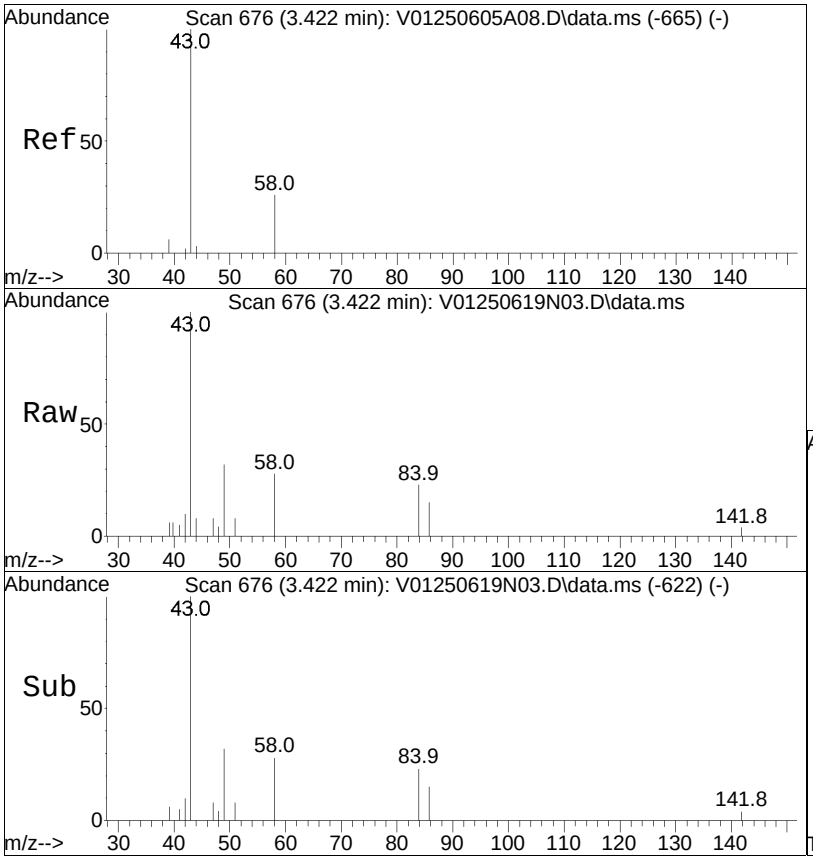


#15
Methylene chloride
Concen: 8.77 ug/L
RT: 3.369 min Scan# 657
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 84 Resp: 54540

Ion	Ratio	Lower	Upper
84	100		
86	67.2	42.3	87.8
49	149.7	87.1	180.9

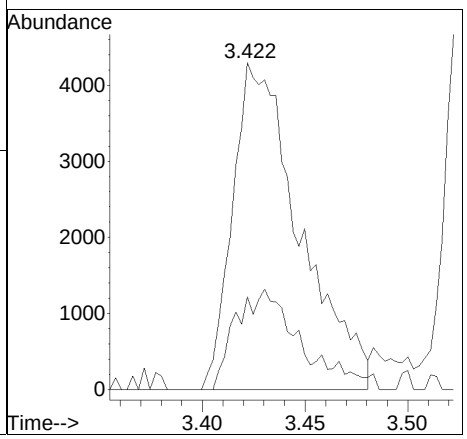


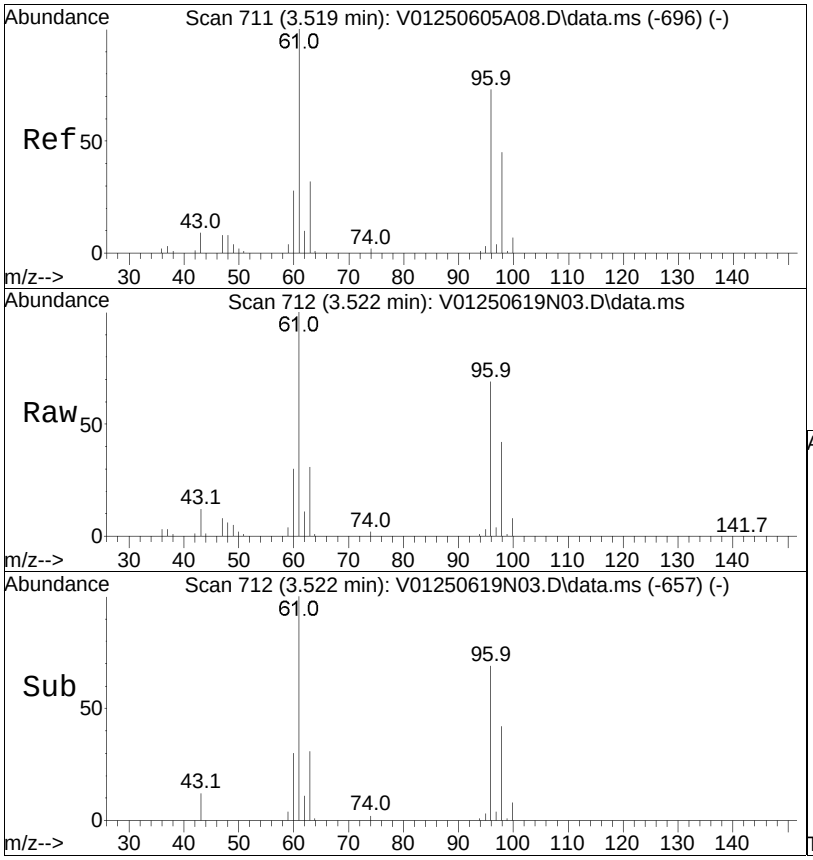


#17
Acetone
Concen: 10.00 ug/L
RT: 3.422 min Scan# 676
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 43 Resp: 9741

Ion	Ratio	Lower	Upper
43	100		
58	27.3	24.0	36.0

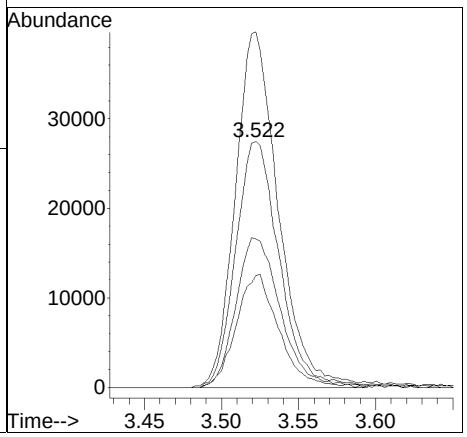


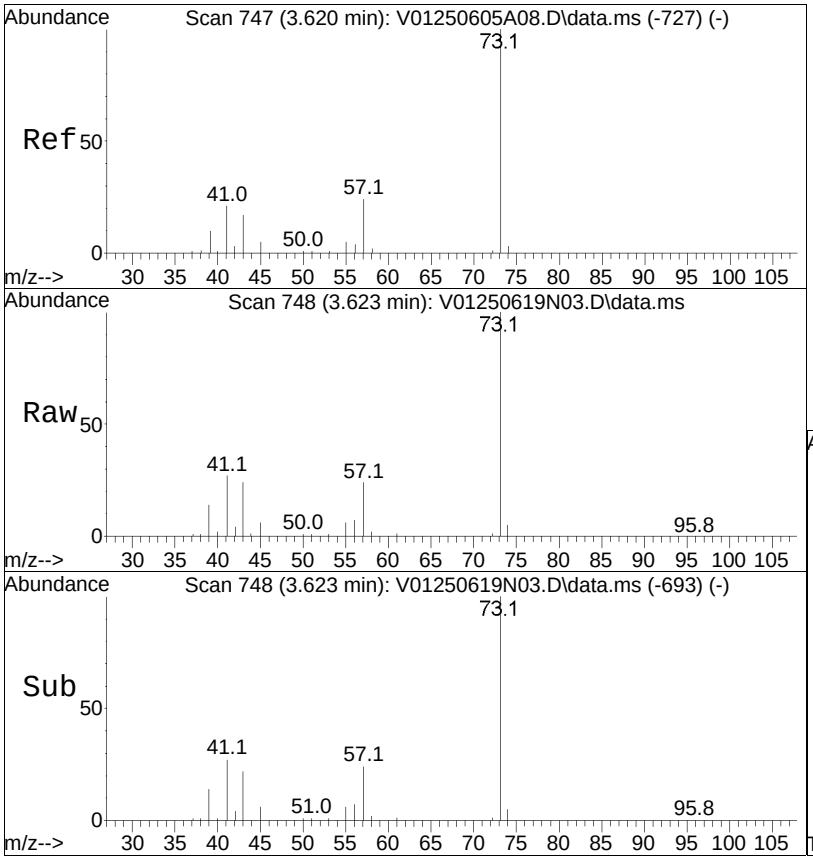


#18
trans-1,2-Dichloroethene
Concen: 8.64 ug/L
RT: 3.522 min Scan# 712
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 96 Resp: 54227

Ion	Ratio	Lower	Upper
96	100		
61	142.2	92.2	191.6
98	62.2	41.5	86.3
63	44.9	28.9	60.1

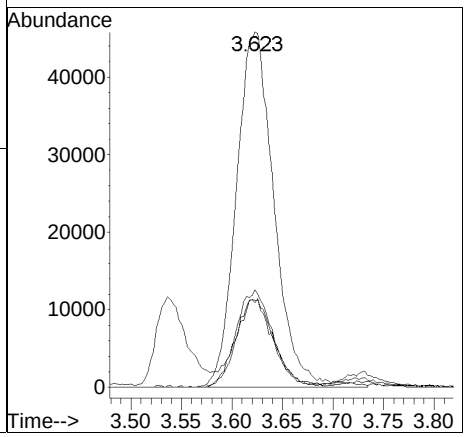


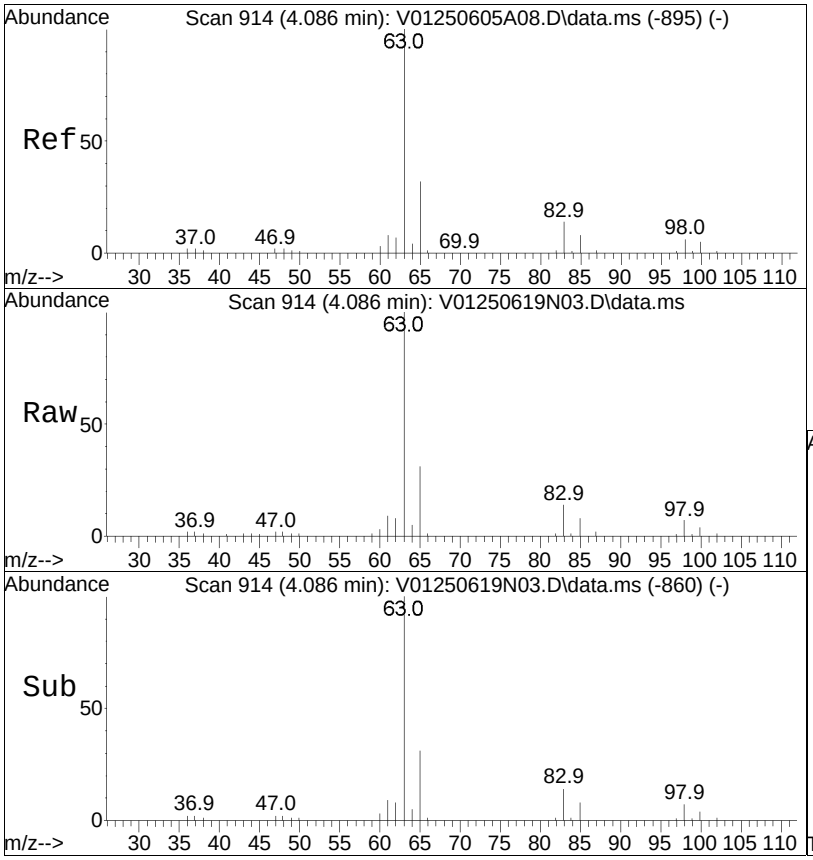


#20
Methyl tert-butyl ether
Concen: 8.33 ug/L
RT: 3.623 min Scan# 748
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 73 Resp: 119258

Ion	Ratio	Lower	Upper
73	100		
57	24.5	15.7	32.5
43	22.9	14.4	29.8
41	27.3	13.8	28.6

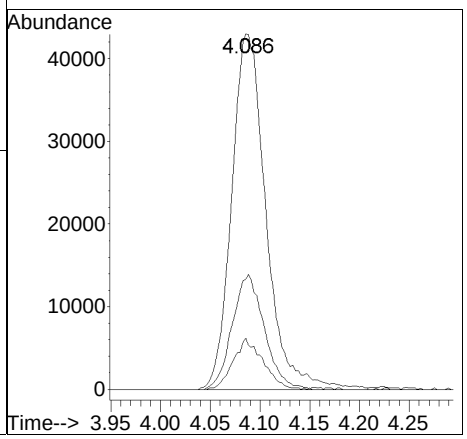


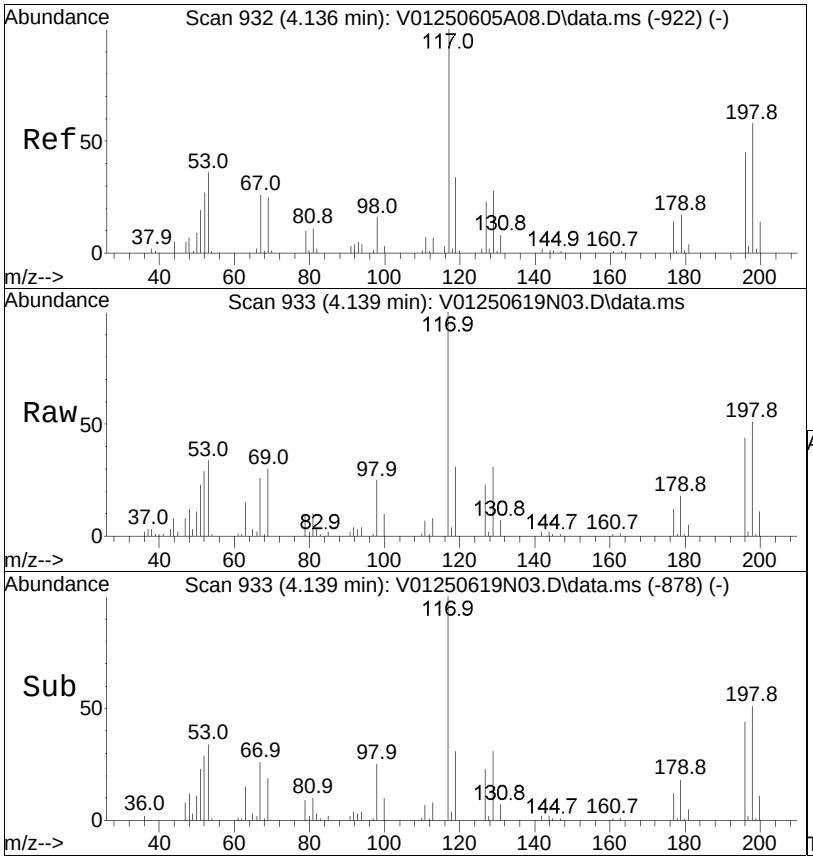


#23
1,1-Dichloroethane
Concen: 9.18 ug/L
RT: 4.086 min Scan# 914
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 63 Resp: 103220

Ion	Ratio	Lower	Upper
63	100		
65	30.2	11.6	51.6
83	12.5	0.0	33.3

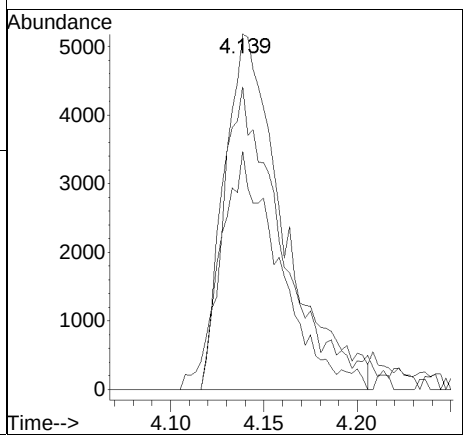


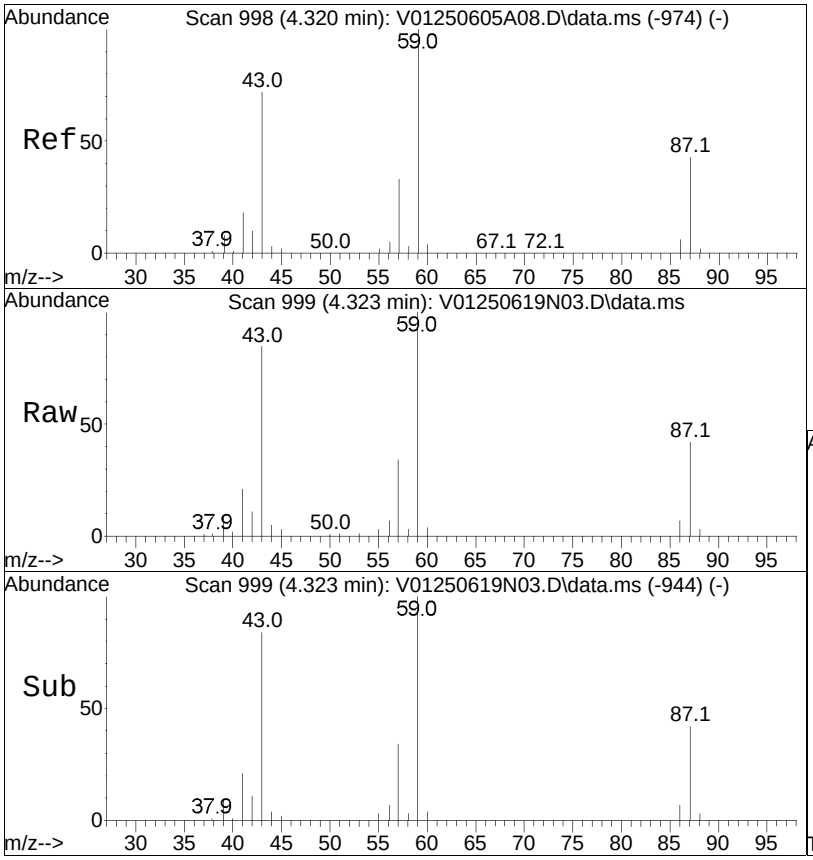


#25
Acrylonitrile
Concen: 9.63 ug/L
RT: 4.139 min Scan# 933
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 53 Resp: 11530

Ion	Ratio	Lower	Upper
53	100		
52	82.2	68.2	102.4
51	64.1	52.3	78.5

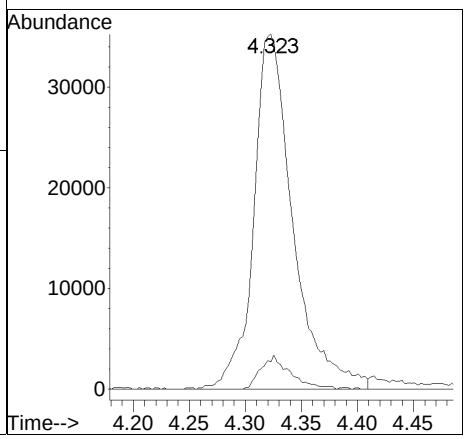


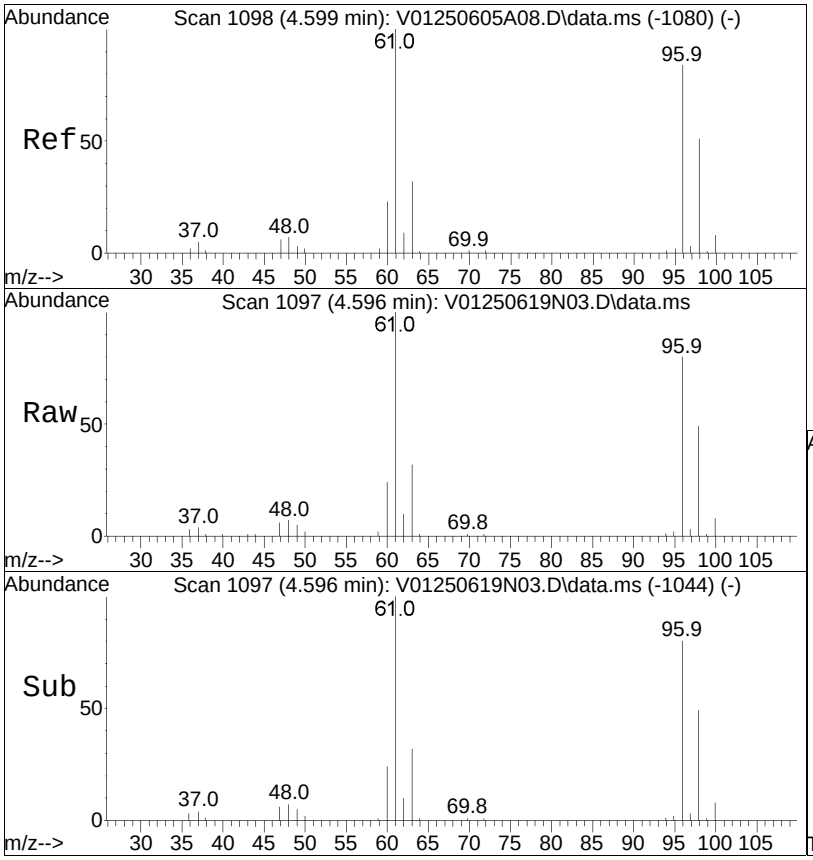


#27
Vinyl acetate
Concen: 10.84 ug/L
RT: 4.323 min Scan# 999
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 43 Resp: 86250

Ion	Ratio	Lower	Upper
43	100		
86	7.2	6.8	10.2

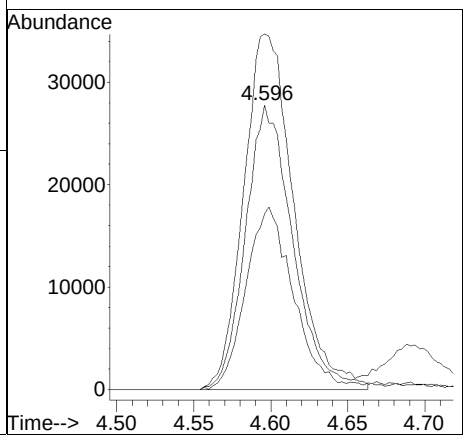


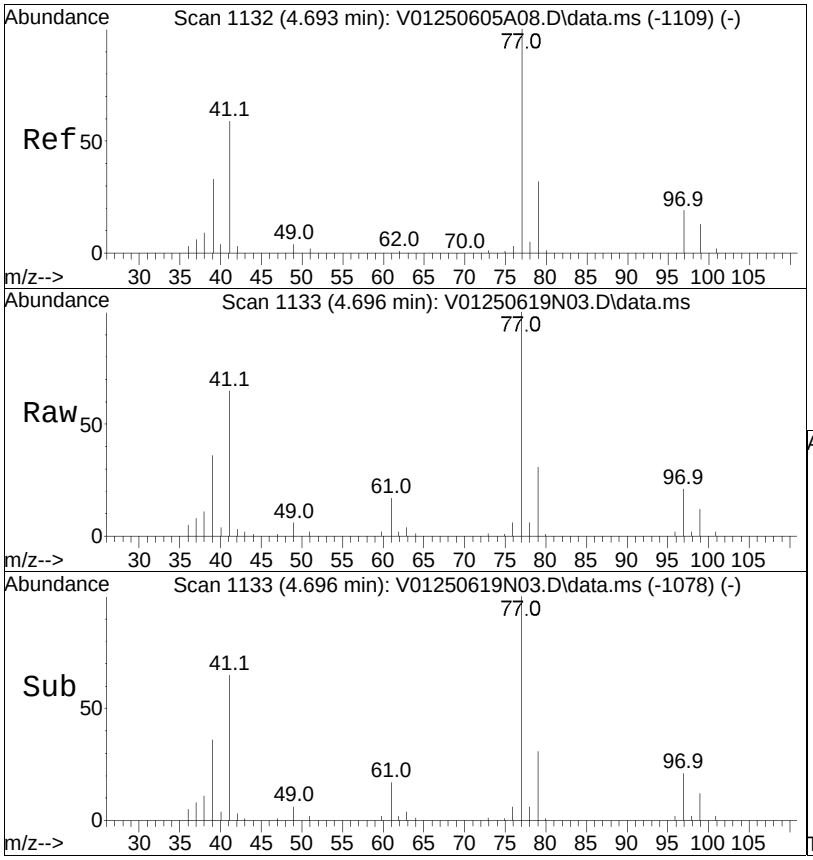


#28
cis-1,2-Dichloroethene
Concen: 8.69 ug/L
RT: 4.596 min Scan# 1097
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 96 Resp: 59463

Ion	Ratio	Lower	Upper
96	100		
61	132.4	99.3	148.9
98	64.0	50.5	75.7

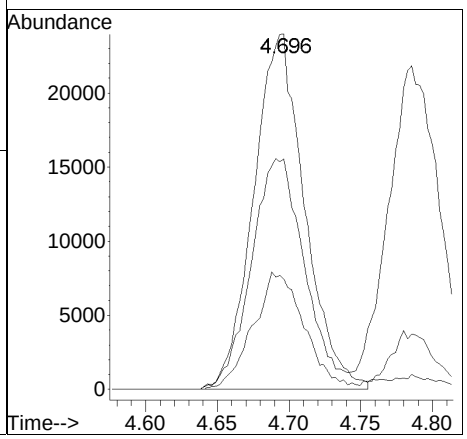


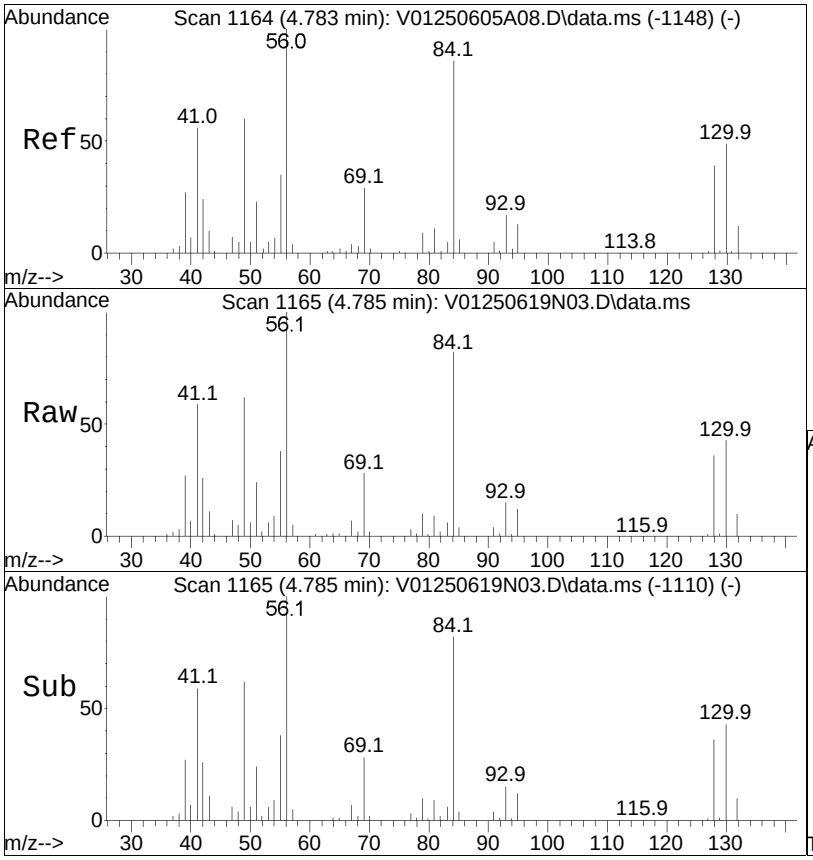


#29
2,2-Dichloropropane
Concen: 6.97 ug/L
RT: 4.696 min Scan# 1133
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 77 Resp: 59472

Ion	Ratio	Lower	Upper
77	100		
41	67.7	37.4	77.8
79	33.2	21.3	44.1

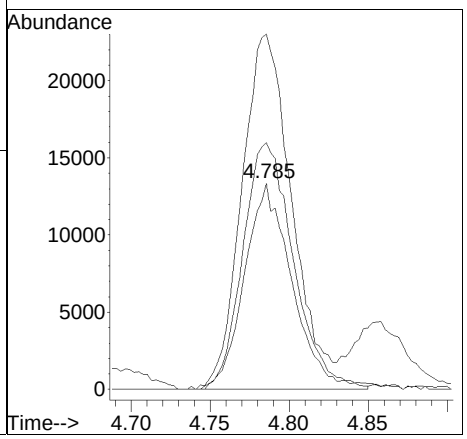


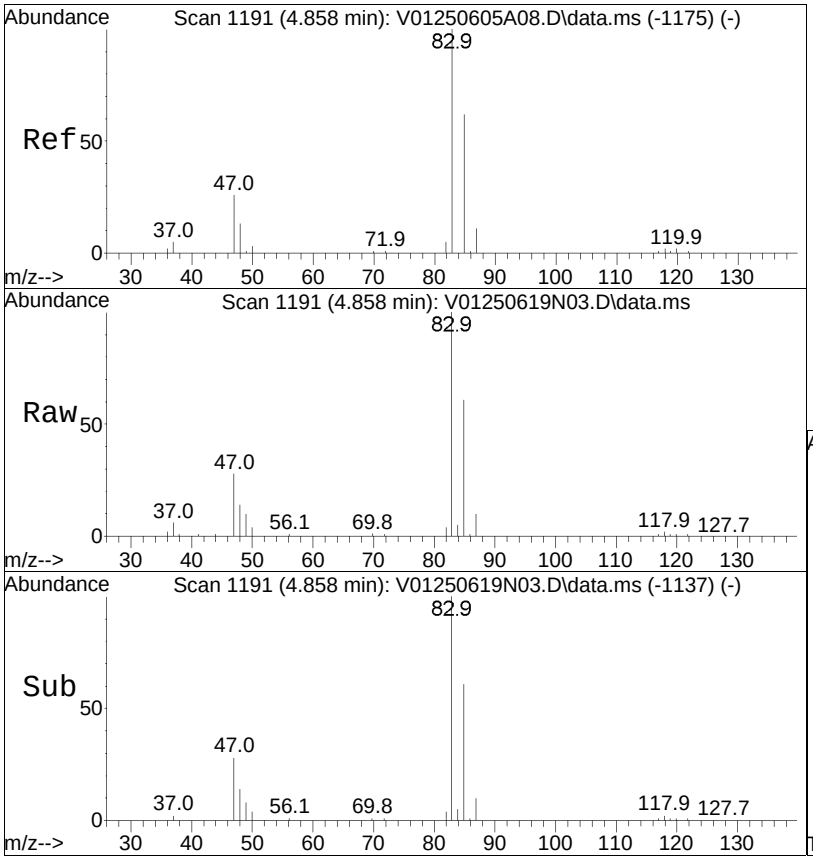


#30
Bromochloromethane
Concen: 9.05 ug/L
RT: 4.785 min Scan# 1165
Delta R.T. 0.002 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:128 Resp: 27853

Ion	Ratio	Lower	Upper
128	100		
49	180.7	125.2	187.8
130	128.8	103.0	154.6

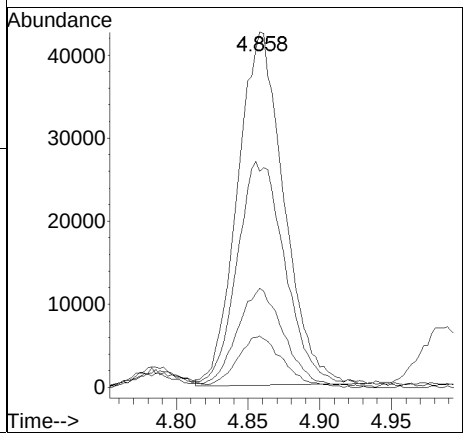


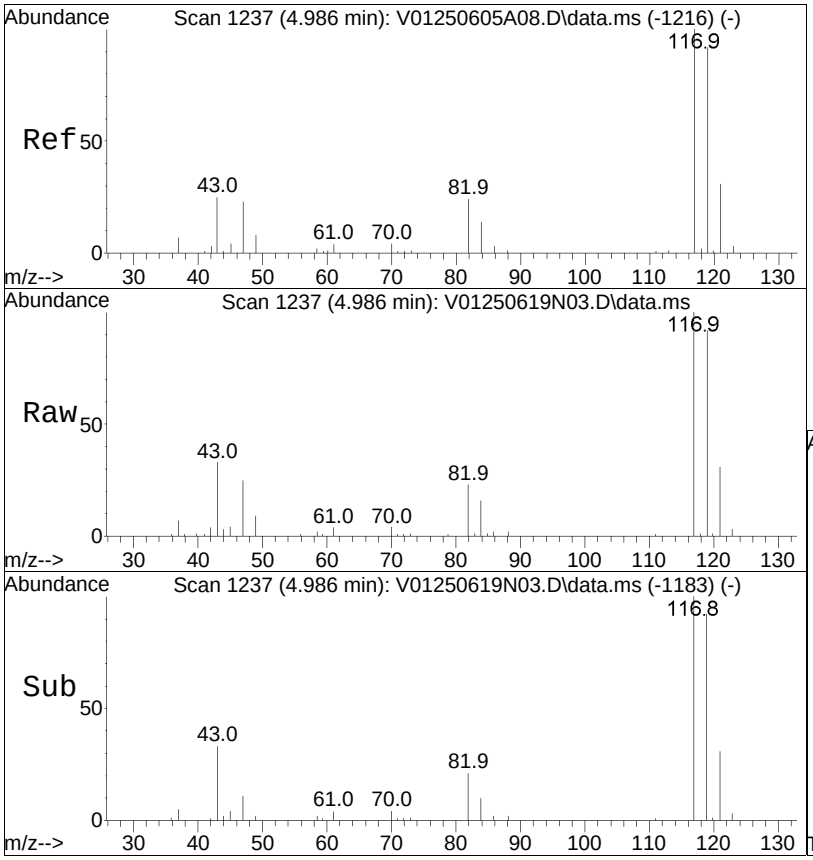


#32
Chloroform
Concen: 9.08 ug/L
RT: 4.858 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 83 Resp: 96153

Ion	Ratio	Lower	Upper
83	100		
85	62.8	42.8	88.8
47	28.8	16.5	34.3
48	14.3	9.2	19.0

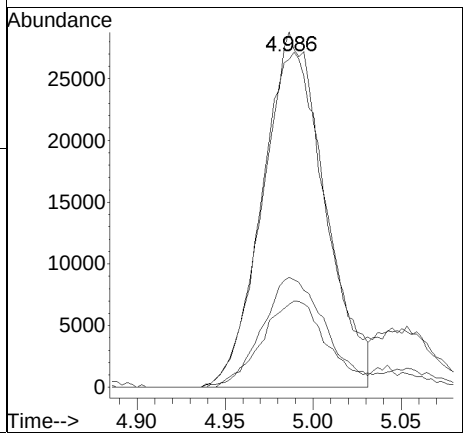


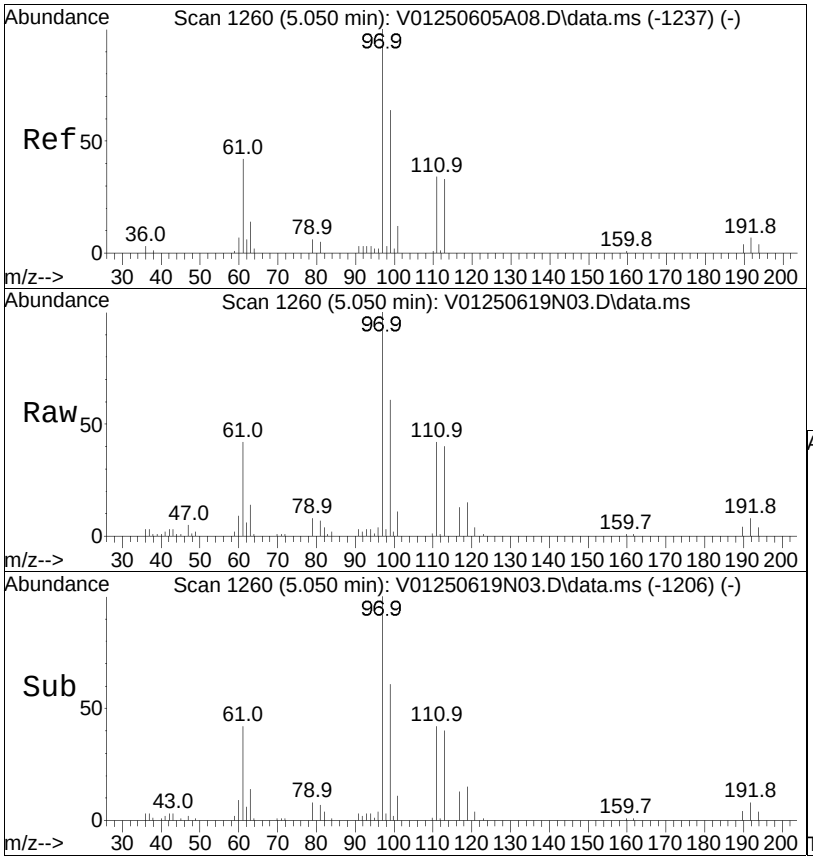


#34
Carbon tetrachloride
Concen: 8.37 ug/L
RT: 4.986 min Scan# 1237
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:117 Resp: 70942

Ion	Ratio	Lower	Upper
117	100		
119	96.1	61.4	127.6
121	31.3	20.1	41.7
82	25.7	16.1	33.3

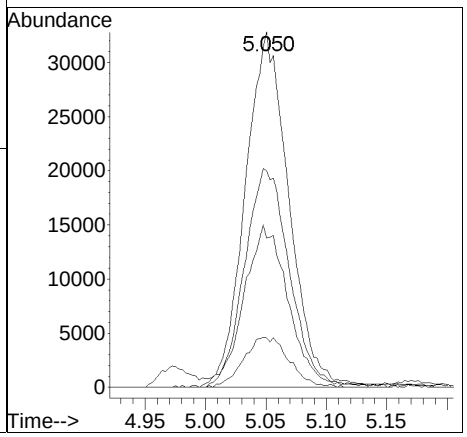


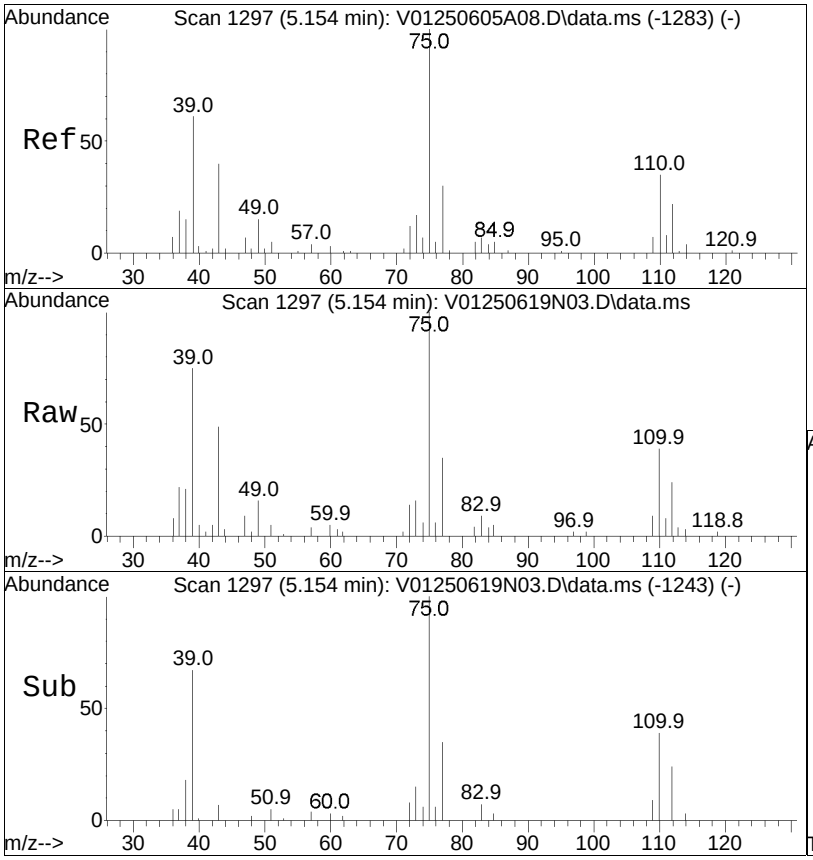


#37
1,1,1-Trichloroethane
Concen: 8.78 ug/L
RT: 5.050 min Scan# 1260
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 97 Resp: 82437

Ion	Ratio	Lower	Upper
97	100		
99	63.2	41.6	86.4
61	44.7	28.5	59.3
63	14.7	9.4	19.4

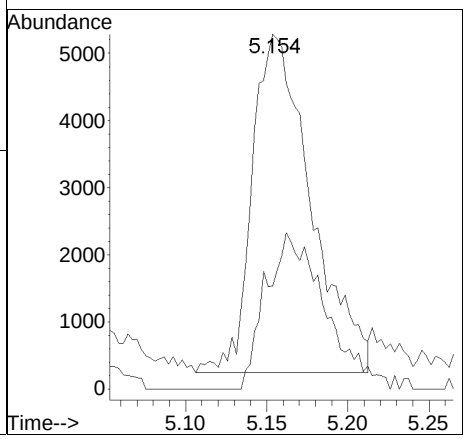


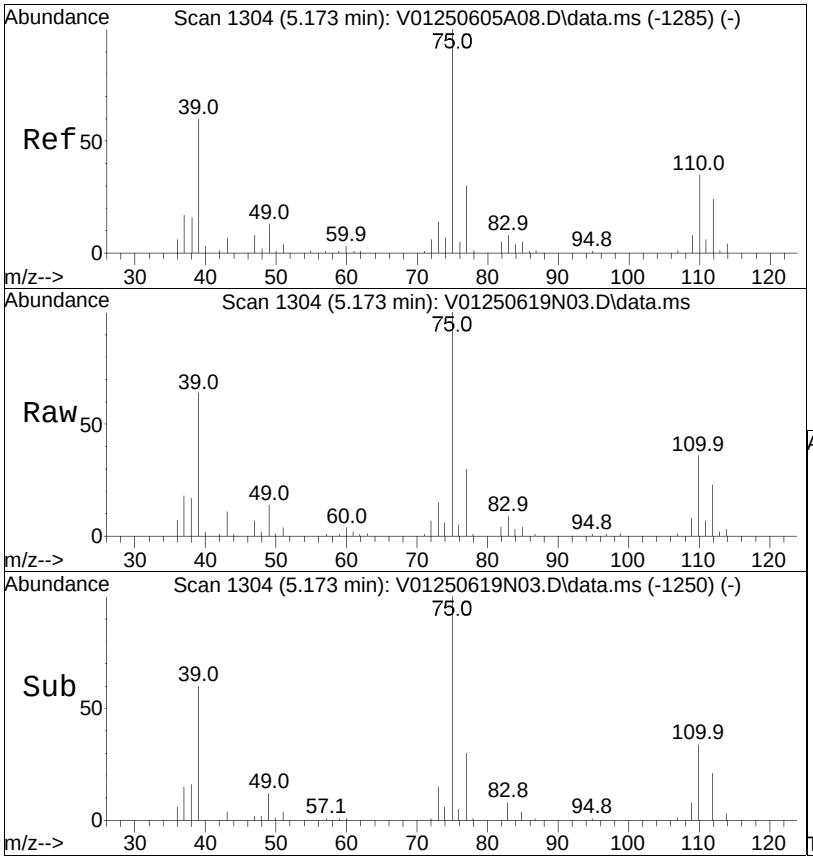


#39
2-Butanone
Concen: 9.63 ug/L
RT: 5.154 min Scan# 1297
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 43 Resp: 12729

Ion	Ratio	Lower	Upper
43	100		
72	46.5	41.4	62.2

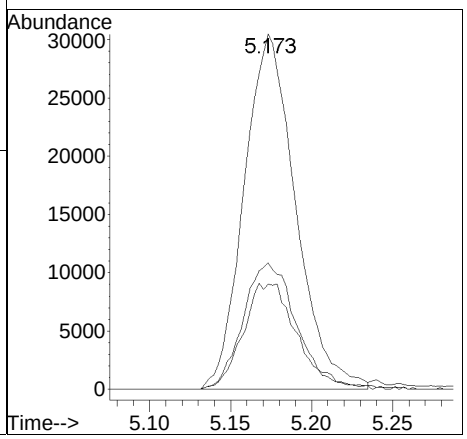


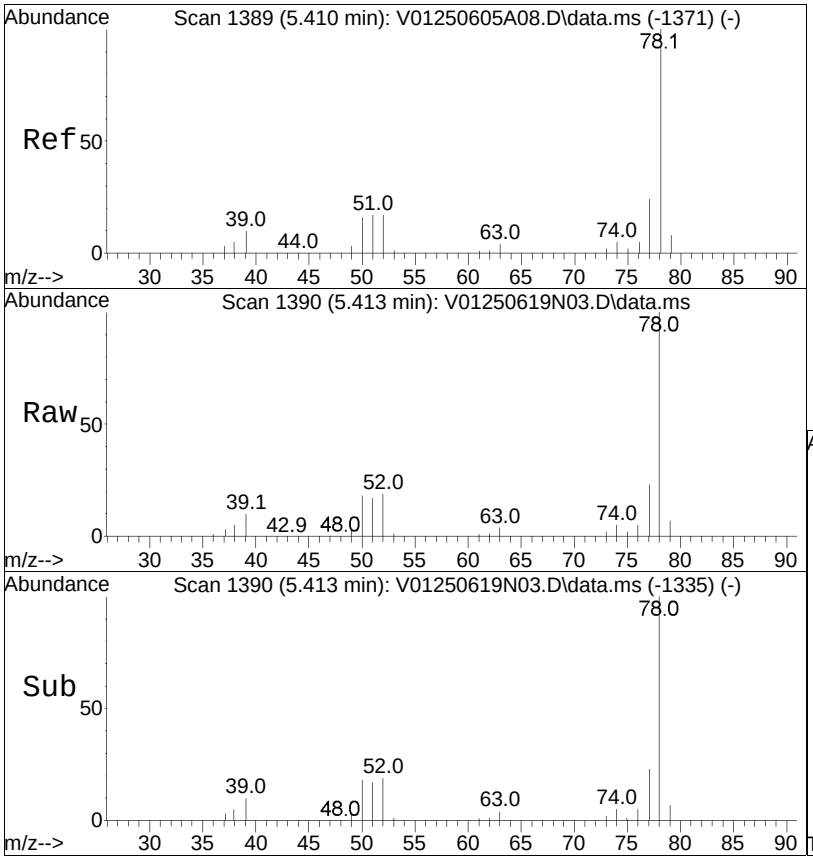


#40
1,1-Dichloropropene
Concen: 8.74 ug/L
RT: 5.173 min Scan# 1304
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 75 Resp: 67459

Ion	Ratio	Lower	Upper
75	100		
110	37.1	23.9	49.5
77	30.9	20.1	41.7

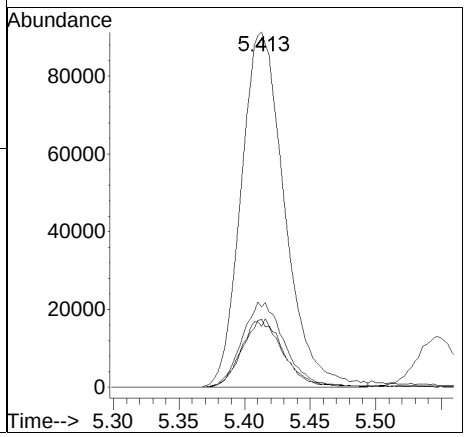


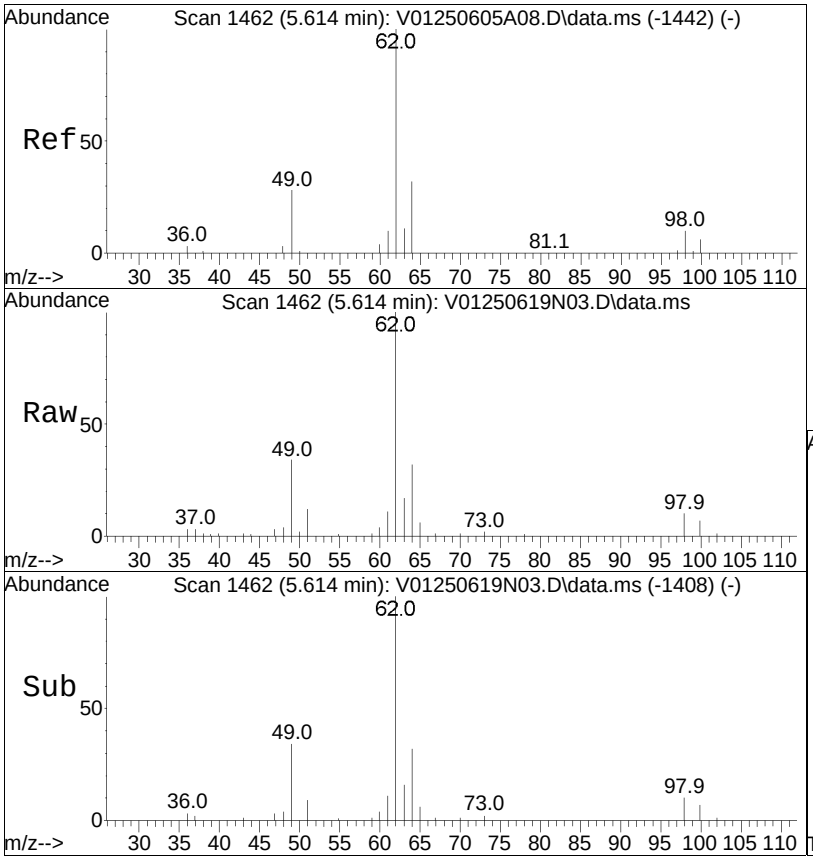


#41
Benzene
Concen: 9.07 ug/L
RT: 5.413 min Scan# 1390
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 78 Resp: 211089

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.6	32.4
51	9.4	11.7	24.3#
52	17.6	10.9	22.5

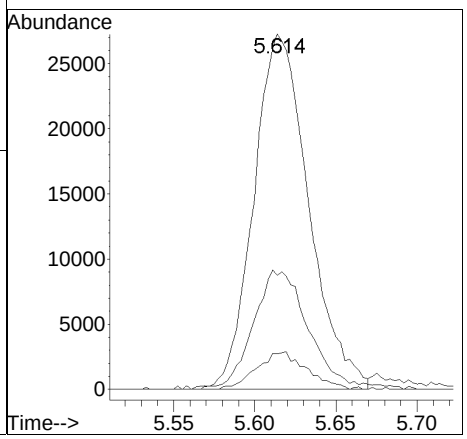


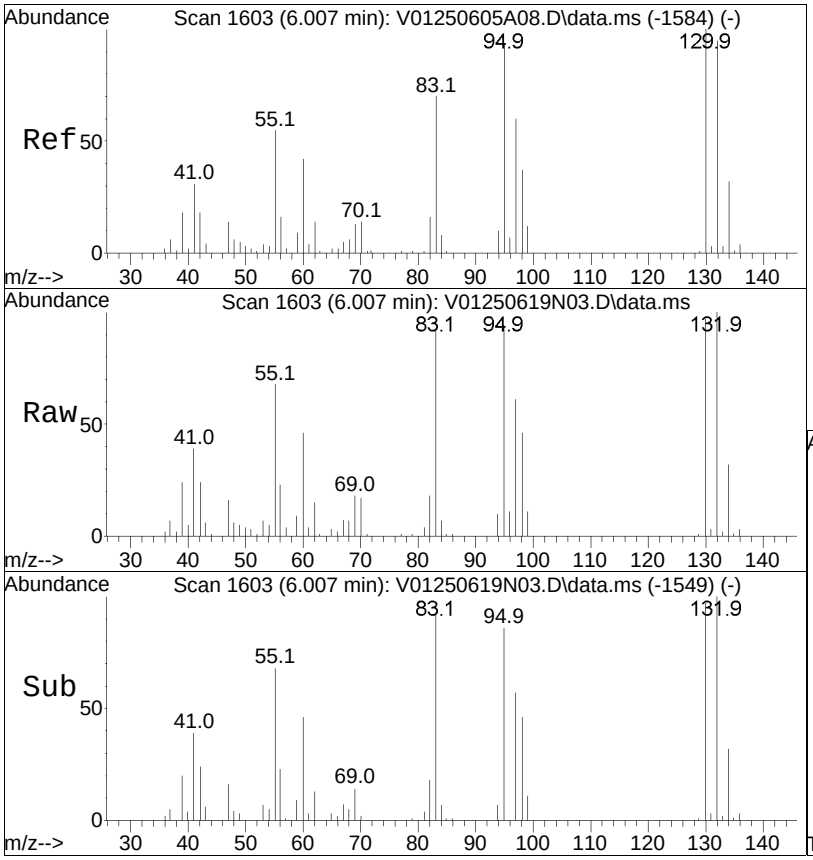


#44
1,2-Dichloroethane
Concen: 9.33 ug/L
RT: 5.614 min Scan# 1462
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 62 Resp: 64225

Ion	Ratio	Lower	Upper
62	100		
64	33.8	10.1	50.1
98	9.7	0.0	29.7

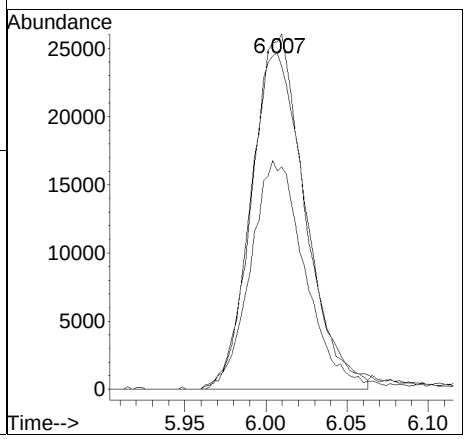


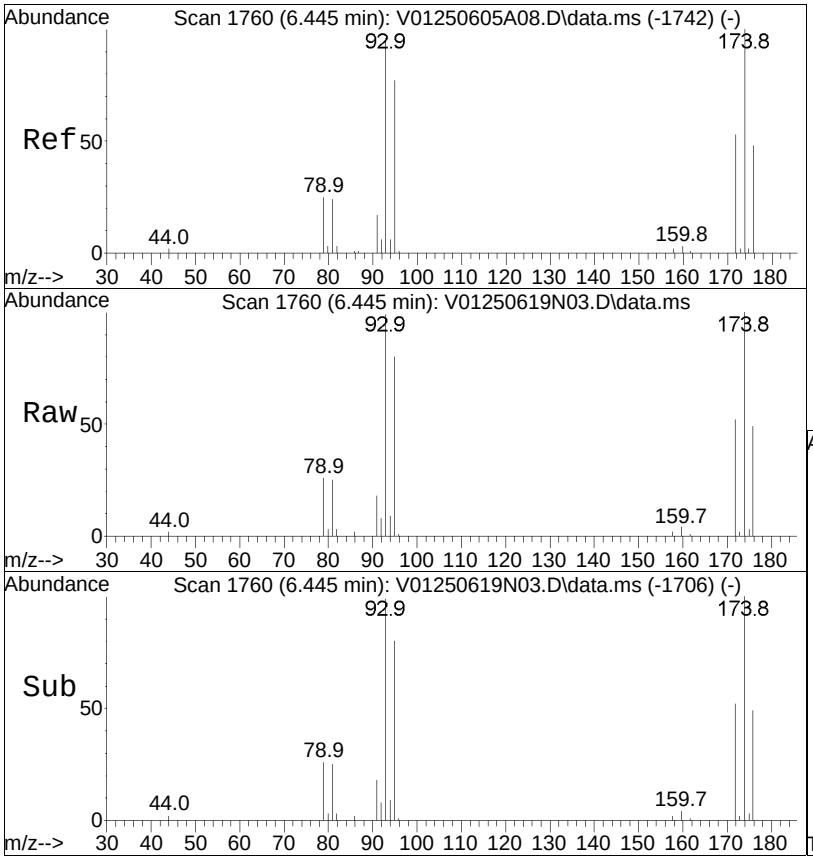


#48
Trichloroethene
Concen: 8.70 ug/L
RT: 6.007 min Scan# 1603
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 95 Resp: 58175

Ion	Ratio	Lower	Upper
95	100		
97	68.0	54.0	81.0
130	102.7	85.0	127.6

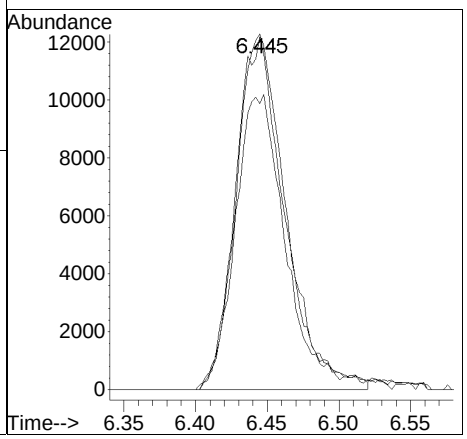


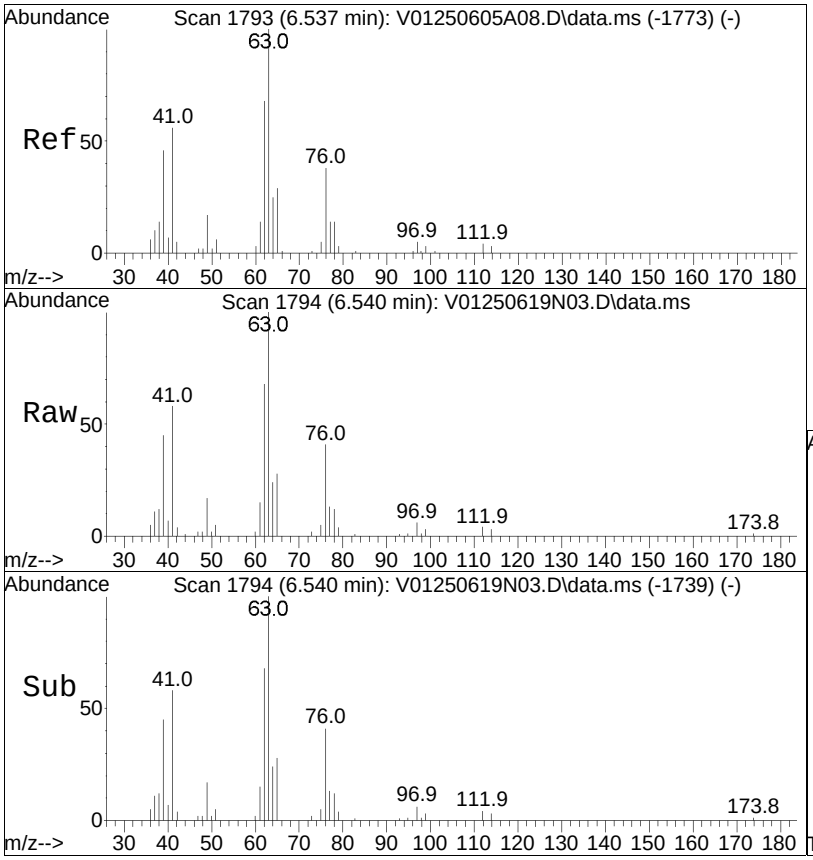


#50
Dibromomethane
Concen: 8.94 ug/L
RT: 6.445 min Scan# 1760
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 93 Resp: 29049

Ion	Ratio	Lower	Upper
93	100		
95	84.2	68.2	102.2
174	102.0	90.3	135.5

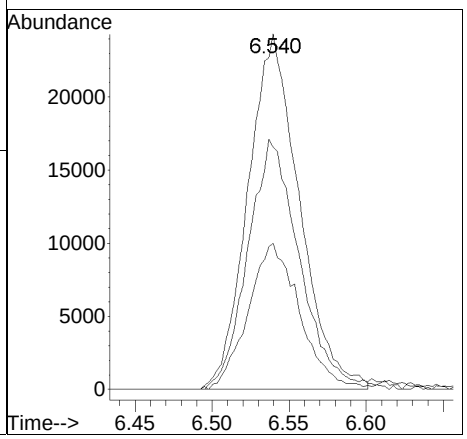


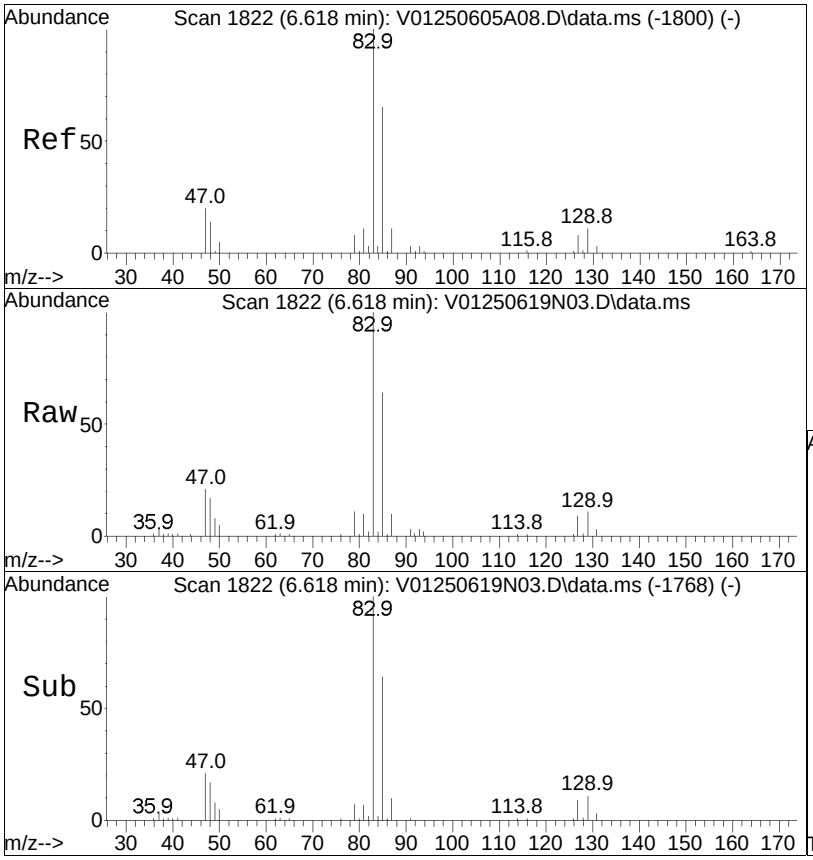


#51
1,2-Dichloropropane
Concen: 9.08 ug/L
RT: 6.540 min Scan# 1794
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 63 Resp: 56560

Ion	Ratio	Lower	Upper
63	100		
62	70.5	57.2	85.8
76	41.3	32.7	49.1

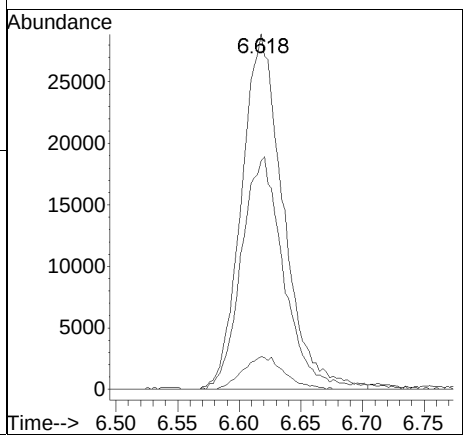


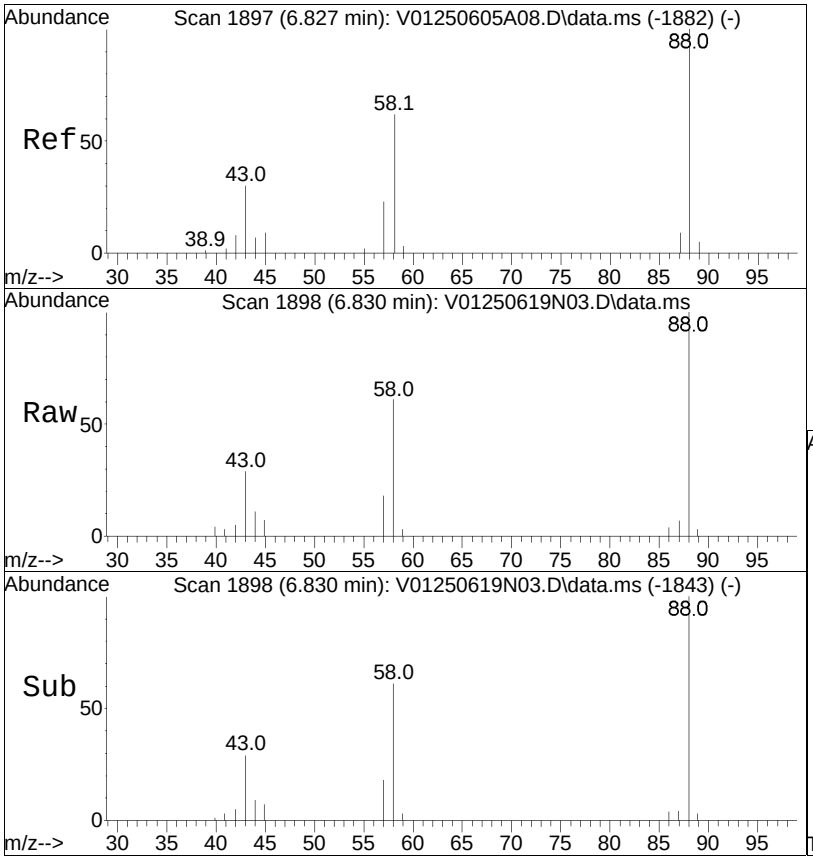


#54
Bromodichloromethane
Concen: 8.40 ug/L
RT: 6.618 min Scan# 1822
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 83 Resp: 68346

Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.6	77.4
127	9.2	7.1	10.7

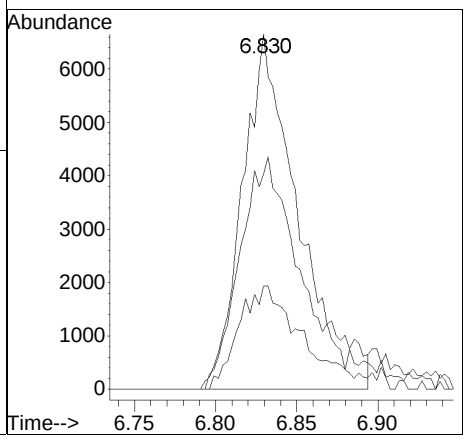


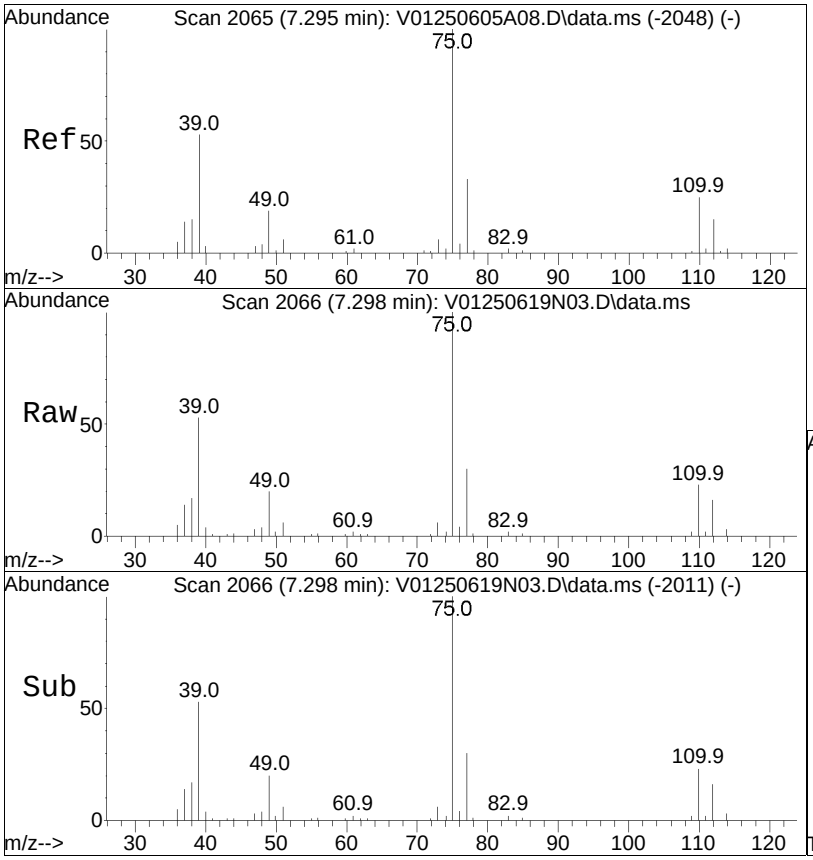


#57
1,4-Dioxane
Concen: 527.65 ug/L
RT: 6.830 min Scan# 1898
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 88 Resp: 16099

Ion	Ratio	Lower	Upper
88	100		
58	68.7	52.4	78.6
43	32.1	22.1	33.1

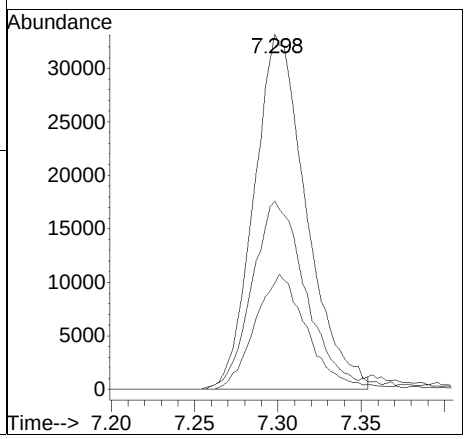


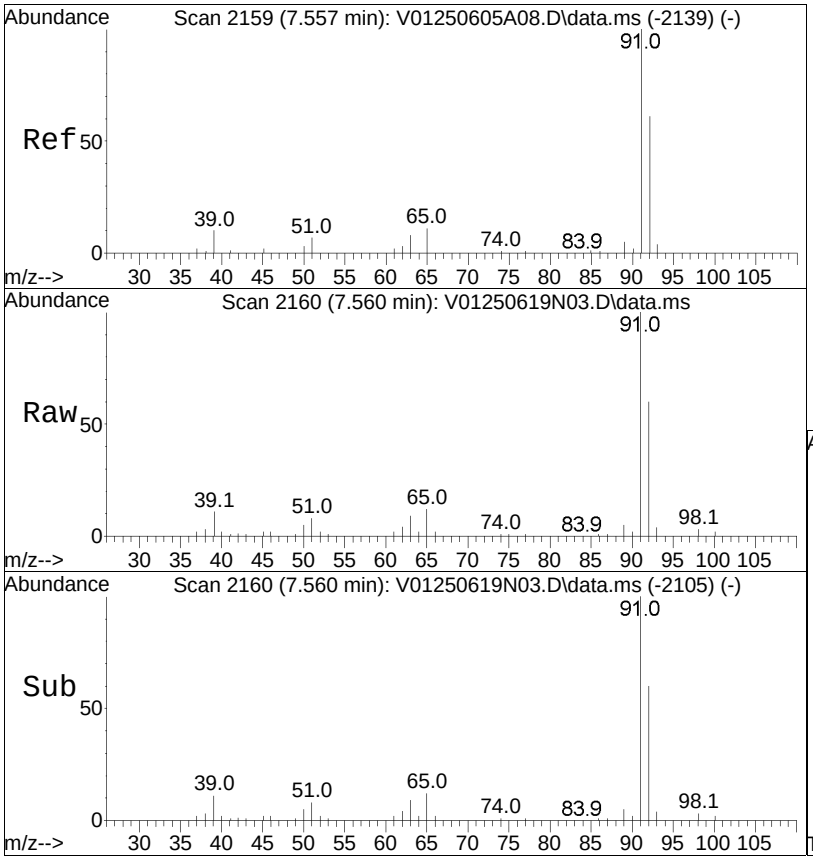


#58
cis-1,3-Dichloropropene
Concen: 7.73 ug/L
RT: 7.298 min Scan# 2066
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 75 Resp: 72292

Ion	Ratio	Lower	Upper
75	100		
77	32.7	25.7	38.5
39	55.3	42.9	64.3

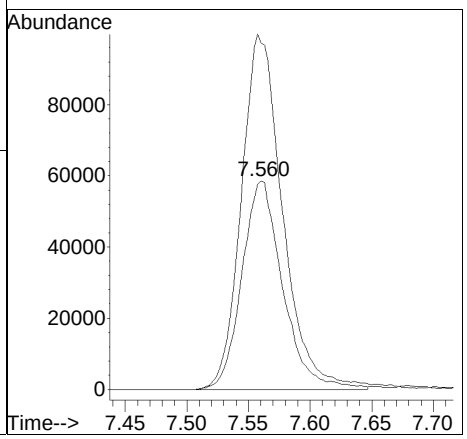


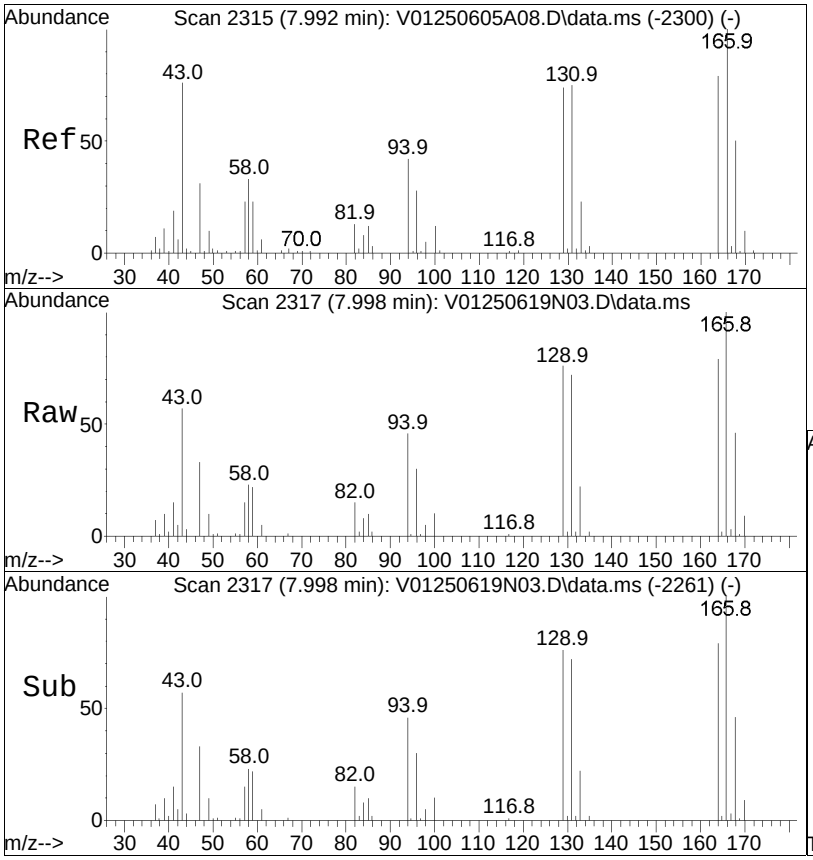


#61
Toluene
Concen: 9.22 ug/L
RT: 7.560 min Scan# 2160
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 92 Resp: 134815

Ion	Ratio	Lower	Upper
92	100		
91	173.6	134.8	202.2

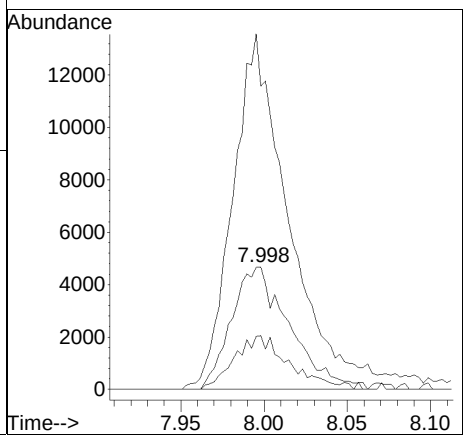


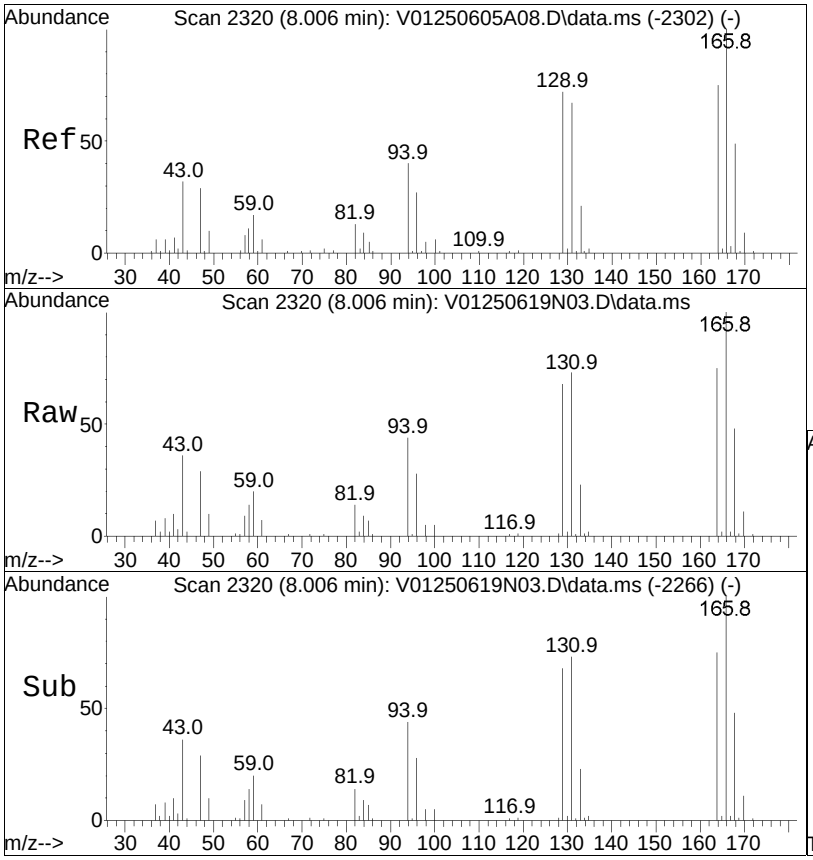


#62
4-Methyl-2-pentanone
Concen: 9.06 ug/L
RT: 7.998 min Scan# 2317
Delta R.T. 0.006 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 58 Resp: 11336

Ion	Ratio	Lower	Upper
58	100		
100	40.6	34.7	52.1
43	280.4	205.3	307.9

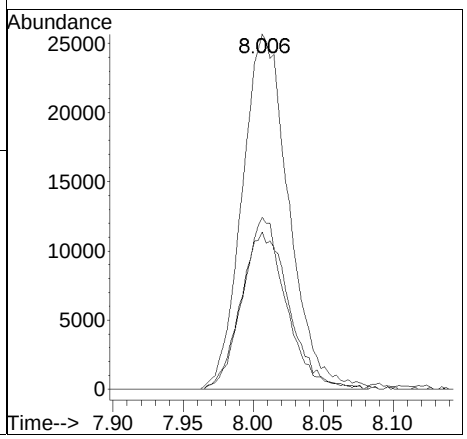


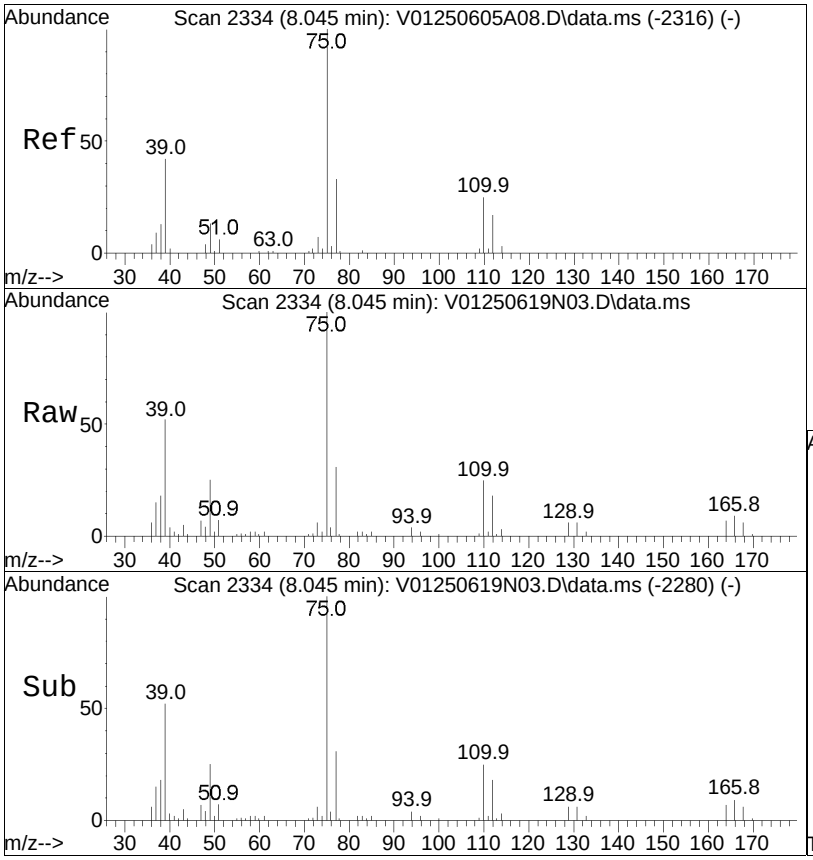


#63
Tetrachloroethene
Concen: 9.14 ug/L
RT: 8.006 min Scan# 2320
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:166 Resp: 59584

Ion	Ratio	Lower	Upper
166	100		
168	47.0	28.4	68.4
94	43.9	21.2	61.2

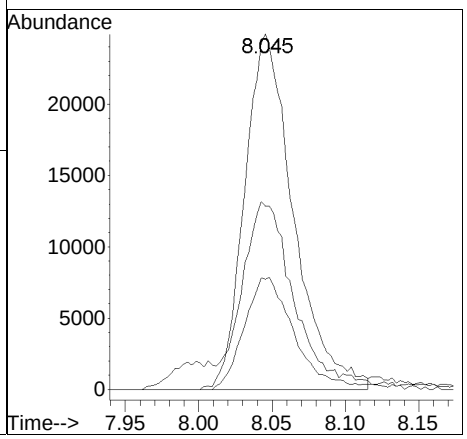


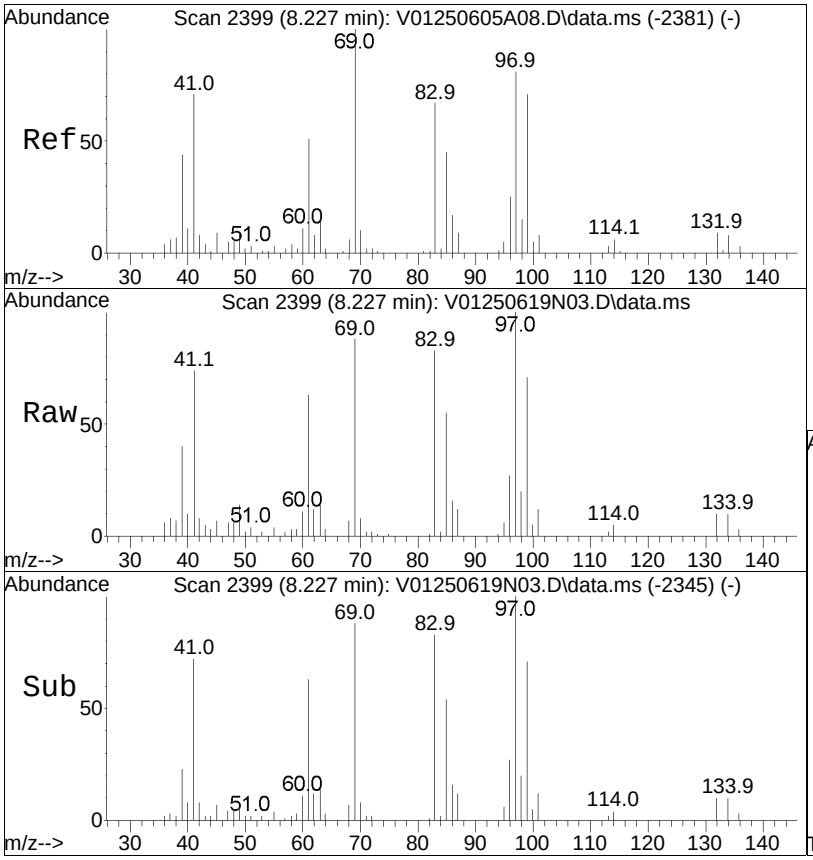


#65
trans-1,3-Dichloropropene
Concen: 8.11 ug/L
RT: 8.045 min Scan# 2334
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 75 Resp: 57697

Ion	Ratio	Lower	Upper
75	100		
77	32.0	11.9	51.9
39	52.1	28.4	68.4

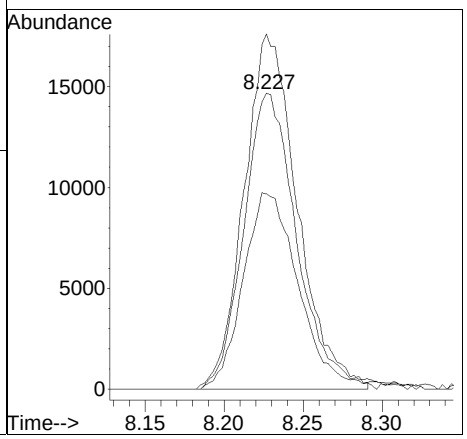


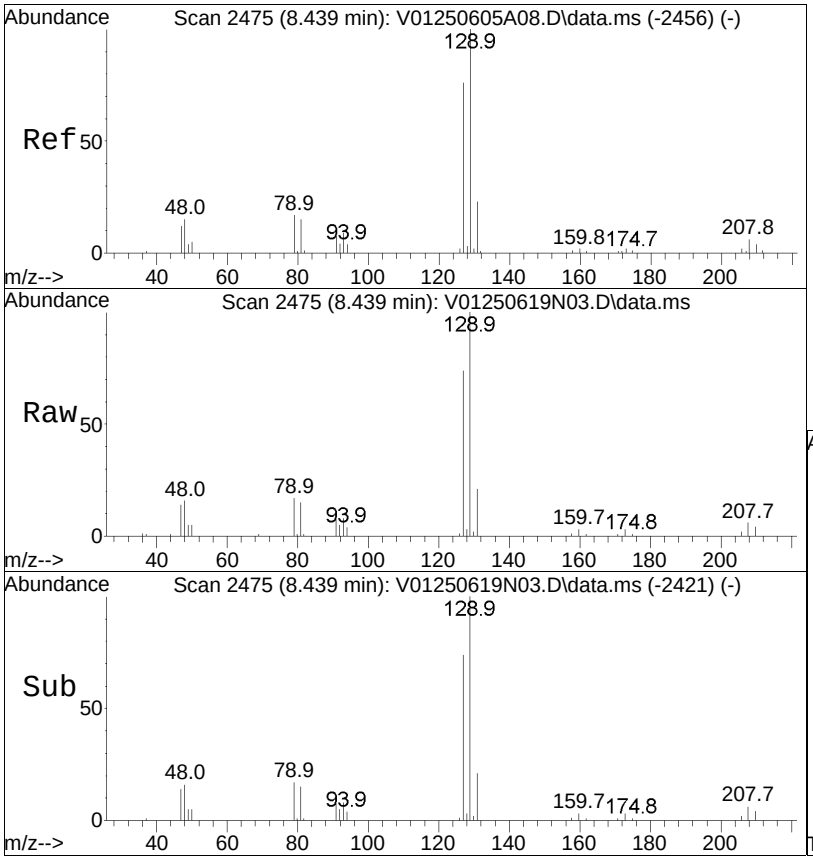


#68
1,1,2-Trichloroethane
Concen: 9.52 ug/L
RT: 8.227 min Scan# 2399
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 83 Resp: 34278

Ion	Ratio	Lower	Upper
83	100		
97	122.5	101.5	141.5
85	69.2	48.5	88.5

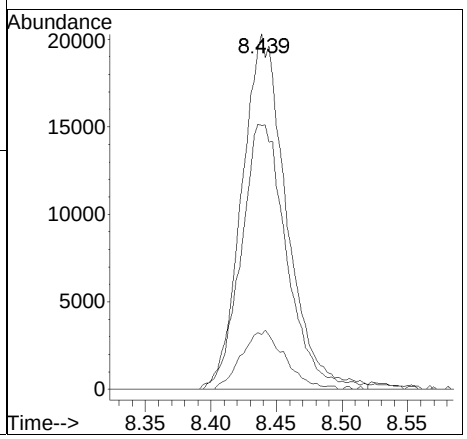


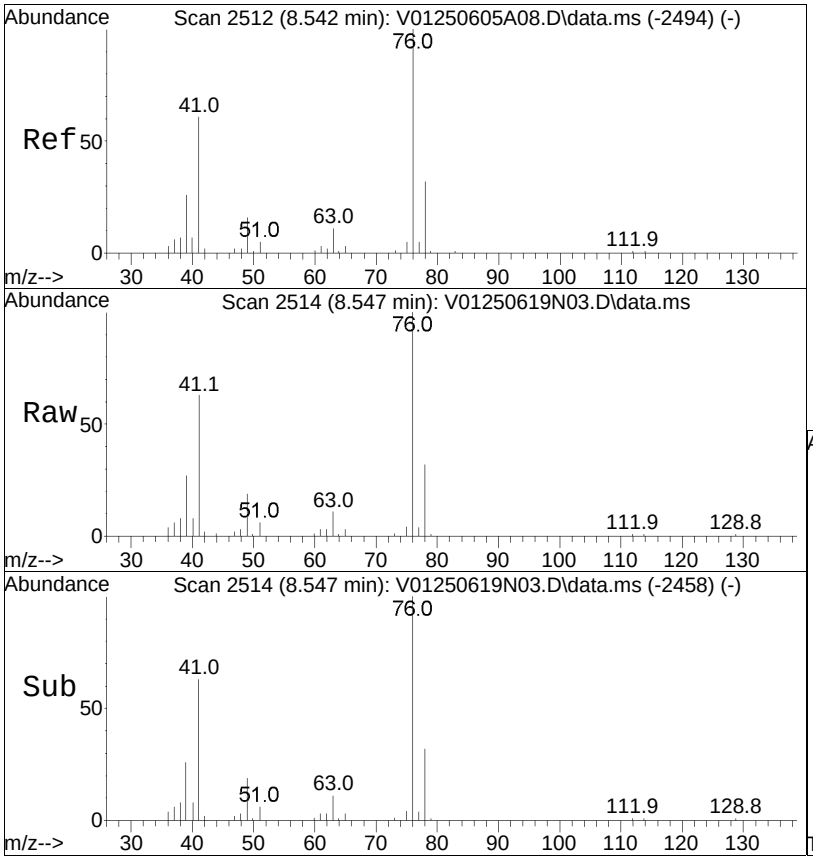


#69
Chlorodibromomethane
Concen: 8.37 ug/L
RT: 8.439 min Scan# 2475
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:129 Resp: 48139

Ion	Ratio	Lower	Upper
129	100		
81	16.1	0.0	36.6
127	76.0	56.3	96.3

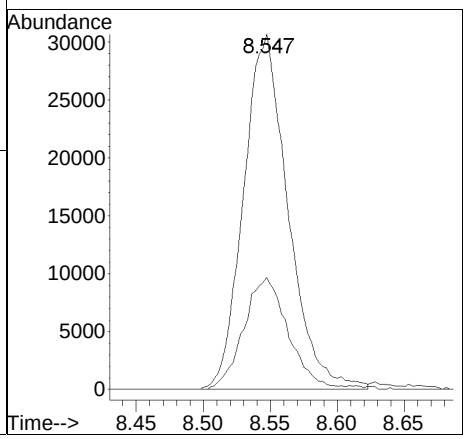


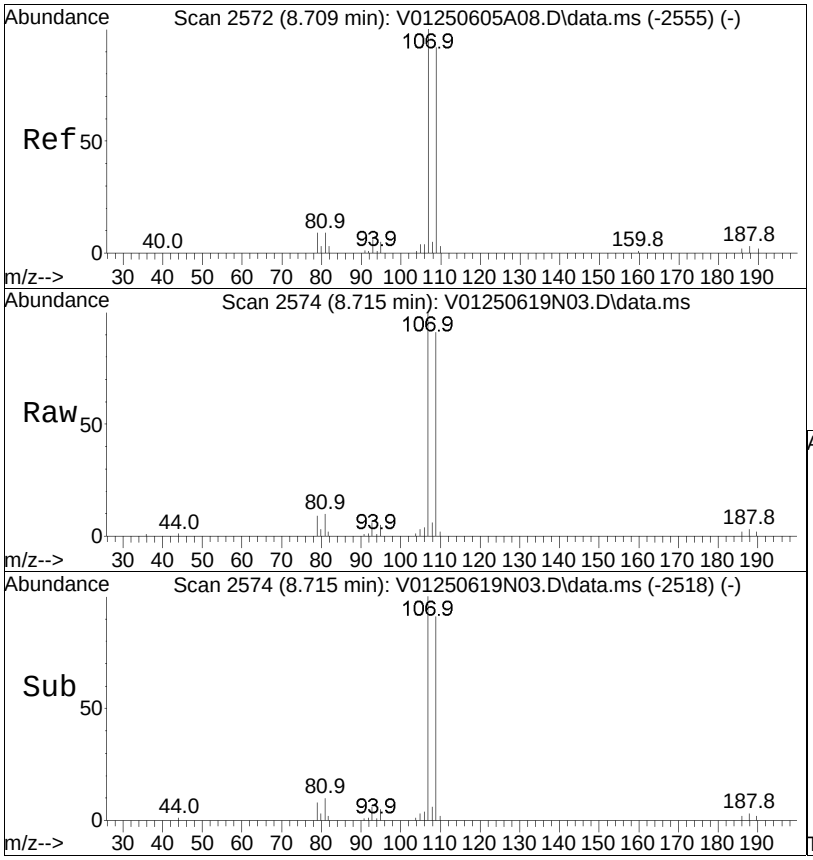


#70
1,3-Dichloropropane
Concen: 9.90 ug/L
RT: 8.547 min Scan# 2514
Delta R.T. 0.005 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 76 Resp: 70880

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

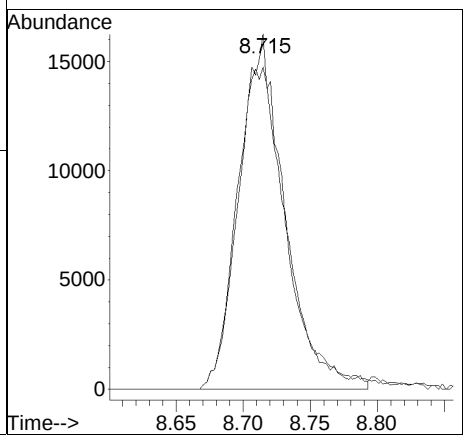


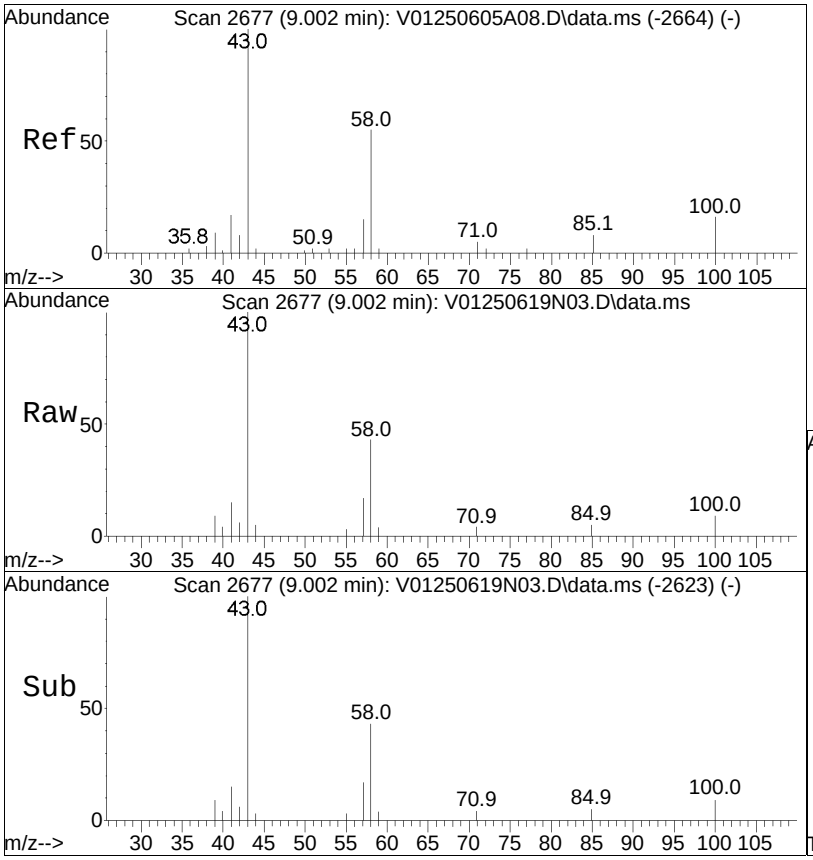


#71
1,2-Dibromoethane
Concen: 9.33 ug/L
RT: 8.715 min Scan# 2574
Delta R.T. 0.006 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:107 Resp: 39415

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.9	115.3

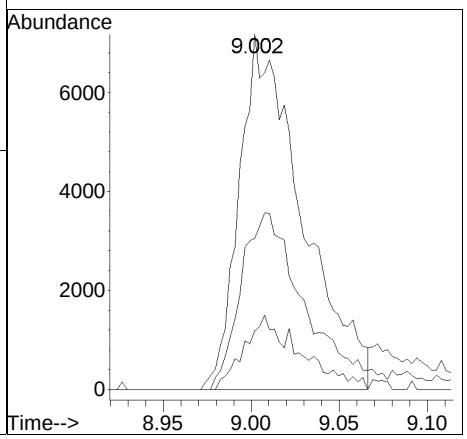


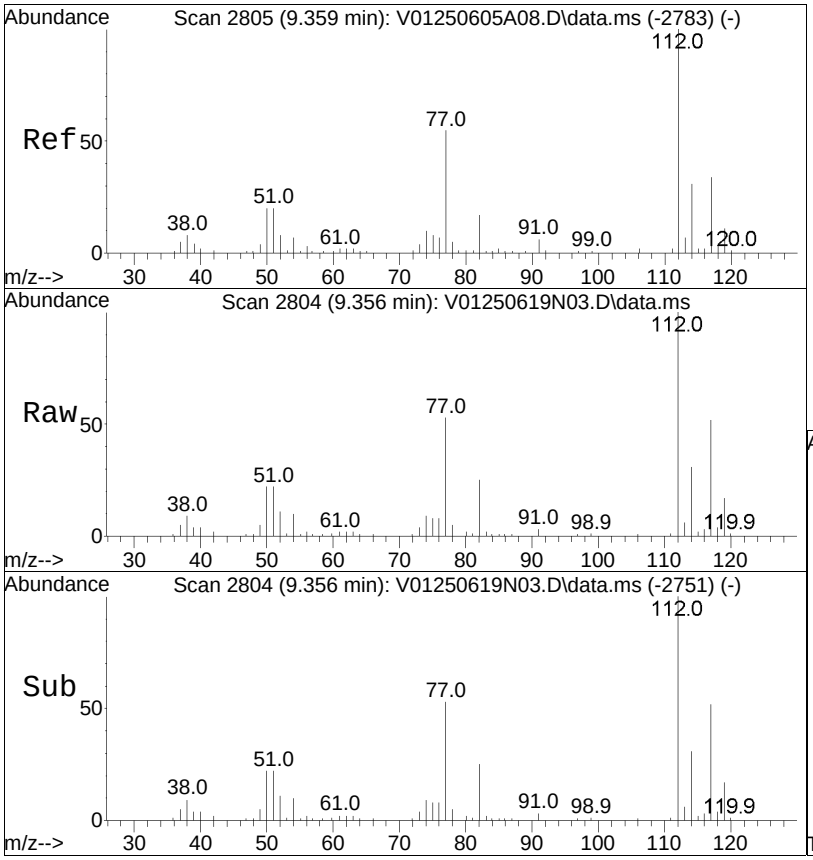


#72
2-Hexanone
Concen: 8.51 ug/L
RT: 9.002 min Scan# 2677
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 43 Resp: 17834

Ion	Ratio	Lower	Upper
43	100		
58	51.1	43.6	65.4
57	11.4	6.5	9.7#

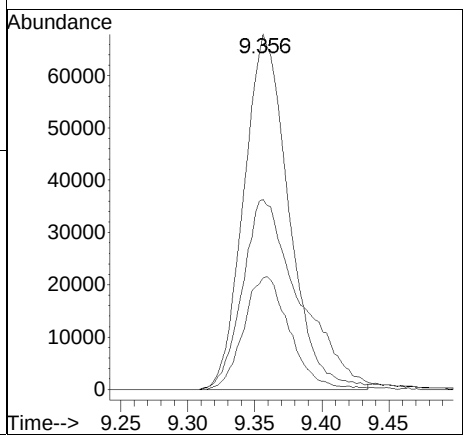


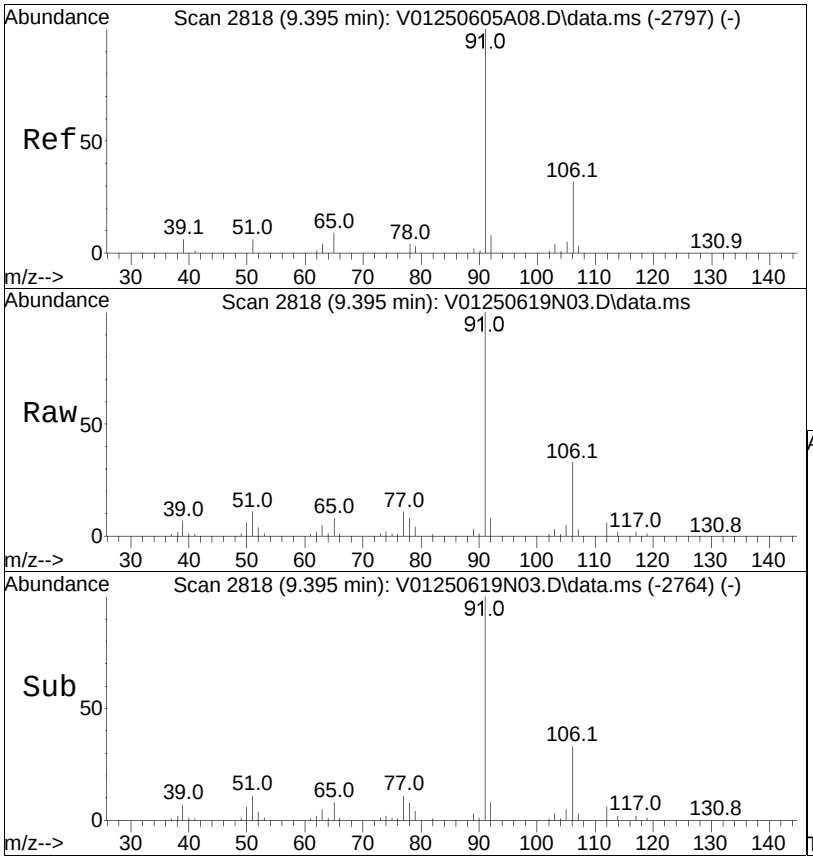


#73
Chlorobenzene
Concen: 9.34 ug/L
RT: 9.356 min Scan# 2804
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:112 Resp: 157857

Ion	Ratio	Lower	Upper
112	100		
77	69.3	54.6	81.8
114	32.3	25.5	38.3

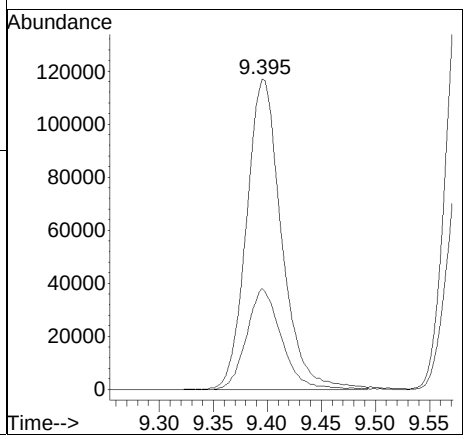


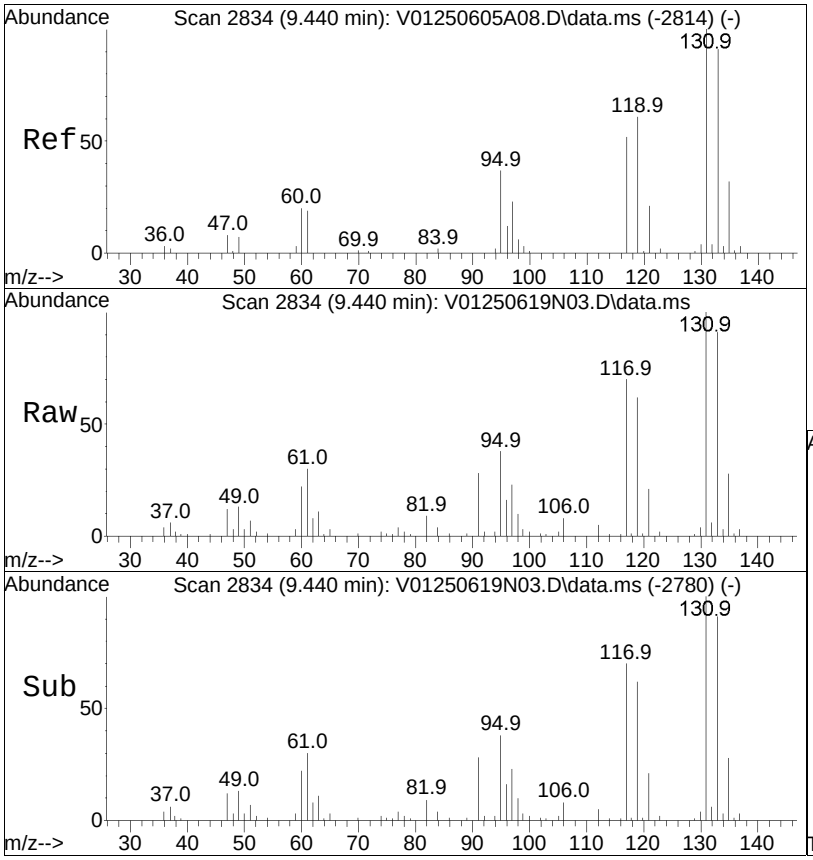


#74
Ethylbenzene
Concen: 9.36 ug/L
RT: 9.395 min Scan# 2818
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 91 Resp: 264268

Ion	Ratio	Lower	Upper
91	100		
106	32.0	26.1	39.1

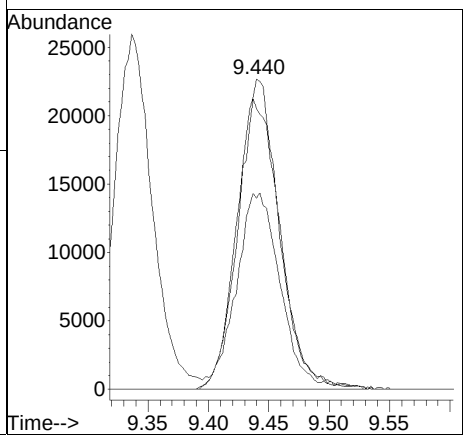


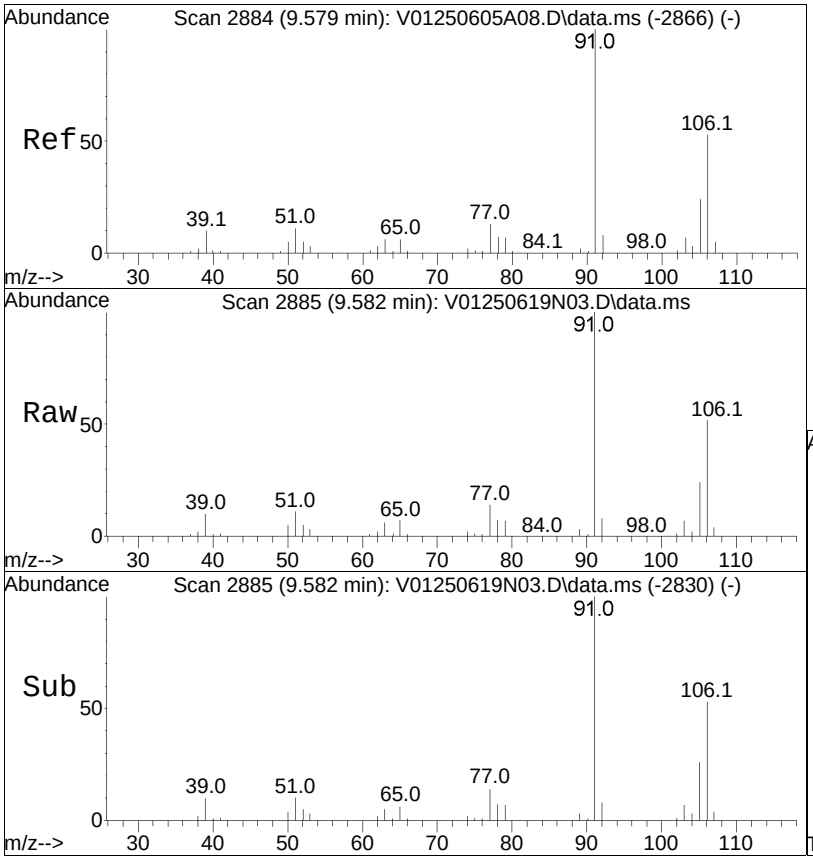


#75
1,1,1,2-Tetrachloroethane
Concen: 8.92 ug/L
RT: 9.440 min Scan# 2834
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:131 Resp: 55260

Ion	Ratio	Lower	Upper
131	100		
133	93.8	75.3	115.3
119	64.2	46.1	86.1

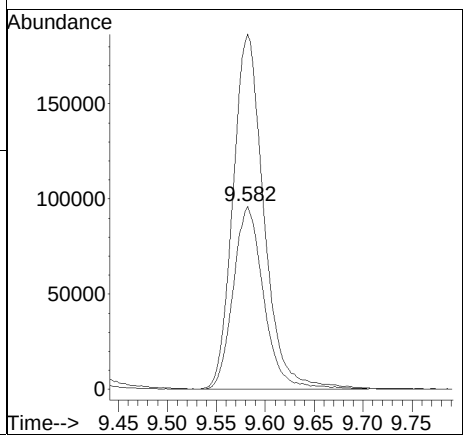


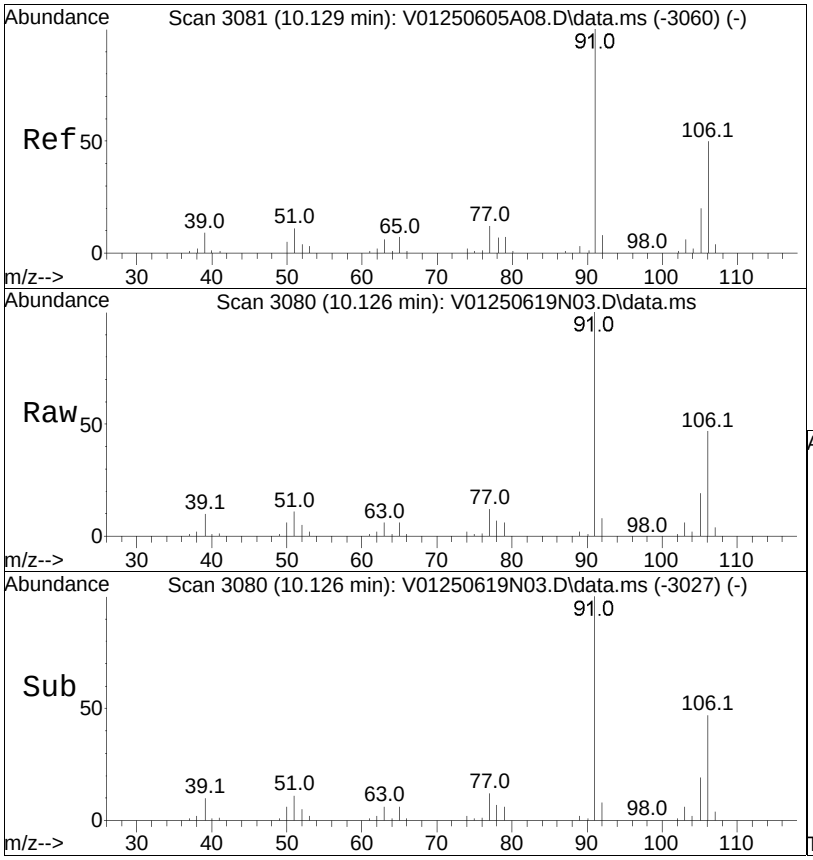


#76
p/m Xylene
Concen: 18.49 ug/L
RT: 9.582 min Scan# 2885
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:106 Resp: 210387

Ion	Ratio	Lower	Upper
106	100		
91	193.8	153.1	229.7

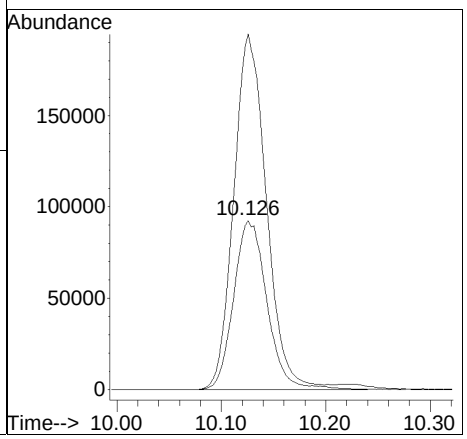


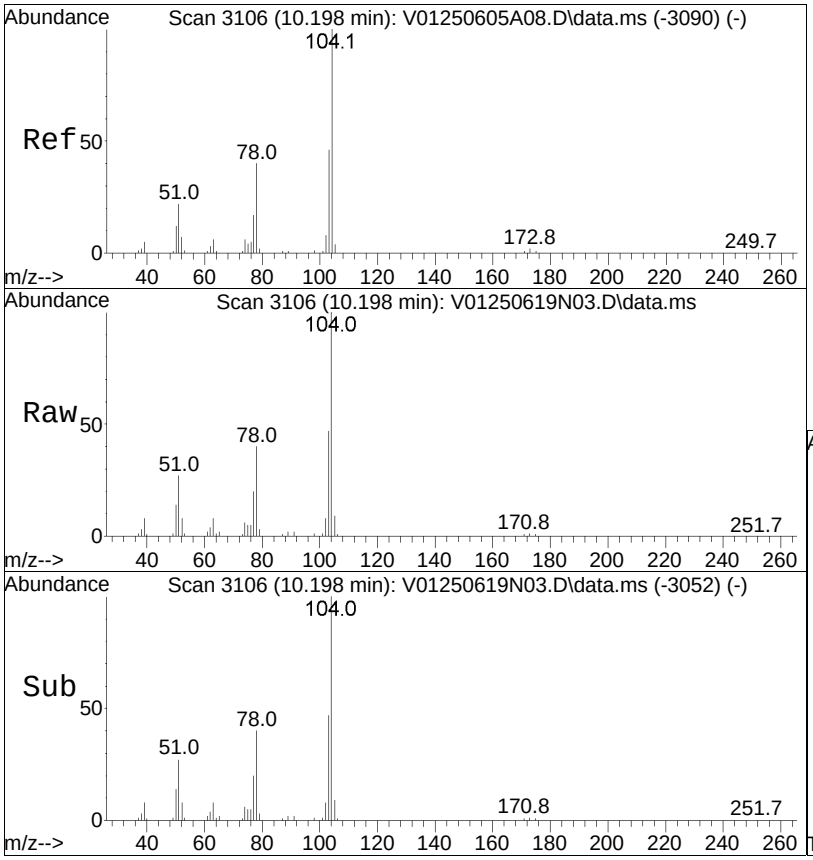


#77
o Xylene
Concen: 18.31 ug/L
RT: 10.126 min Scan# 3080
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:106 Resp: 204448

Ion	Ratio	Lower	Upper
106	100		
91	205.6	161.3	241.9

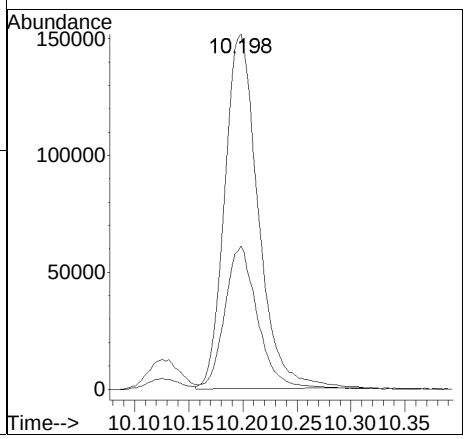


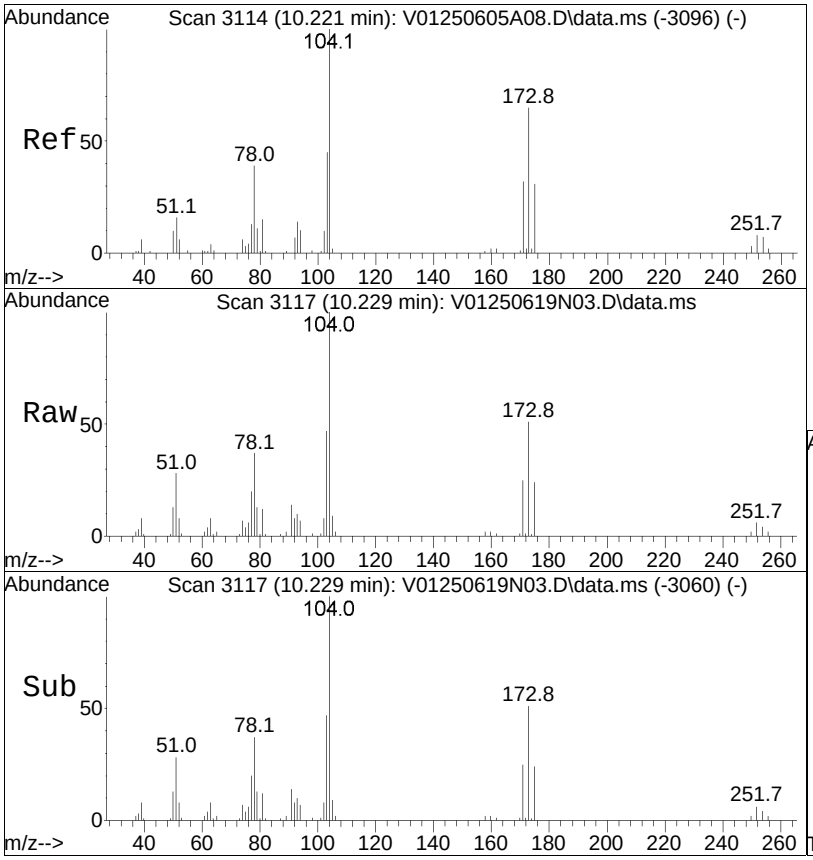


#78
Styrene
Concen: 18.37 ug/L
RT: 10.198 min Scan# 3106
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:104 Resp: 327628

Ion	Ratio	Lower	Upper
104	100		
78	39.5	32.5	48.7

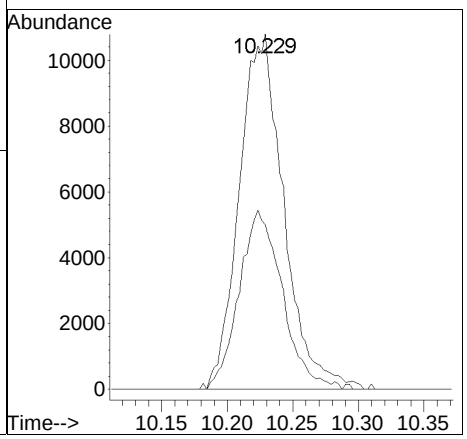


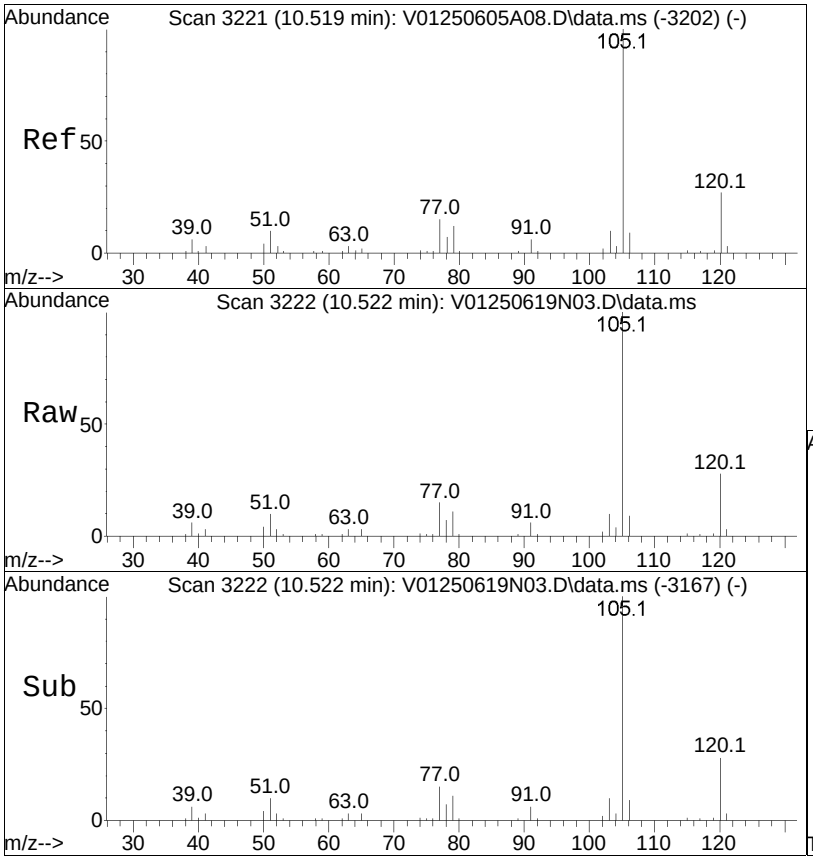


#80
Bromoform
Concen: 7.49 ug/L
RT: 10.229 min Scan# 3117
Delta R.T. 0.008 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:173 Resp: 25489

Ion	Ratio	Lower	Upper
173	100		
175	48.9	28.9	68.9

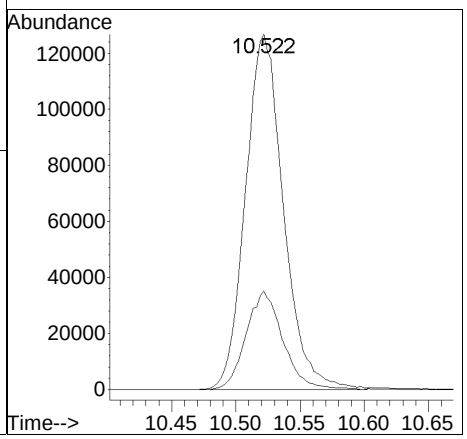


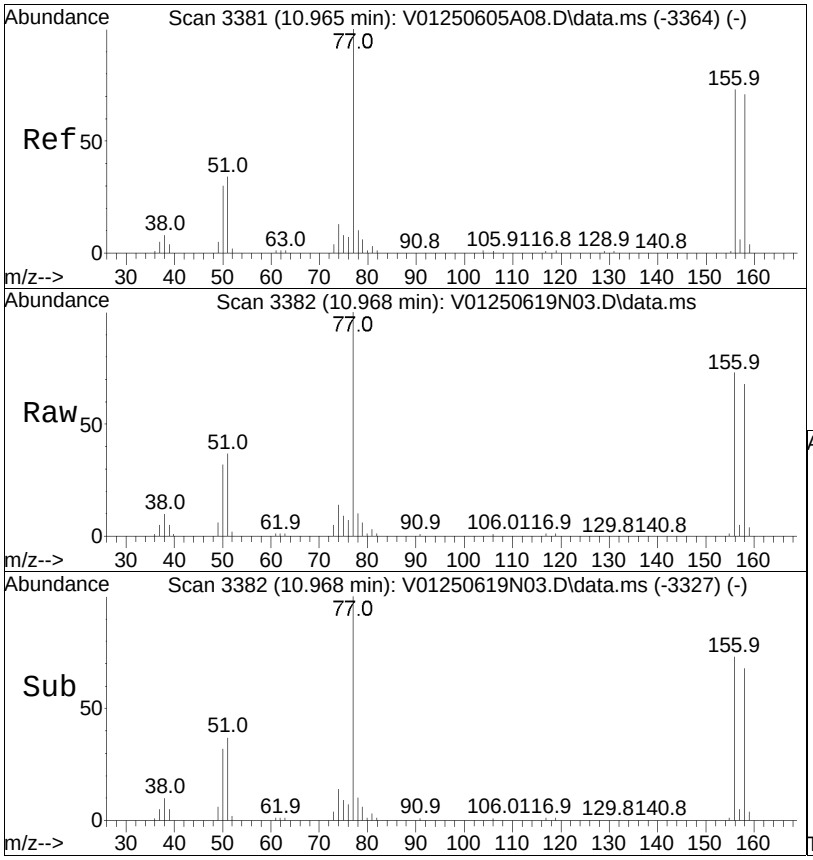


#82
Isopropylbenzene
Concen: 9.56 ug/L
RT: 10.522 min Scan# 3222
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:105 Resp: 260848

Ion	Ratio	Lower	Upper
105	100		
120	26.7	7.2	47.2

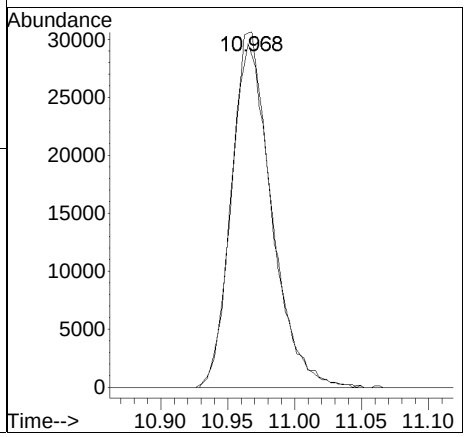


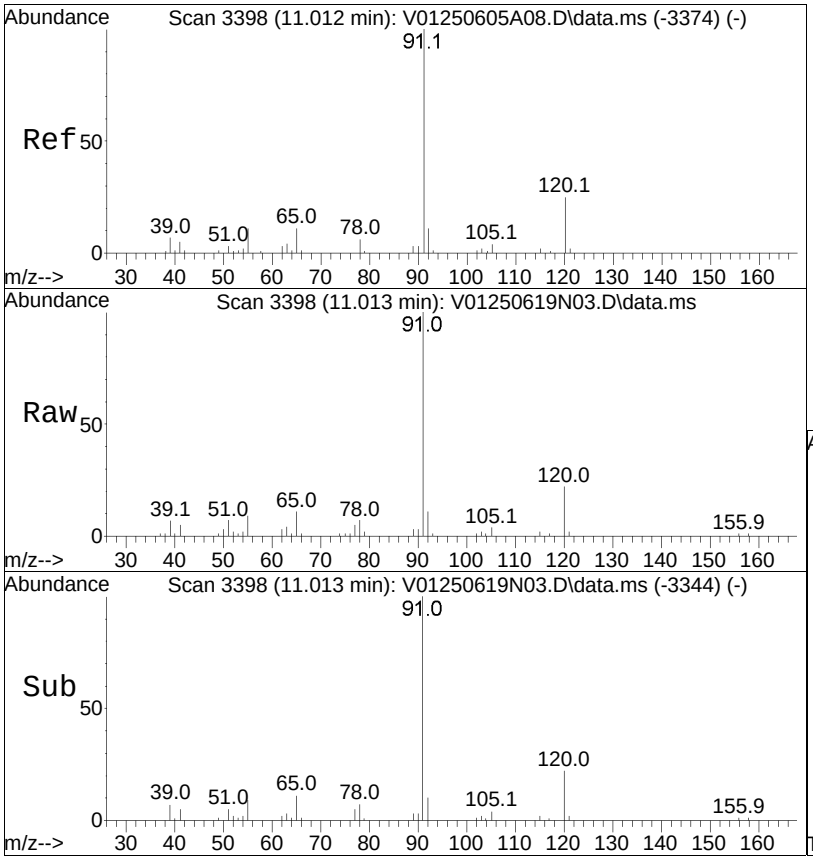


#84
Bromobenzene
Concen: 9.61 ug/L
RT: 10.968 min Scan# 3382
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:156 Resp: 63997

Ion	Ratio	Lower	Upper
156	100		
158	97.3	78.9	118.3

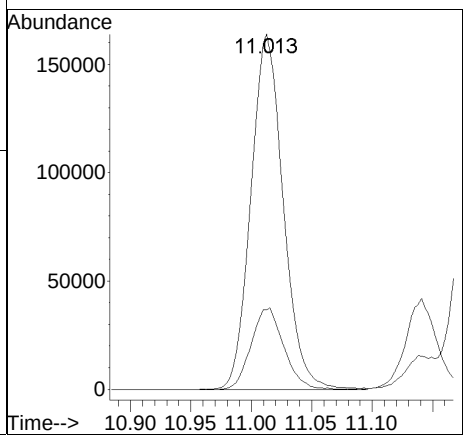


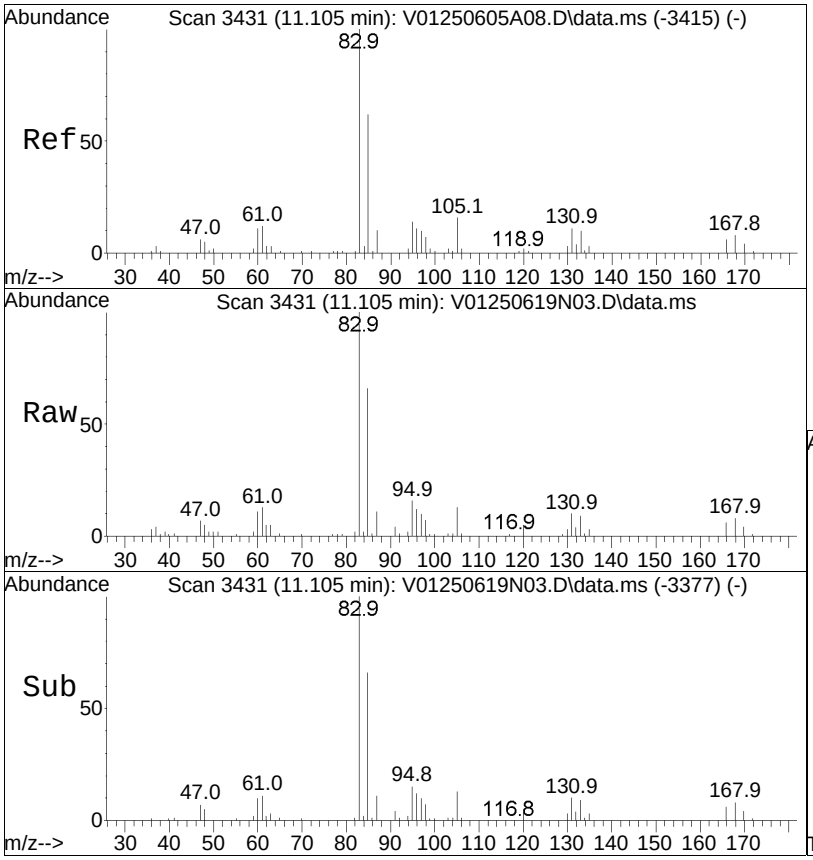


#85
n-Propylbenzene
Concen: 9.83 ug/L
RT: 11.013 min Scan# 3398
Delta R.T. 0.001 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 91 Resp: 305370

Ion	Ratio	Lower	Upper
91	100		
120	23.1	19.4	29.0

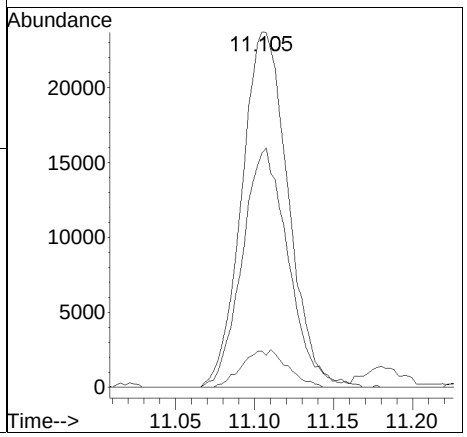


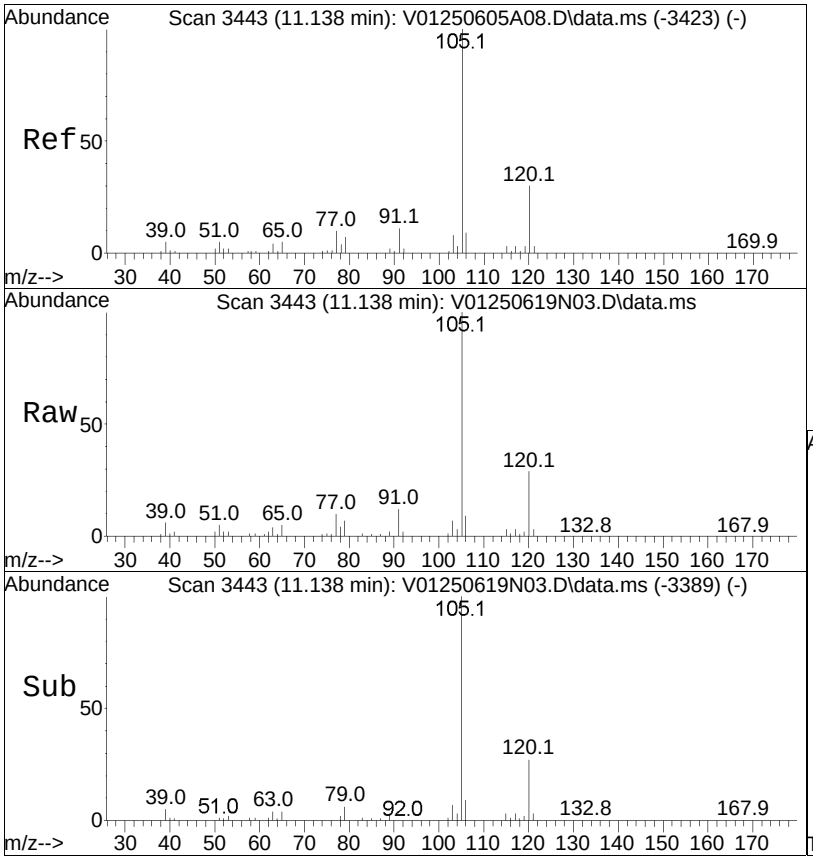


#87
1,1,2,2-Tetrachloroethane
Concen: 10.13 ug/L
RT: 11.105 min Scan# 3431
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 83 Resp: 48478

Ion	Ratio	Lower	Upper
83	100		
131	10.3	0.0	30.3
85	66.8	46.1	86.1

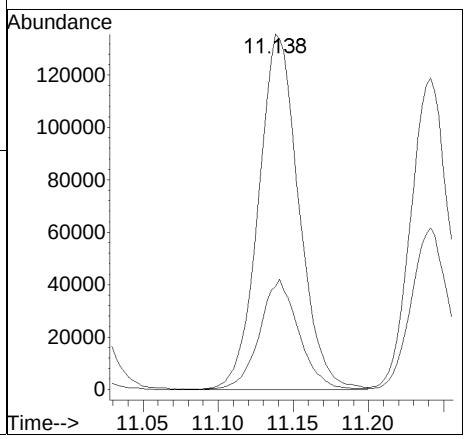


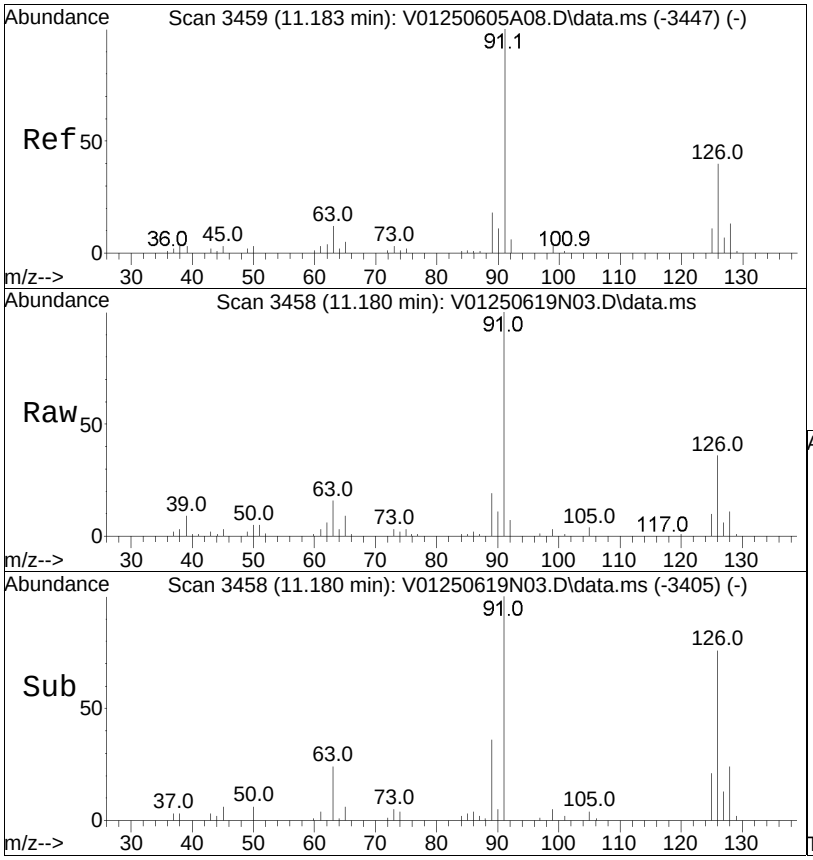


#88
4-Ethyltoluene
Concen: 9.69 ug/L
RT: 11.138 min Scan# 3443
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:105 Resp: 253311

Ion	Ratio	Lower	Upper
105	100		
120	30.0	20.0	41.4

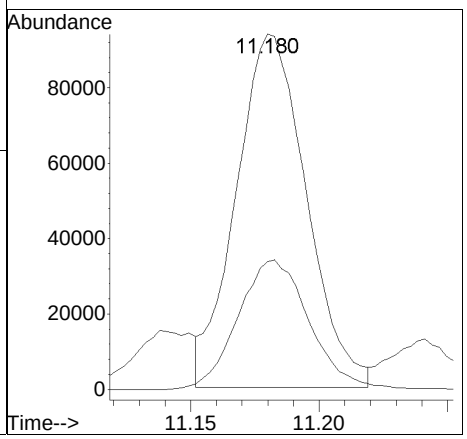


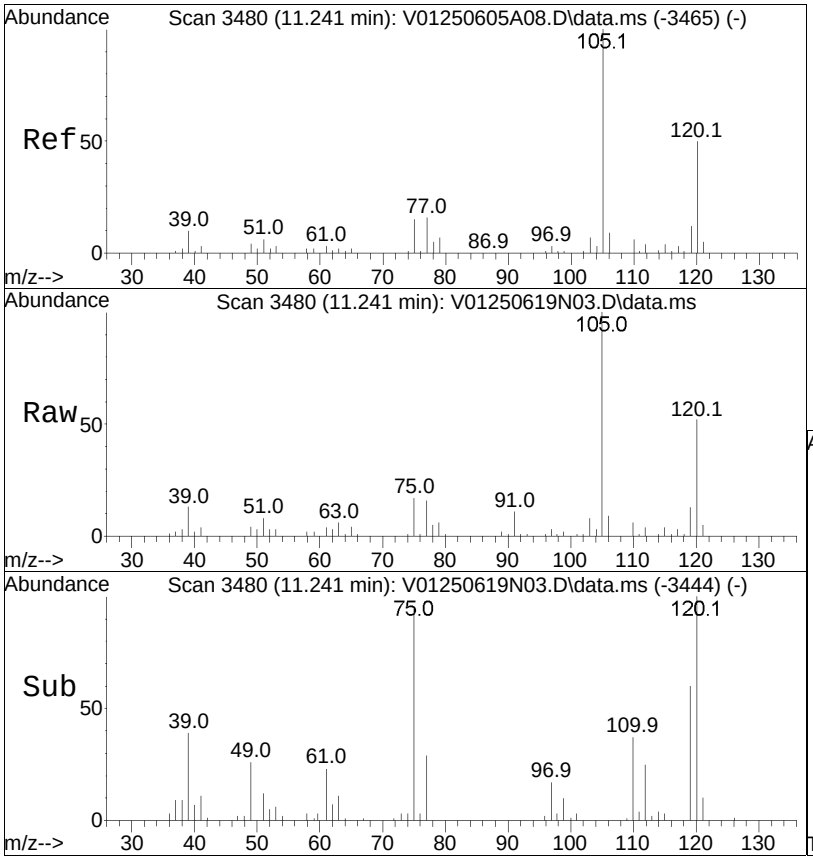


#89
2-Chlorotoluene
Concen: 9.65 ug/L
RT: 11.180 min Scan# 3458
Delta R.T. -0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 91 Resp: 177988

Ion	Ratio	Lower	Upper
91	100		
126	37.3	29.0	43.4

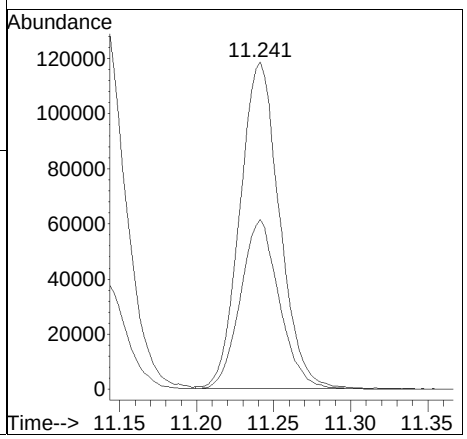


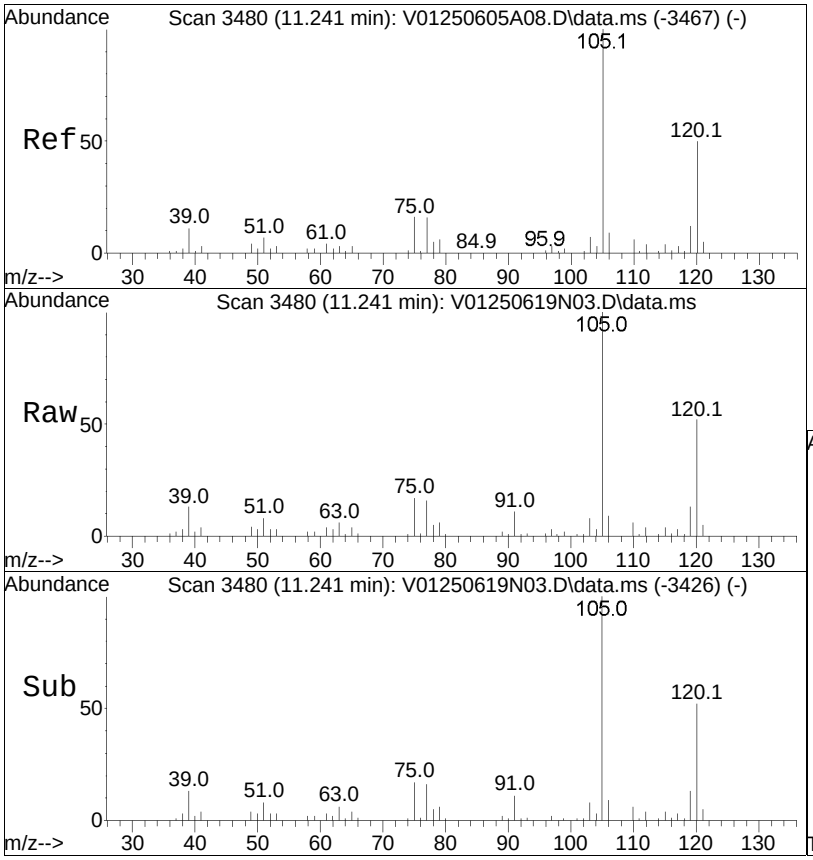


#90
1,3,5-Trimethylbenzene
Concen: 9.47 ug/L
RT: 11.241 min Scan# 3480
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:105 Resp: 211299

Ion	Ratio	Lower	Upper
105	100		
120	50.7	40.7	61.1

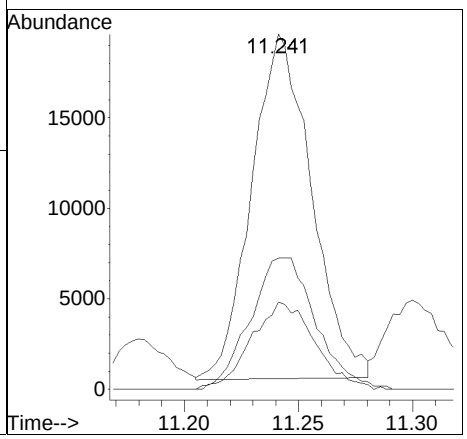


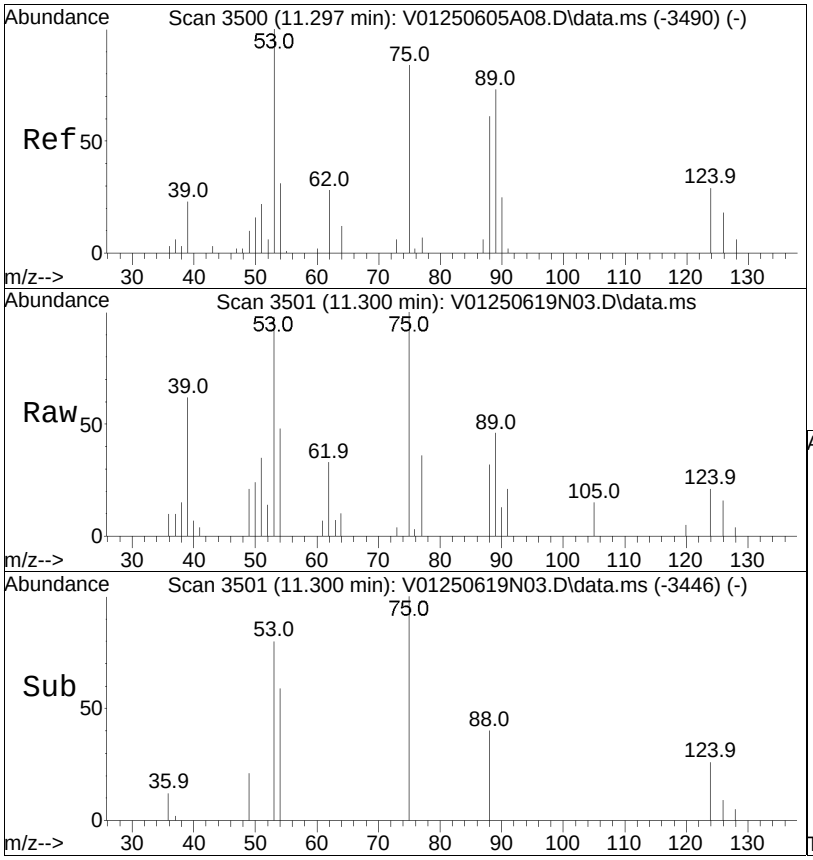


#91
1,2,3-Trichloropropane
Concen: 9.45 ug/L
RT: 11.241 min Scan# 3480
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 75 Resp: 34732

Ion	Ratio	Lower	Upper
75	100		
110	41.7	24.8	51.6
112	26.8	16.3	33.9

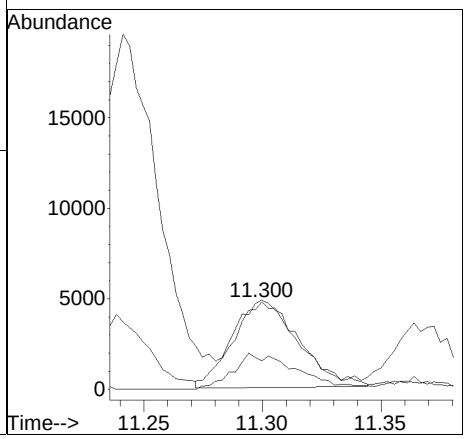


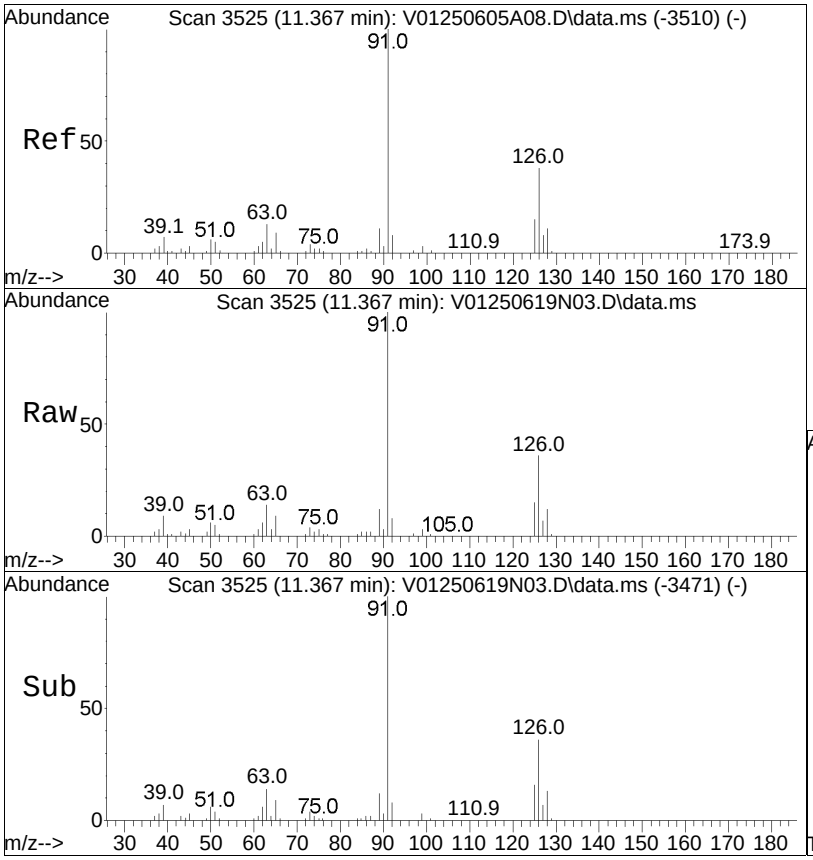


#92
trans-1,4-Dichloro-2-butene
Concen: 8.22 ug/L
RT: 11.300 min Scan# 3501
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 53 Resp: 9048

Ion	Ratio	Lower	Upper
53	100		
88	18.7	39.4	59.0#
75	93.5	93.8	140.8#

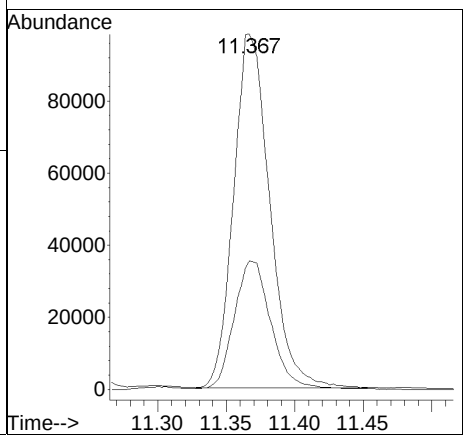


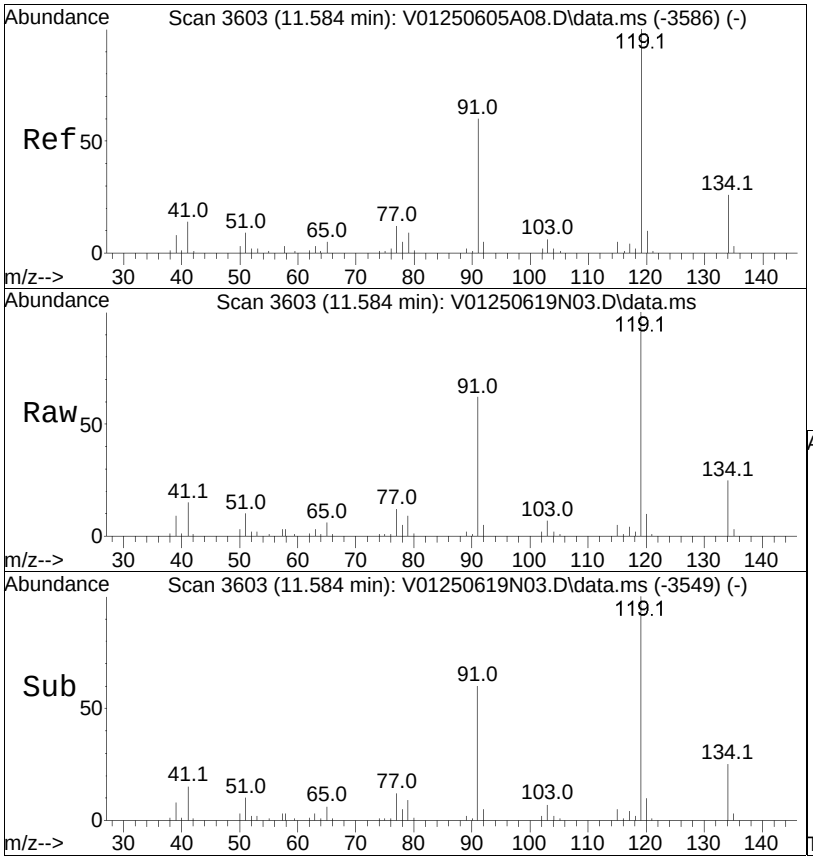


#93
4-Chlorotoluene
Concen: 9.62 ug/L
RT: 11.367 min Scan# 3525
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 91 Resp: 179587

Ion	Ratio	Lower	Upper
91	100		
126	36.8	29.7	44.5

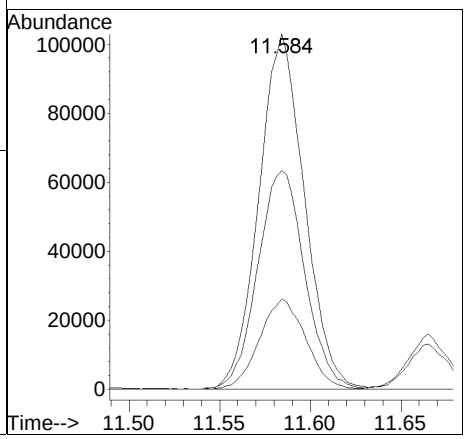


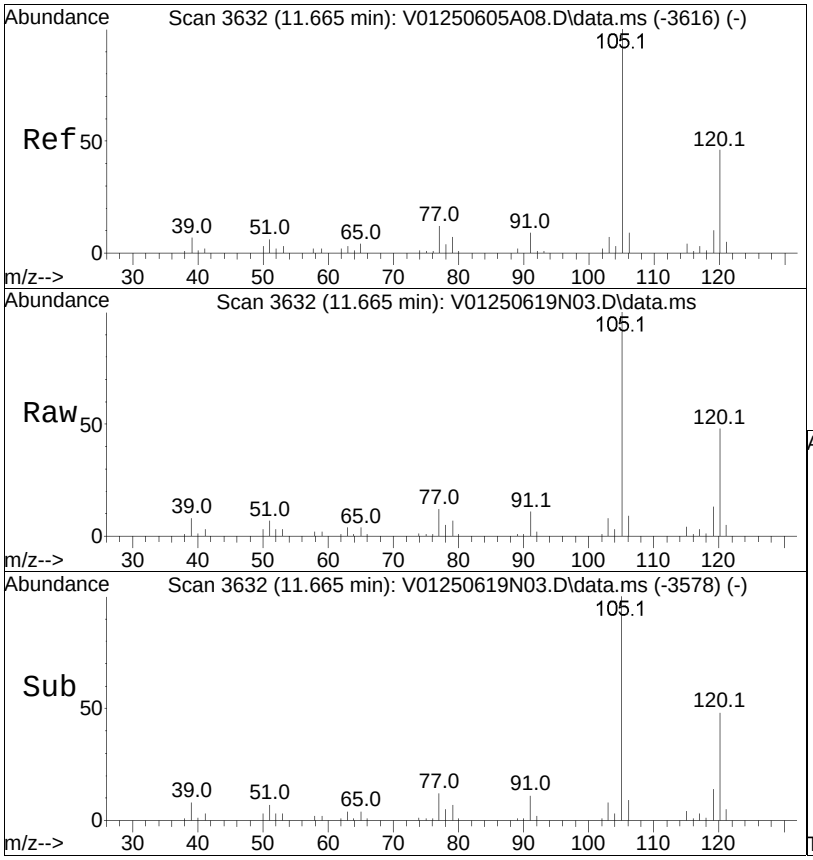


#94
tert-Butylbenzene
Concen: 9.56 ug/L
RT: 11.584 min Scan# 3603
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:119 Resp: 180309

Ion	Ratio	Lower	Upper
119	100		
91	63.7	50.0	75.0
134	25.9	20.8	31.2

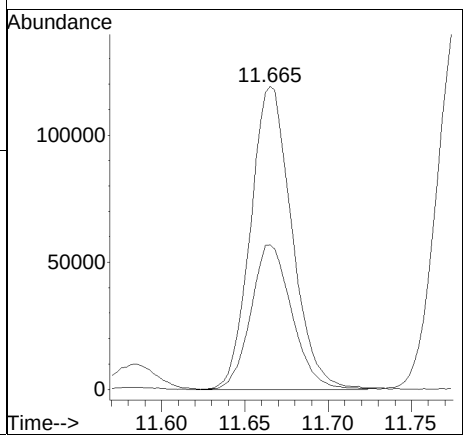


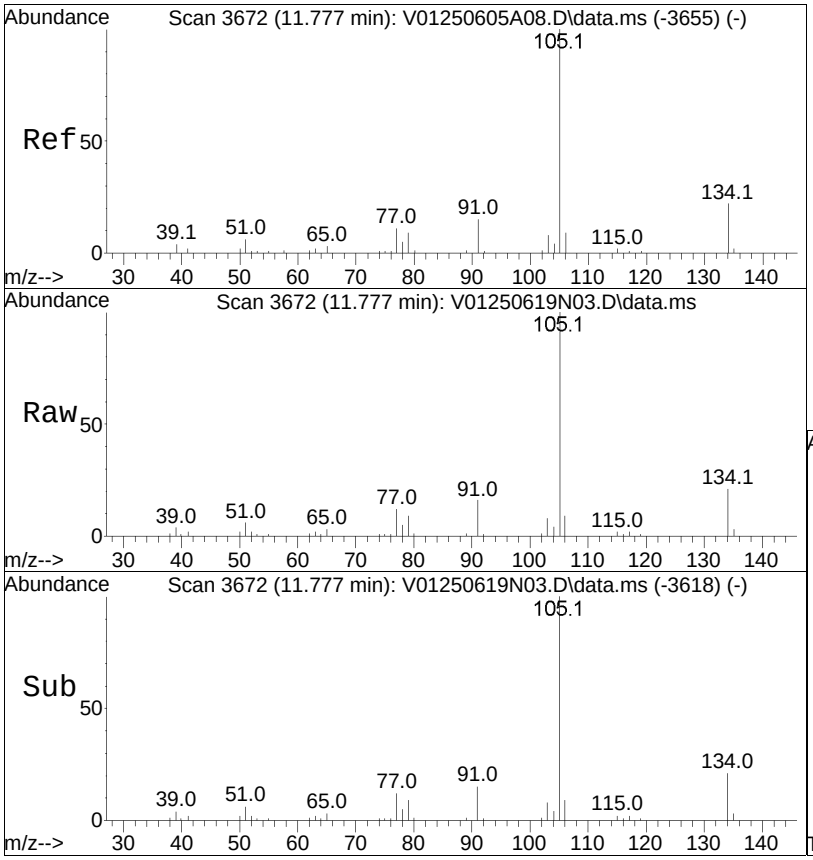


#97
1,2,4-Trimethylbenzene
Concen: 9.54 ug/L
RT: 11.665 min Scan# 3632
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:105 Resp: 205191

Ion	Ratio	Lower	Upper
105	100		
120	47.6	38.2	57.4

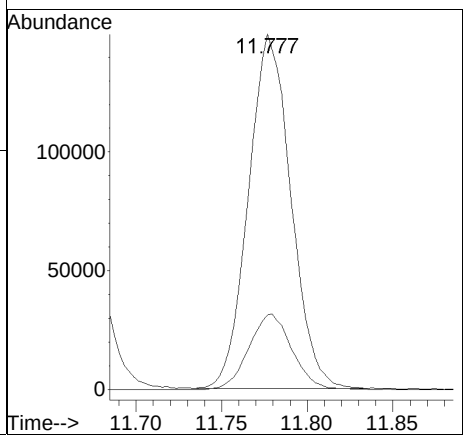


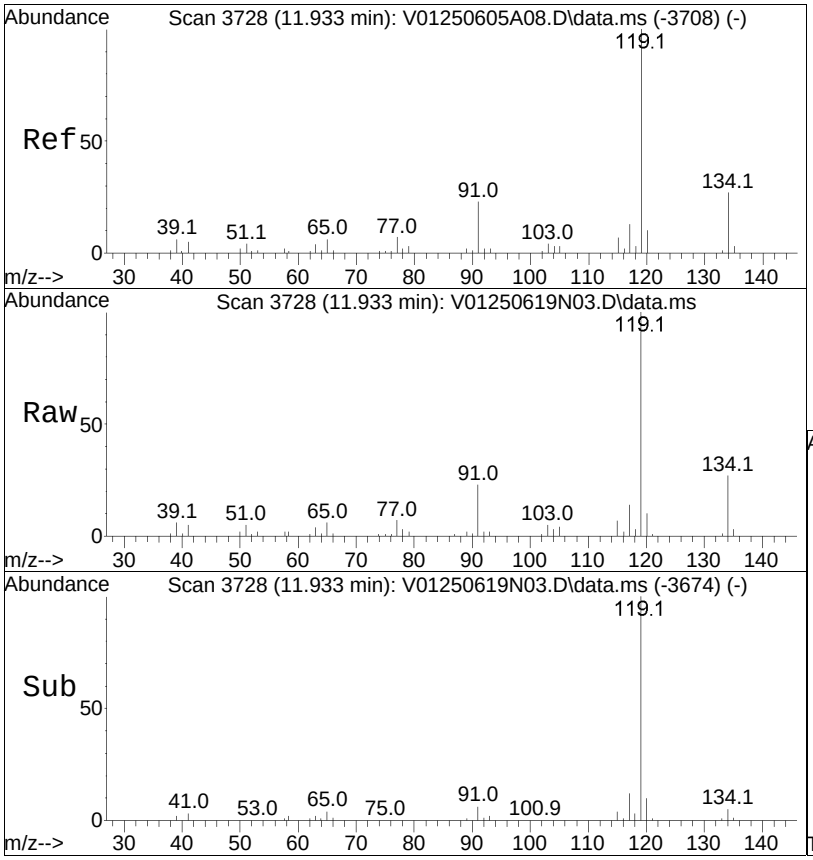


#98
sec-Butylbenzene
Concen: 9.63 ug/L
RT: 11.777 min Scan# 3672
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:105 Resp: 257460

Ion	Ratio	Lower	Upper
105	100		
134	21.4	14.0	29.2

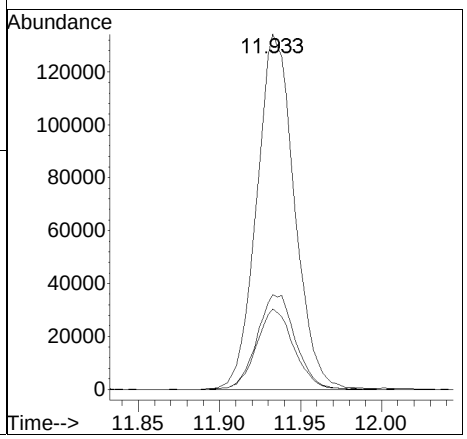


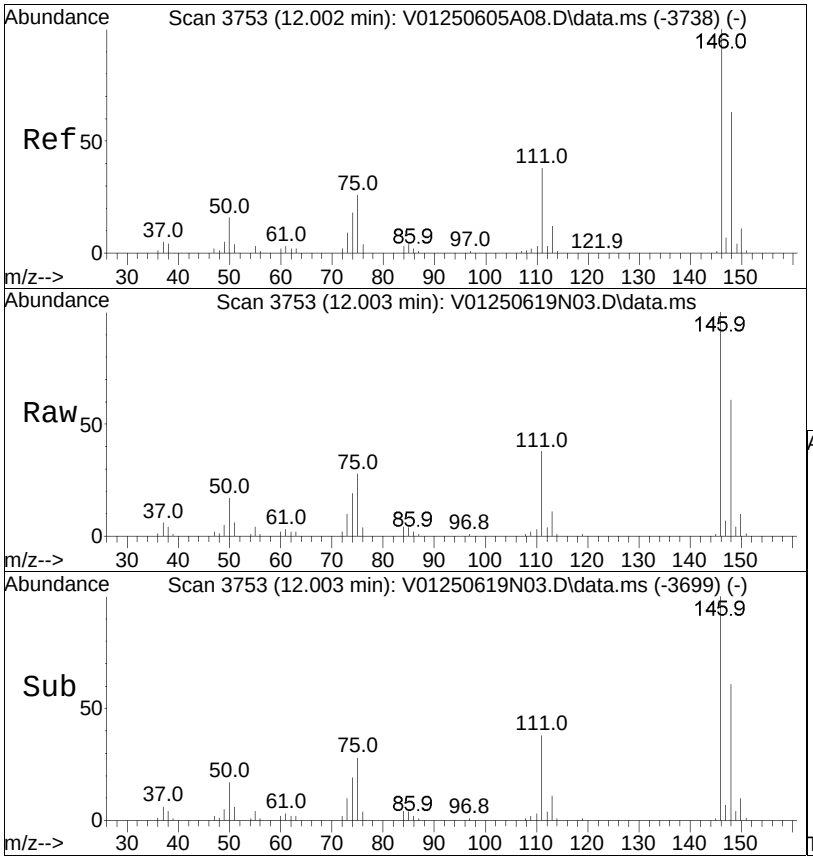


#99
p-Isopropyltoluene
Concen: 9.49 ug/L
RT: 11.933 min Scan# 3728
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:119 Resp: 216880

Ion	Ratio	Lower	Upper
119	100		
134	27.1	17.8	37.0
91	22.5	14.5	30.1

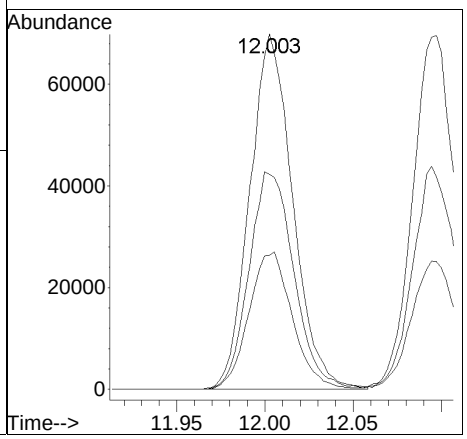


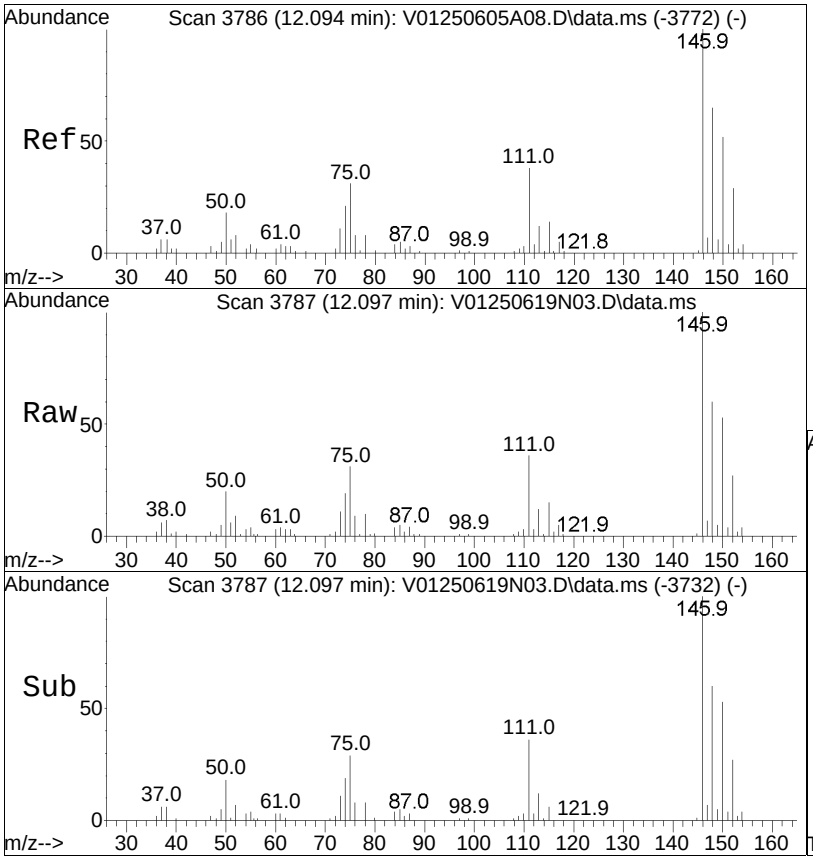


#100
1,3-Dichlorobenzene
Concen: 9.70 ug/L
RT: 12.003 min Scan# 3753
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:146 Resp: 118789

Ion	Ratio	Lower	Upper
146	100		
111	39.2	25.2	52.4
148	63.9	41.3	85.9

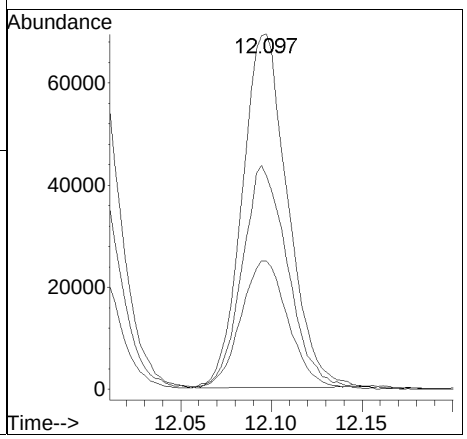


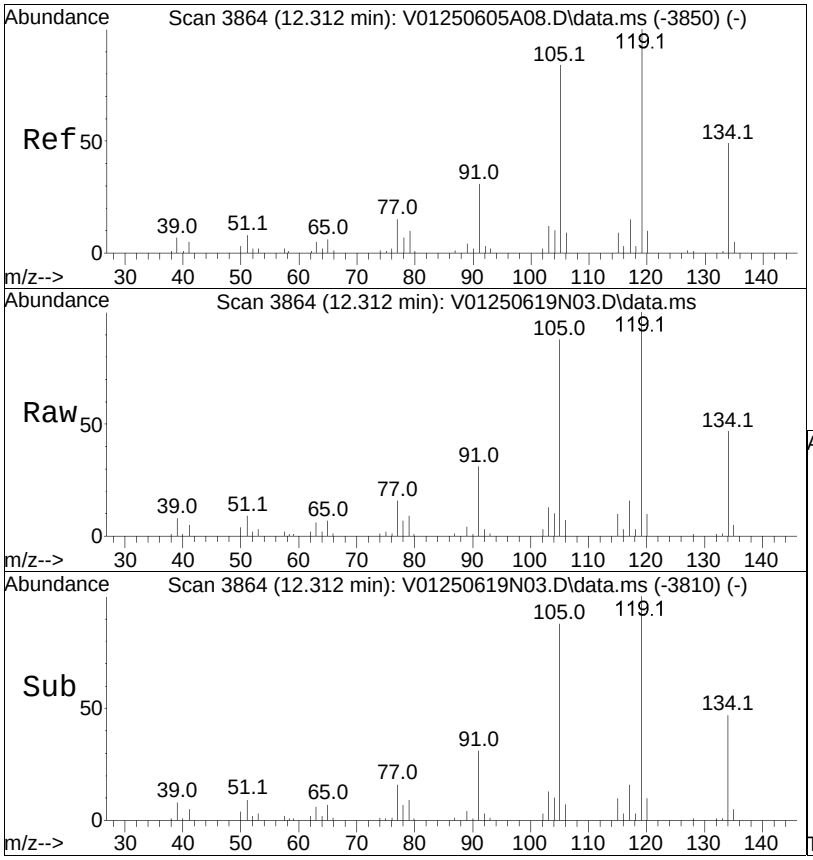


#101
1,4-Dichlorobenzene
Concen: 9.61 ug/L
RT: 12.097 min Scan# 3787
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:146 Resp: 121146

Ion	Ratio	Lower	Upper
146	100		
111	38.7	30.1	45.1
148	63.7	50.8	76.2

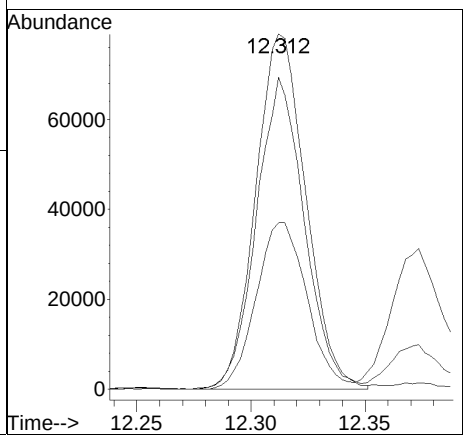


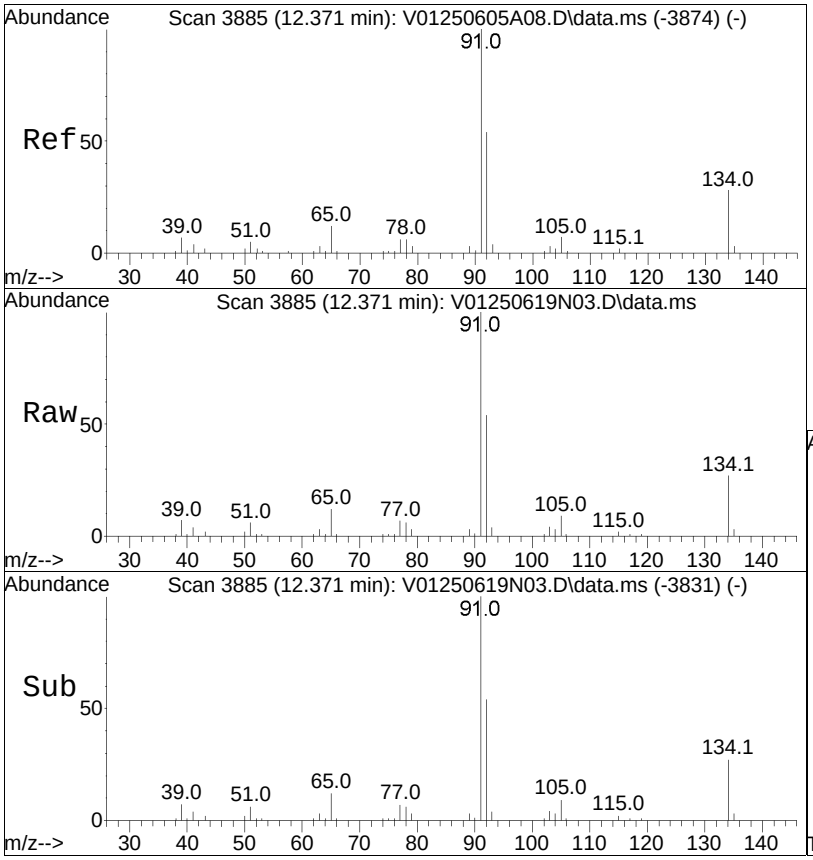


#102
p-Diethylbenzene
Concen: 9.27 ug/L
RT: 12.312 min Scan# 3864
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:119 Resp: 120828

Ion	Ratio	Lower	Upper
119	100		
105	84.0	53.6	111.4
134	47.7	30.7	63.9

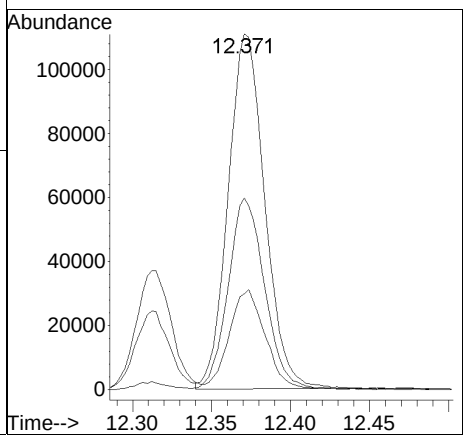


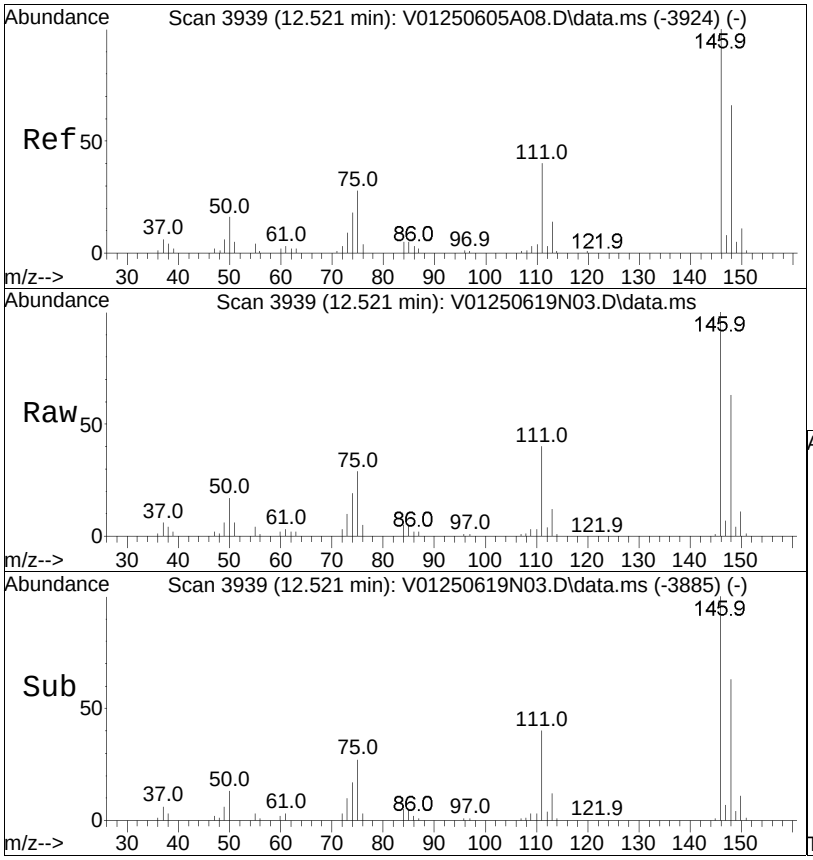


#103
n-Butylbenzene
Concen: 9.87 ug/L
RT: 12.371 min Scan# 3885
Delta R.T. -0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion: 91 Resp: 178759

Ion	Ratio	Lower	Upper
91	100		
92	54.0	44.4	66.6
134	27.3	23.2	34.8

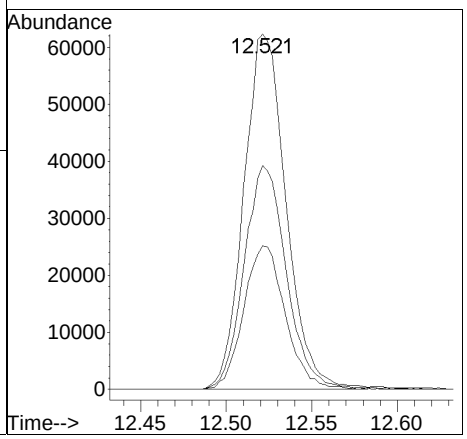


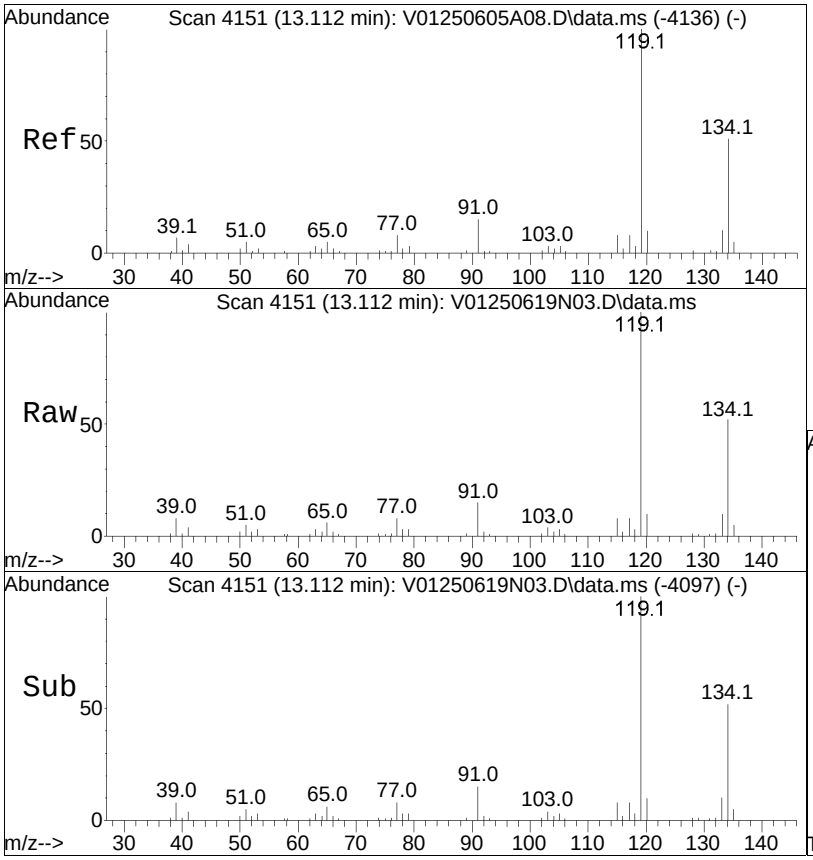


#104
1,2-Dichlorobenzene
Concen: 9.86 ug/L
RT: 12.521 min Scan# 3939
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:146 Resp: 107063

Ion	Ratio	Lower	Upper
146	100		
111	39.9	26.2	54.4
148	63.0	41.5	86.3

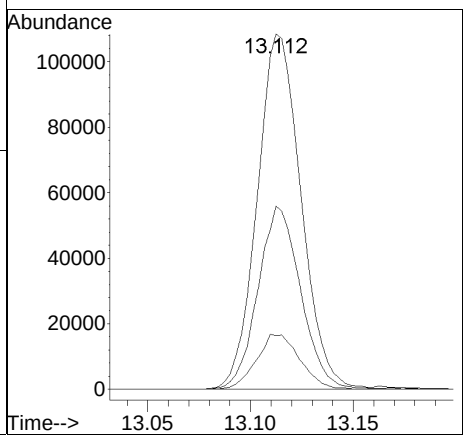


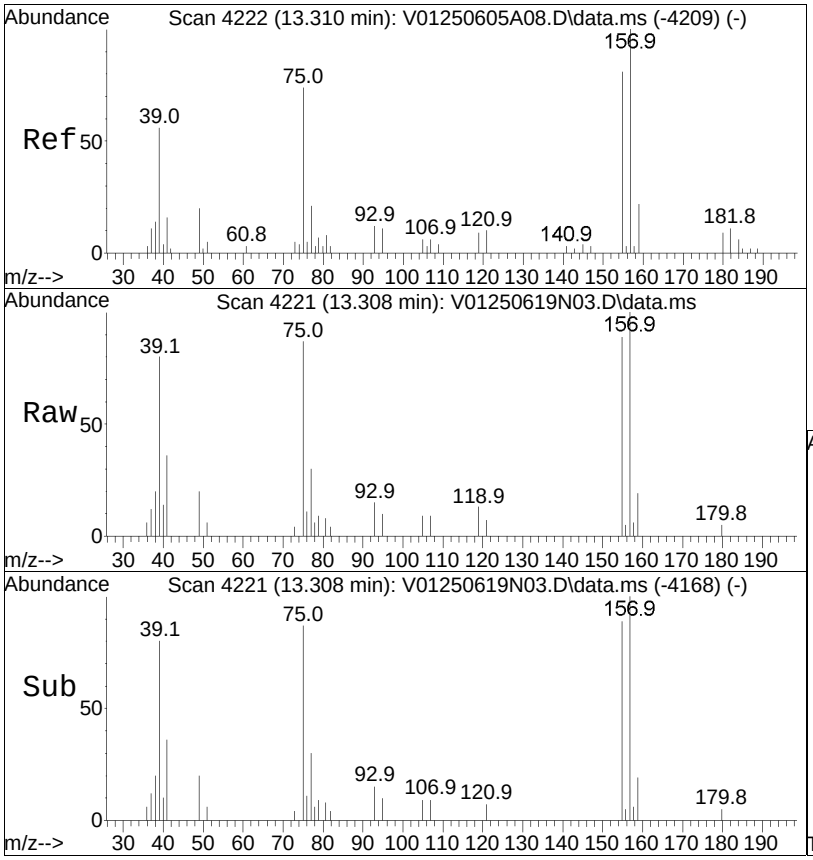


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.75 ug/L
RT: 13.112 min Scan# 4151
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:119 Resp: 160717

Ion	Ratio	Lower	Upper
119	100		
134	50.2	32.3	67.1
91	15.5	9.8	20.3

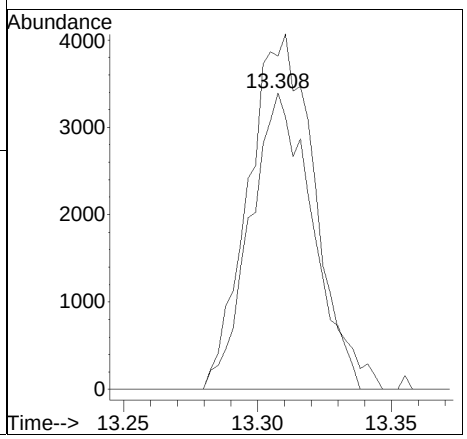


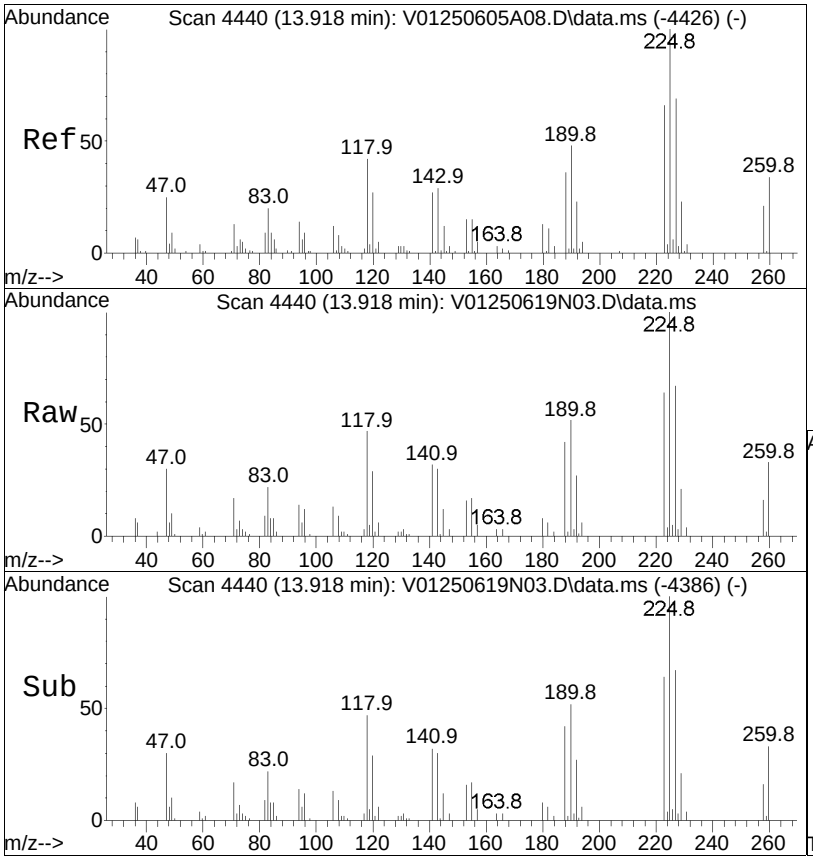


#106
1,2-Dibromo-3-chloropropane
Concen: 8.09 ug/L
RT: 13.308 min Scan# 4221
Delta R.T. -0.002 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:155 Resp: 5441

Ion	Ratio	Lower	Upper
155	100		
157	129.5	104.3	156.5

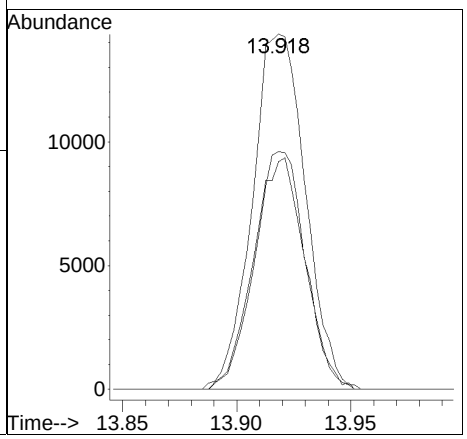


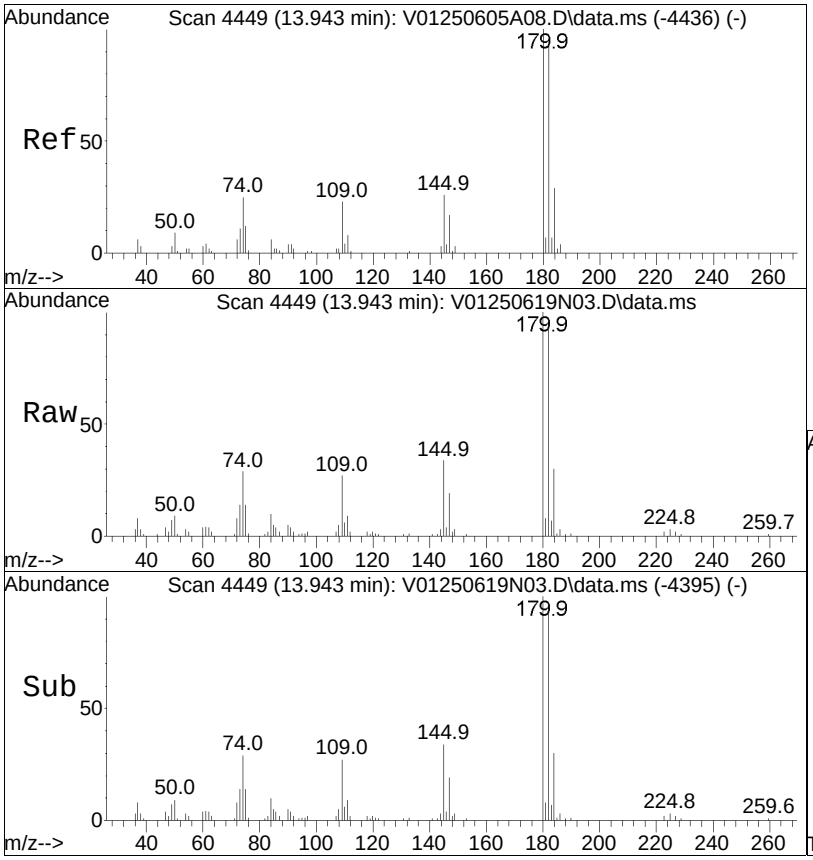


#108
Hexachlorobutadiene
Concen: 8.72 ug/L
RT: 13.918 min Scan# 4440
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:225 Resp: 23286

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	64.2	51.8	77.8

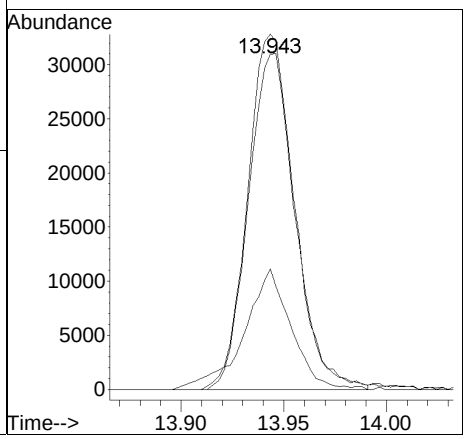


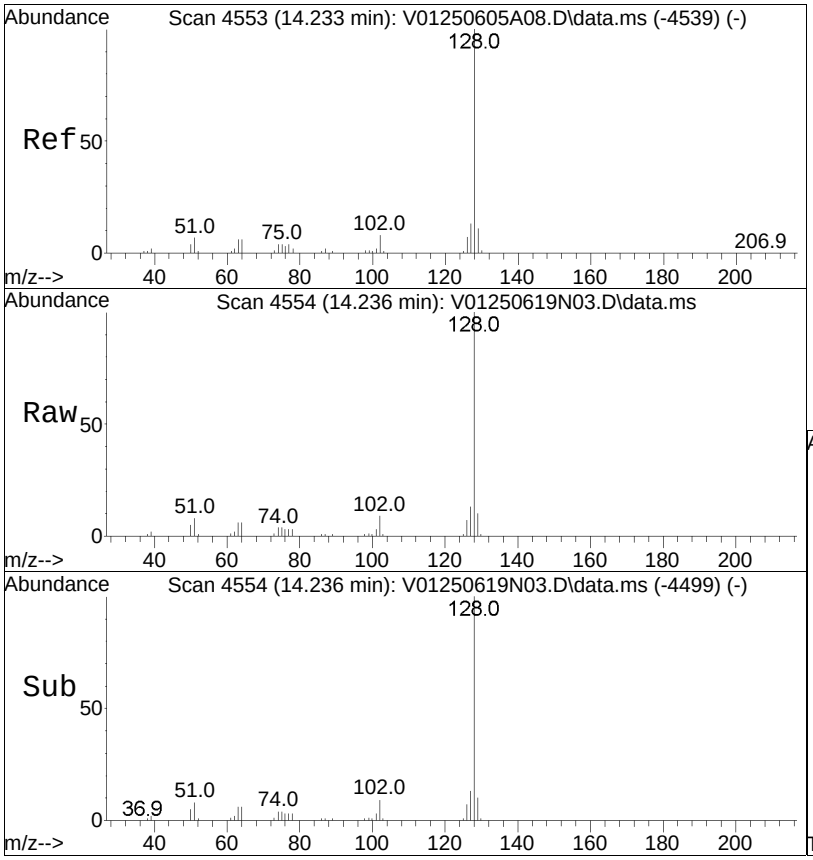


#109
1,2,4-Trichlorobenzene
Concen: 8.84 ug/L
RT: 13.943 min Scan# 4449
Delta R.T. 0.000 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:180 Resp: 51948

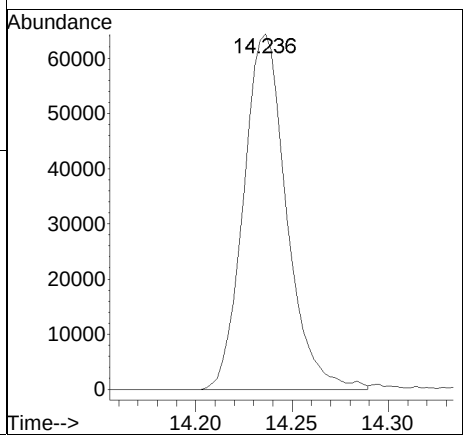
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.2	115.8
145	33.9	26.1	39.1

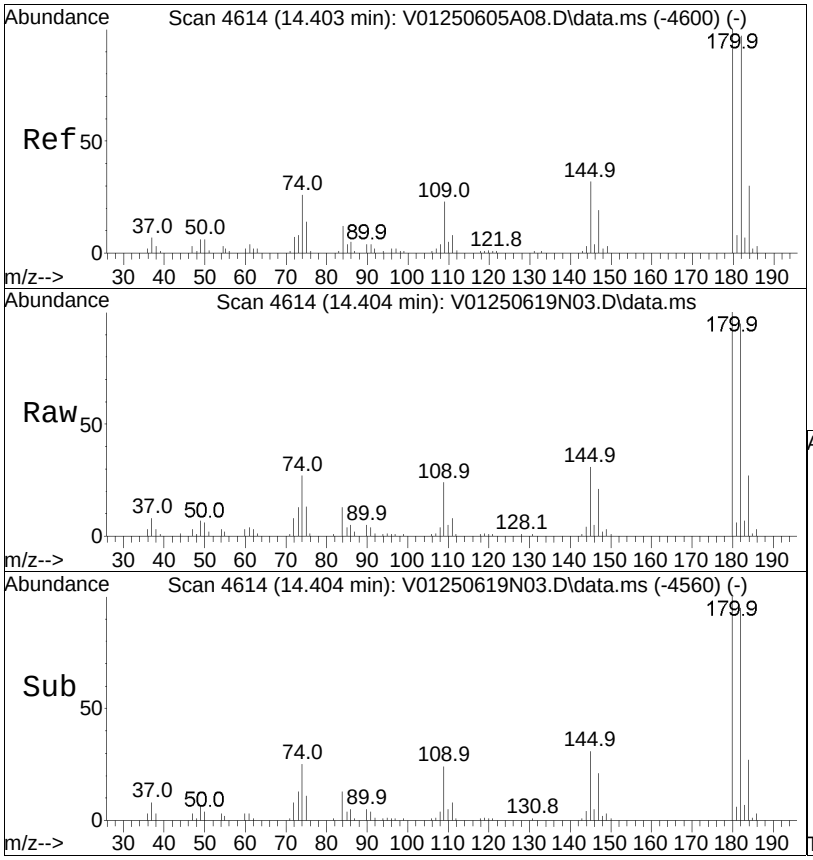




#110
Naphthalene
Concen: 9.42 ug/L
RT: 14.236 min Scan# 4554
Delta R.T. 0.003 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:128 Resp: 100112

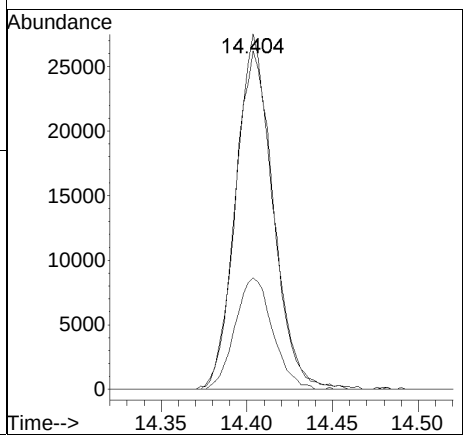




#111
1,2,3-Trichlorobenzene
Concen: 9.26 ug/L
RT: 14.404 min Scan# 4614
Delta R.T. 0.001 min
Lab File: V01250619N03.D
Acq: 19 Jun 2025 8:58 pm

Tgt Ion:180 Resp: 41594

Ion	Ratio	Lower	Upper
180	100		
182	97.1	78.1	117.1
145	31.8	25.3	37.9



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N03.D	Operator	: VOA101:TMS
Date Inj'd	: 6/19/2025 8:58 pm	Instrument	: VOA 101
Sample	: WG2081999-4,31,10,10	Quant Date	: 6/19/2025 11:25 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B06.D
Acq On : 20 Jun 2025 12:08 pm
Operator : VOA130:PID
Sample : WG2082353-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 12:39:27 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.050	96	290343	10.000	ug/L		0.00
Standard Area 1 = 289219			Recovery = 100.39%				
63) Chlorobenzene-d5	9.587	117	246572	10.000	ug/L	#	0.00
Standard Area 1 = 244984			Recovery = 100.65%				
84) 1,4-Dichlorobenzene-d4	12.287	152	159529	10.000	ug/L		0.00
Standard Area 1 = 158819			Recovery = 100.45%				
System Monitoring Compounds							
39) Dibromofluoromethane	5.238	113	99020	10.946	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.46%				
47) 1,2-Dichloroethane-d4	5.755	65	79684	10.065	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.65%				
64) Toluene-d8	7.747	98	319697	9.824	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.24%				
88) 4-Bromofluorobenzene	11.080	95	118308	9.244	ug/L		0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 92.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.660	85	81685	11.973	ug/L		93
3) Chloromethane	1.846	50	79956	11.351	ug/L		98
4) Vinyl chloride	1.926	62	80545	11.819	ug/L		99
5) Bromomethane	2.238	94	39447	8.730	ug/L		99
6) Chloroethane	2.358	64	53430	13.438	ug/L		99
7) Trichlorofluoromethane	2.498	101	109687	13.266	ug/L		98
8) Ethyl ether	2.790	74	25403	9.617	ug/L		80
10) 1,1-Dichloroethene	2.990	96	66104	12.305	ug/L	#	68
11) Carbon disulfide	3.023	76	190696	12.698	ug/L		100
15) Methylene chloride	3.542	84	74012	11.947	ug/L		77
17) Acetone	3.568	43	8680	8.878	ug/L	#	88
18) trans-1,2-Dichloroethene	3.695	96	69501	12.106	ug/L		78
21) Methyl tert-butyl ether	3.788	73	80466	7.257	ug/L		91
25) 1,1-Dichloroethane	4.273	63	129336	12.599	ug/L		97
27) Acrylonitrile	4.307	53	11732	10.312	ug/L		94
29) Vinyl acetate	4.506	43	55532	9.127	ug/L	#	91
30) cis-1,2-Dichloroethene	4.792	96	76630	11.712	ug/L	#	78
31) 2,2-Dichloropropane	4.899	77	96166	12.082	ug/L		79
33) Bromochloromethane	4.985	128	36636	11.529	ug/L	#	54
35) Chloroform	5.058	83	125007	11.722	ug/L		92

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B06.D
Acq On : 20 Jun 2025 12:08 pm
Operator : VOA130:PID
Sample : WG2082353-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 12:39:27 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	5.204	117	86330	11.647	ug/L		98
40) 1,1,1-Trichloroethane	5.264	97	96116	11.647	ug/L		90
42) 2-Butanone	5.344	43	8625M3	7.501	ug/L		
43) 1,1-Dichloropropene	5.384	75	63804	10.120	ug/L		91
45) Benzene	5.625	78	213283	10.592	ug/L		94
48) 1,2-Dichloroethane	5.824	62	63765	10.446	ug/L	#	97
52) Trichloroethene	6.228	95	52462	9.905	ug/L	#	85
54) Dibromomethane	6.665	93	31058	10.204	ug/L	#	79
55) 1,2-Dichloropropane	6.768	63	48611	9.921	ug/L		97
58) Bromodichloromethane	6.837	83	67901	9.599	ug/L	#	97
61) 1,4-Dioxane	7.049	88	12750	380.531	ug/L	#	86
62) cis-1,3-Dichloropropene	7.528	75	70628	9.185	ug/L	#	78
65) Toluene	7.801	92	149541	10.722	ug/L		98
66) 4-Methyl-2-pentanone	8.232	58	7914	7.610	ug/L	#	69
67) Tetrachloroethene	8.253	166	69285	10.903	ug/L	#	88
69) trans-1,3-Dichloropropene	8.280	75	57346	8.566	ug/L	#	75
72) 1,1,2-Trichloroethane	8.465	83	27358	8.155	ug/L		95
73) Chlorodibromomethane	8.677	129	43496	8.200	ug/L	#	96
74) 1,3-Dichloropropane	8.787	76	59400	8.494	ug/L		99
75) 1,2-Dibromoethane	8.951	107	34062	8.441	ug/L		96
77) 2-Hexanone	9.245	43	13048	7.663	ug/L		94
78) Chlorobenzene	9.608	112	168817	10.696	ug/L		98
79) Ethylbenzene	9.649	91	288650	10.978	ug/L		95
80) 1,1,1,2-Tetrachloroethane	9.690	131	48769	9.134	ug/L		98
81) p/m Xylene	9.840	106	245462	22.800	ug/L		86
82) o Xylene	10.374	106	237396	22.535	ug/L		87
83) Styrene	10.443	104	380695	22.040	ug/L		89
85) Bromoform	10.463	173	27666	7.980	ug/L		98
87) Isopropylbenzene	10.758	105	294498	10.100	ug/L		96
89) Bromobenzene	11.190	156	77791	10.089	ug/L		99
90) n-Propylbenzene	11.238	91	353650	10.506	ug/L		93
92) 1,1,2,2-Tetrachloroethane	11.320	83	38583	8.055	ug/L	#	97
93) 4-Ethyltoluene	11.361	105	306457	10.678	ug/L		96
94) 2-Chlorotoluene	11.402	91	212868M6	10.476	ug/L		
95) 1,3,5-Trimethylbenzene	11.457	105	254503	10.724	ug/L		92
96) 1,2,3-Trichloropropane	11.457	75	31108	8.156	ug/L		85
97) trans-1,4-Dichloro-2-b...	11.505	53	8958	7.917	ug/L	#	80
98) 4-Chlorotoluene	11.588	91	222666	10.362	ug/L	#	87
99) tert-Butylbenzene	11.800	119	224197	10.348	ug/L		88

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B06.D
Acq On : 20 Jun 2025 12:08 pm
Operator : VOA130:PID
Sample : WG2082353-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 12:39:27 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA130\2025\250620B\V30250620B05.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
102) 1,2,4-Trimethylbenzene	11.876	105	249040	10.858	ug/L		94
103) sec-Butylbenzene	11.992	105	321047	10.628	ug/L		91
104) p-Isopropyltoluene	12.143	119	282951	10.698	ug/L		94
105) 1,3-Dichlorobenzene	12.212	146	161516	10.719	ug/L		95
106) 1,4-Dichlorobenzene	12.301	146	160694	10.549	ug/L		95
107) p-Diethylbenzene	12.521	119	163141	10.702	ug/L		92
108) n-Butylbenzene	12.575	91	229257	11.106	ug/L	#	96
109) 1,2-Dichlorobenzene	12.726	146	146933	10.511	ug/L		95
110) 1,2,4,5-Tetramethylben...	13.309	119	245692	11.186	ug/L		92
111) 1,2-Dibromo-3-chloropr...	13.502	155	7263	8.547	ug/L		98
113) Hexachlorobutadiene	14.112	225	42412	11.041	ug/L		99
114) 1,2,4-Trichlorobenzene	14.133	180	103936	11.424	ug/L		97
115) Naphthalene	14.428	128	166356	9.373	ug/L		100
116) 1,2,3-Trichlorobenzene	14.592	180	95483	11.233	ug/L		97

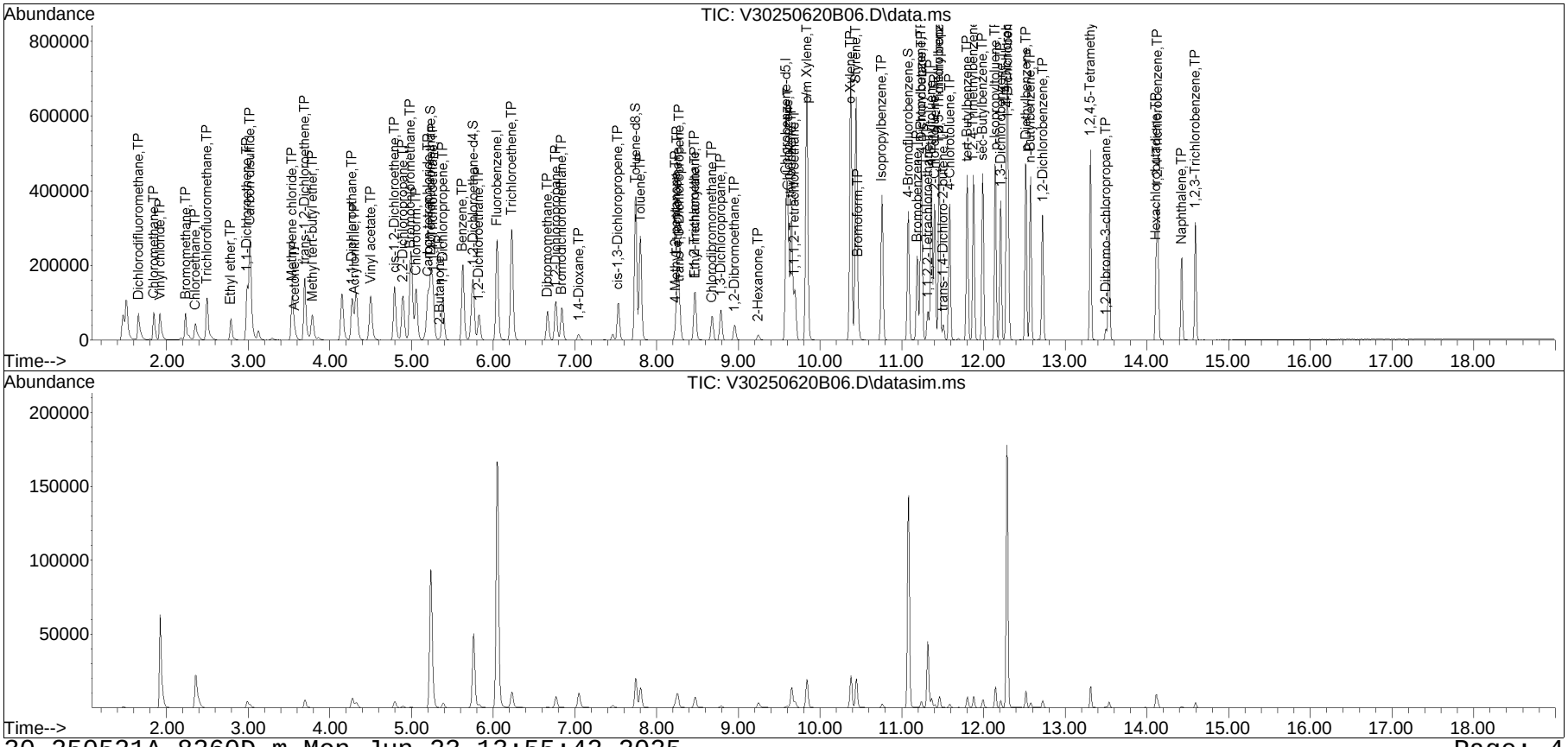
(#) = qualifier out of range (m) = manual integration (+) = signals summed

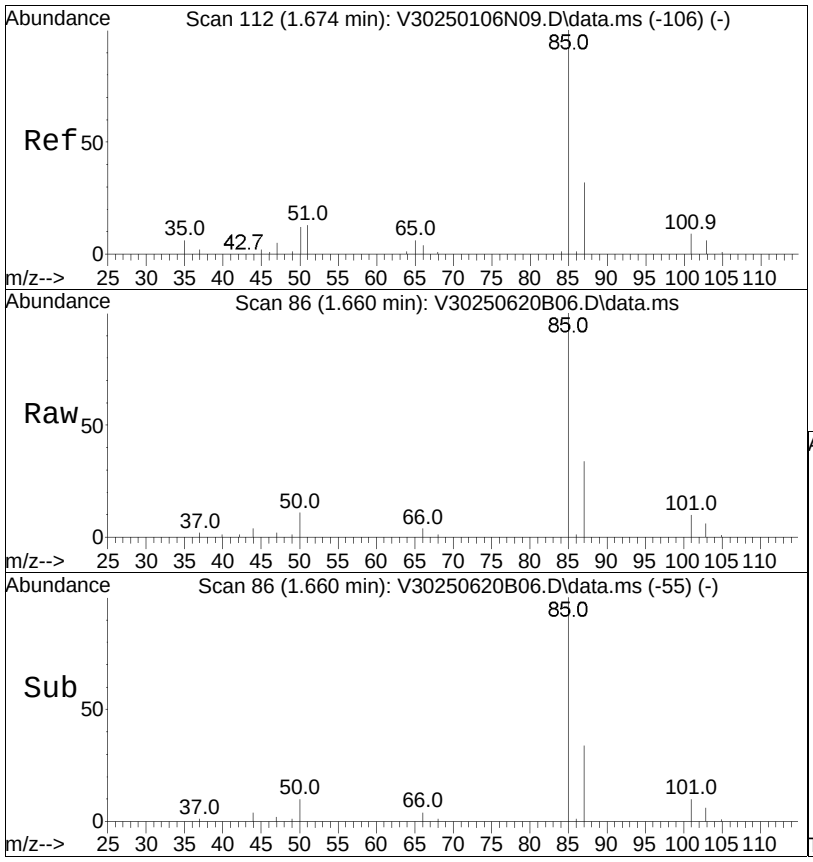
Quantitation Report (QT Reviewed)

Data Path : K:\VOA130\2025\250620B\
Data File : V30250620B06.D
Acq On : 20 Jun 2025 12:08 pm
Operator : VOA130:PID
Sample : WG2082353-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2082353,ICAL22295 (Sig #1); WG,ICAL22295 (Sig #2)
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 20 12:39:27 2025
Quant Method : K:\VOA130\2025\250620B\V130_250521A_8260D.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 09:12:33 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250620B05.D•

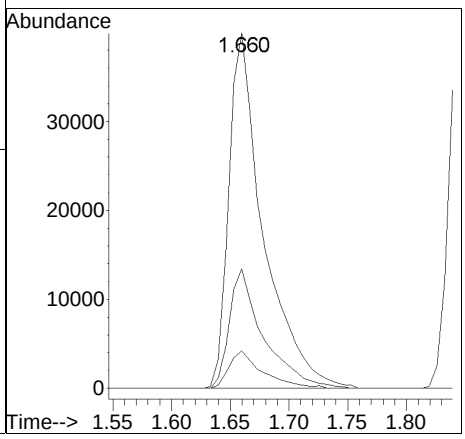


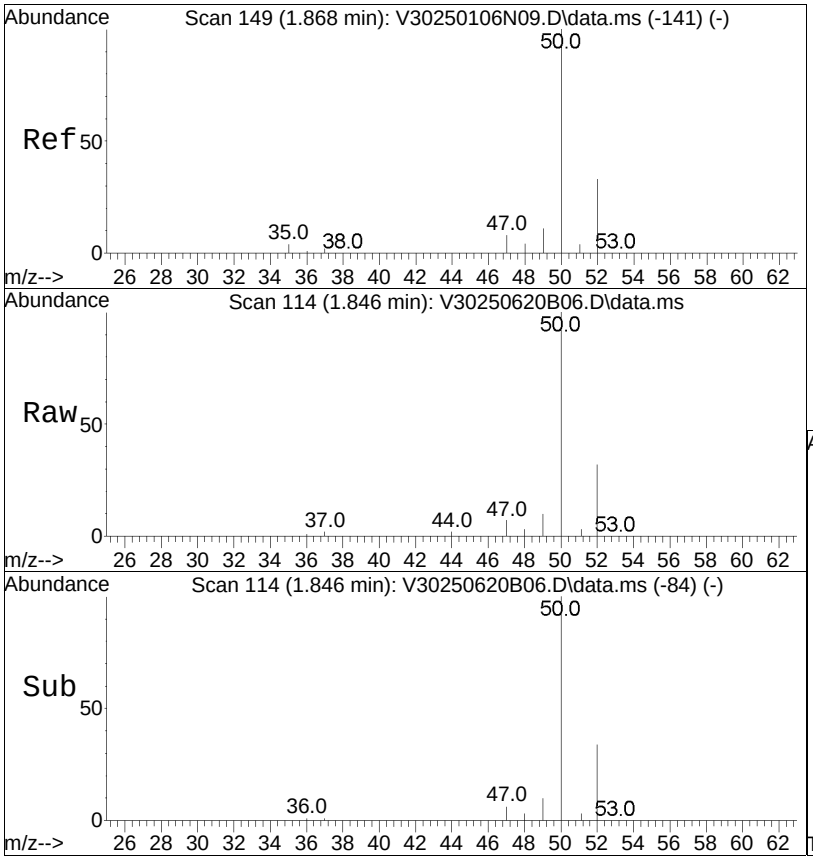


#2
Dichlorodifluoromethane
Concen: 11.97 ug/L
RT: 1.660 min Scan# 86
Delta R.T. 0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 85 Resp: 81685

Ion	Ratio	Lower	Upper
85	100		
87	33.4	20.2	42.0
50	10.4	10.1	20.9

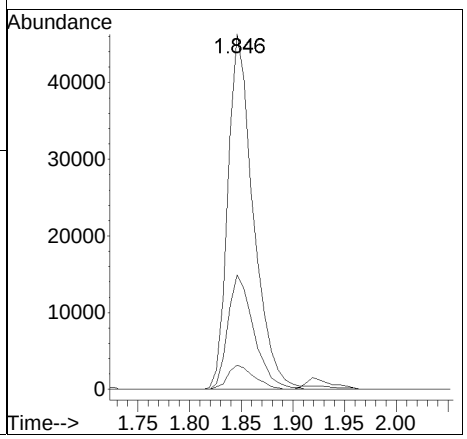


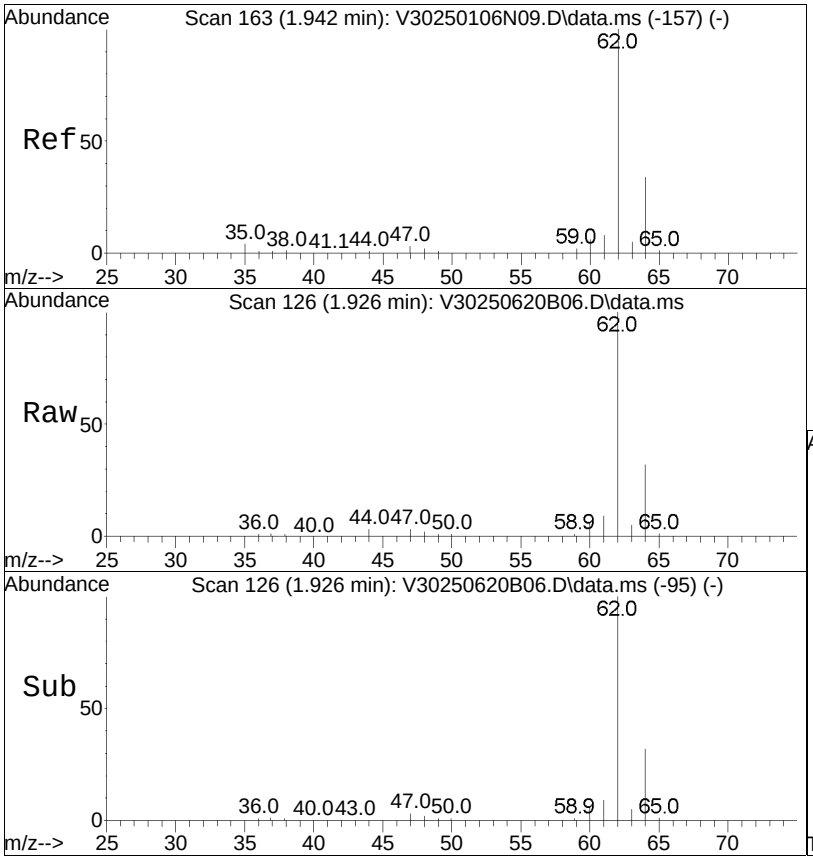


#3
Chloromethane
Concen: 11.35 ug/L
RT: 1.846 min Scan# 114
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 50 Resp: 79956

Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.1	37.7
47	7.1	6.5	9.7

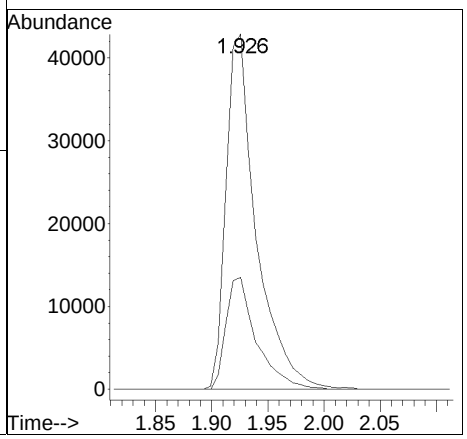


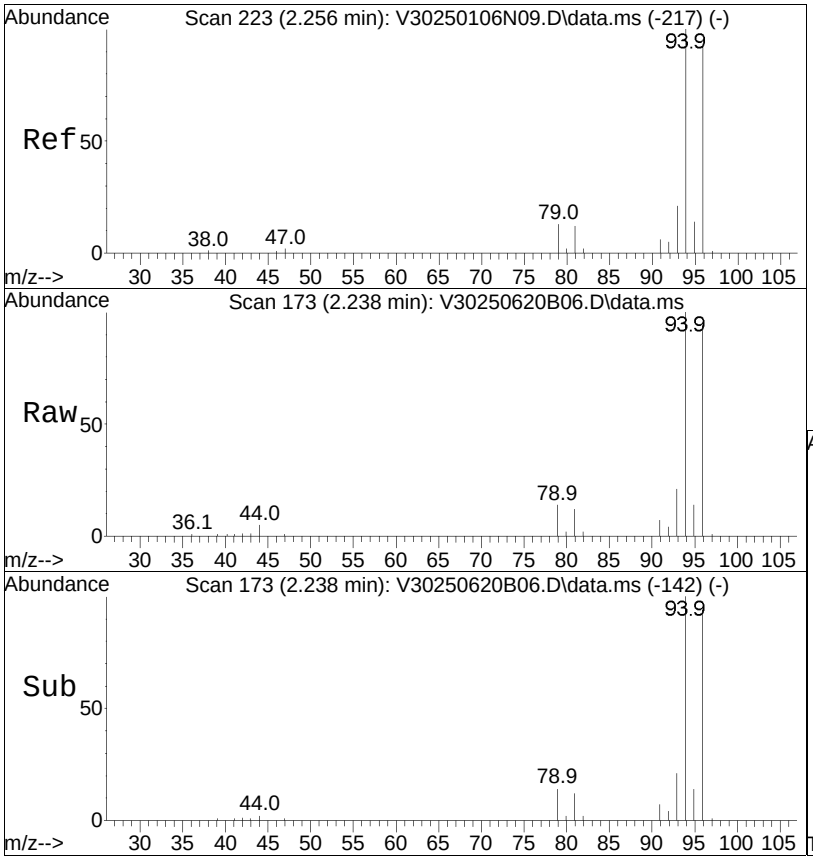


#4
Vinyl chloride
Concen: 11.82 ug/L
RT: 1.926 min Scan# 126
Delta R.T. 0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 62 Resp: 80545

Ion	Ratio	Lower	Upper
62	100		
64	31.8	25.7	38.5

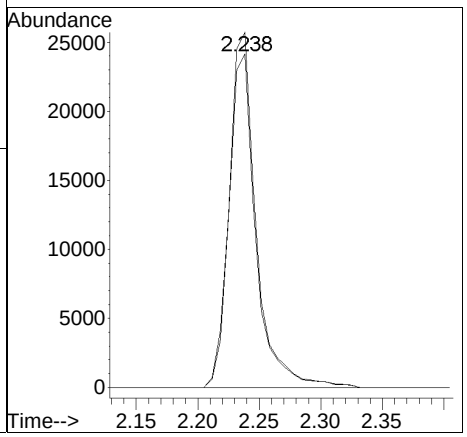


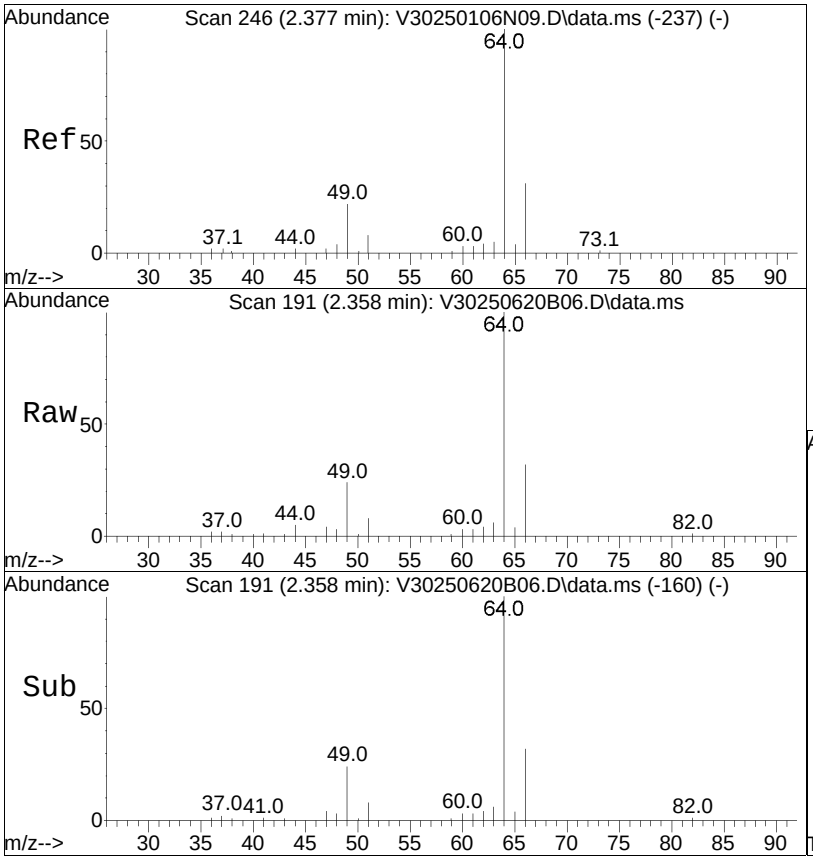


#5
Bromomethane
Concen: 8.73 ug/L
RT: 2.238 min Scan# 173
Delta R.T. 0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 94 Resp: 39447

Ion	Ratio	Lower	Upper
94	100		
96	93.2	73.7	110.5

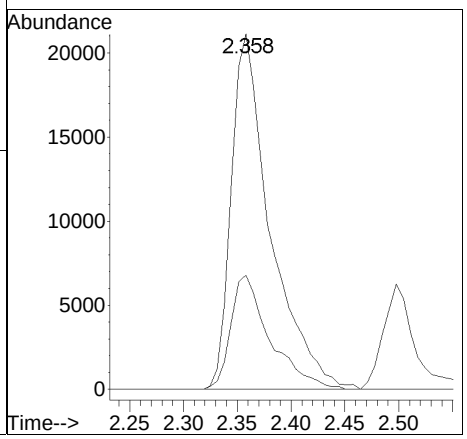


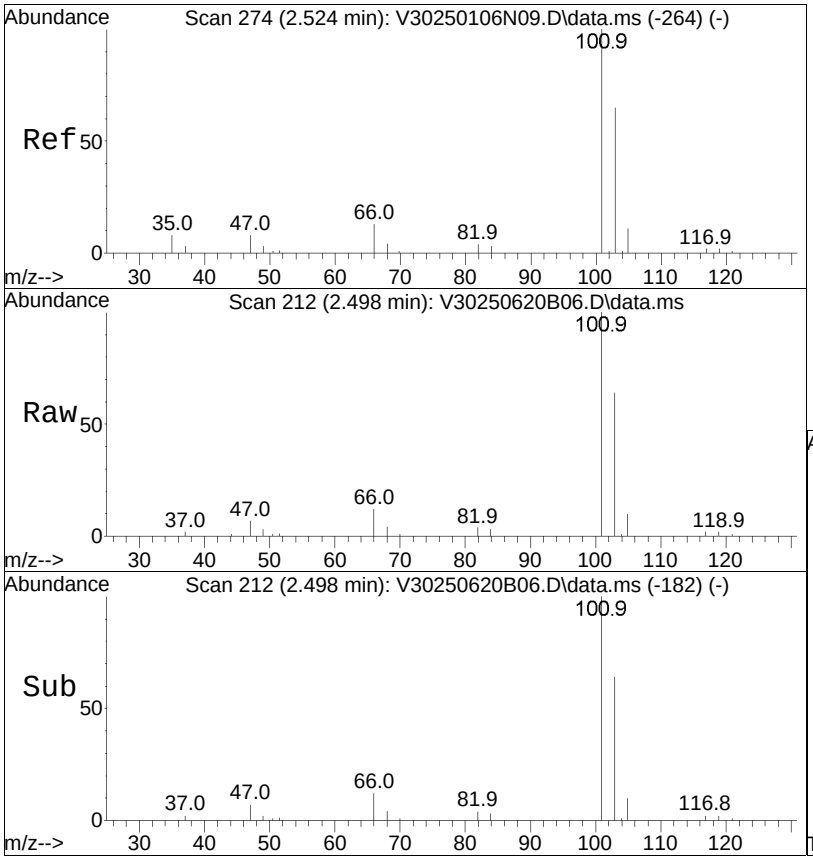


#6
Chloroethane
Concen: 13.44 ug/L
RT: 2.358 min Scan# 191
Delta R.T. 0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 64 Resp: 53430

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.3	37.9

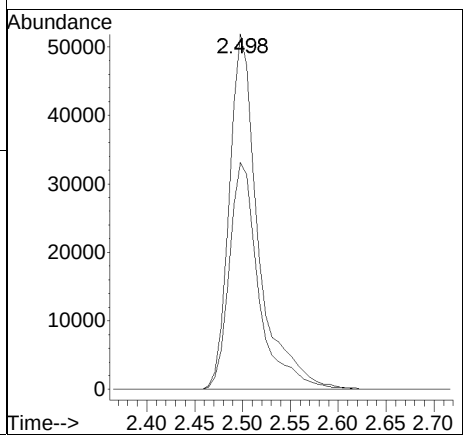


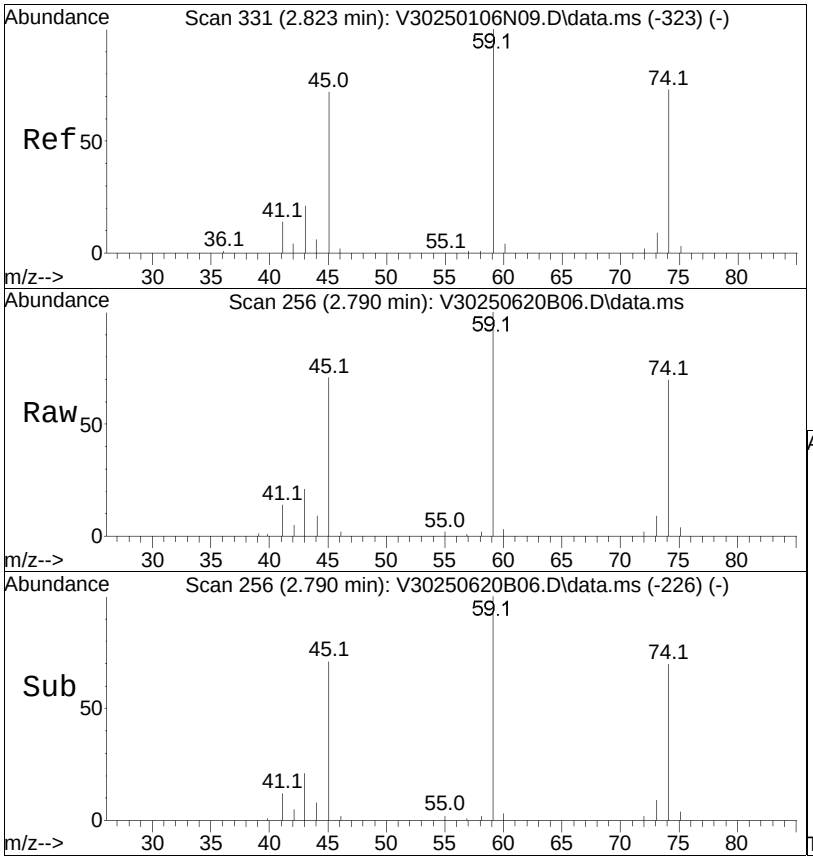


#7
Trichlorofluoromethane
Concen: 13.27 ug/L
RT: 2.498 min Scan# 212
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:101 Resp: 109687

Ion	Ratio	Lower	Upper
101	100		
103	65.3	51.0	76.4

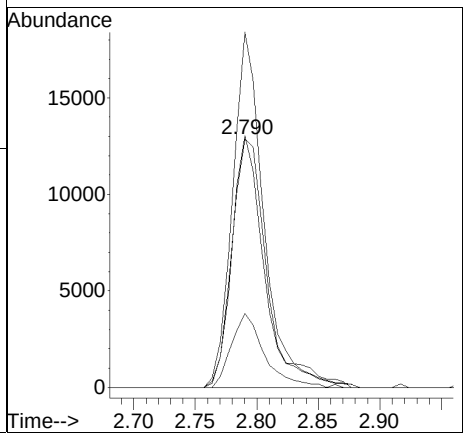


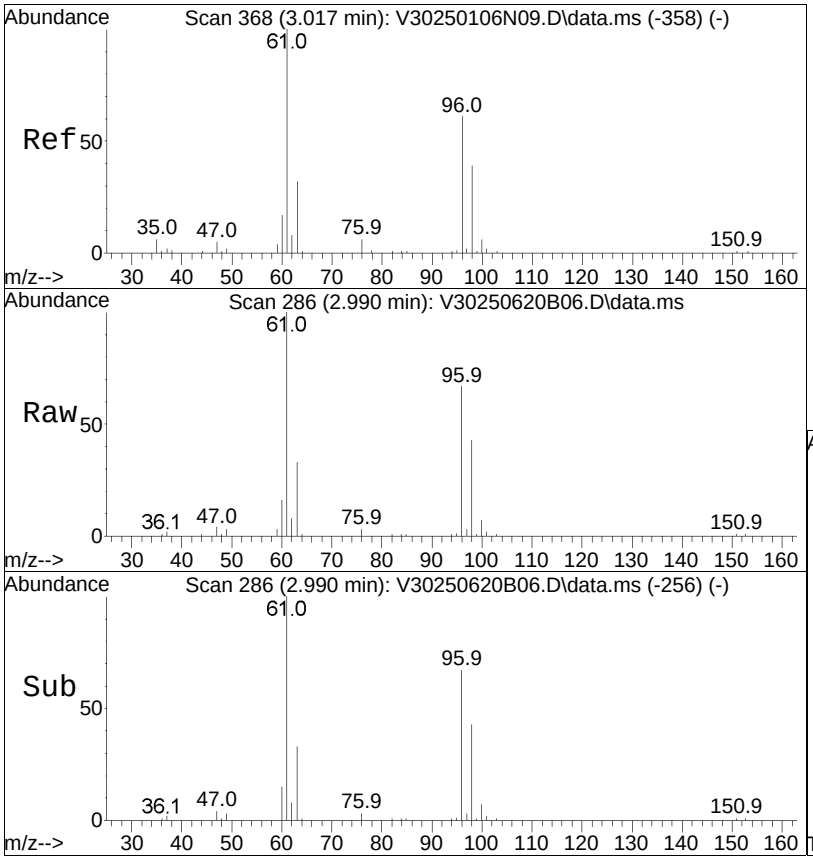


#8
Ethyl ether
Concen: 9.62 ug/L
RT: 2.790 min Scan# 256
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 74 Resp: 25403

Ion	Ratio	Lower	Upper
74	100		
59	129.9	97.6	202.8
45	93.9	80.6	167.4
43	28.4	24.8	51.6

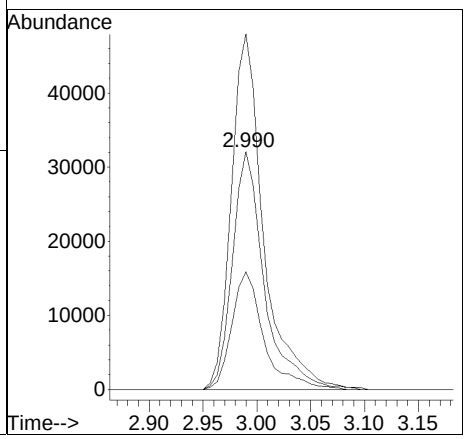


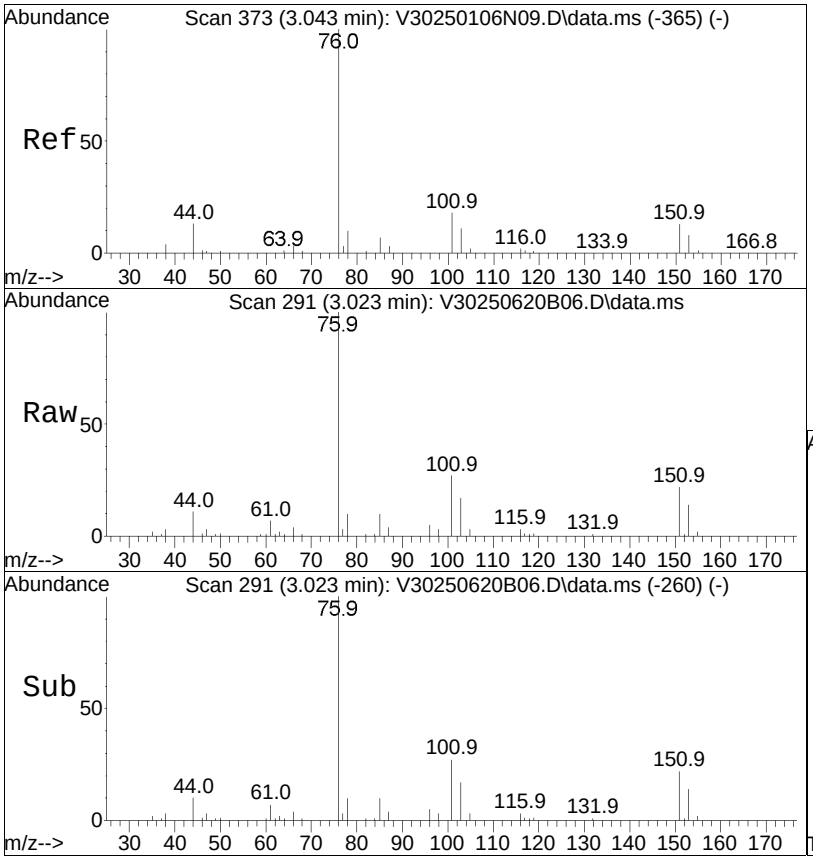


#10
1,1-Dichloroethene
Concen: 12.31 ug/L
RT: 2.990 min Scan# 286
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 96 Resp: 66104

Ion	Ratio	Lower	Upper
96	100		
61	151.3	165.5	248.3#
63	50.0	51.9	77.9#

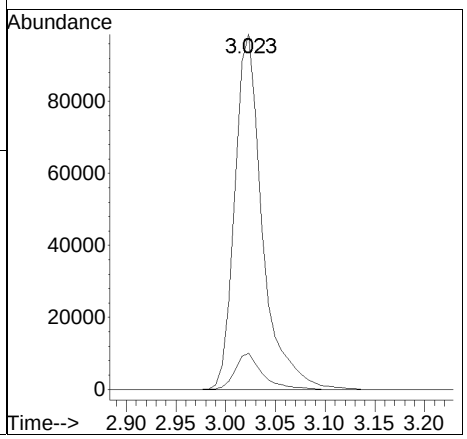


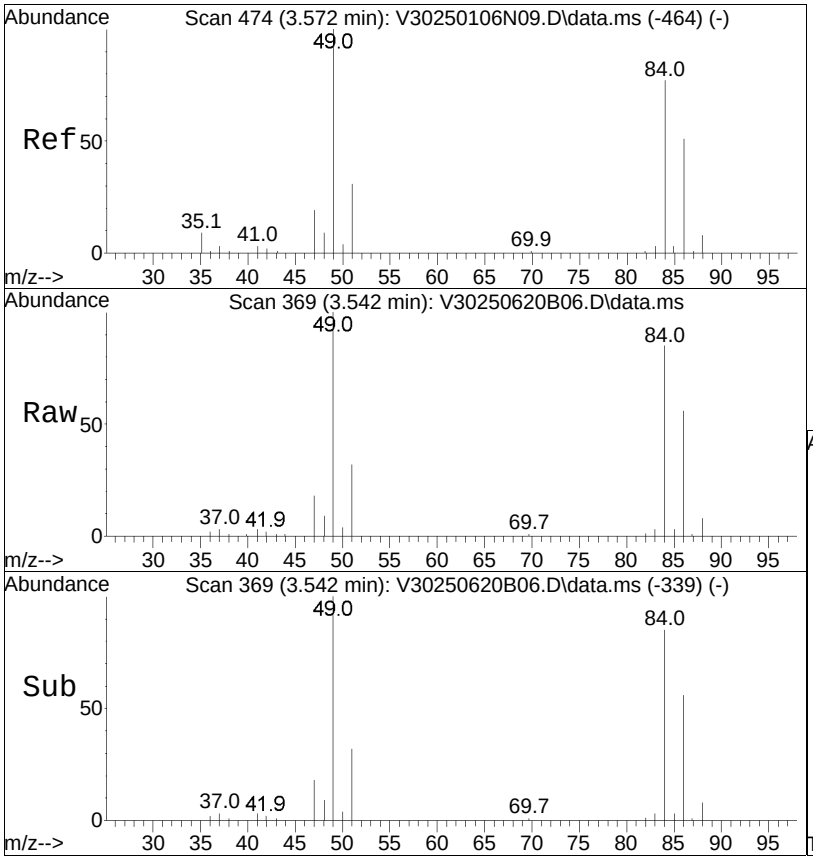


#11
Carbon disulfide
Concen: 12.70 ug/L
RT: 3.023 min Scan# 291
Delta R.T. 0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 76 Resp: 190696

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.4	13.4

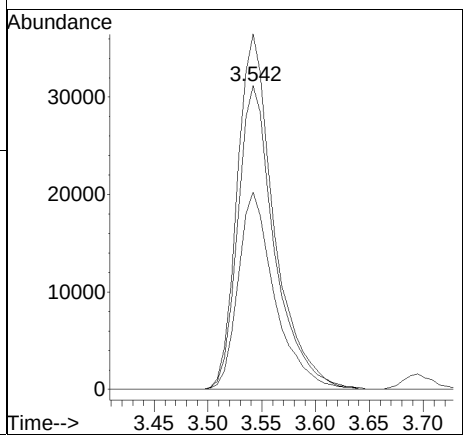


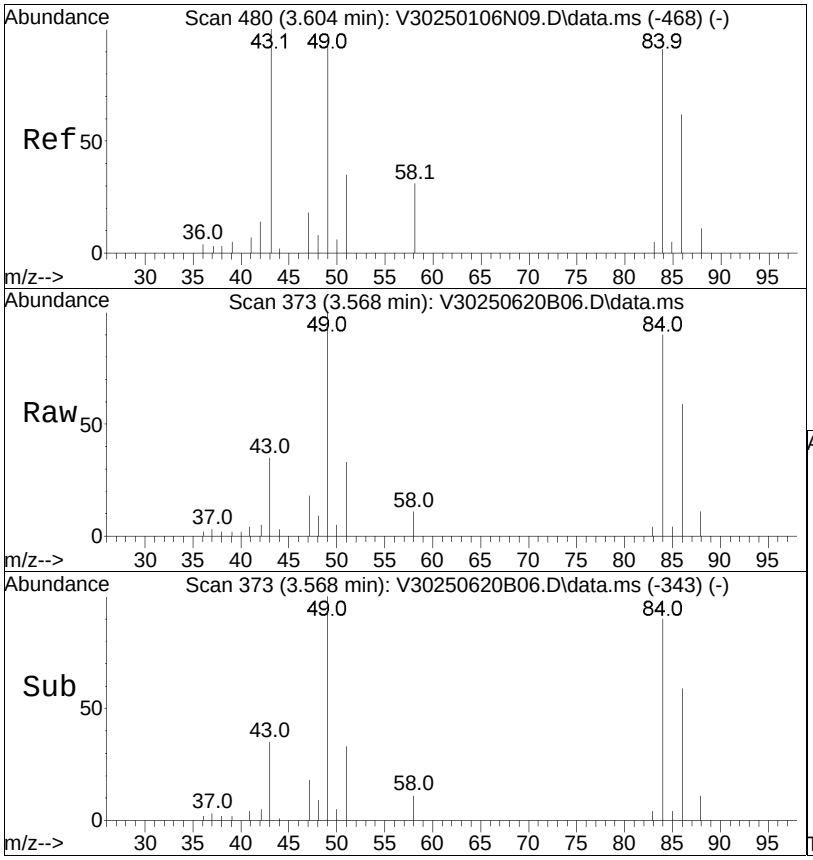


#15
Methylene chloride
Concen: 11.95 ug/L
RT: 3.542 min Scan# 369
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 84 Resp: 74012

Ion	Ratio	Lower	Upper
84	100		
86	64.8	41.7	86.5
49	117.5	103.9	215.9

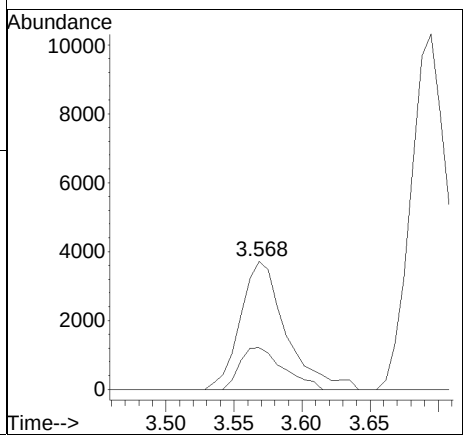


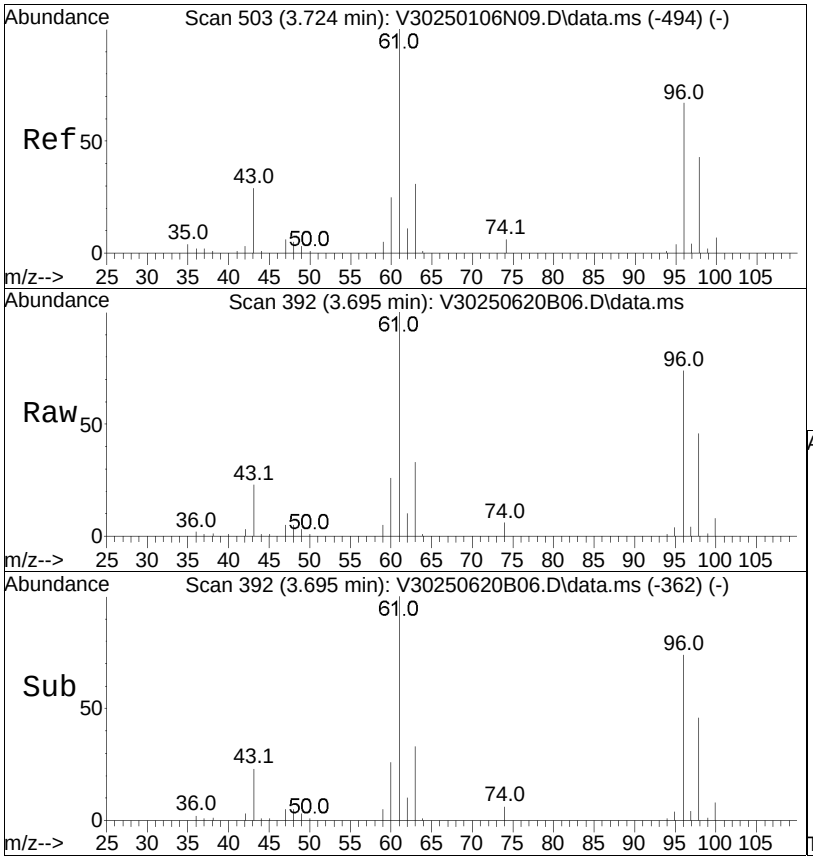


#17
Acetone
Concen: 8.88 ug/L
RT: 3.568 min Scan# 373
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 43 Resp: 8680

Ion	Ratio	Lower	Upper
43	100		
58	31.2	20.1	30.1#

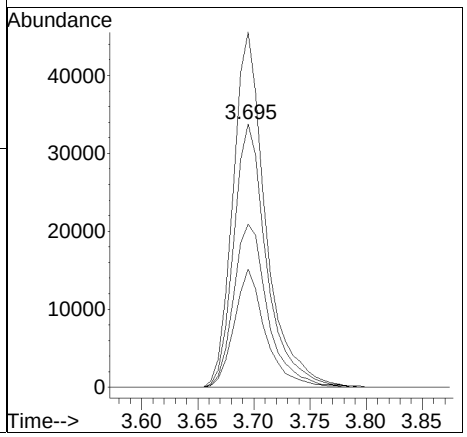


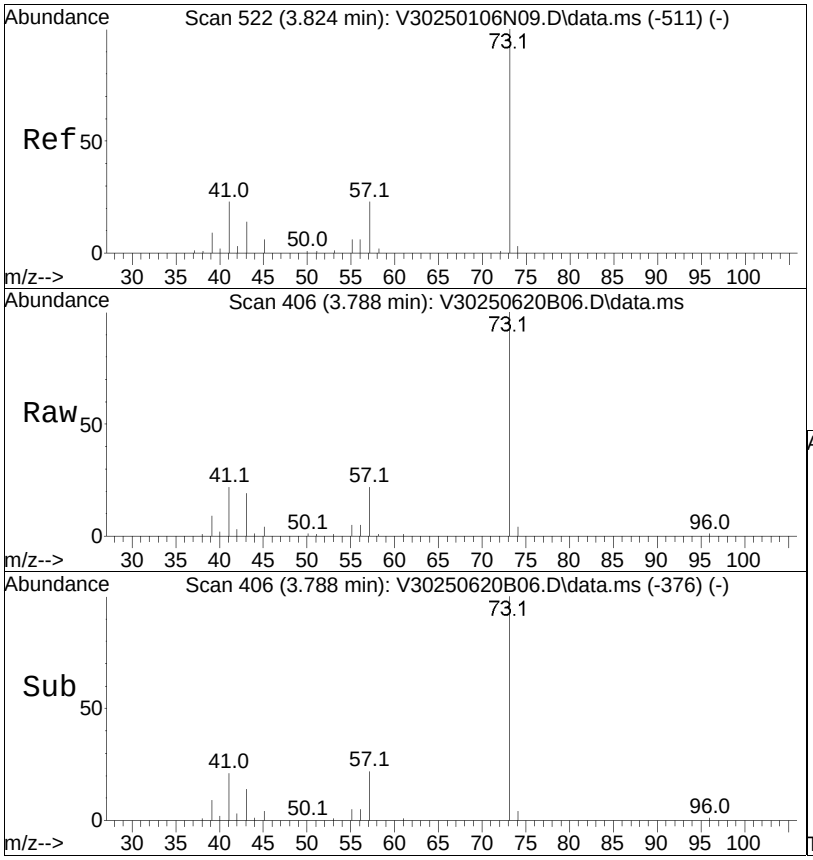


#18
trans-1,2-Dichloroethene
Concen: 12.11 ug/L
RT: 3.695 min Scan# 392
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 96 Resp: 69501

Ion	Ratio	Lower	Upper
96	100		
61	133.3	113.6	236.0
98	64.0	40.8	84.8
63	42.5	36.5	75.7

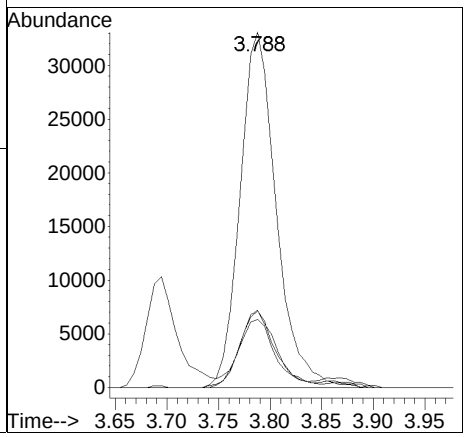


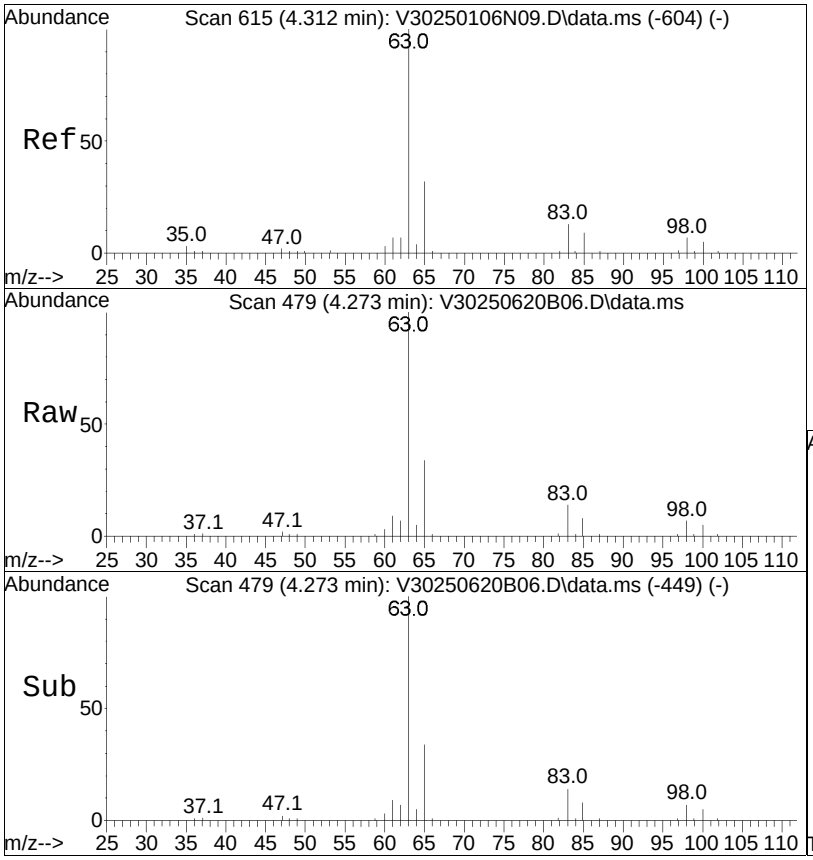


#21
Methyl tert-butyl ether
Concen: 7.26 ug/L
RT: 3.788 min Scan# 406
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 73 Resp: 80466

Ion	Ratio	Lower	Upper
73	100		
57	21.9	15.5	32.1
43	19.6	16.6	34.6
41	21.1	17.2	35.6

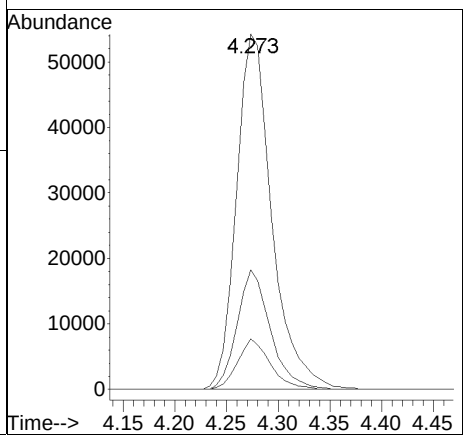


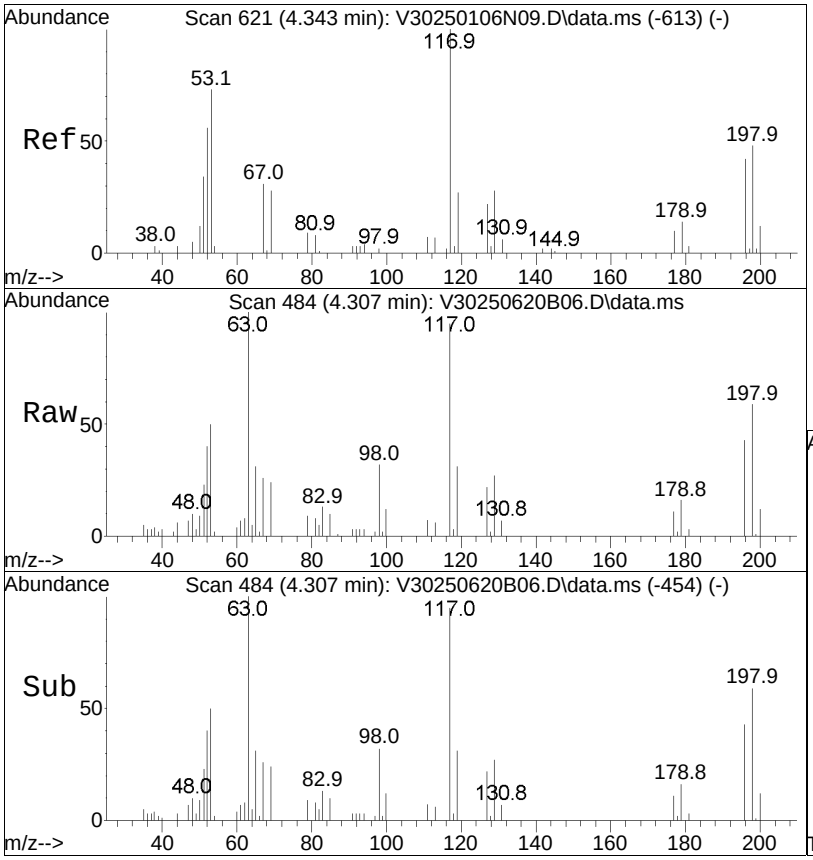


#25
1,1-Dichloroethane
Concen: 12.60 ug/L
RT: 4.273 min Scan# 479
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 63 Resp: 129336

Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.5	36.7
83	13.1	8.9	13.3

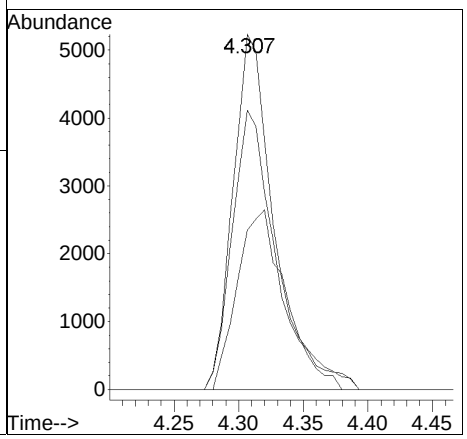


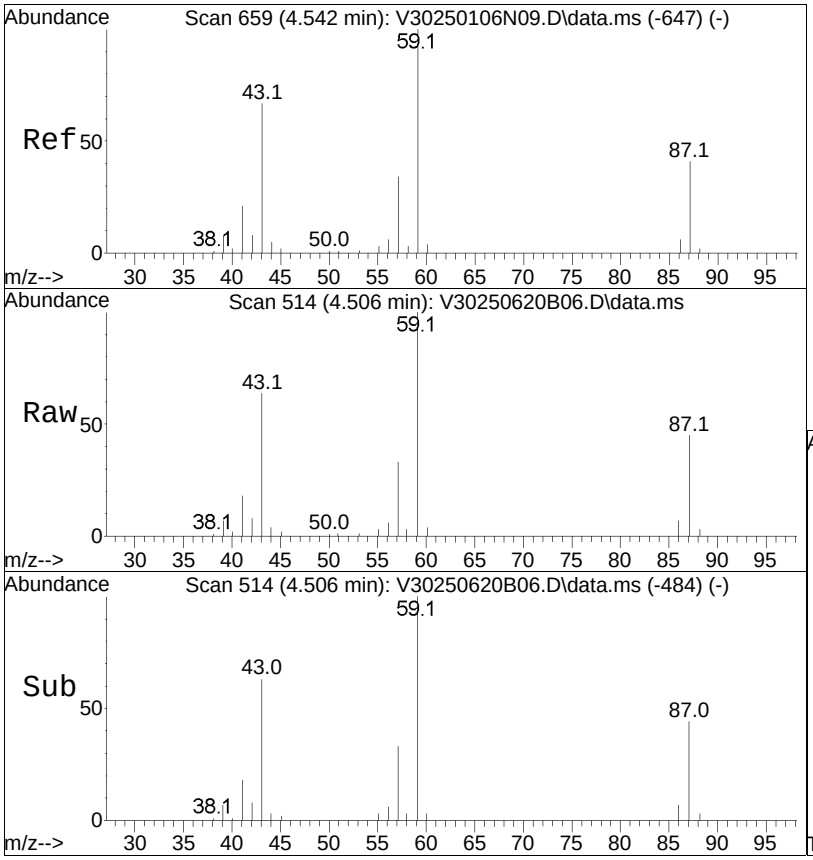


#27
Acrylonitrile
Concen: 10.31 ug/L
RT: 4.307 min Scan# 484
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 53 Resp: 11732

Ion	Ratio	Lower	Upper
53	100		
52	83.1	69.0	103.6
51	59.2	41.8	62.8

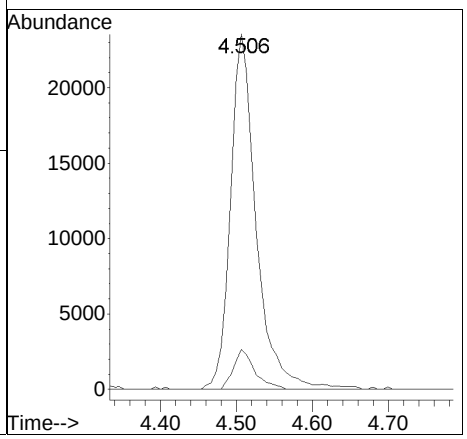


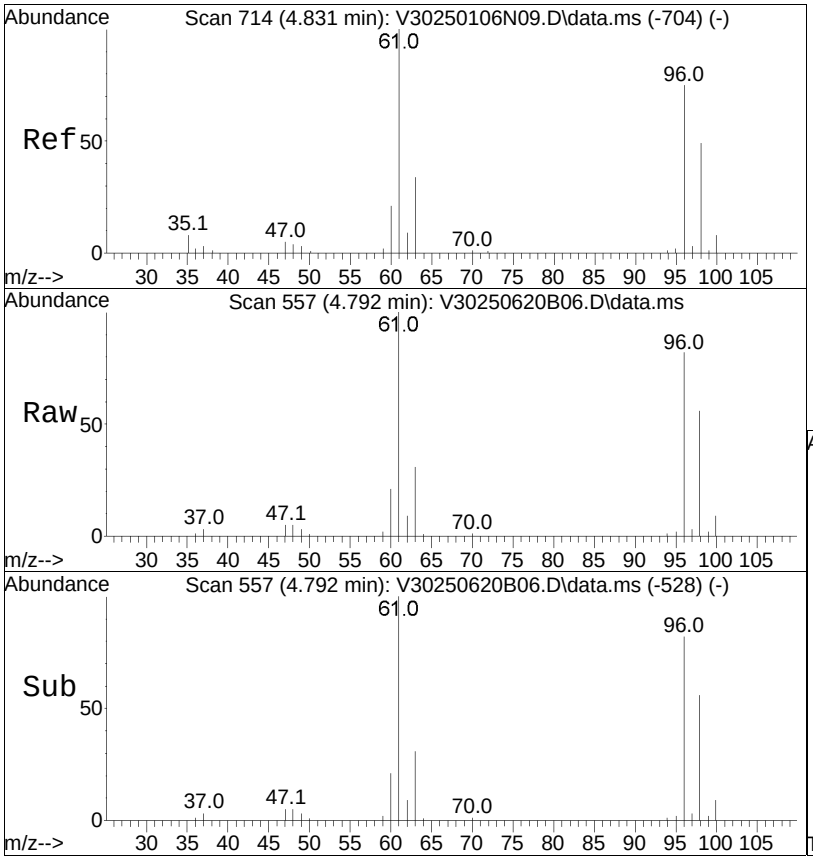


#29
Vinyl acetate
Concen: 9.13 ug/L
RT: 4.506 min Scan# 514
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 43 Resp: 55532

Ion	Ratio	Lower	Upper
43	100		
86	9.4	5.0	7.6#

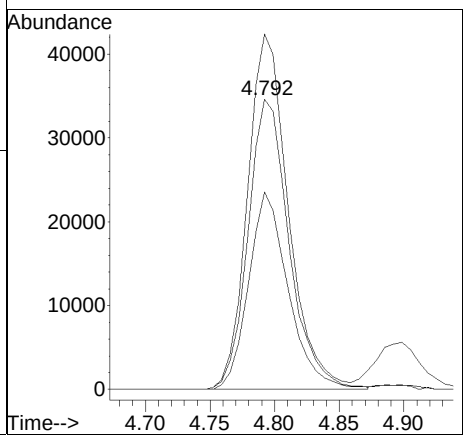


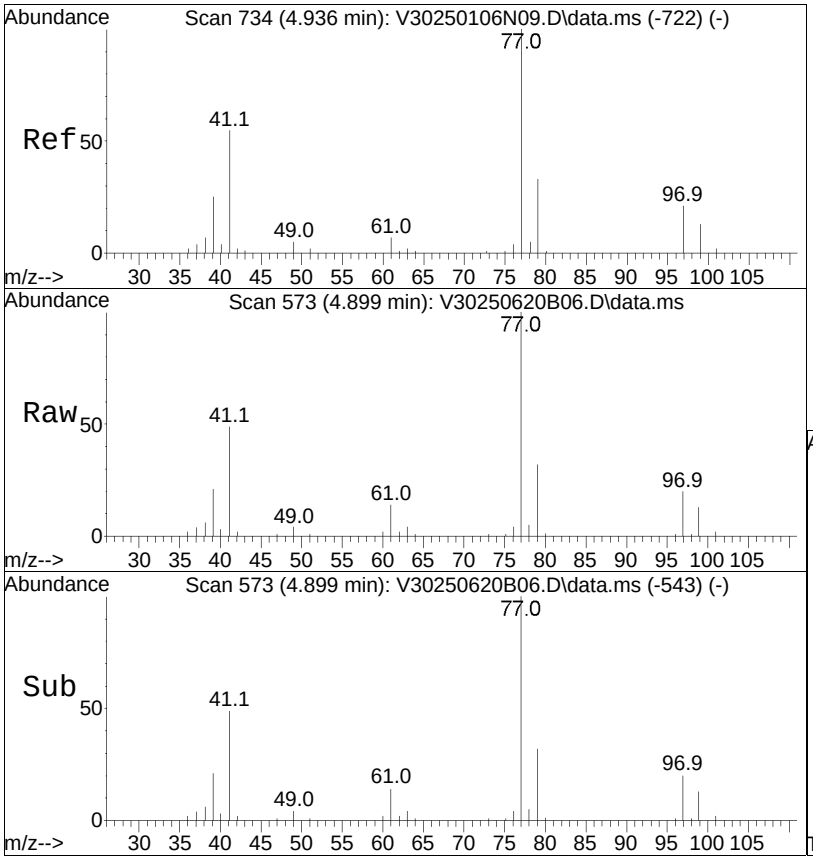


#30
cis-1,2-Dichloroethene
Concen: 11.71 ug/L
RT: 4.792 min Scan# 557
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 96 Resp: 76630

Ion	Ratio	Lower	Upper
96	100		
61	121.7	129.3	193.9#
98	65.6	51.4	77.2

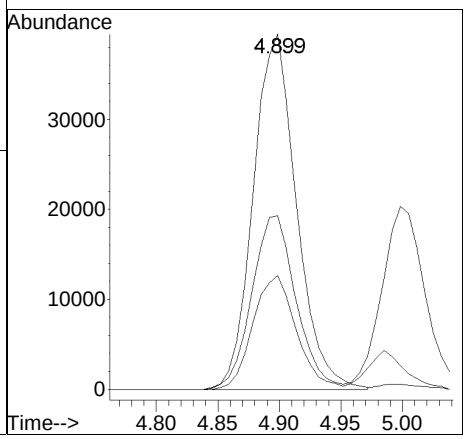


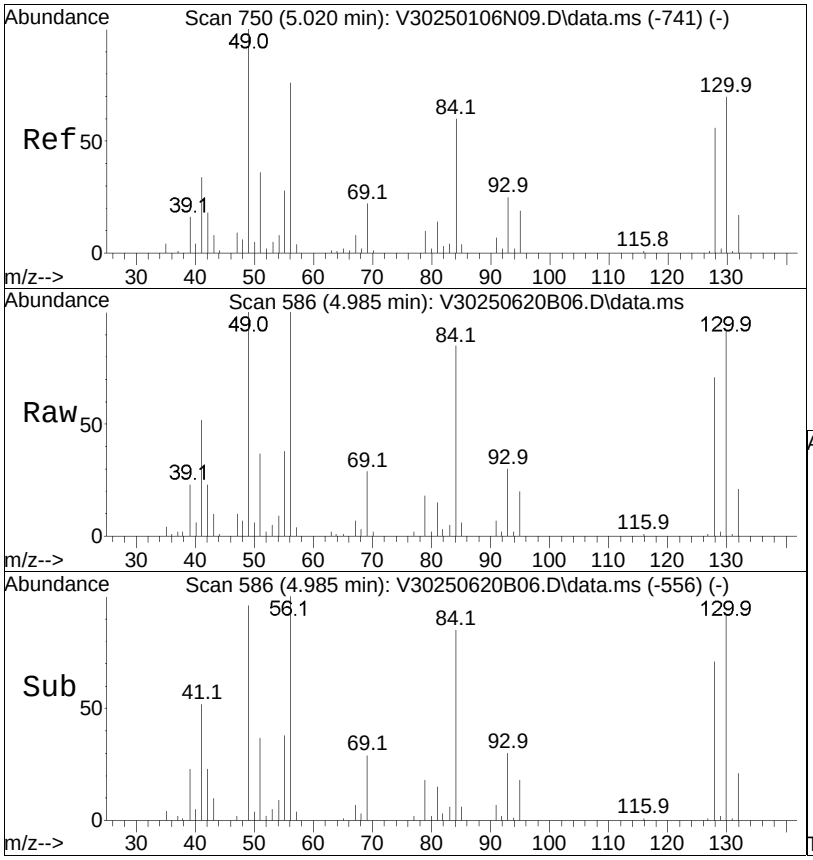


#31
2,2-Dichloropropane
Concen: 12.08 ug/L
RT: 4.899 min Scan# 573
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 77 Resp: 96166

Ion	Ratio	Lower	Upper
77	100		
41	50.1	49.2	102.2
79	32.2	20.6	42.8

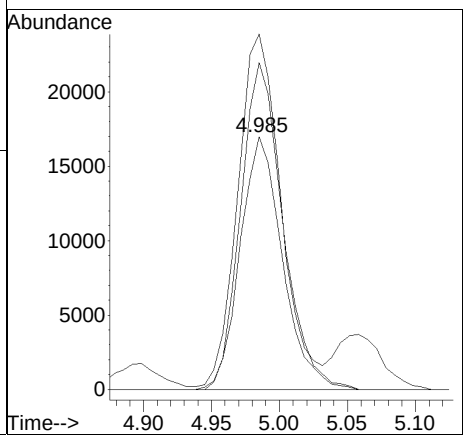


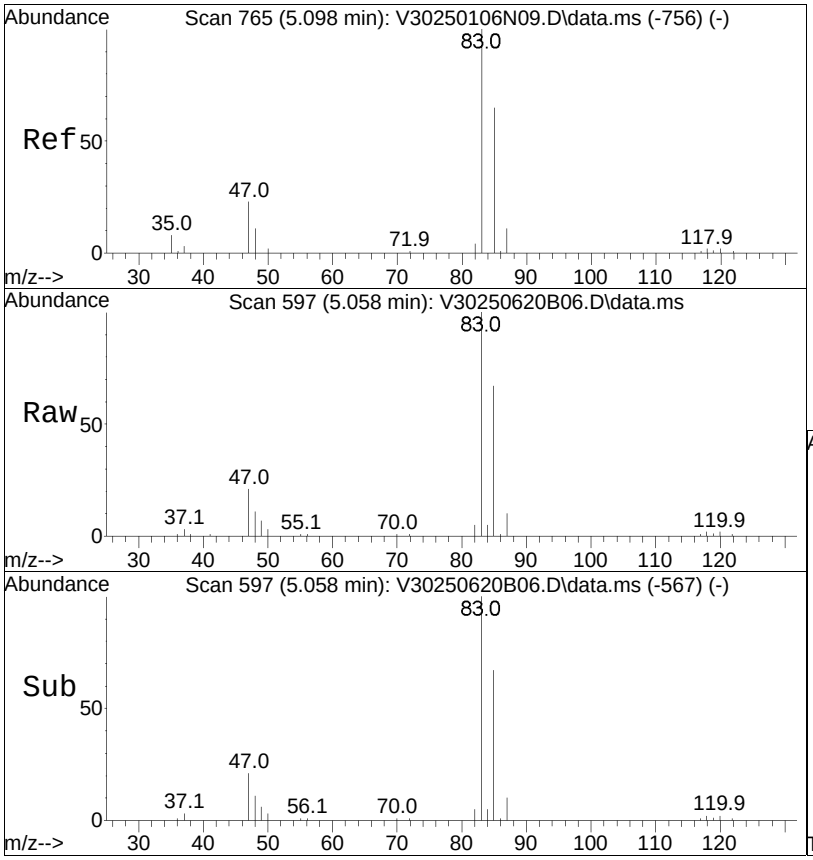


#33
Bromochloromethane
Concen: 11.53 ug/L
RT: 4.985 min Scan# 586
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:128 Resp: 36636

Ion	Ratio	Lower	Upper
128	100		
49	145.0	214.8	322.2#
130	129.3	105.4	158.2

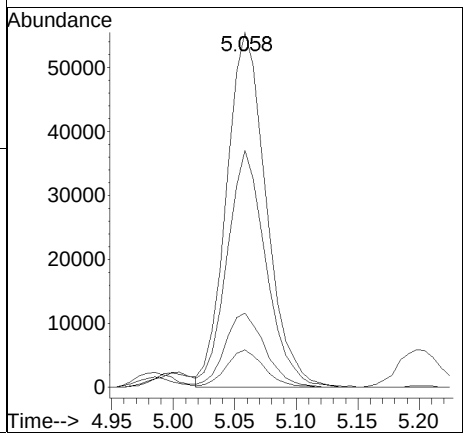


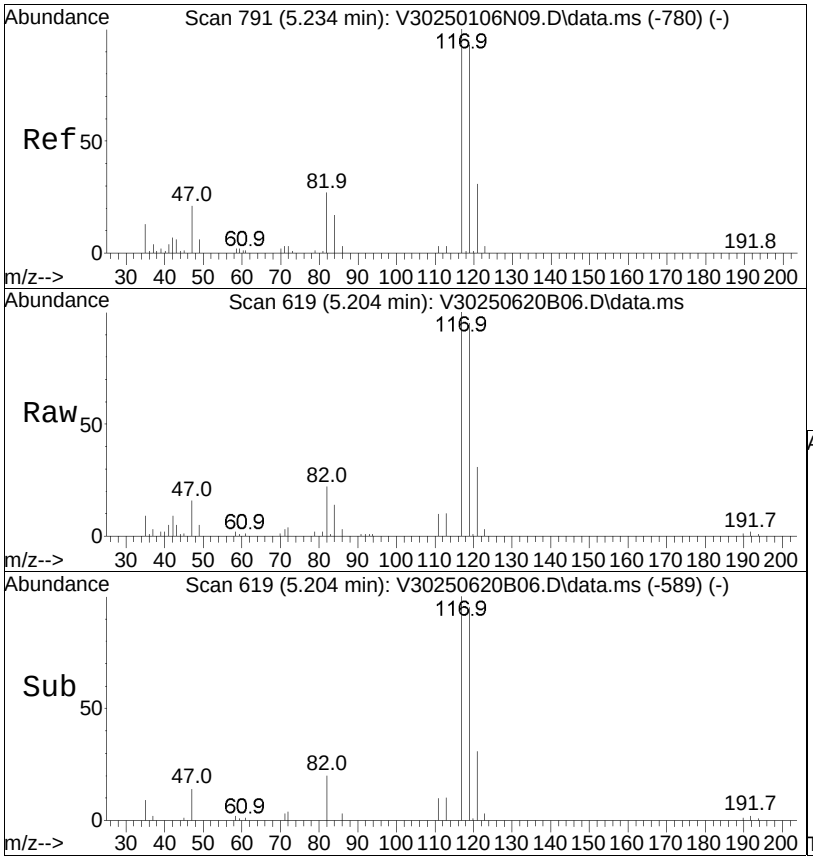


#35
Chloroform
Concen: 11.72 ug/L
RT: 5.058 min Scan# 597
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 83 Resp: 125007

Ion	Ratio	Lower	Upper
83	100		
85	65.4	41.4	86.0
47	21.1	20.5	42.5
48	10.2	9.9	20.5

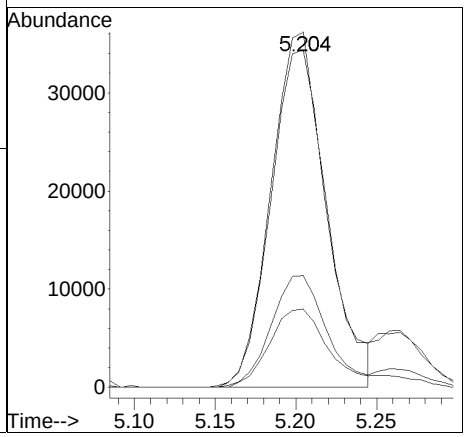


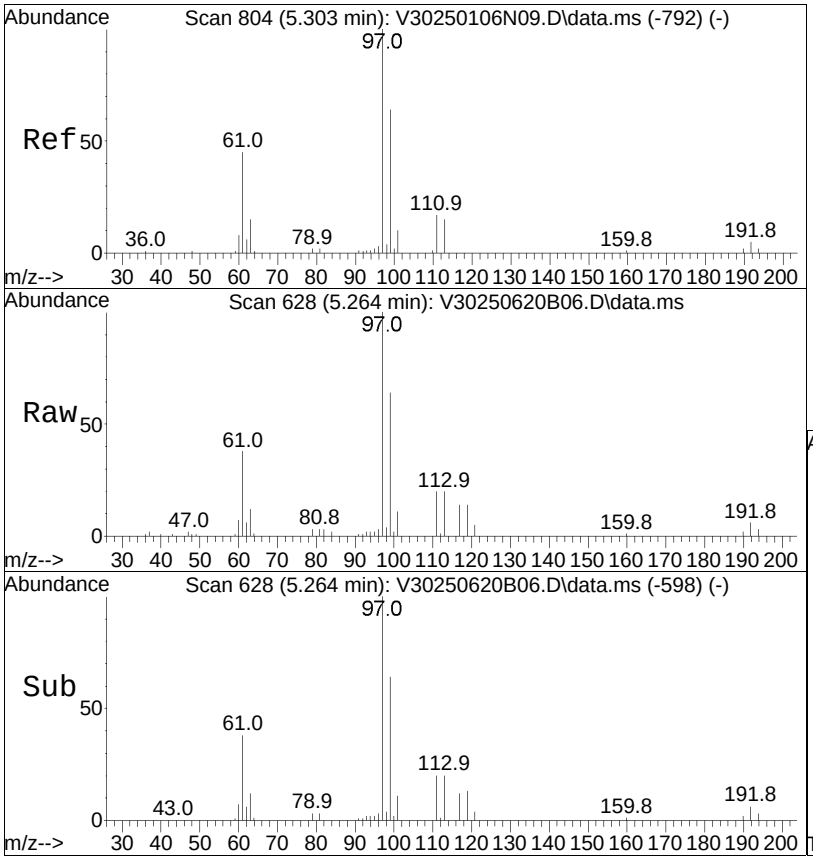


#37
Carbon tetrachloride
Concen: 11.65 ug/L
RT: 5.204 min Scan# 619
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:117 Resp: 86330

Ion	Ratio	Lower	Upper
117	100		
119	96.7	62.0	128.8
121	31.6	19.6	40.6
82	26.0	18.8	39.0

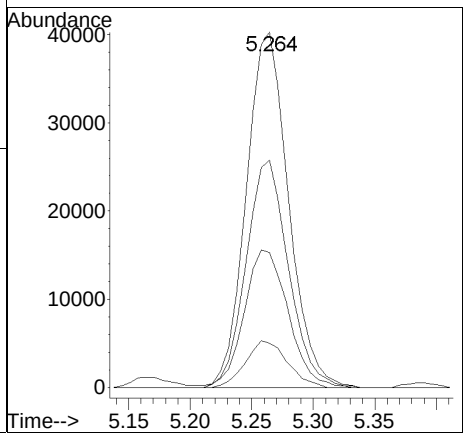


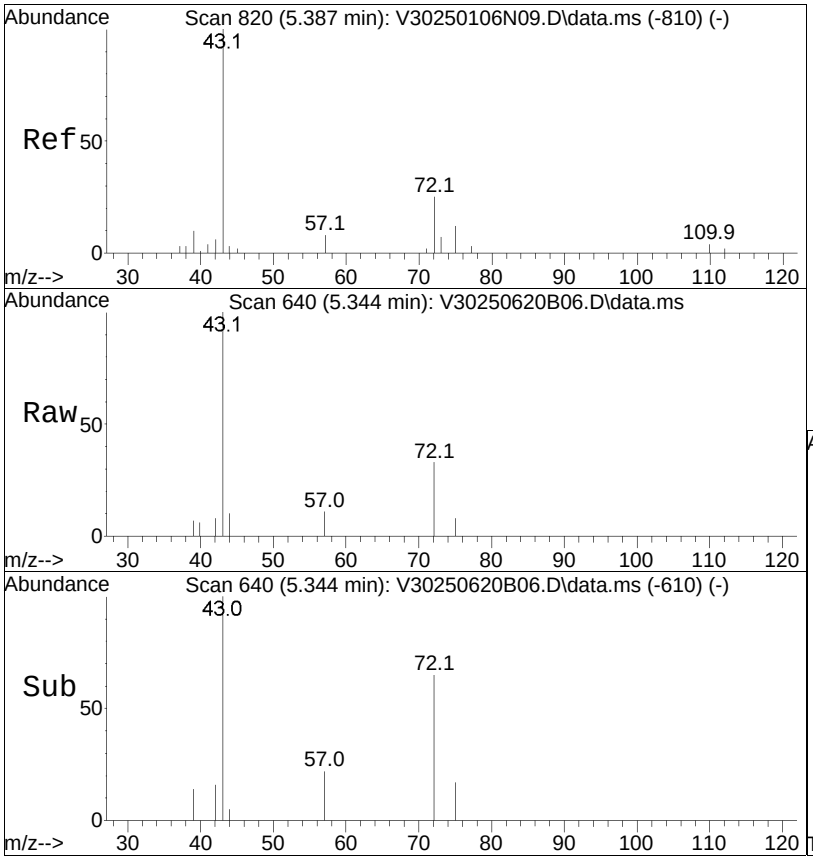


#40
1,1,1-Trichloroethane
Concen: 11.65 ug/L
RT: 5.264 min Scan# 628
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 97 Resp: 96116

Ion	Ratio	Lower	Upper
97	100		
99	64.1	40.6	84.4
61	40.2	35.0	72.8
63	13.0	11.1	23.0

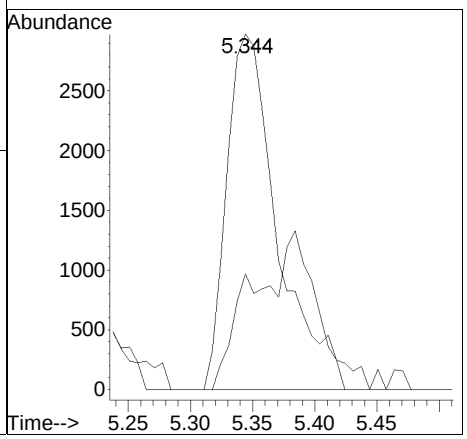


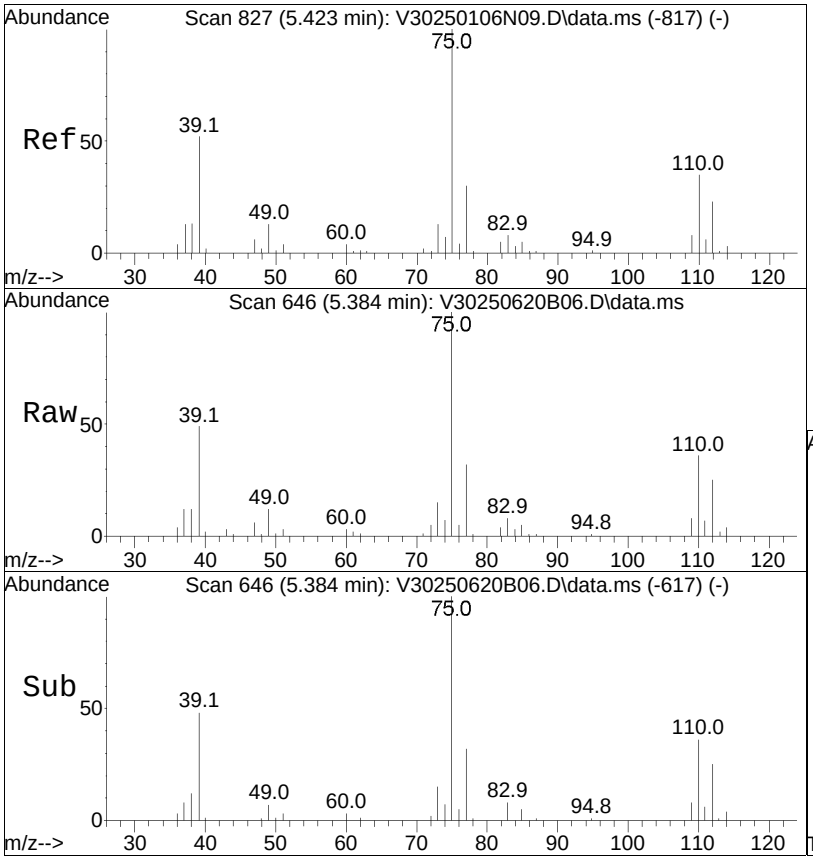


#42
2-Butanone
Concen: 7.50 ug/L M3
RT: 5.344 min Scan# 640
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 43 Resp: 8625

Ion	Ratio	Lower	Upper
43	100		
72	45.6	18.2	27.4#

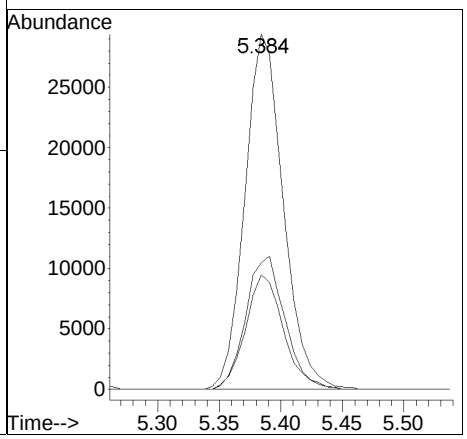


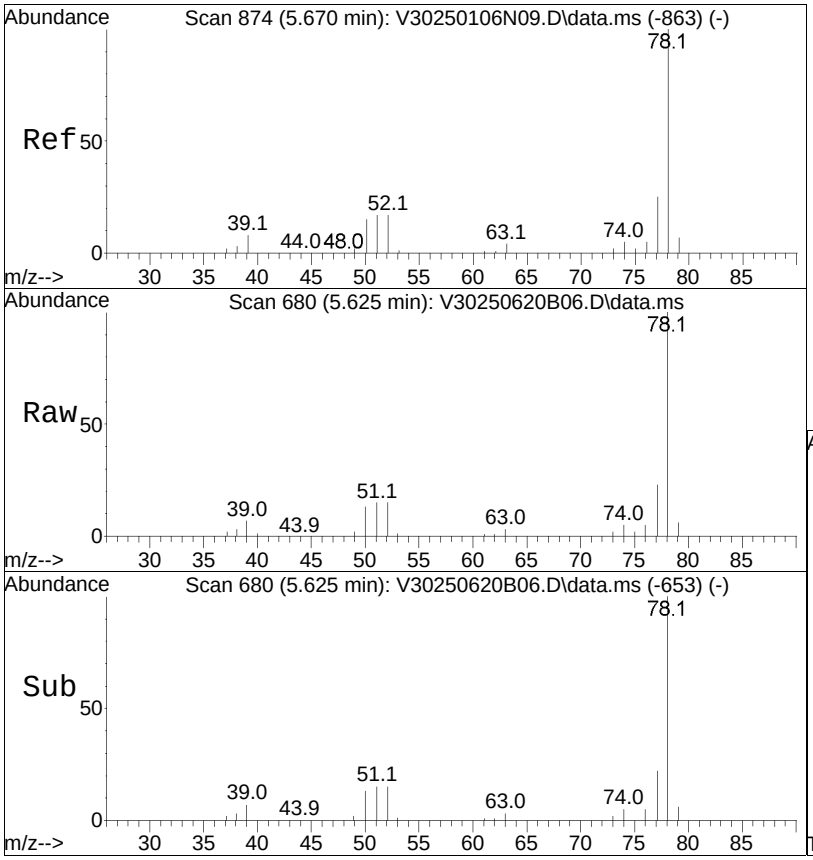


#43
1,1-Dichloropropene
Concen: 10.12 ug/L
RT: 5.384 min Scan# 646
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 75 Resp: 63804

Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.4	40.4
77	32.0	19.7	40.9

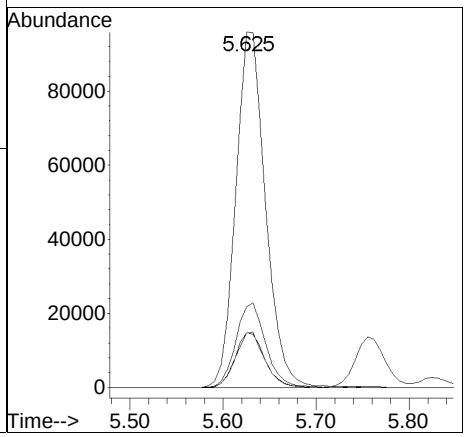


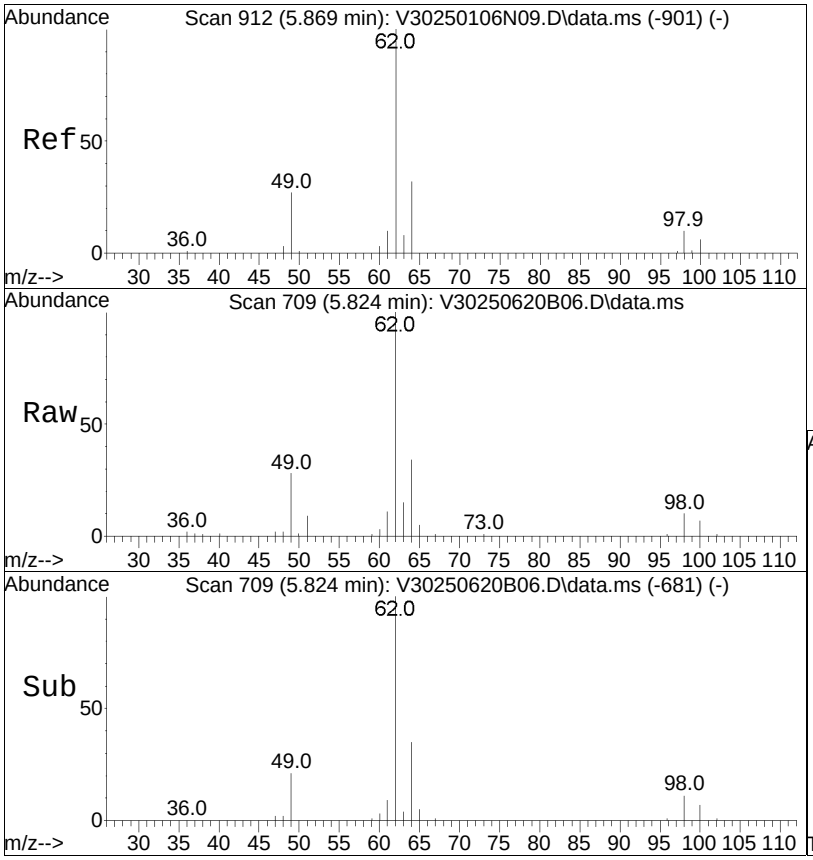


#45
Benzene
Concen: 10.59 ug/L
RT: 5.625 min Scan# 680
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 78 Resp: 213283

Ion	Ratio	Lower	Upper
78	100		
77	23.7	15.6	32.4
51	15.2	12.9	26.7
52	15.1	12.4	25.7

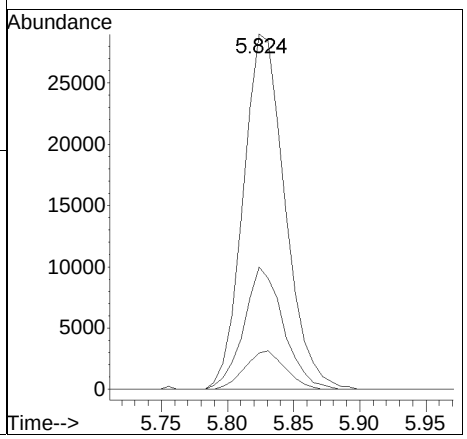


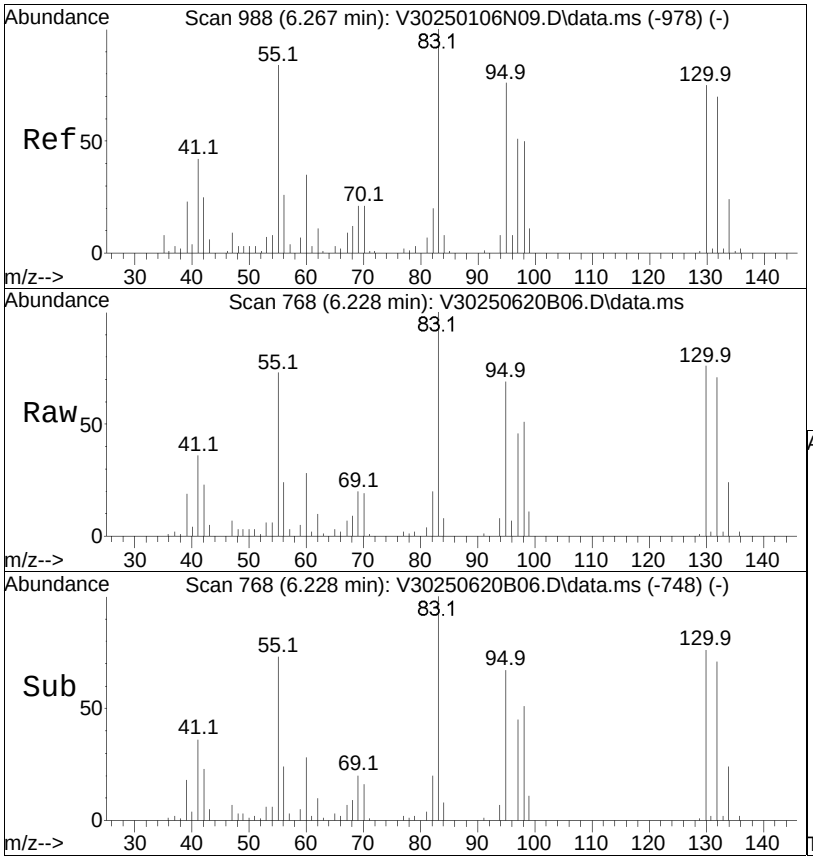


#48
1,2-Dichloroethane
Concen: 10.45 ug/L
RT: 5.824 min Scan# 709
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 62 Resp: 63765

Ion	Ratio	Lower	Upper
62	100		
64	32.7	25.5	38.3
98	10.6	5.5	8.3#

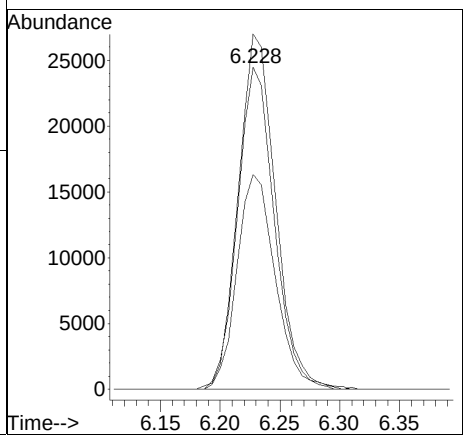


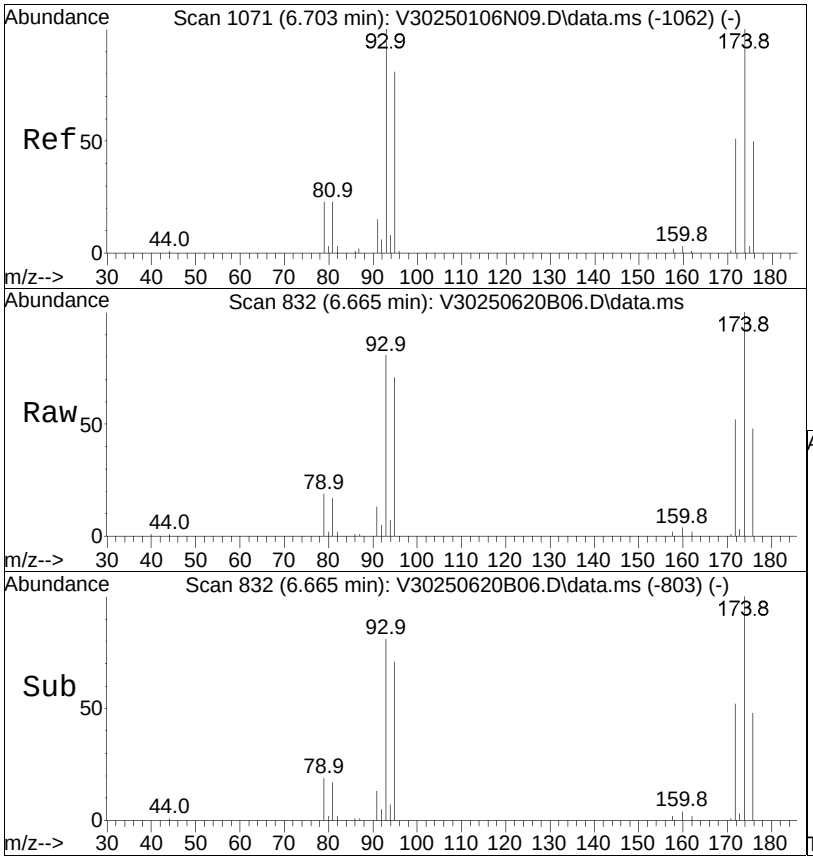


#52
Trichloroethene
Concen: 9.91 ug/L
RT: 6.228 min Scan# 768
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 95 Resp: 52462

Ion	Ratio	Lower	Upper
95	100		
97	69.2	53.8	80.6
130	111.8	71.4	107.0#

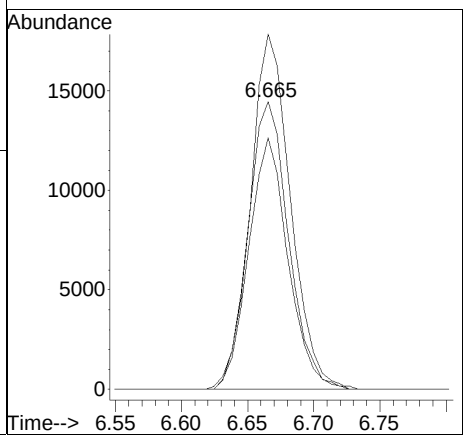


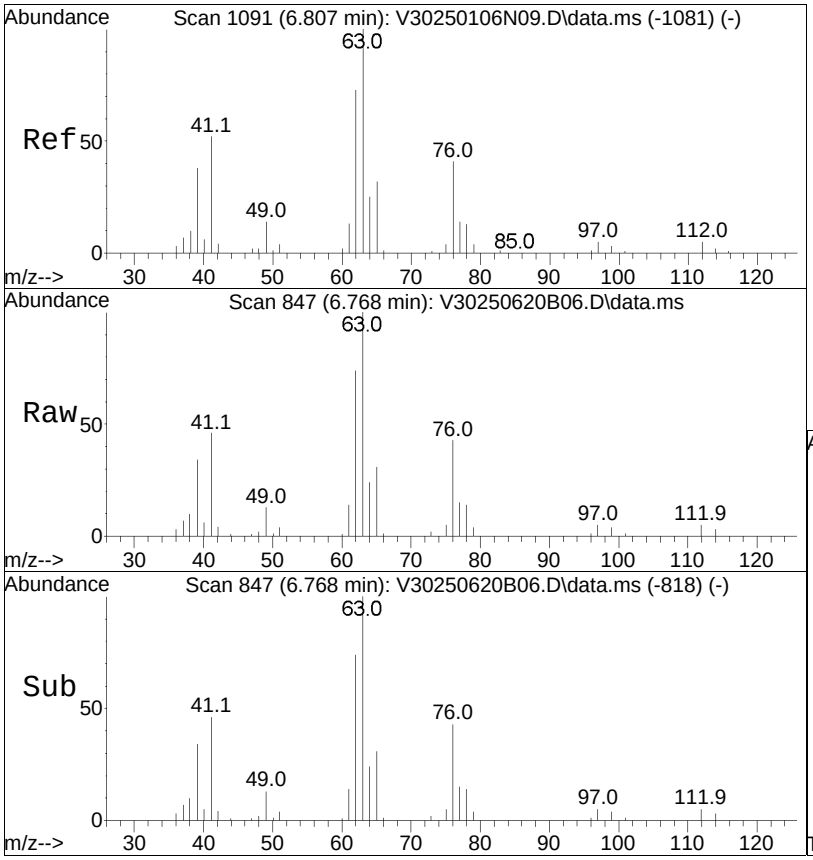


#54
Dibromomethane
Concen: 10.20 ug/L
RT: 6.665 min Scan# 832
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 93 Resp: 31058

Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.9	100.3
174	121.0	66.4	99.6#

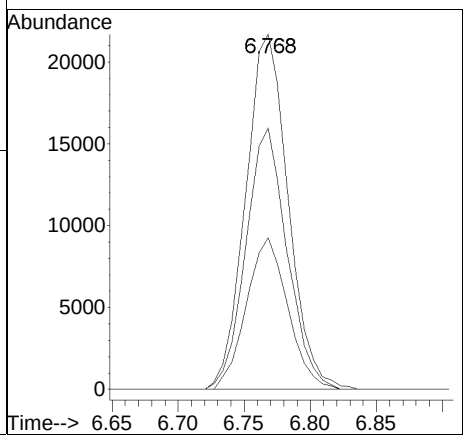


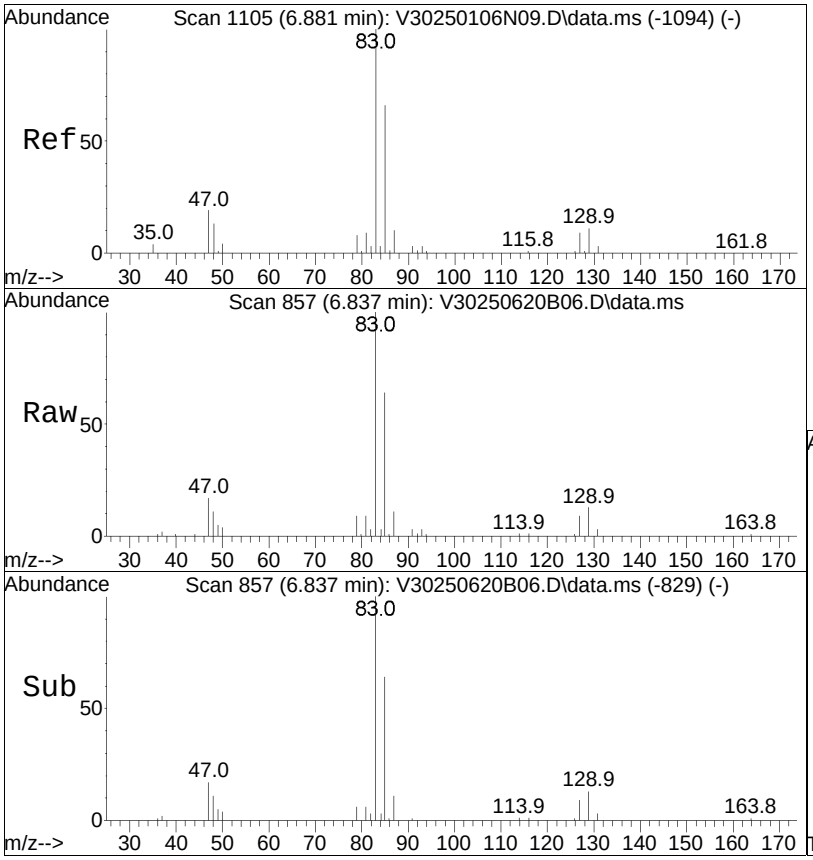


#55
1,2-Dichloropropane
Concen: 9.92 ug/L
RT: 6.768 min Scan# 847
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 63 Resp: 48611

Ion	Ratio	Lower	Upper
63	100		
62	71.4	58.1	87.1
76	41.6	30.4	45.6

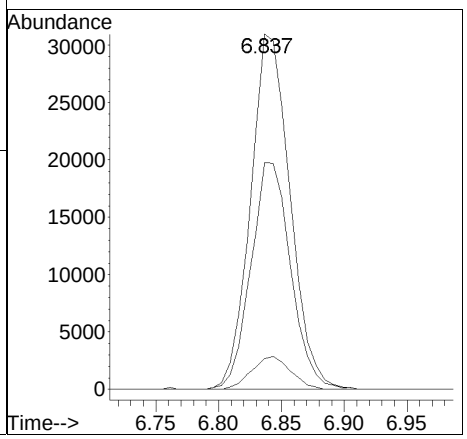


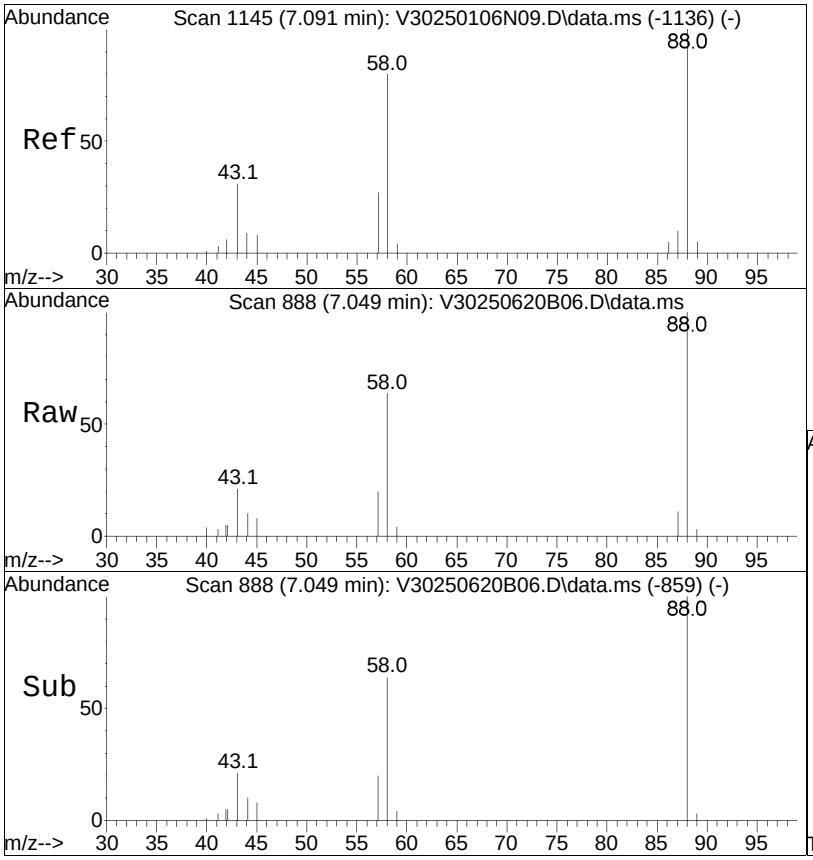


#58
Bromodichloromethane
Concen: 9.60 ug/L
RT: 6.837 min Scan# 857
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 83 Resp: 67901

Ion	Ratio	Lower	Upper
83	100		
85	64.3	50.2	75.2
127	9.2	5.2	7.8#

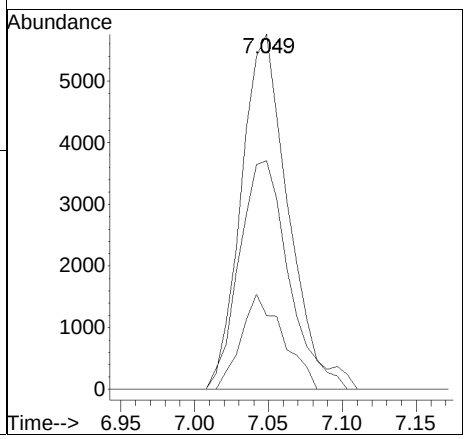


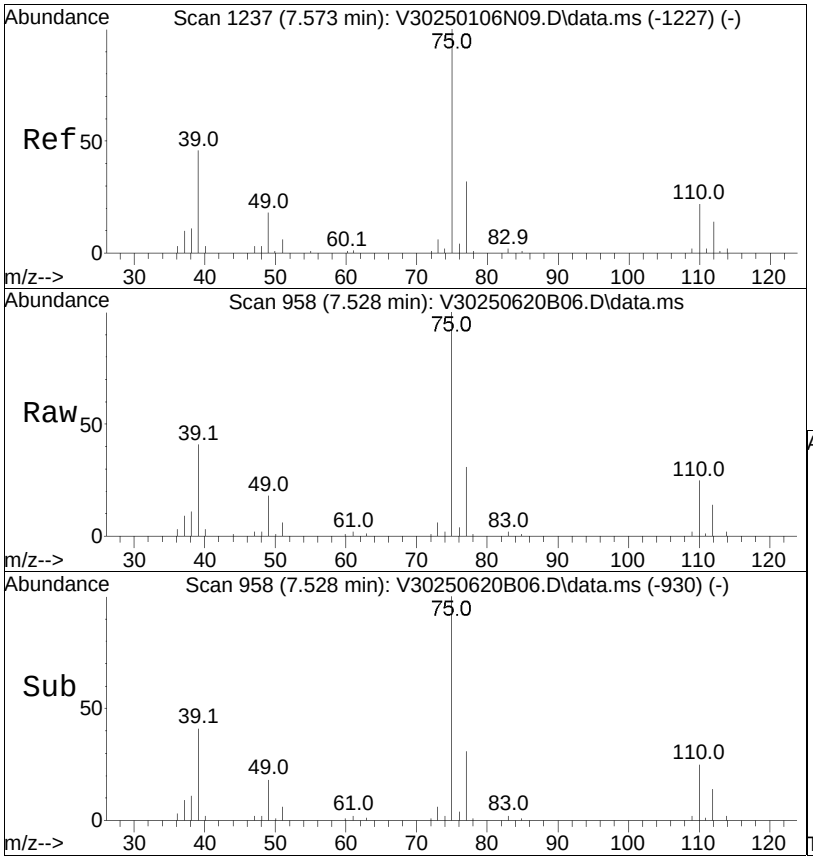


#61
1,4-Dioxane
Concen: 380.53 ug/L
RT: 7.049 min Scan# 888
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 88 Resp: 12750

Ion	Ratio	Lower	Upper
88	100		
58	67.8	59.9	89.9
43	24.0	30.8	46.2#

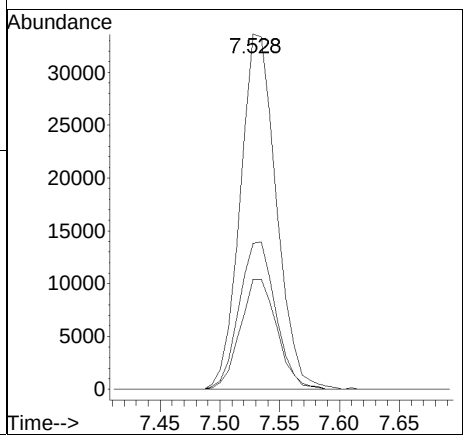


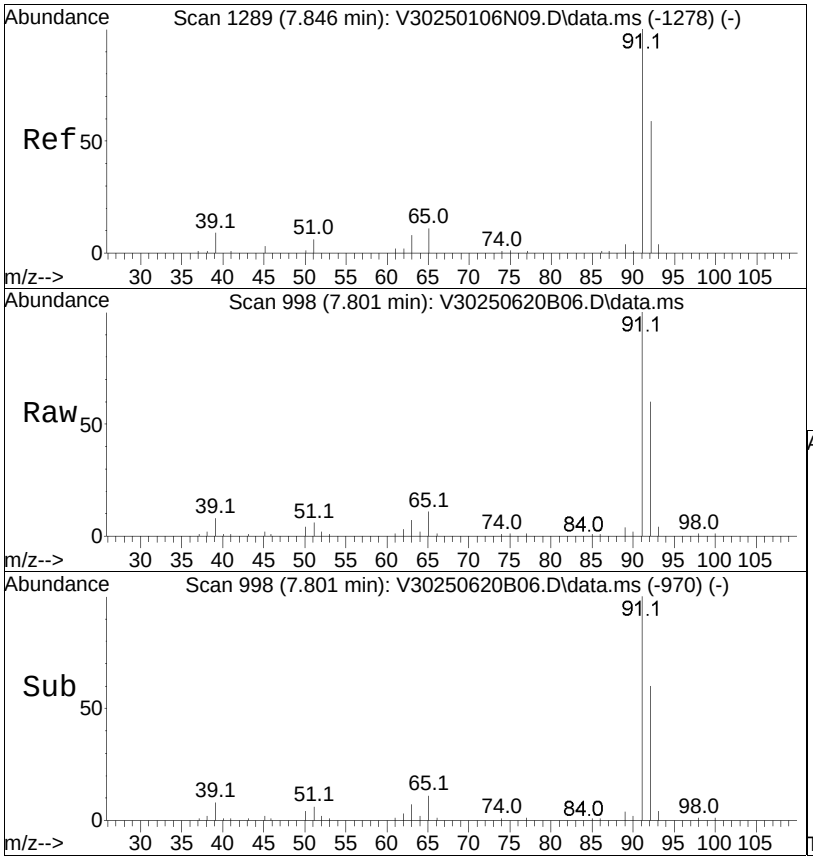


#62
cis-1,3-Dichloropropene
Concen: 9.18 ug/L
RT: 7.528 min Scan# 958
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 75 Resp: 70628

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.4	38.2
39	41.9	54.6	82.0#

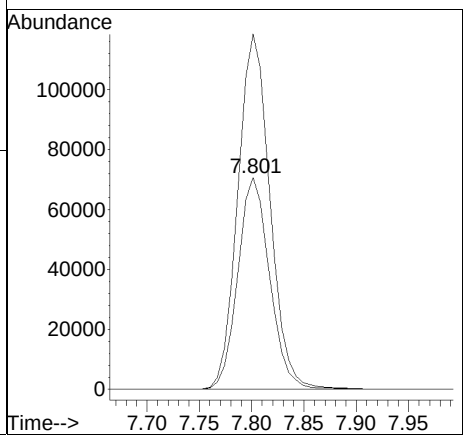


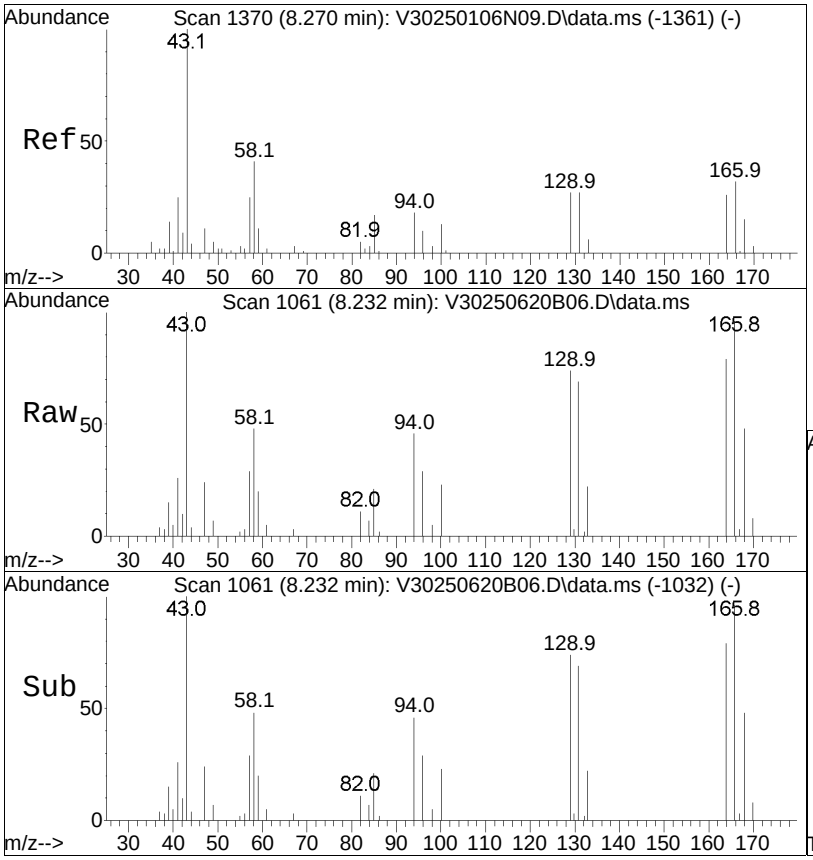


#65
Toluene
Concen: 10.72 ug/L
RT: 7.801 min Scan# 998
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 92 Resp: 149541

Ion	Ratio	Lower	Upper
92	100		
91	169.2	137.5	206.3

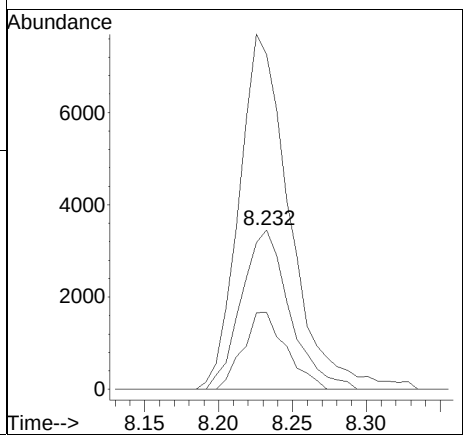


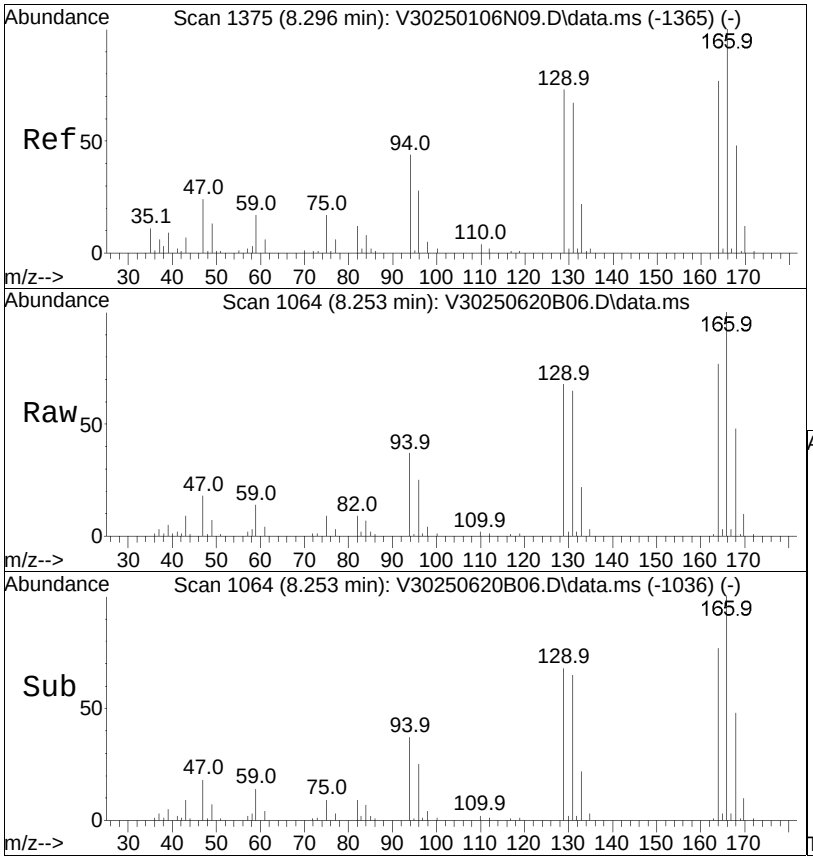


#66
4-Methyl-2-pentanone
Concen: 7.61 ug/L
RT: 8.232 min Scan# 1061
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 58 Resp: 7914

Ion	Ratio	Lower	Upper
58	100		
100	43.0	22.6	34.0#
43	233.4	234.6	351.8#

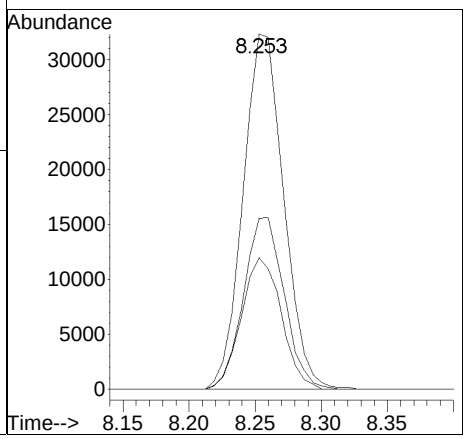


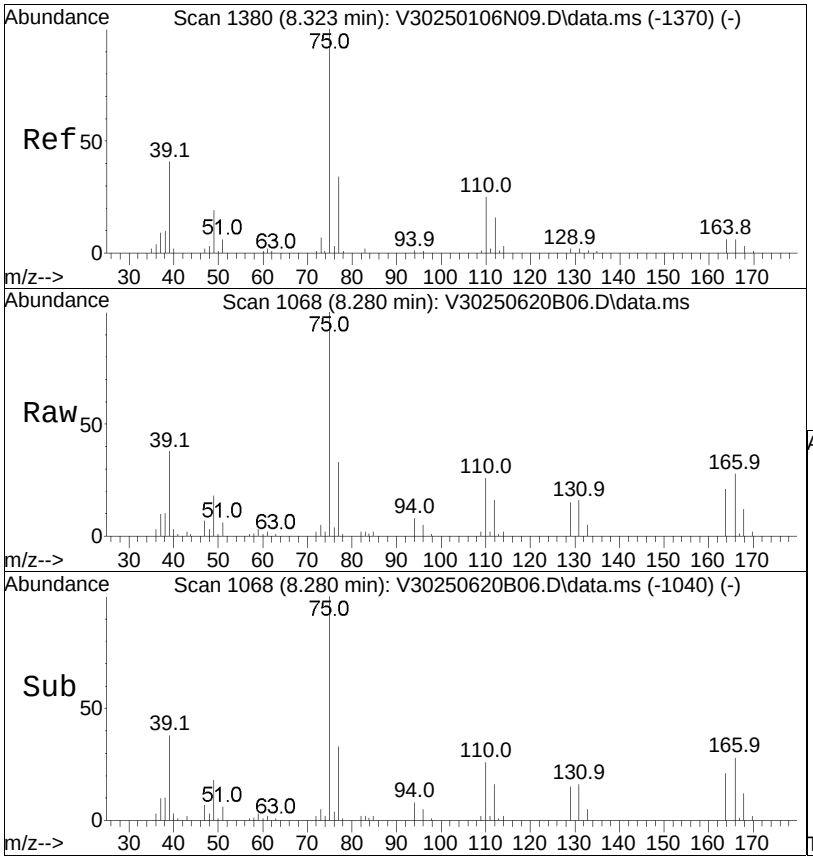


#67
Tetrachloroethene
Concen: 10.90 ug/L
RT: 8.253 min Scan# 1064
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:166 Resp: 69285

Ion	Ratio	Lower	Upper
166	100		
168	48.3	38.6	58.0
94	36.5	42.6	63.8#

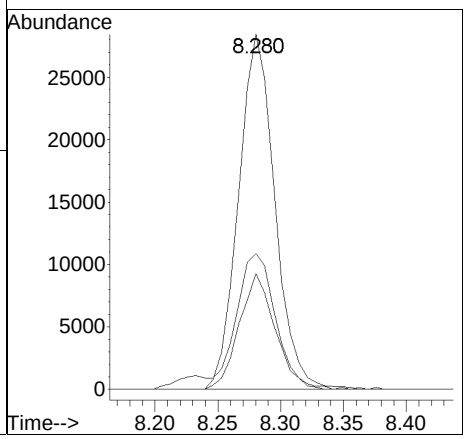


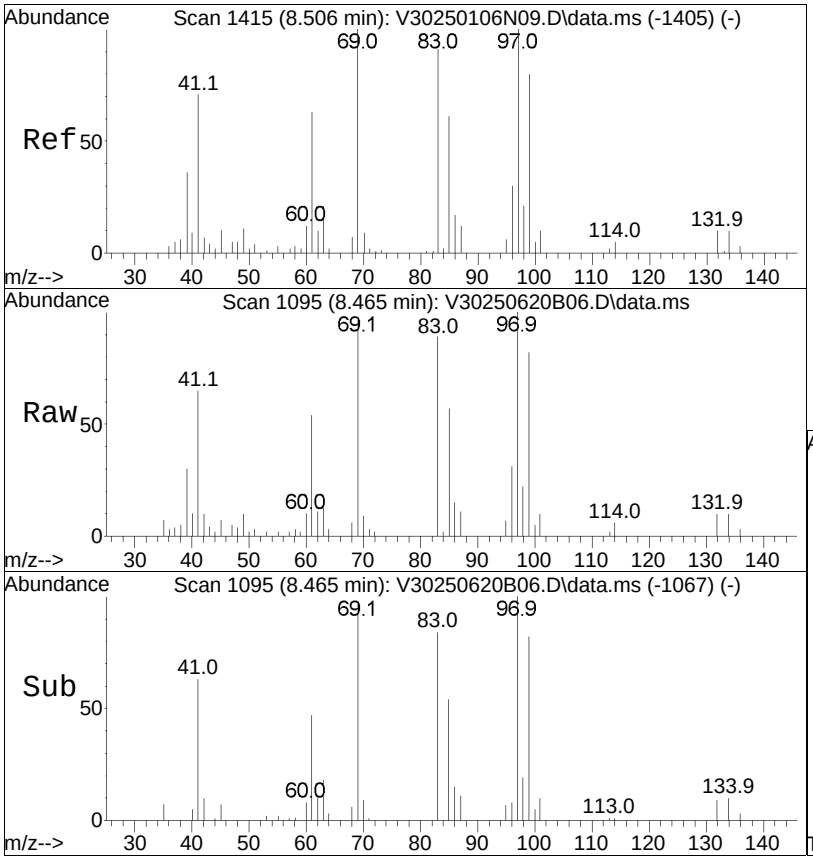


#69
trans-1,3-Dichloropropene
Concen: 8.57 ug/L
RT: 8.280 min Scan# 1068
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 75 Resp: 57346

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	44.7	60.2	90.4#

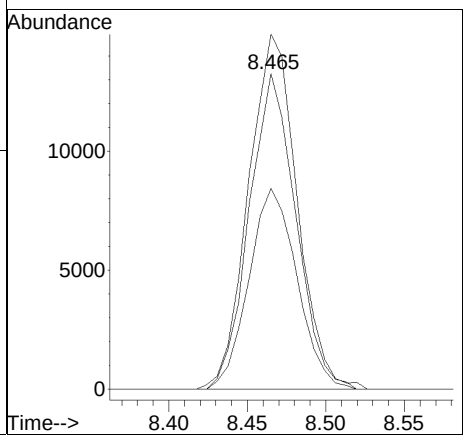


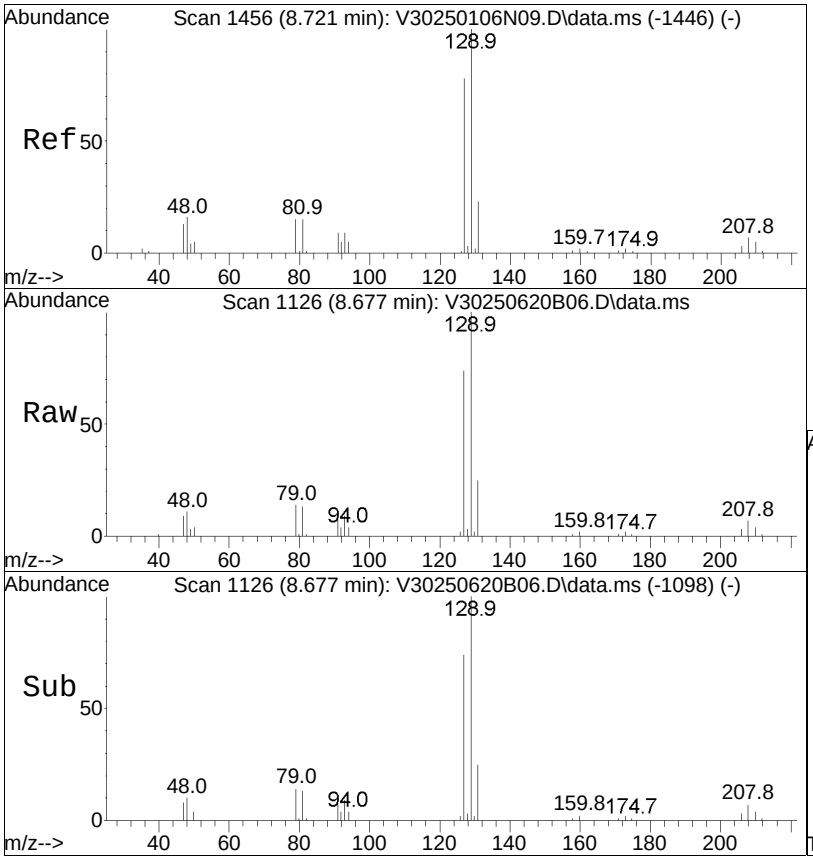


#72
1,1,2-Trichloroethane
Concen: 8.15 ug/L
RT: 8.465 min Scan# 1095
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 83 Resp: 27358

Ion	Ratio	Lower	Upper
83	100		
97	117.4	87.7	131.5
85	65.9	53.1	79.7

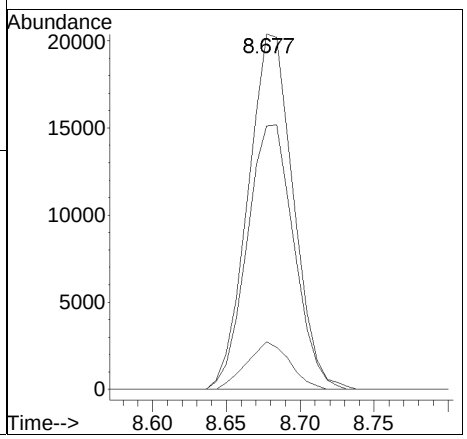


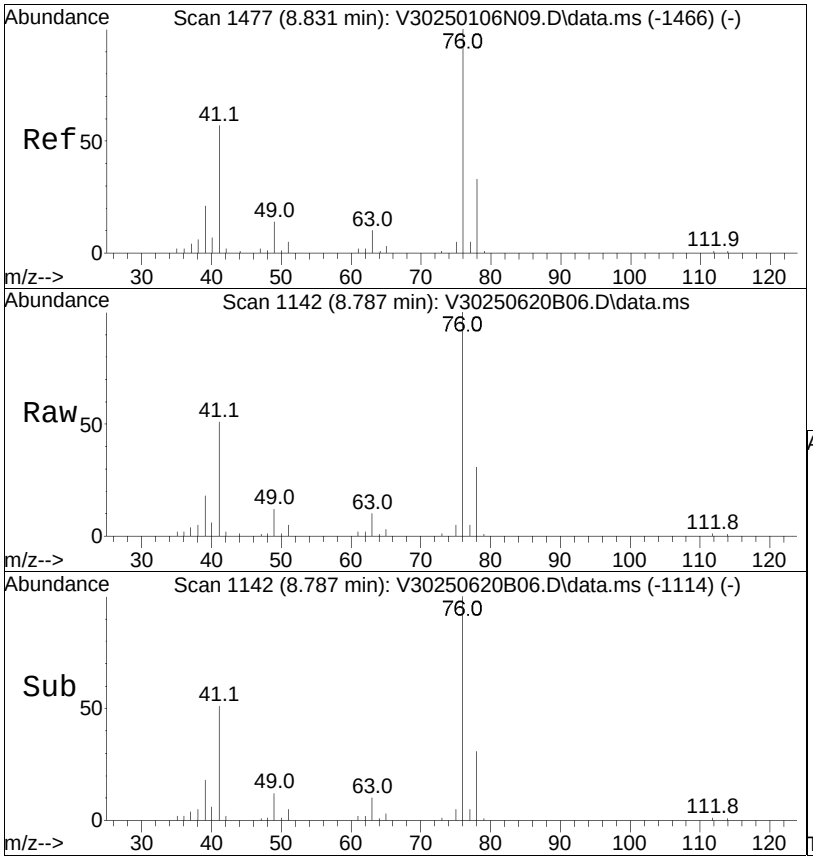


#73
Chlorodibromomethane
Concen: 8.20 ug/L
RT: 8.677 min Scan# 1126
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:129 Resp: 43496

Ion	Ratio	Lower	Upper
129	100		
81	12.8	14.6	22.0#
127	76.9	62.6	93.8

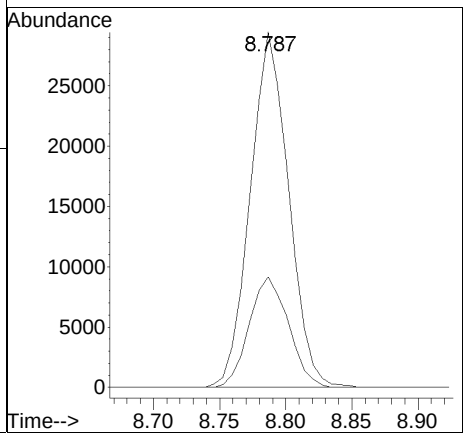


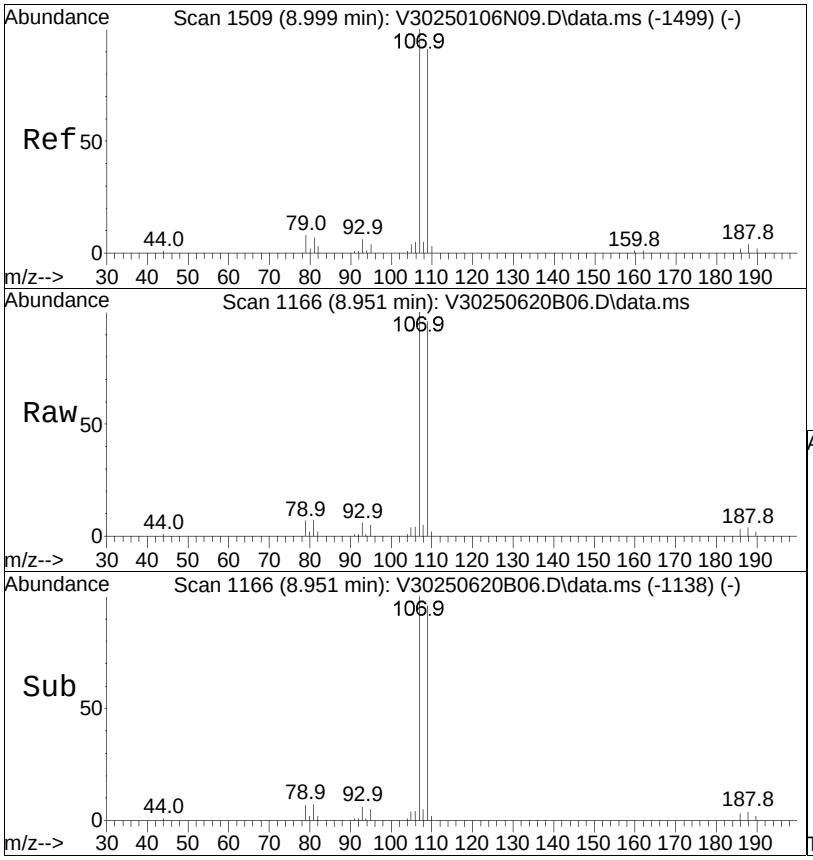


#74
1,3-Dichloropropane
Concen: 8.49 ug/L
RT: 8.787 min Scan# 1142
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 76 Resp: 59400

Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.9	38.9

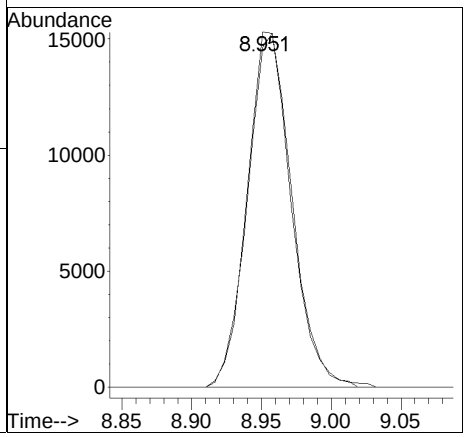


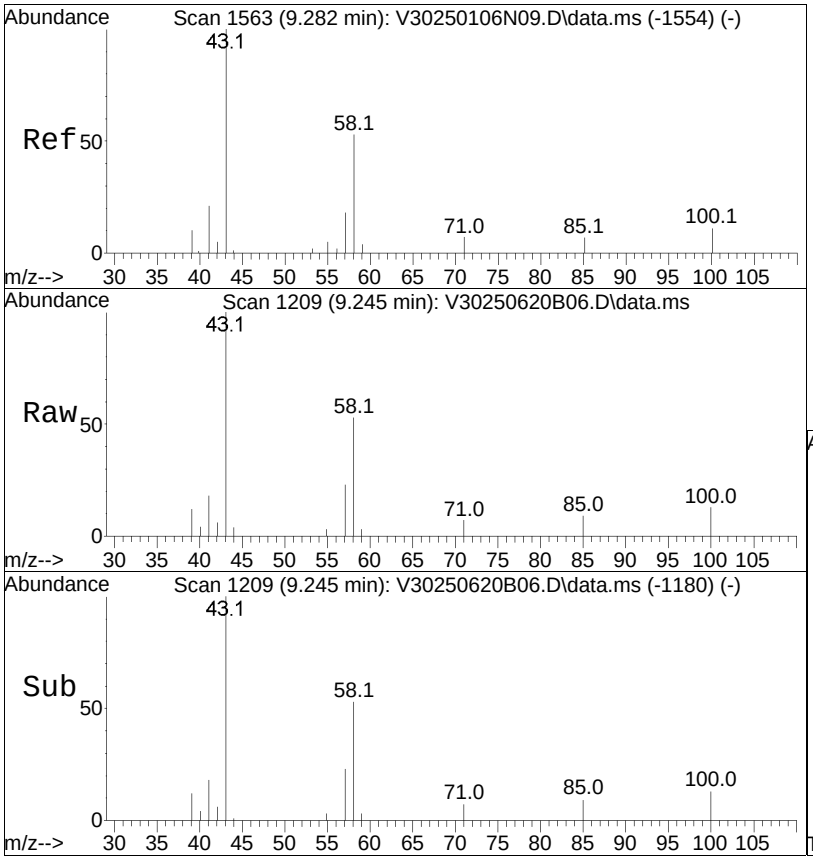


#75
1,2-Dibromoethane
Concen: 8.44 ug/L
RT: 8.951 min Scan# 1166
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:107 Resp: 34062

Ion	Ratio	Lower	Upper
107	100		
109	97.4	75.0	112.4

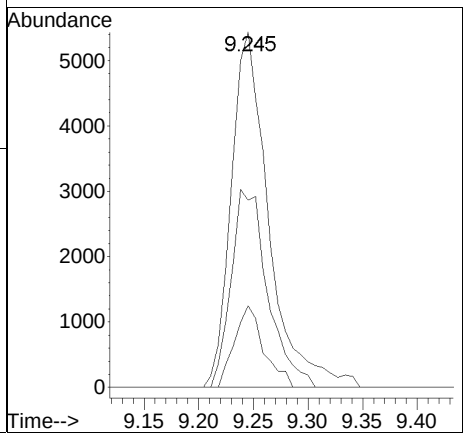


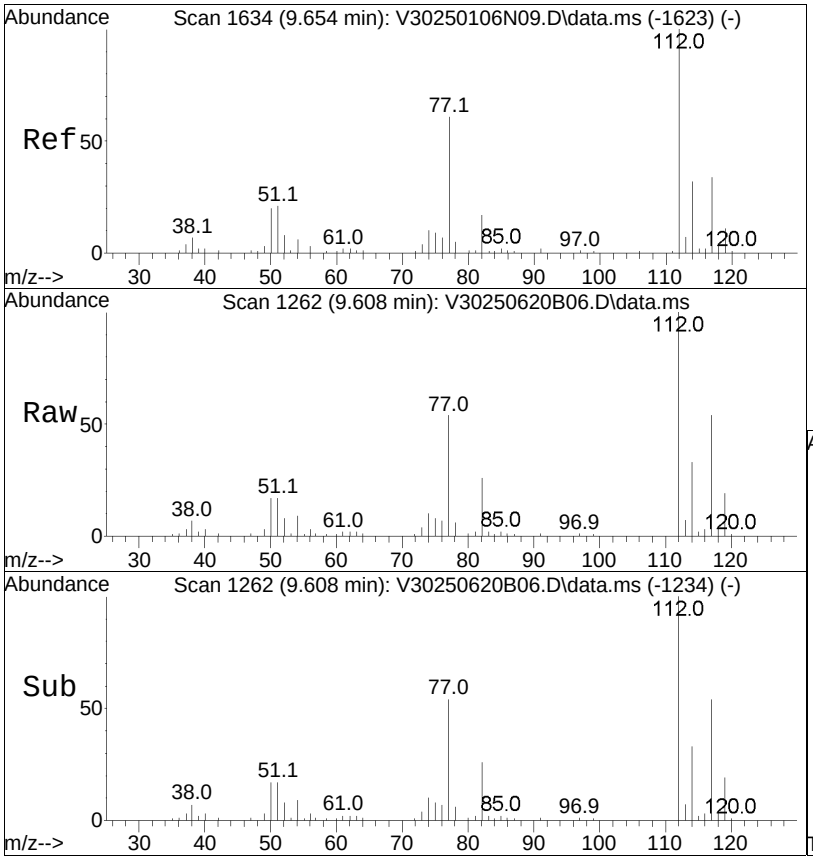


#77
2-Hexanone
Concen: 7.66 ug/L
RT: 9.245 min Scan# 1209
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 43 Resp: 13048

Ion	Ratio	Lower	Upper
43	100		
58	54.0	38.6	58.0
57	18.0	14.1	21.1

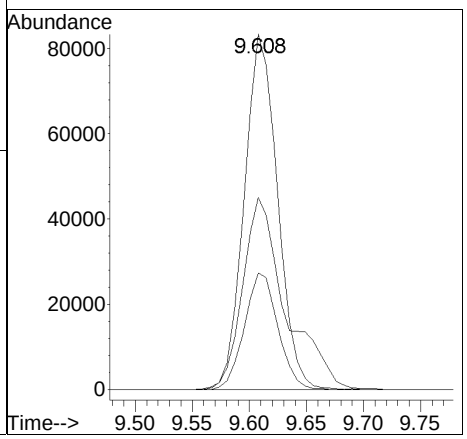


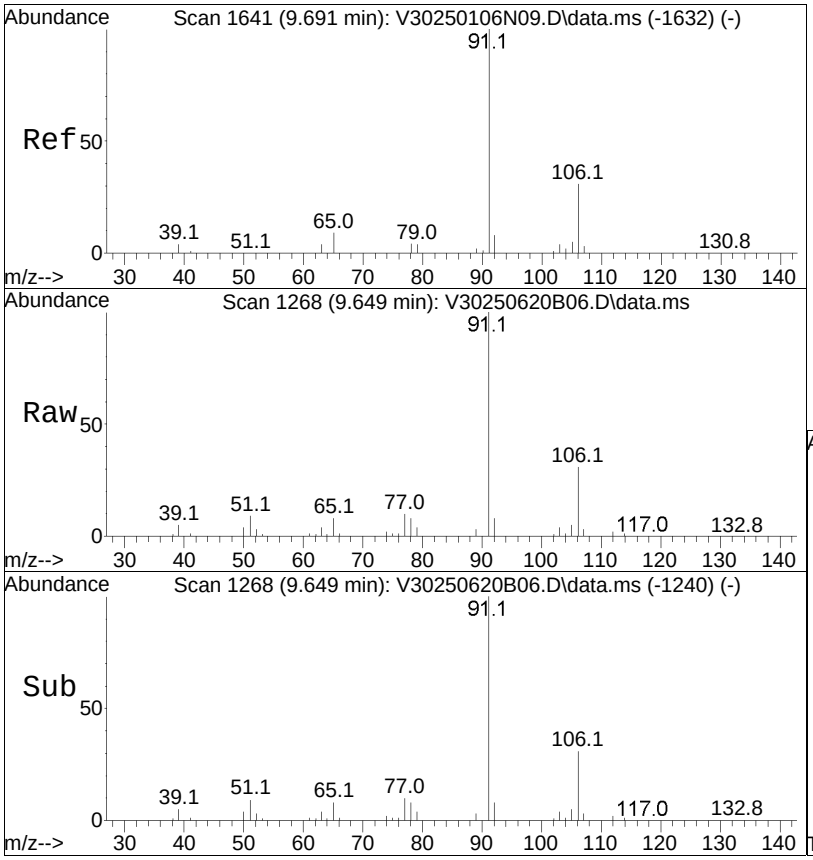


#78
Chlorobenzene
Concen: 10.70 ug/L
RT: 9.608 min Scan# 1262
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:112 Resp: 168817

Ion	Ratio	Lower	Upper
112	100		
77	69.8	54.8	82.2
114	32.9	25.4	38.0

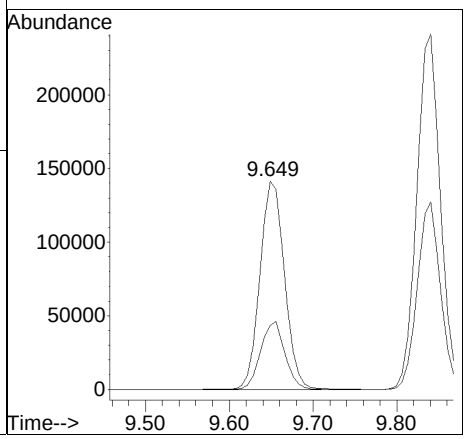


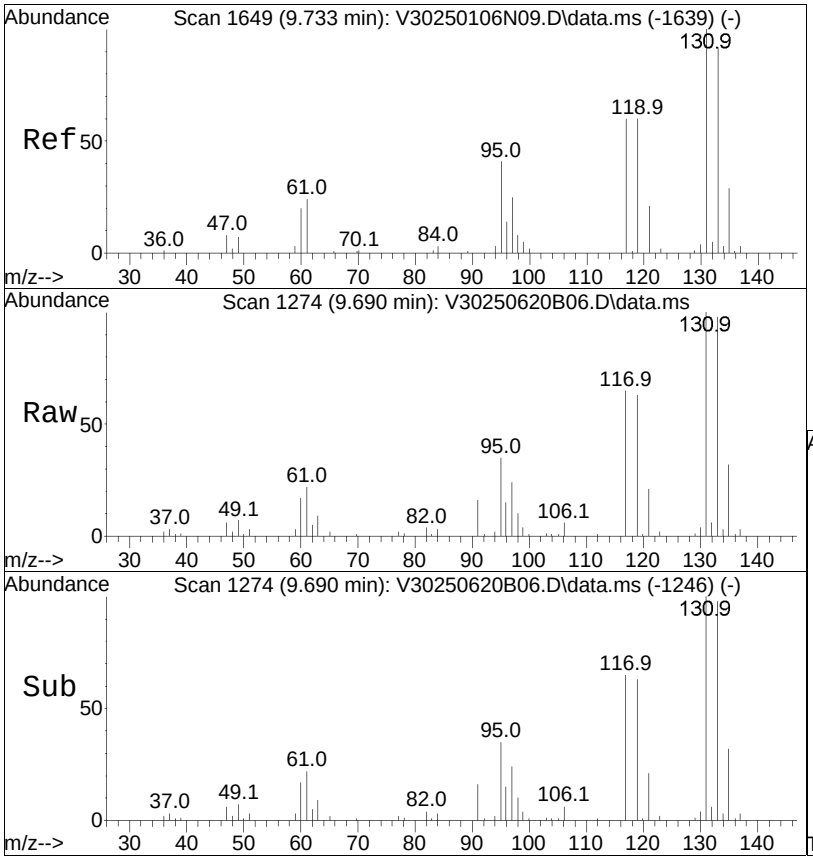


#79
Ethylbenzene
Concen: 10.98 ug/L
RT: 9.649 min Scan# 1268
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 91 Resp: 288650

Ion	Ratio	Lower	Upper
91	100		
106	32.0	23.4	35.2

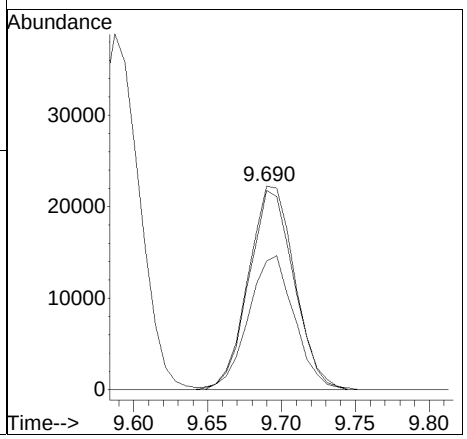


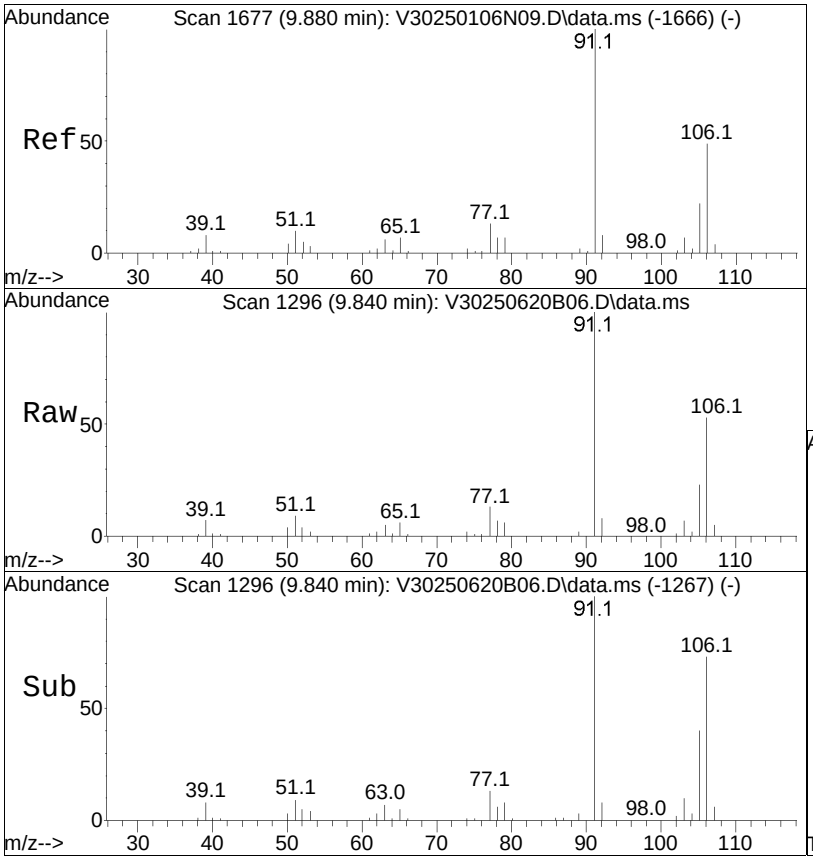


#80
1,1,1,2-Tetrachloroethane
Concen: 9.13 ug/L
RT: 9.690 min Scan# 1274
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:131 Resp: 48769

Ion	Ratio	Lower	Upper
131	100		
133	94.8	76.0	114.0
119	64.7	54.7	82.1

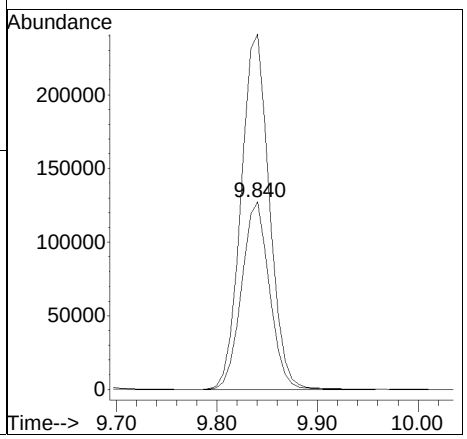


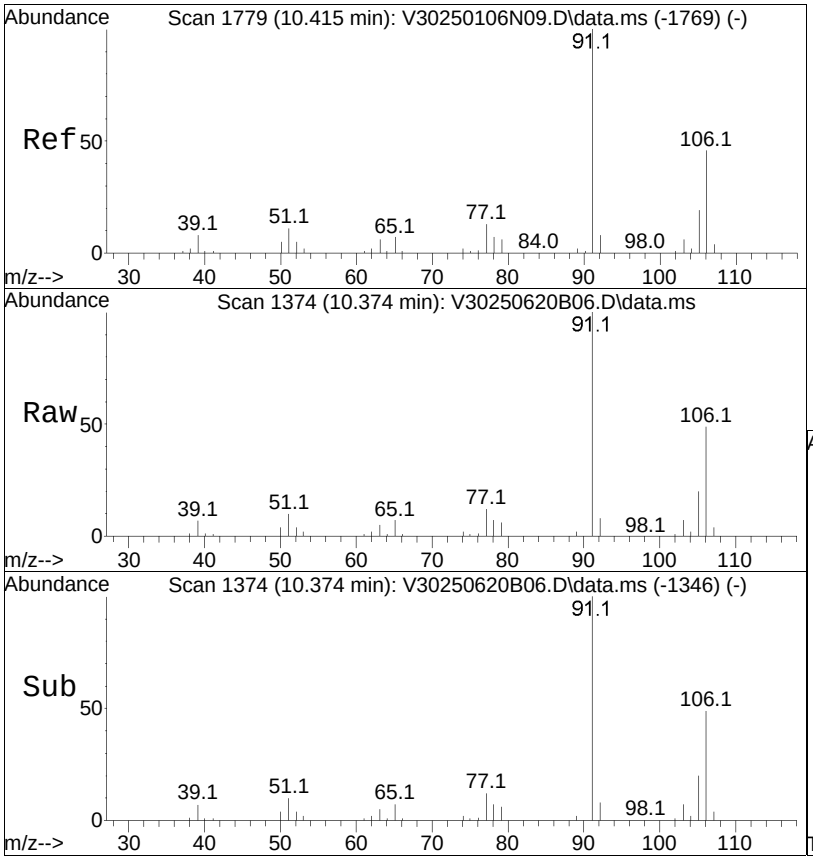


#81
p/m Xylene
Concen: 22.80 ug/L
RT: 9.840 min Scan# 1296
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:106 Resp: 245462

Ion	Ratio	Lower	Upper
106	100		
91	192.4	171.4	257.2

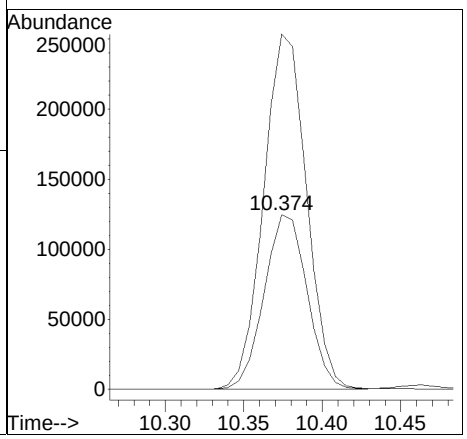


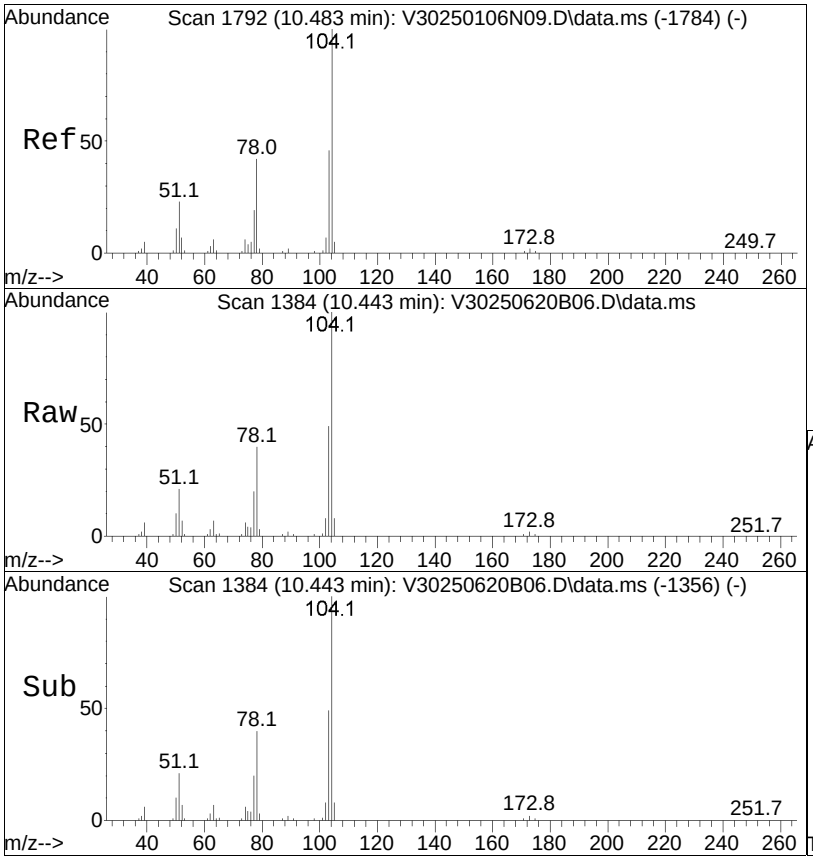


#82
o Xylene
Concen: 22.54 ug/L
RT: 10.374 min Scan# 1374
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:106 Resp: 237396

Ion	Ratio	Lower	Upper
106	100		
91	203.0	179.2	268.8

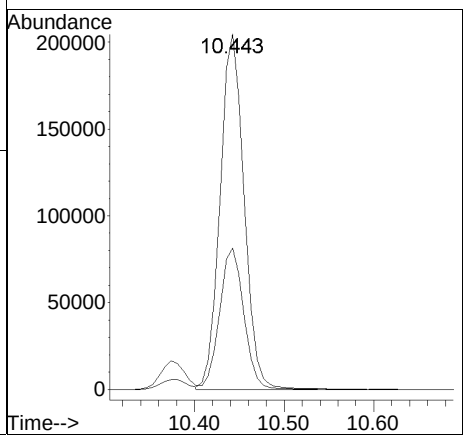


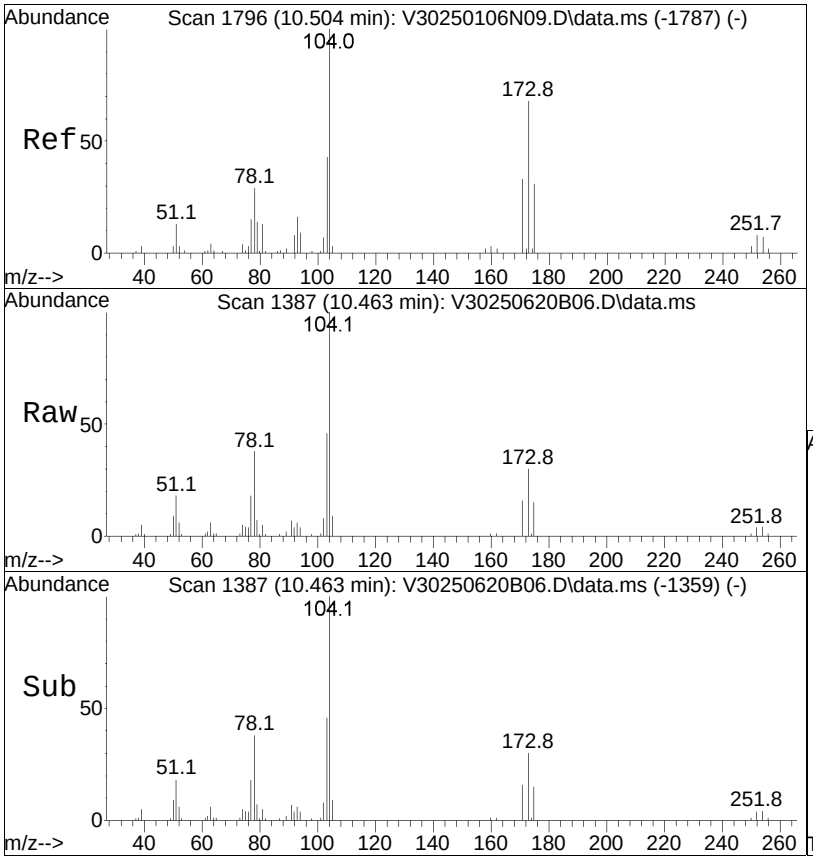


#83
Styrene
Concen: 22.04 ug/L
RT: 10.443 min Scan# 1384
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:104 Resp: 380695

Ion	Ratio	Lower	Upper
104	100		
78	40.0	38.1	57.1

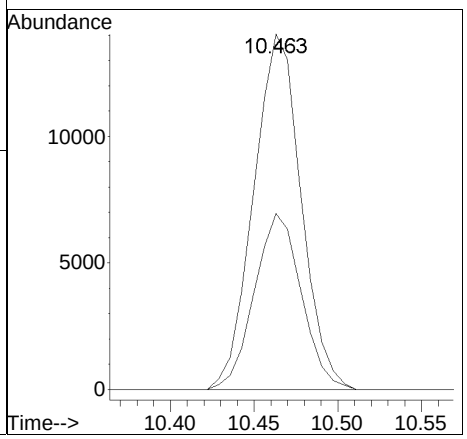


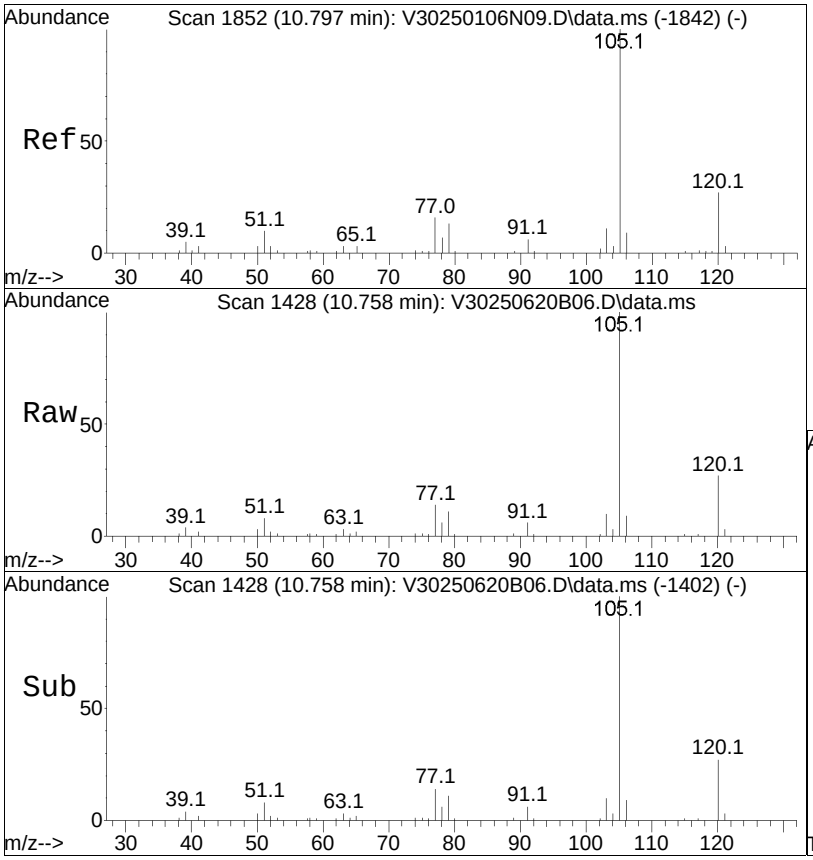


#85
Bromoform
Concen: 7.98 ug/L
RT: 10.463 min Scan# 1387
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:173 Resp: 27666

Ion	Ratio	Lower	Upper
173	100		
175	48.9	37.8	56.6

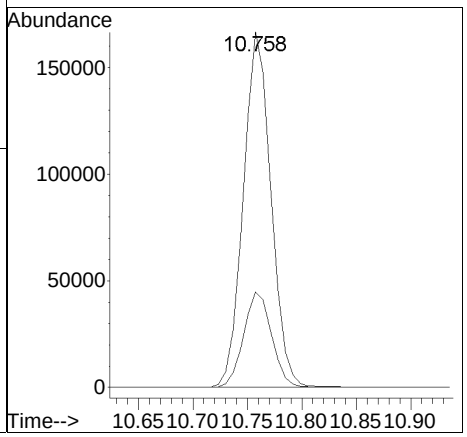


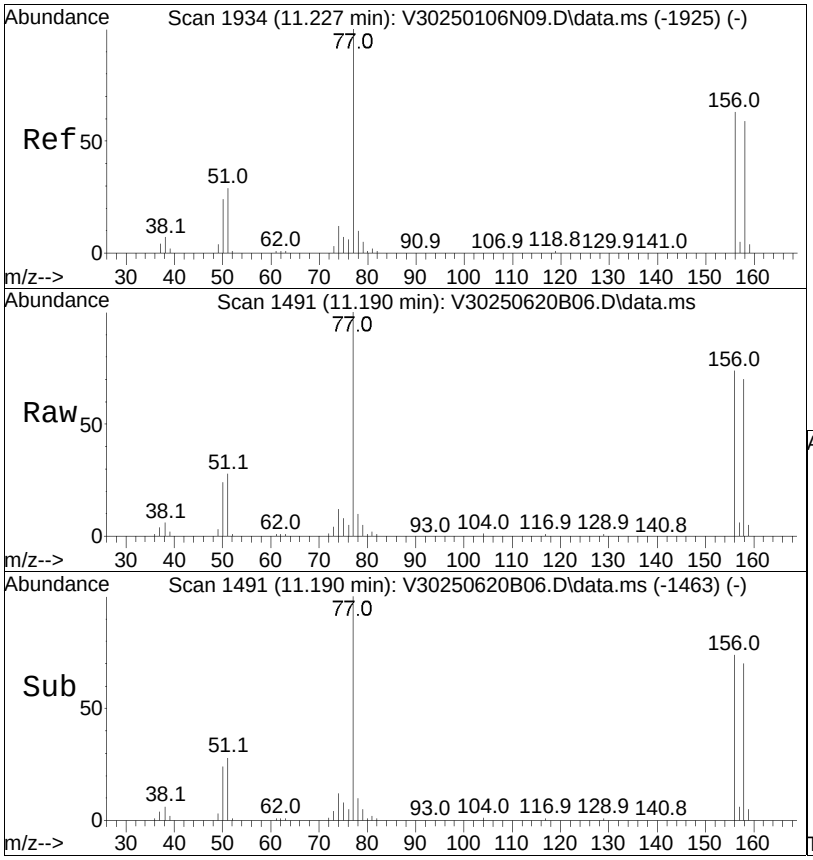


#87
Isopropylbenzene
Concen: 10.10 ug/L
RT: 10.758 min Scan# 1428
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:105 Resp: 294498

Ion	Ratio	Lower	Upper
105	100		
120	27.1	20.0	30.0

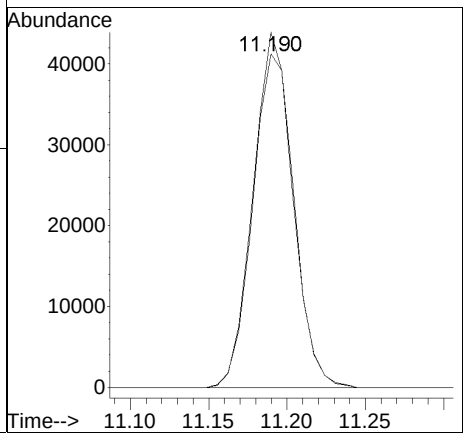


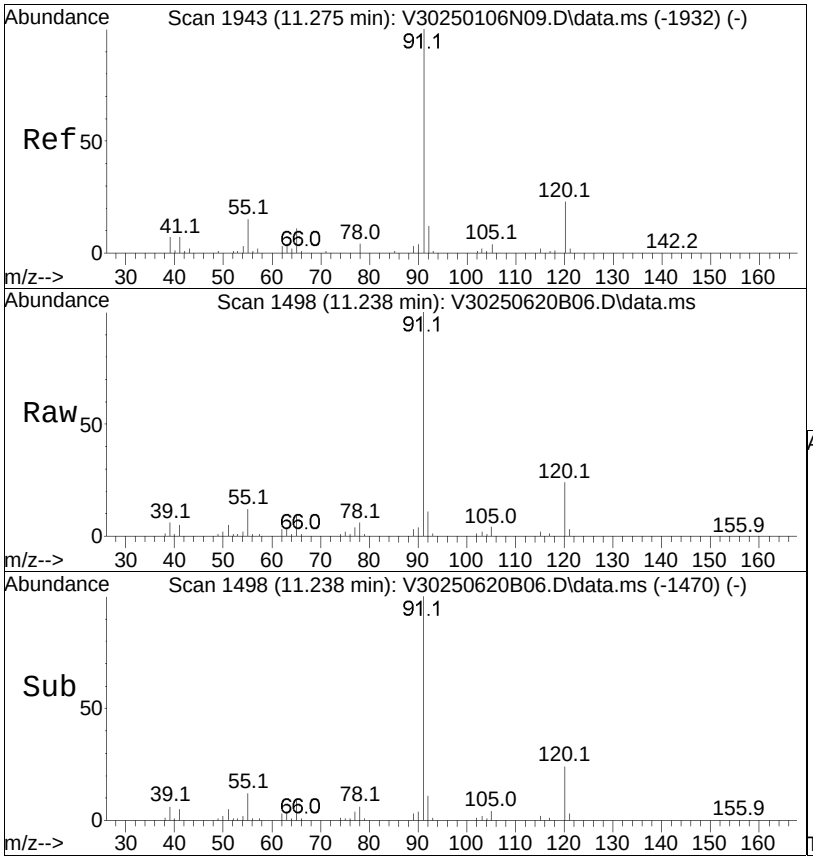


#89
Bromobenzene
Concen: 10.09 ug/L
RT: 11.190 min Scan# 1491
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:156 Resp: 77791

Ion	Ratio	Lower	Upper
156	100		
158	96.7	78.3	117.5

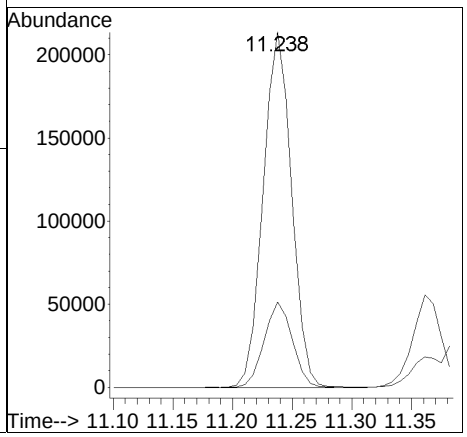


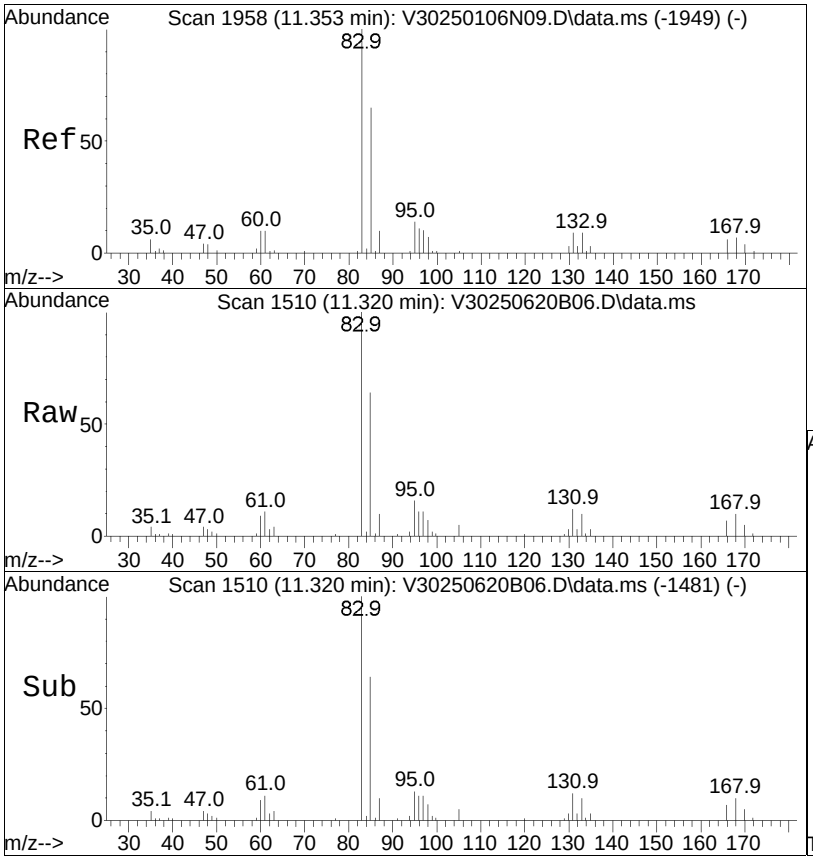


#90
n-Propylbenzene
Concen: 10.51 ug/L
RT: 11.238 min Scan# 1498
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 91 Resp: 353650

Ion	Ratio	Lower	Upper
91	100		
120	23.8	16.3	24.5

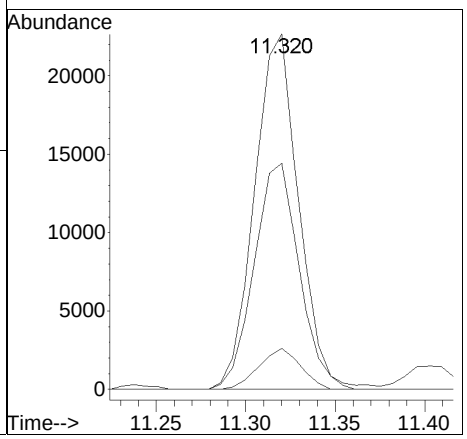


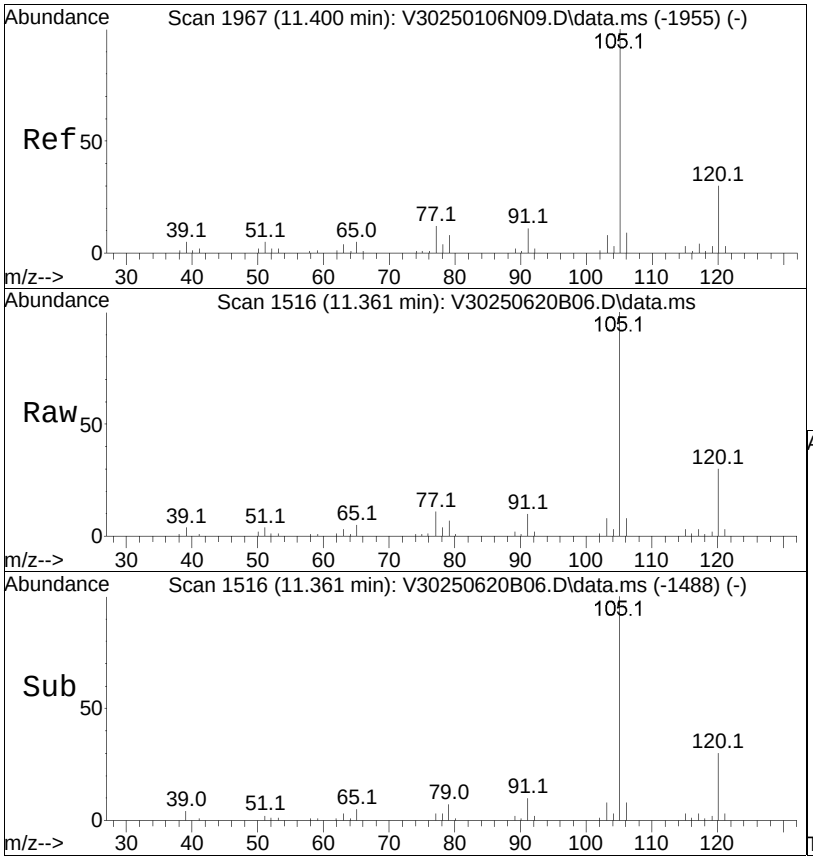


#92
1,1,2,2-Tetrachloroethane
Concen: 8.05 ug/L
RT: 11.320 min Scan# 1510
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 83 Resp: 38583

Ion	Ratio	Lower	Upper
83	100		
131	11.0	6.6	10.0#
85	66.5	51.8	77.6

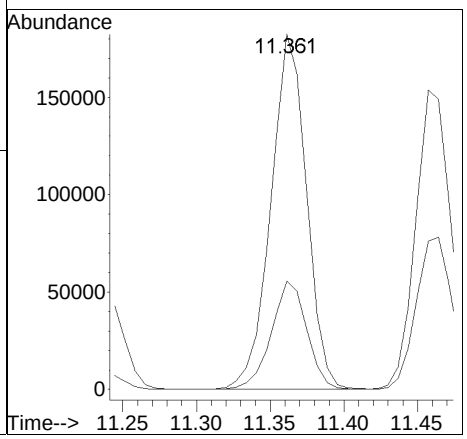


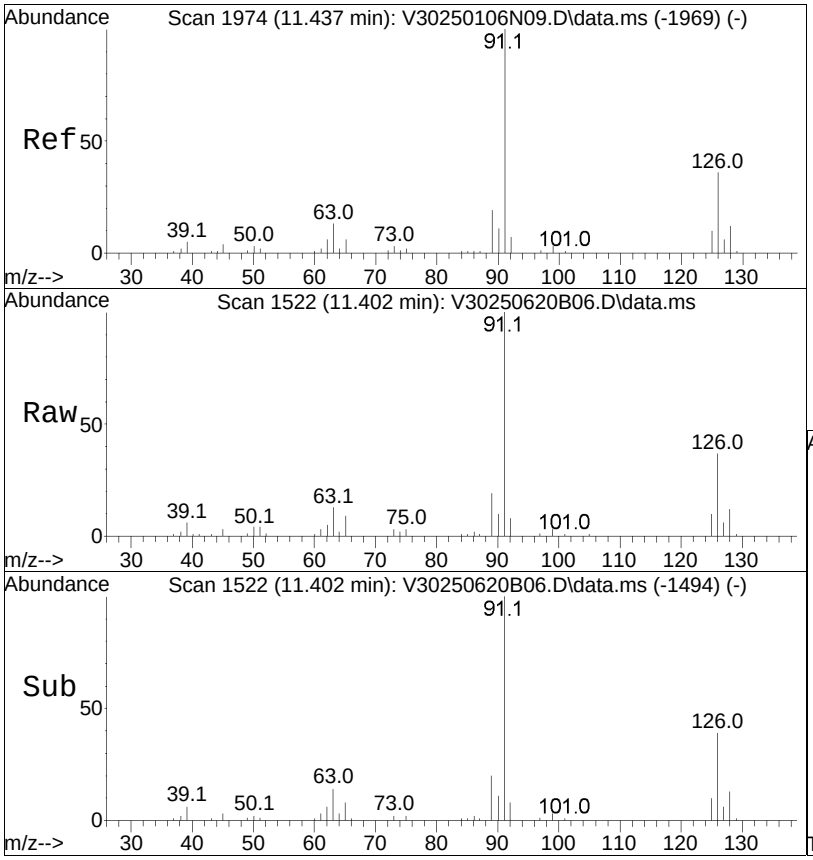


#93
4-Ethyltoluene
Concen: 10.68 ug/L
RT: 11.361 min Scan# 1516
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:105 Resp: 306457

Ion	Ratio	Lower	Upper
105	100		
120	30.4	18.5	38.3

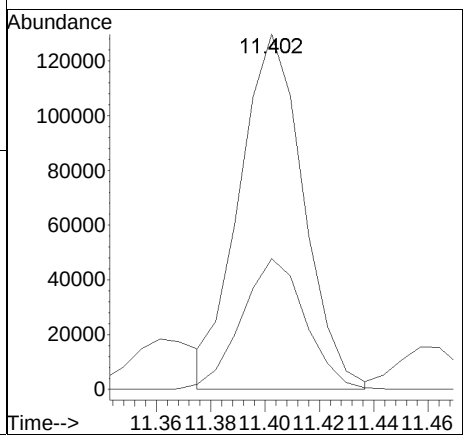


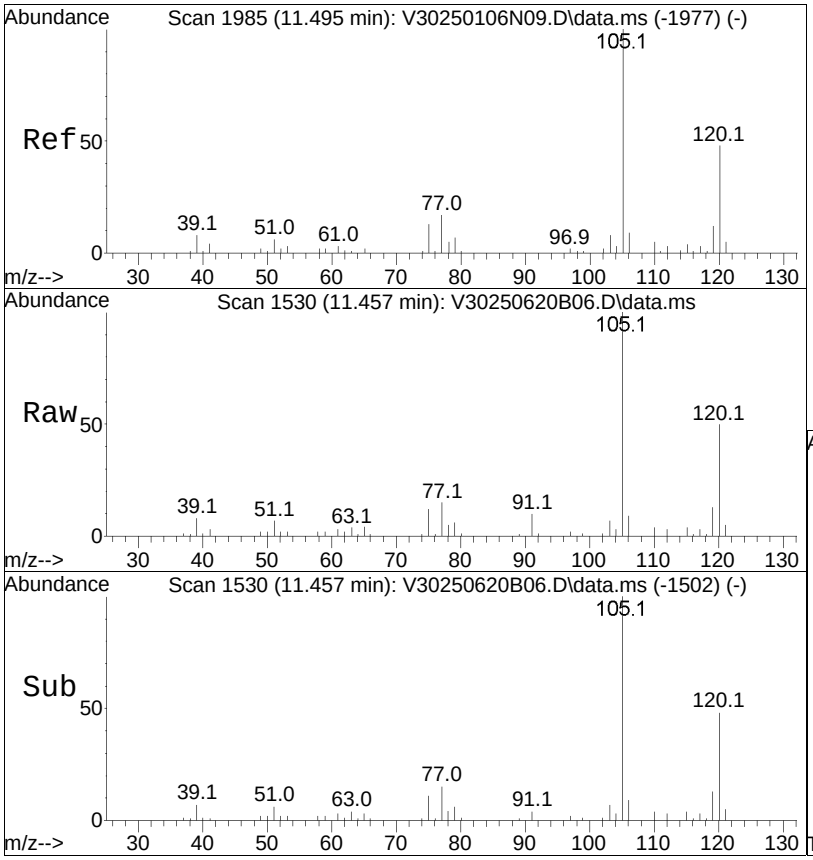


#94
2-Chlorotoluene
Concen: 10.48 ug/L M6
RT: 11.402 min Scan# 1522
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 91 Resp: 212868

Ion	Ratio	Lower	Upper
91	100		
126	36.7	20.6	31.0#

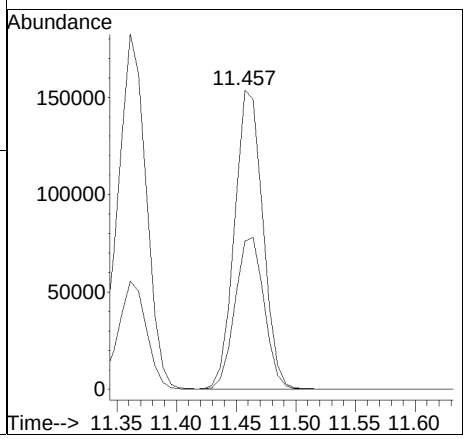


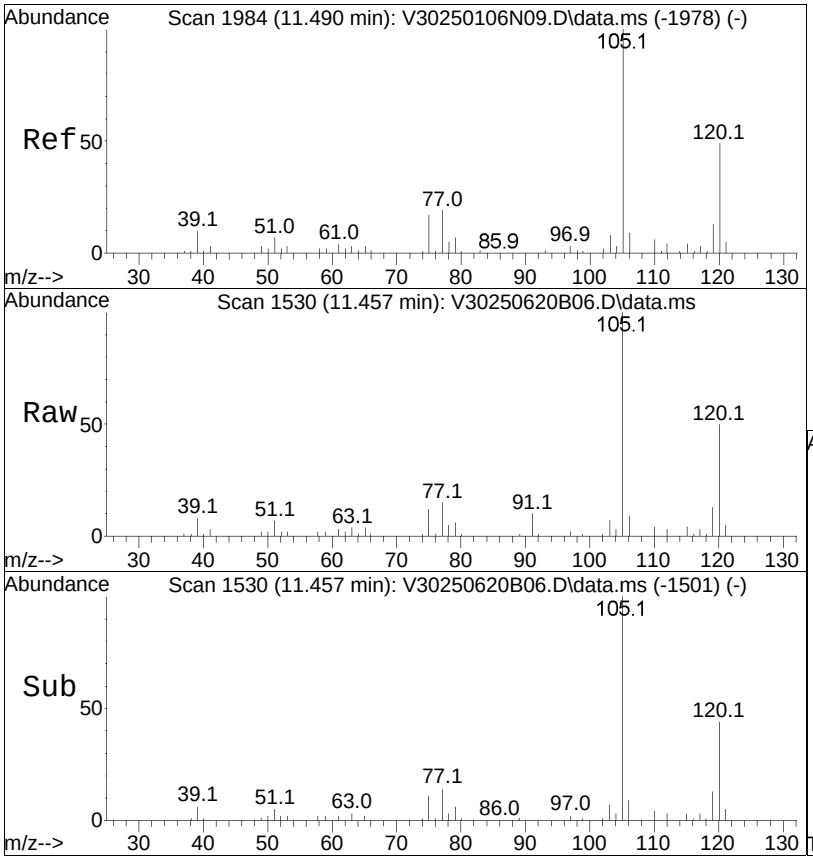


#95
1,3,5-Trimethylbenzene
Concen: 10.72 ug/L
RT: 11.457 min Scan# 1530
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:105 Resp: 254503

Ion	Ratio	Lower	Upper
105	100		
120	52.3	37.8	56.6

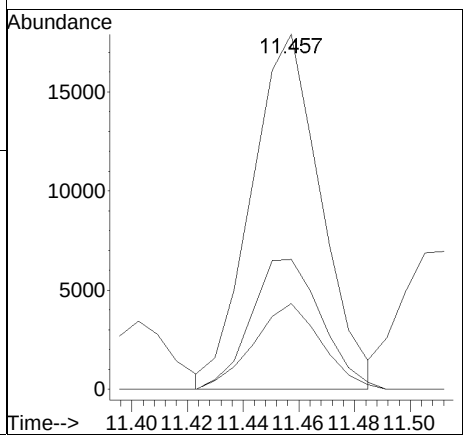


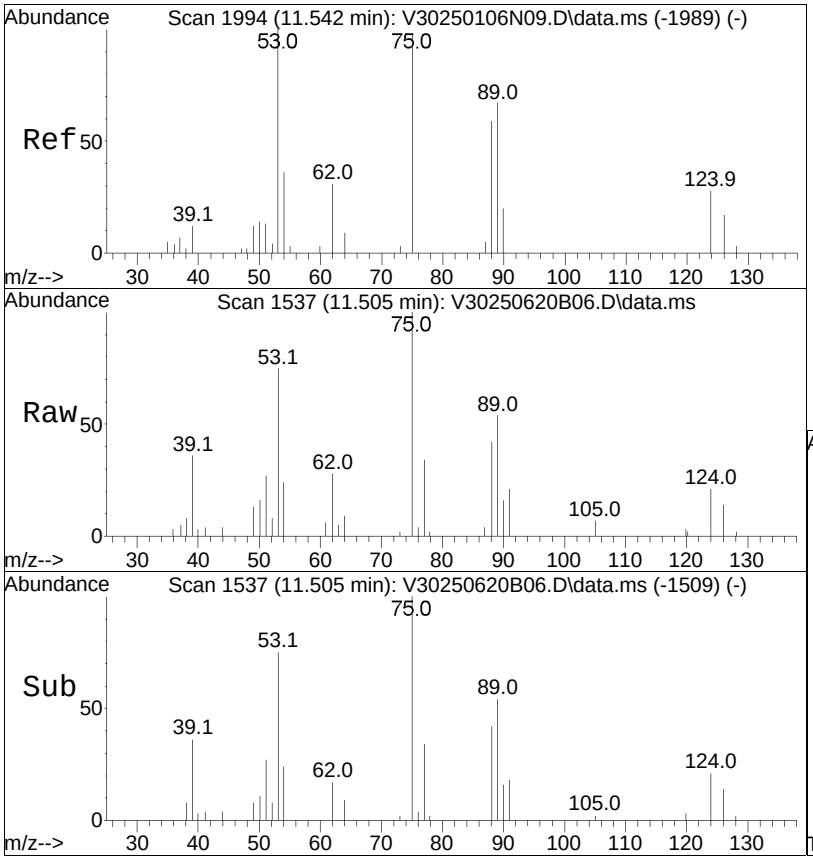


#96
1,2,3-Trichloropropane
Concen: 8.16 ug/L
RT: 11.457 min Scan# 1530
Delta R.T. 0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 75 Resp: 31108

Ion	Ratio	Lower	Upper
75	100		
110	37.2	18.4	38.2
112	23.6	12.0	25.0

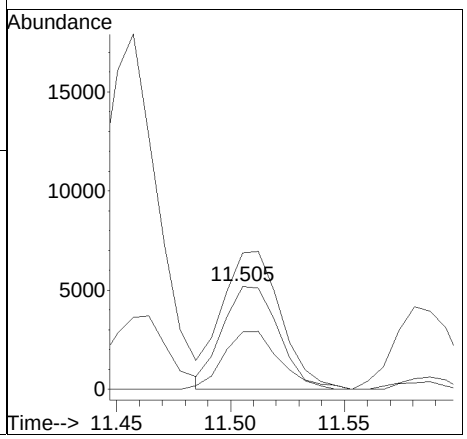


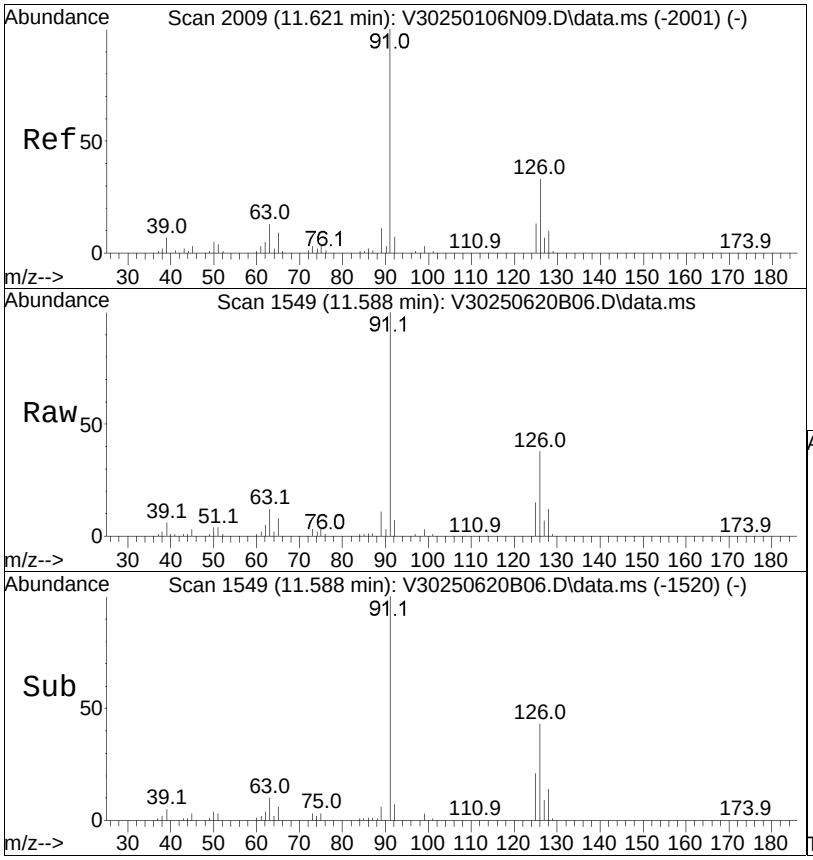


#97
trans-1,4-Dichloro-2-butene
Concen: 7.92 ug/L
RT: 11.505 min Scan# 1537
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 53 Resp: 8958

Ion	Ratio	Lower	Upper
53	100		
88	55.6	33.5	50.3#
75	139.5	94.6	141.8

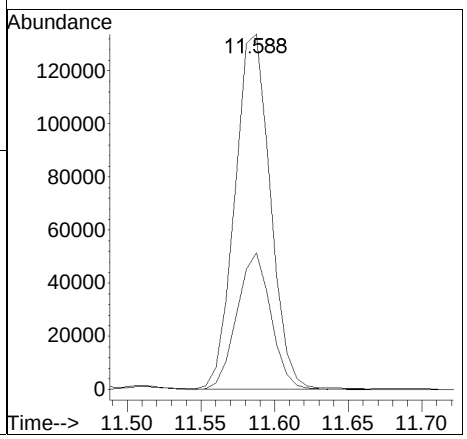


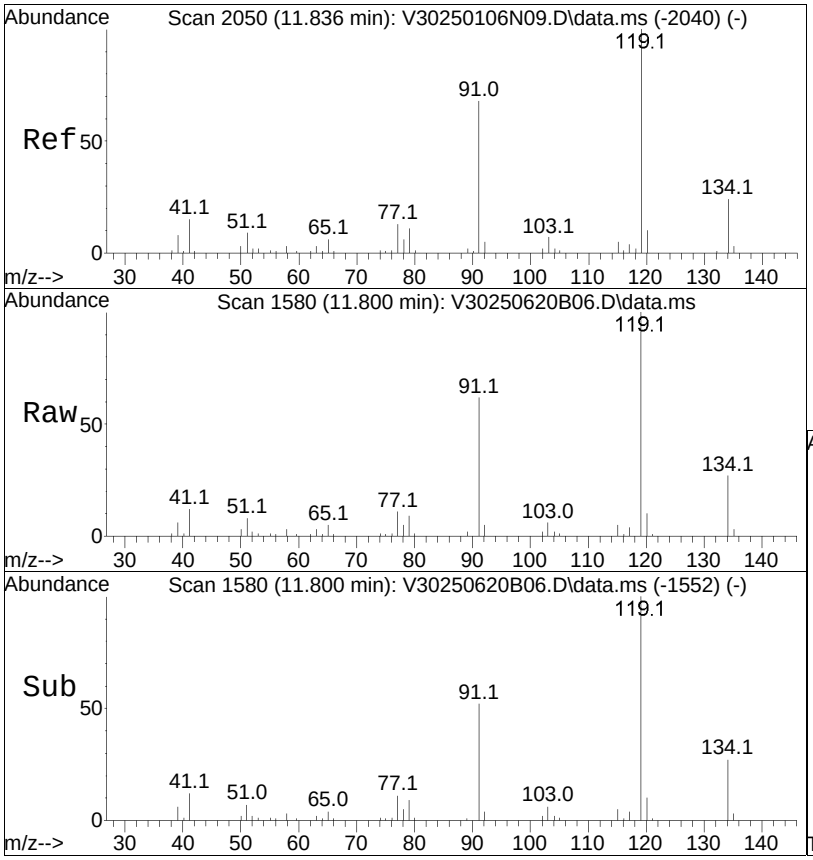


#98
4-Chlorotoluene
Concen: 10.36 ug/L
RT: 11.588 min Scan# 1549
Delta R.T. -0.000 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 91 Resp: 222666

Ion	Ratio	Lower	Upper
91	100		
126	37.0	23.8	35.8#

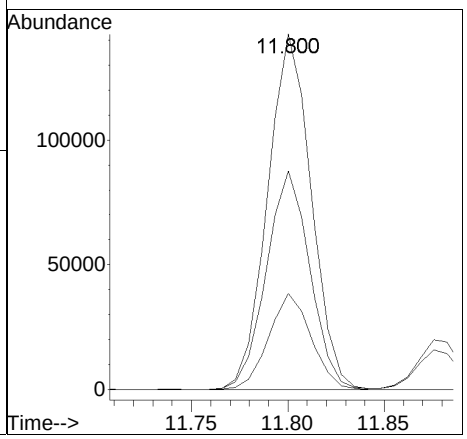


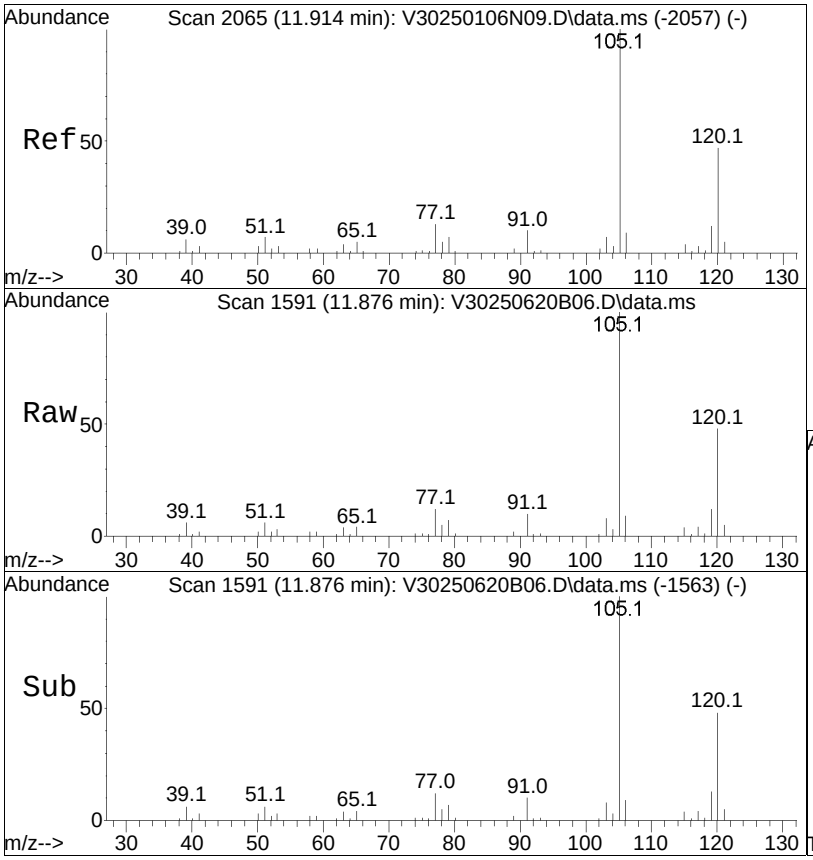


#99
tert-Butylbenzene
Concen: 10.35 ug/L
RT: 11.800 min Scan# 1580
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:119 Resp: 224197

Ion	Ratio	Lower	Upper
119	100		
91	61.4	58.8	88.2
134	26.2	18.6	27.8

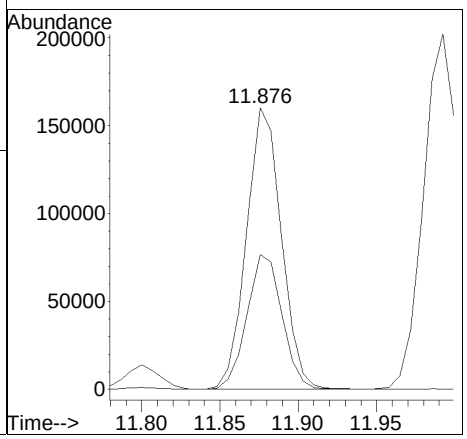


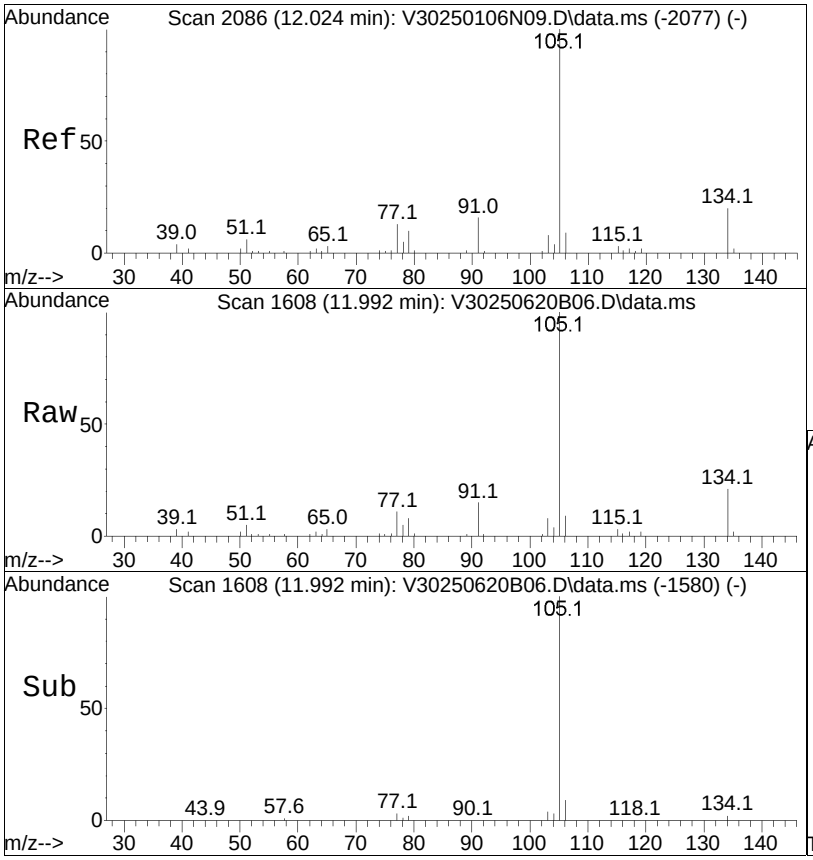


#102
1,2,4-Trimethylbenzene
Concen: 10.86 ug/L
RT: 11.876 min Scan# 1591
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:105 Resp: 249040

Ion	Ratio	Lower	Upper
105	100		
120	48.1	35.2	52.8

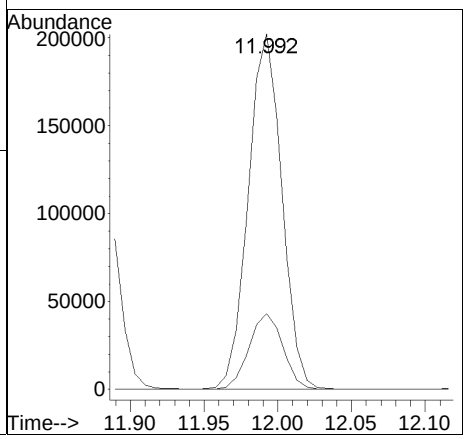


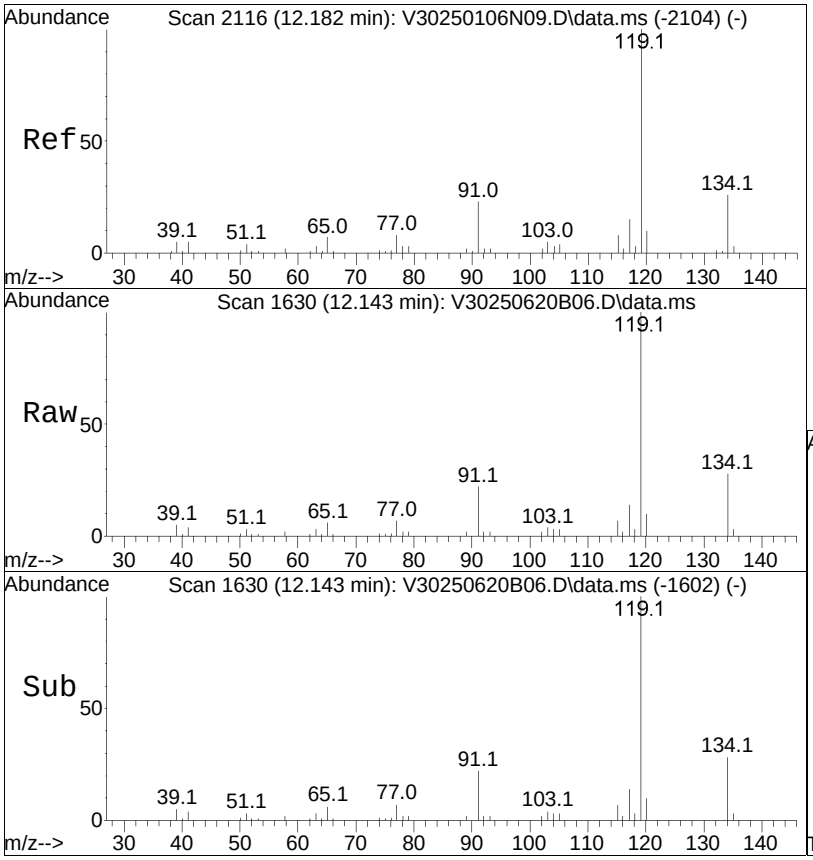


#103
sec-Butylbenzene
Concen: 10.63 ug/L
RT: 11.992 min Scan# 1608
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:105 Resp: 321047

Ion	Ratio	Lower	Upper
105	100		
134	21.5	11.4	23.6

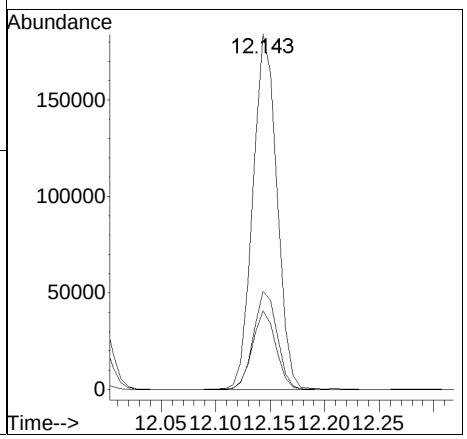


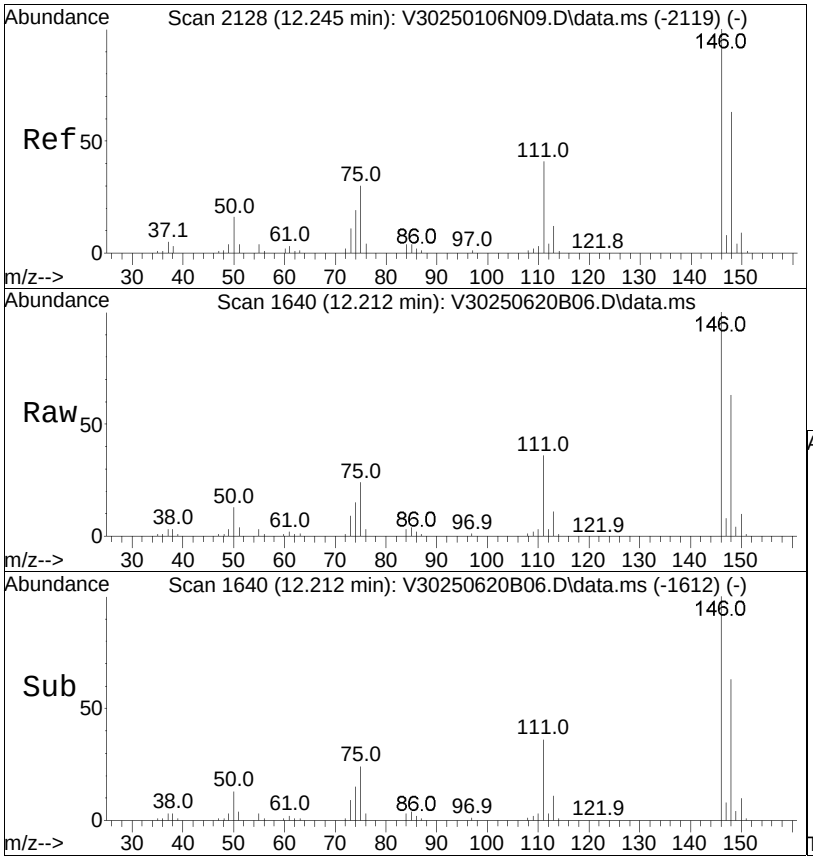


#104
p-Isopropyltoluene
Concen: 10.70 ug/L
RT: 12.143 min Scan# 1630
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:119 Resp: 282951

Ion	Ratio	Lower	Upper
119	100		
134	27.0	15.9	33.1
91	21.6	16.6	34.4

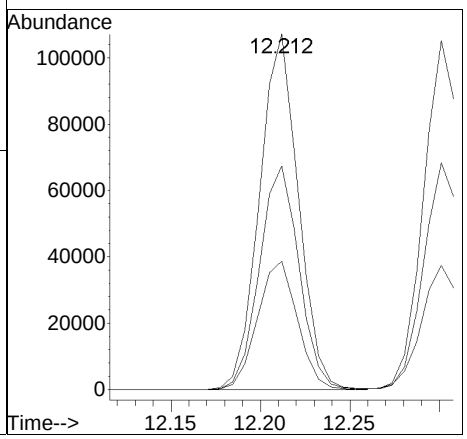


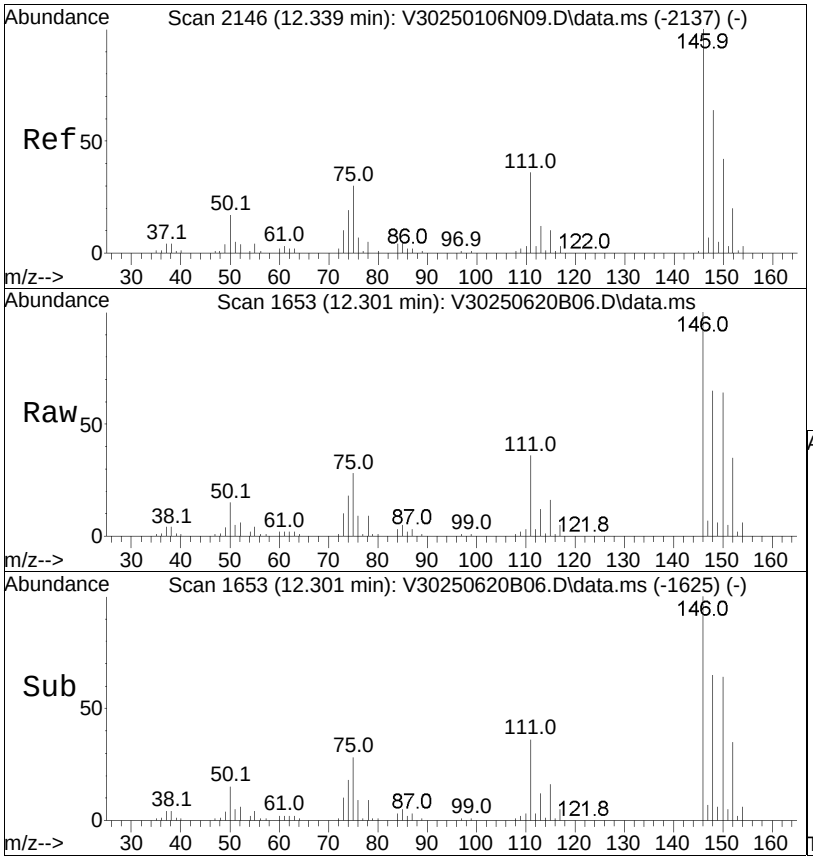


#105
1,3-Dichlorobenzene
Concen: 10.72 ug/L
RT: 12.212 min Scan# 1640
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:146 Resp: 161516

Ion	Ratio	Lower	Upper
146	100		
111	36.9	28.0	58.1
148	64.0	40.8	84.6

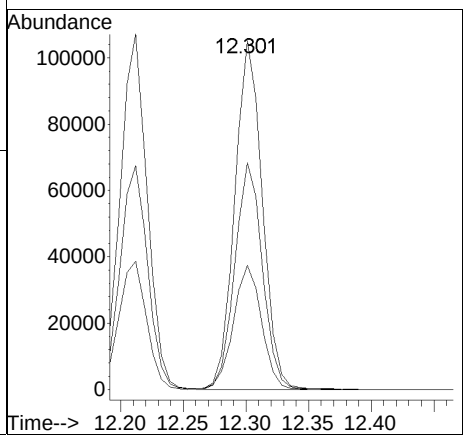


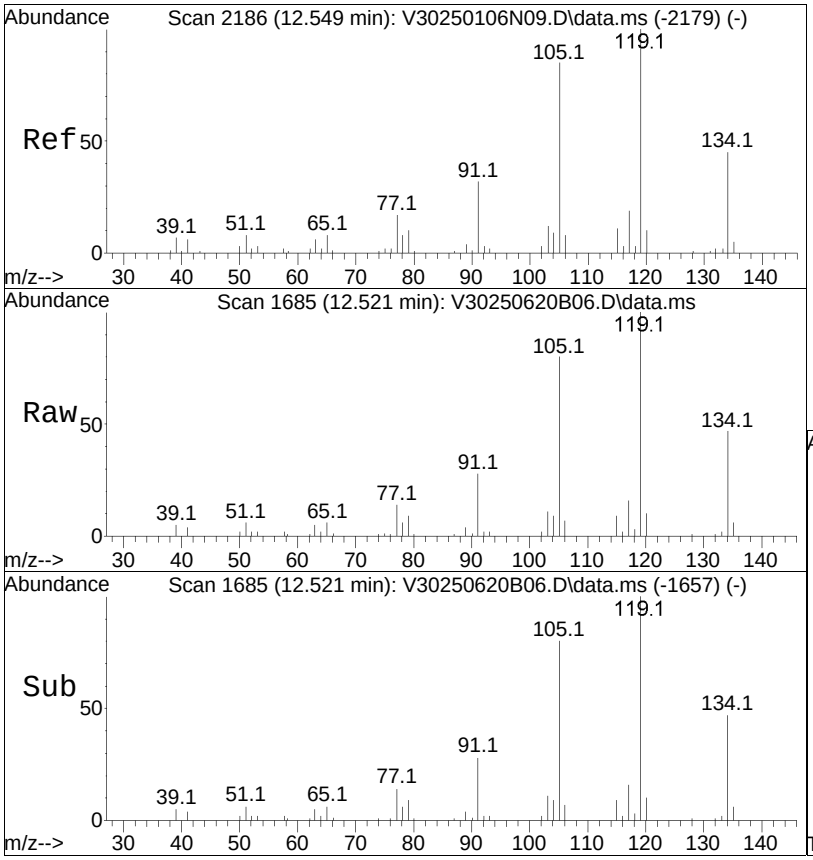


#106
1,4-Dichlorobenzene
Concen: 10.55 ug/L
RT: 12.301 min Scan# 1653
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:146 Resp: 160694

Ion	Ratio	Lower	Upper
146	100		
111	36.5	33.7	50.5
148	65.1	50.8	76.2

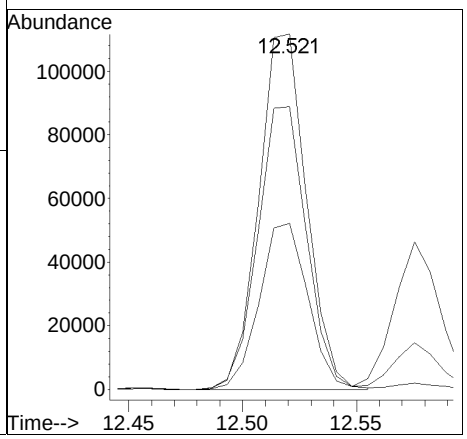


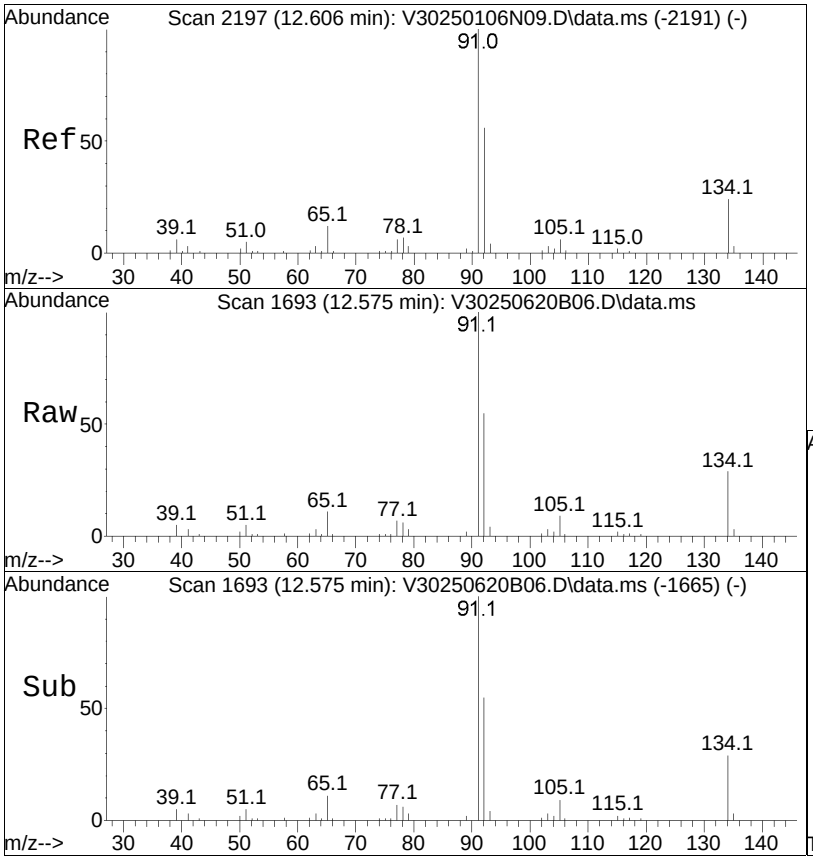


#107
p-Diethylbenzene
Concen: 10.70 ug/L
RT: 12.521 min Scan# 1685
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:119 Resp: 163141

Ion	Ratio	Lower	Upper
119	100		
105	81.1	58.4	121.2
134	47.5	28.7	59.5

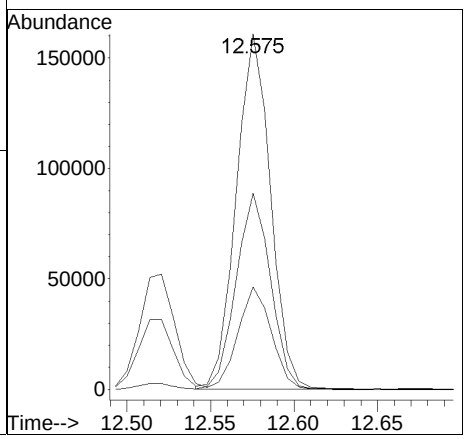


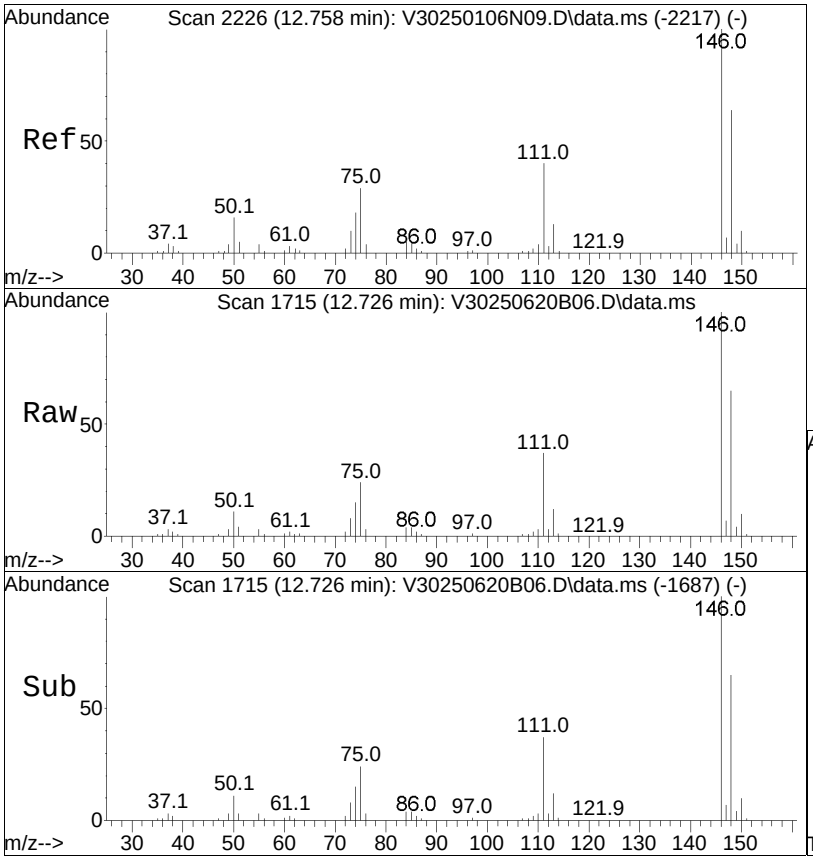


#108
n-Butylbenzene
Concen: 11.11 ug/L
RT: 12.575 min Scan# 1693
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion: 91 Resp: 229257

Ion	Ratio	Lower	Upper
91	100		
92	55.7	44.2	66.4
134	28.2	17.8	26.6#

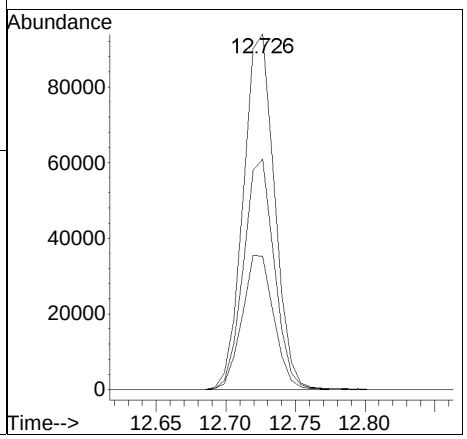


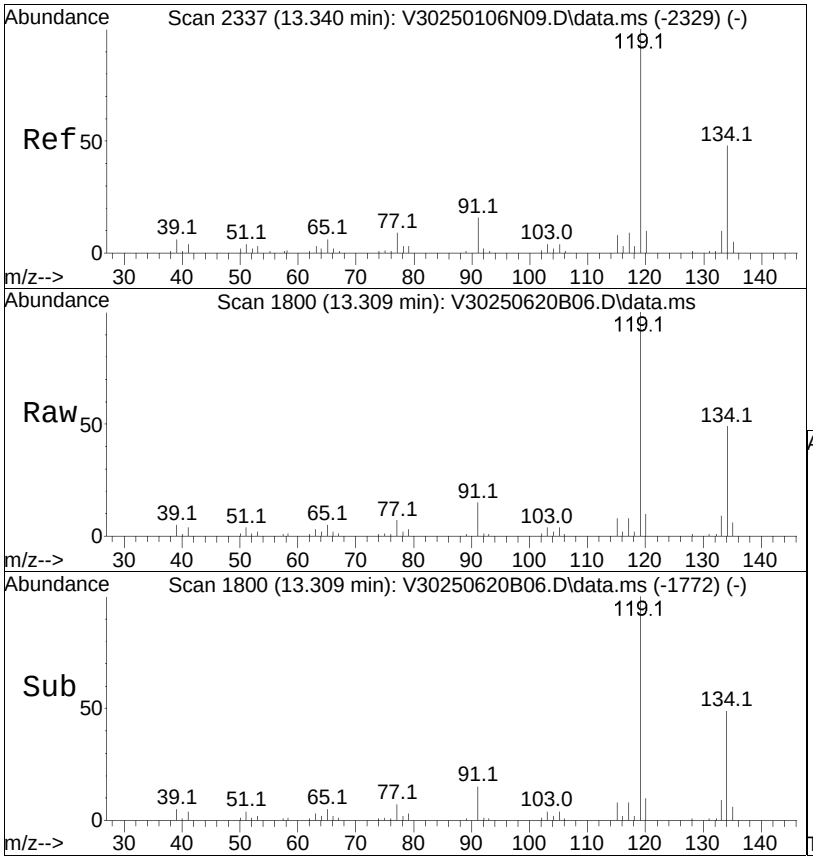


#109
1,2-Dichlorobenzene
Concen: 10.51 ug/L
RT: 12.726 min Scan# 1715
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:146 Resp: 146933

Ion	Ratio	Lower	Upper
146	100		
111	38.1	29.5	61.3
148	63.9	41.3	85.9

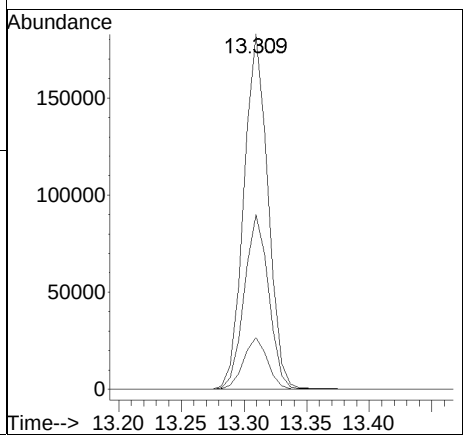


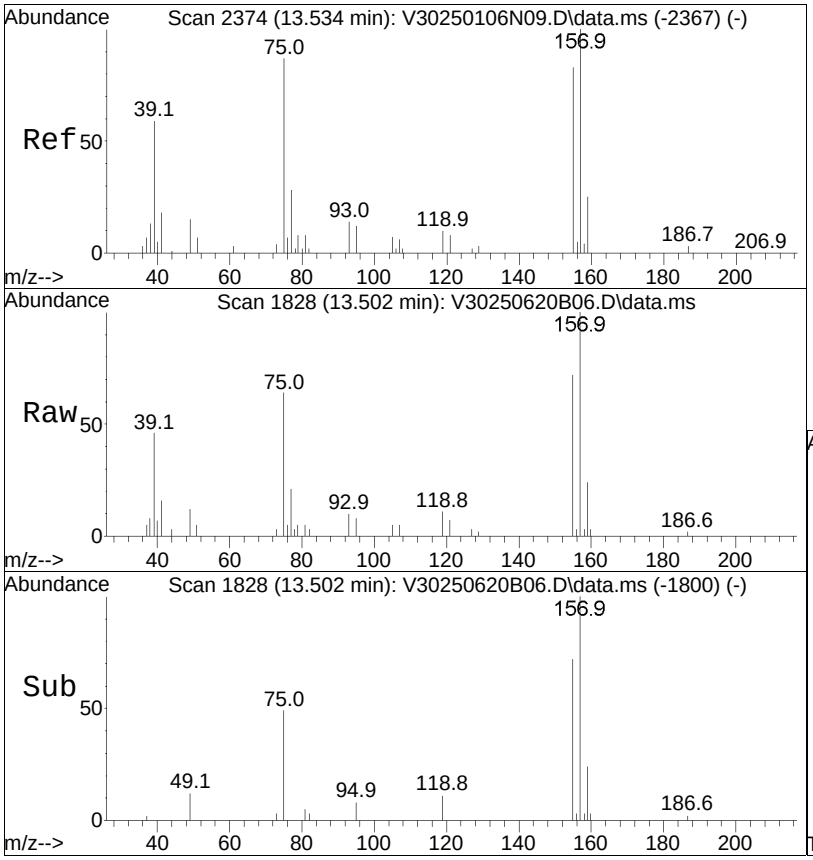


#110
1,2,4,5-Tetramethylbenzene
Concen: 11.19 ug/L
RT: 13.309 min Scan# 1800
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:119 Resp: 245692

Ion	Ratio	Lower	Upper
119	100		
134	49.8	29.1	60.5
91	14.5	11.5	23.9

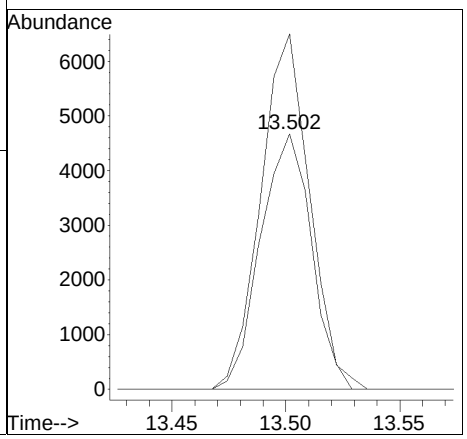


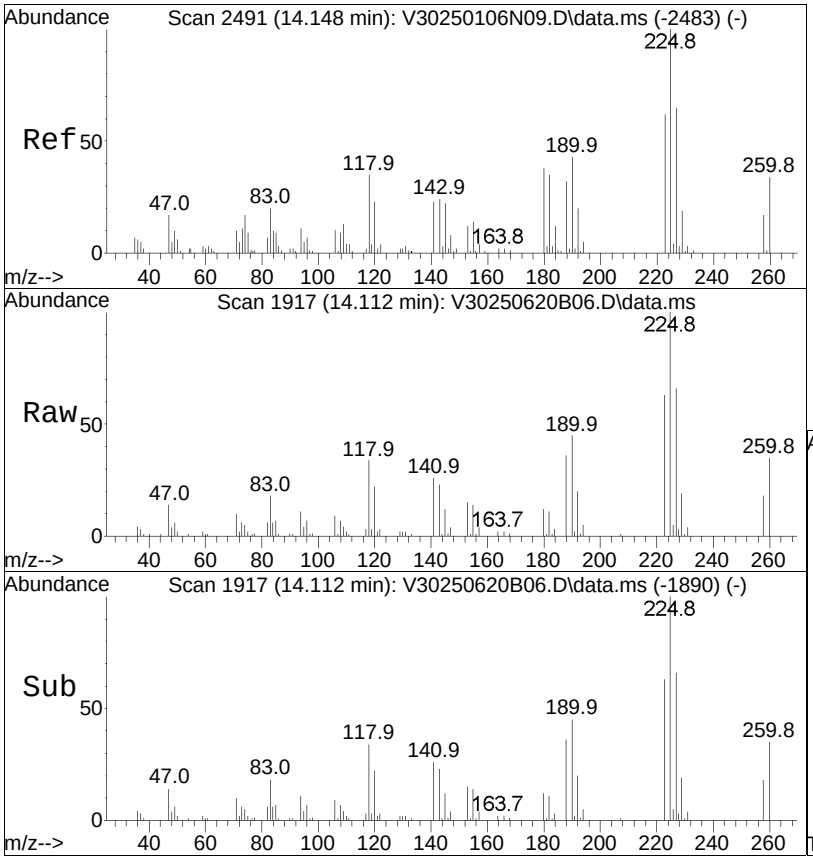


#111
1,2-Dibromo-3-chloropropane
Concen: 8.55 ug/L
RT: 13.502 min Scan# 1828
Delta R.T. -0.006 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:155 Resp: 7263

Ion	Ratio	Lower	Upper
155	100		
157	133.8	105.1	157.7

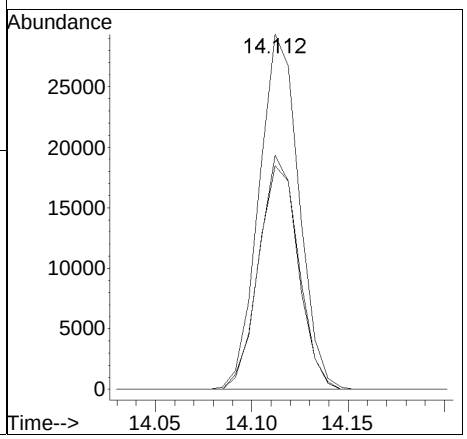


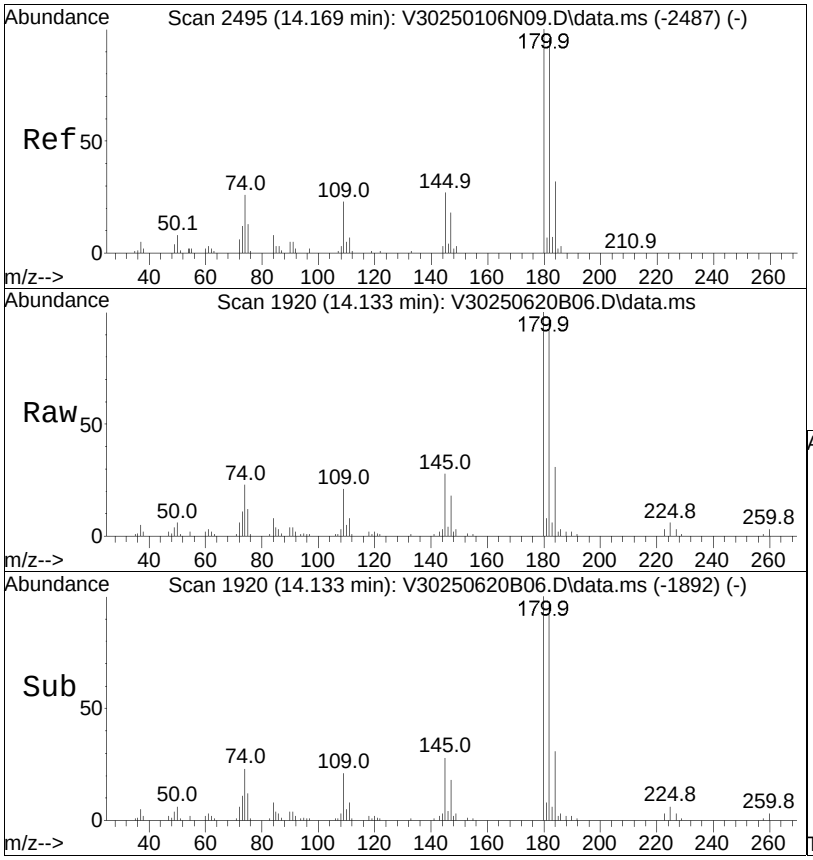


#113
Hexachlorobutadiene
Concen: 11.04 ug/L
RT: 14.112 min Scan# 1917
Delta R.T. -0.014 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:225 Resp: 42412

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	75.8
227	64.7	50.6	76.0

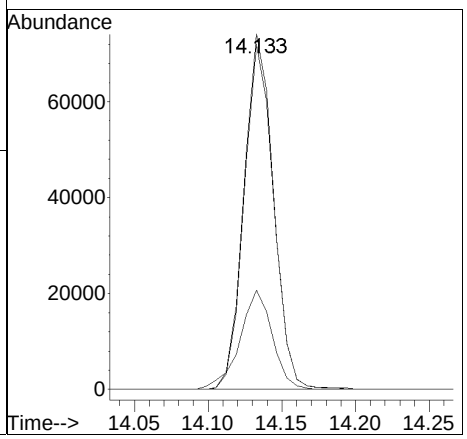


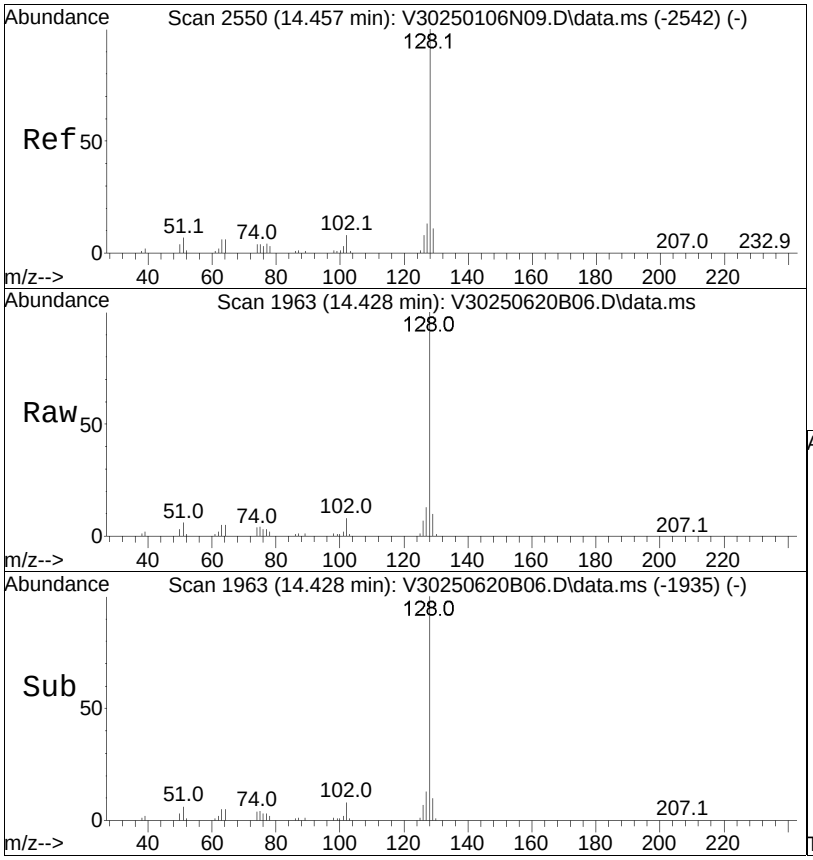


#114
1,2,4-Trichlorobenzene
Concen: 11.42 ug/L
RT: 14.133 min Scan# 1920
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:180 Resp: 103936

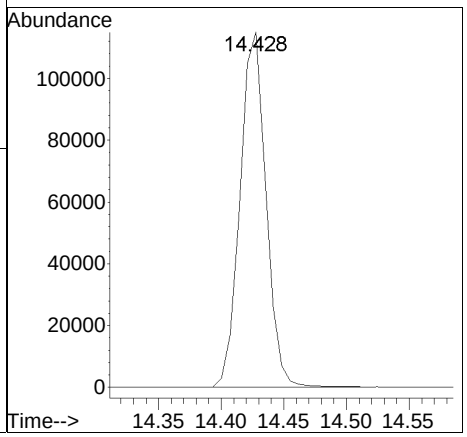
Ion	Ratio	Lower	Upper
180	100		
182	96.6	75.7	113.5
145	30.5	27.4	41.2

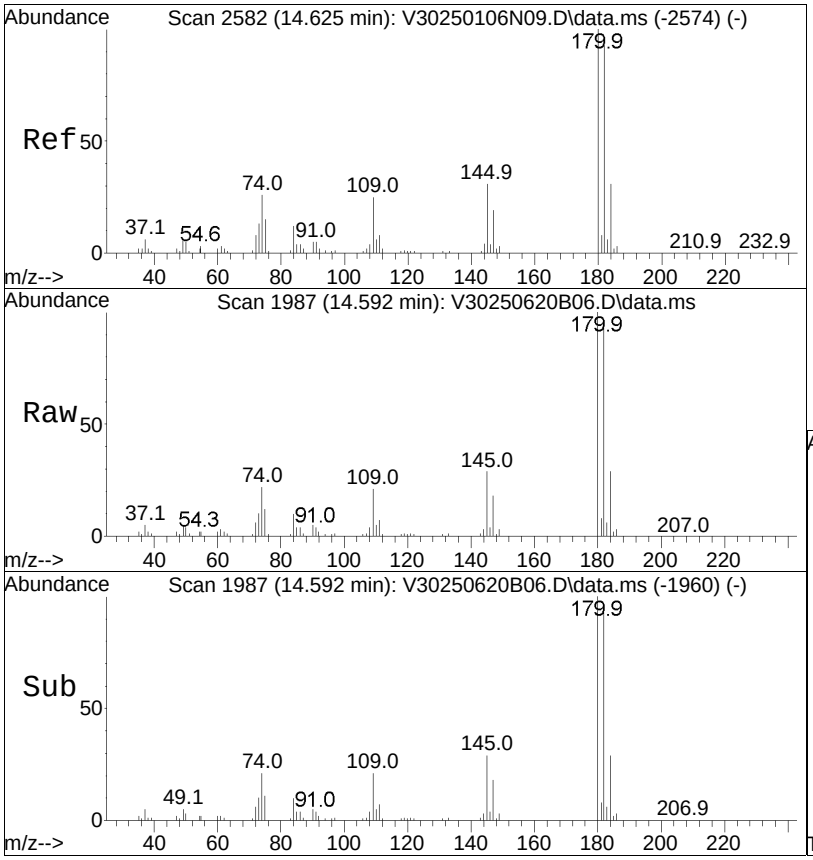




#115
Naphthalene
Concen: 9.37 ug/L
RT: 14.428 min Scan# 1963
Delta R.T. -0.007 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:128 Resp: 166356

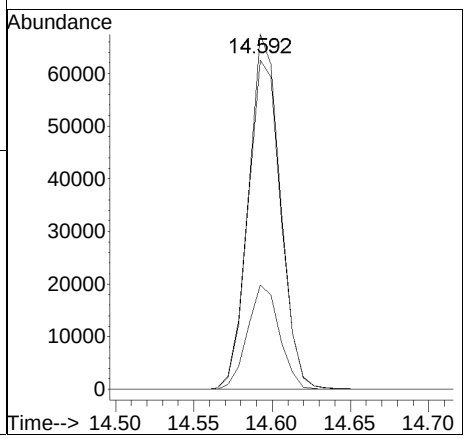




#116
1,2,3-Trichlorobenzene
Concen: 11.23 ug/L
RT: 14.592 min Scan# 1987
Delta R.T. -0.014 min
Lab File: V30250620B06.D
Acq: 20 Jun 2025 12:08 pm

Tgt Ion:180 Resp: 95483

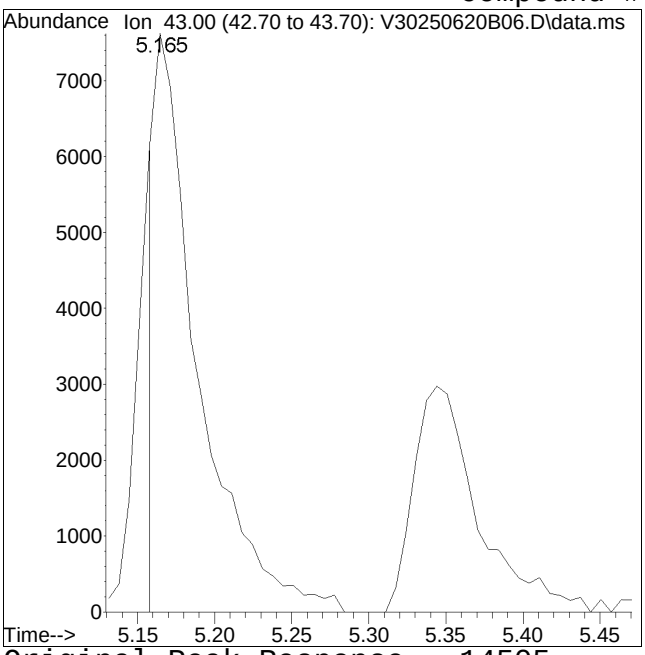
Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.9	112.3
145	29.5	26.0	39.0



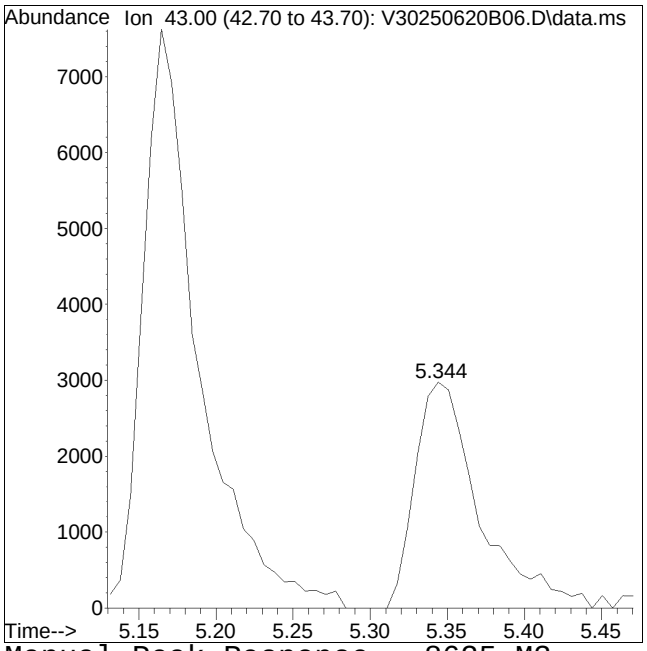
Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B06.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 12:08 pm	Instrument	: VOA130
Sample	: WG2082353-4,31,10,10	Quant Date	: 6/20/2025 12:38 pm

Compound #42: 2-Butanone



Original Peak Response = 14505



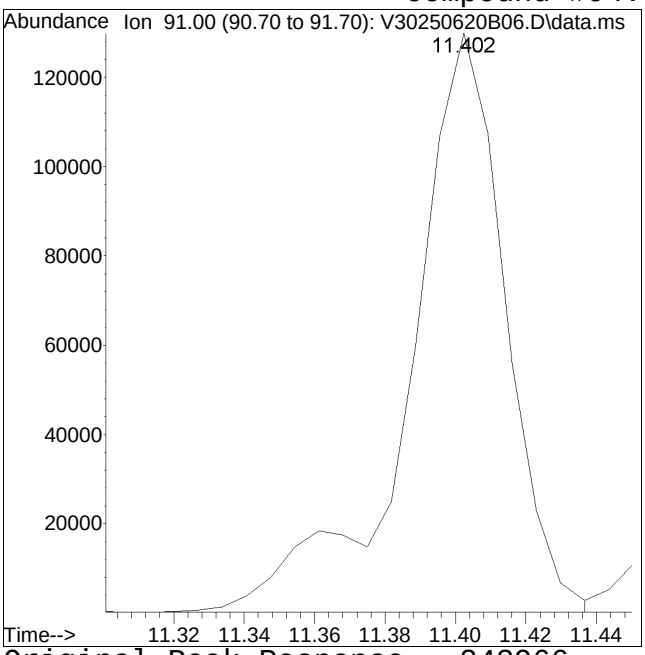
Manual Peak Response = 8625 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

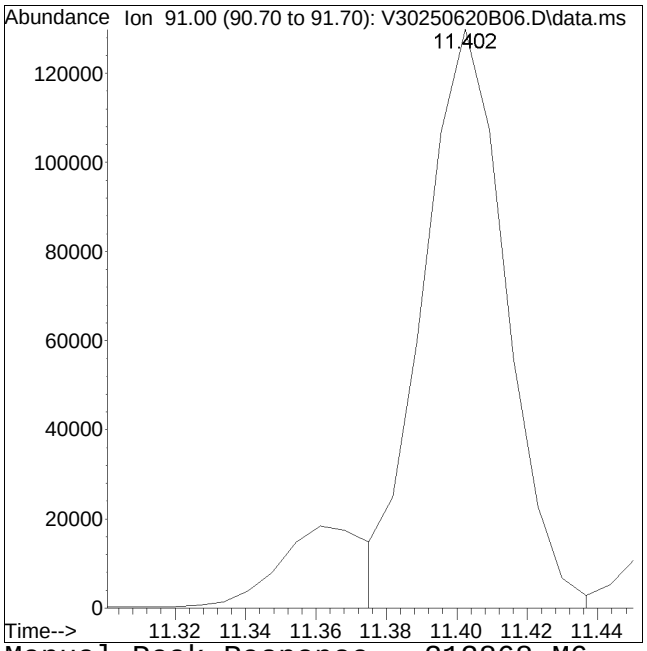
Manual Integration Report

Data Path	: K:\VOA130\2025\250620B\	QMethod	: V130_250521A_8260D.m
Data File	: V30250620B06.D	Operator	: VOA130:PID
Date Inj'd	: 6/20/2025 12:08 pm	Instrument	: VOA130
Sample	: WG2082353-4,31,10,10	Quant Date	: 6/20/2025 12:38 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 243966



Manual Peak Response = 212868 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A26.D
Acq On : 19 Jun 2025 8:12 pm
Operator : ELAINE:mjv
Sample : WG2081757-6,31,10,10,,A1 (Sig #1); L2535869-07MS,31,10,10,,A1 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 21 09:04:44 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	255284	10.000	ug/L	0.00
Standard Area 1 = 268738			Recovery = 94.99%			
63) Chlorobenzene-d5	9.253	117	214521	10.000	ug/L	0.00
Standard Area 1 = 217636			Recovery = 98.57%			
84) 1,4-Dichlorobenzene-d4	12.010	152	134011	10.000	ug/L	0.00
Standard Area 1 = 131839			Recovery = 101.65%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	77725	10.935	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 109.35%			
47) 1,2-Dichloroethane-d4	5.465	65	76549	10.876	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 108.76%			
64) Toluene-d8	7.420	98	263947	9.763	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 97.63%			
88) 4-Bromofluorobenzene	10.777	95	94052	8.707	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 87.07%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	56394	6.852	ug/L	98
3) Chloromethane	1.693	50	67629	7.759	ug/L	99
4) Vinyl chloride	1.759	62	78230	10.423	ug/L	97
5) Bromomethane	2.049	94	25951	6.216	ug/L	95
6) Chloroethane	2.159	64	61769	12.687	ug/L	95
7) Trichlorofluoromethane	2.291	101	106016	10.852	ug/L	100
8) Ethyl ether	2.567	74	38384	12.488	ug/L	84
10) 1,1-Dichloroethene	2.756	96	66431	11.522	ug/L	82
11) Carbon disulfide	2.787	76	196752	10.816	ug/L	99
15) Methylene chloride	3.292	84	68021	10.757	ug/L	87
17) Acetone	3.327	43	13931	9.860	ug/L	92
18) trans-1,2-Dichloroethene	3.437	96	61776	10.486	ug/L	90
21) Methyl tert-butyl ether	3.533	73	371674	27.642	ug/L #	89
25) 1,1-Dichloroethane	4.003	63	122584	10.542	ug/L	99
27) Acrylonitrile	4.051	53	17351	10.112	ug/L	95
29) Vinyl acetate	4.236	43	81895	7.388	ug/L	98
30) cis-1,2-Dichloroethene	4.517	96	70248	10.295	ug/L	86
31) 2,2-Dichloropropane	4.613	77	75177	8.329	ug/L	86
33) Bromochloromethane	4.701	128	36600	11.252	ug/L #	73
35) Chloroform	4.780	83	116693	10.750	ug/L	96

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A26.D
Acq On : 19 Jun 2025 8:12 pm
Operator : ELAINE:mjv
Sample : WG2081757-6,31,10,10,,A1 (Sig #1); L2535869-07MS,31,10,10,,A1 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 21 09:04:44 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.903	117	100578	13.163	ug/L		91
40) 1,1,1-Trichloroethane	4.969	97	93293	10.560	ug/L		96
42) 2-Butanone	5.061	43	17803	8.736	ug/L		97
43) 1,1-Dichloropropene	5.092	75	69528	10.293	ug/L		97
45) Benzene	5.329	78	233299	10.058	ug/L		96
48) 1,2-Dichloroethane	5.535	62	73364	10.591	ug/L		98
52) Trichloroethene	5.922	95	57455	10.125	ug/L		92
54) Dibromomethane	6.357	93	35320	10.689	ug/L		89
55) 1,2-Dichloropropane	6.461	63	58492	9.677	ug/L		99
58) Bromodichloromethane	6.538	83	77801	9.942	ug/L		99
61) 1,4-Dioxane	6.741	88	25363	880.373	ug/L	#	87
62) cis-1,3-Dichloropropene	7.217	75	79066	9.074	ug/L		92
65) Toluene	7.479	92	153873	9.831	ug/L		98
66) 4-Methyl-2-pentanone	7.913	58	14513	9.339	ug/L		85
67) Tetrachloroethene	7.922	166	71800	10.980	ug/L		96
69) trans-1,3-Dichloropropene	7.963	75	69550	9.155	ug/L		93
71) Ethyl methacrylate	8.158	69	54829	8.388	ug/L		97
72) 1,1,2-Trichloroethane	8.149	83	37993	10.079	ug/L		94
73) Chlorodibromomethane	8.357	129	58681	9.976	ug/L		98
74) 1,3-Dichloropropane	8.465	76	81715	10.274	ug/L		99
75) 1,2-Dibromoethane	8.624	107	45644	10.079	ug/L		100
77) 2-Hexanone	8.918	43	25032	7.112	ug/L		98
78) Chlorobenzene	9.275	112	185776	10.150	ug/L		92
79) Ethylbenzene	9.316	91	305949	9.553	ug/L		96
80) 1,1,1,2-Tetrachloroethane	9.357	131	61727	10.242	ug/L		98
81) p/m Xylene	9.502	106	252830	18.888	ug/L		93
82) o Xylene	10.045	106	247918	18.716	ug/L		90
83) Styrene	10.117	104	416702	18.695	ug/L		95
85) Bromoform	10.144	173	38322	9.626	ug/L		94
87) Isopropylbenzene	10.446	105	314186	8.507	ug/L		95
89) Bromobenzene	10.887	156	84150	9.970	ug/L		100
90) n-Propylbenzene	10.940	91	379400	8.717	ug/L		97
91) 1,4-Dichlorobutane	10.958	55	81525	7.988	ug/L		99
92) 1,1,2,2-Tetrachloroethane	11.037	83	61423	10.486	ug/L		97
93) 4-Ethyltoluene	11.072	105	317272	8.552	ug/L		96
94) 2-Chlorotoluene	11.112	91	224683M6	8.700	ug/L		
95) 1,3,5-Trimethylbenzene	11.173	105	286246	8.799	ug/L		96
96) 1,2,3-Trichloropropane	11.173	75	49924	9.810	ug/L		96
97) trans-1,4-Dichloro-2-b...	11.231	53	15530	7.535	ug/L	#	81

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A26.D
Acq On : 19 Jun 2025 8:12 pm
Operator : ELAINE:mjv
Sample : WG2081757-6,31,10,10,,A1 (Sig #1); L2535869-07MS,31,10,10,,A1 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 21 09:04:44 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Chlorotoluene	11.297	91	231957	8.644	ug/L	92
99) tert-Butylbenzene	11.517	119	248089	8.771	ug/L	93
102) 1,2,4-Trimethylbenzene	11.596	105	284882	9.013	ug/L	94
103) sec-Butylbenzene	11.711	105	362971	8.939	ug/L	98
104) p-Isopropyltoluene	11.869	119	325365	9.028	ug/L	97
105) 1,3-Dichlorobenzene	11.931	146	179311	9.608	ug/L	97
106) 1,4-Dichlorobenzene	12.028	146	174179	9.458	ug/L	99
107) p-Diethylbenzene	12.248	119	185984	8.616	ug/L	96
108) n-Butylbenzene	12.306	91	269004	9.040	ug/L	98
109) 1,2-Dichlorobenzene	12.455	146	170570	9.824	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.050	119	287489	8.549	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.244	155	11557	10.936	ug/L	99
113) Hexachlorobutadiene	13.852	225	40331	11.274	ug/L	98
114) 1,2,4-Trichlorobenzene	13.874	180	113770	10.022	ug/L	98
115) Naphthalene	14.165	128	242707	9.156	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	106973	10.512	ug/L	98

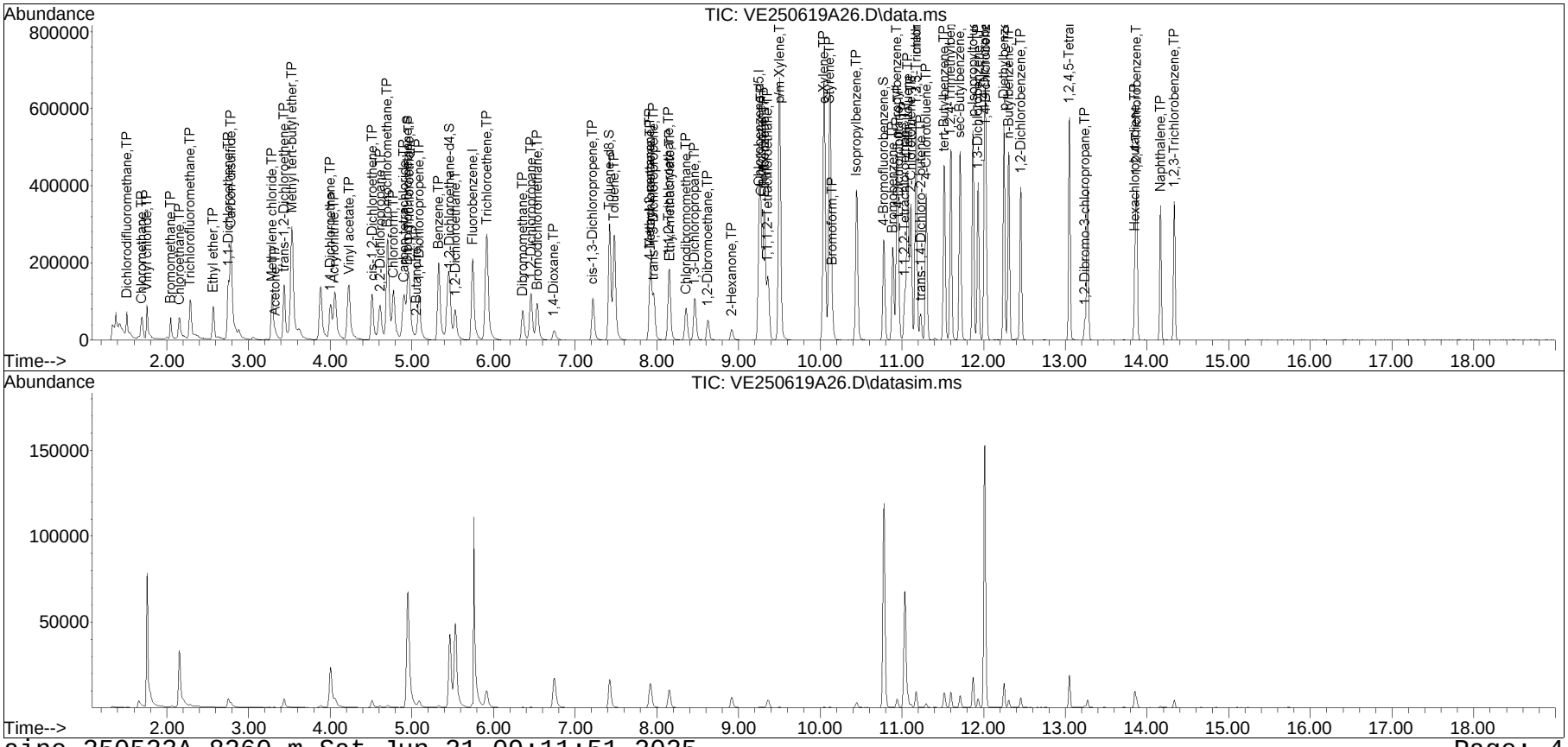
(#) = qualifier out of range (m) = manual integration (+) = signals summed

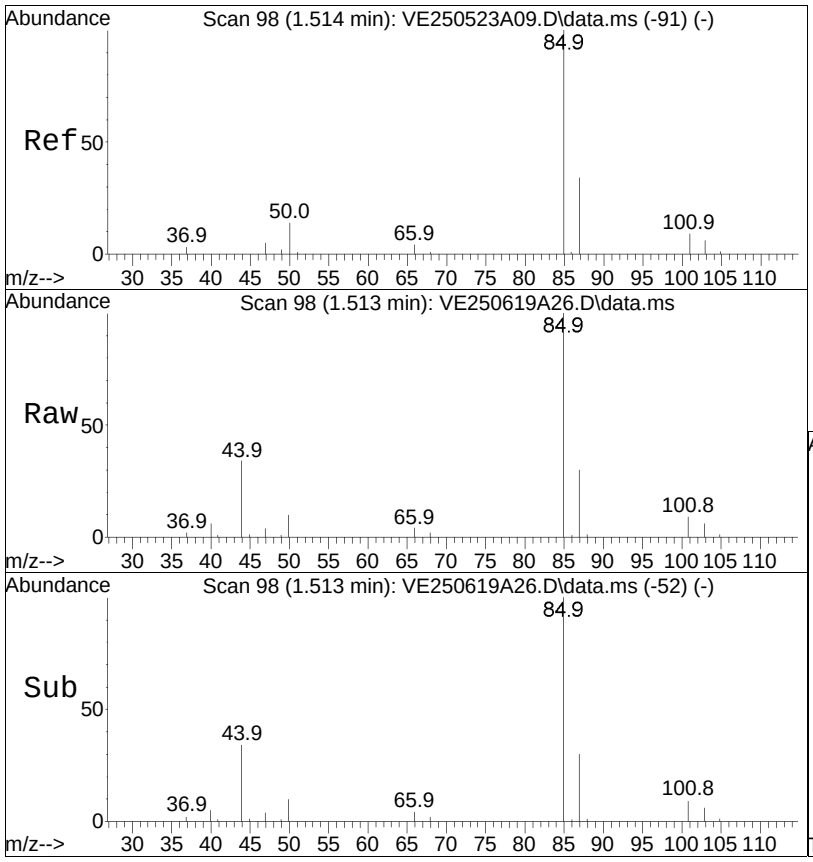
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A26.D
Acq On : 19 Jun 2025 8:12 pm
Operator : ELAINE:mjv
Sample : WG2081757-6,31,10,10,,A1 (Sig #1); L2535869-07MS,31,10,10,,A1 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 21 09:04:44 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

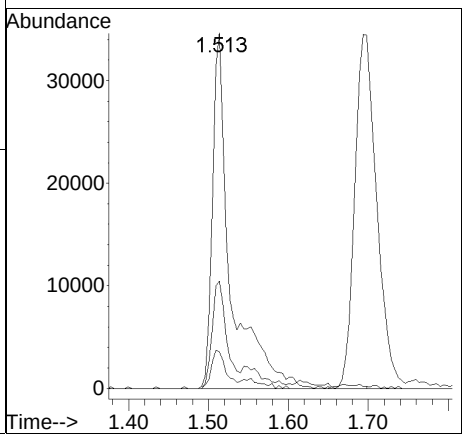


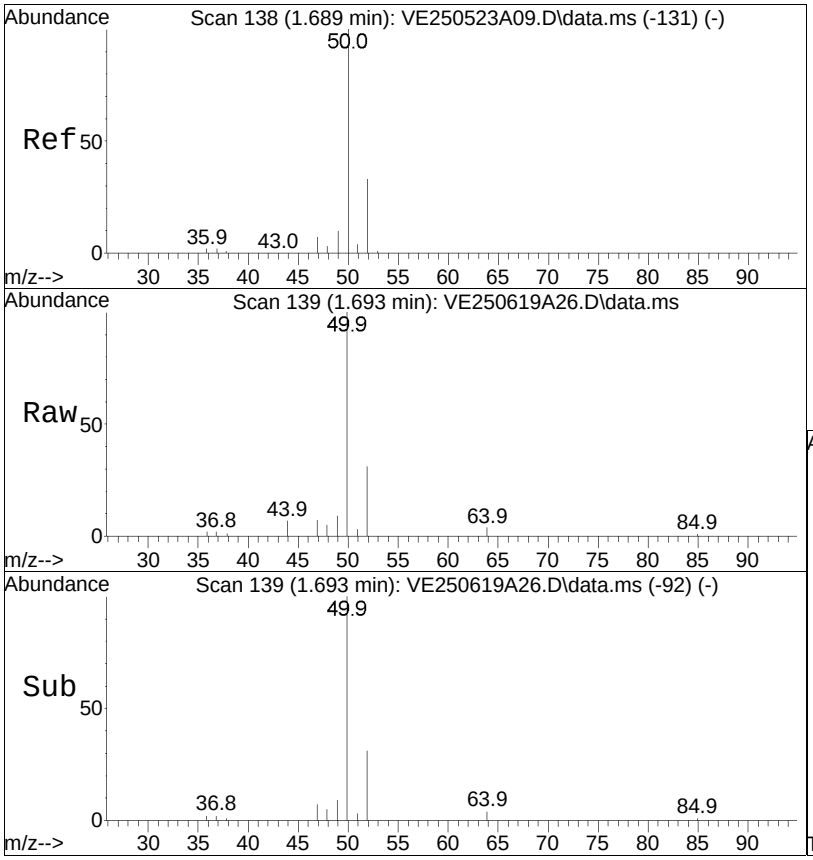


#2
Dichlorodifluoromethane
Concen: 6.85 ug/L
RT: 1.513 min Scan# 98
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 85 Resp: 56394

Ion	Ratio	Lower	Upper
85	100		
87	31.9	21.2	44.0
50	11.4	8.5	17.7

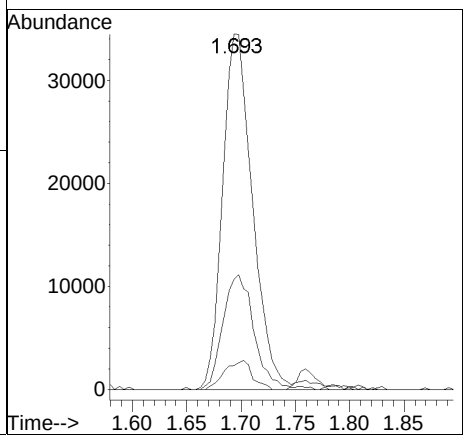


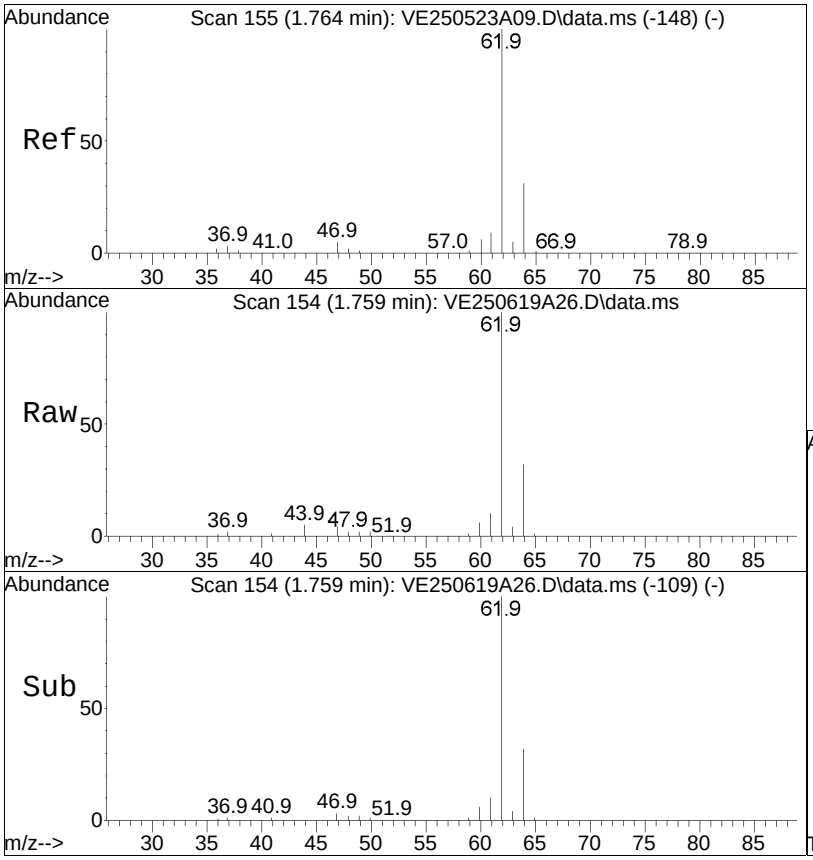


#3
Chloromethane
Concen: 7.76 ug/L
RT: 1.693 min Scan# 139
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 50 Resp: 67629

Ion	Ratio	Lower	Upper
50	100		
52	32.7	12.2	52.2
47	7.3	0.0	27.4

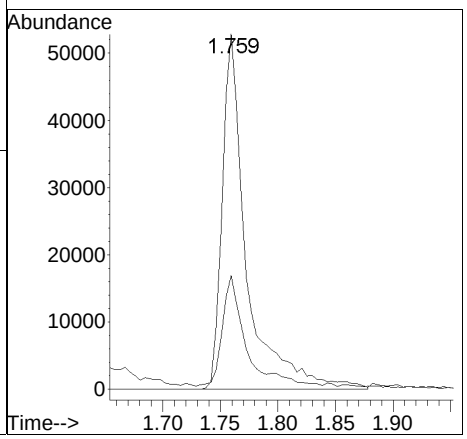


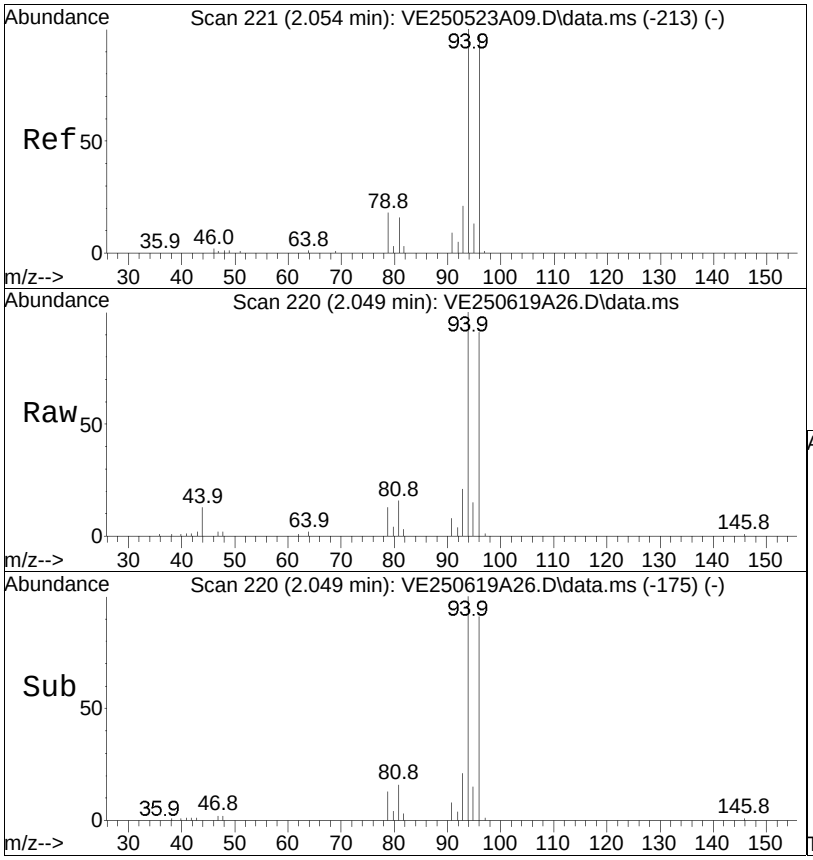


#4
Vinyl chloride
Concen: 10.42 ug/L
RT: 1.759 min Scan# 154
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 62 Resp: 78230

Ion	Ratio	Lower	Upper
62	100		
64	33.8	12.2	52.2

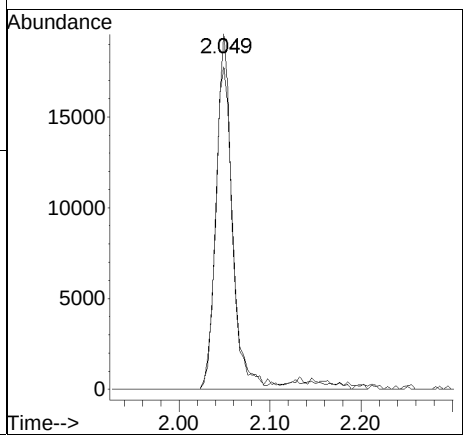


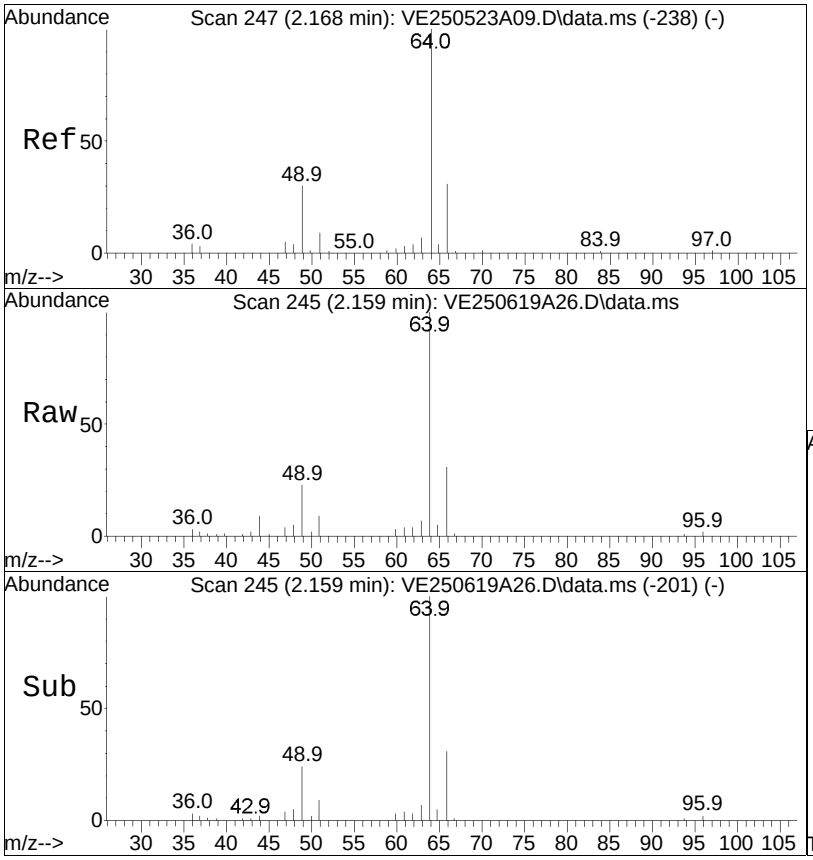


#5
Bromomethane
Concen: 6.22 ug/L
RT: 2.049 min Scan# 220
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 94 Resp: 25951

Ion	Ratio	Lower	Upper
94	100		
96	97.2	72.7	112.7

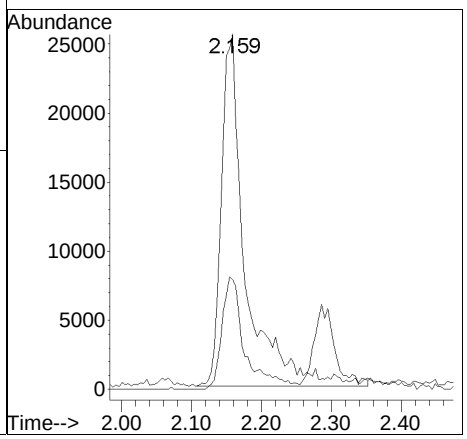


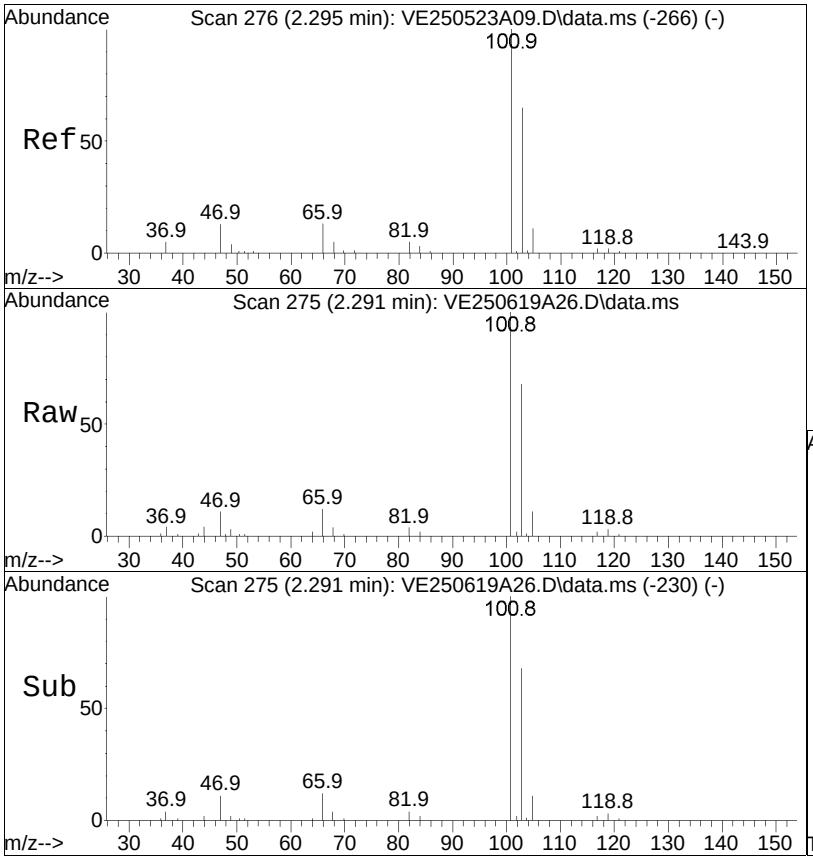


#6
Chloroethane
Concen: 12.69 ug/L
RT: 2.159 min Scan# 245
Delta R.T. -0.009 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 64 Resp: 61769

Ion	Ratio	Lower	Upper
64	100		
66	30.4	13.1	53.1

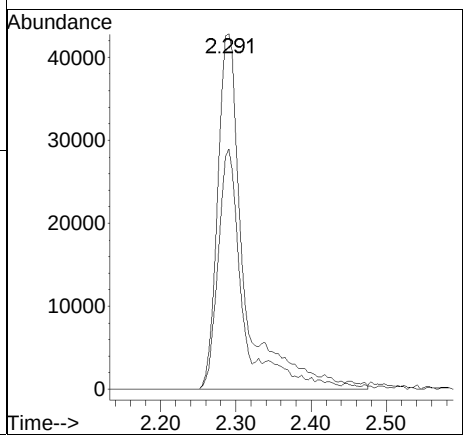


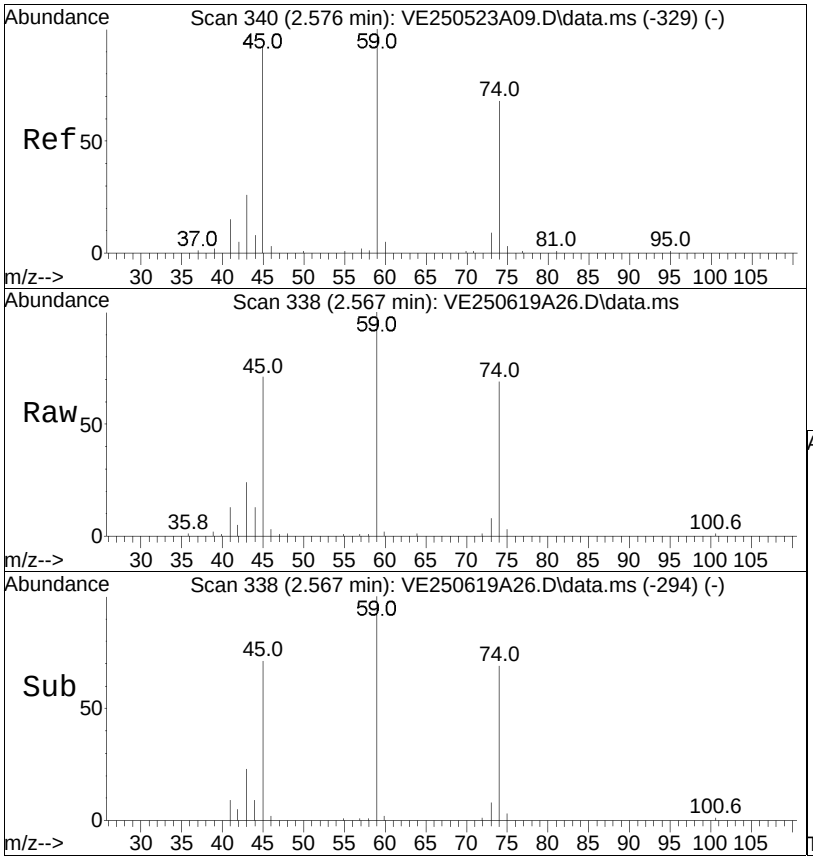


#7
Trichlorofluoromethane
Concen: 10.85 ug/L
RT: 2.291 min Scan# 275
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:101 Resp: 106016

Ion	Ratio	Lower	Upper
101	100		
103	65.3	52.0	78.0

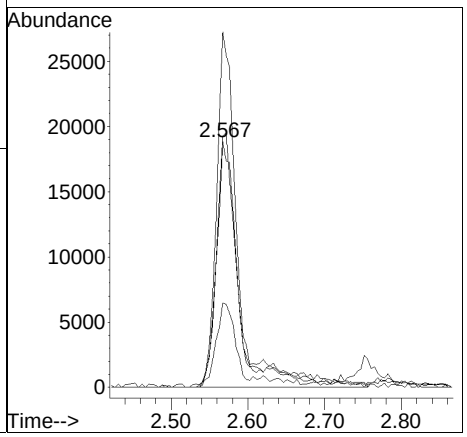


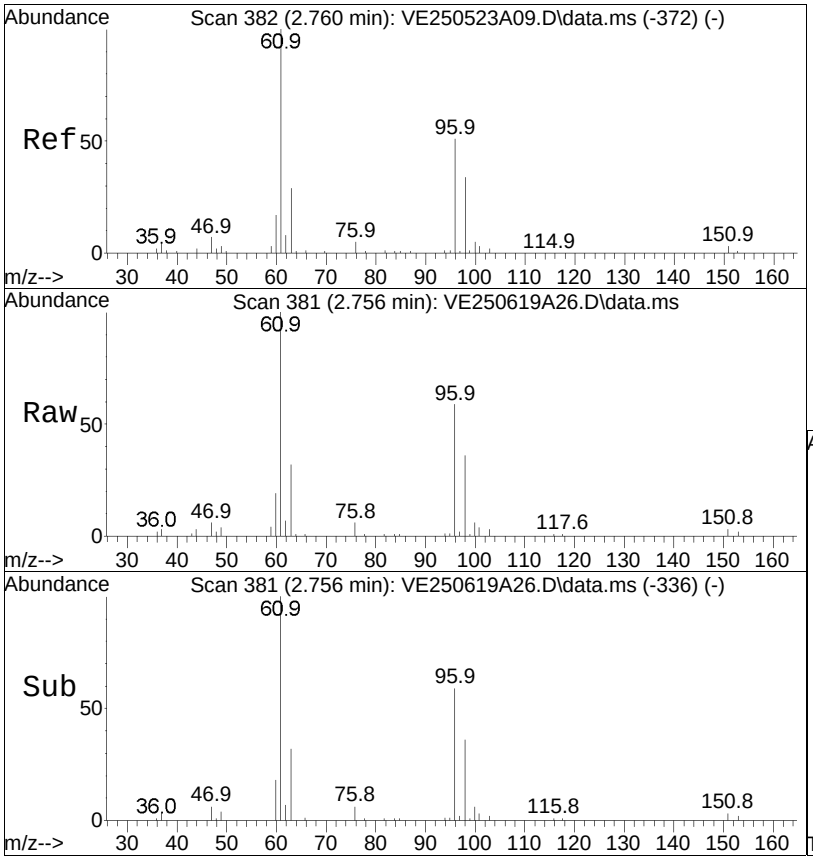


#8
Ethyl ether
Concen: 12.49 ug/L
RT: 2.567 min Scan# 338
Delta R.T. -0.009 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 74 Resp: 38384

Ion	Ratio	Lower	Upper
74	100		
59	145.2	105.2	218.4
45	104.8	84.1	174.7
43	37.6	32.2	67.0

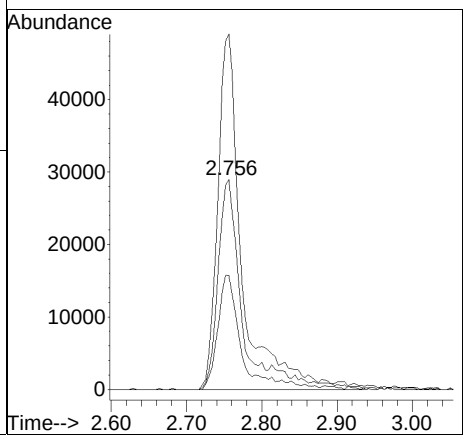


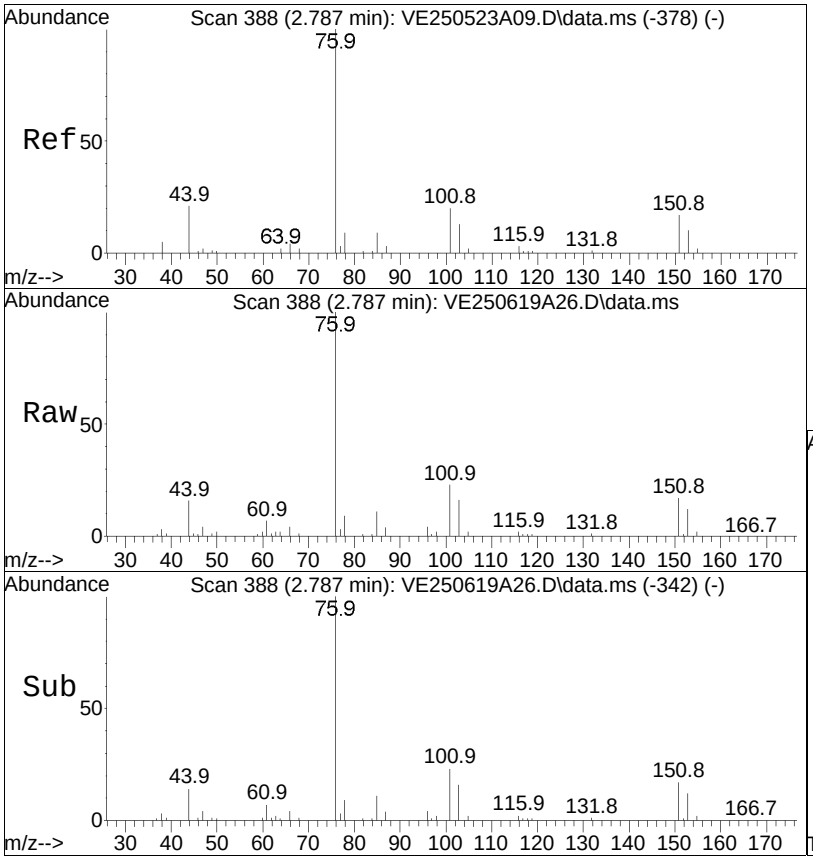


#10
1,1-Dichloroethene
Concen: 11.52 ug/L
RT: 2.756 min Scan# 381
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 96 Resp: 66431

Ion	Ratio	Lower	Upper
96	100		
61	167.9	158.3	237.5
63	52.8	50.2	75.2

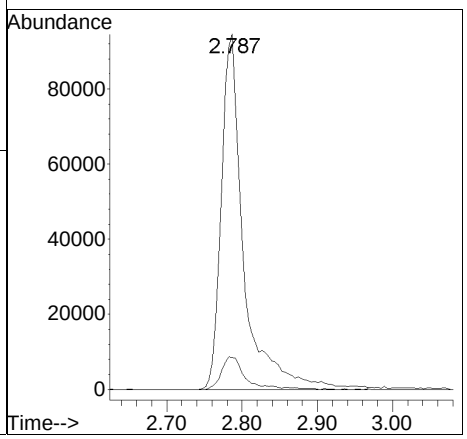


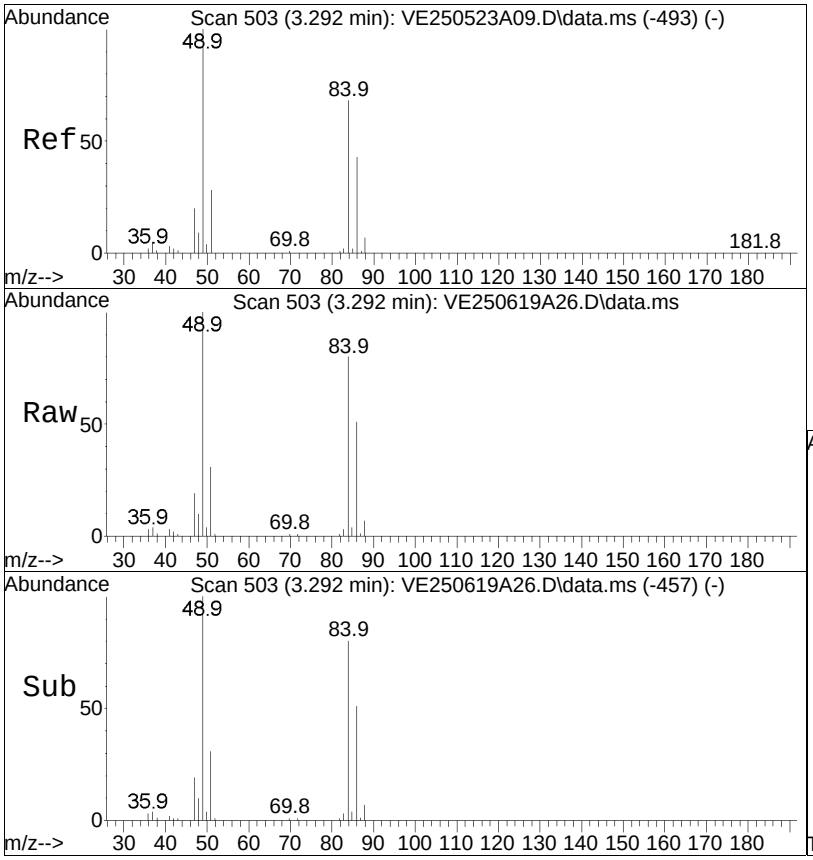


#11
Carbon disulfide
Concen: 10.82 ug/L
RT: 2.787 min Scan# 388
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 76 Resp: 196752

Ion	Ratio	Lower	Upper
76	100		
78	9.8	6.6	13.8

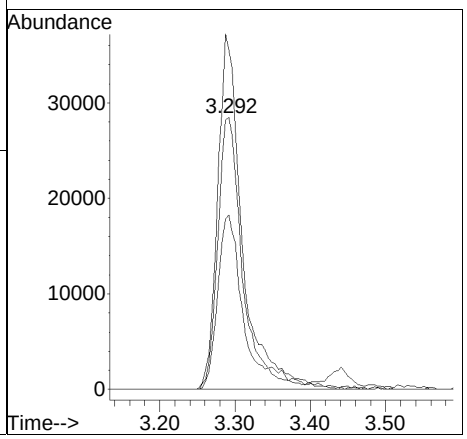


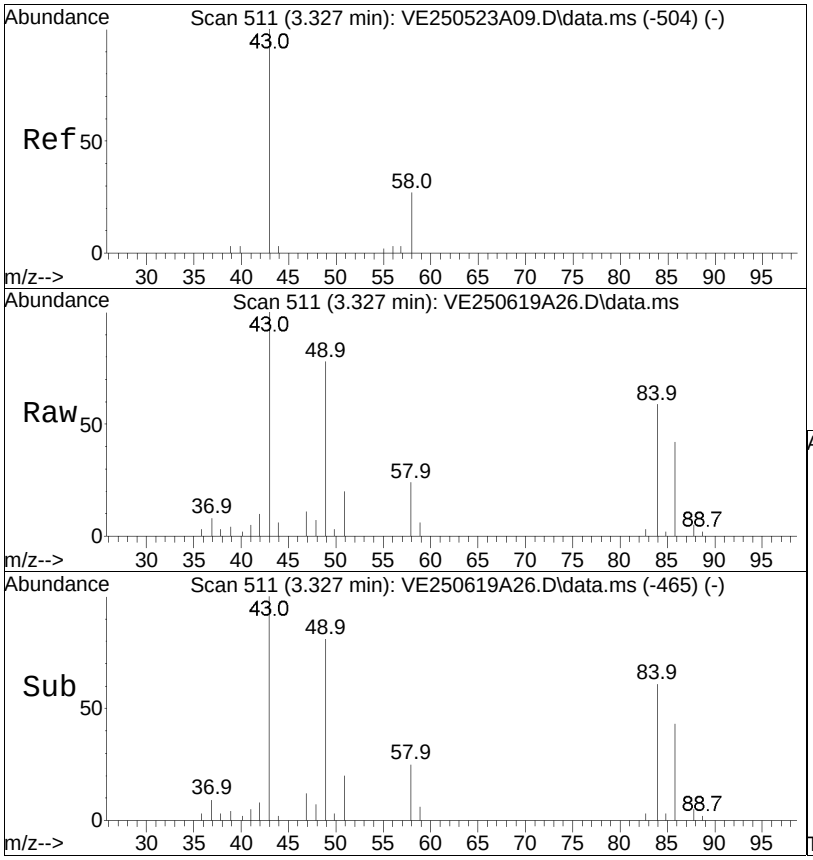


#15
Methylene chloride
Concen: 10.76 ug/L
RT: 3.292 min Scan# 503
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 84 Resp: 68021

Ion	Ratio	Lower	Upper
84	100		
86	65.4	40.6	84.4
49	131.7	100.0	207.6

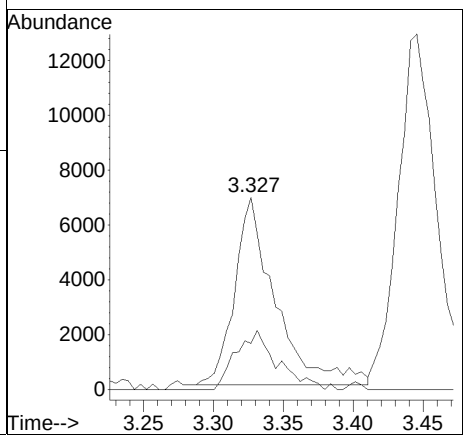


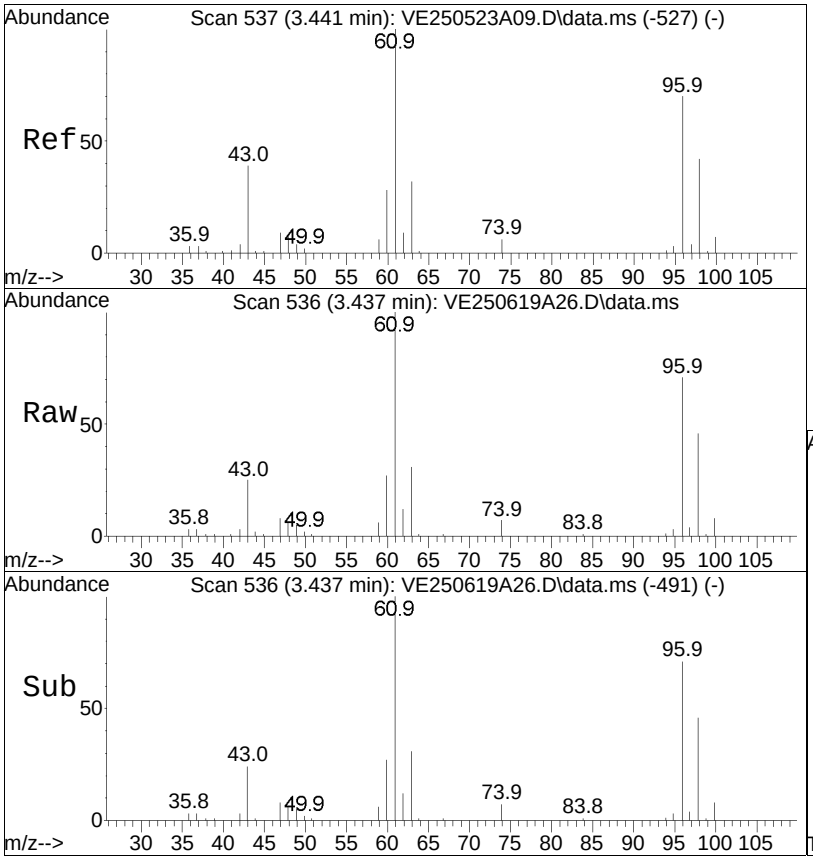


#17
Acetone
Concen: 9.86 ug/L
RT: 3.327 min Scan# 511
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 43 Resp: 13931

Ion	Ratio	Lower	Upper
43	100		
58	32.0	22.4	33.6

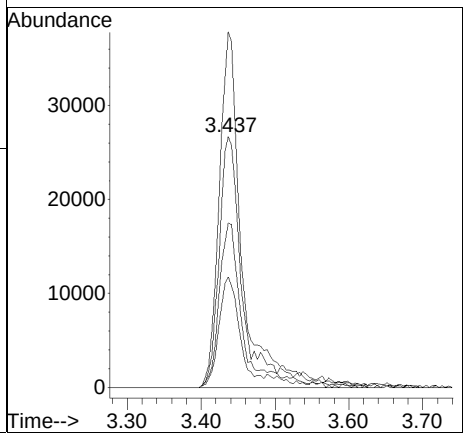


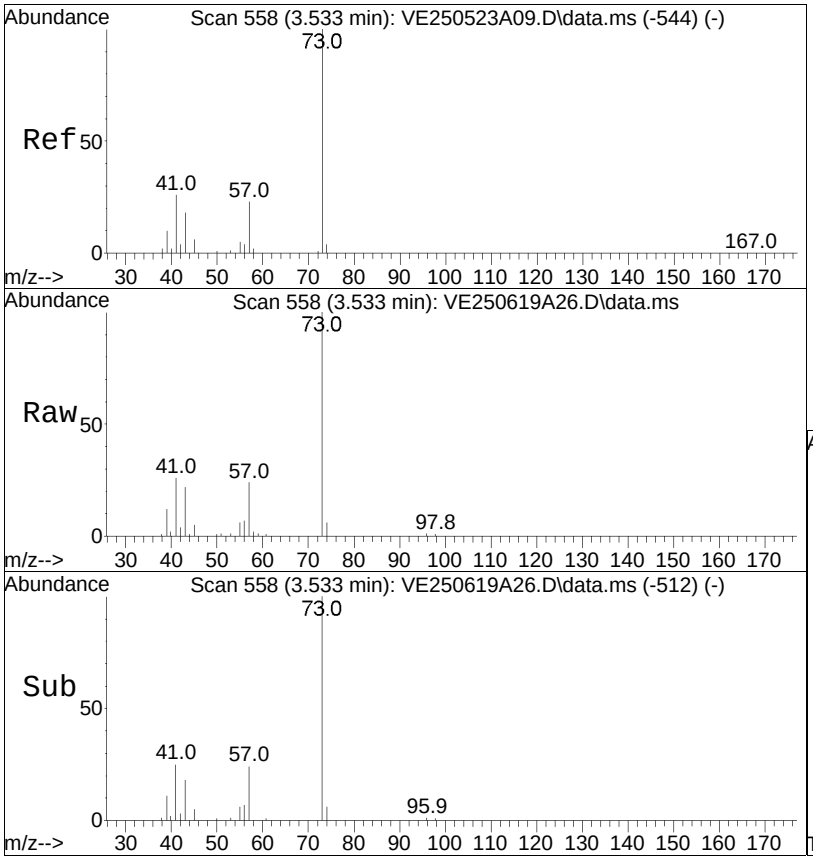


#18
trans-1,2-Dichloroethene
Concen: 10.49 ug/L
RT: 3.437 min Scan# 536
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 96 Resp: 61776

Ion	Ratio	Lower	Upper
96	100		
61	135.5	99.5	206.6
98	63.2	40.5	84.1
63	42.8	32.0	66.4

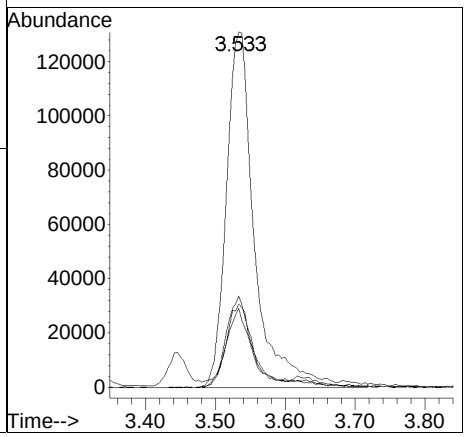


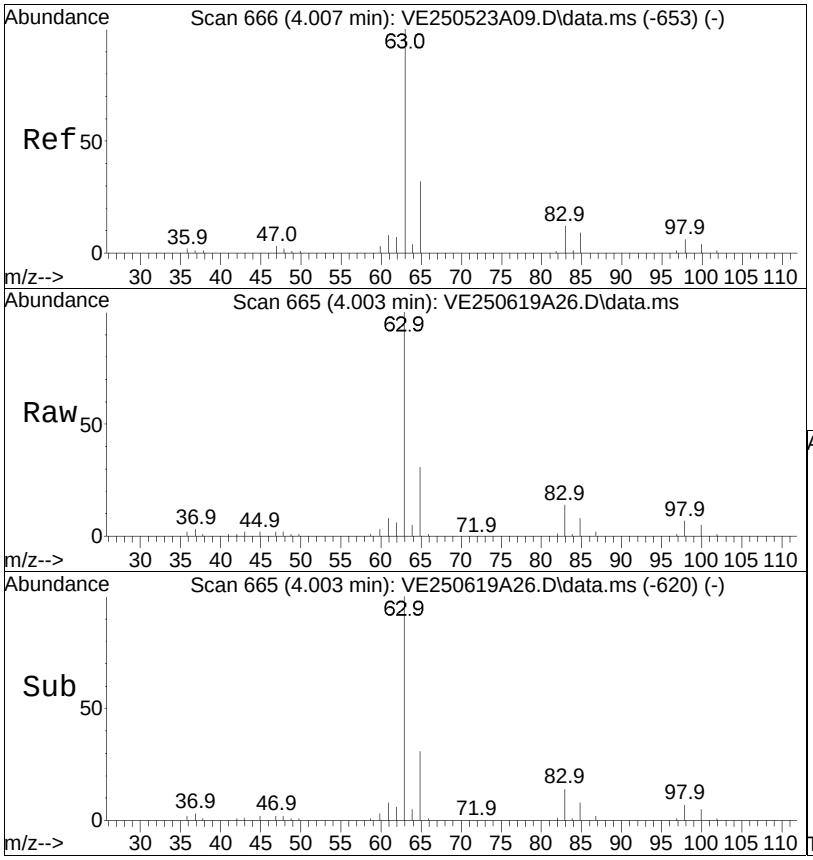


#21
Methyl tert-butyl ether
Concen: 27.64 ug/L
RT: 3.533 min Scan# 558
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 73 Resp: 371674

Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.6	36.5
43	20.7	0.0	0.0#
41	27.0	22.8	47.4

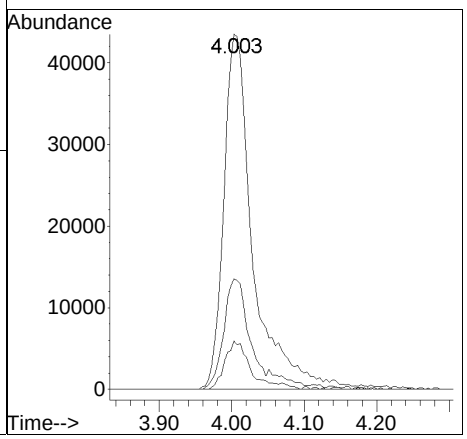


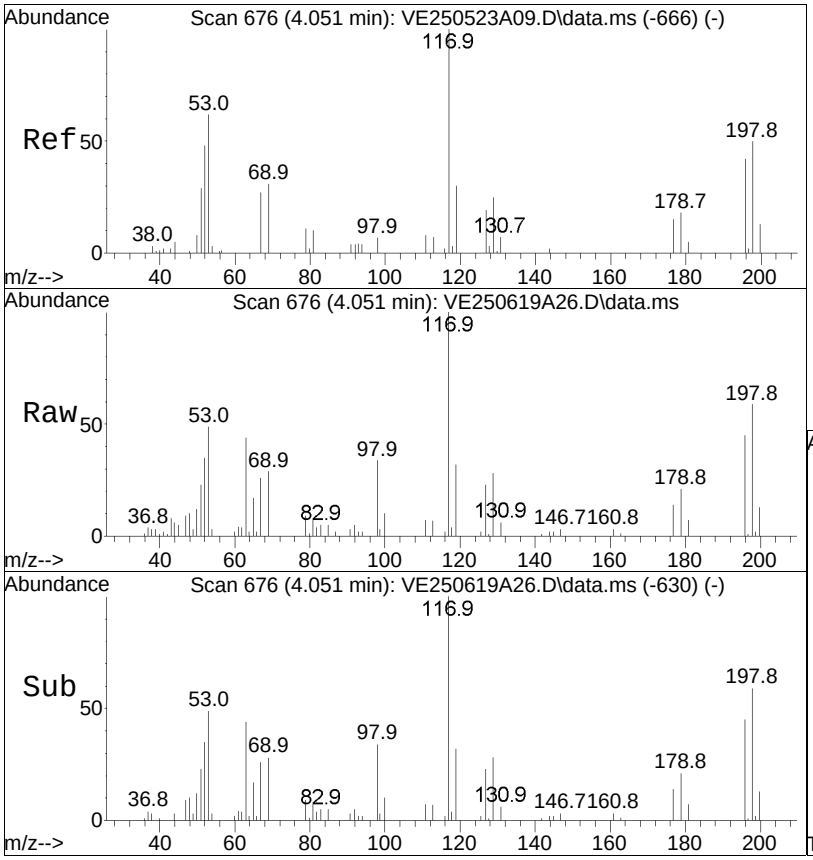


#25
1,1-Dichloroethane
Concen: 10.54 ug/L
RT: 4.003 min Scan# 665
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 63 Resp: 122584

Ion	Ratio	Lower	Upper
63	100		
65	31.1	10.0	50.0
83	12.2	0.0	32.2

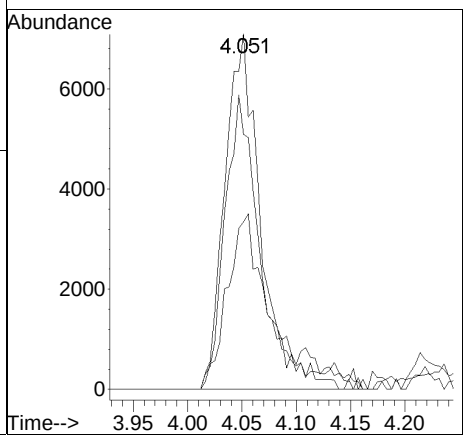


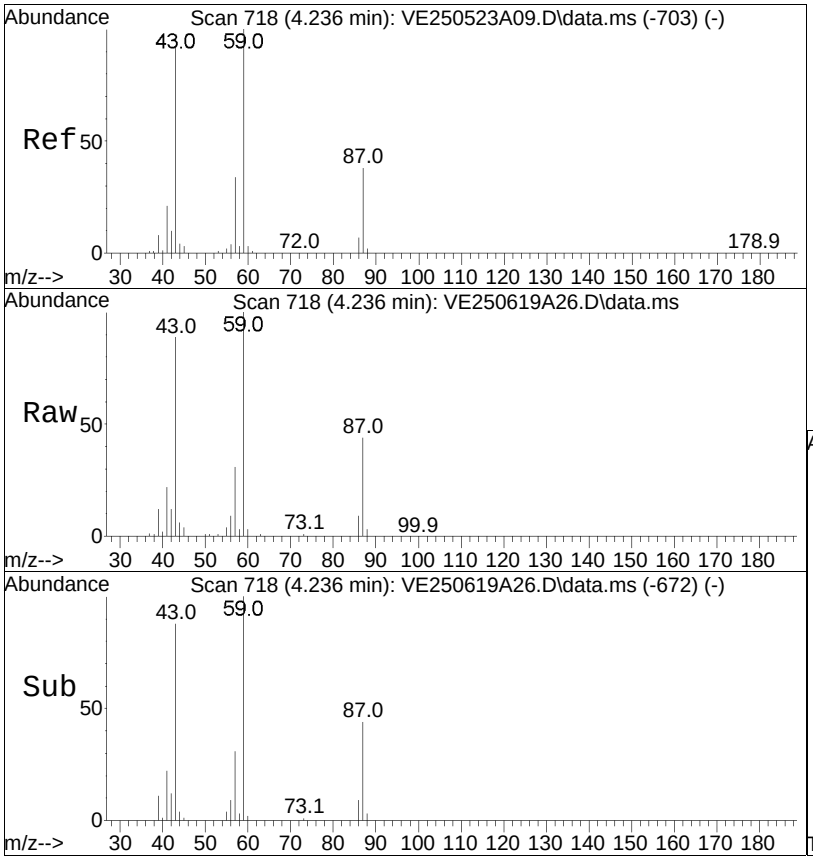


#27
Acrylonitrile
Concen: 10.11 ug/L
RT: 4.051 min Scan# 676
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 53 Resp: 17351

Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.8	98.8
51	52.2	47.6	71.4

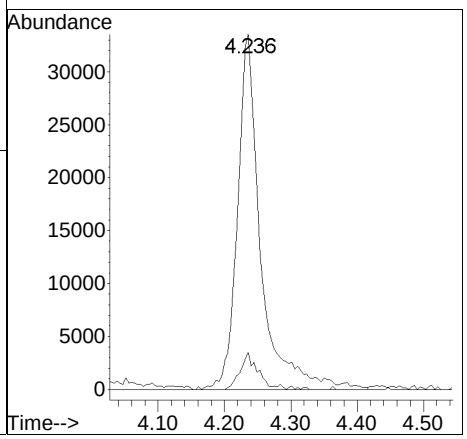


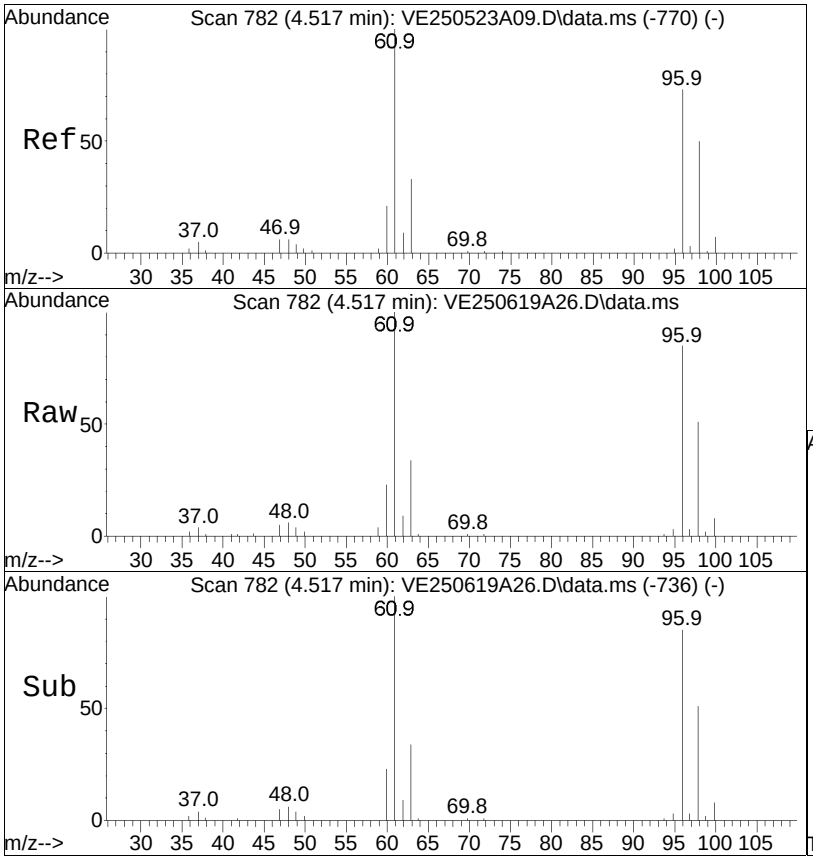


#29
Vinyl acetate
Concen: 7.39 ug/L
RT: 4.236 min Scan# 718
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 43 Resp: 81895

Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.8	8.8

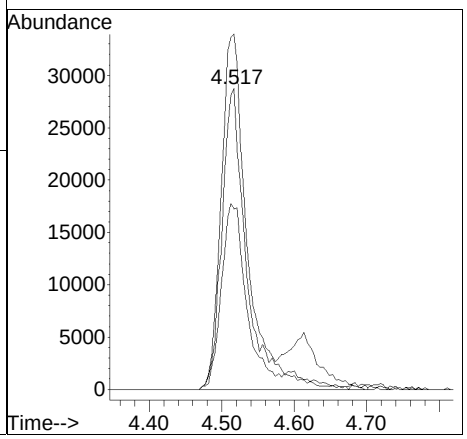


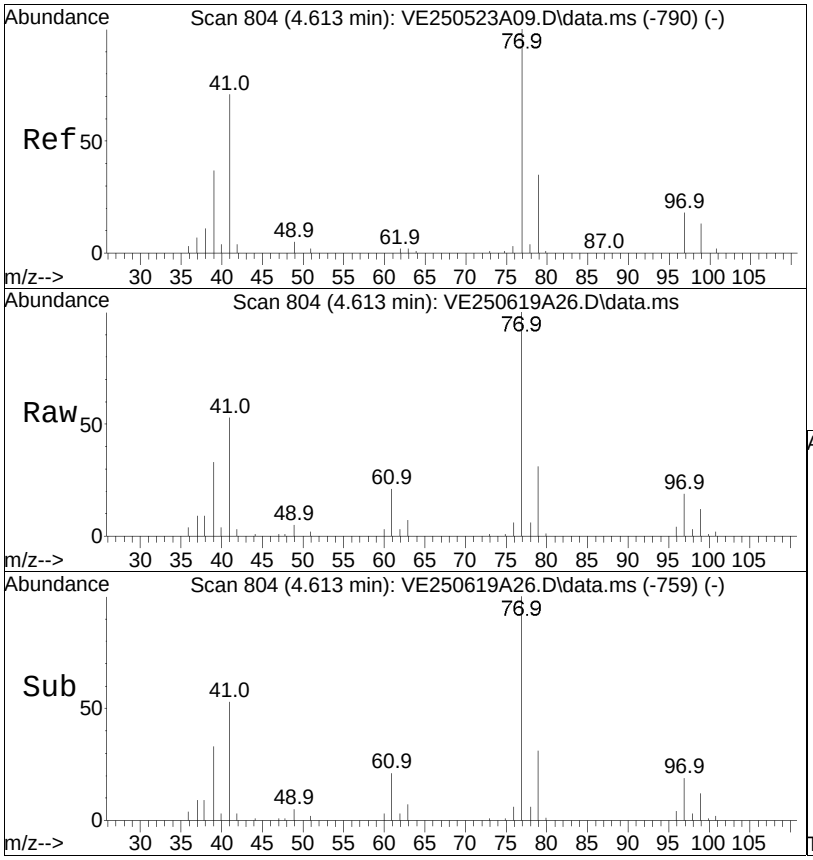


#30
cis-1,2-Dichloroethene
Concen: 10.30 ug/L
RT: 4.517 min Scan# 782
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 96 Resp: 70248

Ion	Ratio	Lower	Upper
96	100		
61	139.5	131.5	197.3
98	66.9	51.8	77.8

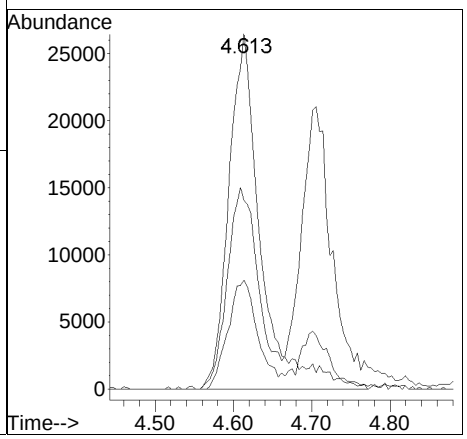


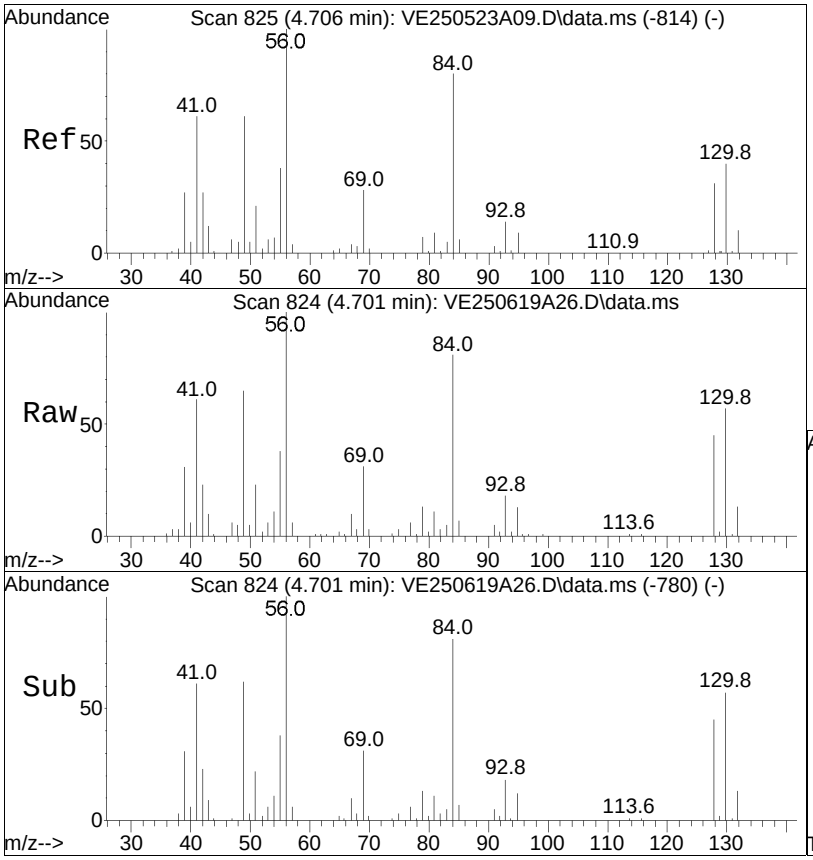


#31
2,2-Dichloropropane
Concen: 8.33 ug/L
RT: 4.613 min Scan# 804
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 77 Resp: 75177

Ion	Ratio	Lower	Upper
77	100		
41	56.6	47.5	98.7
79	30.9	20.7	43.1

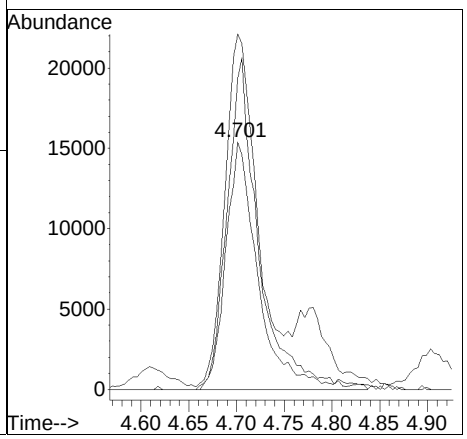


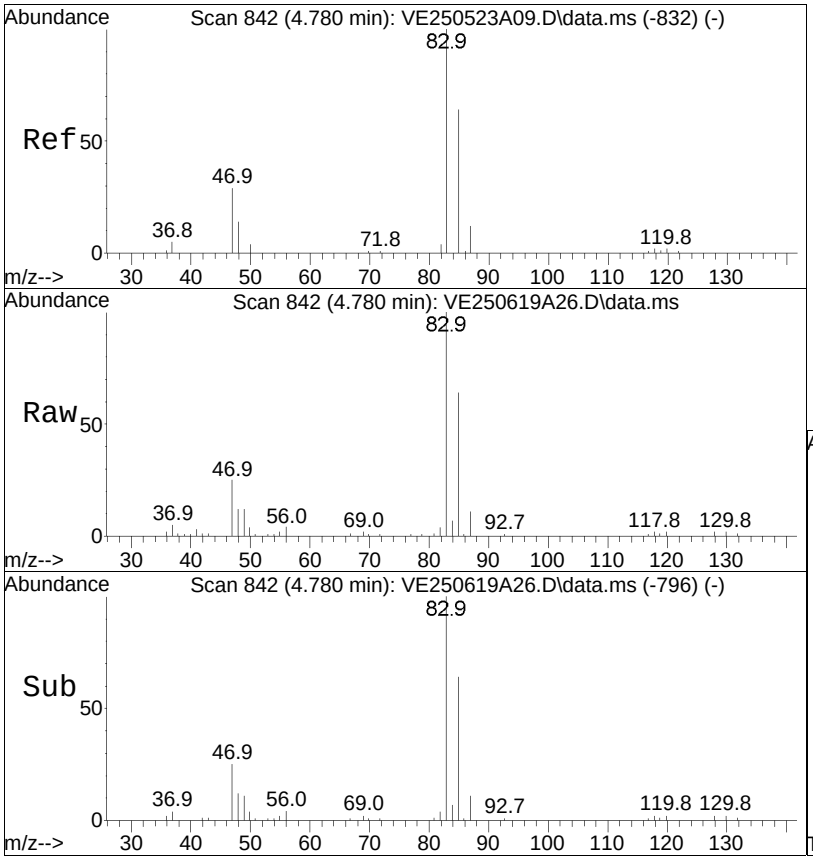


#33
Bromochloromethane
Concen: 11.25 ug/L
RT: 4.701 min Scan# 824
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:128 Resp: 36600

Ion	Ratio	Lower	Upper
128	100		
49	177.2	194.2	291.2#
130	131.0	99.7	149.5

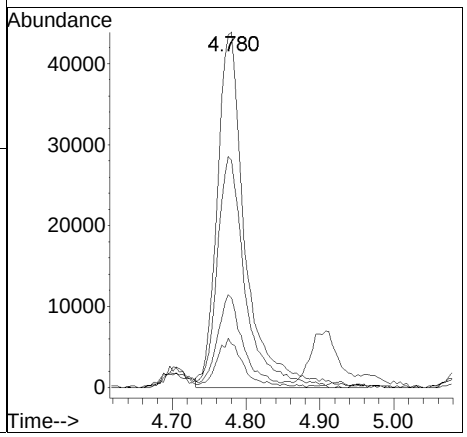


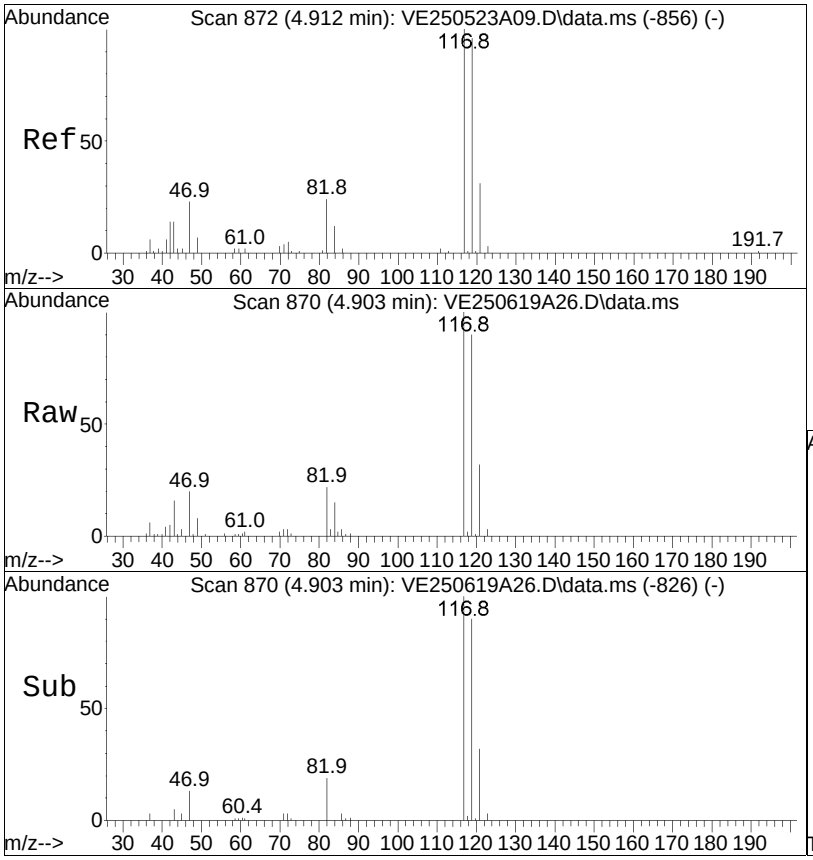


#35
Chloroform
Concen: 10.75 ug/L
RT: 4.780 min Scan# 842
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 83 Resp: 116693

Ion	Ratio	Lower	Upper
83	100		
85	65.0	41.7	86.5
47	21.7	17.4	36.2
48	13.1	9.2	19.0

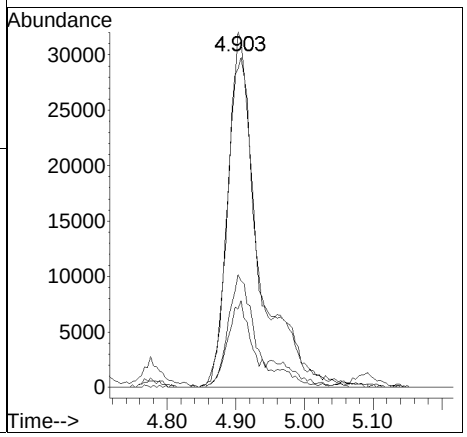


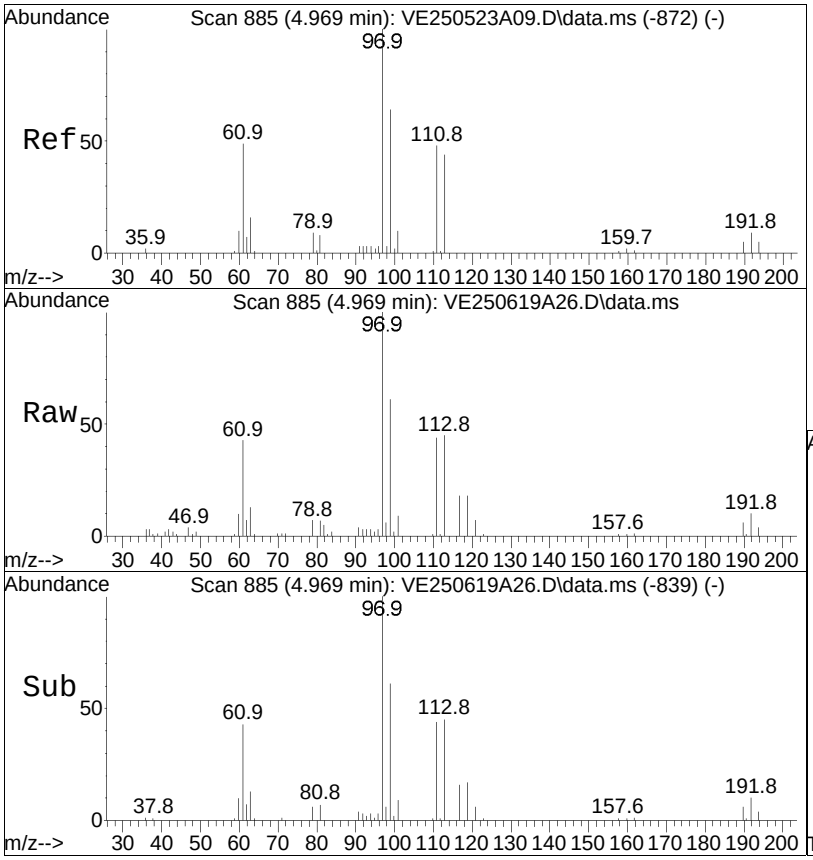


#37
Carbon tetrachloride
Concen: 13.16 ug/L
RT: 4.903 min Scan# 870
Delta R.T. -0.009 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:117 Resp: 100578

Ion	Ratio	Lower	Upper
117	100		
119	97.8	70.5	146.5
121	32.2	23.0	47.8
82	24.1	19.2	39.8

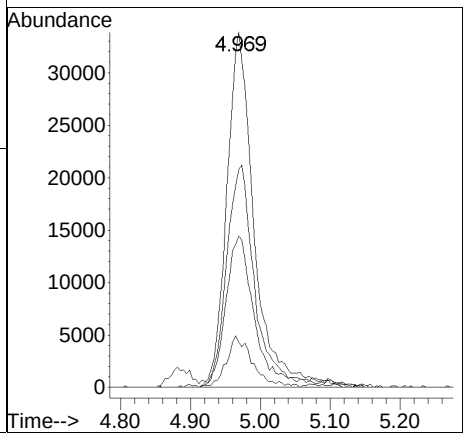


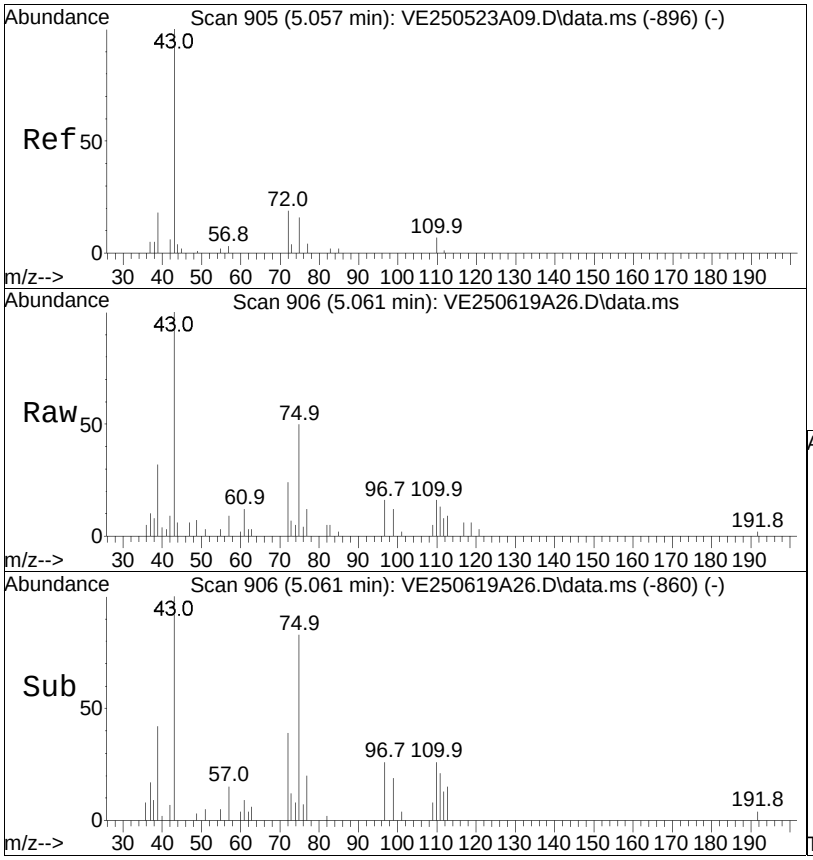


#40
1,1,1-Trichloroethane
Concen: 10.56 ug/L
RT: 4.969 min Scan# 885
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 97 Resp: 93293

Ion	Ratio	Lower	Upper
97	100		
99	65.3	41.2	85.6
61	46.2	32.8	68.2
63	13.9	10.1	20.9

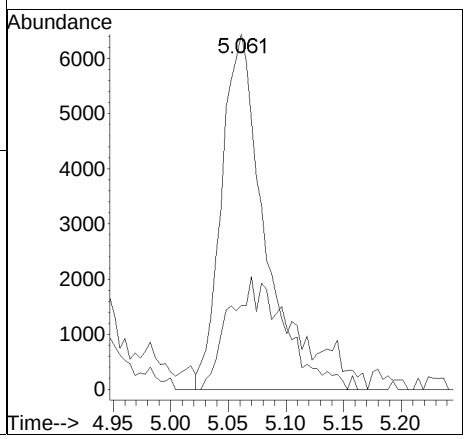


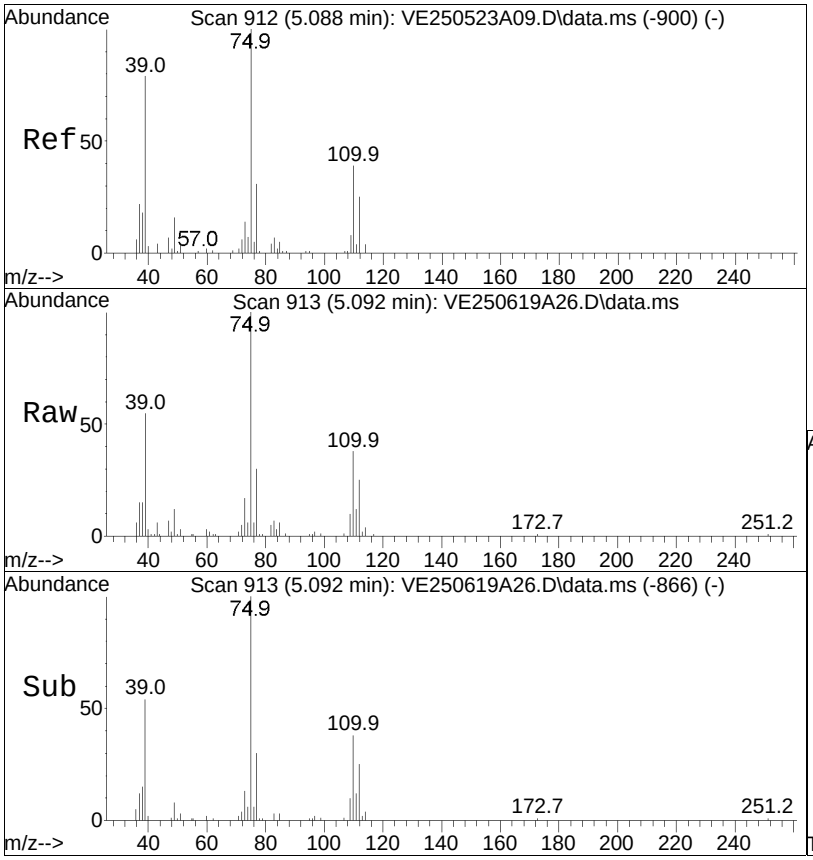


#42
2-Butanone
Concen: 8.74 ug/L
RT: 5.061 min Scan# 906
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 43 Resp: 17803

Ion	Ratio	Lower	Upper
43	100		
72	39.4	30.2	45.4

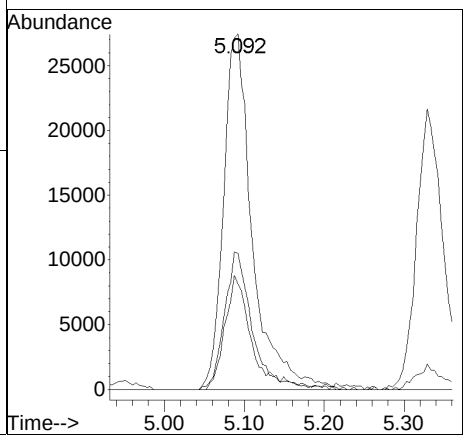


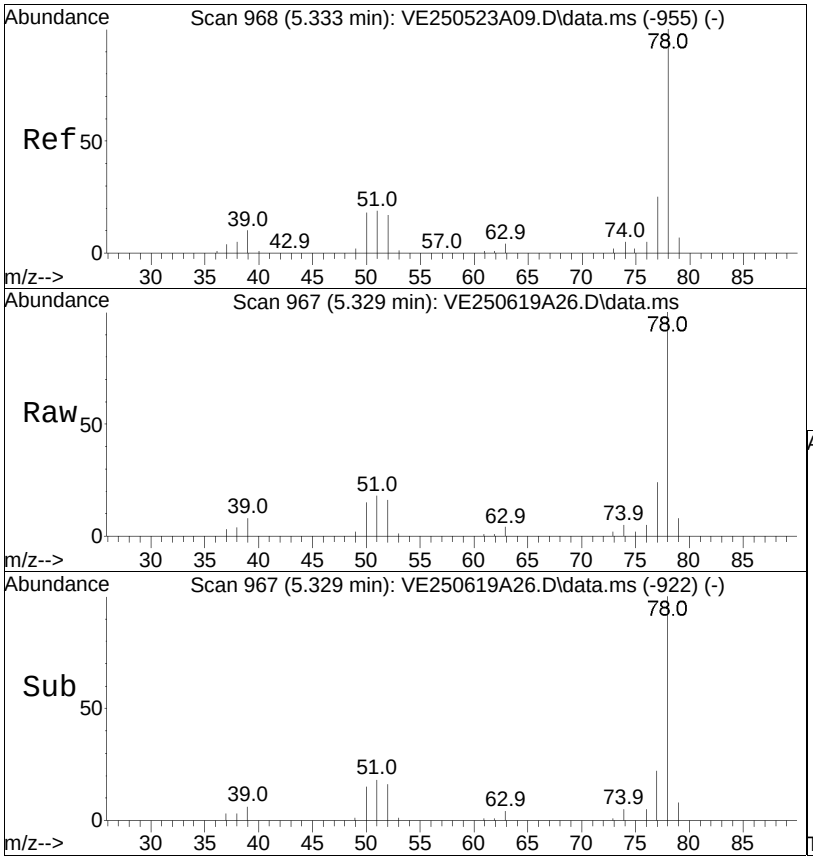


#43
1,1-Dichloropropene
Concen: 10.29 ug/L
RT: 5.092 min Scan# 913
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 75 Resp: 69528

Ion	Ratio	Lower	Upper
75	100		
110	37.1	22.7	47.3
77	29.7	20.1	41.7

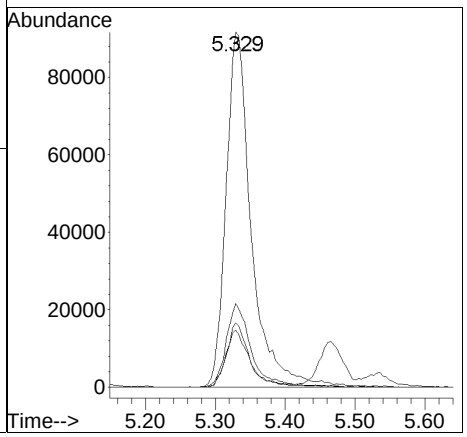


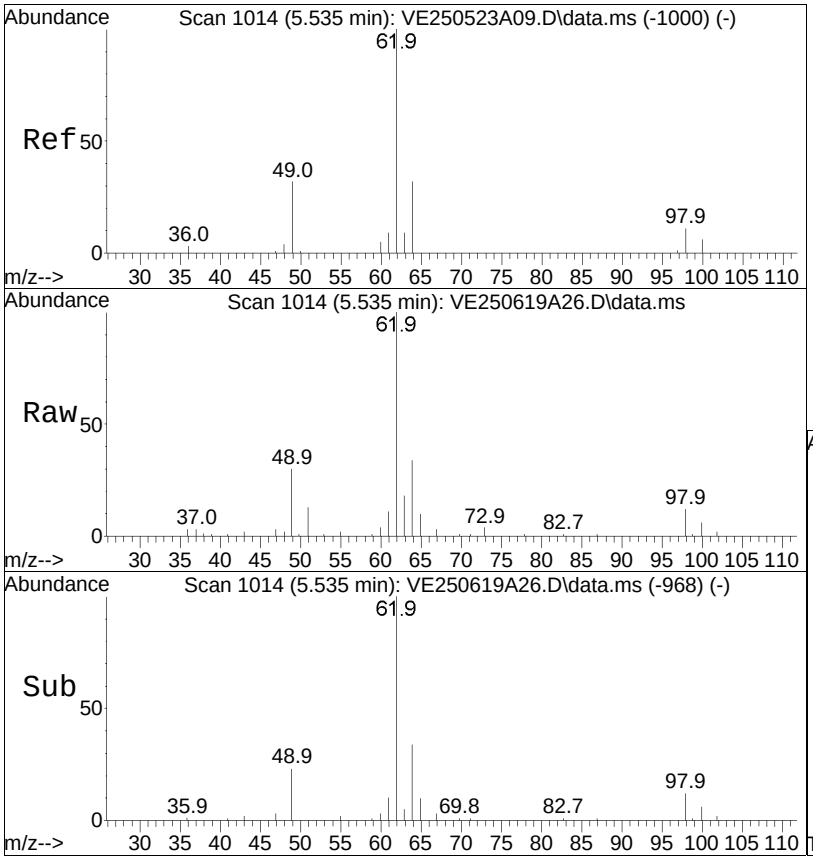


#45
Benzene
Concen: 10.06 ug/L
RT: 5.329 min Scan# 967
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 78 Resp: 233299

Ion	Ratio	Lower	Upper
78	100		
77	23.6	15.1	31.3
51	16.6	12.7	26.5
52	16.1	12.2	25.4

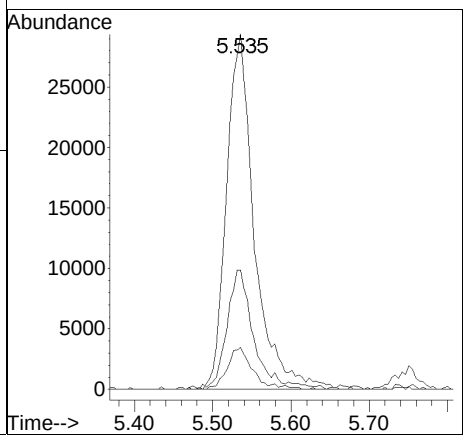


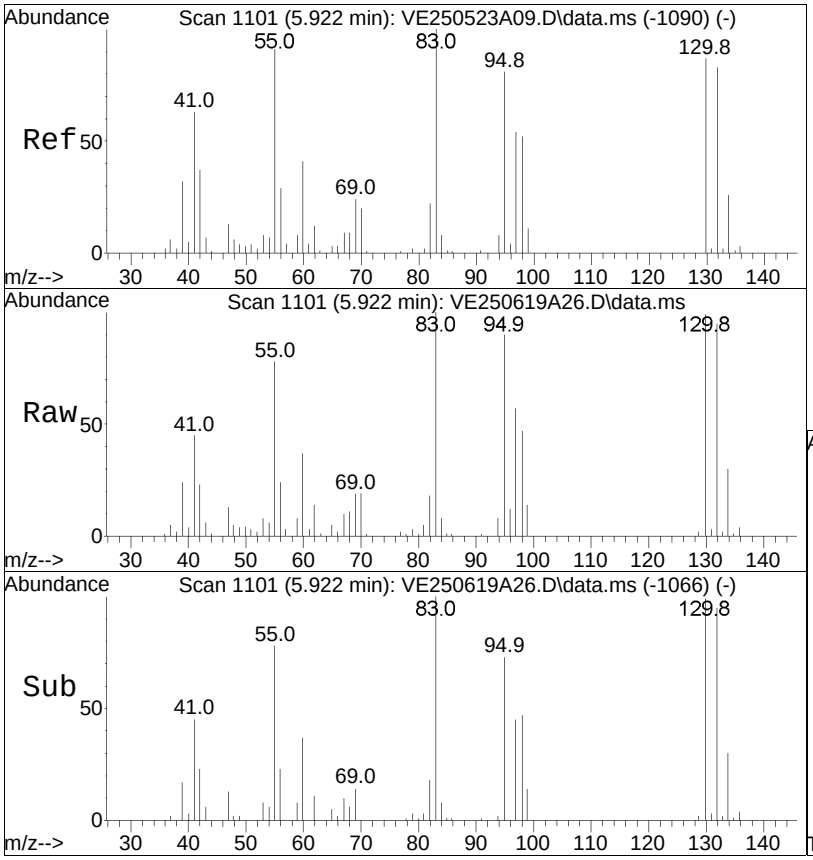


#48
1,2-Dichloroethane
Concen: 10.59 ug/L
RT: 5.535 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 62 Resp: 73364

Ion	Ratio	Lower	Upper
62	100		
64	32.5	12.6	52.6
98	10.9	0.0	28.3

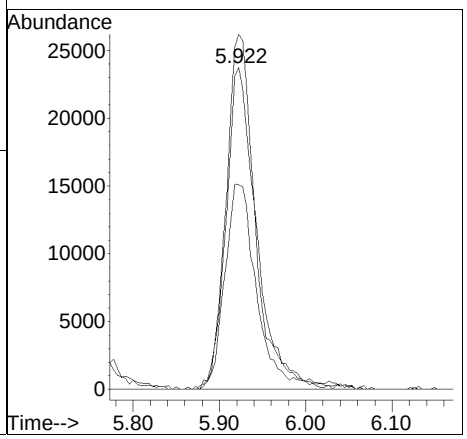


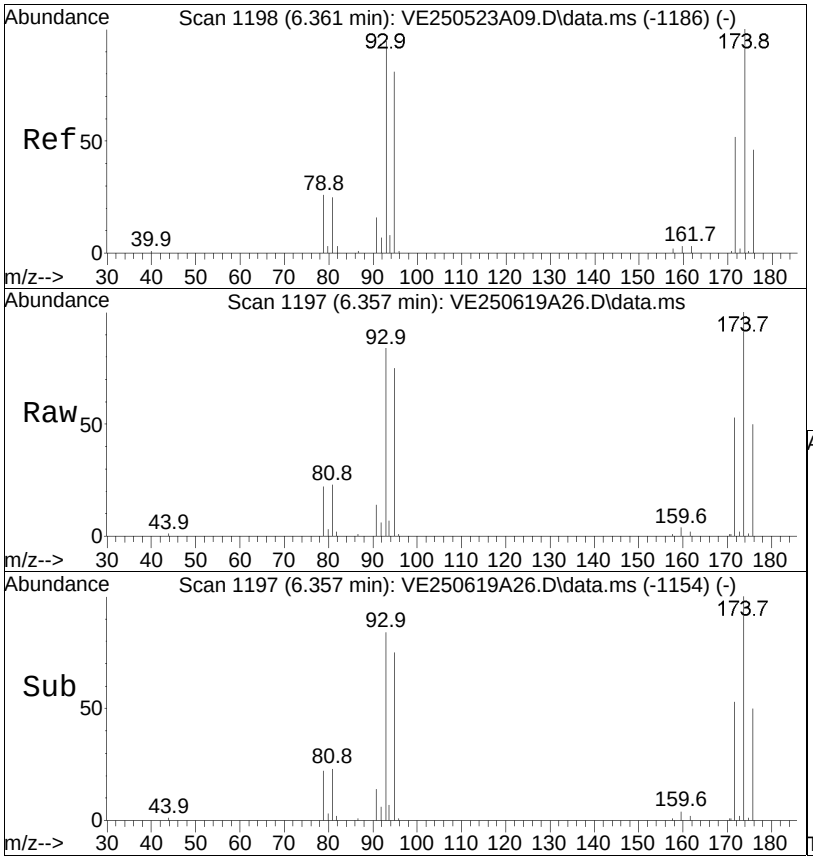


#52
Trichloroethene
Concen: 10.13 ug/L
RT: 5.922 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 95 Resp: 57455

Ion	Ratio	Lower	Upper
95	100		
97	68.2	54.6	81.8
130	112.3	79.5	119.3

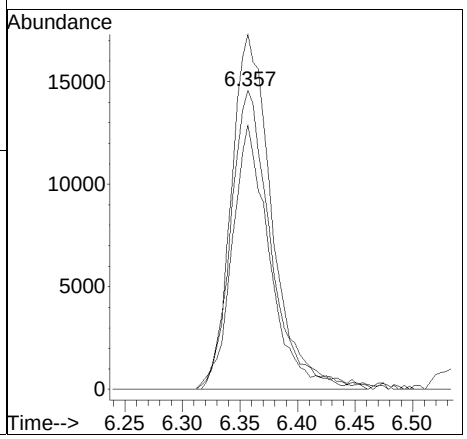


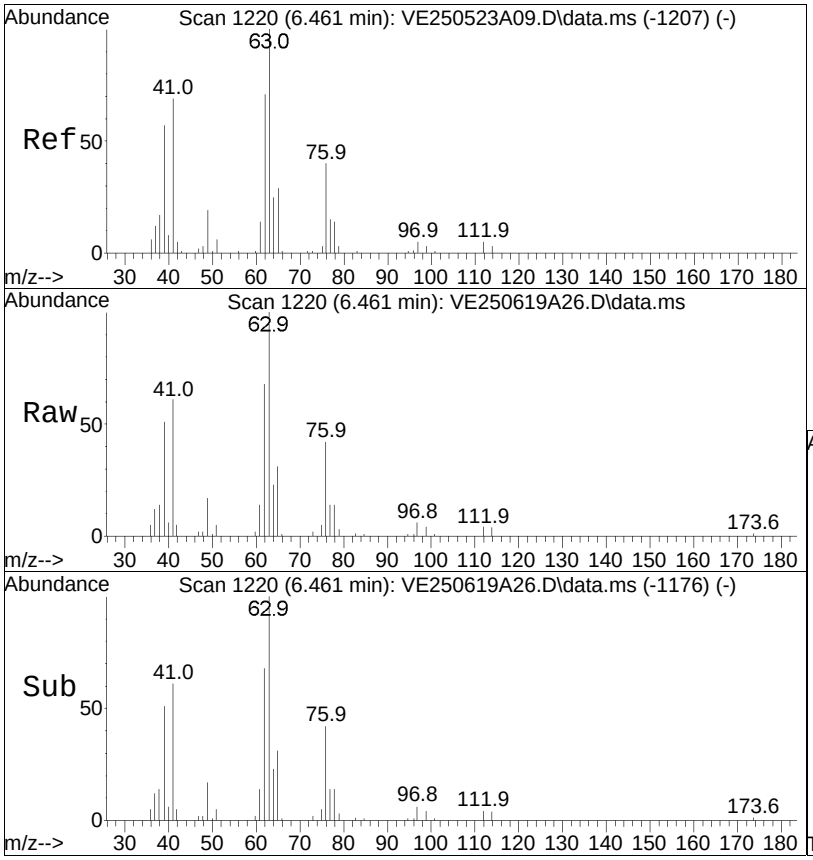


#54
Dibromomethane
Concen: 10.69 ug/L
RT: 6.357 min Scan# 1197
Delta R.T. -0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 93 Resp: 35320

Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.3	97.9
174	121.2	82.6	123.8

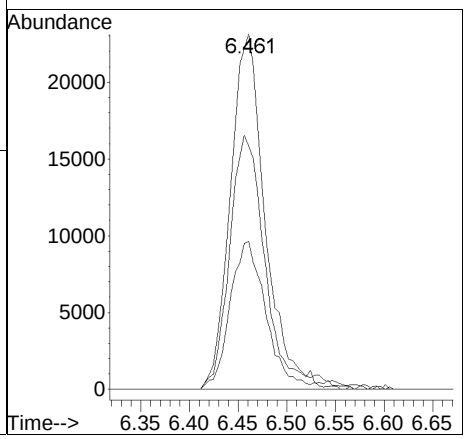


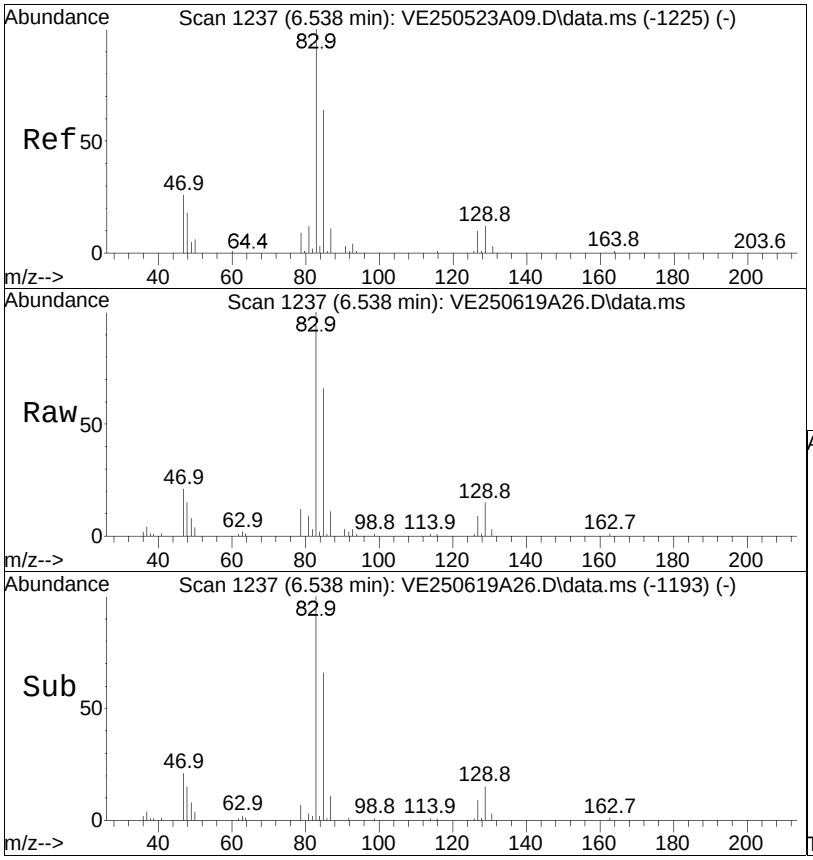


#55
1,2-Dichloropropane
Concen: 9.68 ug/L
RT: 6.461 min Scan# 1220
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 63 Resp: 58492

Ion	Ratio	Lower	Upper
63	100		
62	72.5	57.3	85.9
76	42.9	33.4	50.2

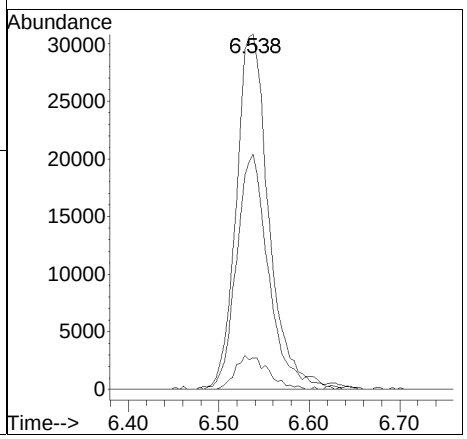


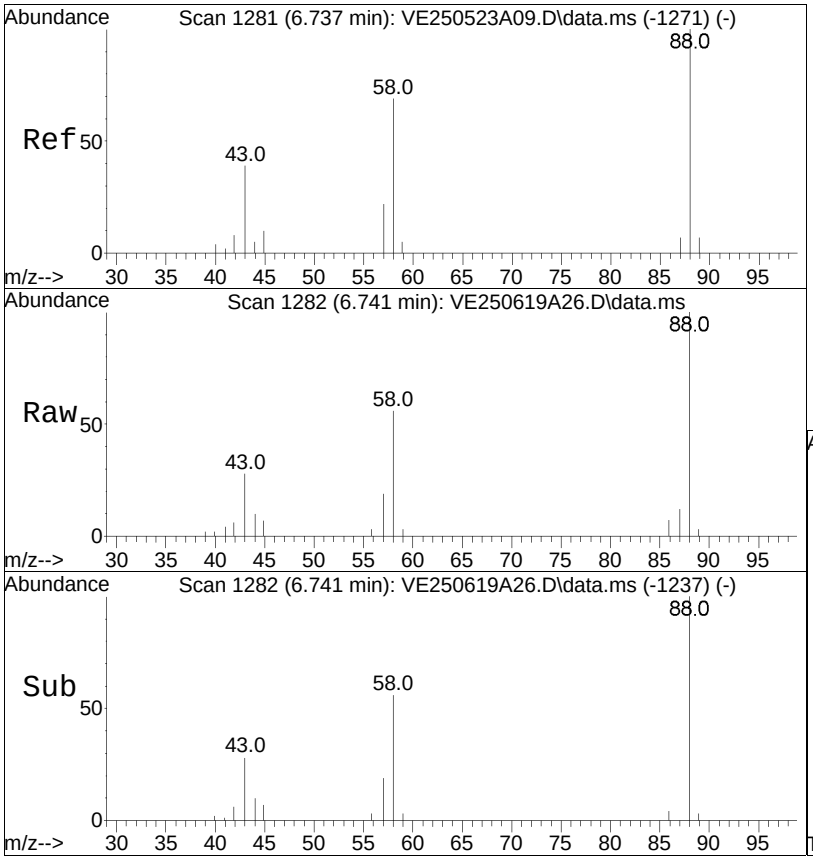


#58
Bromodichloromethane
Concen: 9.94 ug/L
RT: 6.538 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 83 Resp: 77801

Ion	Ratio	Lower	Upper
83	100		
85	65.6	51.9	77.9
127	9.5	7.3	10.9

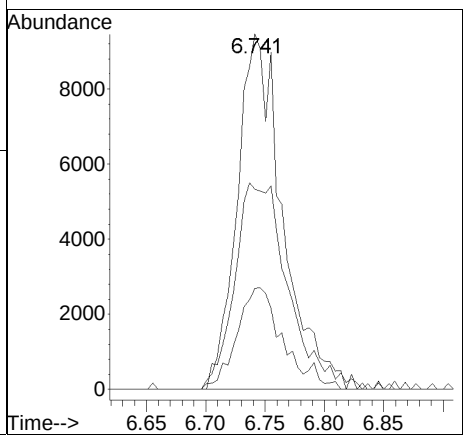


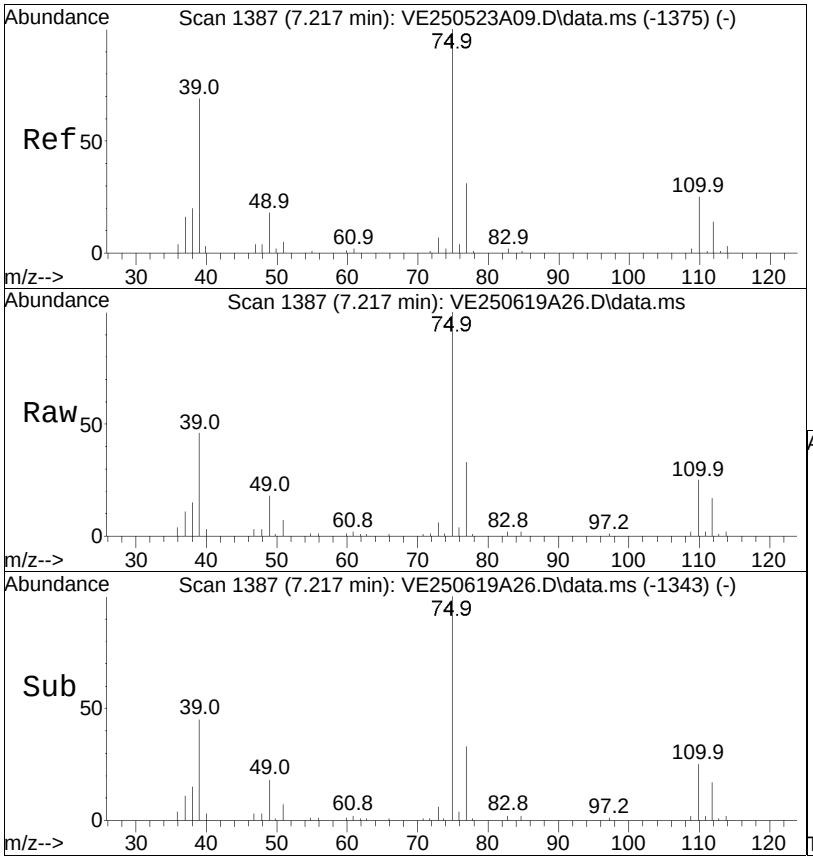


#61
1,4-Dioxane
Concen: 880.37 ug/L
RT: 6.741 min Scan# 1282
Delta R.T. 0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 88 Resp: 25363

Ion	Ratio	Lower	Upper
88	100		
58	67.6	63.4	95.0
43	29.1	29.4	44.2#

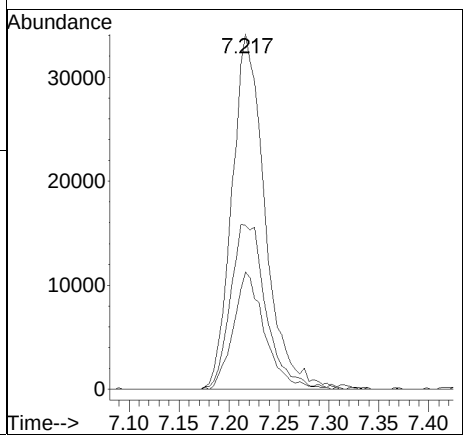


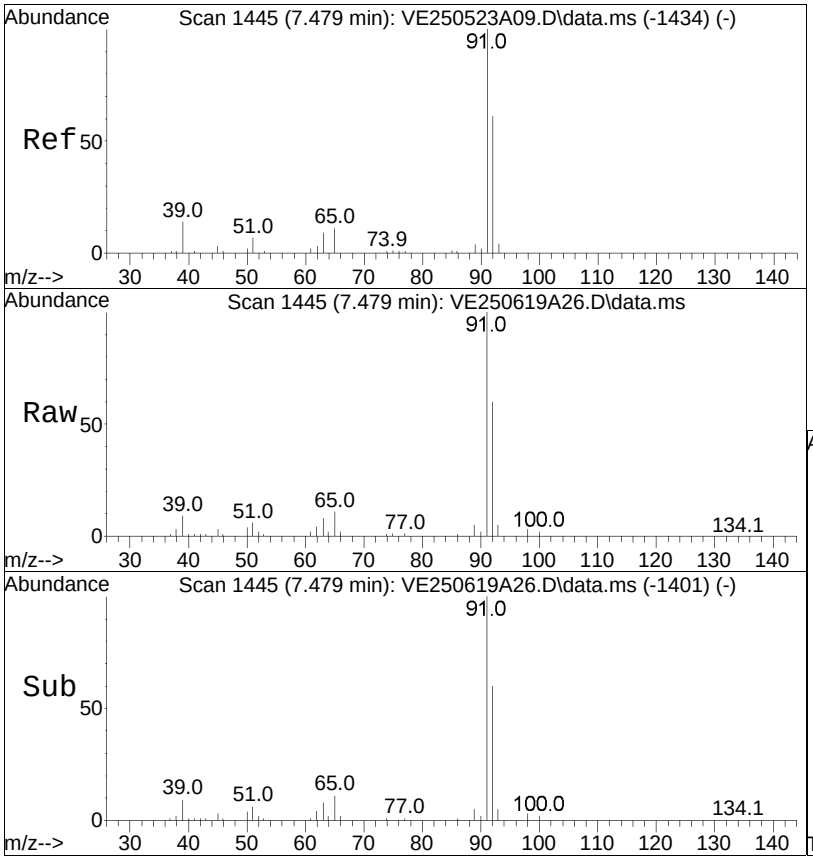


#62
cis-1,3-Dichloropropene
Concen: 9.07 ug/L
RT: 7.217 min Scan# 1387
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 75 Resp: 79066

Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.1	37.7
39	50.2	47.5	71.3

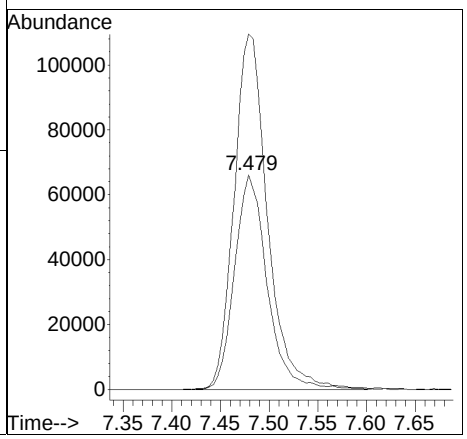


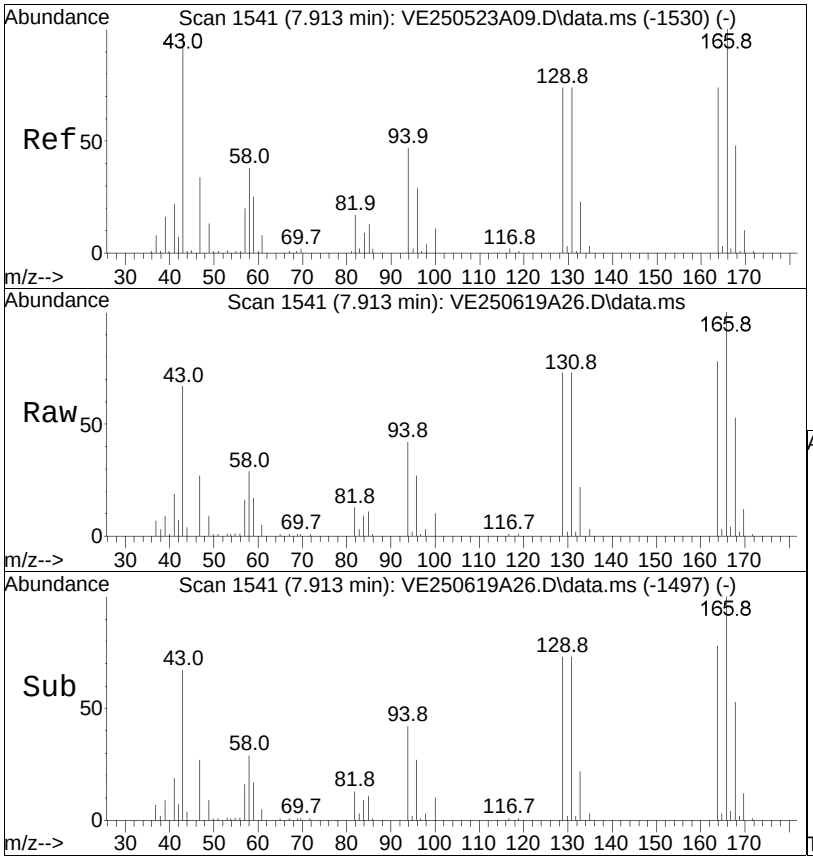


#65
Toluene
Concen: 9.83 ug/L
RT: 7.479 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 92 Resp: 153873

Ion	Ratio	Lower	Upper
92	100		
91	170.5	134.2	201.2

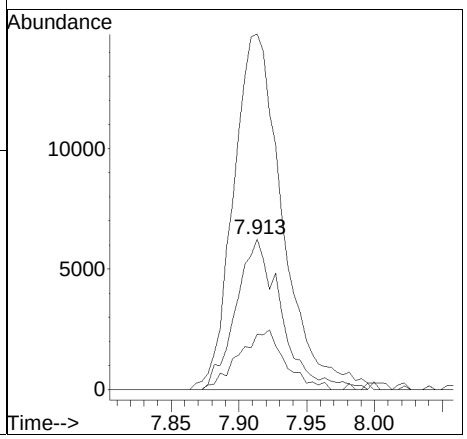


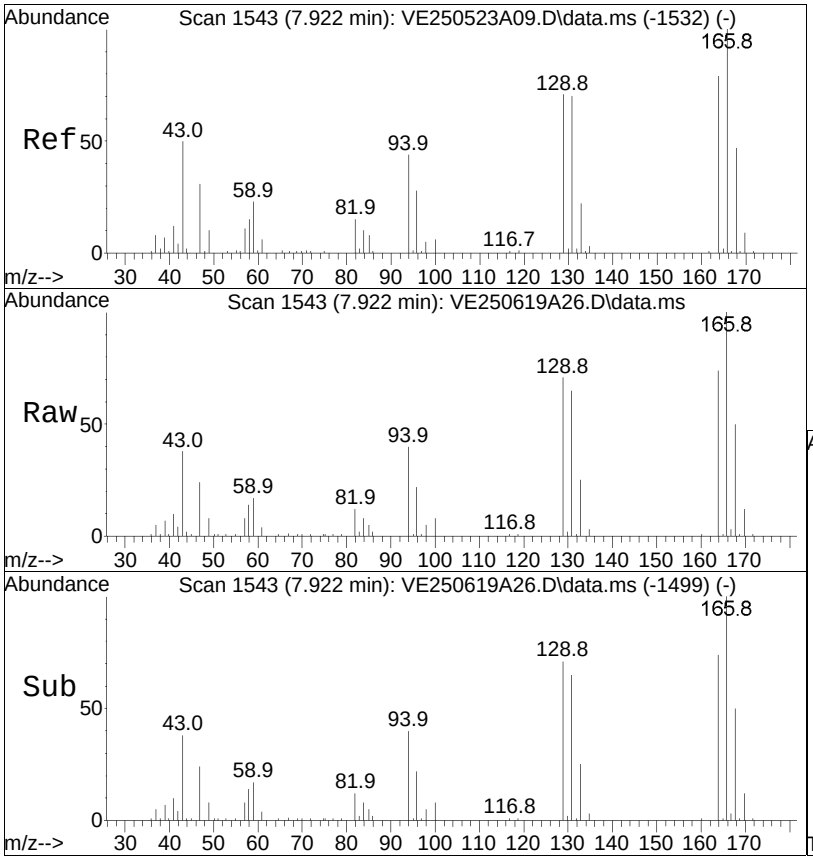


#66
4-Methyl-2-pentanone
Concen: 9.34 ug/L
RT: 7.913 min Scan# 1541
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 58 Resp: 14513

Ion	Ratio	Lower	Upper
58	100		
100	40.1	29.9	44.9
43	257.1	230.2	345.4

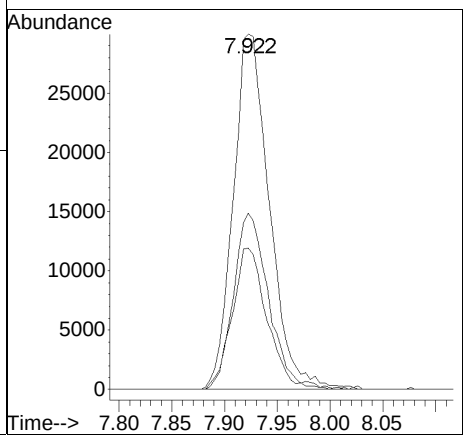


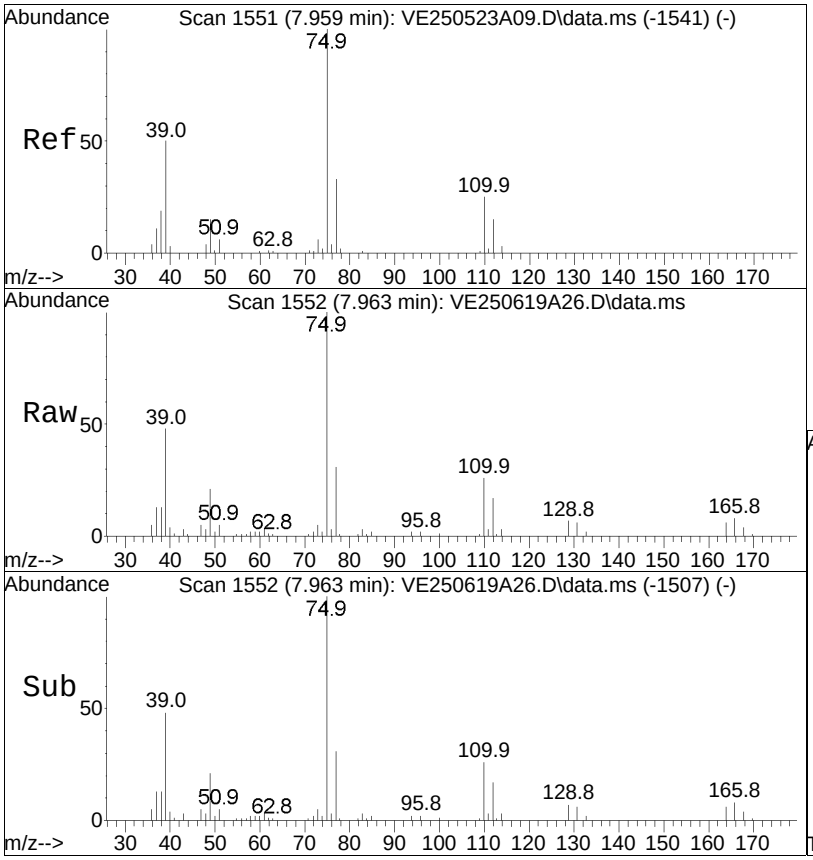


#67
Tetrachloroethene
Concen: 10.98 ug/L
RT: 7.922 min Scan# 1543
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:166 Resp: 71800

Ion	Ratio	Lower	Upper
166	100		
168	48.1	28.0	68.0
94	38.1	22.9	62.9

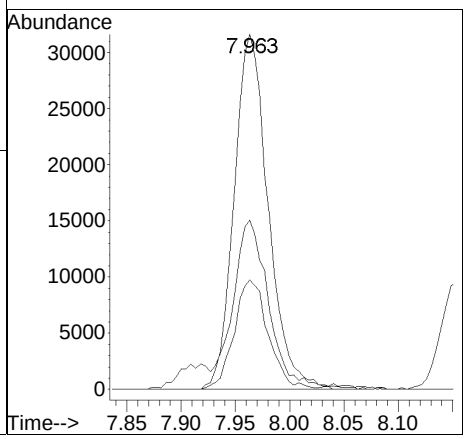


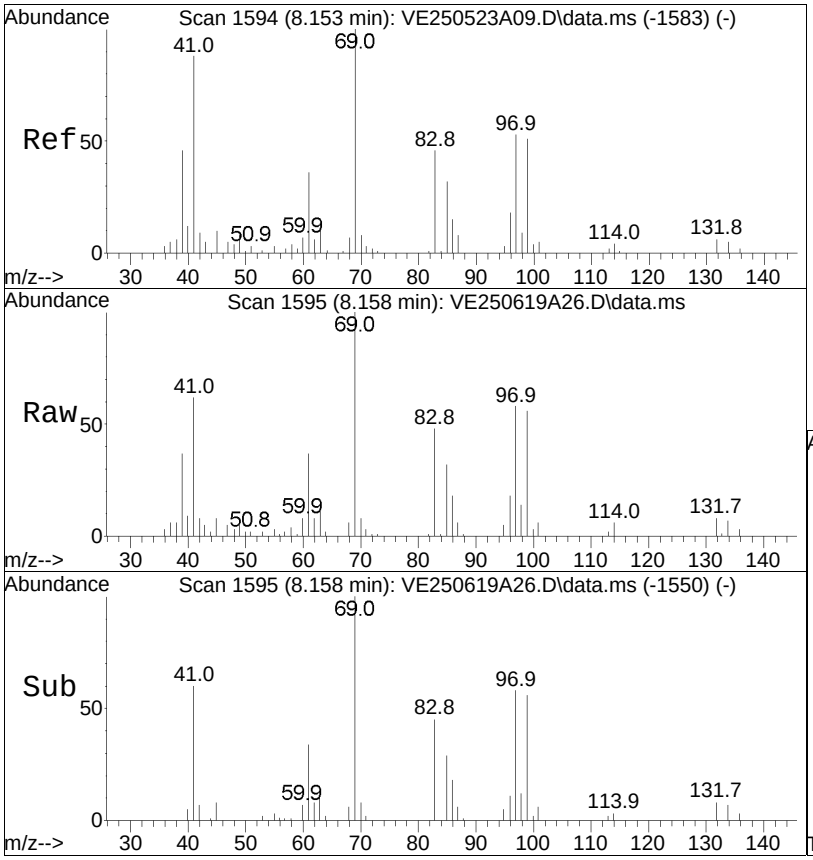


#69
trans-1,3-Dichloropropene
Concen: 9.16 ug/L
RT: 7.963 min Scan# 1552
Delta R.T. 0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 75 Resp: 69550

Ion	Ratio	Lower	Upper
75	100		
77	31.0	11.2	51.2
39	49.3	36.8	76.8

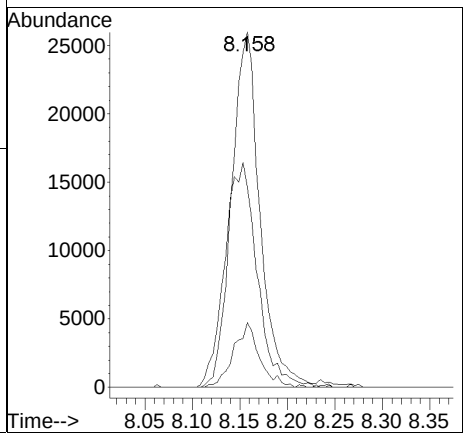


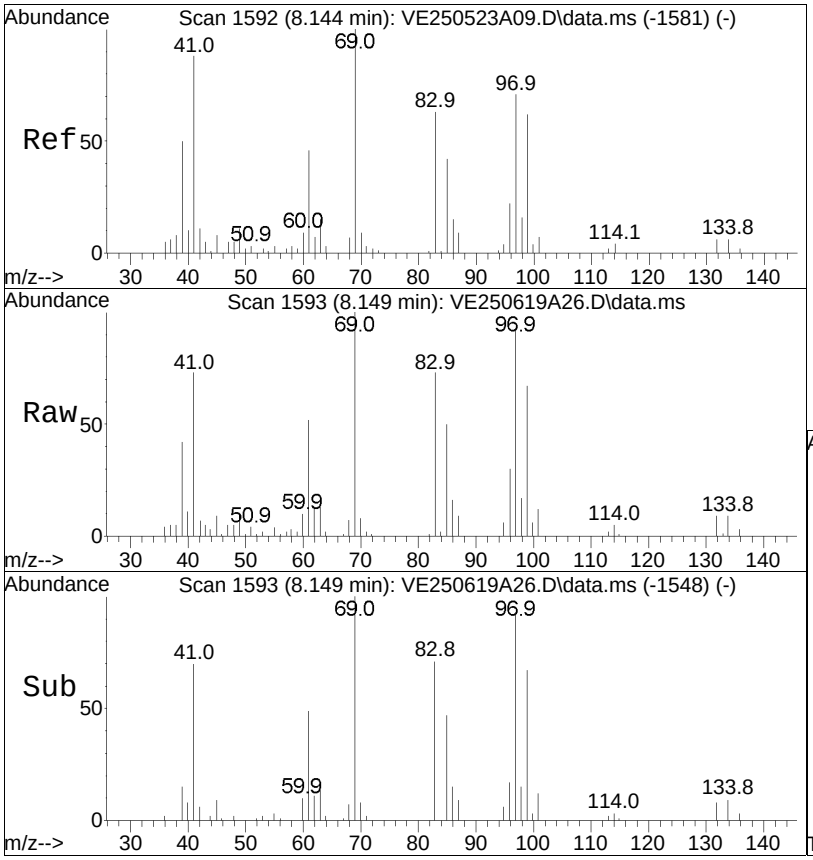


#71
Ethyl methacrylate
Concen: 8.39 ug/L
RT: 8.158 min Scan# 1595
Delta R.T. 0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 69 Resp: 54829

Ion	Ratio	Lower	Upper
69	100		
99	71.3	53.8	93.8
86	16.4	0.0	35.8

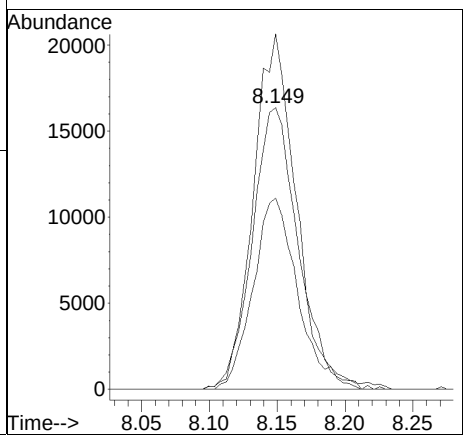


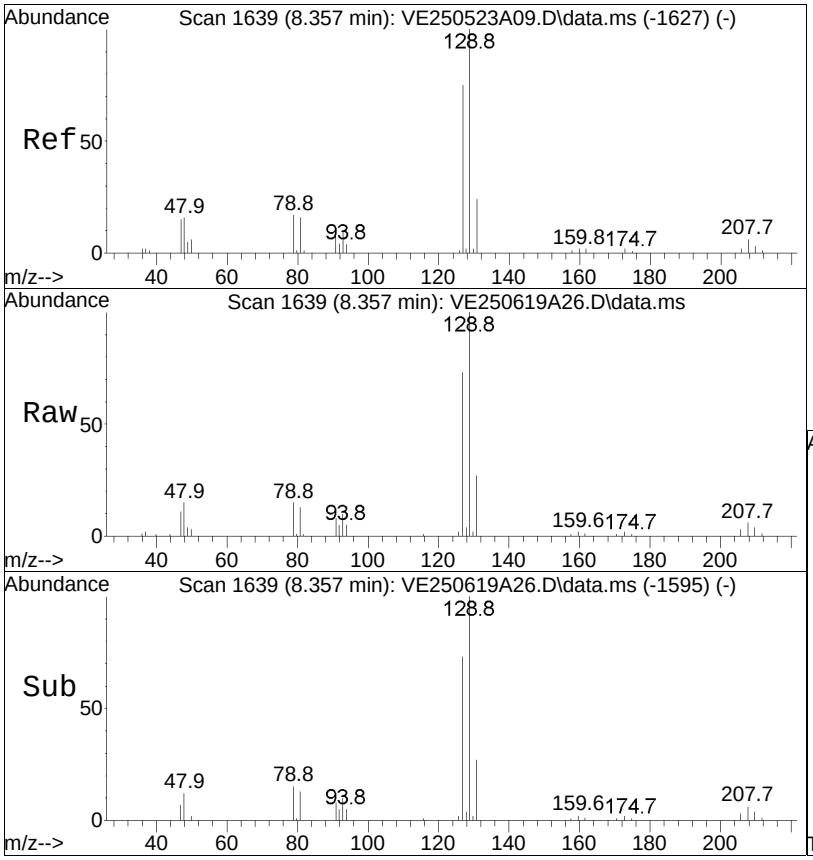


#72
1,1,2-Trichloroethane
Concen: 10.08 ug/L
RT: 8.149 min Scan# 1593
Delta R.T. 0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 83 Resp: 37993

Ion	Ratio	Lower	Upper
83	100		
97	122.1	93.6	133.6
85	67.0	44.0	84.0

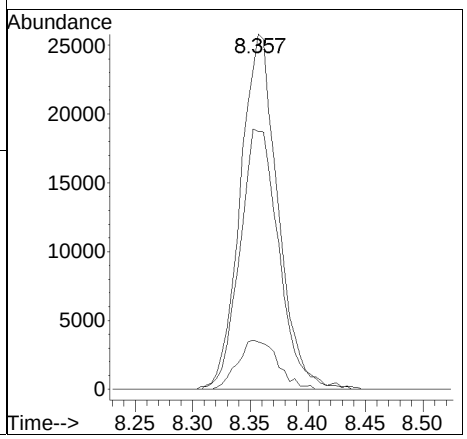


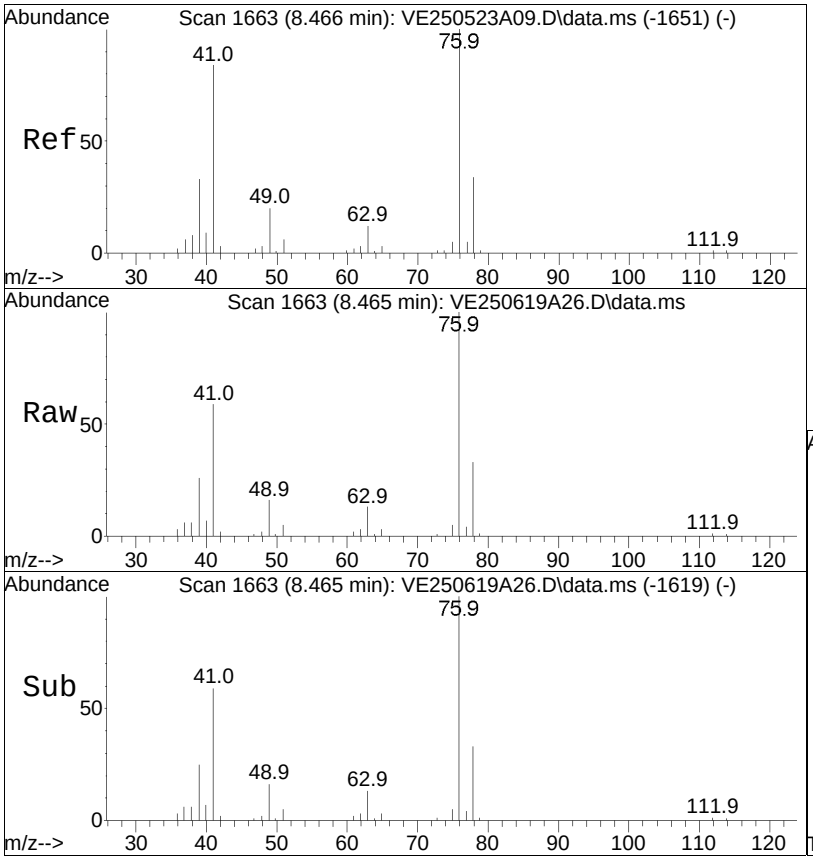


#73
Chlorodibromomethane
Concen: 9.98 ug/L
RT: 8.357 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:129 Resp: 58681

Ion	Ratio	Lower	Upper
129	100		
81	14.8	0.0	36.6
127	76.3	57.7	97.7

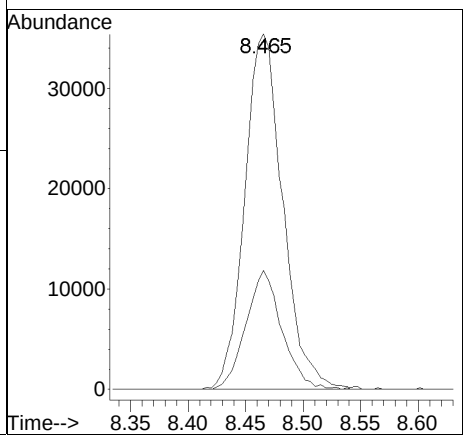


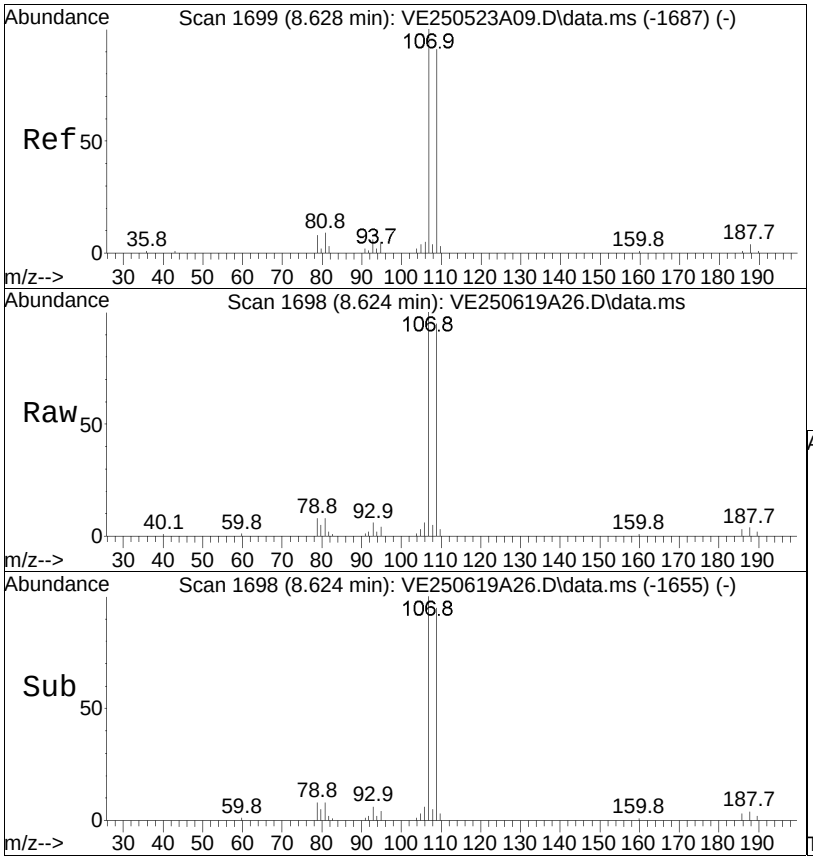


#74
1,3-Dichloropropane
Concen: 10.27 ug/L
RT: 8.465 min Scan# 1663
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 76 Resp: 81715

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.0	37.6

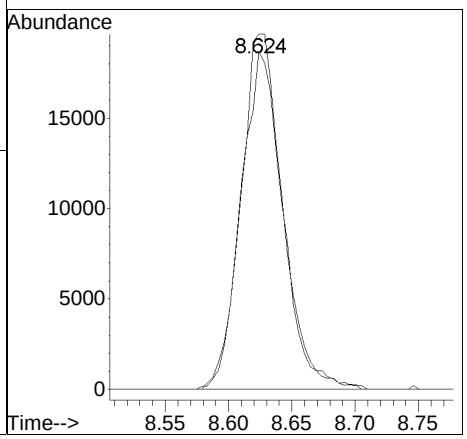


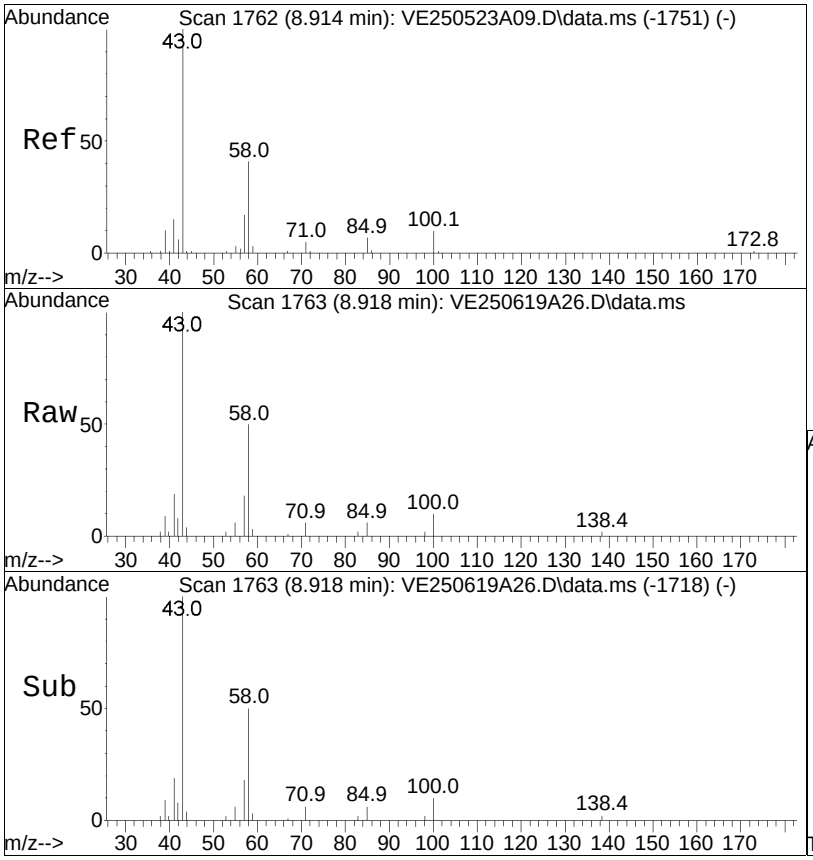


#75
1,2-Dibromoethane
Concen: 10.08 ug/L
RT: 8.624 min Scan# 1698
Delta R.T. -0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:107 Resp: 45644

Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.0	112.6

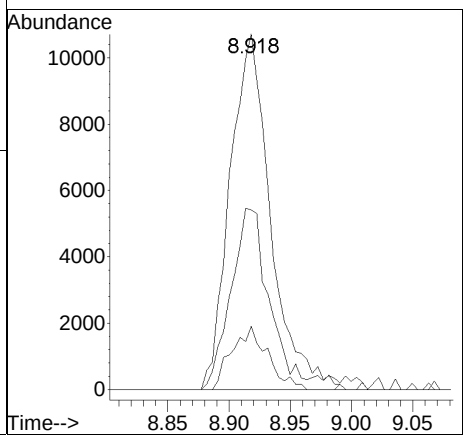


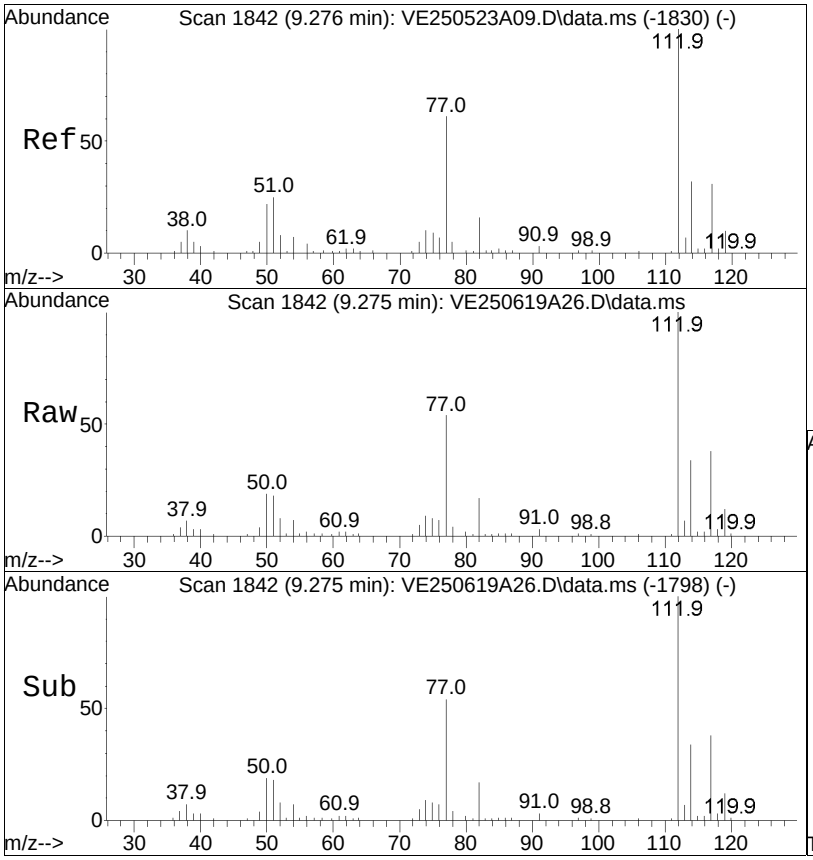


#77
2-Hexanone
Concen: 7.11 ug/L
RT: 8.918 min Scan# 1763
Delta R.T. 0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 43 Resp: 25032

Ion	Ratio	Lower	Upper
43	100		
58	49.0	38.6	58.0
57	15.4	14.5	21.7

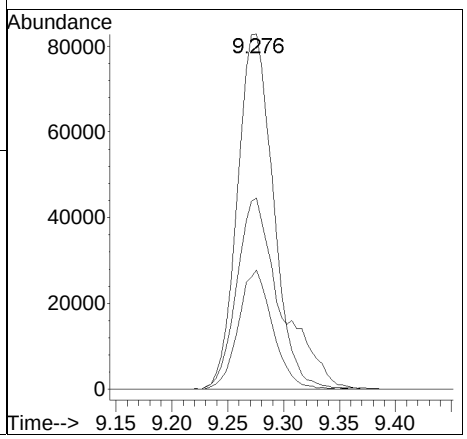


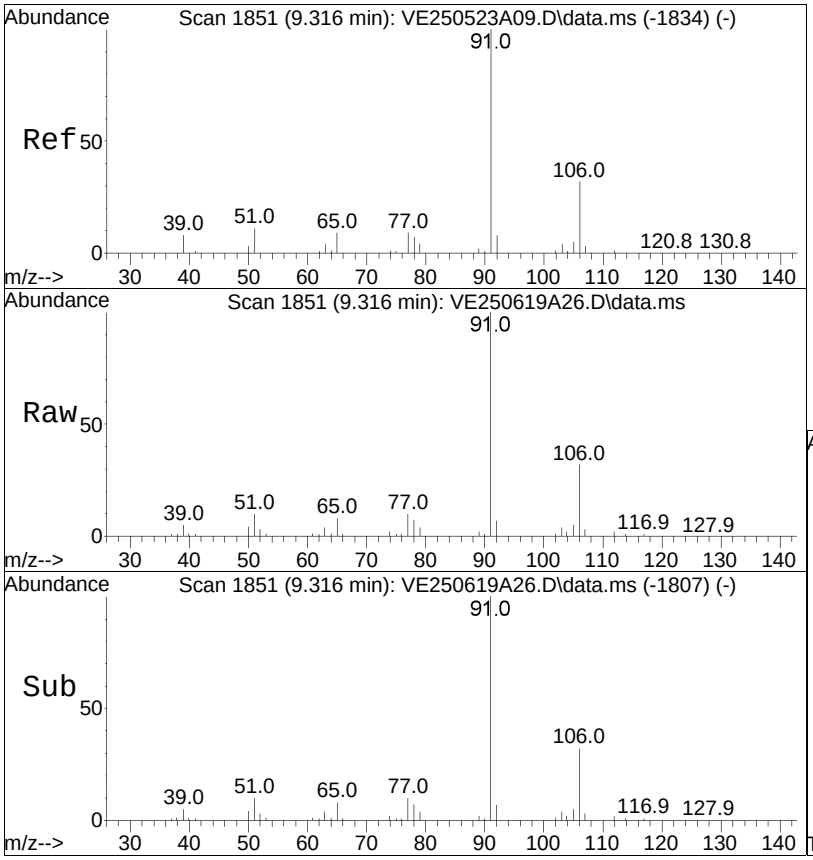


#78
Chlorobenzene
Concen: 10.15 ug/L
RT: 9.275 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:112 Resp: 185776

Ion	Ratio	Lower	Upper
112	100		
77	67.3	61.7	92.5
114	32.3	25.5	38.3

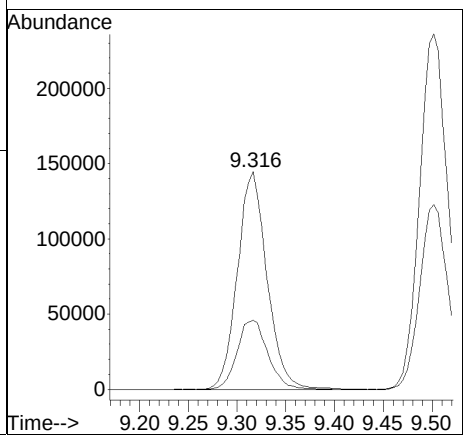


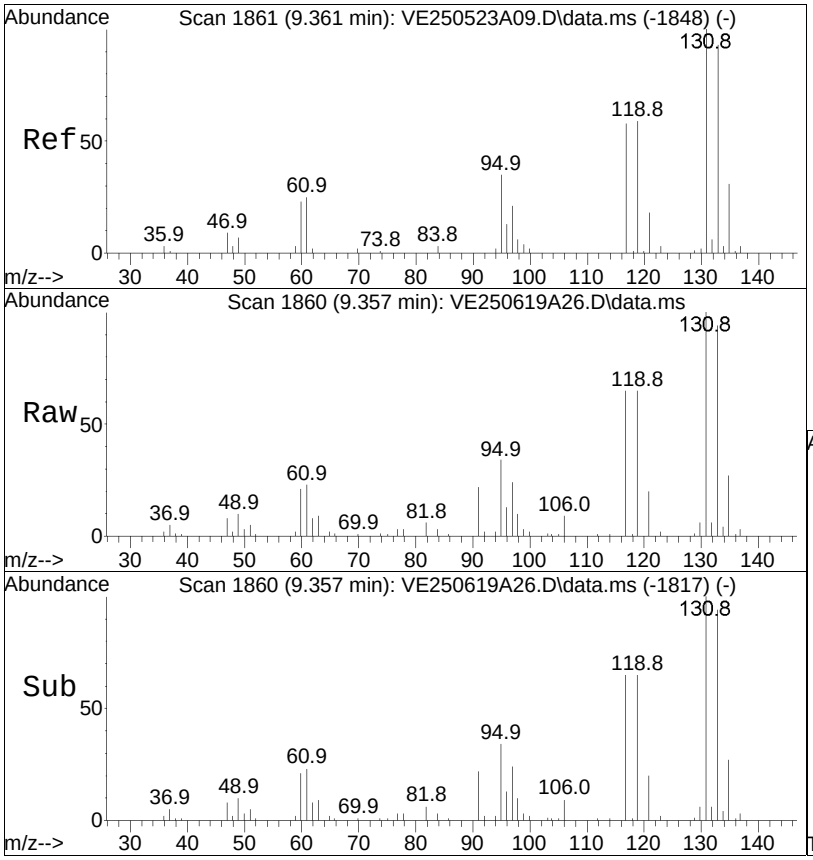


#79
Ethylbenzene
Concen: 9.55 ug/L
RT: 9.316 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 91 Resp: 305949

Ion	Ratio	Lower	Upper
91	100		
106	32.9	24.7	37.1

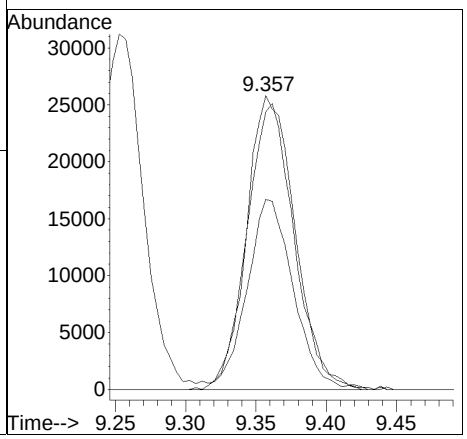


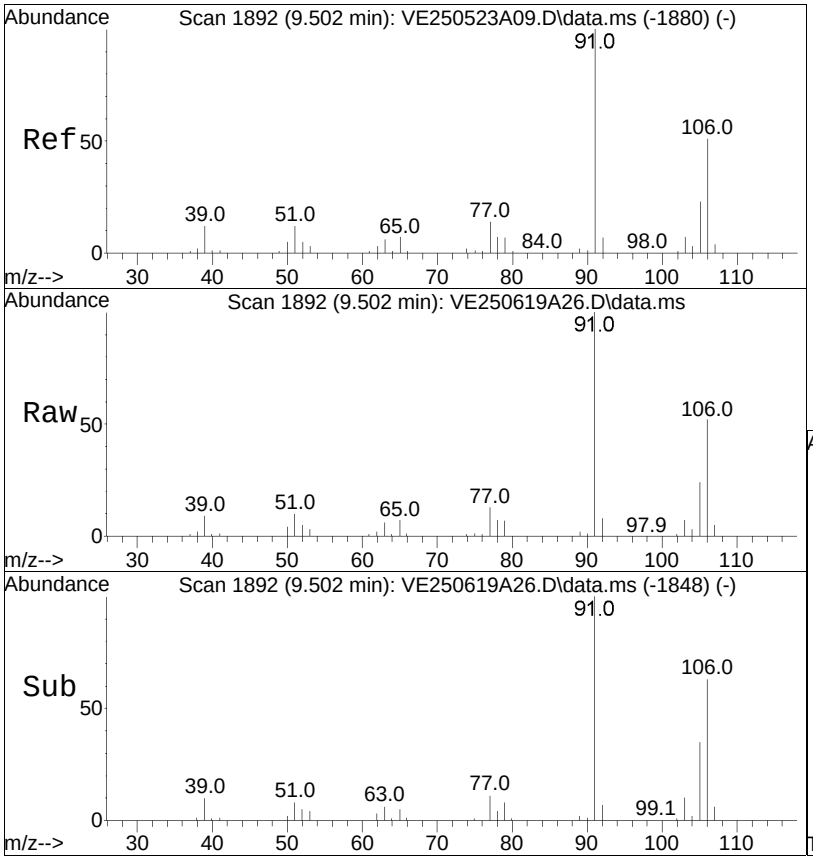


#80
1,1,1,2-Tetrachloroethane
Concen: 10.24 ug/L
RT: 9.357 min Scan# 1860
Delta R.T. -0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:131 Resp: 61727

Ion	Ratio	Lower	Upper
131	100		
133	94.6	77.8	117.8
119	61.7	41.2	81.2

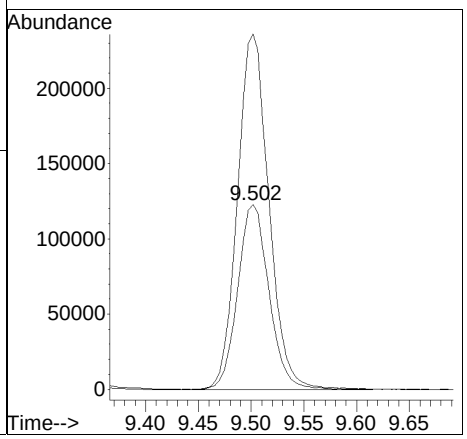


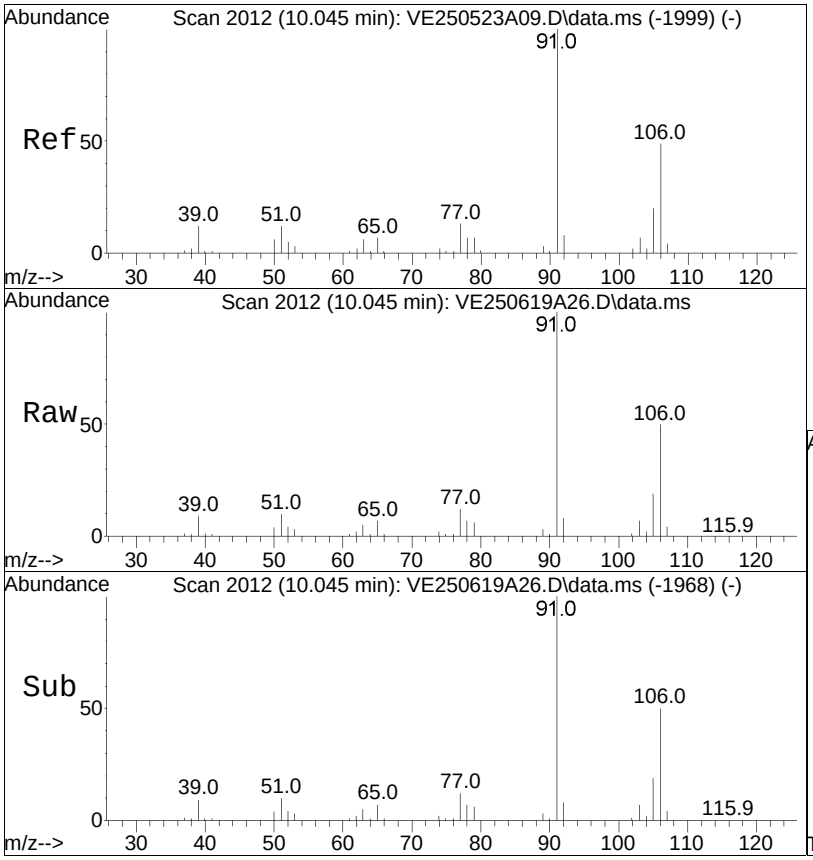


#81
p/m Xylene
Concen: 18.89 ug/L
RT: 9.502 min Scan# 1892
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:106 Resp: 252830

Ion	Ratio	Lower	Upper
106	100		
91	193.2	163.2	244.8

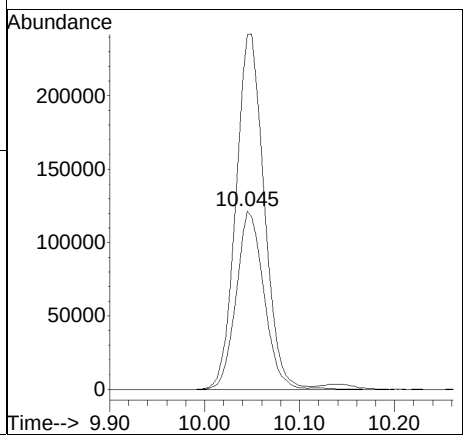


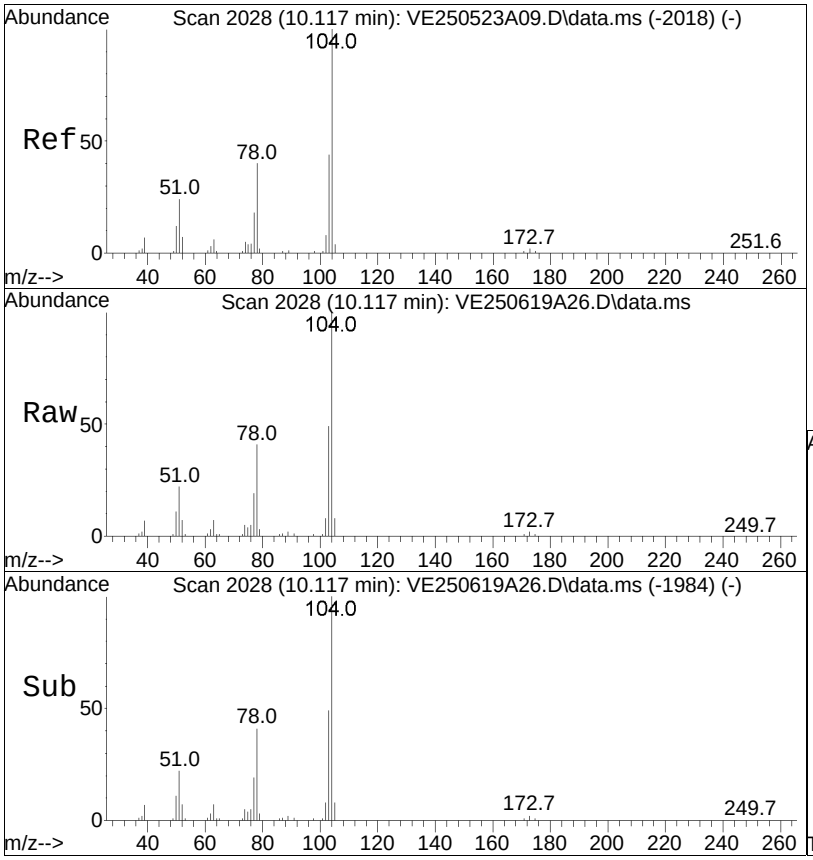


#82
o Xylene
Concen: 18.72 ug/L
RT: 10.045 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:106 Resp: 247918

Ion	Ratio	Lower	Upper
106	100		
91	205.3	177.0	265.6

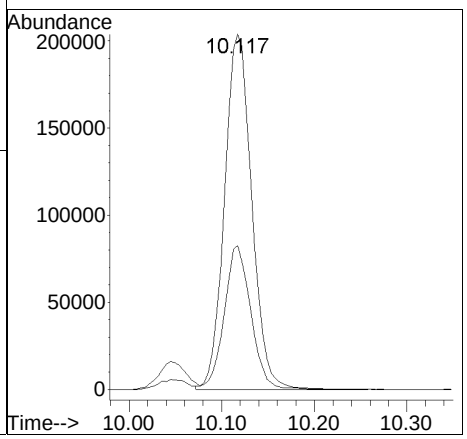


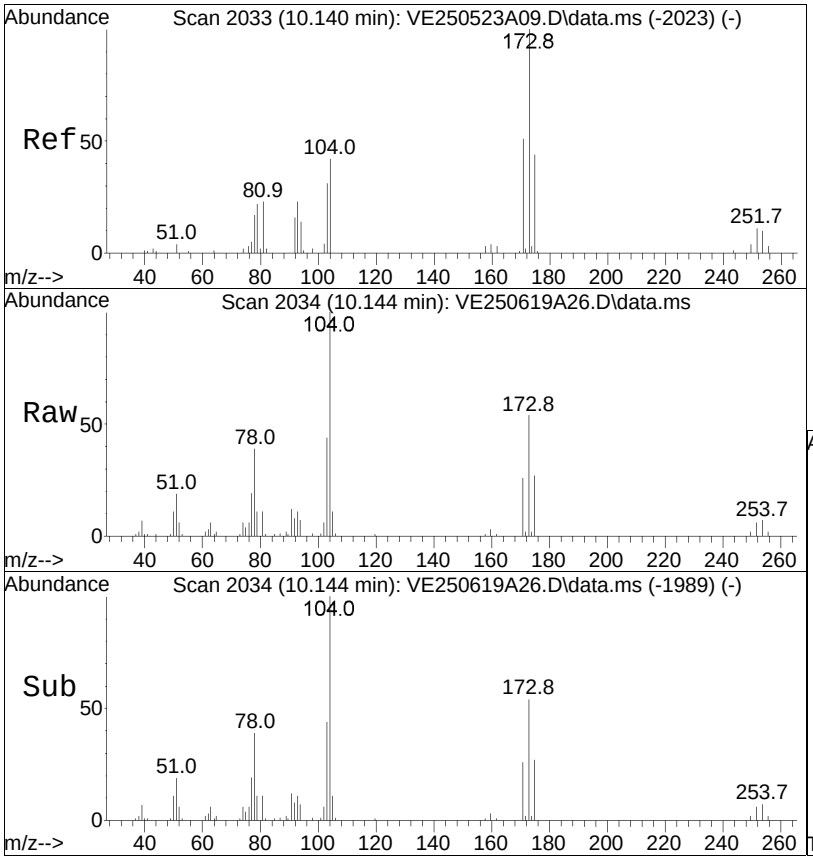


#83
Styrene
Concen: 18.69 ug/L
RT: 10.117 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:104 Resp: 416702

Ion	Ratio	Lower	Upper
104	100		
78	39.4	34.1	51.1

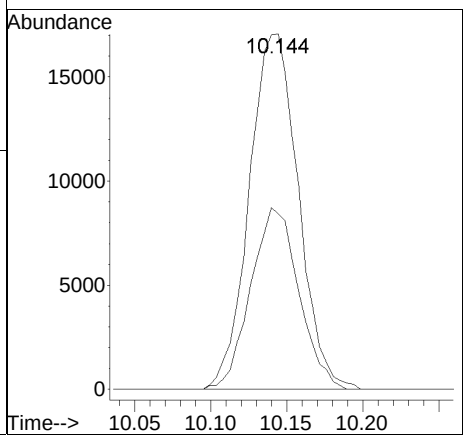


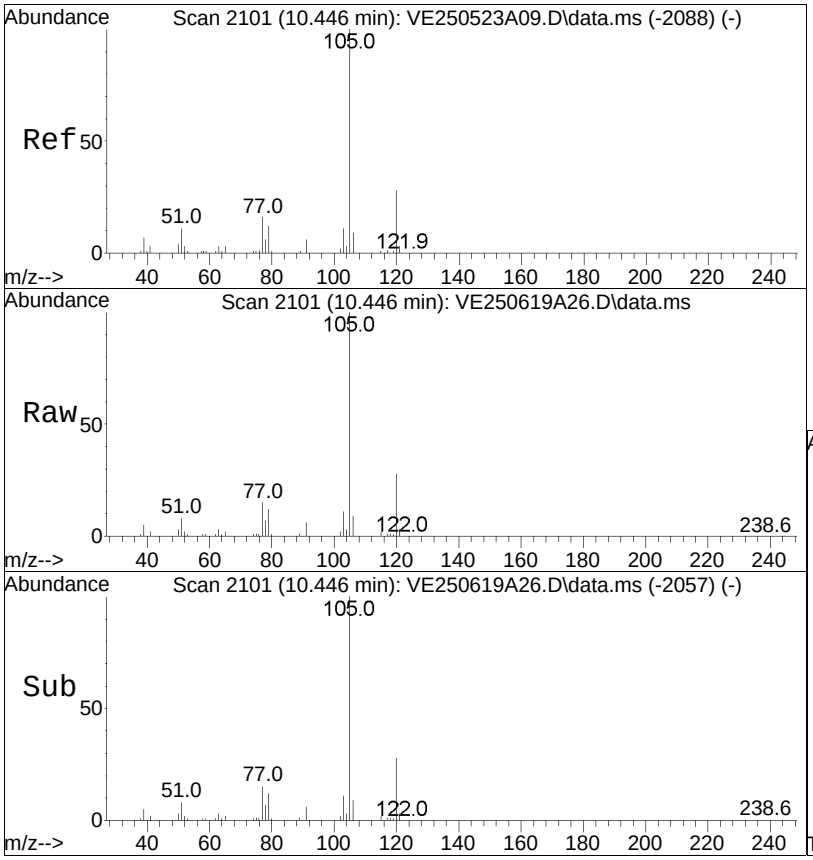


#85
Bromoform
Concen: 9.63 ug/L
RT: 10.144 min Scan# 2034
Delta R.T. 0.005 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:173 Resp: 38322

Ion	Ratio	Lower	Upper
173	100		
175	50.1	25.9	65.9

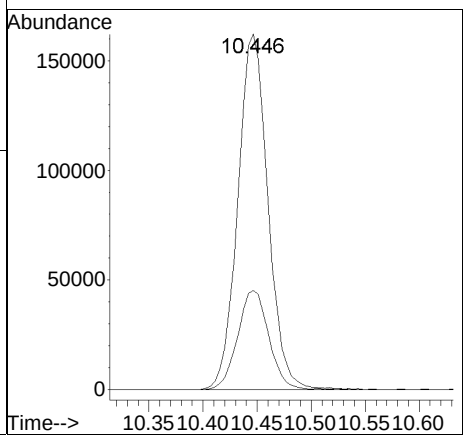


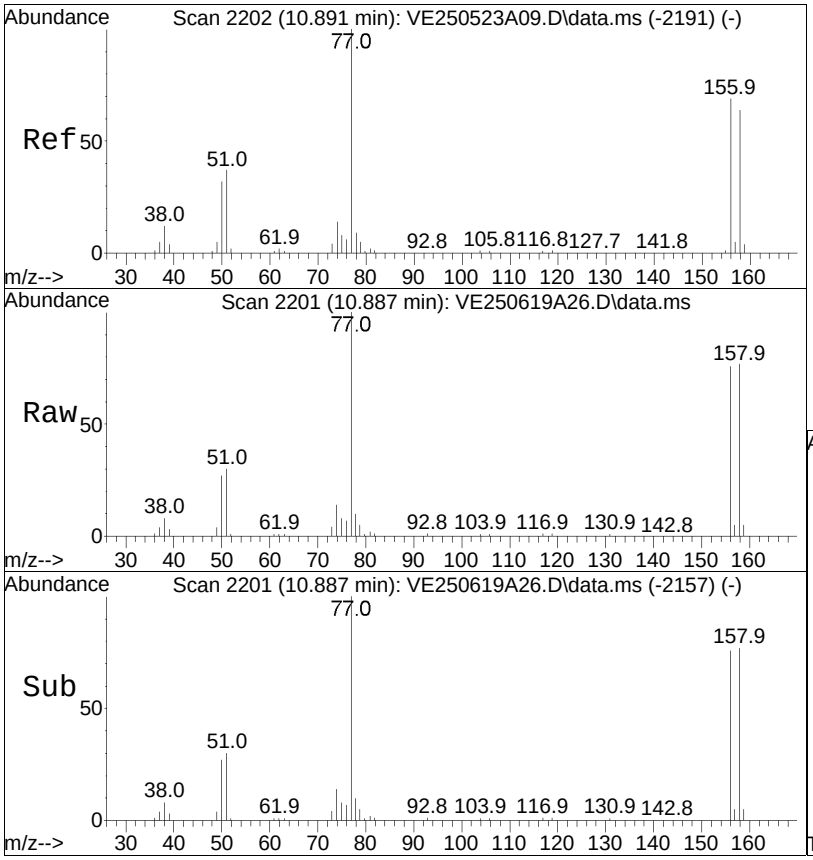


#87
Isopropylbenzene
Concen: 8.51 ug/L
RT: 10.446 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:105 Resp: 314186

Ion	Ratio	Lower	Upper
105	100		
120	28.7	6.4	46.4

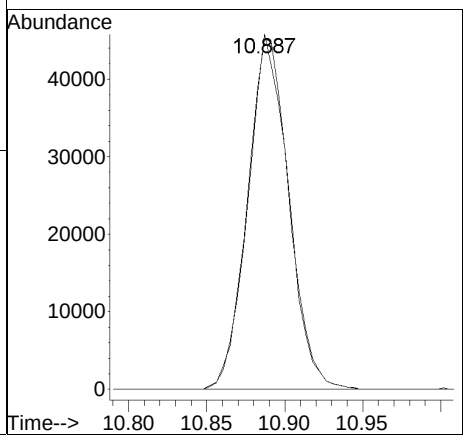


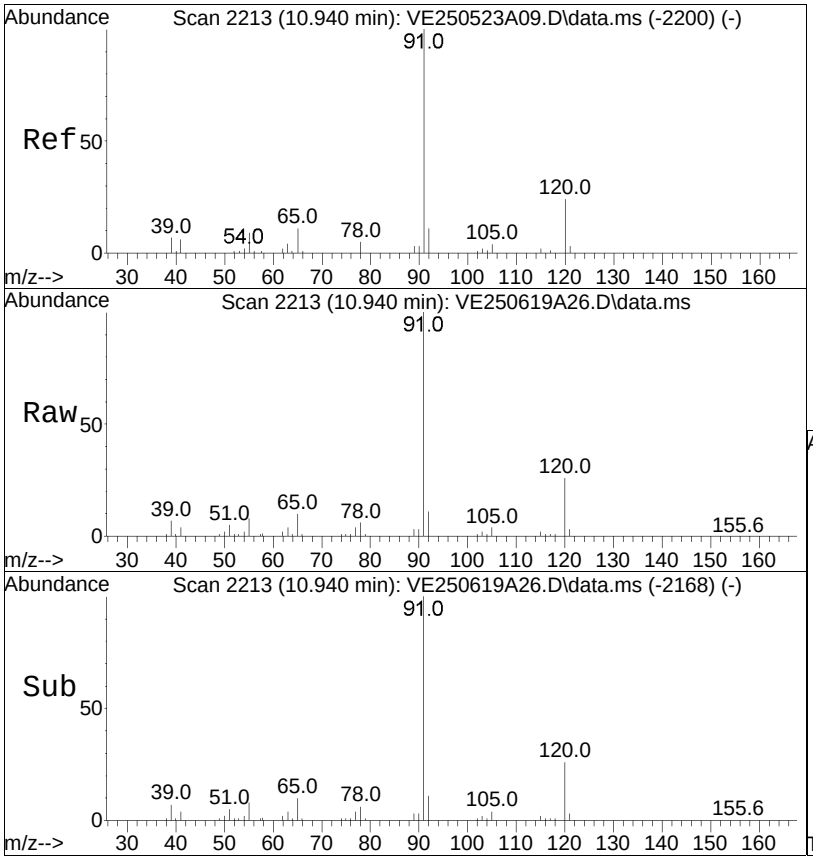


#89
Bromobenzene
Concen: 9.97 ug/L
RT: 10.887 min Scan# 2201
Delta R.T. -0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:156 Resp: 84150

Ion	Ratio	Lower	Upper
156	100		
158	97.7	78.0	117.0

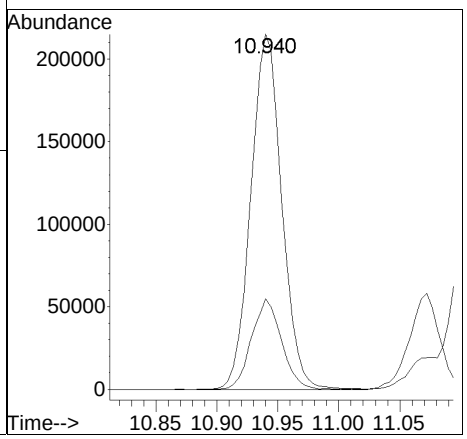


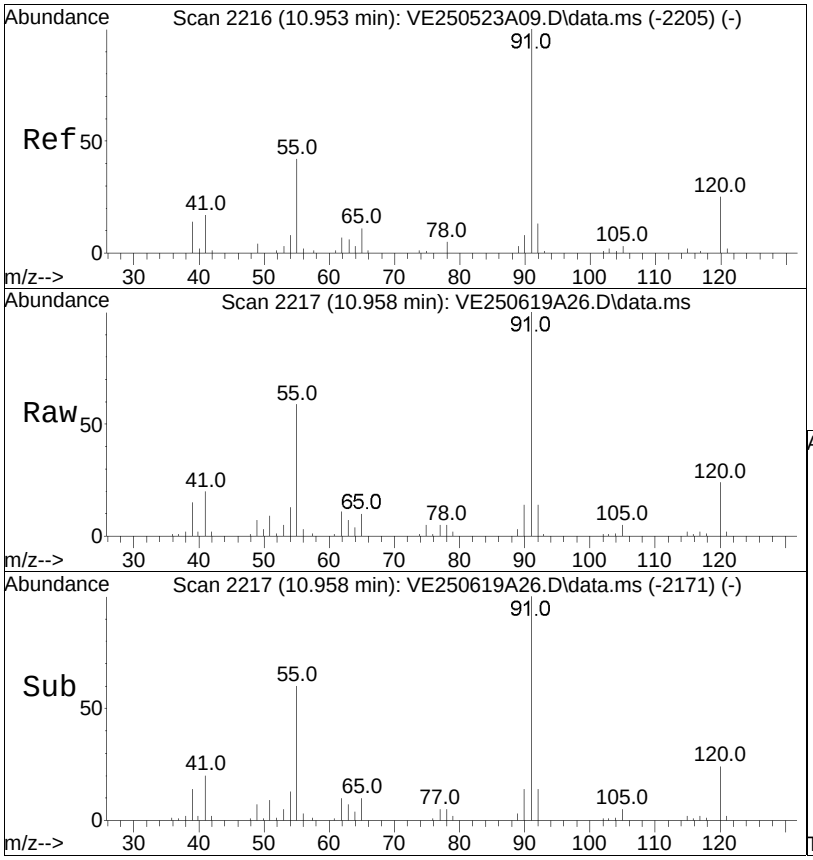


#90
n-Propylbenzene
Concen: 8.72 ug/L
RT: 10.940 min Scan# 2213
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 91 Resp: 379400

Ion	Ratio	Lower	Upper
91	100		
120	24.7	18.5	27.7

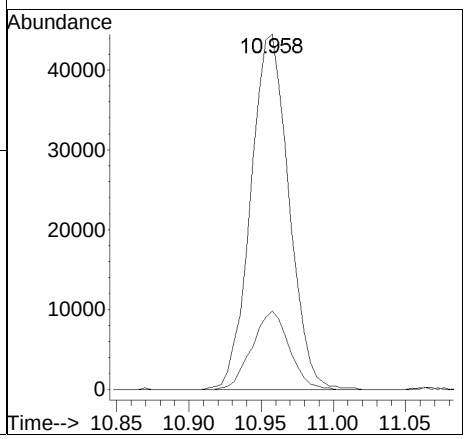


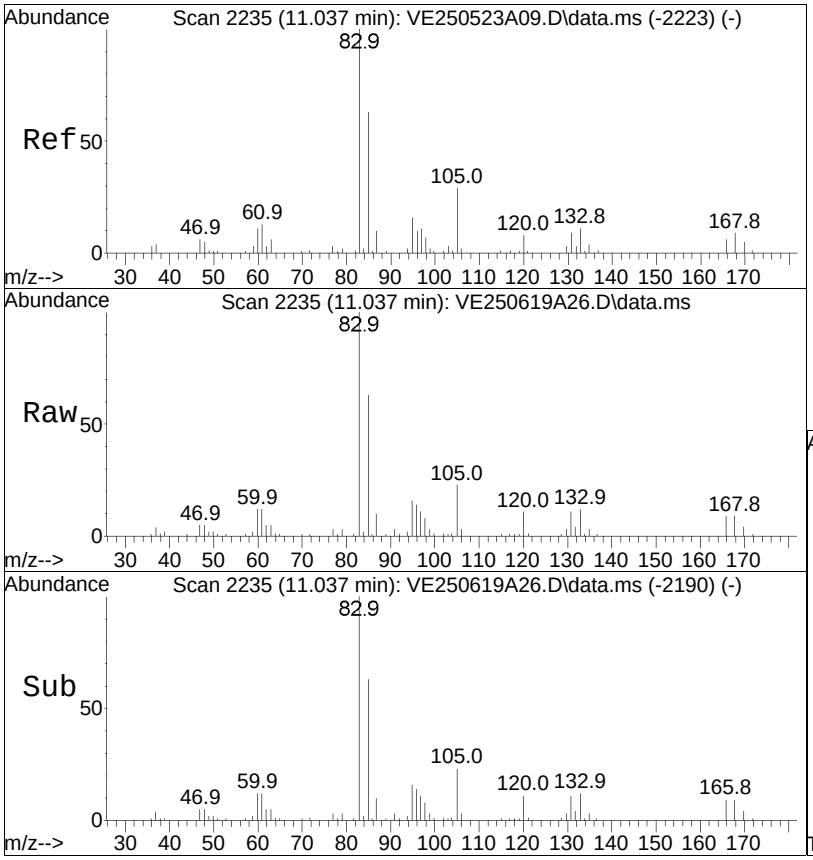


#91
1,4-Dichlorobutane
Concen: 7.99 ug/L
RT: 10.958 min Scan# 2217
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 55 Resp: 81525

Ion	Ratio	Lower	Upper
55	100		
54	21.5	16.9	25.3

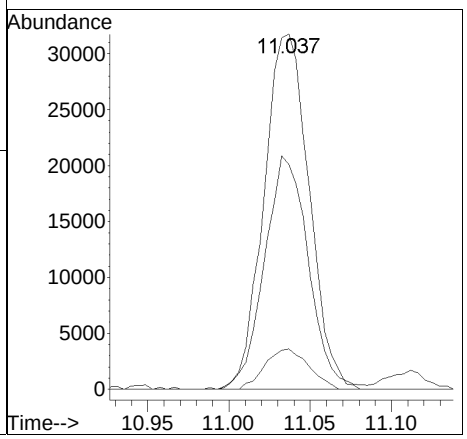


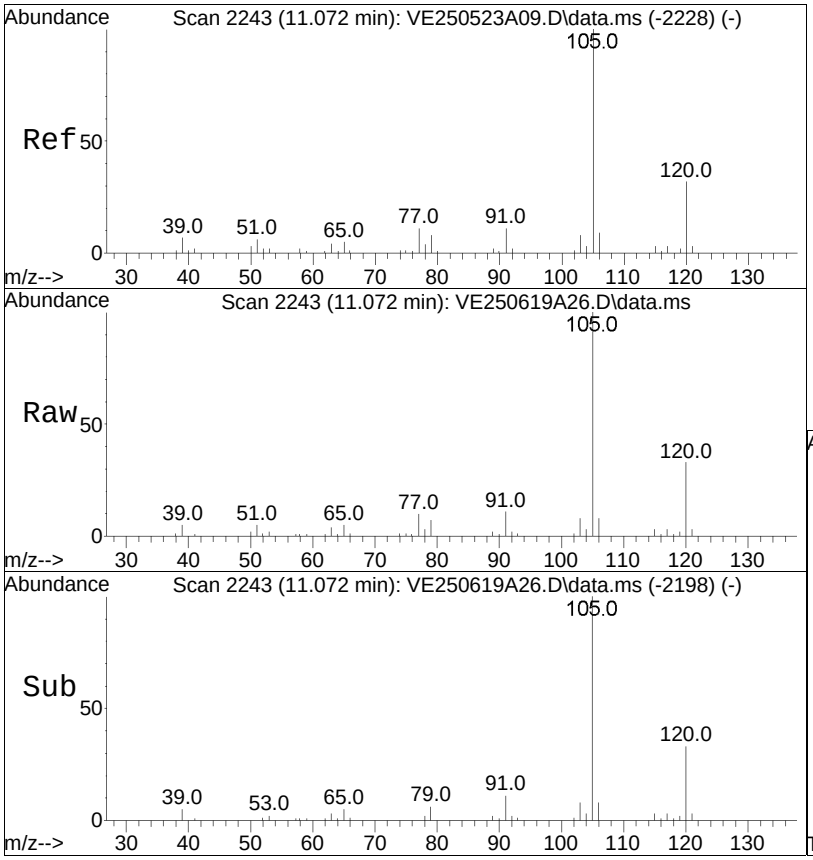


#92
1,1,2,2-Tetrachloroethane
Concen: 10.49 ug/L
RT: 11.037 min Scan# 2235
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 83 Resp: 61423

Ion	Ratio	Lower	Upper
83	100		
131	11.1	0.0	30.3
85	64.0	46.4	86.4

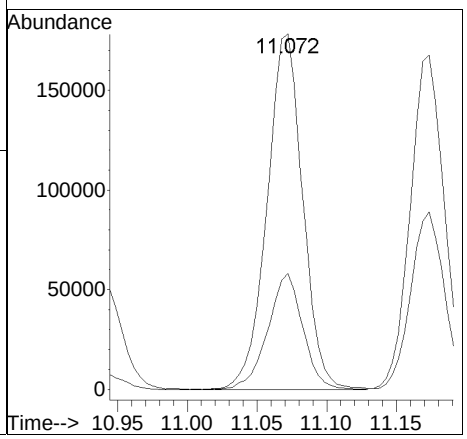


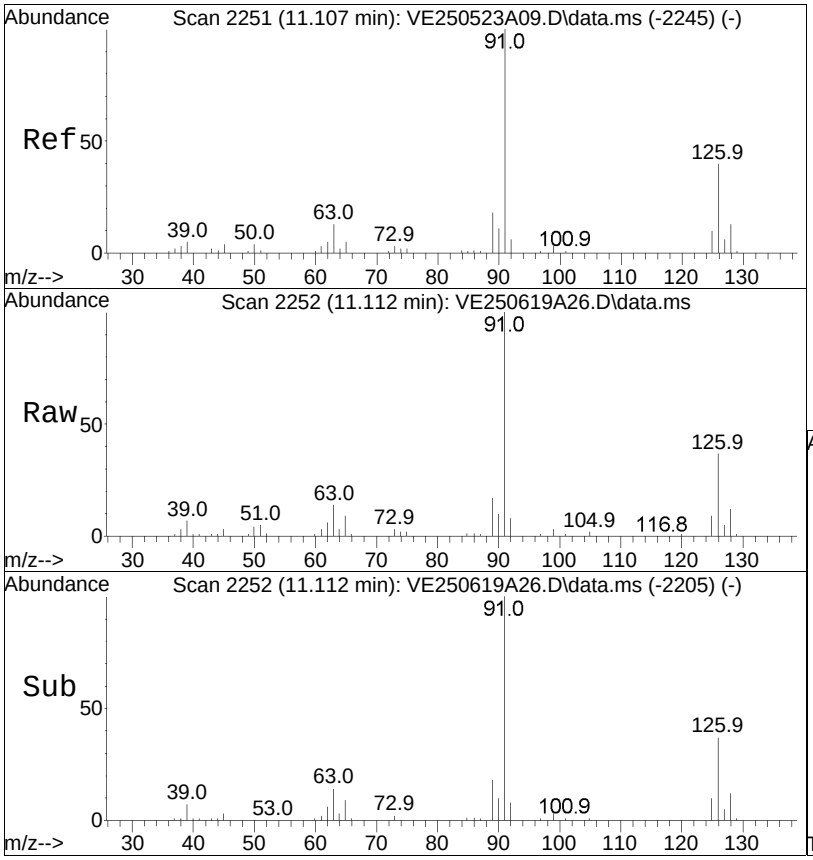


#93
4-Ethyltoluene
Concen: 8.55 ug/L
RT: 11.072 min Scan# 2243
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:105 Resp: 317272

Ion	Ratio	Lower	Upper
105	100		
120	31.9	19.4	40.2

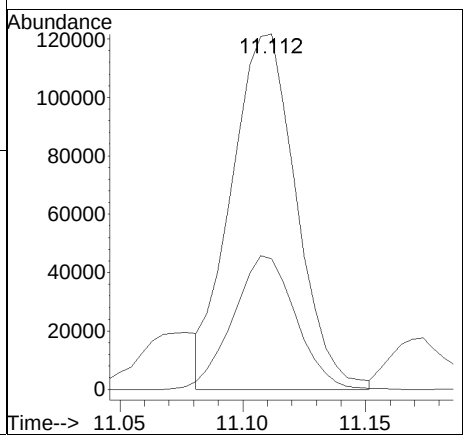


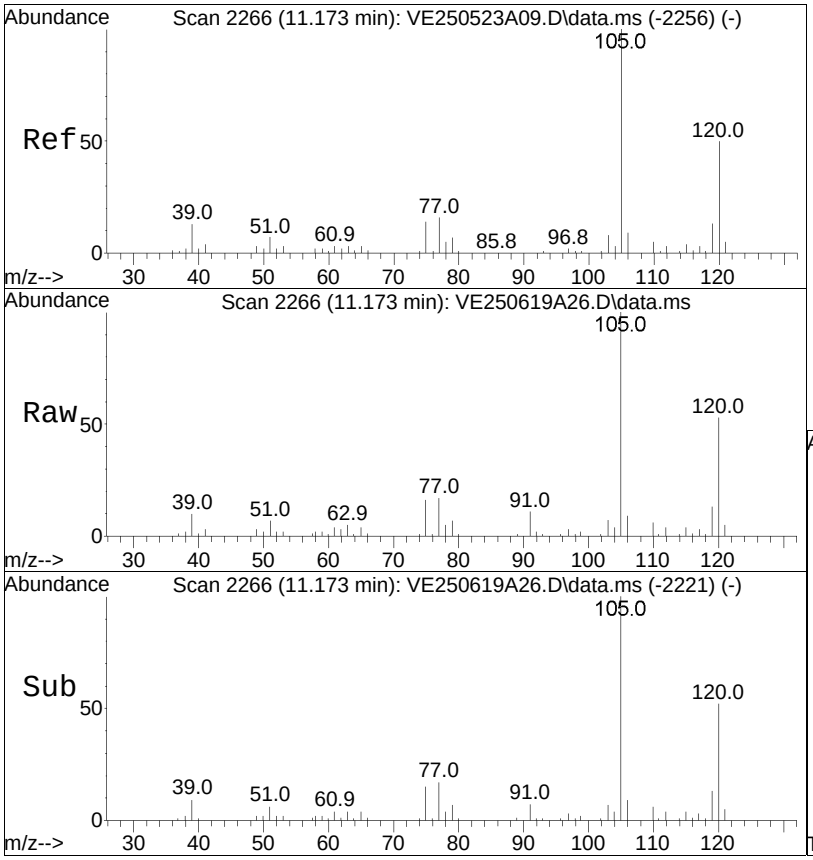


#94
2-Chlorotoluene
Concen: 8.70 ug/L M6
RT: 11.112 min Scan# 2252
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 91 Resp: 224683

Ion	Ratio	Lower	Upper
91	100		
126	36.2	27.1	40.7

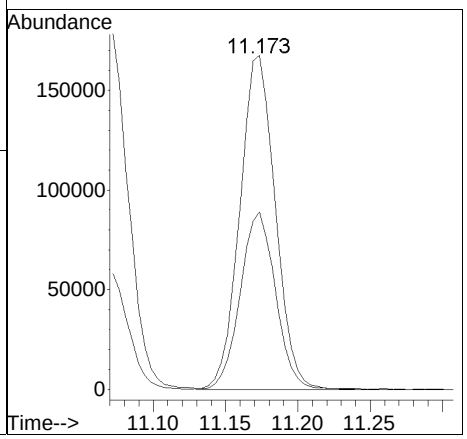


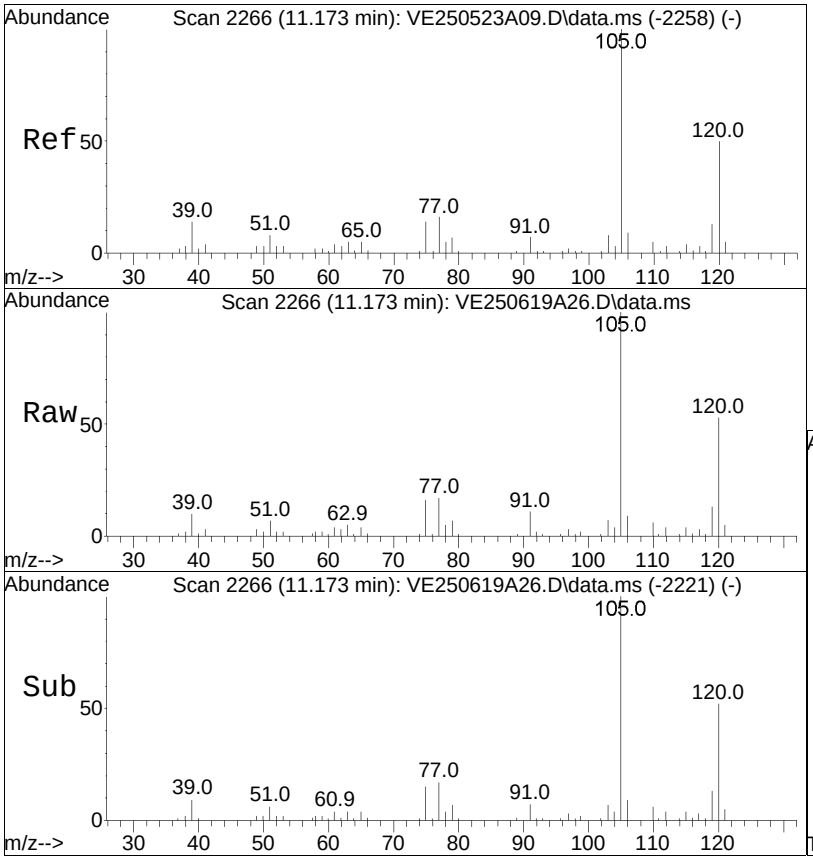


#95
1,3,5-Trimethylbenzene
Concen: 8.80 ug/L
RT: 11.173 min Scan# 2266
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:105 Resp: 286246

Ion	Ratio	Lower	Upper
105	100		
120	52.8	40.2	60.2

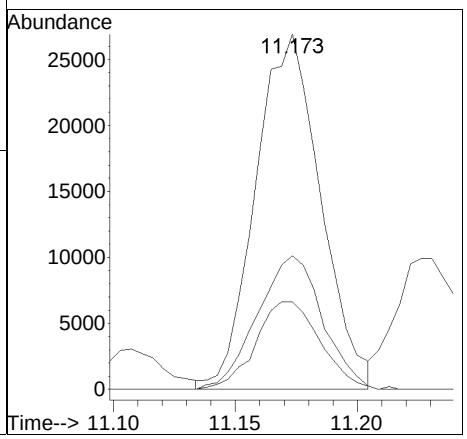


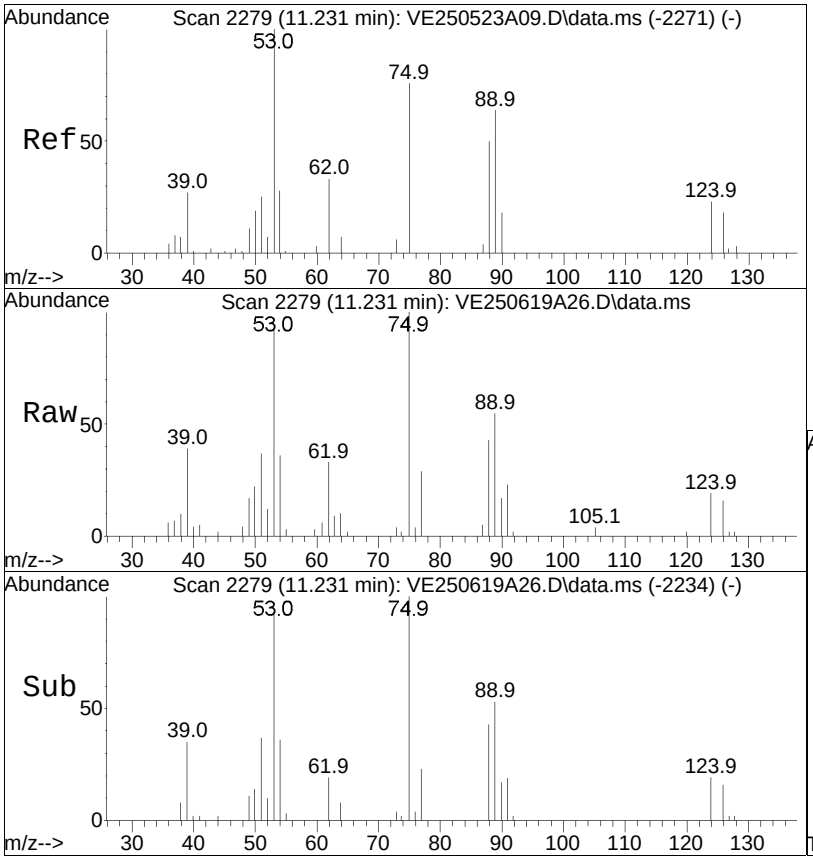


#96
1,2,3-Trichloropropane
Concen: 9.81 ug/L
RT: 11.173 min Scan# 2266
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 75 Resp: 49924

Ion	Ratio	Lower	Upper
75	100		
110	37.6	22.8	47.4
112	24.4	14.9	30.9

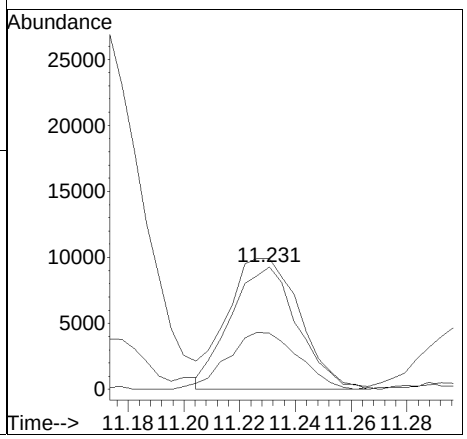


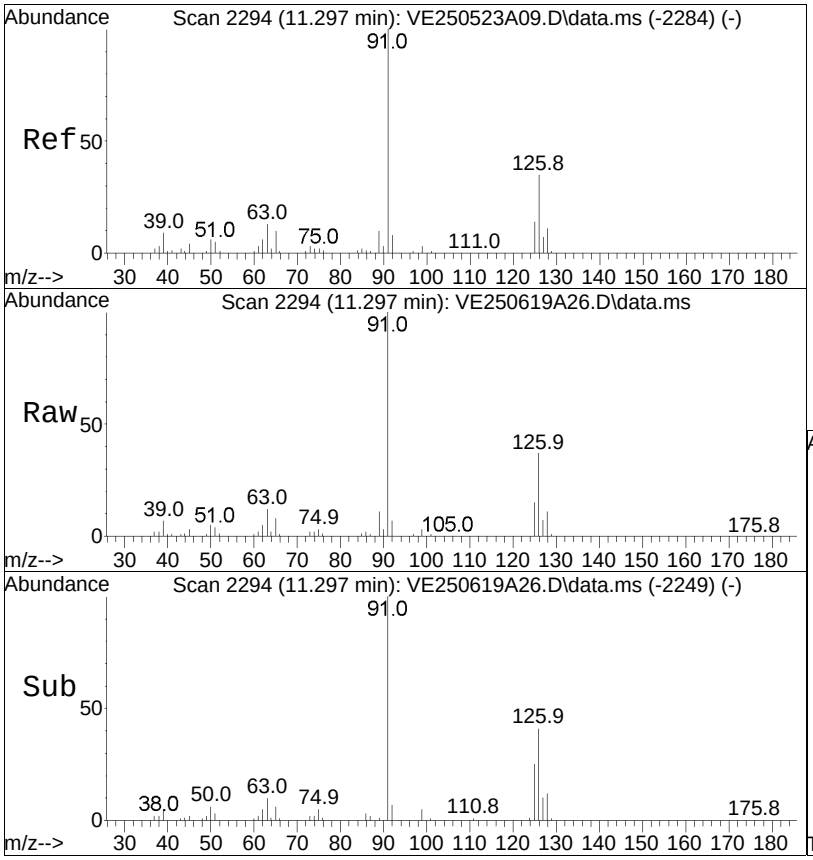


#97
trans-1,4-Dichloro-2-butene
Concen: 7.54 ug/L
RT: 11.231 min Scan# 2279
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 53 Resp: 15530

Ion	Ratio	Lower	Upper
53	100		
88	49.3	32.6	49.0#
75	114.2	75.3	112.9#

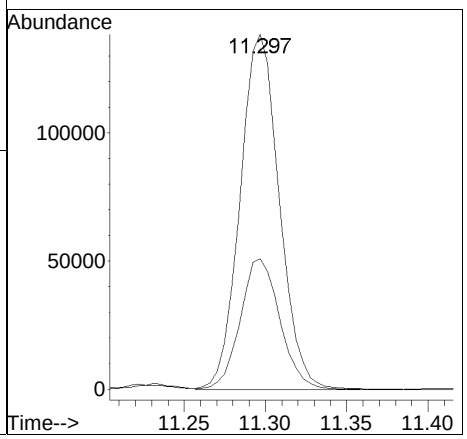


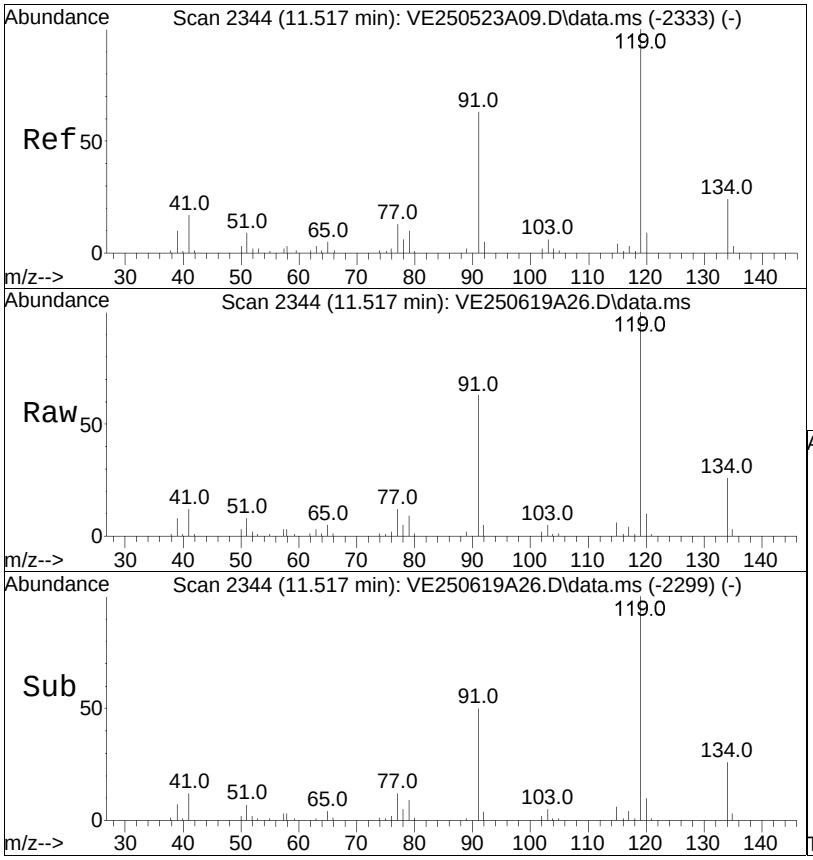


#98
4-Chlorotoluene
Concen: 8.64 ug/L
RT: 11.297 min Scan# 2294
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 91 Resp: 231957

Ion	Ratio	Lower	Upper
91	100		
126	37.2	26.2	39.4

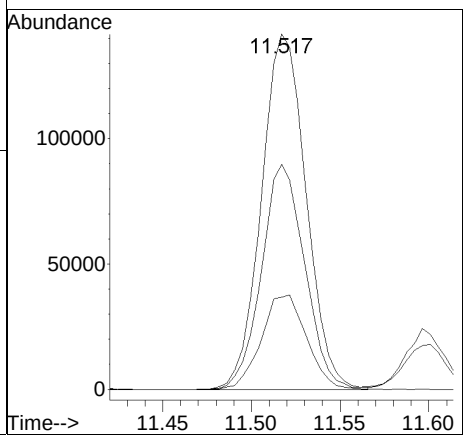


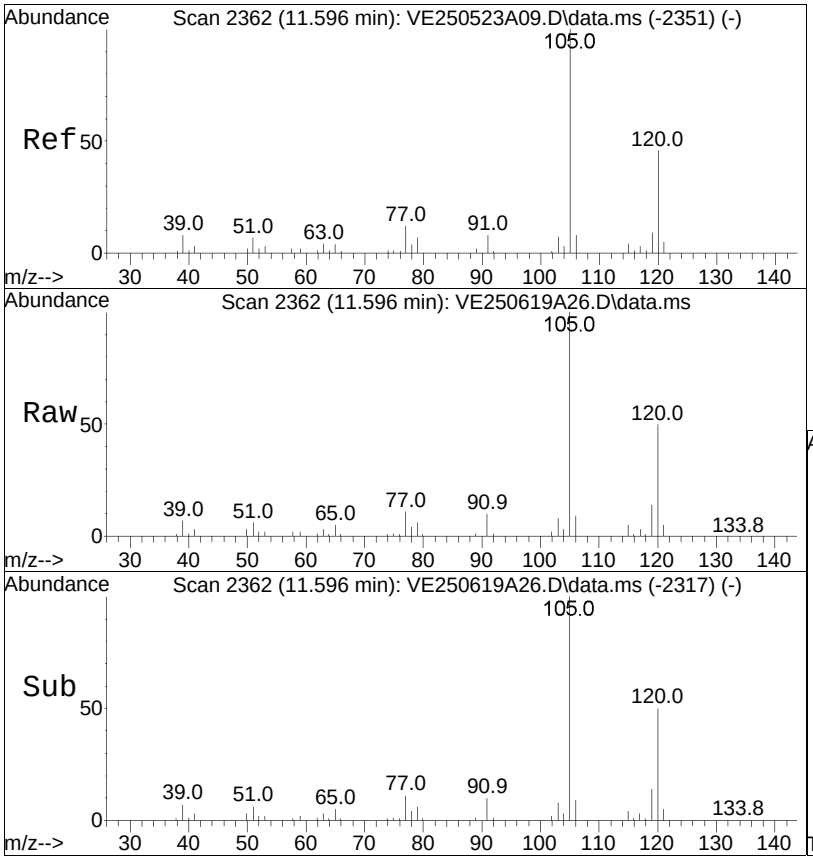


#99
tert-Butylbenzene
Concen: 8.77 ug/L
RT: 11.517 min Scan# 2344
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:119 Resp: 248089

Ion	Ratio	Lower	Upper
119	100		
91	61.4	55.4	83.0
134	27.0	21.8	32.6

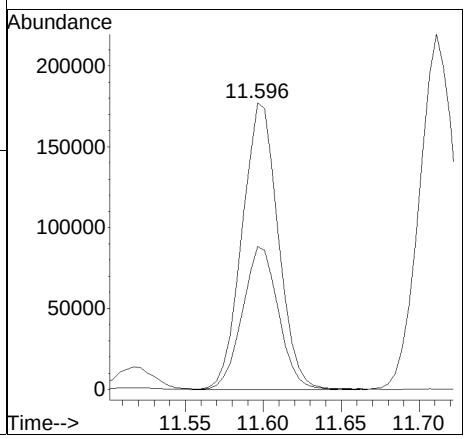


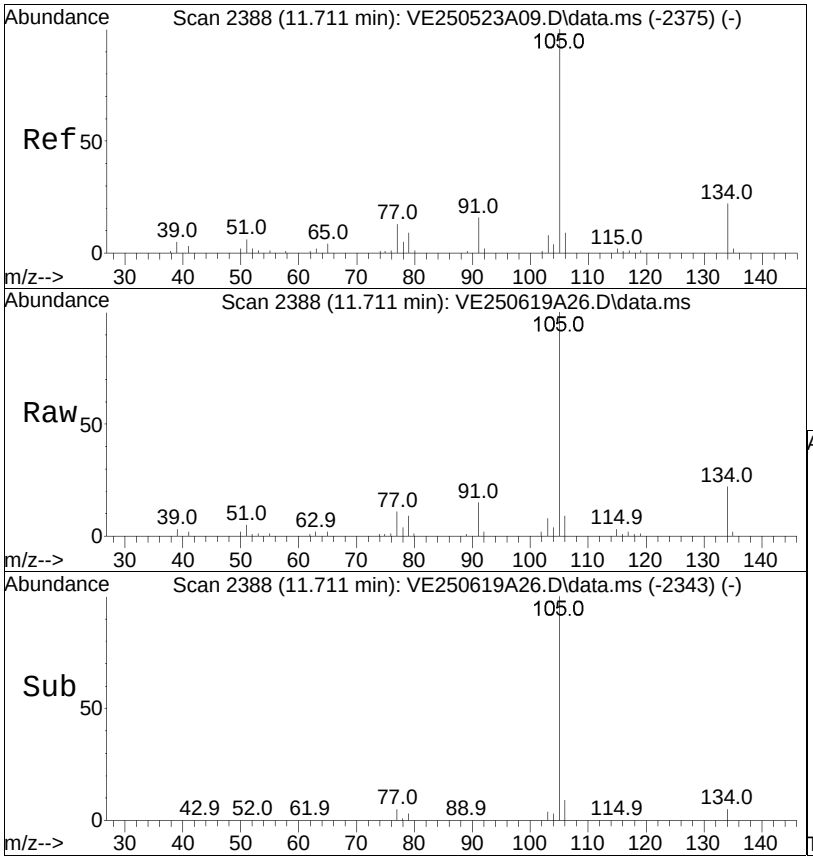


#102
1,2,4-Trimethylbenzene
Concen: 9.01 ug/L
RT: 11.596 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:105 Resp: 284882

Ion	Ratio	Lower	Upper
105	100		
120	49.6	36.5	54.7

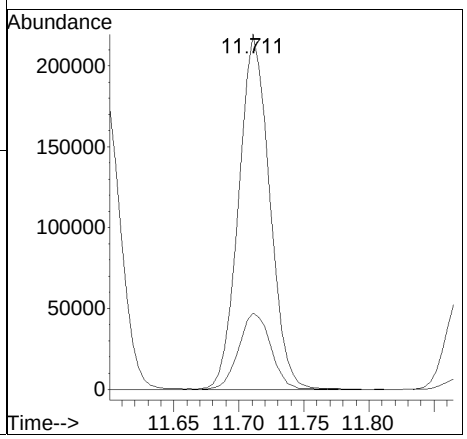


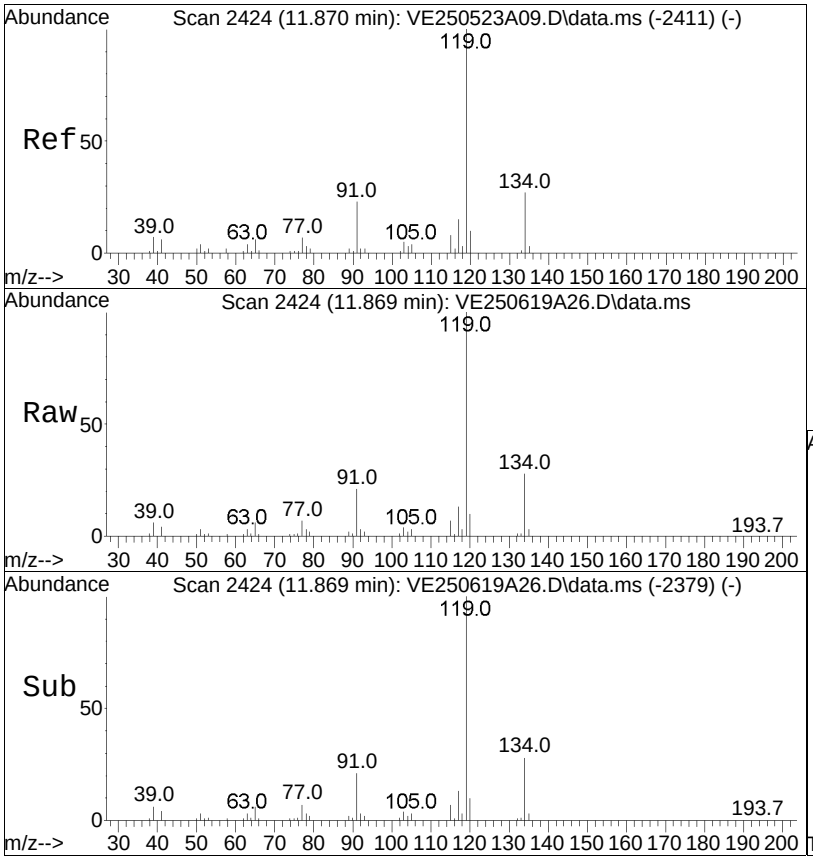


#103
sec-Butylbenzene
Concen: 8.94 ug/L
RT: 11.711 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:105 Resp: 362971

Ion	Ratio	Lower	Upper
105	100		
134	22.3	13.9	28.9

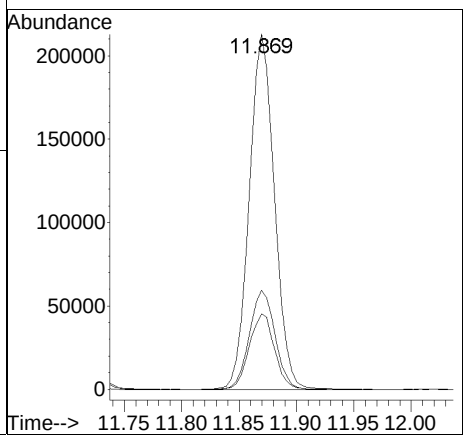


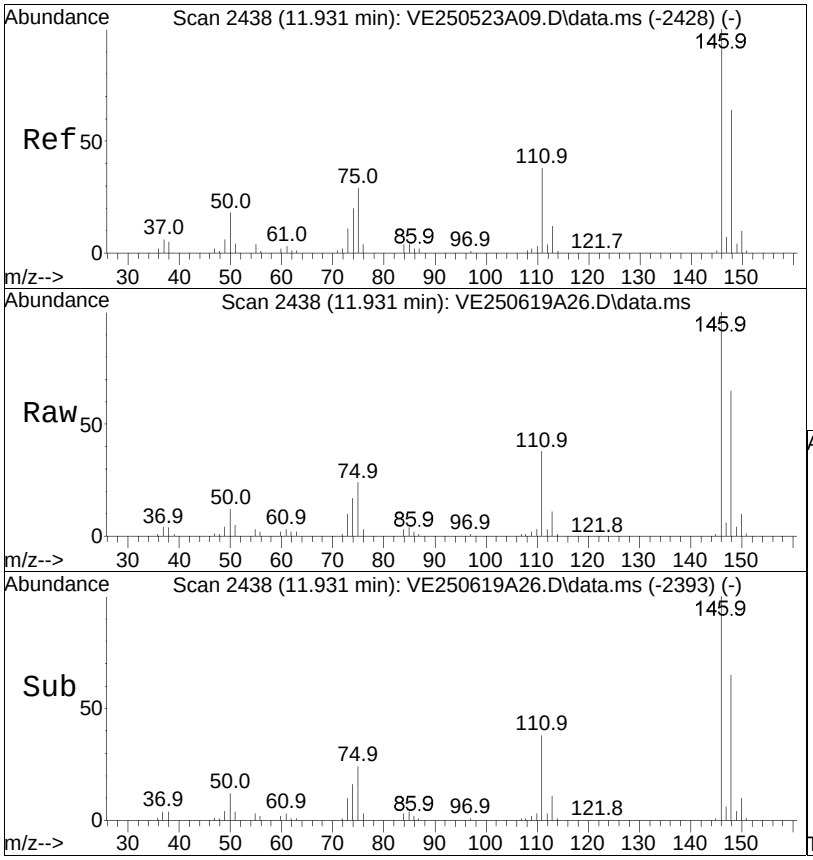


#104
p-Isopropyltoluene
Concen: 9.03 ug/L
RT: 11.869 min Scan# 2424
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:119 Resp: 325365

Ion	Ratio	Lower	Upper
119	100		
134	28.3	18.3	37.9
91	21.2	15.6	32.4

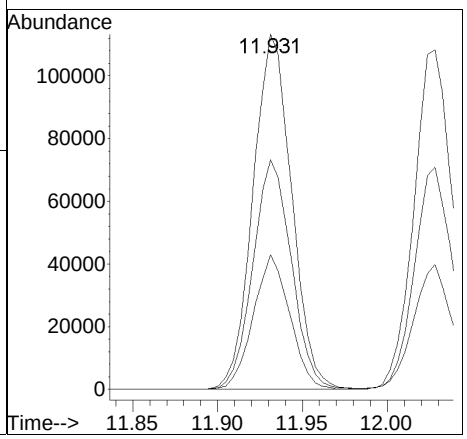


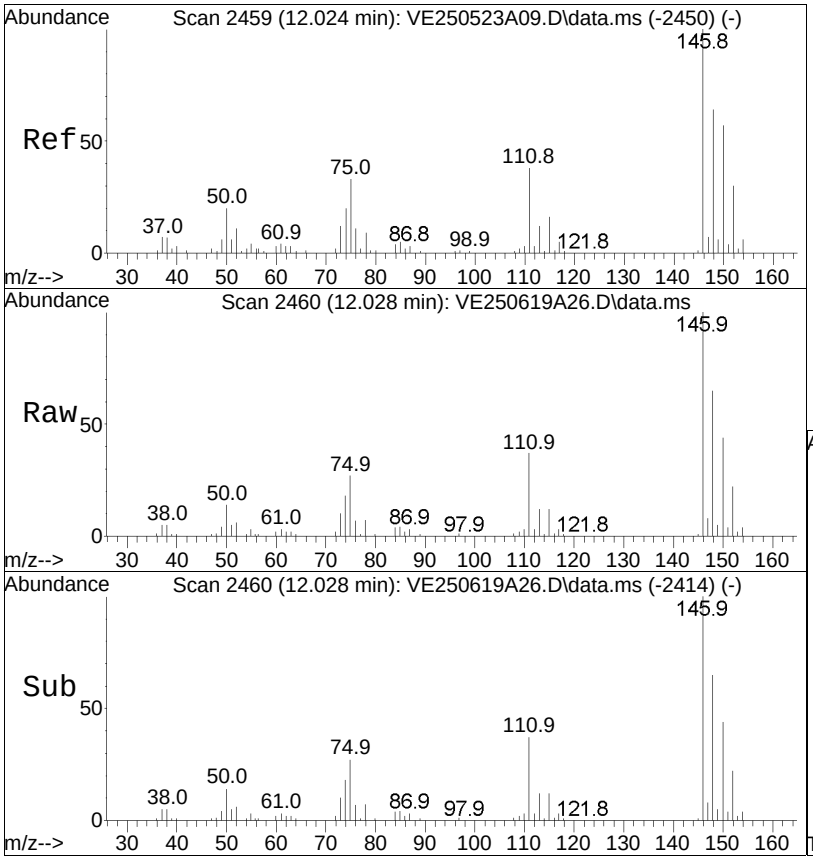


#105
1,3-Dichlorobenzene
Concen: 9.61 ug/L
RT: 11.931 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:146 Resp: 179311

Ion	Ratio	Lower	Upper
146	100		
111	35.9	26.0	54.0
148	64.3	42.1	87.5

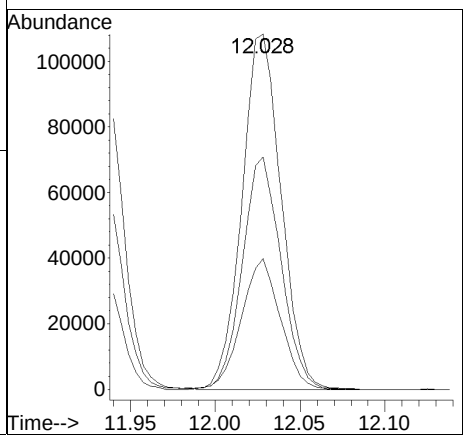


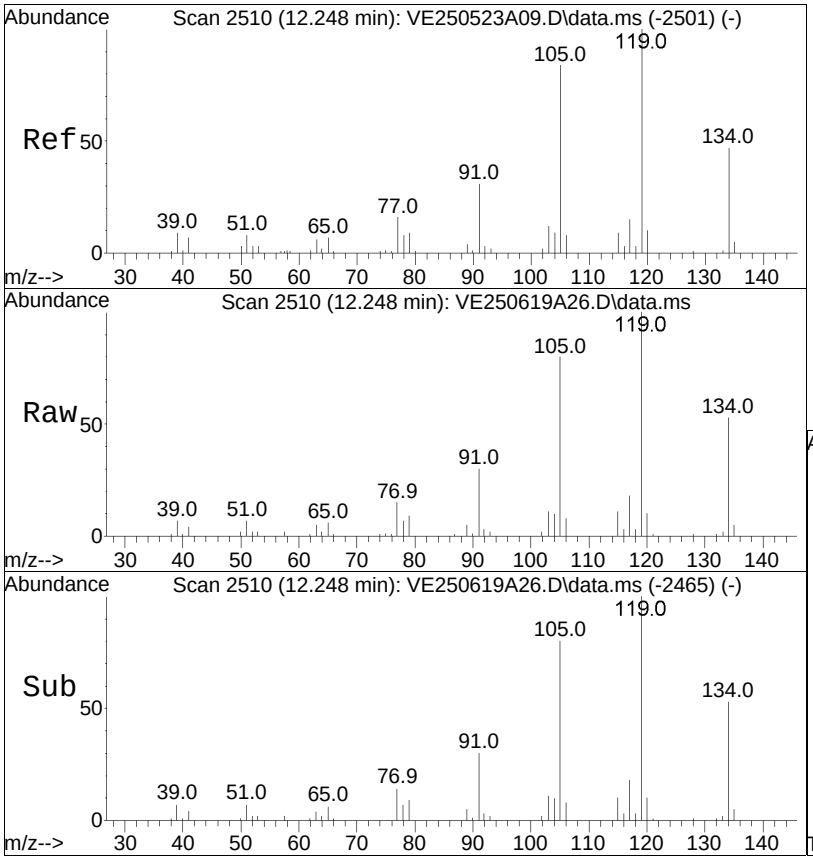


#106
1,4-Dichlorobenzene
Concen: 9.46 ug/L
RT: 12.028 min Scan# 2460
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:146 Resp: 174179

Ion	Ratio	Lower	Upper
146	100		
111	36.6	30.0	45.0
148	64.5	51.2	76.8

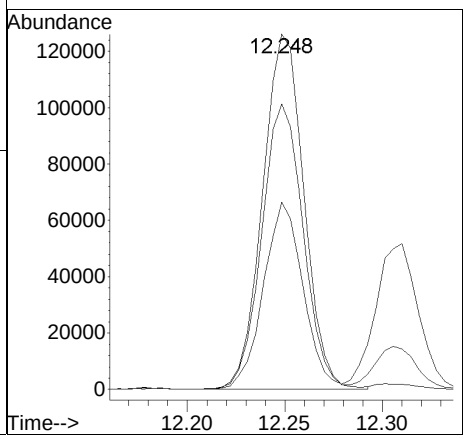


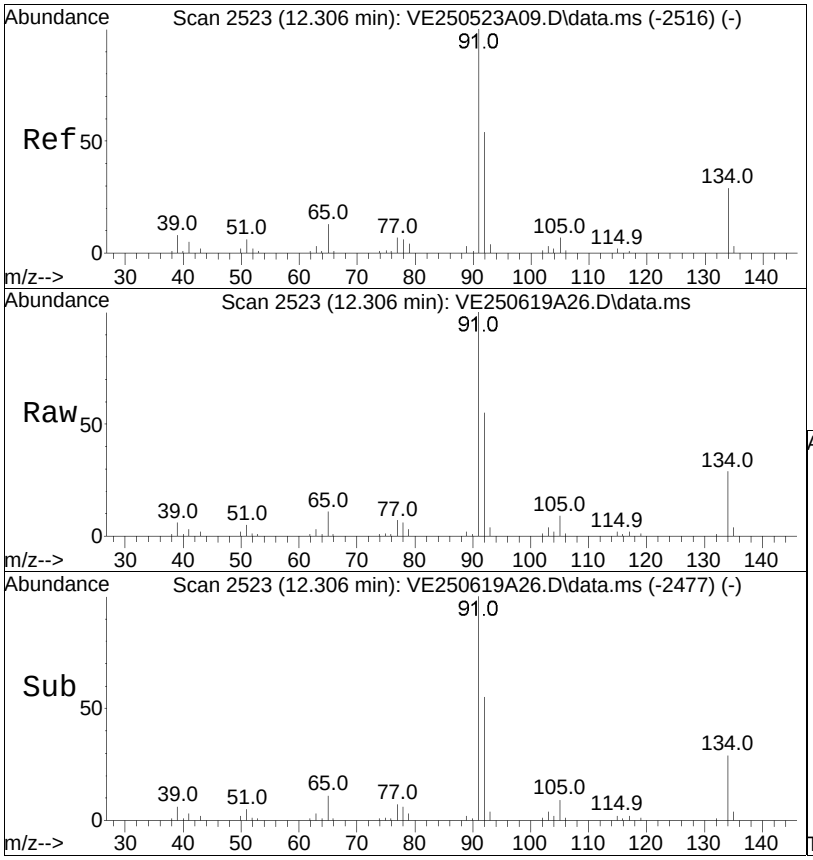


#107
p-Diethylbenzene
Concen: 8.62 ug/L
RT: 12.248 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:119 Resp: 185984

Ion	Ratio	Lower	Upper
119	100		
105	80.8	55.4	115.0
134	50.6	31.8	66.0

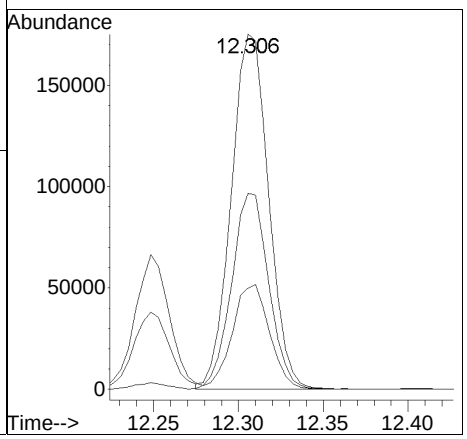


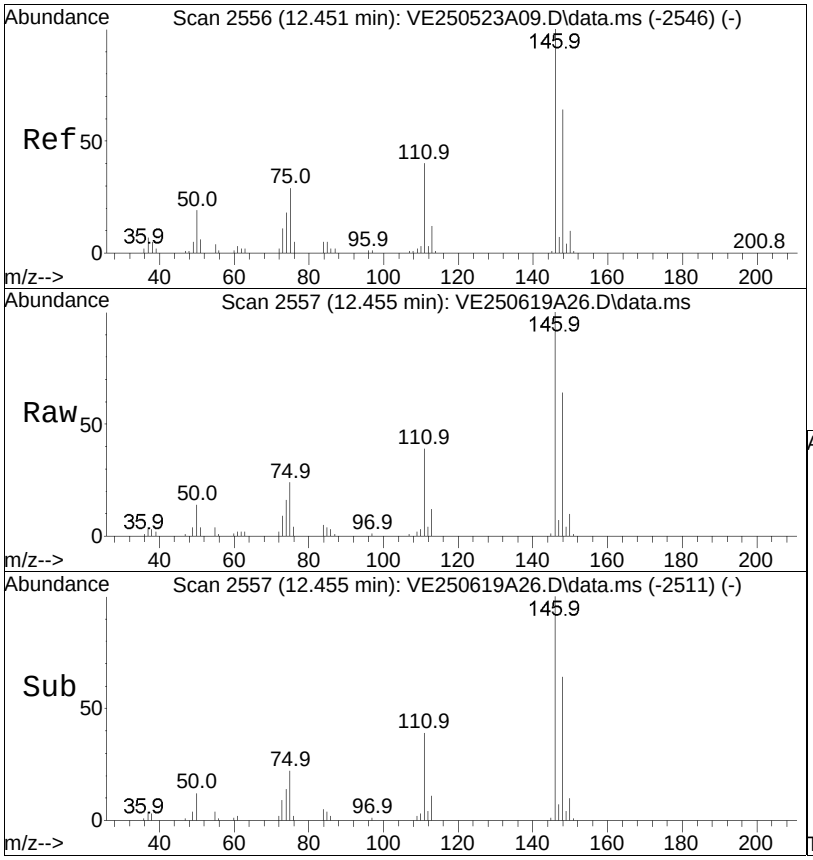


#108
n-Butylbenzene
Concen: 9.04 ug/L
RT: 12.306 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion: 91 Resp: 269004

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.1	64.7
134	29.4	21.7	32.5

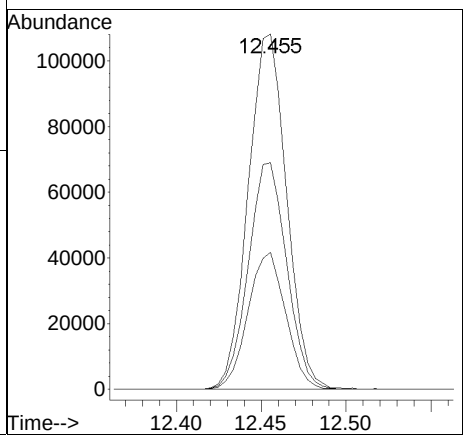


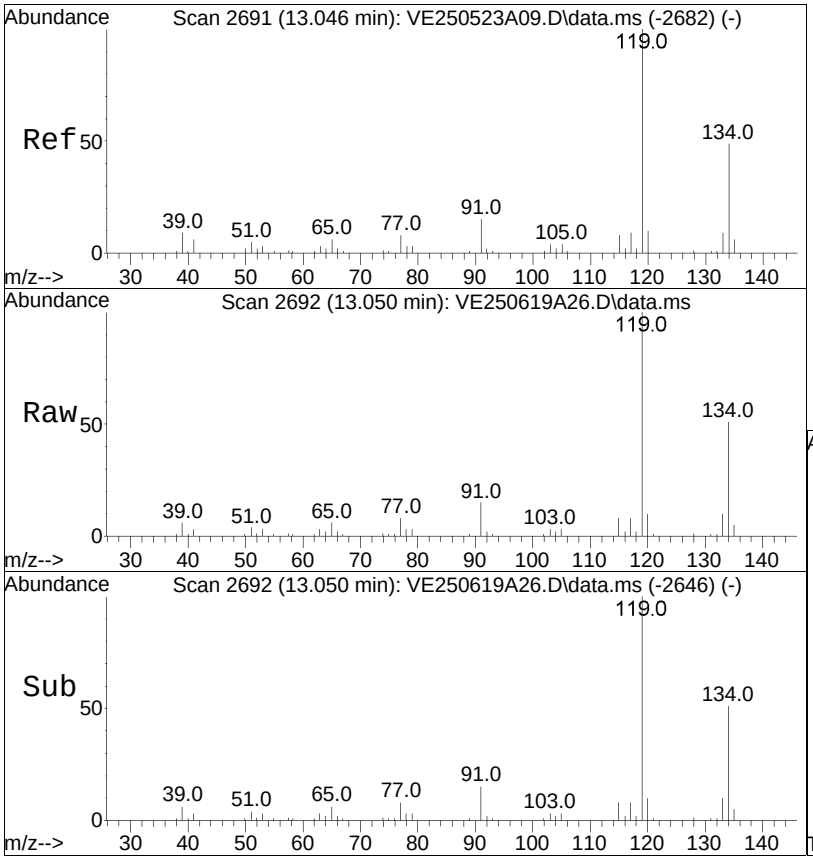


#109
1,2-Dichlorobenzene
Concen: 9.82 ug/L
RT: 12.455 min Scan# 2557
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:146 Resp: 170570

Ion	Ratio	Lower	Upper
146	100		
111	38.0	26.1	54.1
148	63.8	41.7	86.5

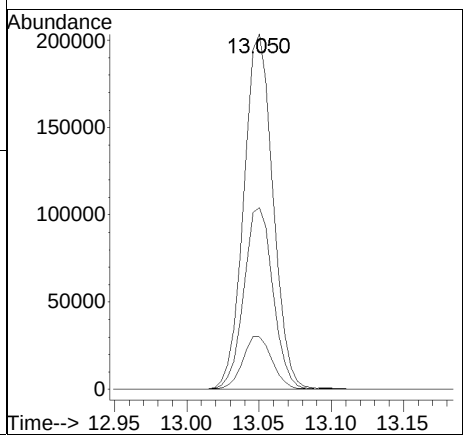


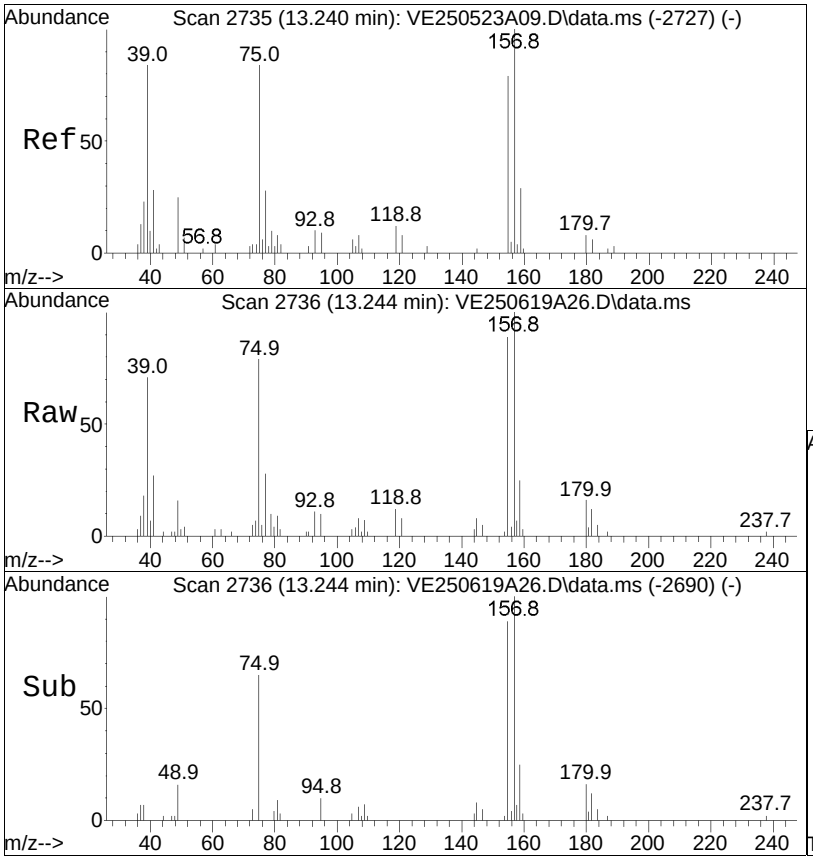


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.55 ug/L
RT: 13.050 min Scan# 2692
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:119 Resp: 287489

Ion	Ratio	Lower	Upper
119	100		
134	51.1	32.5	67.5
91	15.1	10.5	21.7

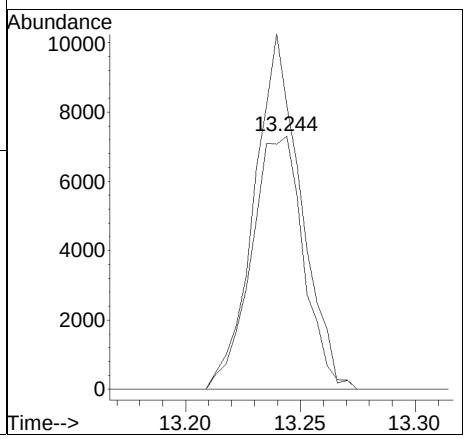


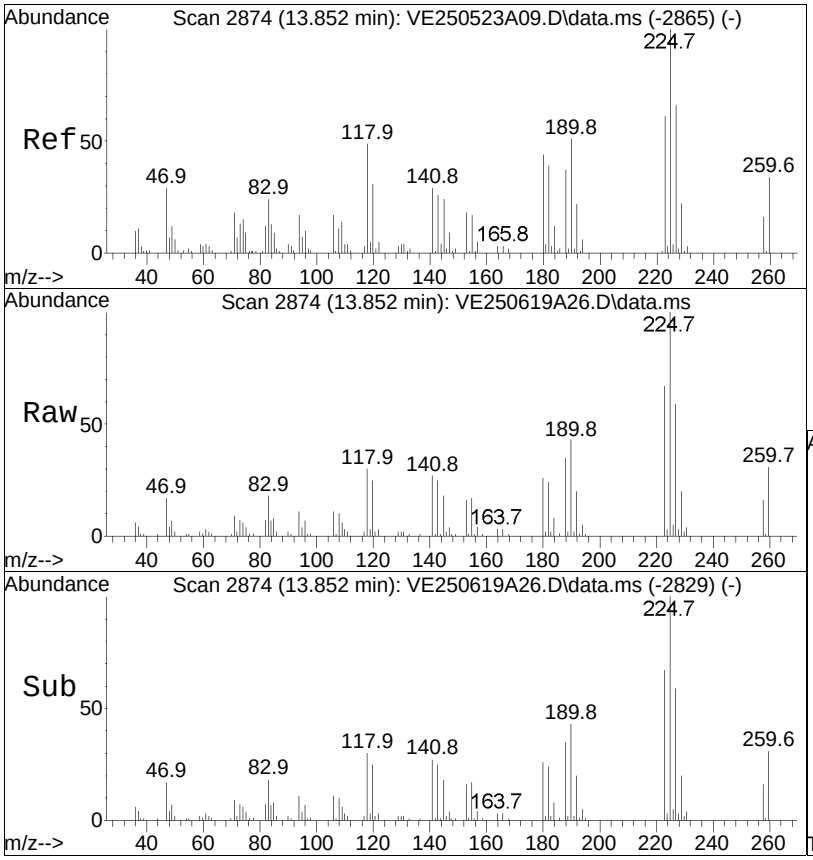


#111
1,2-Dibromo-3-chloropropane
Concen: 10.94 ug/L
RT: 13.244 min Scan# 2736
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:155 Resp: 11557

Ion	Ratio	Lower	Upper
155	100		
157	125.5	99.5	149.3

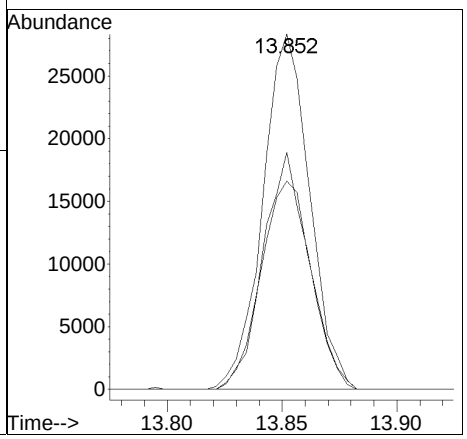


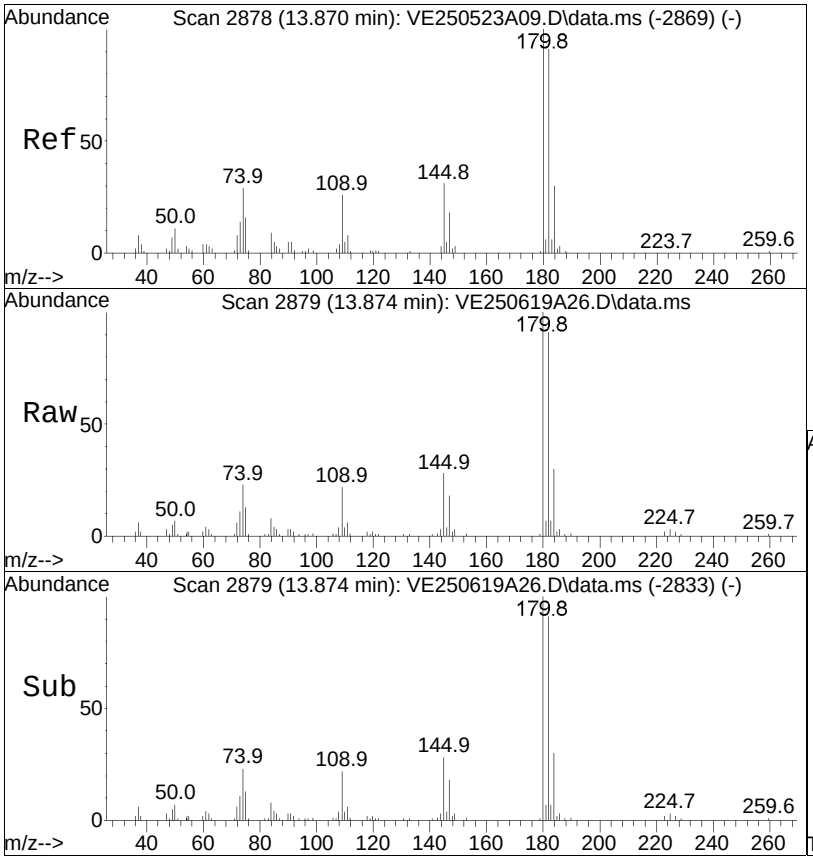


#113
Hexachlorobutadiene
Concen: 11.27 ug/L
RT: 13.852 min Scan# 2874
Delta R.T. -0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:225 Resp: 40331

Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.9	77.9
227	63.8	53.0	79.6

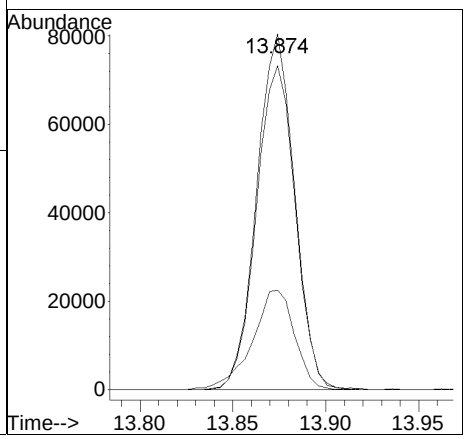


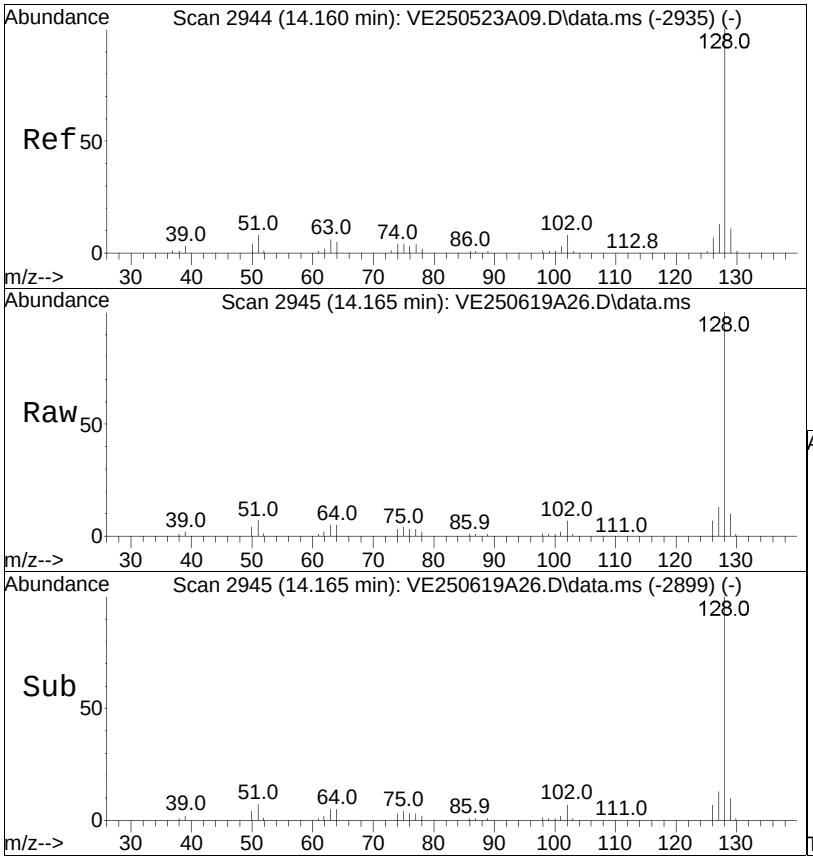


#114
1,2,4-Trichlorobenzene
Concen: 10.02 ug/L
RT: 13.874 min Scan# 2879
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:180 Resp: 113770

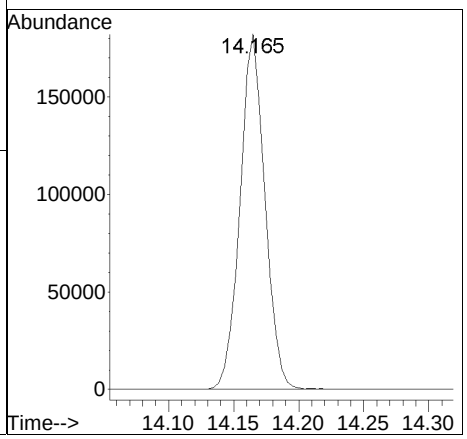
Ion	Ratio	Lower	Upper
180	100		
182	93.6	75.3	112.9
145	31.1	26.9	40.3

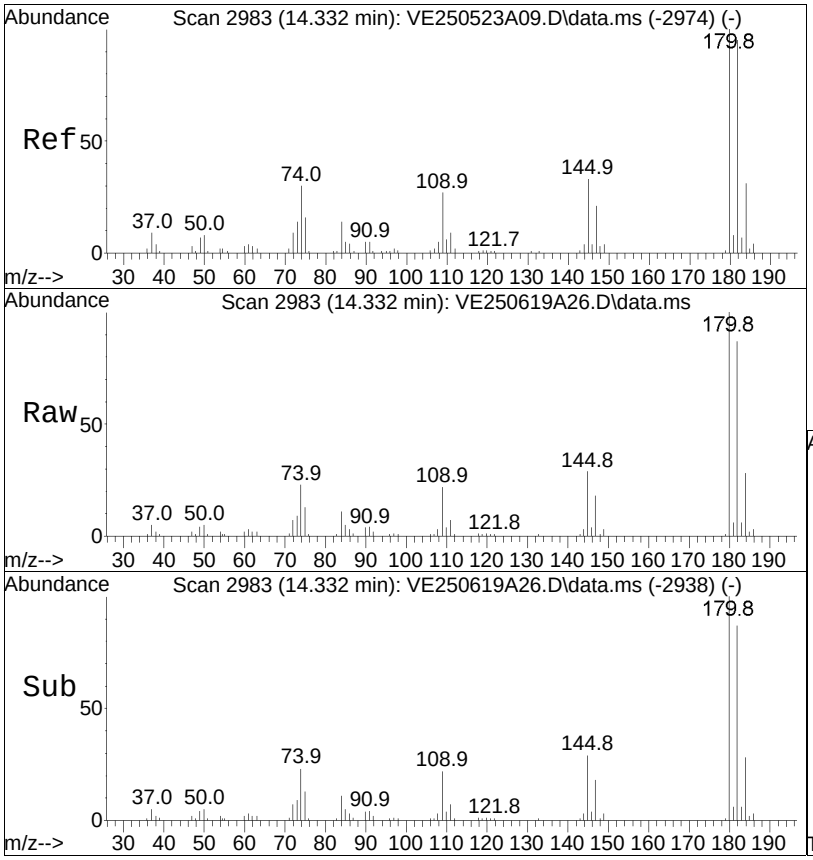




#115
Naphthalene
Concen: 9.16 ug/L
RT: 14.165 min Scan# 2945
Delta R.T. 0.004 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:128 Resp: 242707

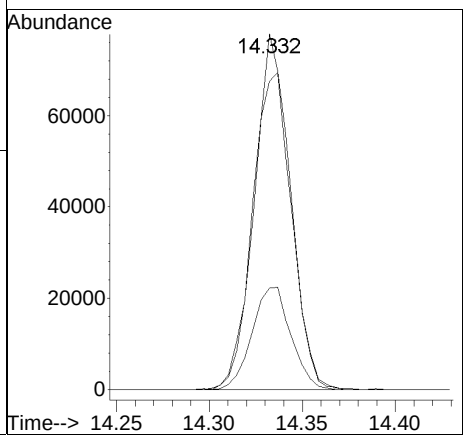




#116
1,2,3-Trichlorobenzene
Concen: 10.51 ug/L
RT: 14.332 min Scan# 2983
Delta R.T. 0.000 min
Lab File: VE250619A26.D
Acq: 19 Jun 2025 8:12 pm

Tgt Ion:180 Resp: 106973

Ion	Ratio	Lower	Upper
180	100		
182	93.8	75.8	113.6
145	30.3	25.8	38.8

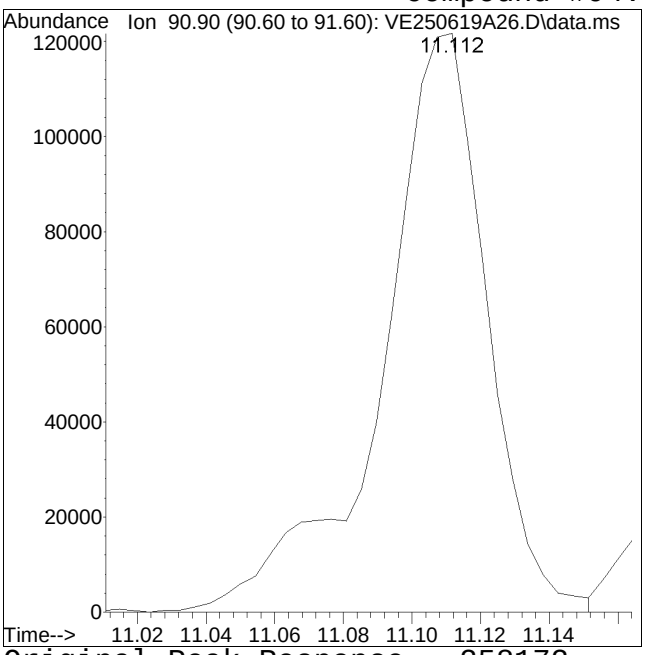


Manual Integration Report

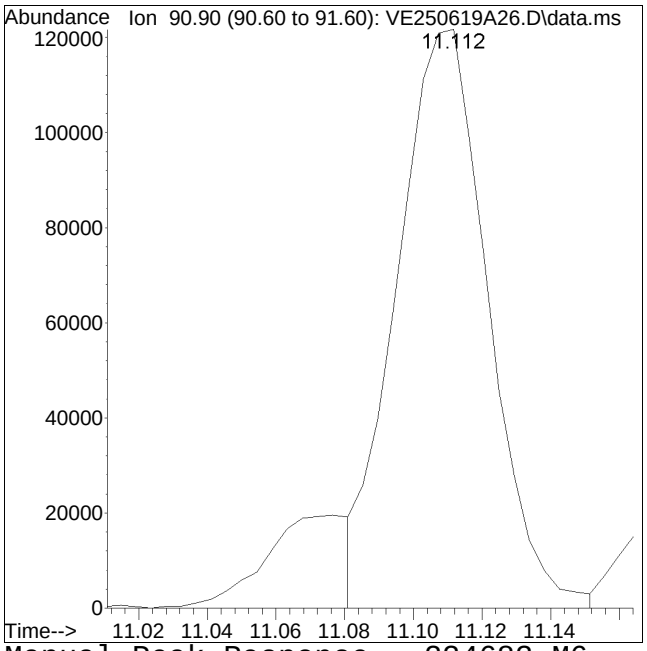
Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A26.D
Date Inj'd : 6/19/2025 8:12 pm
Sample : WG2081757-6,31,10,10,,A1

QMethod : Elaine_250523A_8260.m
Operator : ELAINE:mjv
Instrument : Elaine
Quant Date : 6/21/2025 8:14 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 258172



Manual Peak Response = 224683 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N22.D
Acq On : 20 Jun 2025 5:18 am
Operator : VOA101:MJV
Sample : WG2081999-6,31,10,10,,a1
Misc : WG2081999,ICAL22345
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 11:45:12 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.828	96	216985	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 95.25%			
59) Chlorobenzene-d5	9.337	117	165420	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 95.10%			
79) 1,4-Dichlorobenzene-d4	12.081	152	90828	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 94.96%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	58625	10.014	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.14%			
43) 1,2-Dichloroethane-d4	5.544	65	60261	10.250	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.50%			
60) Toluene-d8	7.502	98	213899	10.364	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.64%			
83) 4-Bromofluorobenzene	10.854	95	78817	10.026	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	43608	7.363	ug/L	99
3) Chloromethane	1.768	50	63645	8.989	ug/L	100
4) Vinyl chloride	1.838	62	71884	9.893	ug/L	99
5) Bromomethane	2.131	94	35367	7.040	ug/L	99
6) Chloroethane	2.242	64	65925	11.833	ug/L	99
7) Trichlorofluoromethane	2.376	101	108897	10.405	ug/L	99
8) Ethyl ether	2.658	74	32638	9.320	ug/L	85
10) 1,1-Dichloroethene	2.836	96	56895	8.883	ug/L	95
11) Carbon disulfide	2.867	76	136071	7.185	ug/L	99
15) Methylene chloride	3.374	84	52493	9.045	ug/L	91
17) Acetone	3.422	43	8280	9.115	ug/L	98
18) trans-1,2-Dichloroethene	3.525	96	53108	9.066	ug/L	100
20) Methyl tert-butyl ether	3.620	73	98931	7.410	ug/L #	93
23) 1,1-Dichloroethane	4.091	63	101575	9.682	ug/L	98
25) Acrylonitrile	4.141	53	9051	8.103	ug/L	94
27) Vinyl acetate	4.325	43	50778	6.839	ug/L #	93
28) cis-1,2-Dichloroethene	4.599	96	56245	8.810	ug/L	95
29) 2,2-Dichloropropane	4.696	77	44090	5.535	ug/L	89
30) Bromochloromethane	4.783	128	25867	9.010	ug/L	89
32) Chloroform	4.858	83	92838	9.396	ug/L	97

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N22.D
Acq On : 20 Jun 2025 5:18 am
Operator : VOA101:MJV
Sample : WG2081999-6,31,10,10,,a1
Misc : WG2081999,ICAL22345
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 11:45:12 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.986	117	70668	8.934	ug/L		99
37) 1,1,1-Trichloroethane	5.050	97	82914	9.466	ug/L		98
39) 2-Butanone	5.156	43	9125	7.397	ug/L		97
40) 1,1-Dichloropropene	5.170	75	65114	9.043	ug/L		99
41) Benzene	5.413	78	201829	9.298	ug/L		98
44) 1,2-Dichloroethane	5.617	62	59886	9.327	ug/L		78
48) Trichloroethene	6.010	95	55286	8.864	ug/L		98
50) Dibromomethane	6.442	93	25603	8.445	ug/L		93
51) 1,2-Dichloropropane	6.537	63	52990	9.119	ug/L		99
54) Bromodichloromethane	6.618	83	62889	8.286	ug/L		98
57) 1,4-Dioxane	6.832	88	9682	340.175	ug/L	#	84
58) cis-1,3-Dichloropropene	7.304	75	62078	7.116	ug/L		99
61) Toluene	7.560	92	127289	9.338	ug/L		98
62) 4-Methyl-2-pentanone	7.995	58	8604	7.382	ug/L		83
63) Tetrachloroethene	8.006	166	52940	8.710	ug/L		96
65) trans-1,3-Dichloropropene	8.048	75	49013	7.392	ug/L		95
68) 1,1,2-Trichloroethane	8.227	83	31060	9.254	ug/L		97
69) Chlorodibromomethane	8.441	129	42120	7.858	ug/L		98
70) 1,3-Dichloropropane	8.545	76	61942	9.284	ug/L		99
71) 1,2-Dibromoethane	8.709	107	33271	8.448	ug/L		98
72) 2-Hexanone	9.013	43	14284	7.317	ug/L	#	86
73) Chlorobenzene	9.359	112	143505	9.113	ug/L		98
74) Ethylbenzene	9.392	91	242218	9.210	ug/L		99
75) 1,1,1,2-Tetrachloroethane	9.443	131	49927	8.644	ug/L		97
76) p/m Xylene	9.579	106	186331	17.569	ug/L		95
77) o Xylene	10.126	106	185099	17.792	ug/L		97
78) Styrene	10.198	104	270131	16.251	ug/L		98
80) Bromoform	10.223	173	21103	6.510	ug/L		98
82) Isopropylbenzene	10.519	105	231697	8.917	ug/L		99
84) Bromobenzene	10.965	156	57051	8.997	ug/L		98
85) n-Propylbenzene	11.013	91	266980	9.025	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.107	83	41621	9.129	ug/L		99
88) 4-Ethyltoluene	11.141	105	220527	8.861	ug/L		99
89) 2-Chlorotoluene	11.180	91	159456	9.073	ug/L		99
90) 1,3,5-Trimethylbenzene	11.238	105	188012	8.851	ug/L		99
91) 1,2,3-Trichloropropane	11.241	75	29827	8.517	ug/L	#	81
92) trans-1,4-Dichloro-2-b...	11.297	53	6430	6.130	ug/L	#	73
93) 4-Chlorotoluene	11.367	91	159341	8.963	ug/L		100
94) tert-Butylbenzene	11.584	119	156219	8.697	ug/L		99

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N22.D
Acq On : 20 Jun 2025 5:18 am
Operator : VOA101:MJV
Sample : WG2081999-6,31,10,10,,a1
Misc : WG2081999,ICAL22345
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 11:45:12 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	1,2,4-Trimethylbenzene	11.665	105	179347	8.755	ug/L	99
98)	sec-Butylbenzene	11.777	105	218672	8.591	ug/L	99
99)	p-Isopropyltoluene	11.936	119	183775	8.442	ug/L	99
100)	1,3-Dichlorobenzene	12.003	146	105351	9.030	ug/L	99
101)	1,4-Dichlorobenzene	12.095	146	104433	8.701	ug/L	98
102)	p-Diethylbenzene	12.312	119	100158	8.070	ug/L	98
103)	n-Butylbenzene	12.371	91	145254	8.419	ug/L	98
104)	1,2-Dichlorobenzene	12.521	146	93007	8.990	ug/L	99
105)	1,2,4,5-Tetramethylben...	13.115	119	132752	7.587	ug/L	99
106)	1,2-Dibromo-3-chloropr...	13.313	155	3973	6.205	ug/L	98
108)	Hexachlorobutadiene	13.918	225	17411	6.847	ug/L	99
109)	1,2,4-Trichlorobenzene	13.943	180	40073	7.158	ug/L	99
110)	Naphthalene	14.236	128	69164	6.835	ug/L	100
111)	1,2,3-Trichlorobenzene	14.404	180	30834	7.206	ug/L	99

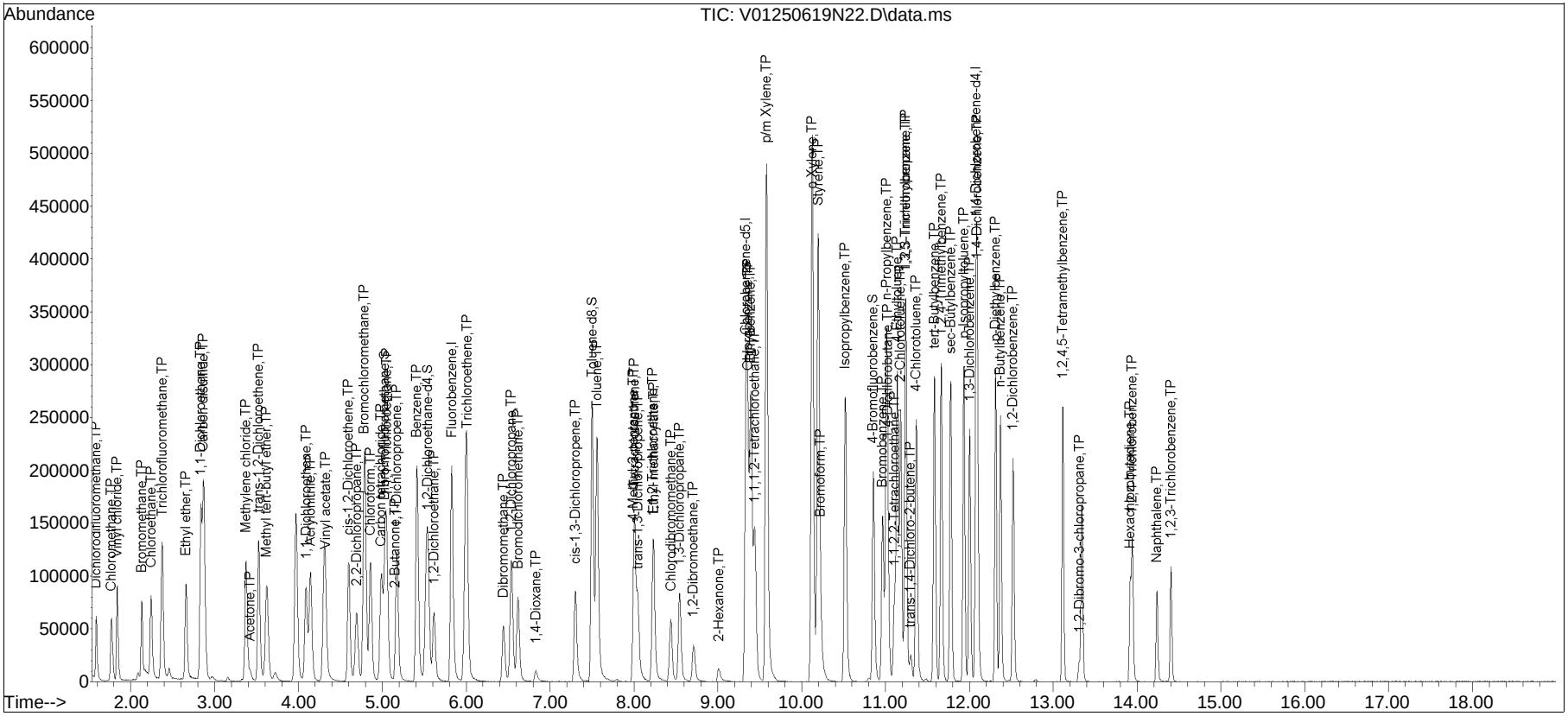
(#) = qualifier out of range (m) = manual integration (+) = signals summed

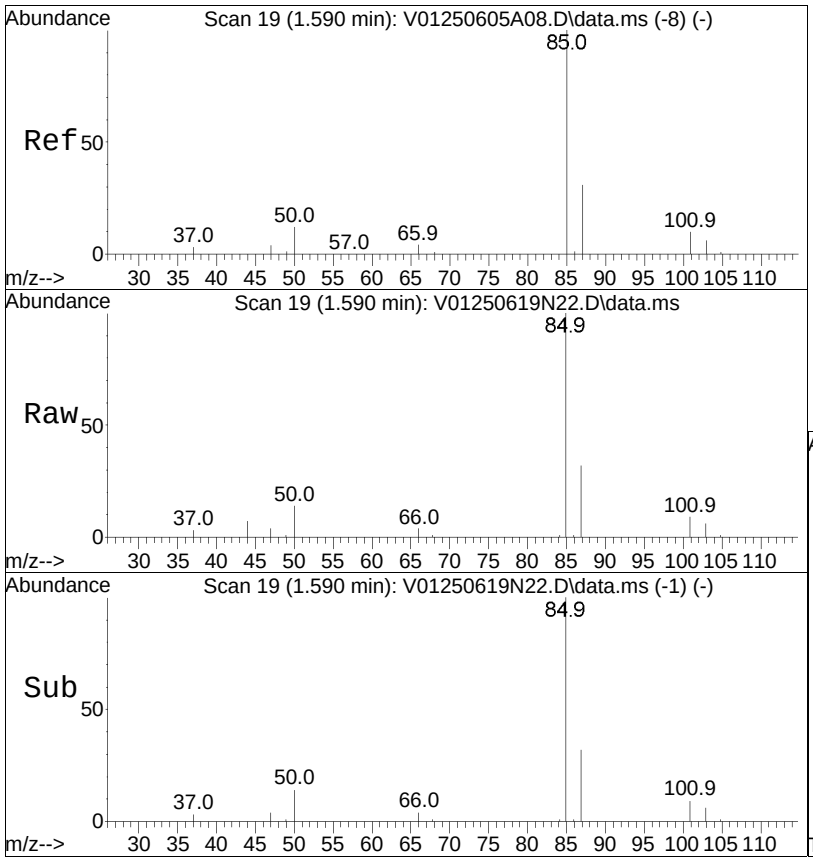
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N22.D
Acq On : 20 Jun 2025 5:18 am
Operator : VOA101:MJV
Sample : WG2081999-6,31,10,10,,a1
Misc : WG2081999,ICAL22345
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 11:45:12 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

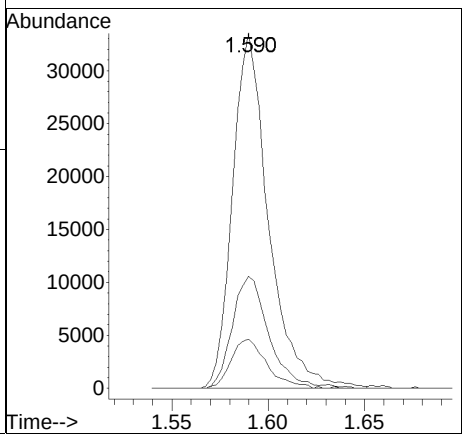


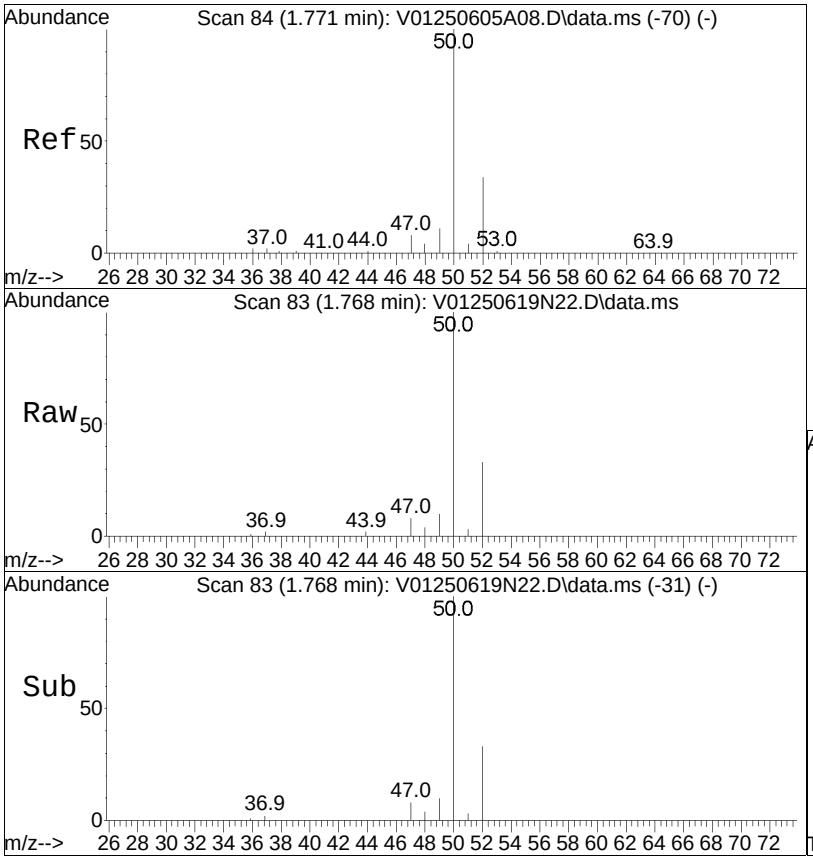


#2
Dichlorodifluoromethane
Concen: 7.36 ug/L
RT: 1.590 min Scan# 19
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 85 Resp: 43608

Ion	Ratio	Lower	Upper
85	100		
87	31.8	20.7	43.1
50	13.9	8.3	17.3

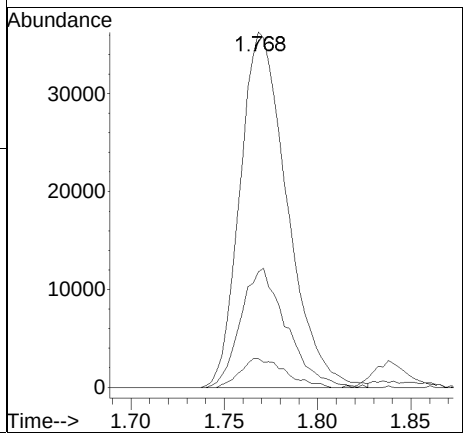


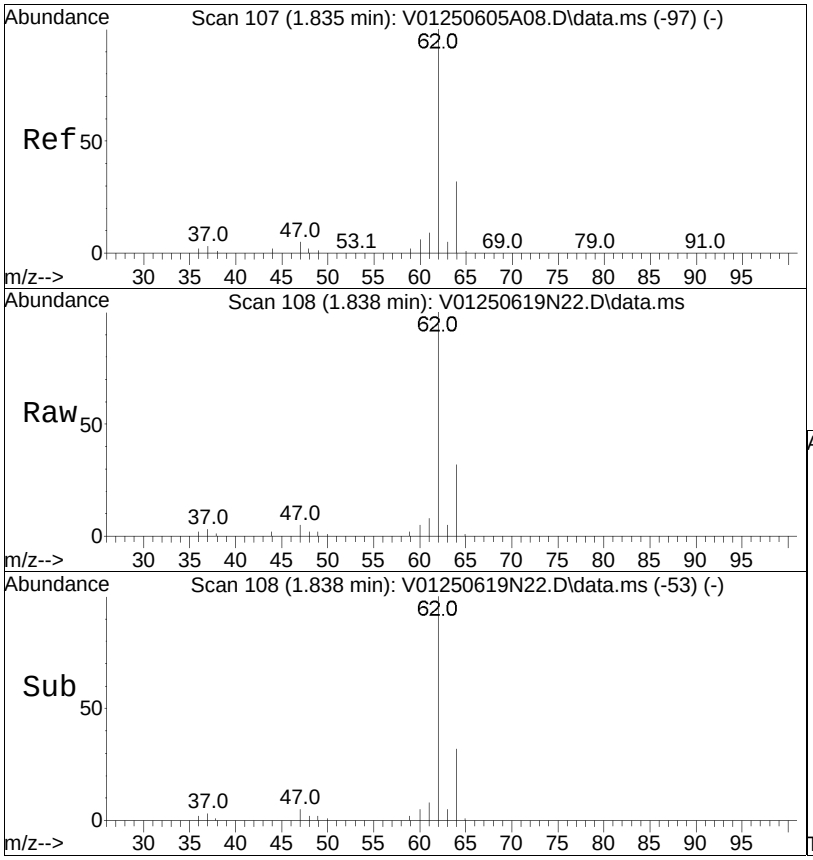


#3
Chloromethane
Concen: 8.99 ug/L
RT: 1.768 min Scan# 83
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 50 Resp: 63645

Ion	Ratio	Lower	Upper
50	100		
52	32.6	12.6	52.6
47	7.8	0.0	28.1

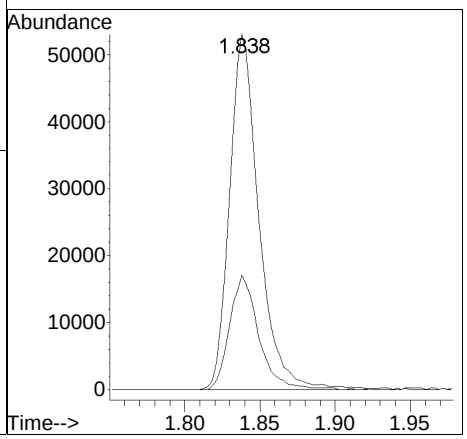


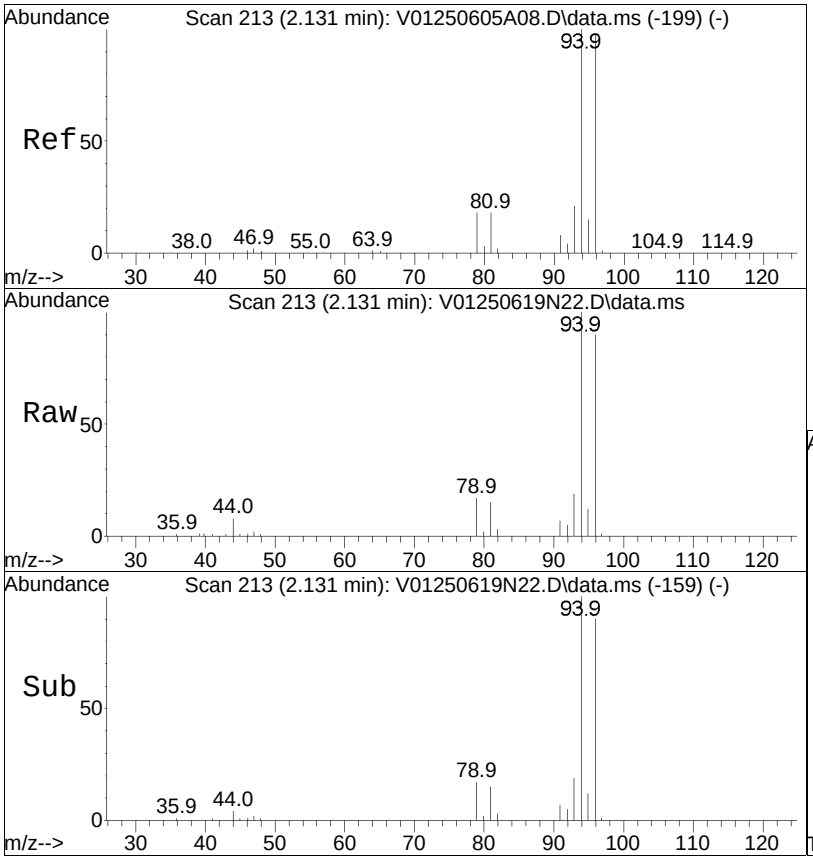


#4
Vinyl chloride
Concen: 9.89 ug/L
RT: 1.838 min Scan# 108
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 62 Resp: 71884

Ion	Ratio	Lower	Upper
62	100		
64	31.8	12.4	52.4

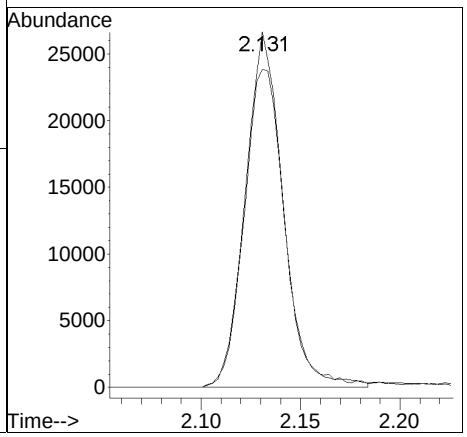


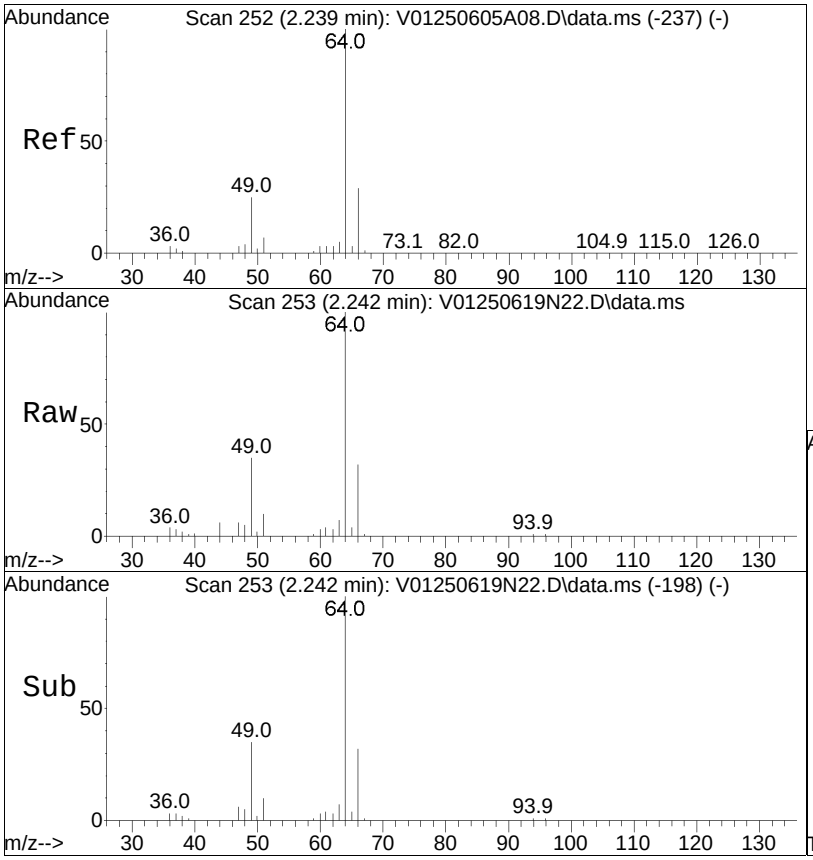


#5
Bromomethane
Concen: 7.04 ug/L
RT: 2.131 min Scan# 213
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 94 Resp: 35367

Ion	Ratio	Lower	Upper
94	100		
96	95.2	76.1	116.1

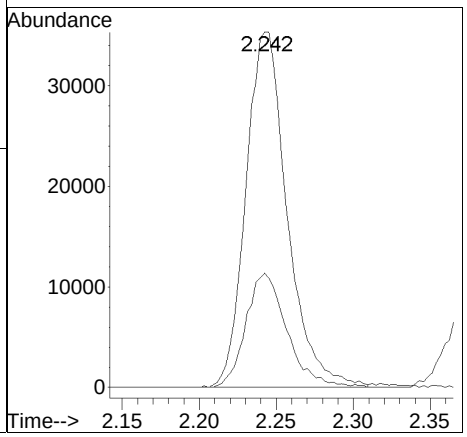


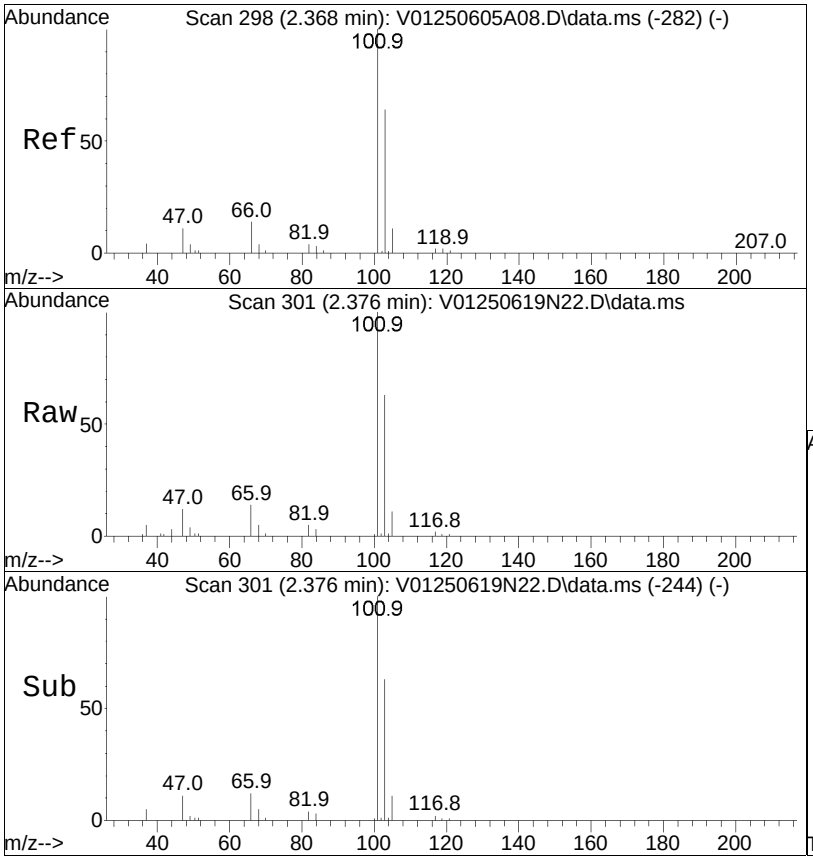


#6
Chloroethane
Concen: 11.83 ug/L
RT: 2.242 min Scan# 253
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 64 Resp: 65925

Ion	Ratio	Lower	Upper
64	100		
66	31.8	11.5	51.5

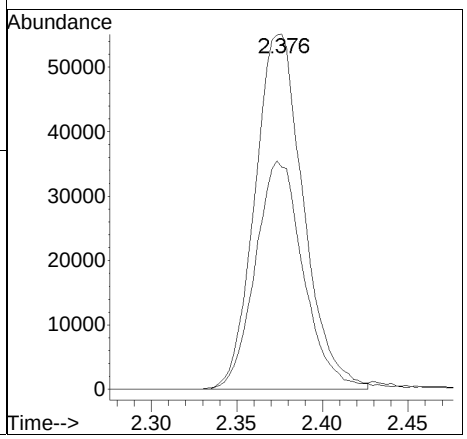


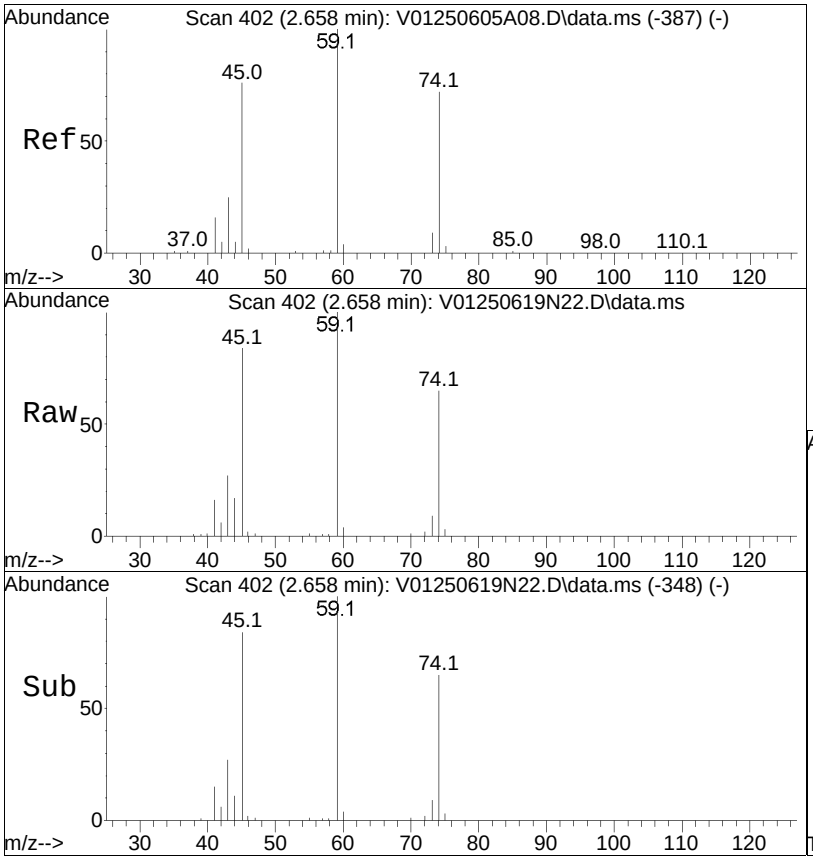


#7
Trichlorofluoromethane
Concen: 10.40 ug/L
RT: 2.376 min Scan# 301
Delta R.T. 0.008 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:101 Resp: 108897

Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.2

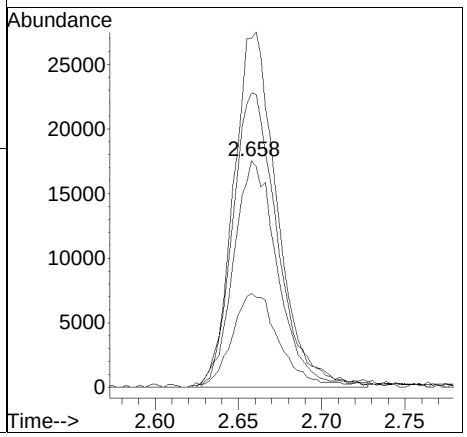


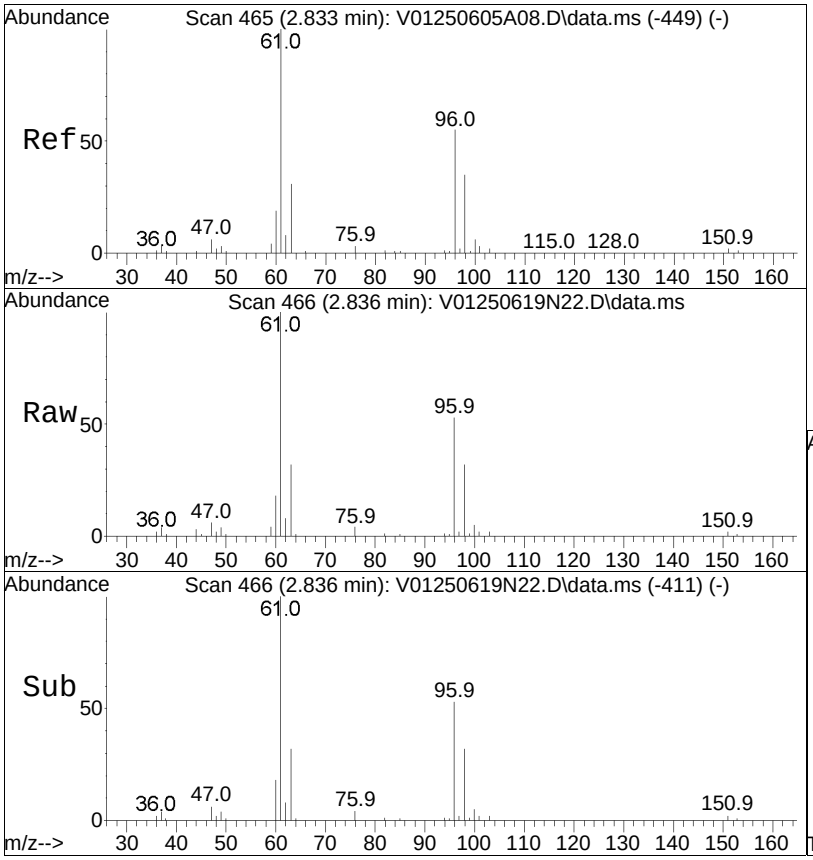


#8
Ethyl ether
Concen: 9.32 ug/L
RT: 2.658 min Scan# 402
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 74 Resp: 32638

Ion	Ratio	Lower	Upper
74	100		
59	153.5	93.0	193.2
45	131.4	69.7	144.7
43	44.3	21.6	44.8

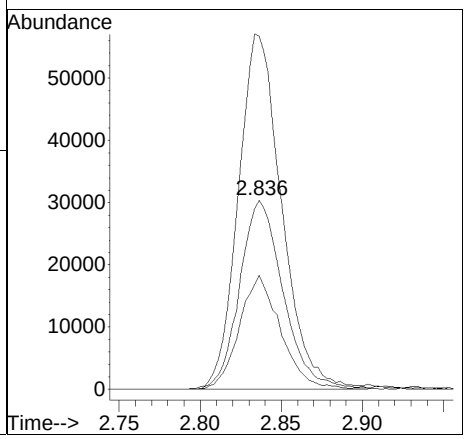


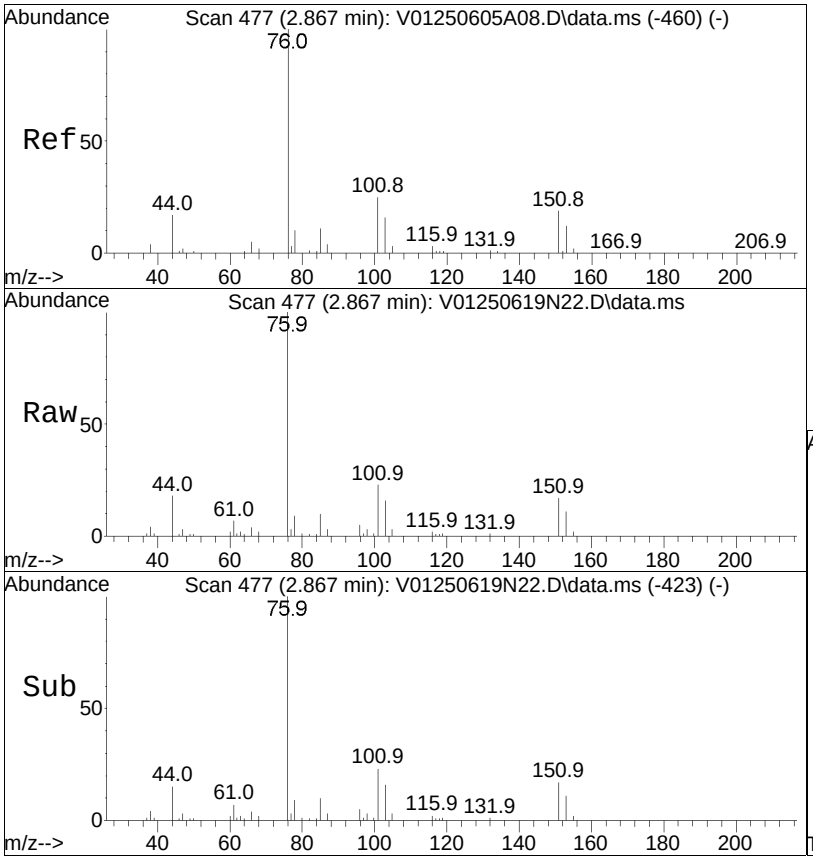


#10
1,1-Dichloroethene
Concen: 8.88 ug/L
RT: 2.836 min Scan# 466
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 96 Resp: 56895

Ion	Ratio	Lower	Upper
96	100		
61	186.8	142.6	214.0
63	57.1	45.5	68.3

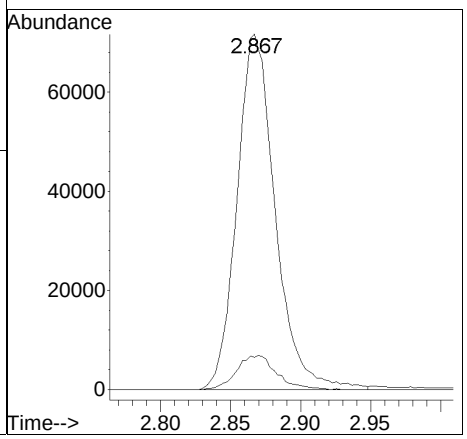


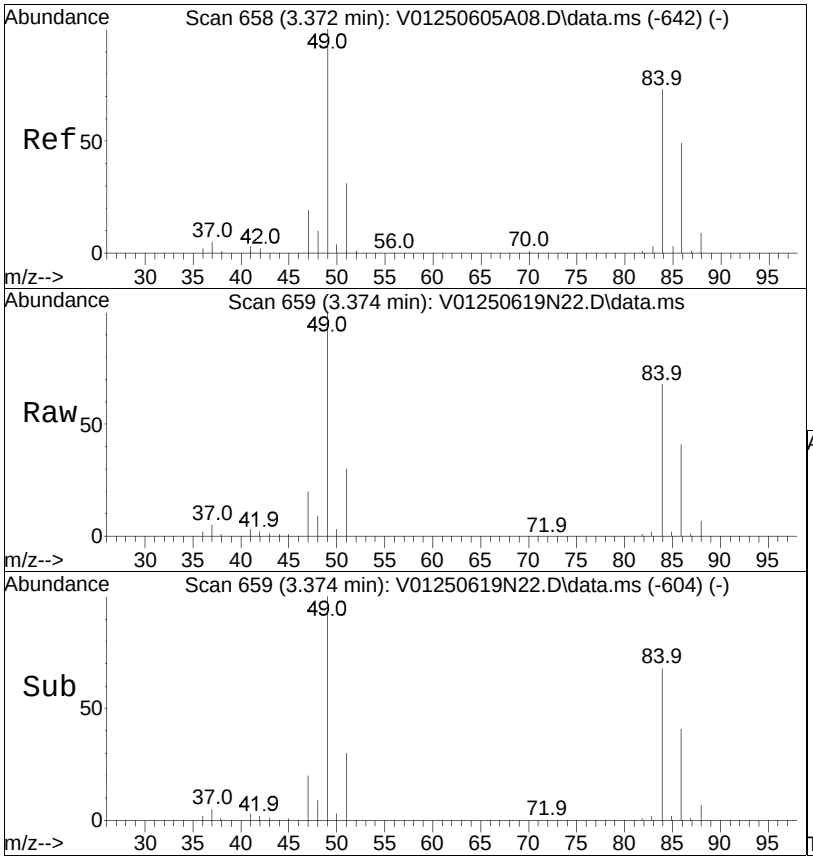


#11
Carbon disulfide
Concen: 7.19 ug/L
RT: 2.867 min Scan# 477
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 76 Resp: 136071

Ion	Ratio	Lower	Upper
76	100		
78	9.9	6.6	13.8

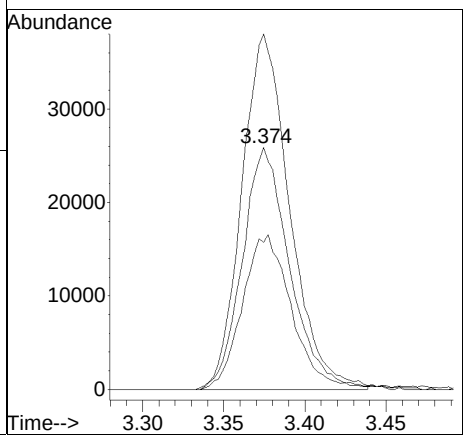


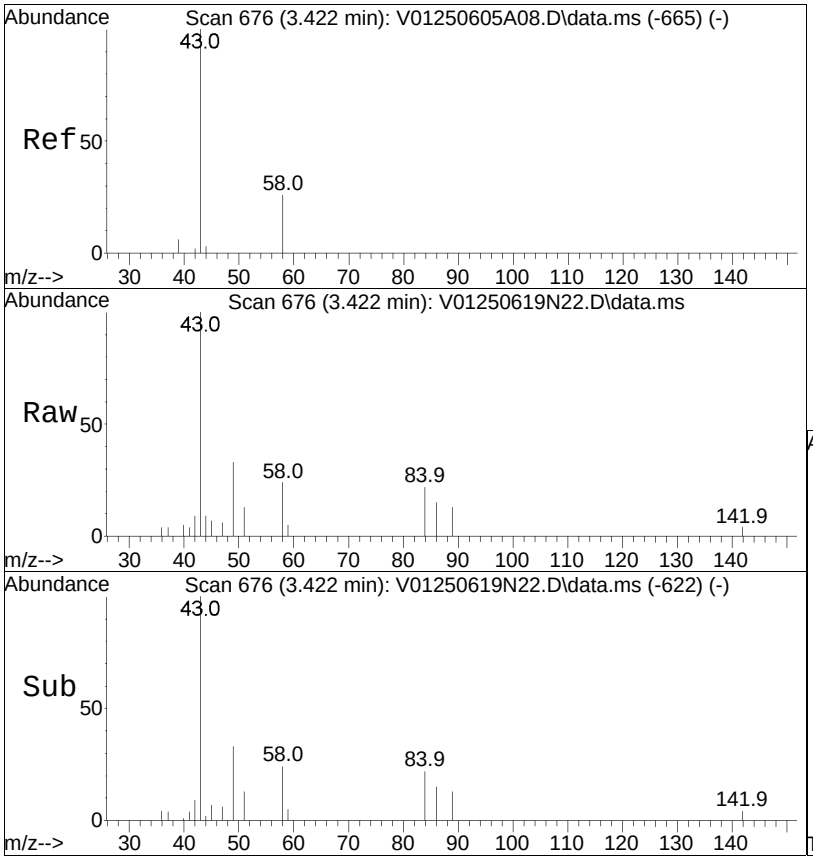


#15
Methylene chloride
Concen: 9.05 ug/L
RT: 3.374 min Scan# 659
Delta R.T. 0.002 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 84 Resp: 52493

Ion	Ratio	Lower	Upper
84	100		
86	66.2	42.3	87.8
49	149.6	87.1	180.9

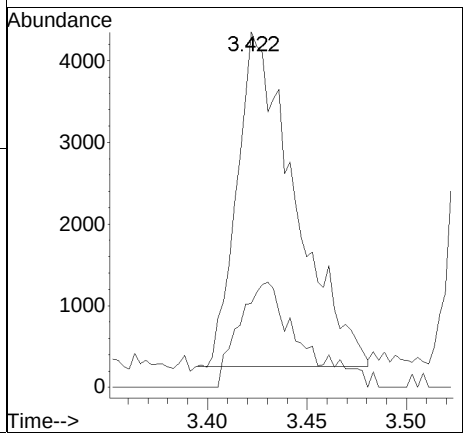


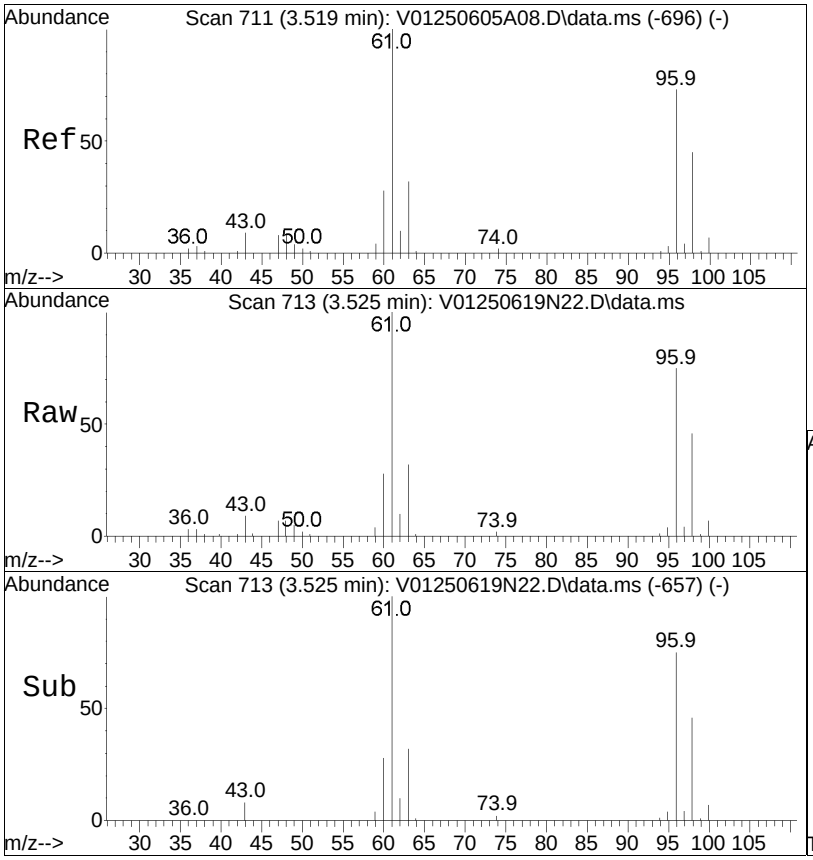


#17
Acetone
Concen: 9.11 ug/L
RT: 3.422 min Scan# 676
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 43 Resp: 8280

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.0	36.0

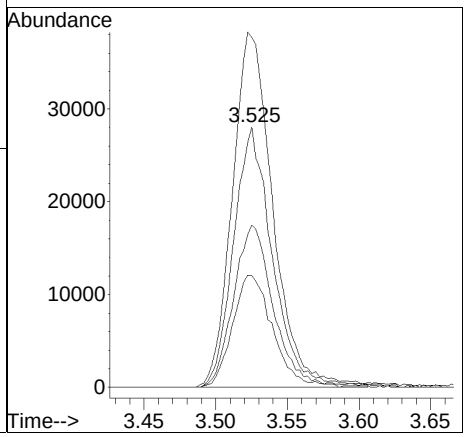


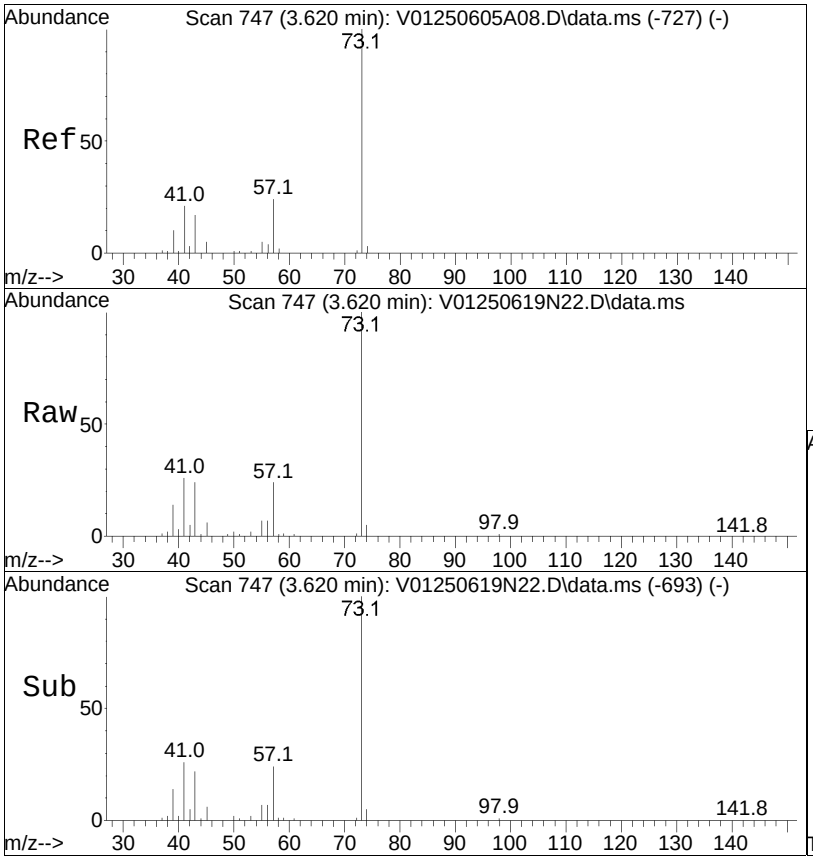


#18
trans-1,2-Dichloroethene
Concen: 9.07 ug/L
RT: 3.525 min Scan# 713
Delta R.T. 0.006 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 96 Resp: 53108

Ion	Ratio	Lower	Upper
96	100		
61	142.0	92.2	191.6
98	63.1	41.5	86.3
63	44.5	28.9	60.1

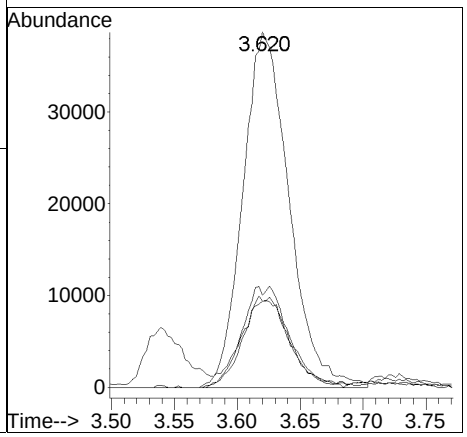


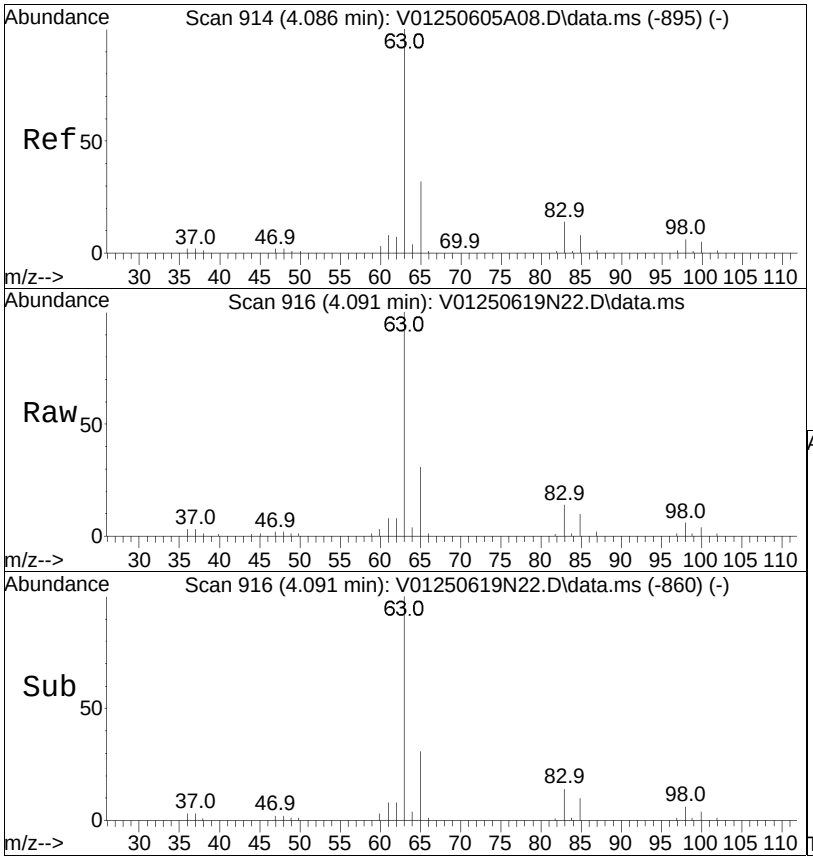


#20
Methyl tert-butyl ether
Concen: 7.41 ug/L
RT: 3.620 min Scan# 747
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 73 Resp: 98931

Ion	Ratio	Lower	Upper
73	100		
57	25.2	15.7	32.5
43	24.0	14.4	29.8
41	13.5	13.8	28.6#

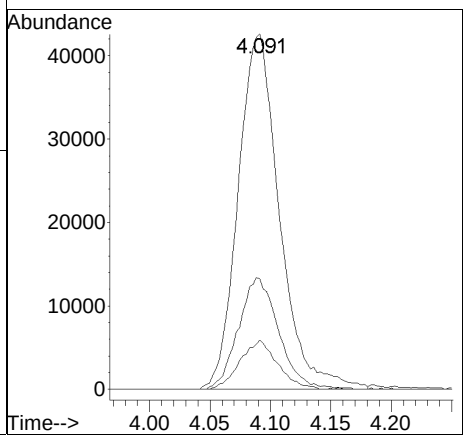


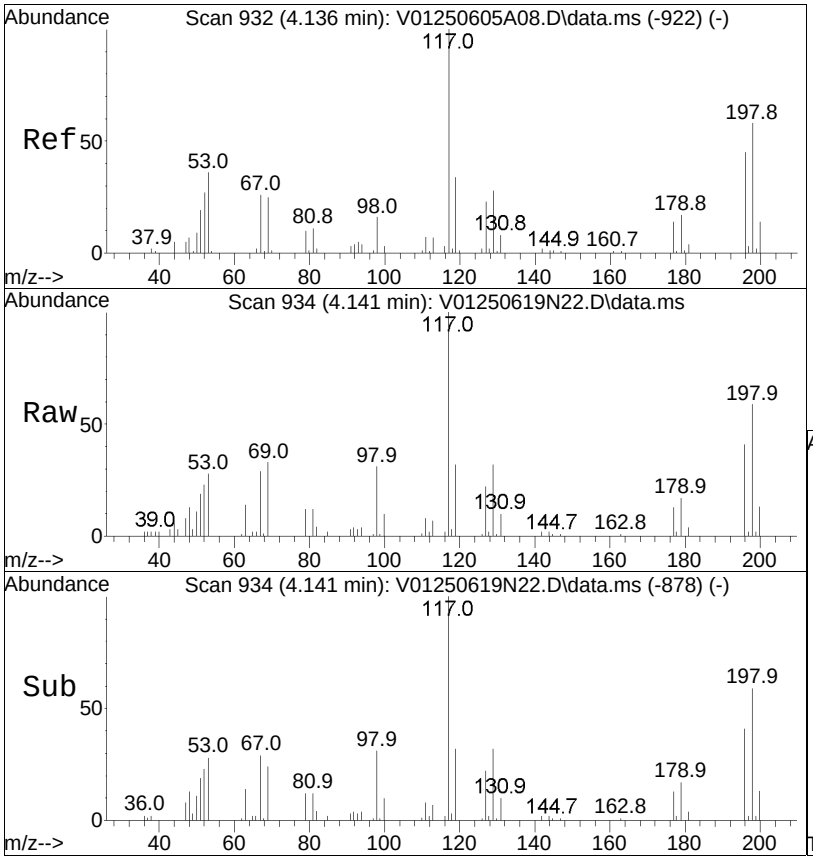


#23
1,1-Dichloroethane
Concen: 9.68 ug/L
RT: 4.091 min Scan# 916
Delta R.T. 0.005 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 63 Resp: 101575

Ion	Ratio	Lower	Upper
63	100		
65	30.6	11.6	51.6
83	12.6	0.0	33.3

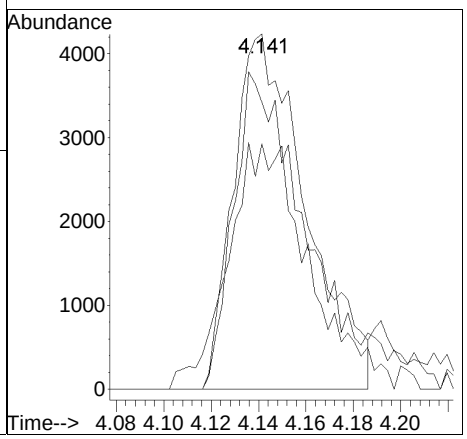


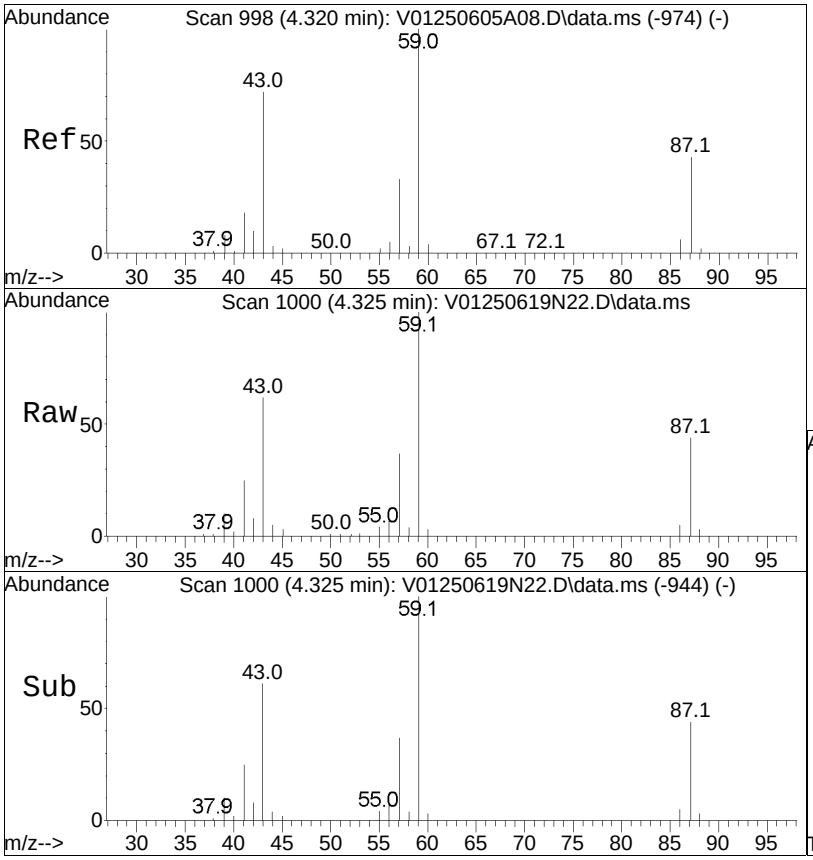


#25
Acrylonitrile
Concen: 8.10 ug/L
RT: 4.141 min Scan# 934
Delta R.T. 0.005 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 53 Resp: 9051

Ion	Ratio	Lower	Upper
53	100		
52	85.0	68.2	102.4
51	76.3	52.3	78.5

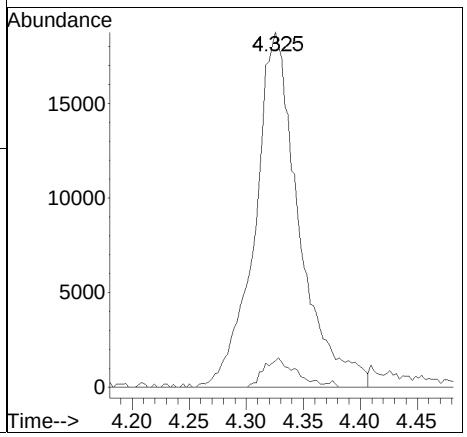


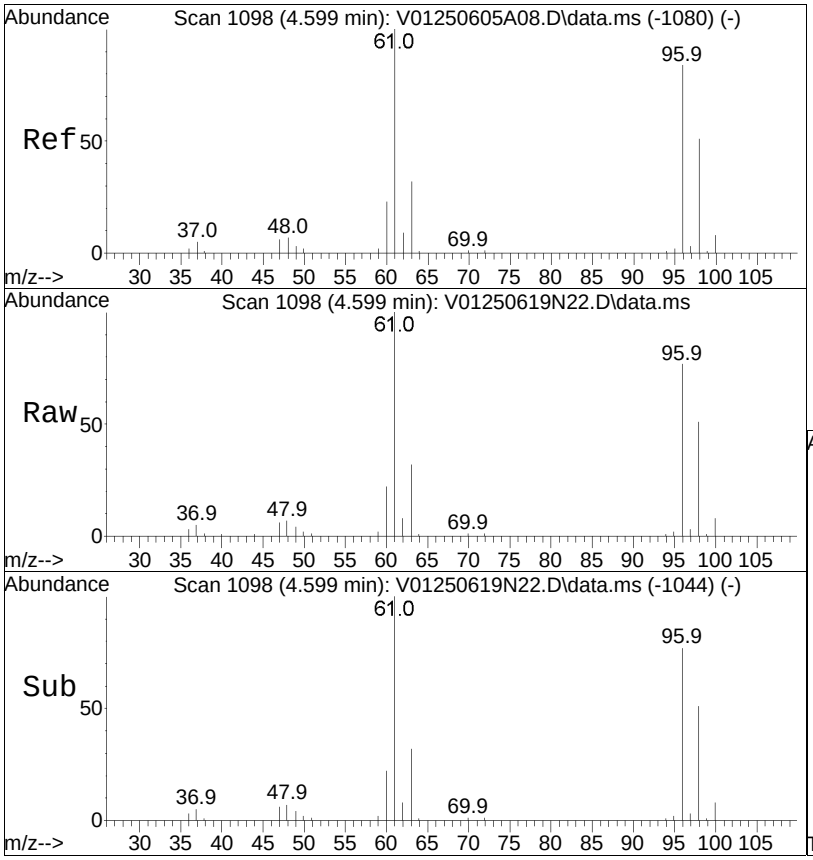


#27
Vinyl acetate
Concen: 6.84 ug/L
RT: 4.325 min Scan# 1000
Delta R.T. 0.005 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 43 Resp: 50778

Ion	Ratio	Lower	Upper
43	100		
86	5.9	6.8	10.2#

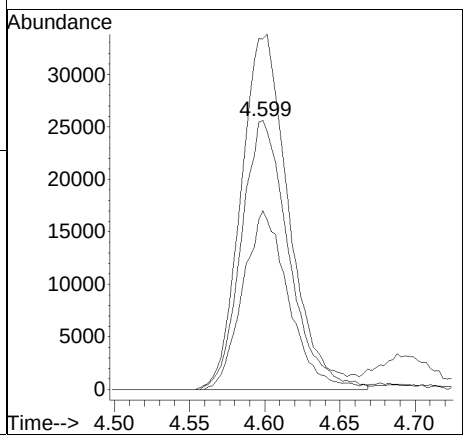


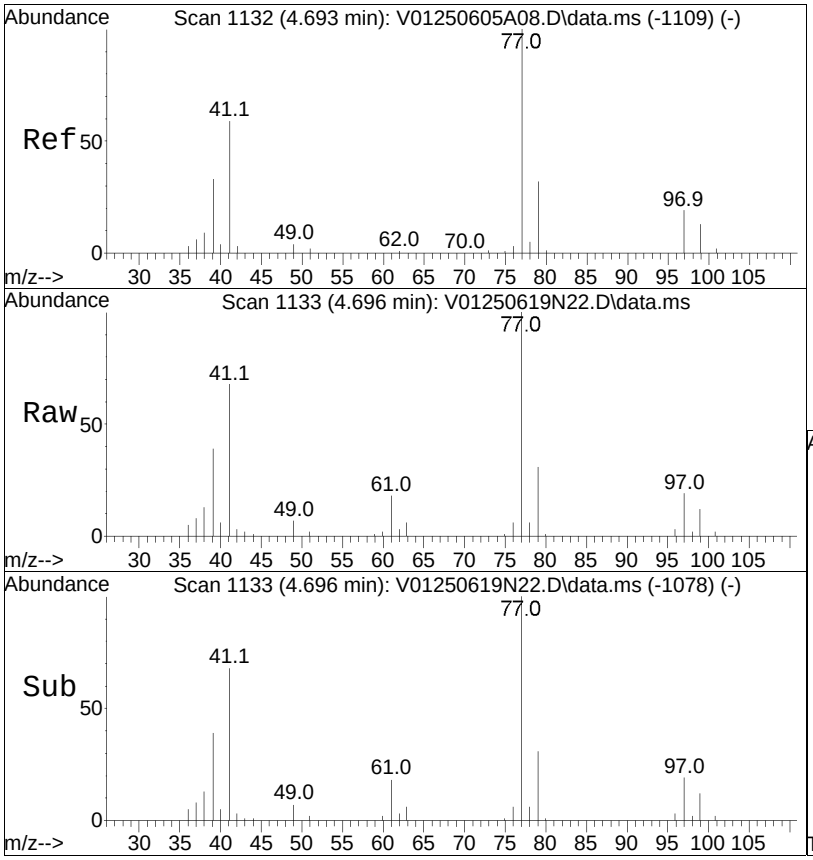


#28
cis-1,2-Dichloroethene
Concen: 8.81 ug/L
RT: 4.599 min Scan# 1098
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 96 Resp: 56245

Ion	Ratio	Lower	Upper
96	100		
61	132.2	99.3	148.9
98	64.5	50.5	75.7

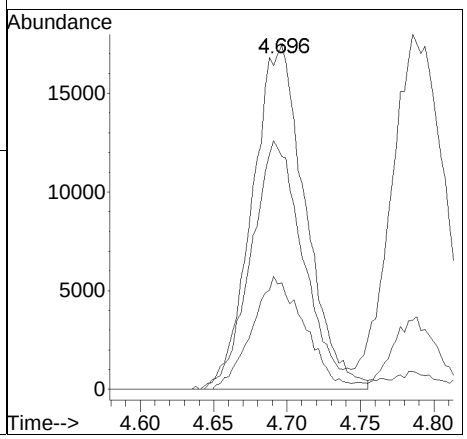


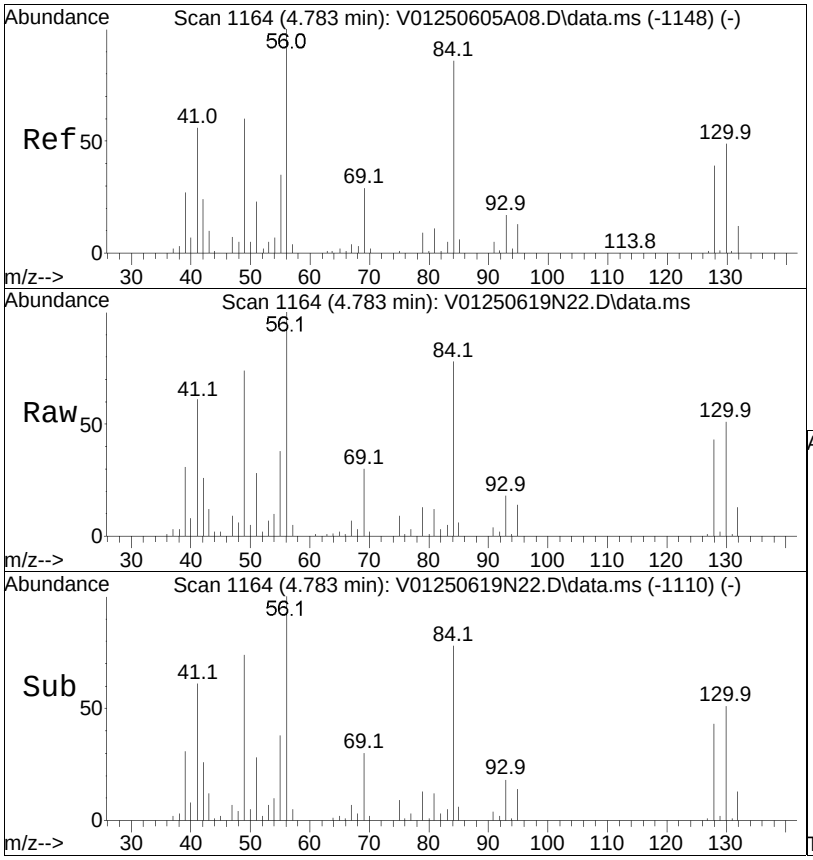


#29
2,2-Dichloropropane
Concen: 5.54 ug/L
RT: 4.696 min Scan# 1133
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 77 Resp: 44090

Ion	Ratio	Lower	Upper
77	100		
41	70.4	37.4	77.8
79	32.2	21.3	44.1

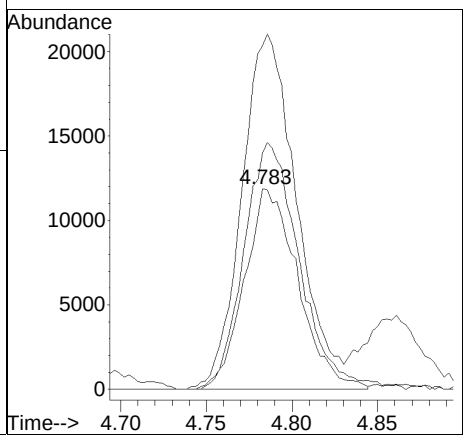


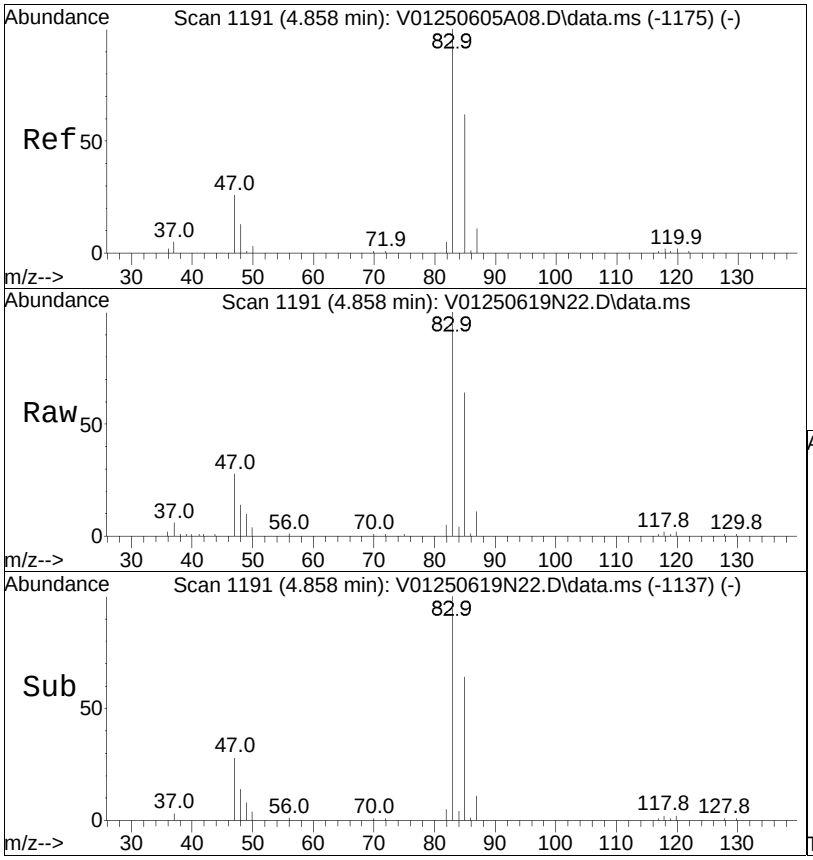


#30
Bromochloromethane
Concen: 9.01 ug/L
RT: 4.783 min Scan# 1164
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:128 Resp: 25867

Ion	Ratio	Lower	Upper
128	100		
49	180.9	125.2	187.8
130	127.7	103.0	154.6

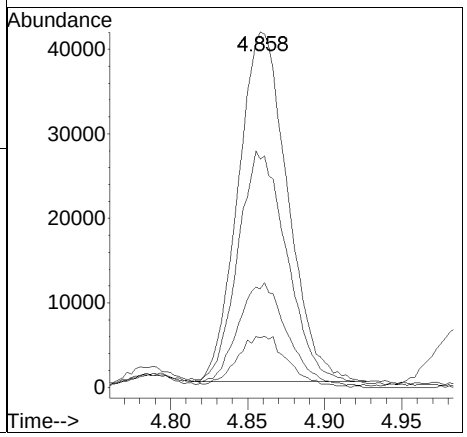


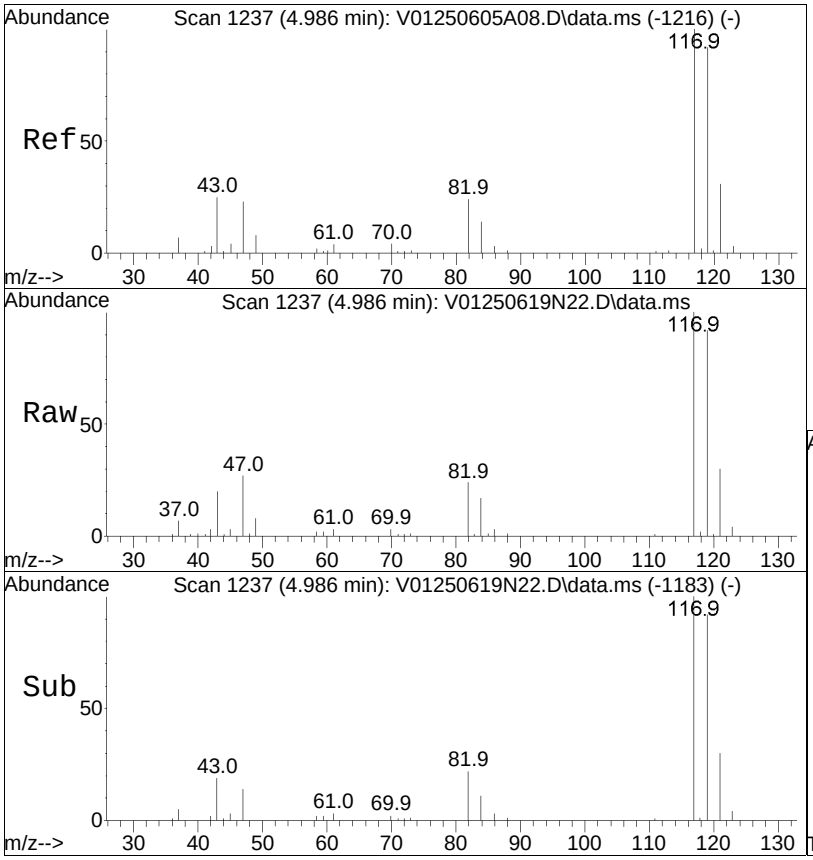


#32
Chloroform
Concen: 9.40 ug/L
RT: 4.858 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 83 Resp: 92838

Ion	Ratio	Lower	Upper
83	100		
85	67.3	42.8	88.8
47	29.3	16.5	34.3
48	15.1	9.2	19.0

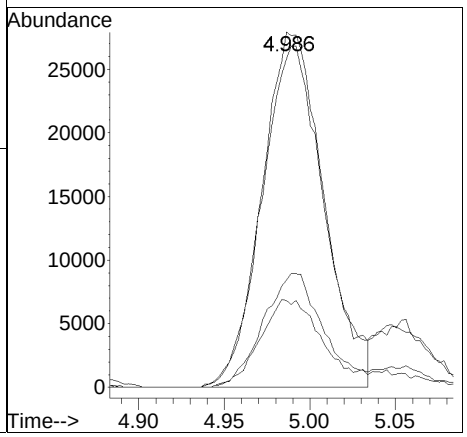


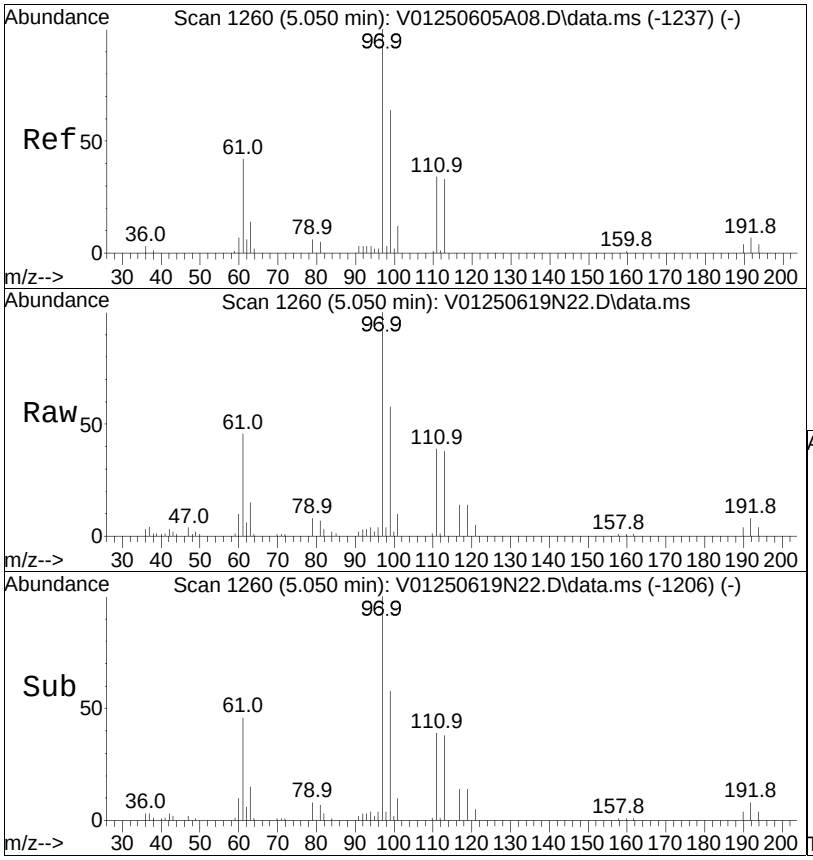


#34
Carbon tetrachloride
Concen: 8.93 ug/L
RT: 4.986 min Scan# 1237
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:117 Resp: 70668

Ion	Ratio	Lower	Upper
117	100		
119	95.9	61.4	127.6
121	31.2	20.1	41.7
82	25.1	16.1	33.3

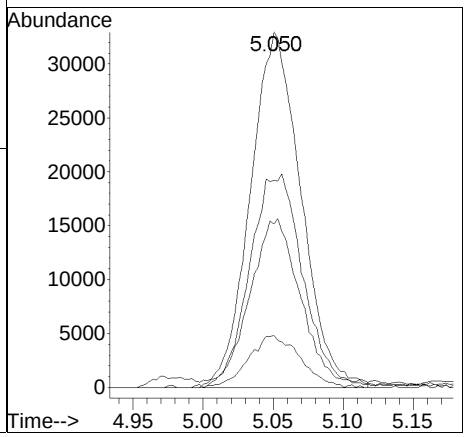


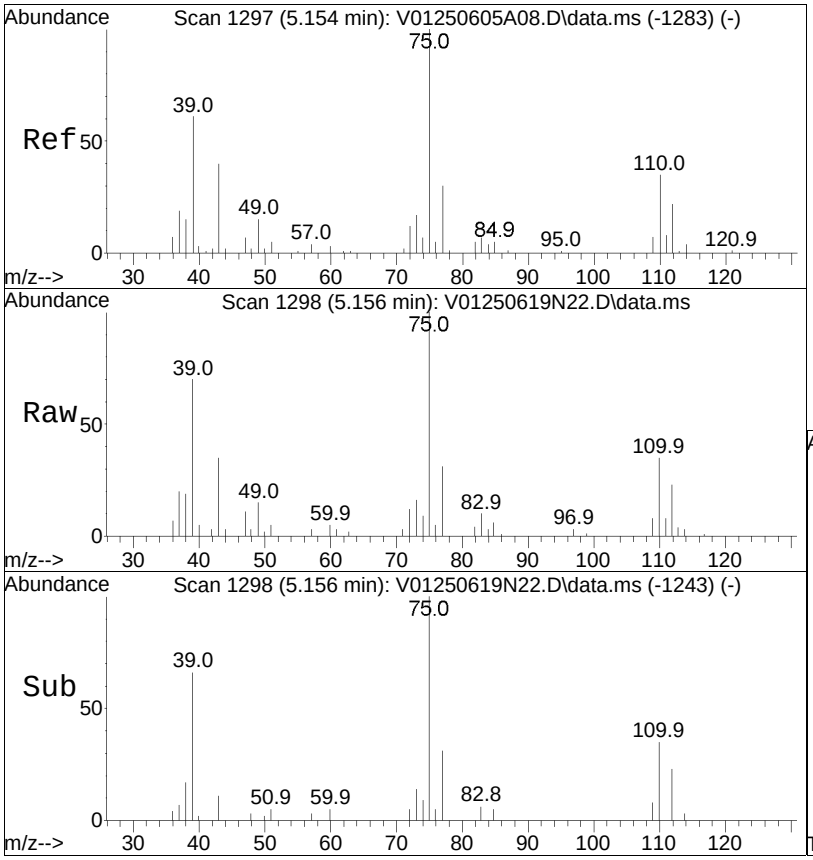


#37
1,1,1-Trichloroethane
Concen: 9.47 ug/L
RT: 5.050 min Scan# 1260
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 97 Resp: 82914

Ion	Ratio	Lower	Upper
97	100		
99	63.1	41.6	86.4
61	46.6	28.5	59.3
63	14.9	9.4	19.4

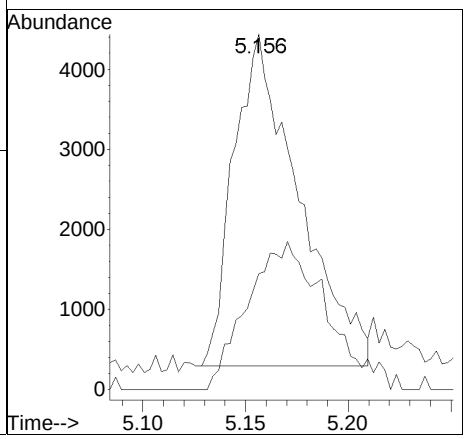


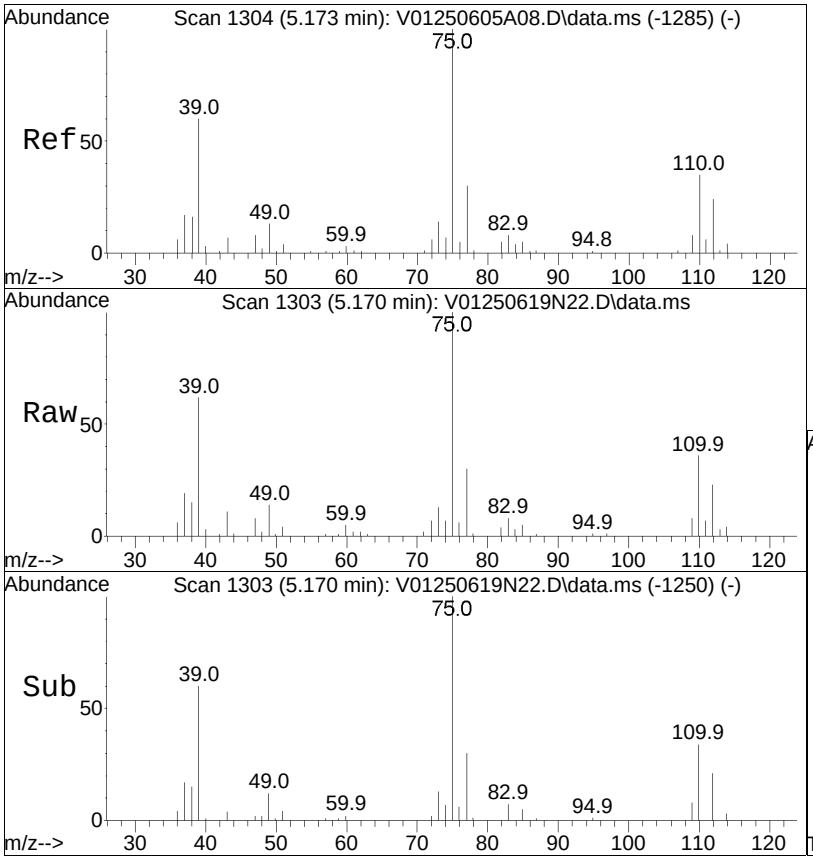


#39
2-Butanone
Concen: 7.40 ug/L
RT: 5.156 min Scan# 1298
Delta R.T. 0.002 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 43 Resp: 9125

Ion	Ratio	Lower	Upper
43	100		
72	54.0	41.4	62.2

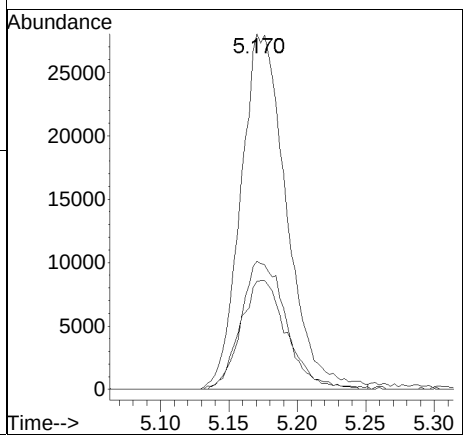


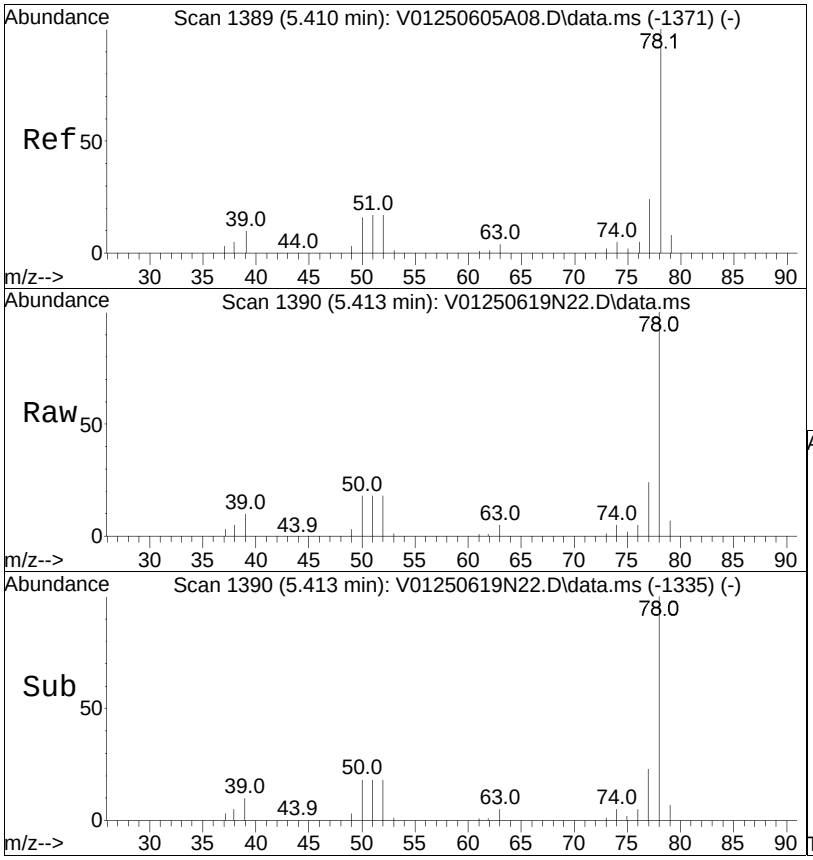


#40
1,1-Dichloropropene
Concen: 9.04 ug/L
RT: 5.170 min Scan# 1303
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 75 Resp: 65114

Ion	Ratio	Lower	Upper
75	100		
110	36.0	23.9	49.5
77	30.8	20.1	41.7

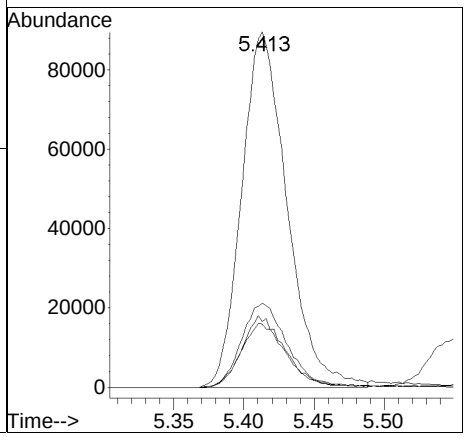


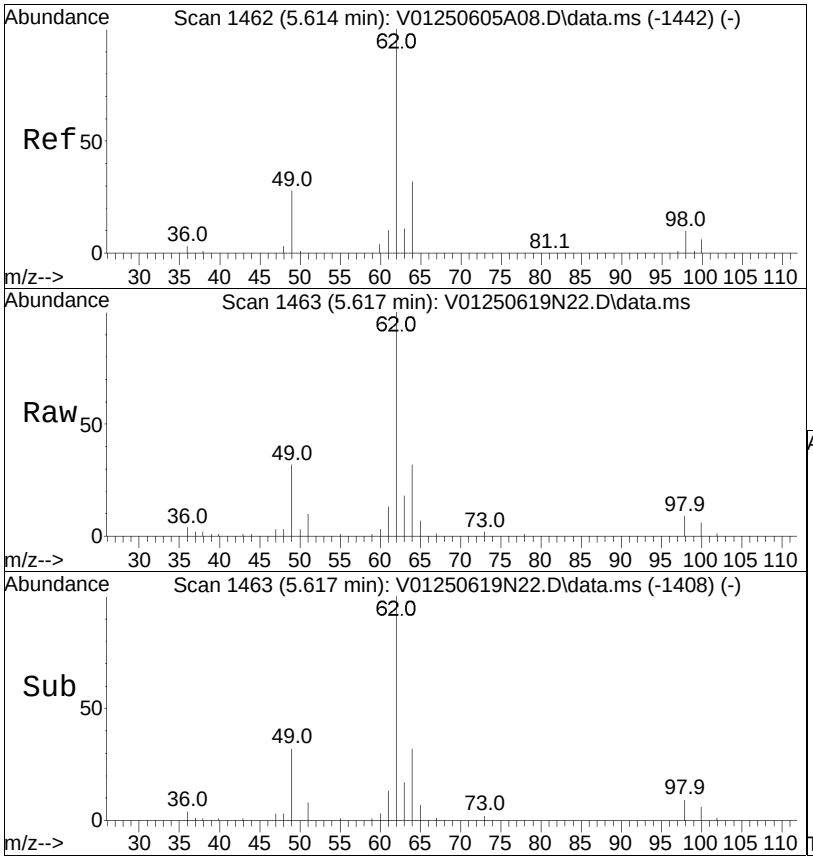


#41
Benzene
Concen: 9.30 ug/L
RT: 5.413 min Scan# 1390
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 78 Resp: 201829

Ion	Ratio	Lower	Upper
78	100		
77	23.9	15.6	32.4
51	19.3	11.7	24.3
52	17.9	10.9	22.5

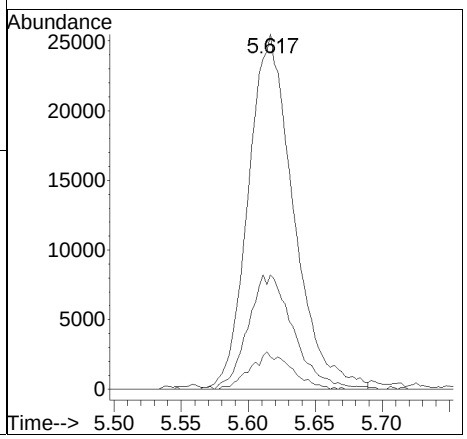


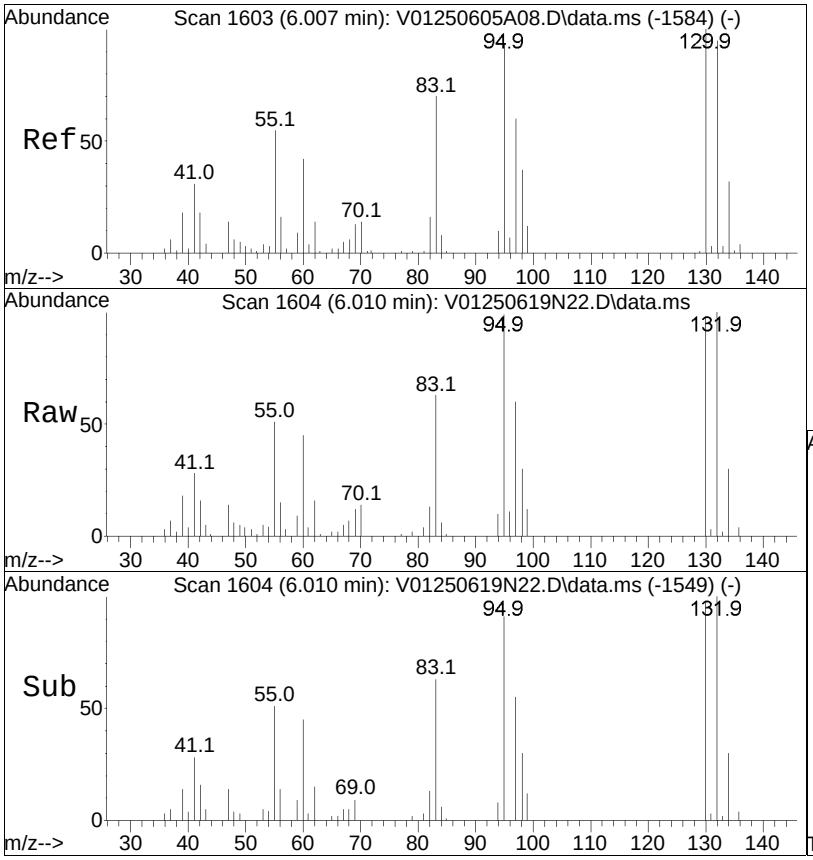


#44
1,2-Dichloroethane
Concen: 9.33 ug/L
RT: 5.617 min Scan# 1463
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 62 Resp: 59886

Ion	Ratio	Lower	Upper
62	100		
64	14.4	10.1	50.1
98	9.6	0.0	29.7

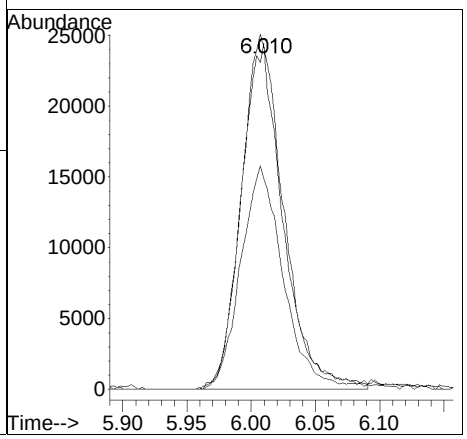


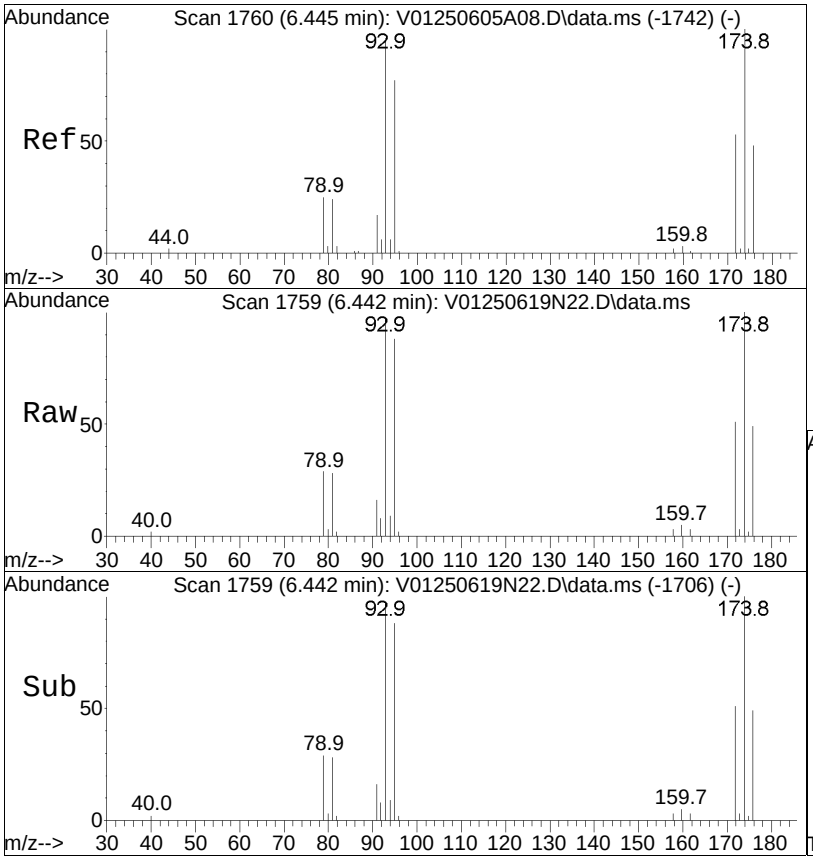


#48
Trichloroethene
Concen: 8.86 ug/L
RT: 6.010 min Scan# 1604
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 95 Resp: 55286

Ion	Ratio	Lower	Upper
95	100		
97	65.6	54.0	81.0
130	104.3	85.0	127.6

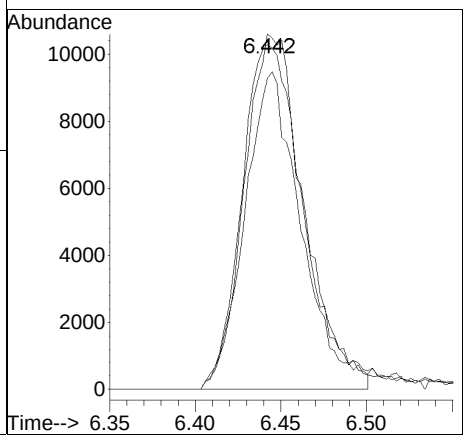


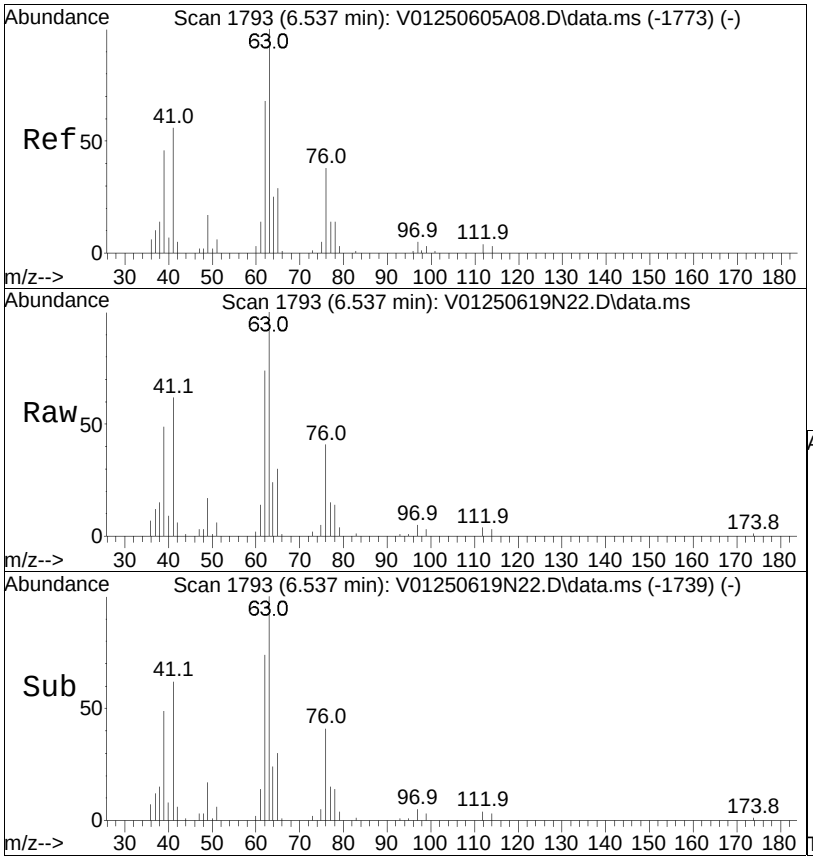


#50
Dibromomethane
Concen: 8.45 ug/L
RT: 6.442 min Scan# 1759
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 93 Resp: 25603

Ion	Ratio	Lower	Upper
93	100		
95	87.0	68.2	102.2
174	101.4	90.3	135.5

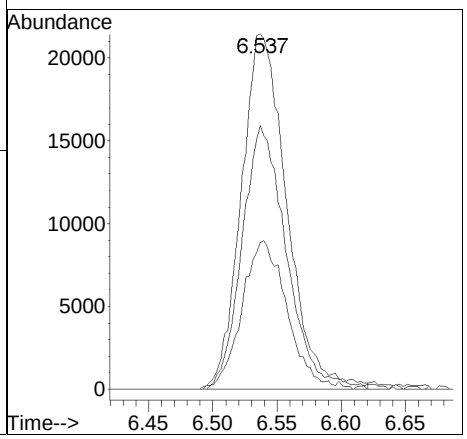


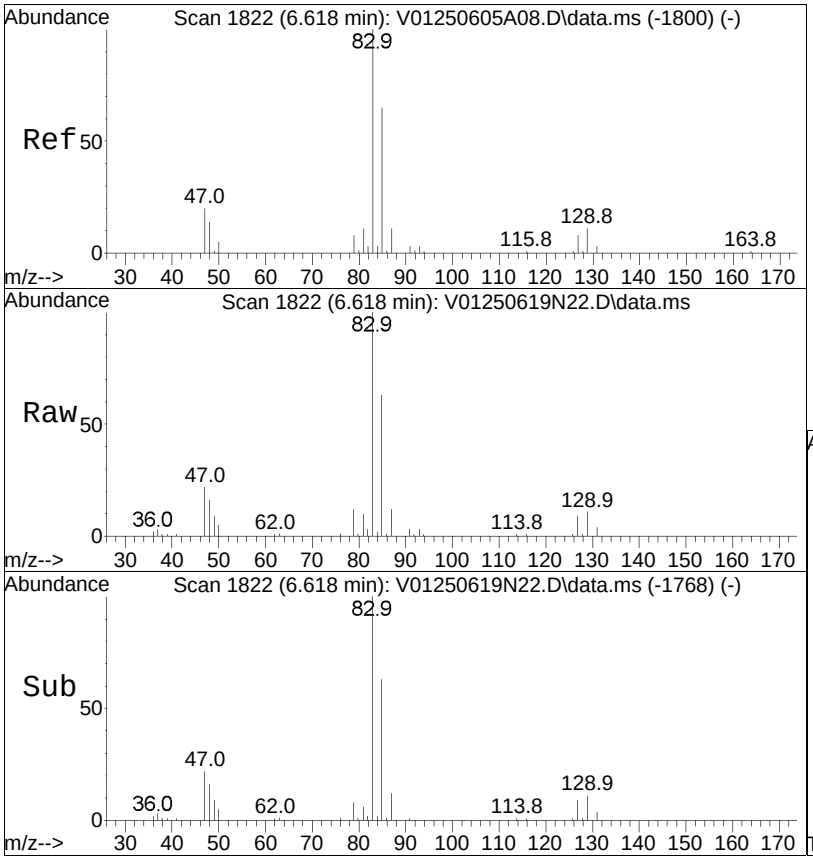


#51
1,2-Dichloropropane
Concen: 9.12 ug/L
RT: 6.537 min Scan# 1793
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 63 Resp: 52990

Ion	Ratio	Lower	Upper
63	100		
62	72.2	57.2	85.8
76	41.2	32.7	49.1

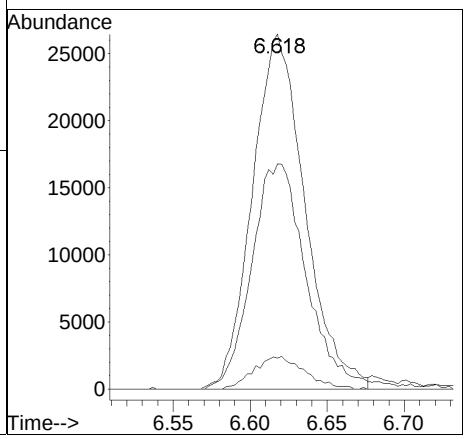


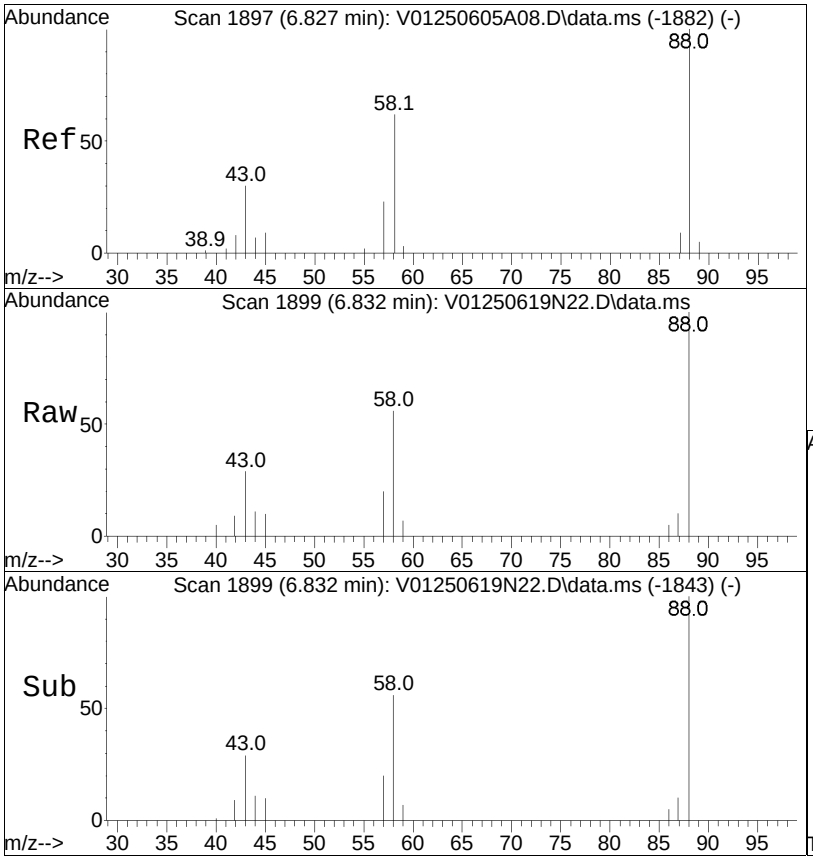


#54
Bromodichloromethane
Concen: 8.29 ug/L
RT: 6.618 min Scan# 1822
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 83 Resp: 62889

Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.6	77.4
127	9.1	7.1	10.7

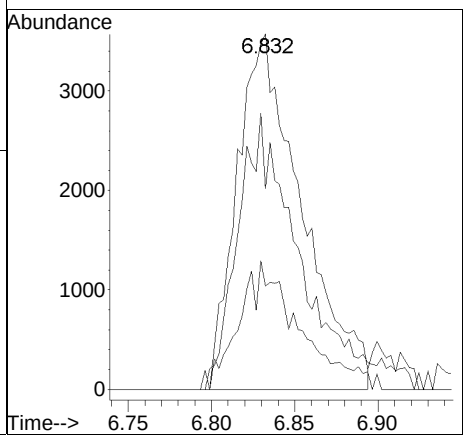


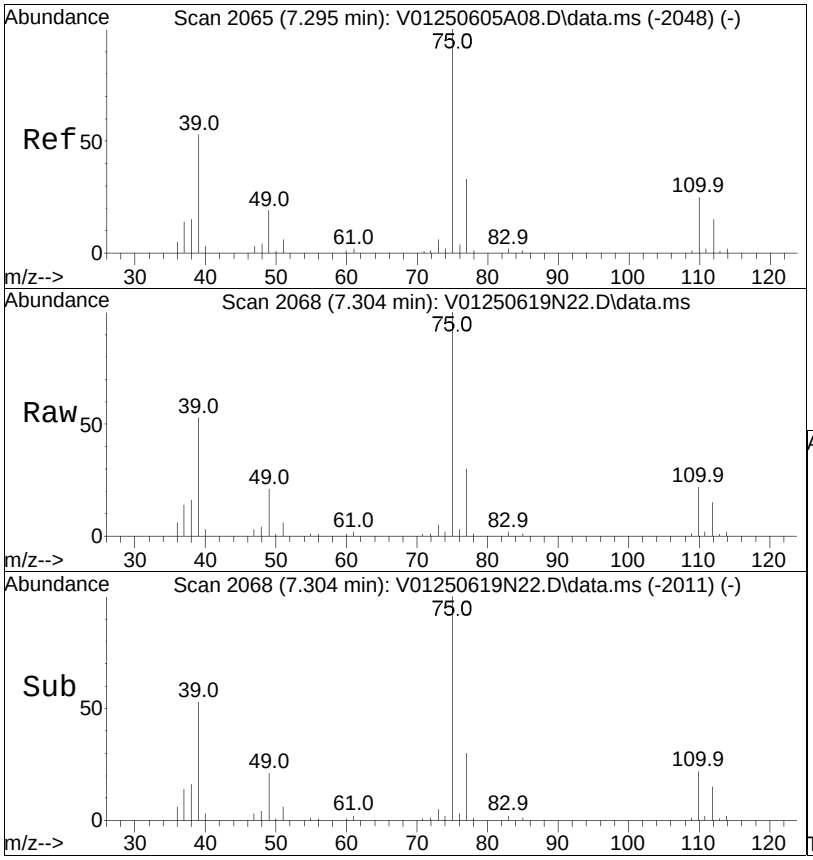


#57
1,4-Dioxane
Concen: 340.18 ug/L
RT: 6.832 min Scan# 1899
Delta R.T. 0.005 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 88 Resp: 9682

Ion	Ratio	Lower	Upper
88	100		
58	72.2	52.4	78.6
43	10.6	22.1	33.1#

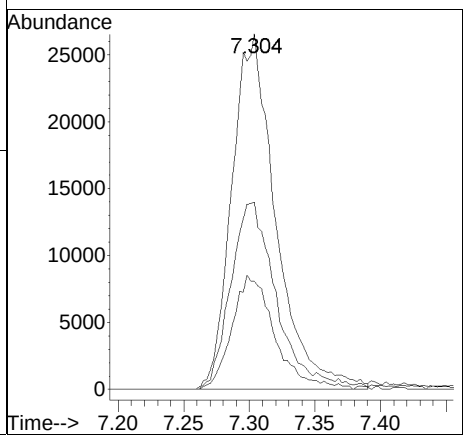


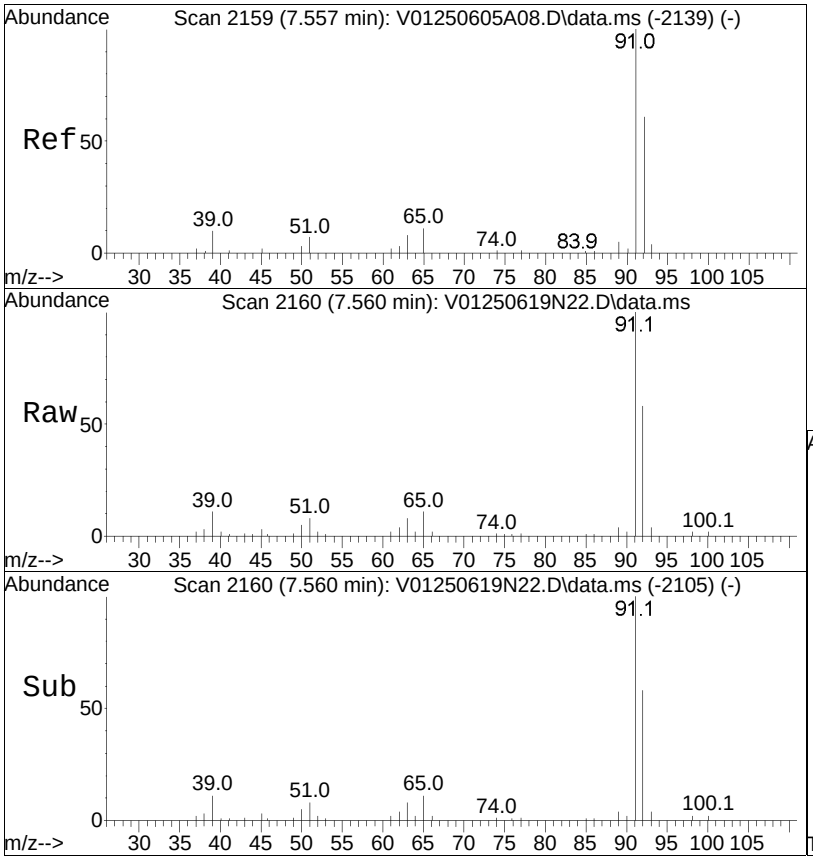


#58
cis-1,3-Dichloropropene
Concen: 7.12 ug/L
RT: 7.304 min Scan# 2068
Delta R.T. 0.009 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 75 Resp: 62078

Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.7	38.5
39	53.9	42.9	64.3

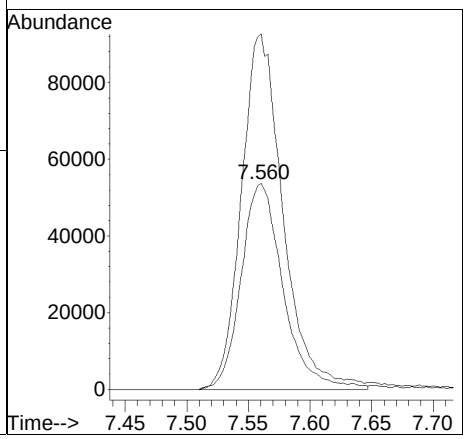


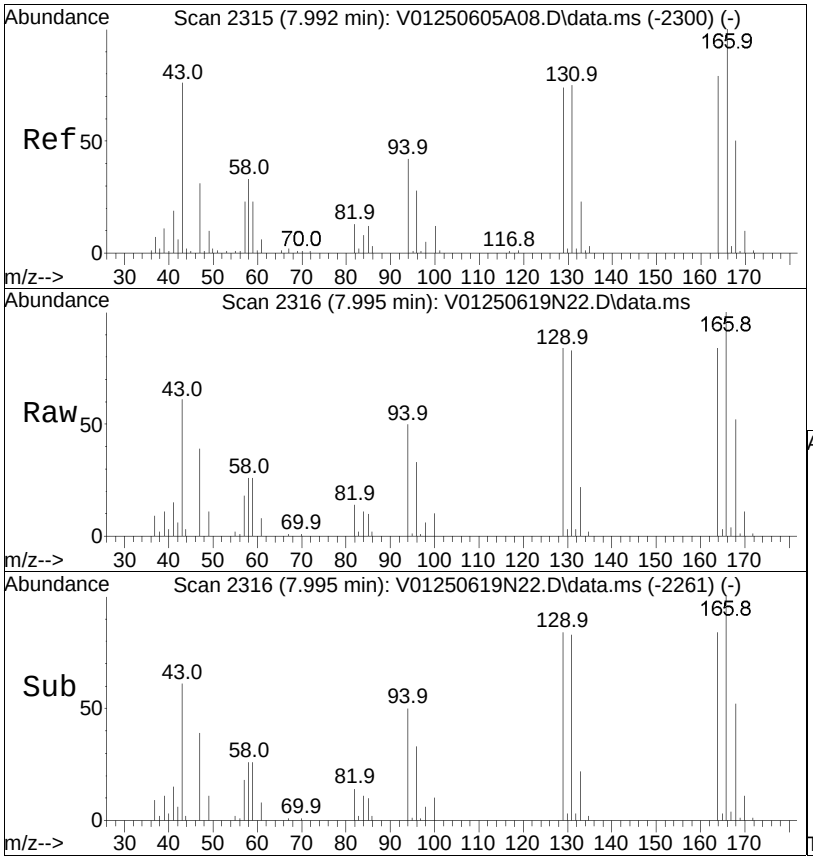


#61
Toluene
Concen: 9.34 ug/L
RT: 7.560 min Scan# 2160
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 92 Resp: 127289

Ion	Ratio	Lower	Upper
92	100		
91	170.9	134.8	202.2

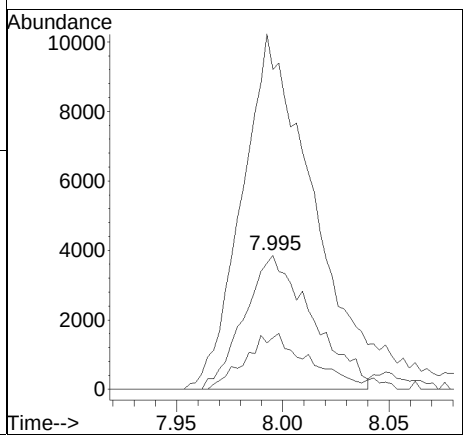


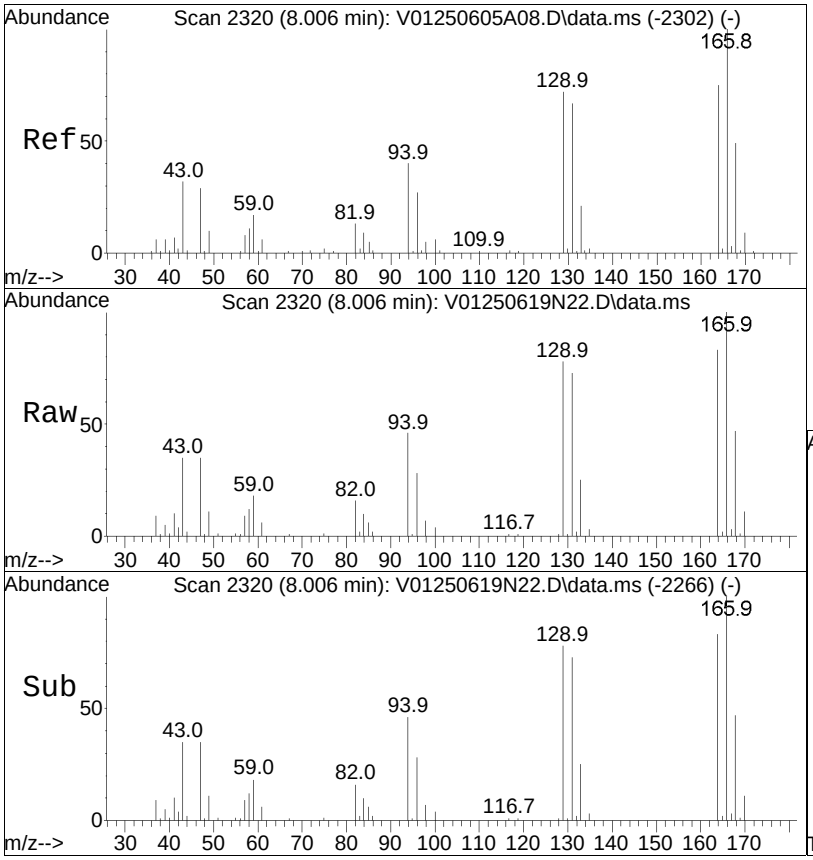


#62
4-Methyl-2-pentanone
Concen: 7.38 ug/L
RT: 7.995 min Scan# 2316
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 58 Resp: 8604

Ion	Ratio	Lower	Upper
58	100		
100	39.0	34.7	52.1
43	290.6	205.3	307.9

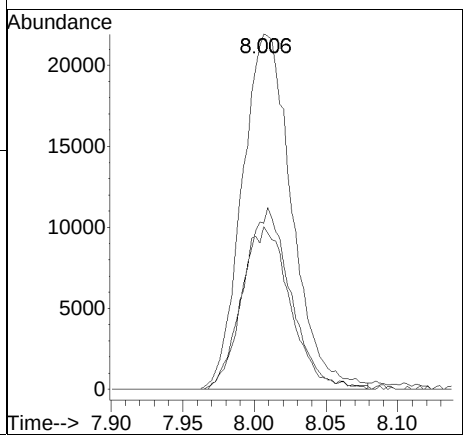


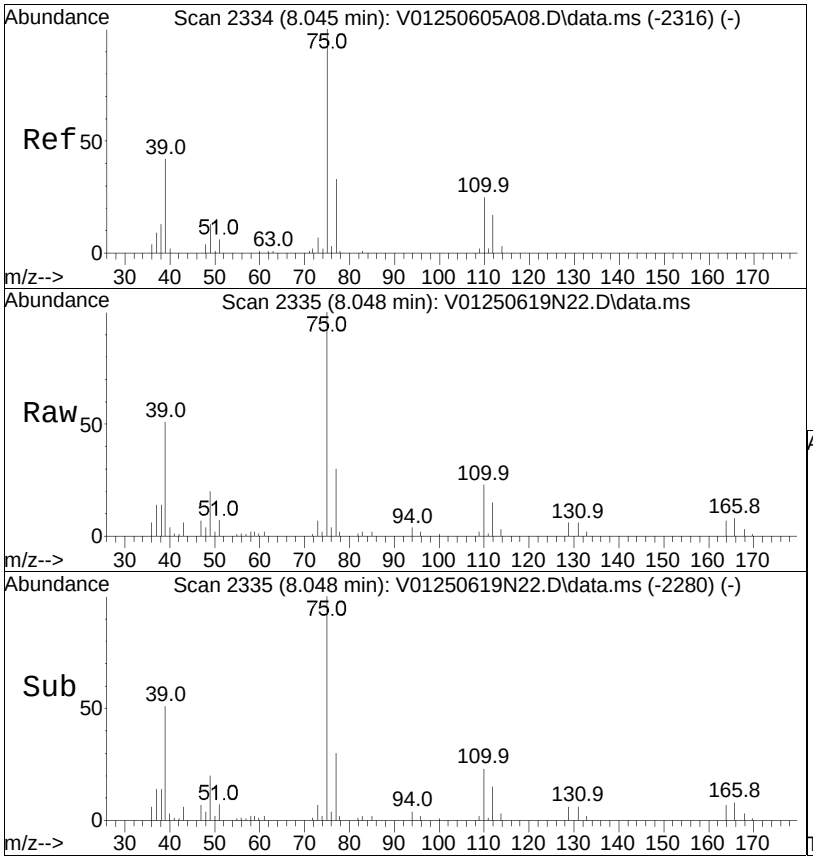


#63
Tetrachloroethene
Concen: 8.71 ug/L
RT: 8.006 min Scan# 2320
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:166 Resp: 52940

Ion	Ratio	Lower	Upper
166	100		
168	47.6	28.4	68.4
94	45.4	21.2	61.2

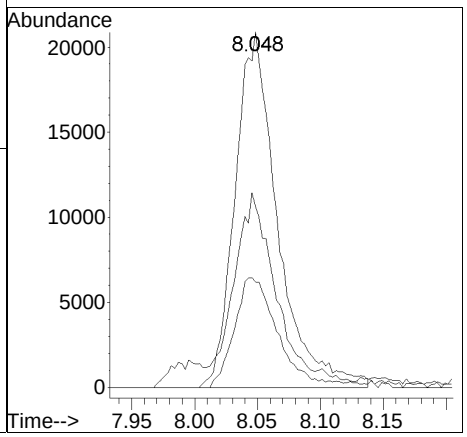


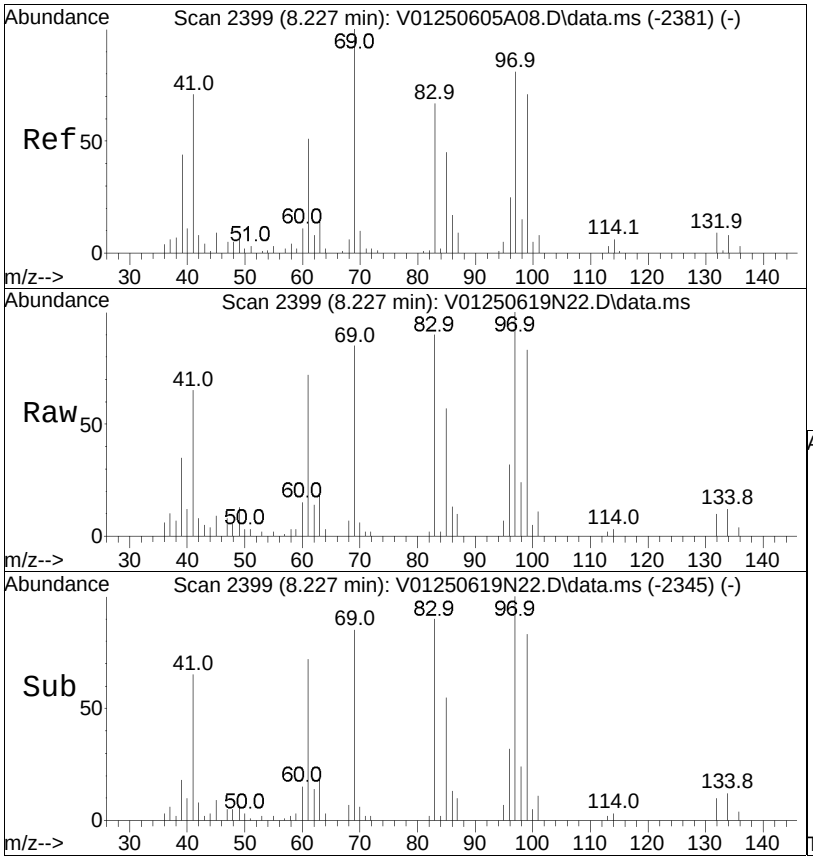


#65
trans-1,3-Dichloropropene
Concen: 7.39 ug/L
RT: 8.048 min Scan# 2335
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 75 Resp: 49013

Ion	Ratio	Lower	Upper
75	100		
77	31.5	11.9	51.9
39	43.0	28.4	68.4

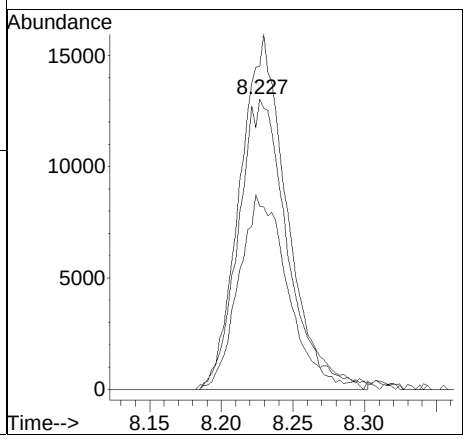


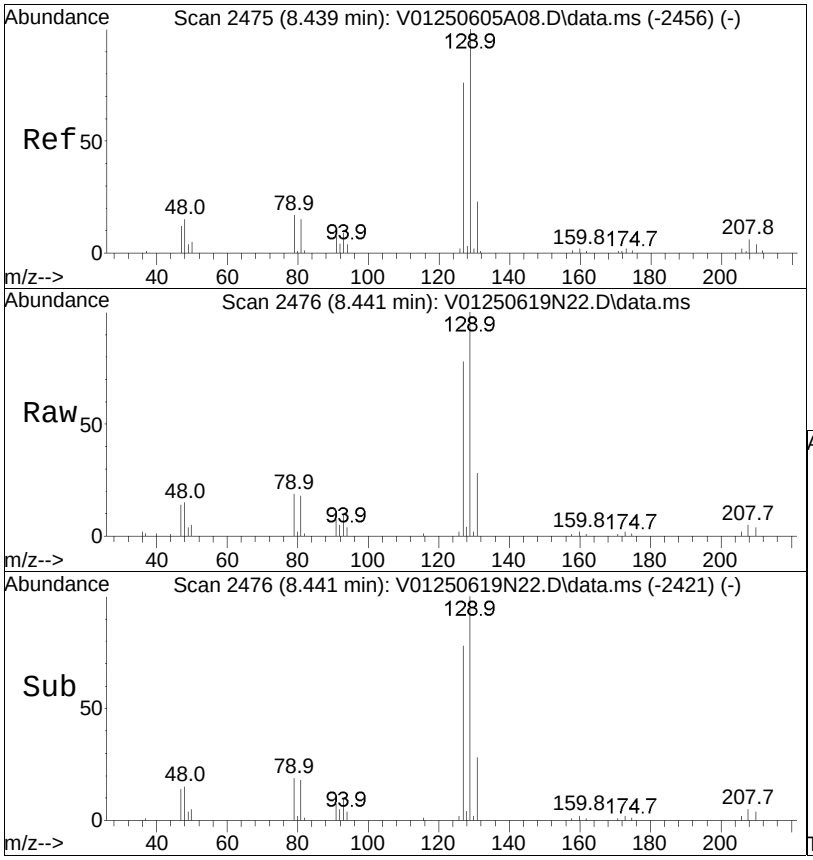


#68
1,1,2-Trichloroethane
Concen: 9.25 ug/L
RT: 8.227 min Scan# 2399
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 83 Resp: 31060

Ion	Ratio	Lower	Upper
83	100		
97	117.4	101.5	141.5
85	66.8	48.5	88.5

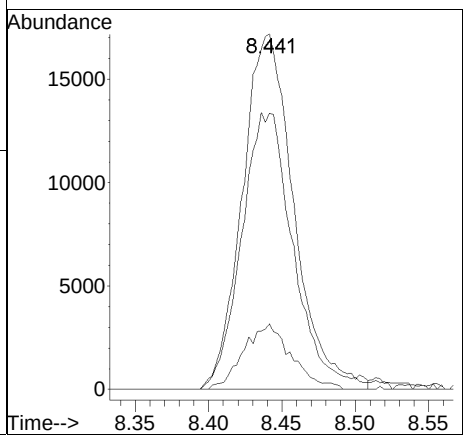


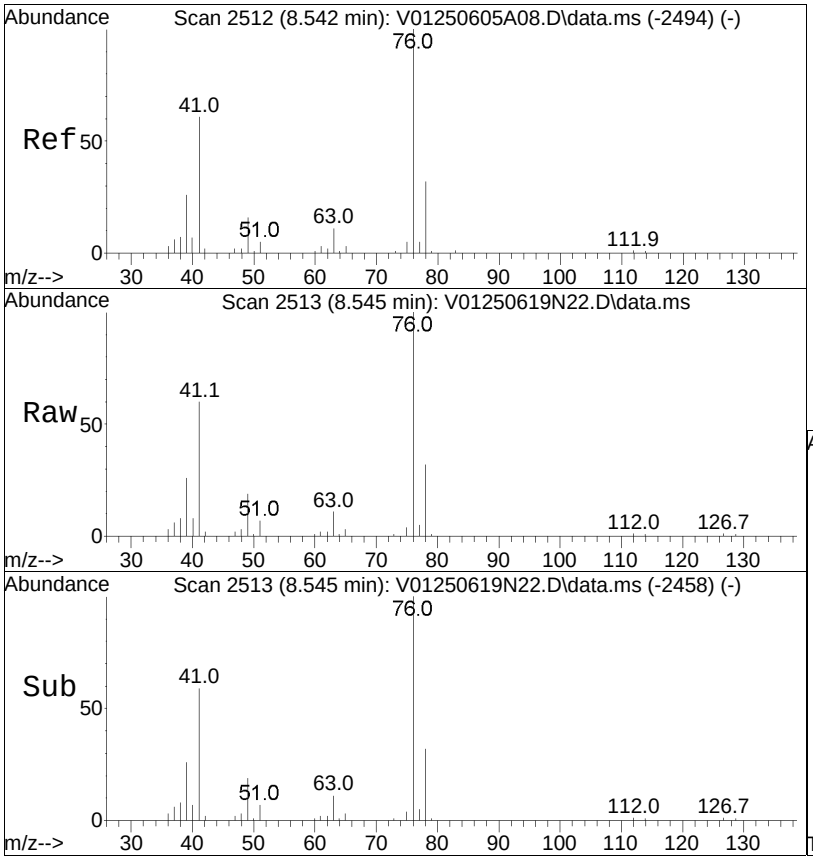


#69
Chlorodibromomethane
Concen: 7.86 ug/L
RT: 8.441 min Scan# 2476
Delta R.T. 0.002 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:129 Resp: 42120

Ion	Ratio	Lower	Upper
129	100		
81	17.1	0.0	36.6
127	77.8	56.3	96.3

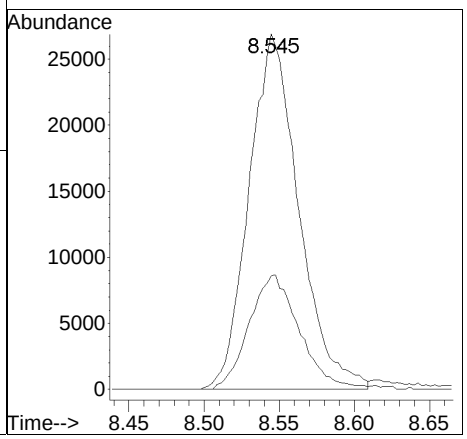


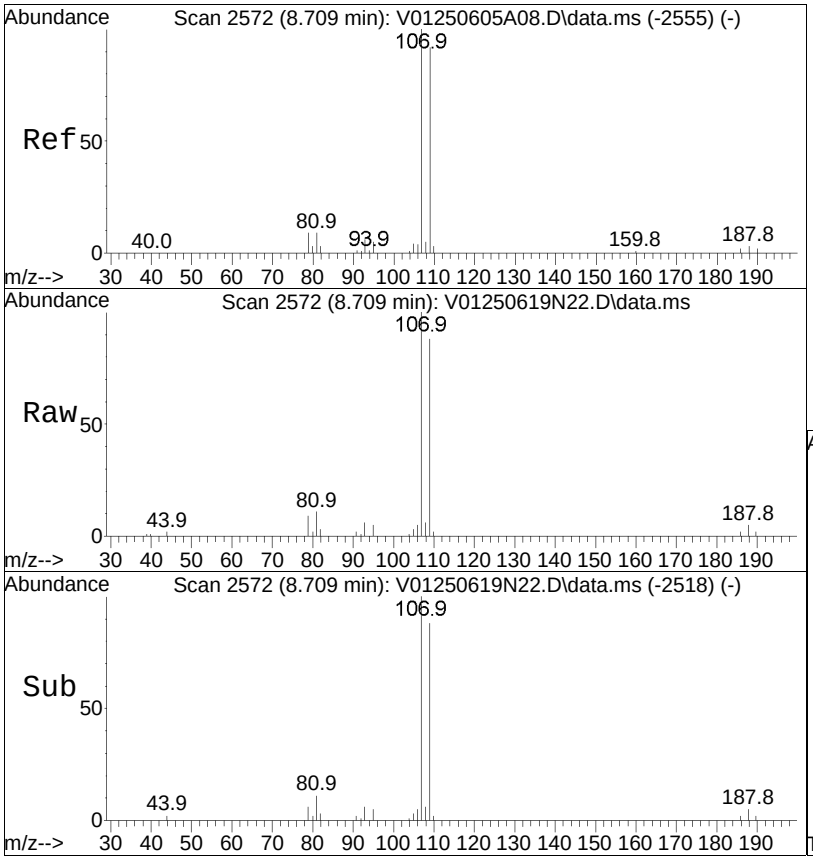


#70
1,3-Dichloropropane
Concen: 9.28 ug/L
RT: 8.545 min Scan# 2513
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 76 Resp: 61942

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.8	38.6

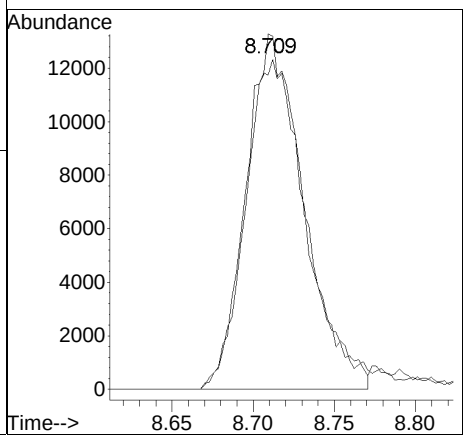


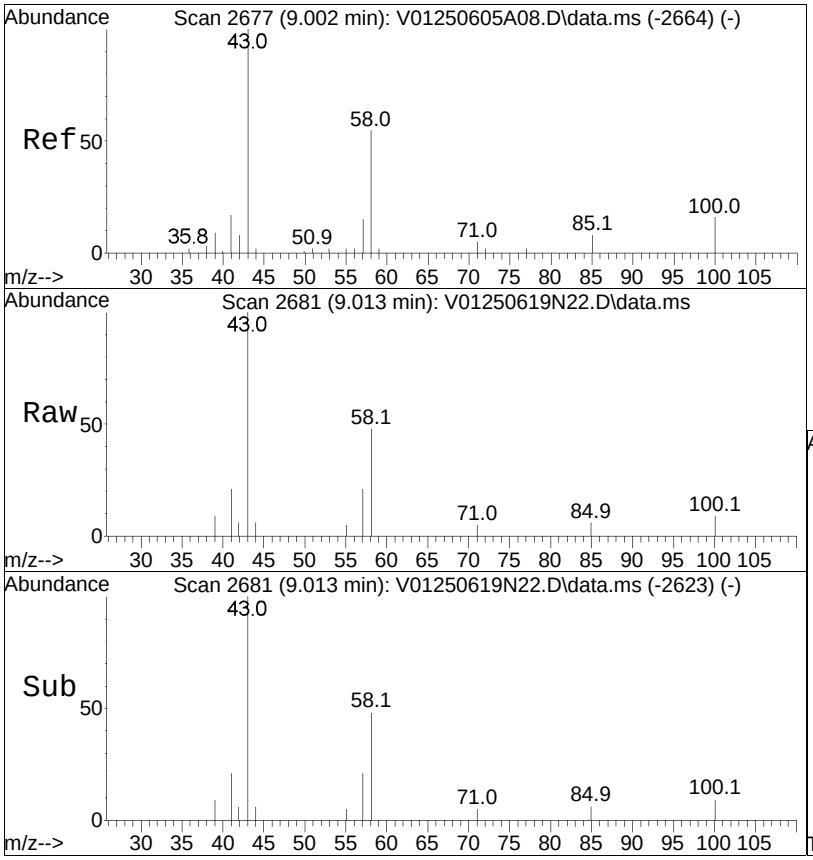


#71
1,2-Dibromoethane
Concen: 8.45 ug/L
RT: 8.709 min Scan# 2572
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:107 Resp: 33271

Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.9	115.3

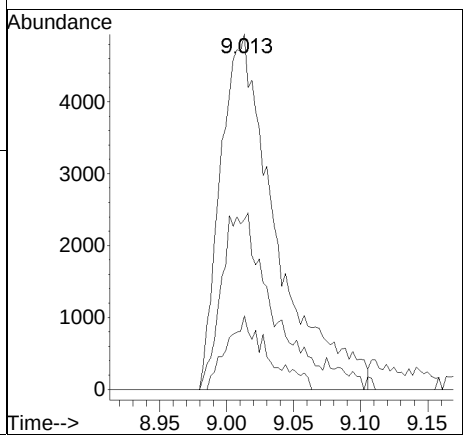


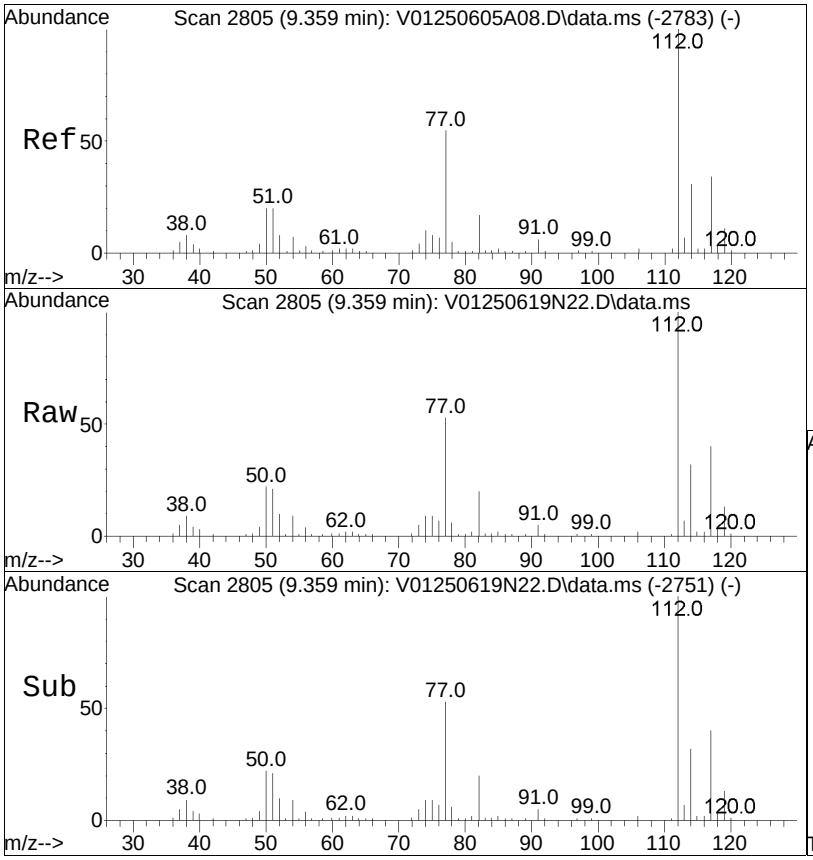


#72
2-Hexanone
Concen: 7.32 ug/L
RT: 9.013 min Scan# 2681
Delta R.T. 0.011 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 43 Resp: 14284

Ion	Ratio	Lower	Upper
43	100		
58	44.7	43.6	65.4
57	13.3	6.5	9.7#

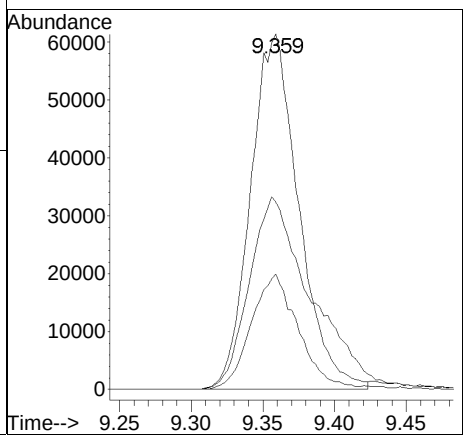


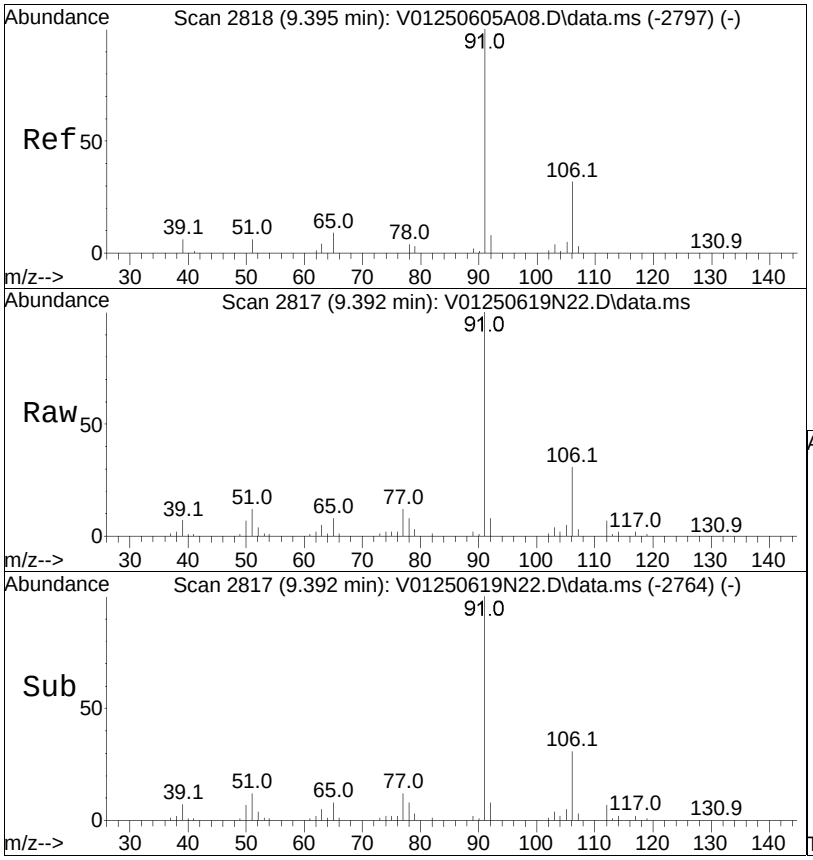


#73
Chlorobenzene
Concen: 9.11 ug/L
RT: 9.359 min Scan# 2805
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:112 Resp: 143505

Ion	Ratio	Lower	Upper
112	100		
77	70.6	54.6	81.8
114	31.7	25.5	38.3

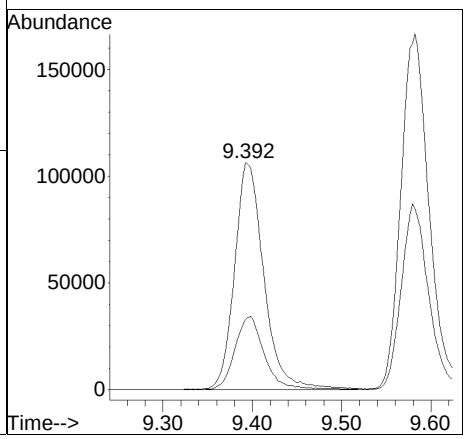


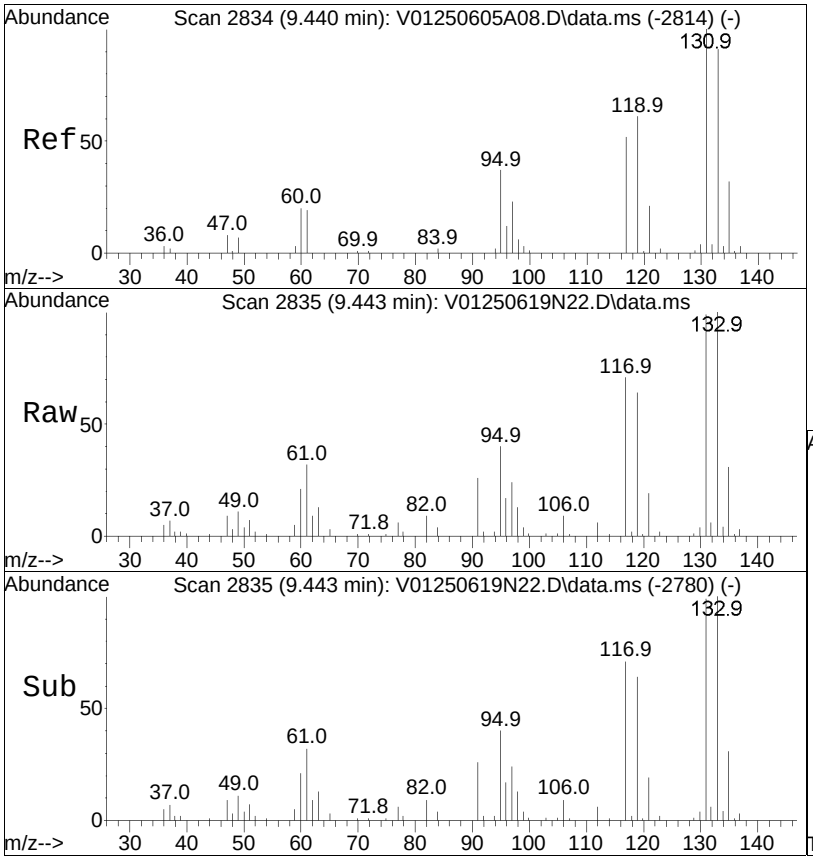


#74
Ethylbenzene
Concen: 9.21 ug/L
RT: 9.392 min Scan# 2817
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 91 Resp: 242218

Ion	Ratio	Lower	Upper
91	100		
106	31.9	26.1	39.1

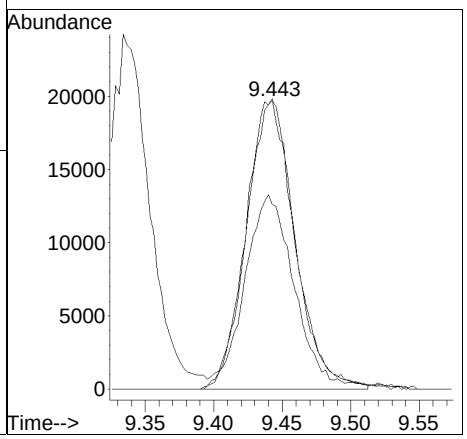


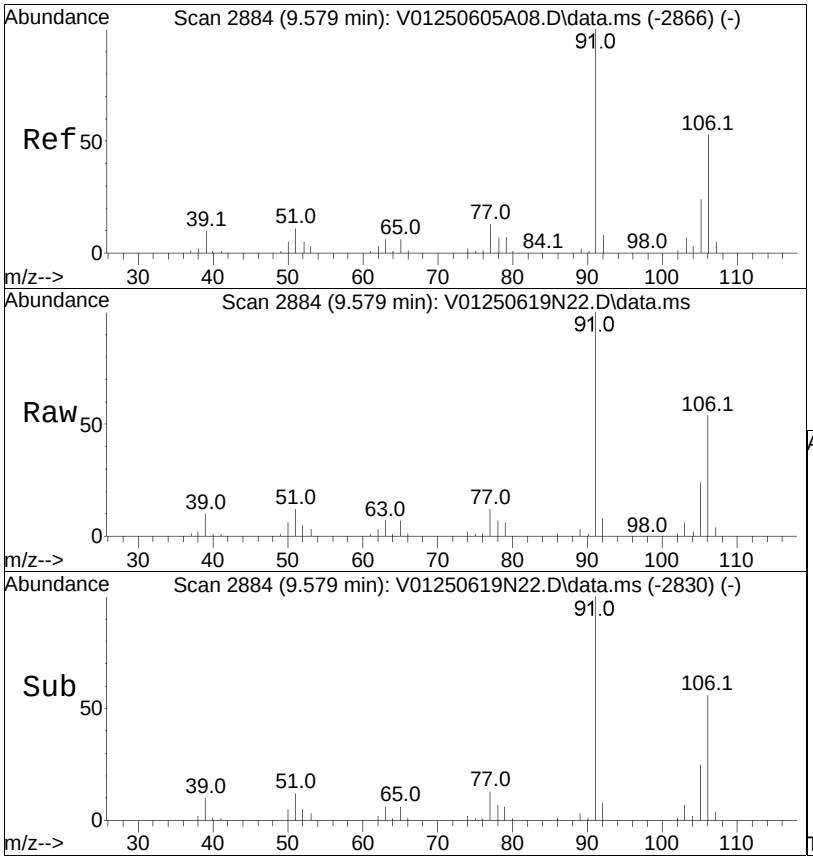


#75
1,1,1,2-Tetrachloroethane
Concen: 8.64 ug/L
RT: 9.443 min Scan# 2835
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:131 Resp: 49927

Ion	Ratio	Lower	Upper
131	100		
133	96.8	75.3	115.3
119	62.8	46.1	86.1

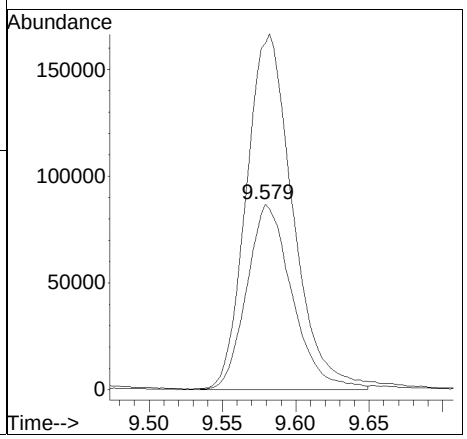


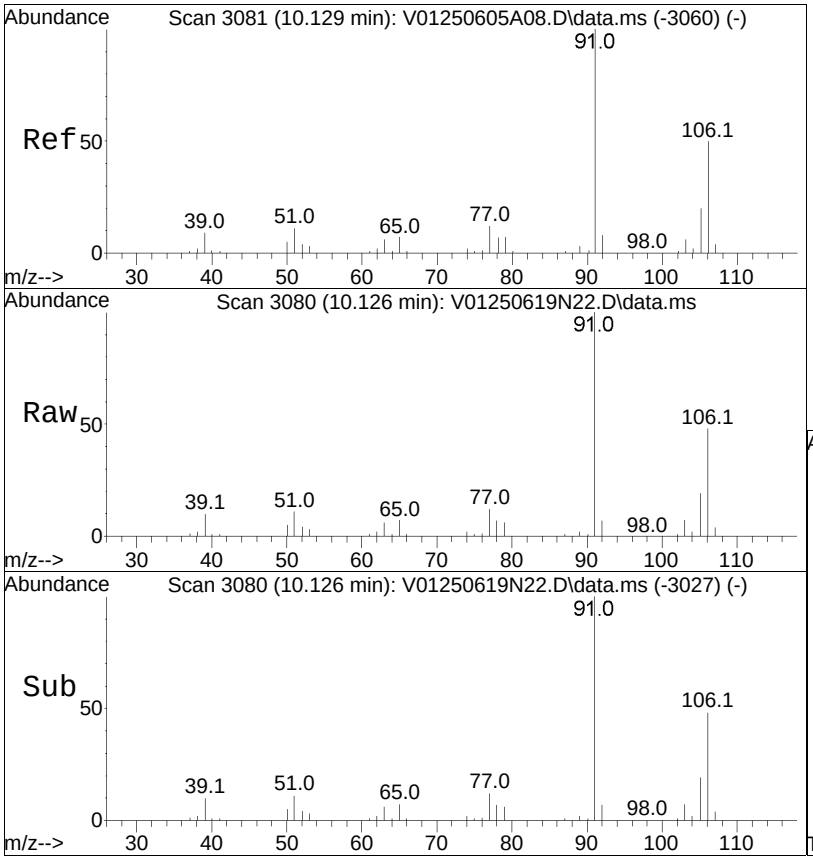


#76
p/m Xylene
Concen: 17.57 ug/L
RT: 9.579 min Scan# 2884
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:106 Resp: 186331

Ion	Ratio	Lower	Upper
106	100		
91	198.8	153.1	229.7

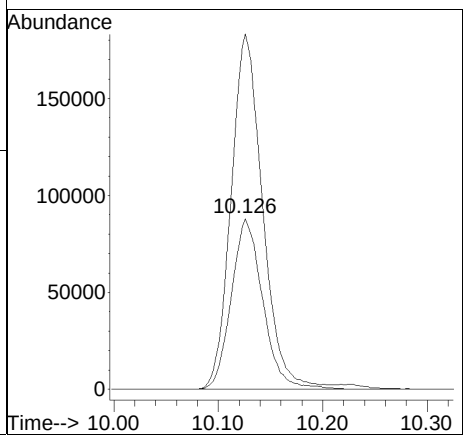


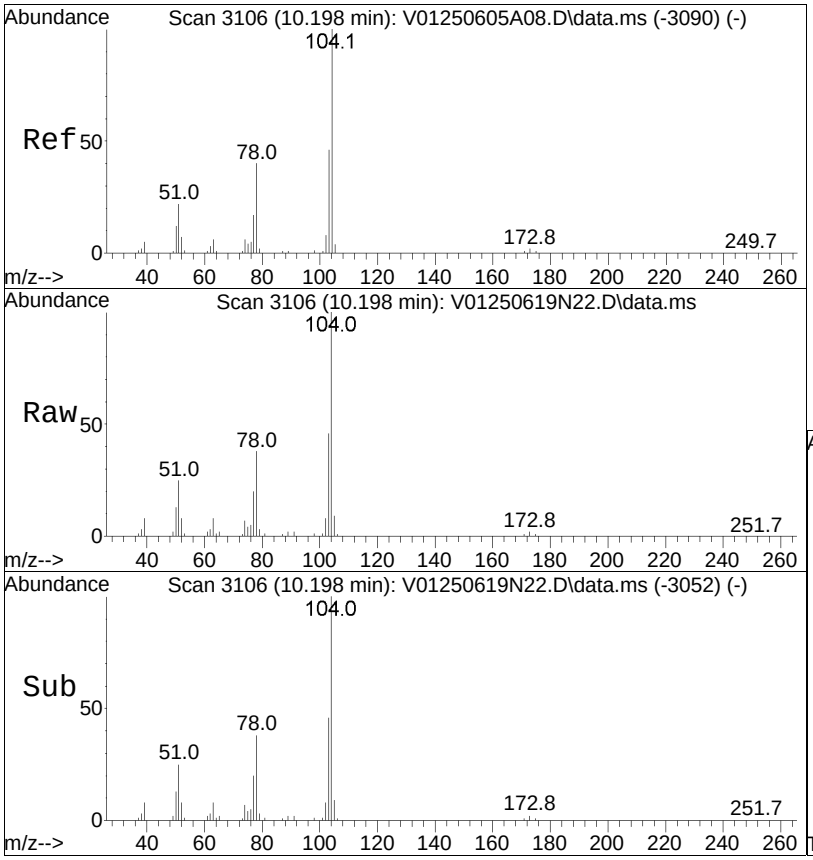


#77
o Xylene
Concen: 17.79 ug/L
RT: 10.126 min Scan# 3080
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:106 Resp: 185099

Ion	Ratio	Lower	Upper
106	100		
91	206.8	161.3	241.9

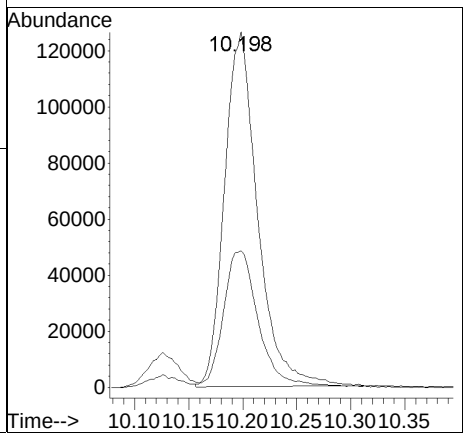


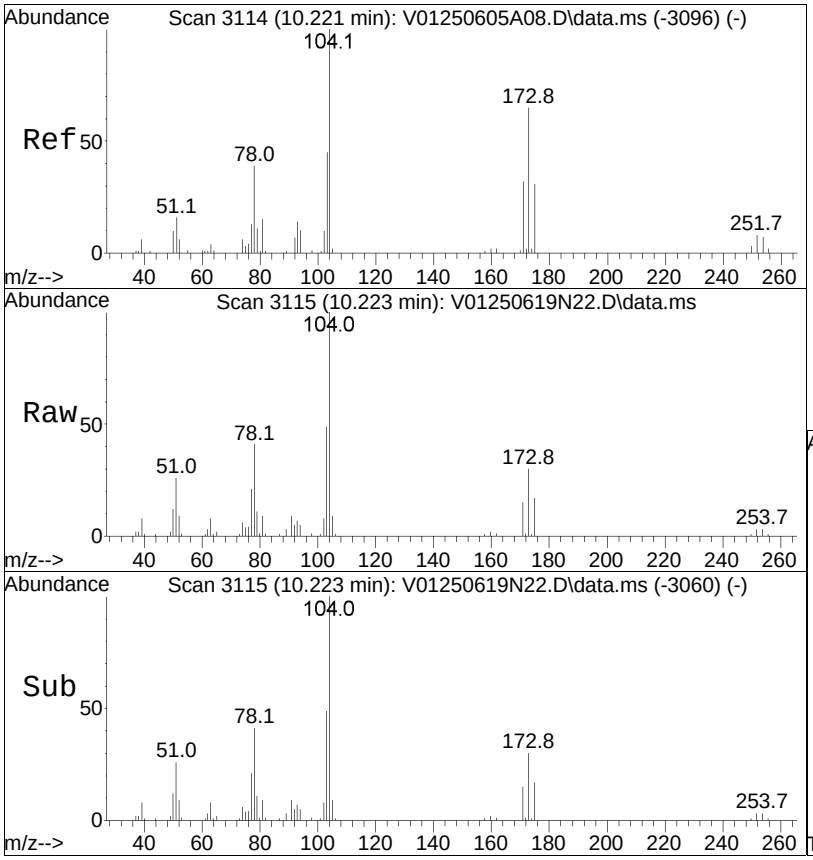


#78
Styrene
Concen: 16.25 ug/L
RT: 10.198 min Scan# 3106
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:104 Resp: 270131

Ion	Ratio	Lower	Upper
104	100		
78	39.2	32.5	48.7

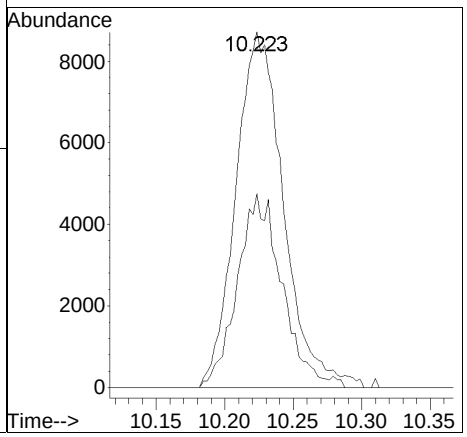


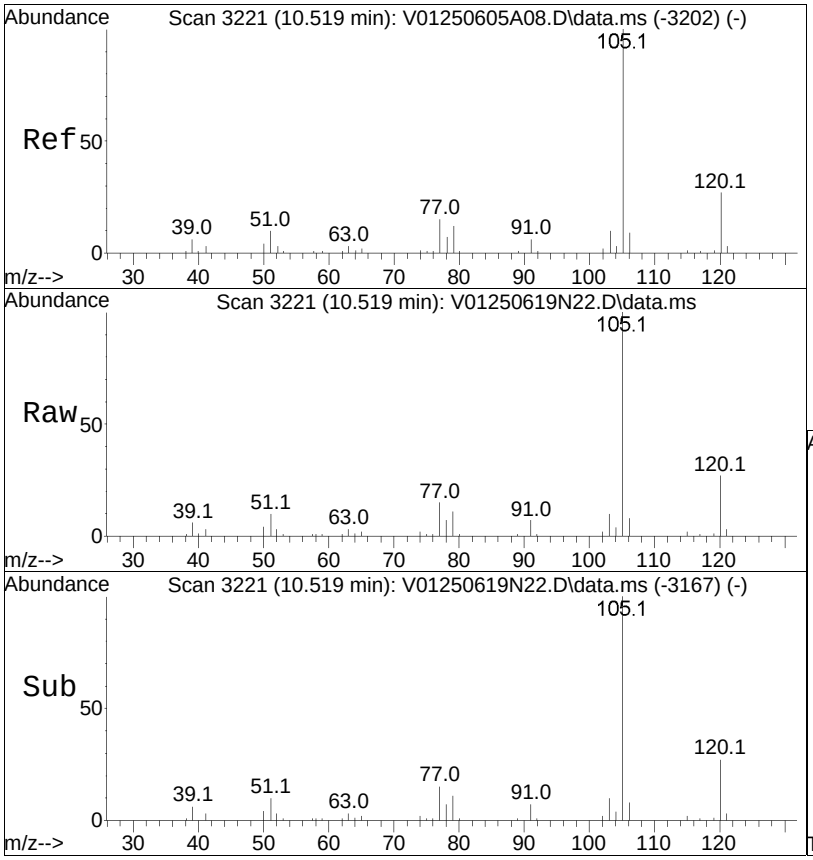


#80
Bromoform
Concen: 6.51 ug/L
RT: 10.223 min Scan# 3115
Delta R.T. 0.002 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:173 Resp: 21103

Ion	Ratio	Lower	Upper
173	100		
175	50.3	28.9	68.9

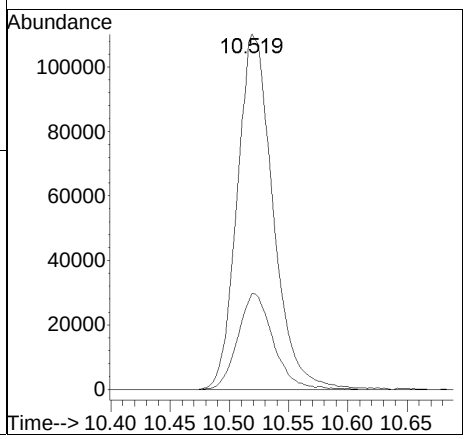


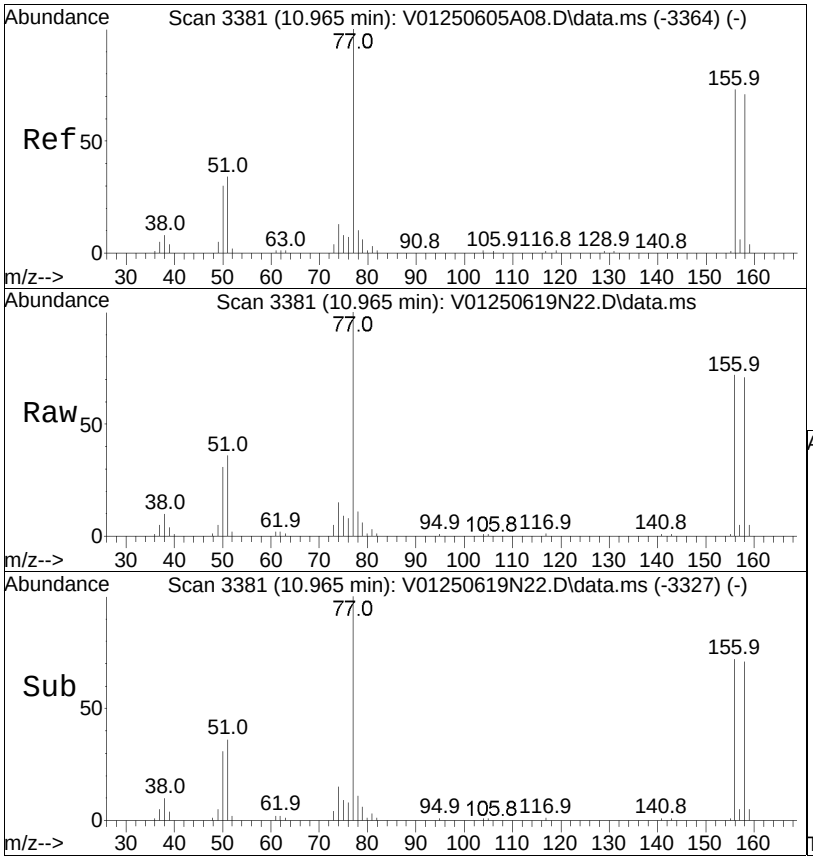


#82
Isopropylbenzene
Concen: 8.92 ug/L
RT: 10.519 min Scan# 3221
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:105 Resp: 231697

Ion	Ratio	Lower	Upper
105	100		
120	26.7	7.2	47.2

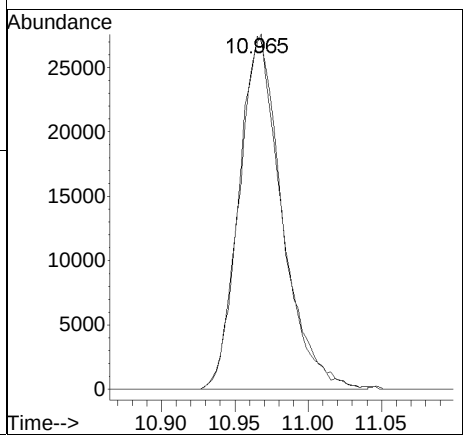


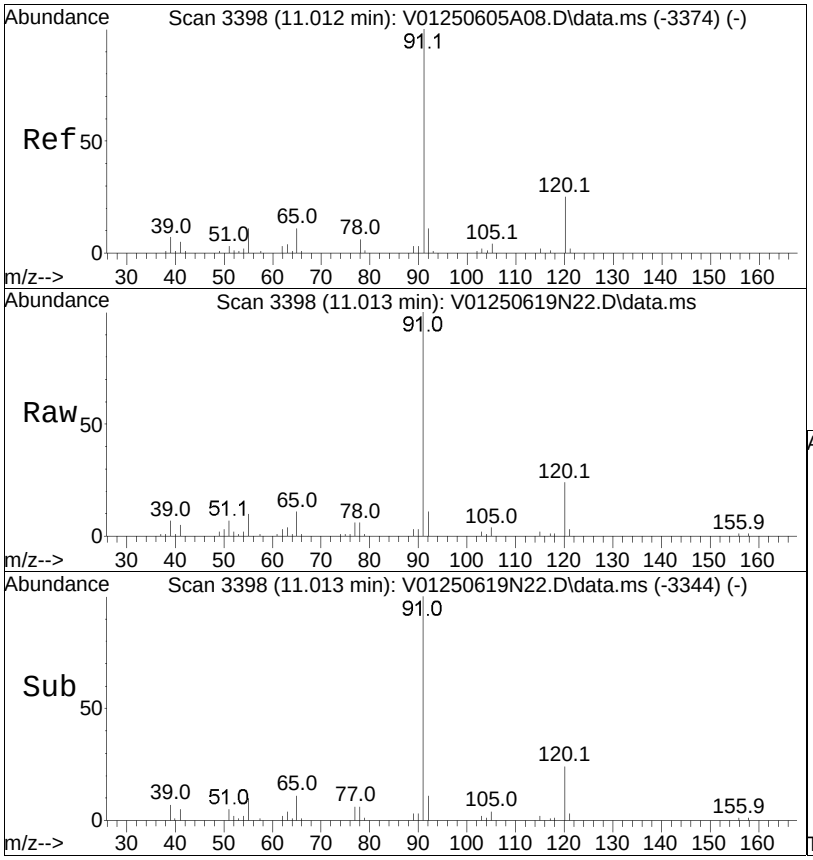


#84
Bromobenzene
Concen: 9.00 ug/L
RT: 10.965 min Scan# 3381
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:156 Resp: 57051

Ion	Ratio	Lower	Upper
156	100		
158	97.0	78.9	118.3

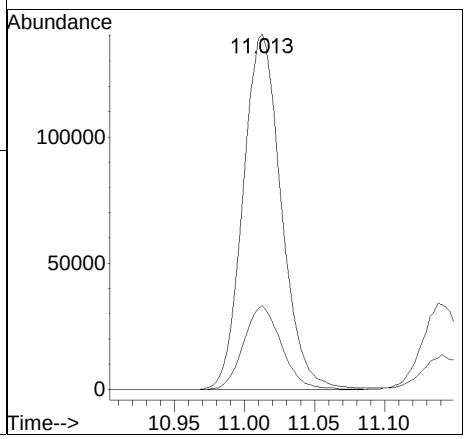


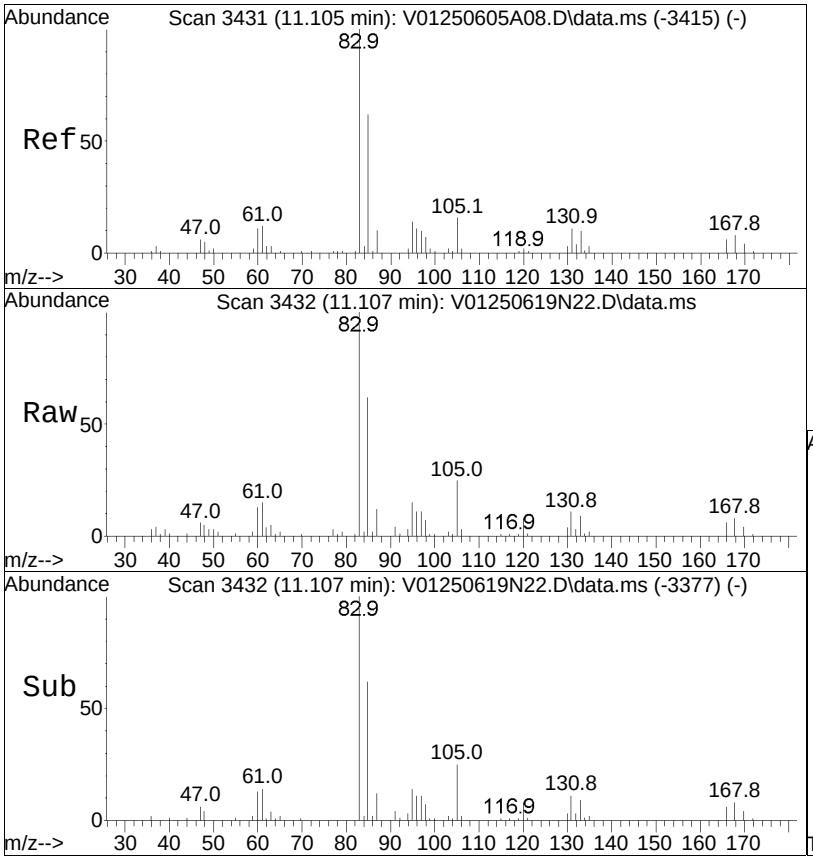


#85
n-Propylbenzene
Concen: 9.03 ug/L
RT: 11.013 min Scan# 3398
Delta R.T. 0.001 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 91 Resp: 266980

Ion	Ratio	Lower	Upper
91	100		
120	23.2	19.4	29.0

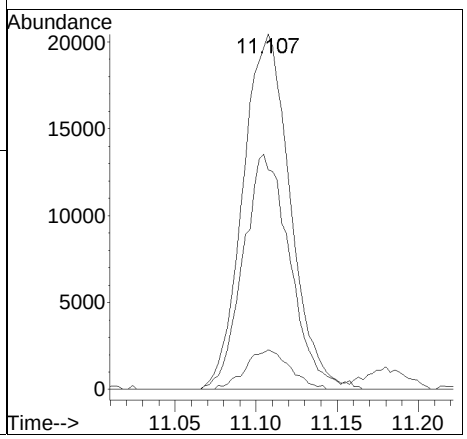


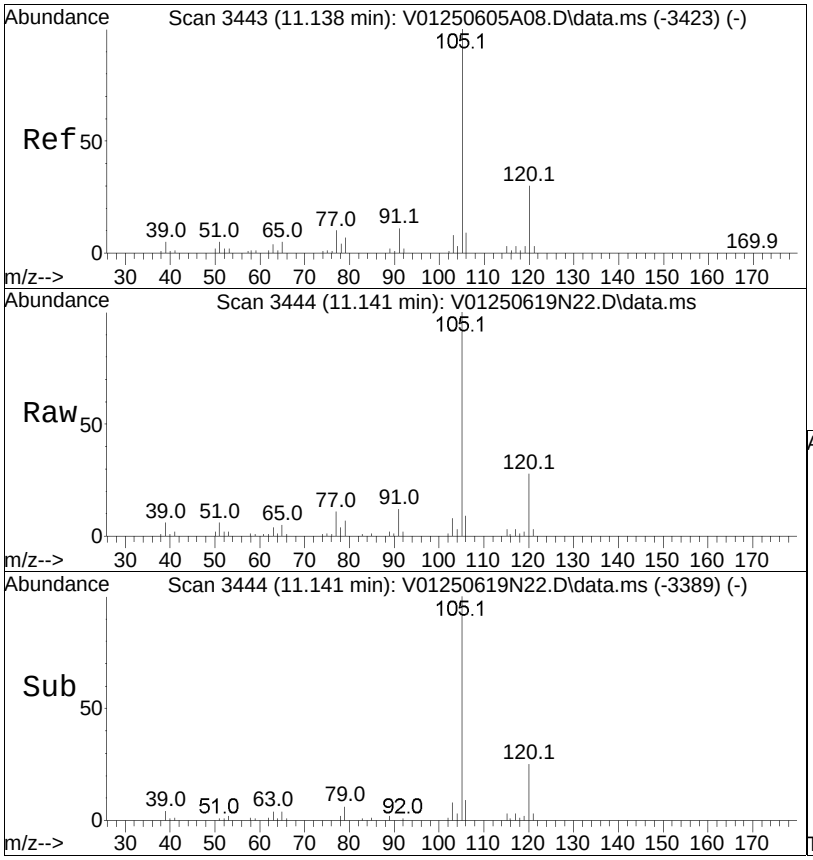


#87
1,1,2,2-Tetrachloroethane
Concen: 9.13 ug/L
RT: 11.107 min Scan# 3432
Delta R.T. 0.002 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 83 Resp: 41621

Ion	Ratio	Lower	Upper
83	100		
131	10.5	0.0	30.3
85	65.3	46.1	86.1

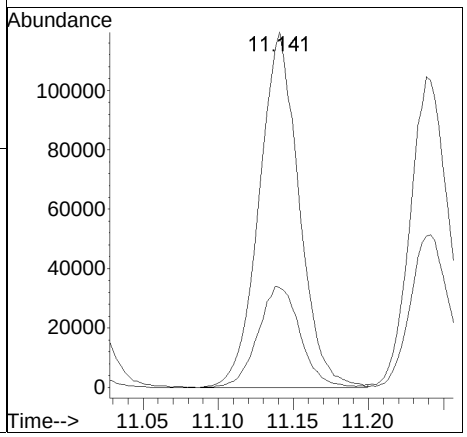


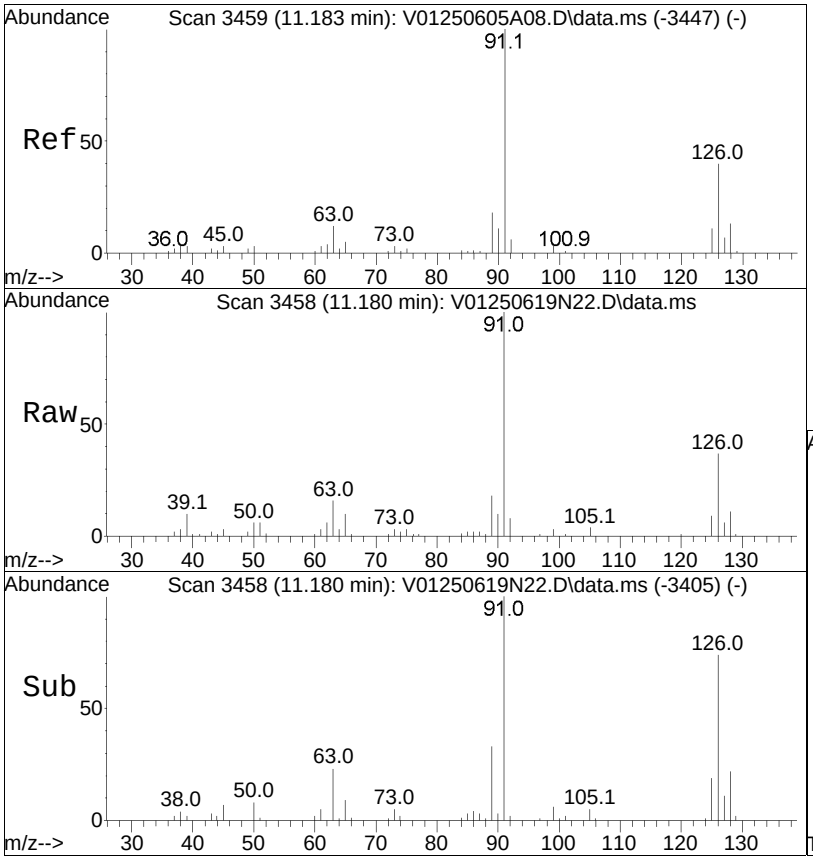


#88
4-Ethyltoluene
Concen: 8.86 ug/L
RT: 11.141 min Scan# 3444
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:105 Resp: 220527

Ion	Ratio	Lower	Upper
105	100		
120	30.1	20.0	41.4

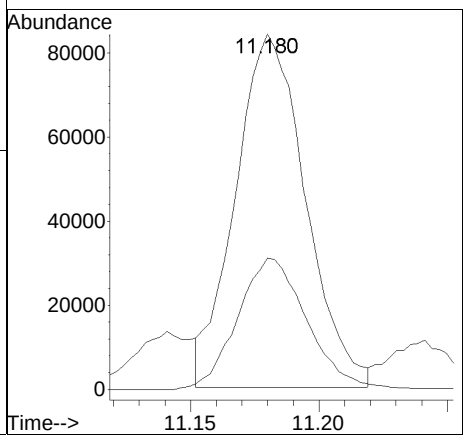


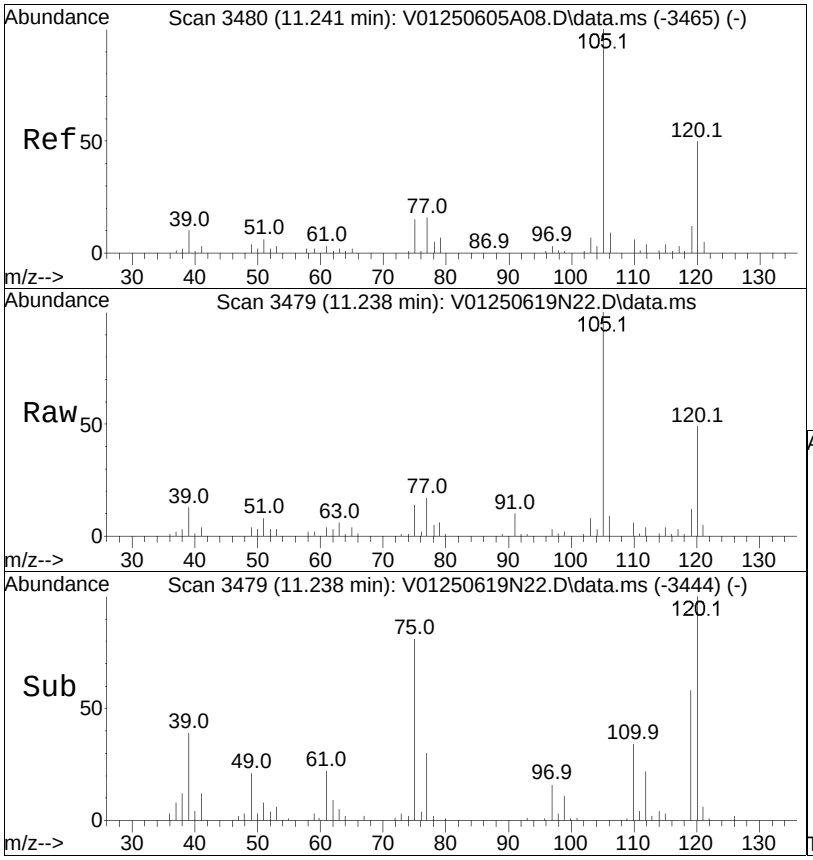


#89
2-Chlorotoluene
Concen: 9.07 ug/L
RT: 11.180 min Scan# 3458
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 91 Resp: 159456

Ion	Ratio	Lower	Upper
91	100		
126	36.7	29.0	43.4

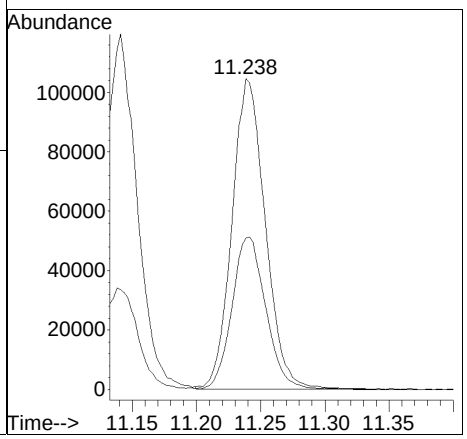


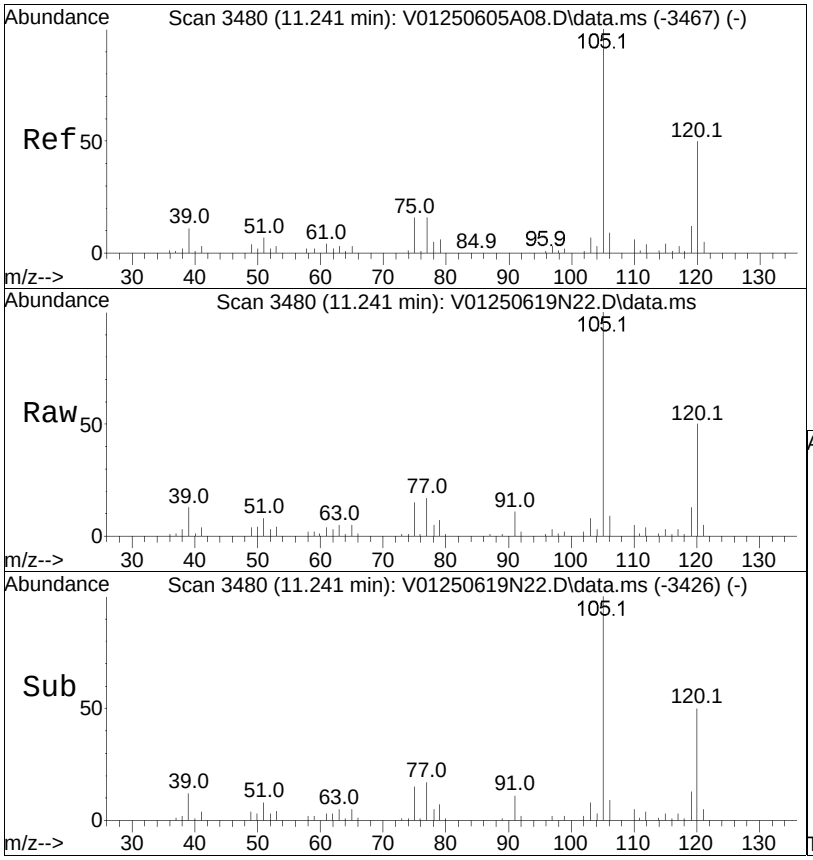


#90
1,3,5-Trimethylbenzene
Concen: 8.85 ug/L
RT: 11.238 min Scan# 3479
Delta R.T. -0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:105 Resp: 188012

Ion	Ratio	Lower	Upper
105	100		
120	50.2	40.7	61.1

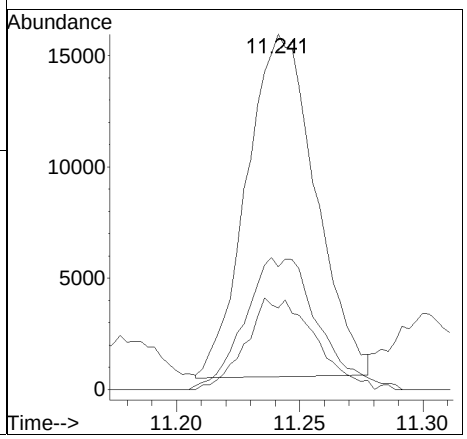


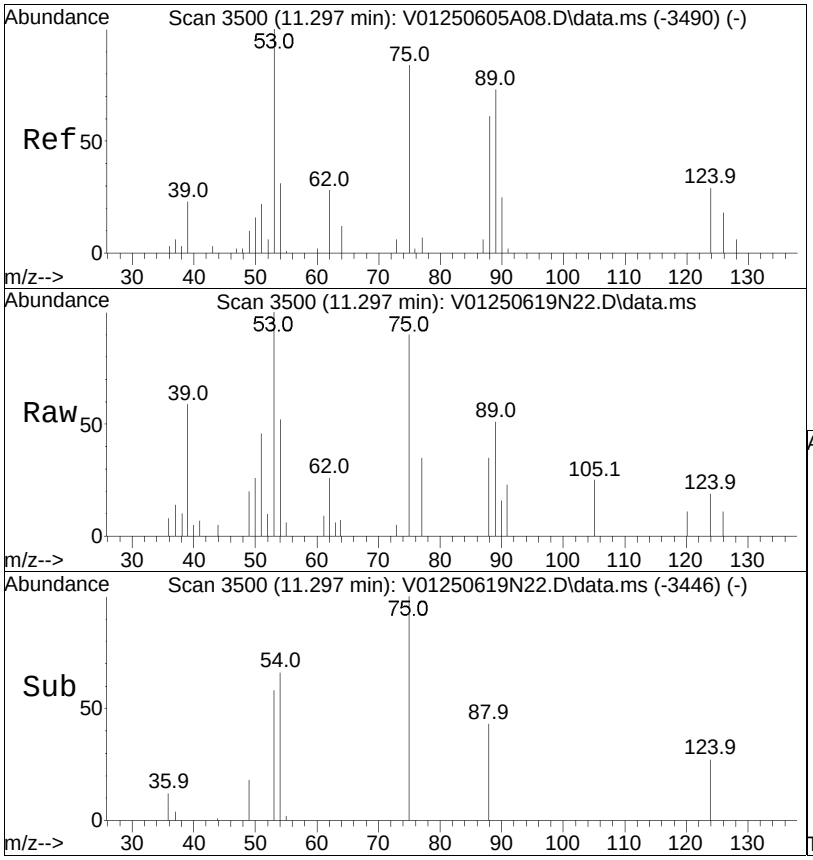


#91
1,2,3-Trichloropropane
Concen: 8.52 ug/L
RT: 11.241 min Scan# 3480
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 75 Resp: 29827

Ion	Ratio	Lower	Upper
75	100		
110	20.0	24.8	51.6#
112	26.7	16.3	33.9

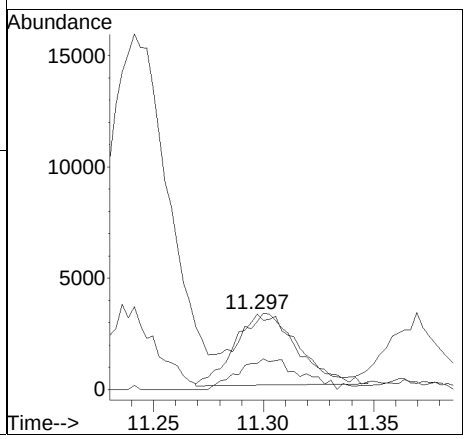


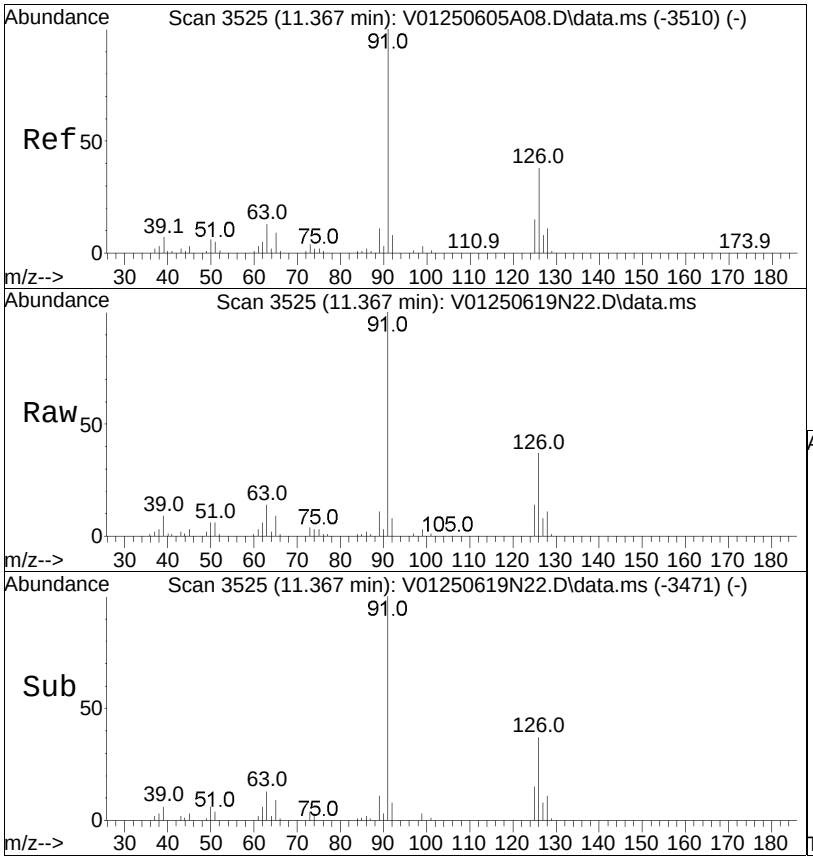


#92
trans-1,4-Dichloro-2-butene
Concen: 6.13 ug/L
RT: 11.297 min Scan# 3500
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 53 Resp: 6430

Ion	Ratio	Lower	Upper
53	100		
88	41.0	39.4	59.0
75	80.5	93.8	140.8#

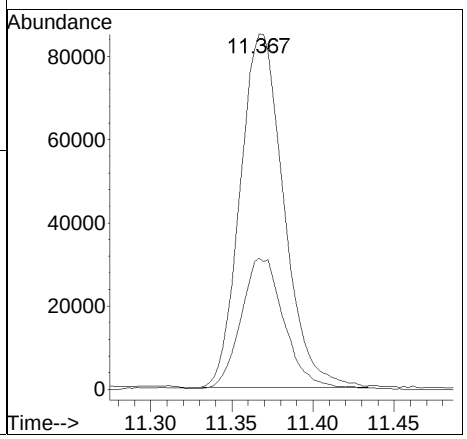


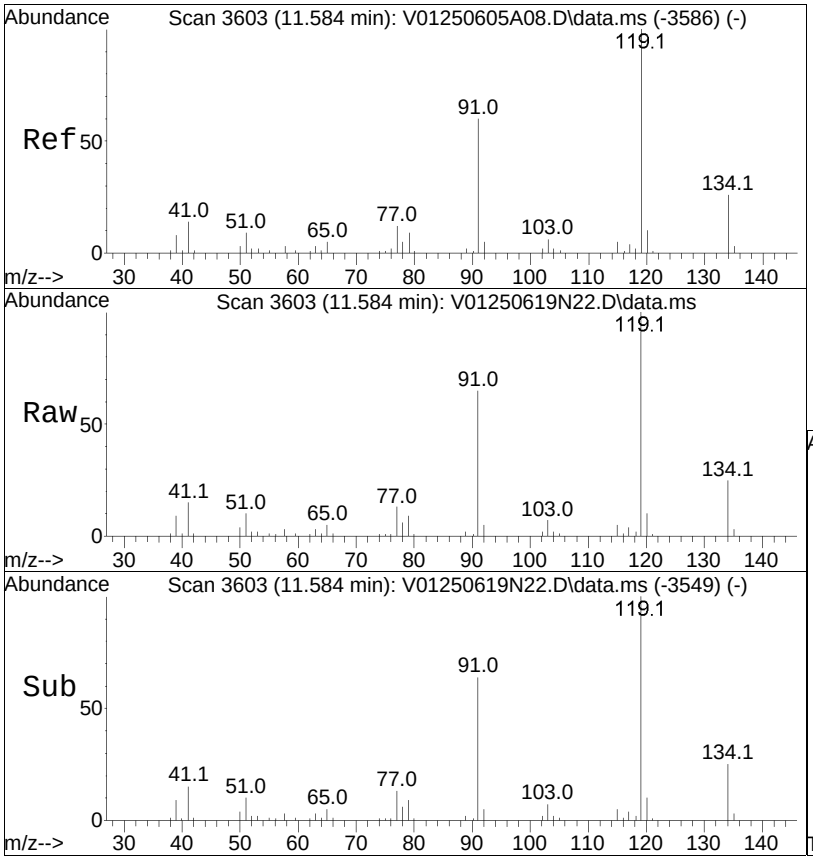


#93
4-Chlorotoluene
Concen: 8.96 ug/L
RT: 11.367 min Scan# 3525
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 91 Resp: 159341

Ion	Ratio	Lower	Upper
91	100		
126	37.3	29.7	44.5

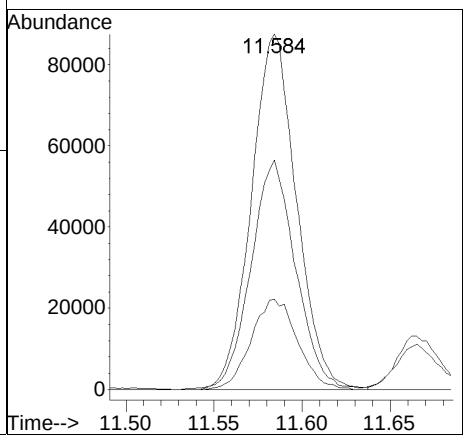


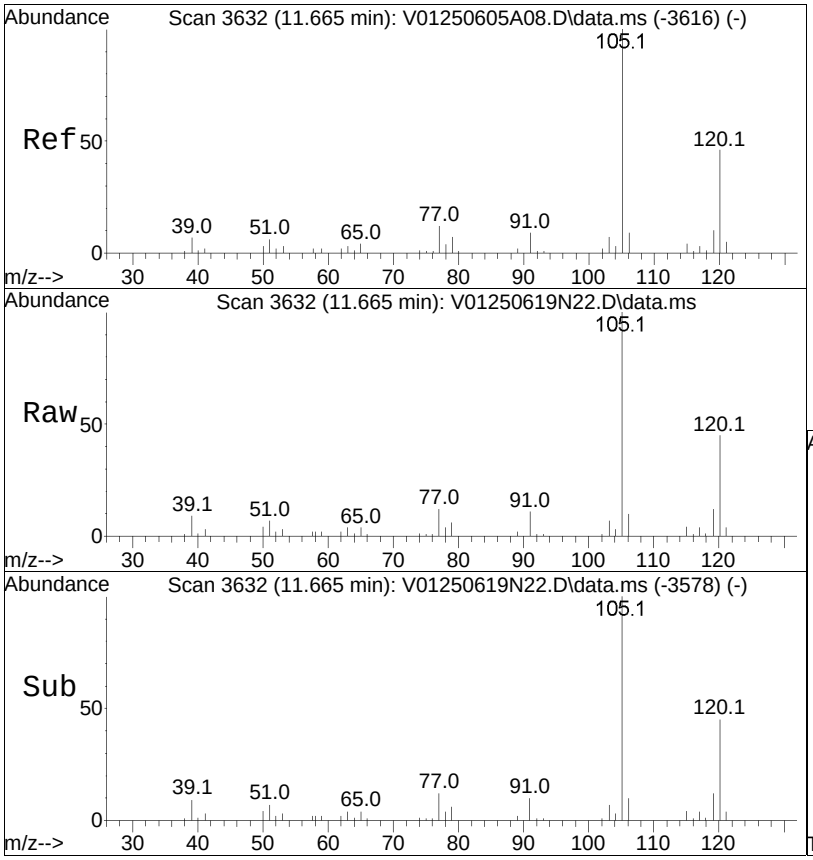


#94
tert-Butylbenzene
Concen: 8.70 ug/L
RT: 11.584 min Scan# 3603
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:119 Resp: 156219

Ion	Ratio	Lower	Upper
119	100		
91	64.0	50.0	75.0
134	26.0	20.8	31.2

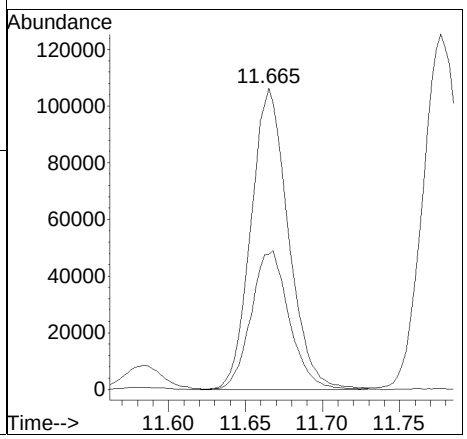


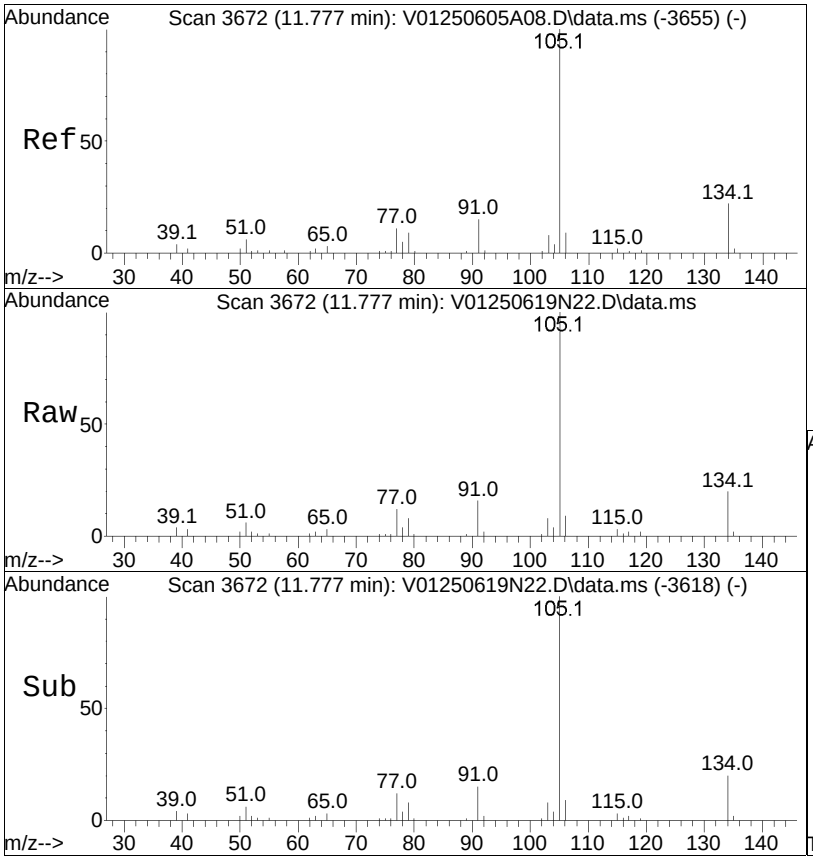


#97
1,2,4-Trimethylbenzene
Concen: 8.76 ug/L
RT: 11.665 min Scan# 3632
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:105 Resp: 179347

Ion	Ratio	Lower	Upper
105	100		
120	47.0	38.2	57.4

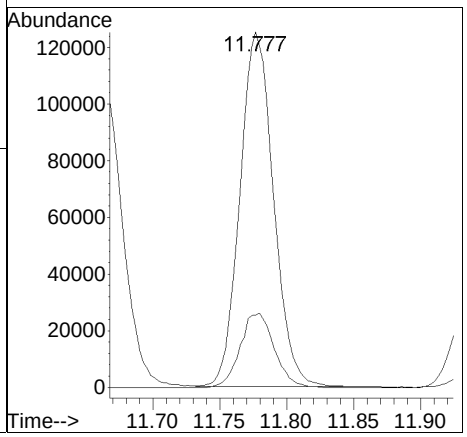


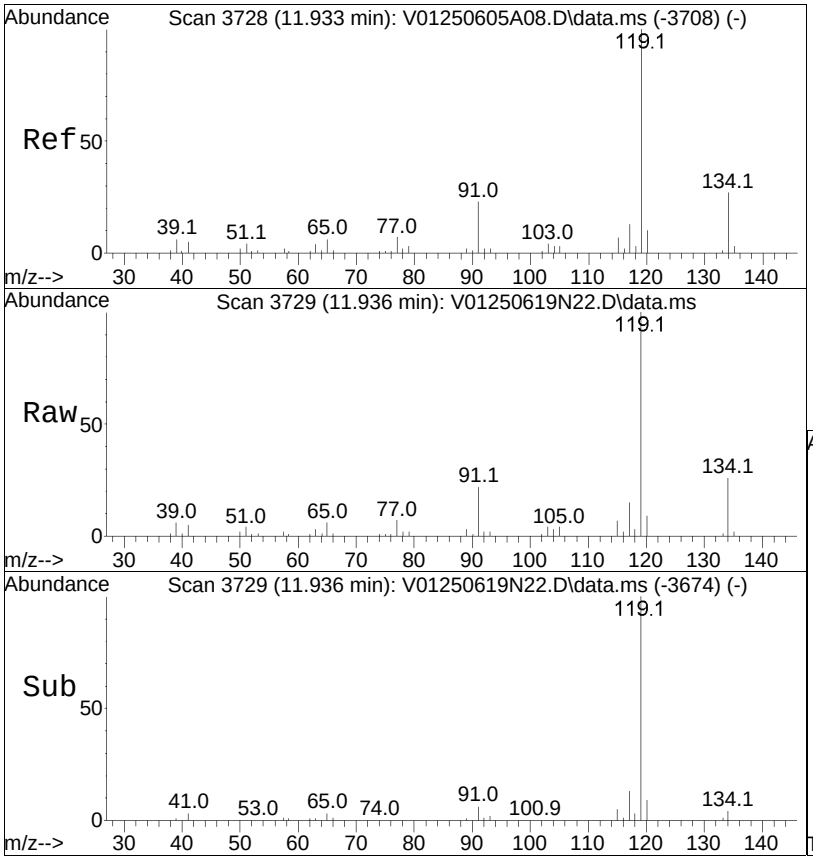


#98
sec-Butylbenzene
Concen: 8.59 ug/L
RT: 11.777 min Scan# 3672
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:105 Resp: 218672

Ion	Ratio	Lower	Upper
105	100		
134	21.1	14.0	29.2

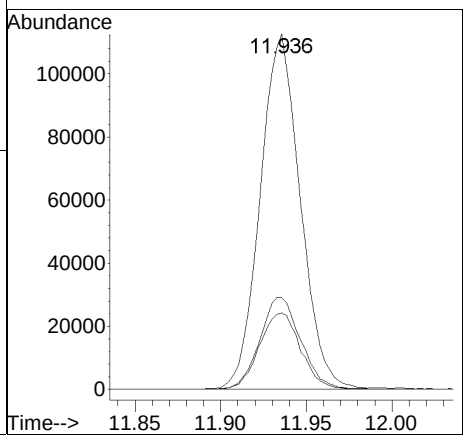


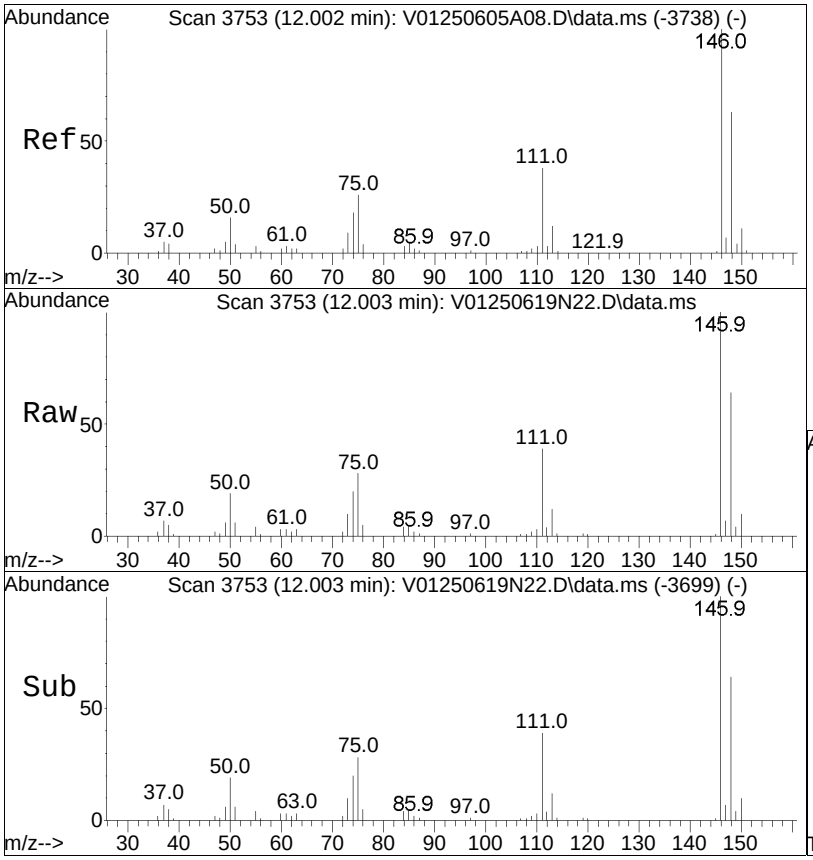


#99
p-Isopropyltoluene
Concen: 8.44 ug/L
RT: 11.936 min Scan# 3729
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:119 Resp: 183775

Ion	Ratio	Lower	Upper
119	100		
134	26.4	17.8	37.0
91	22.2	14.5	30.1

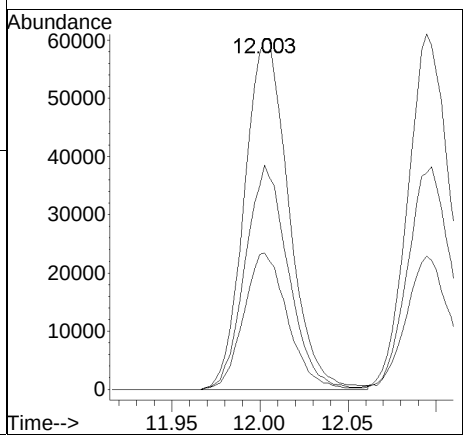


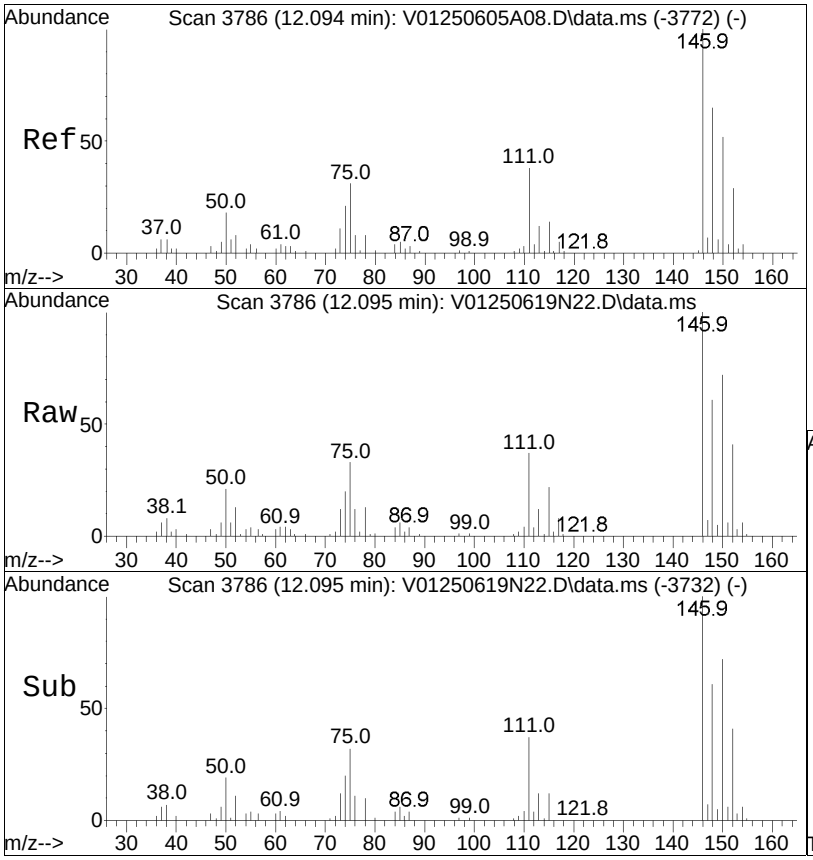


#100
1,3-Dichlorobenzene
Concen: 9.03 ug/L
RT: 12.003 min Scan# 3753
Delta R.T. 0.001 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:146 Resp: 105351

Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.2	52.4
148	62.1	41.3	85.9

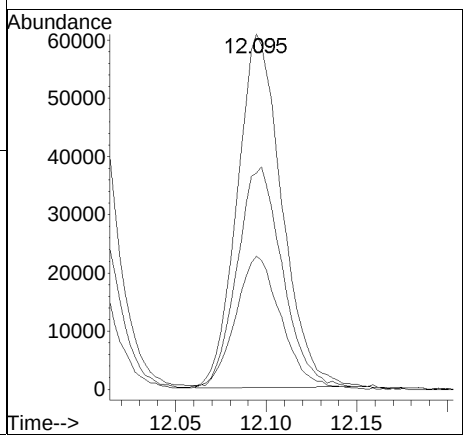


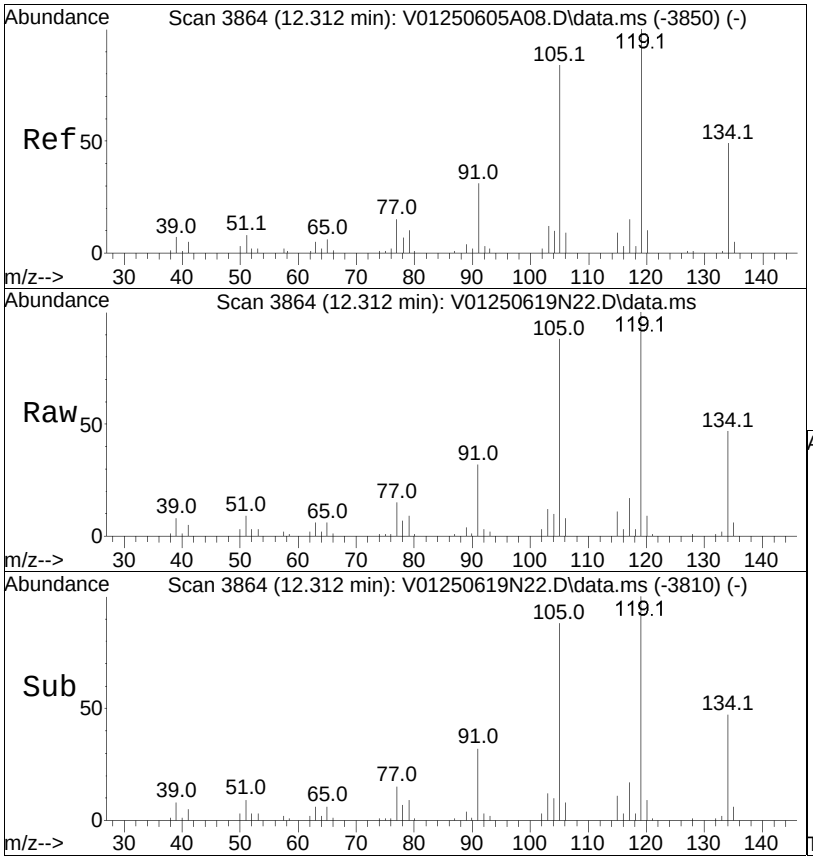


#101
1,4-Dichlorobenzene
Concen: 8.70 ug/L
RT: 12.095 min Scan# 3786
Delta R.T. 0.001 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:146 Resp: 104433

Ion	Ratio	Lower	Upper
146	100		
111	39.1	30.1	45.1
148	64.7	50.8	76.2

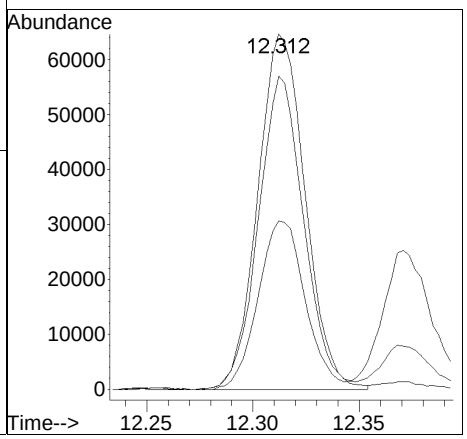


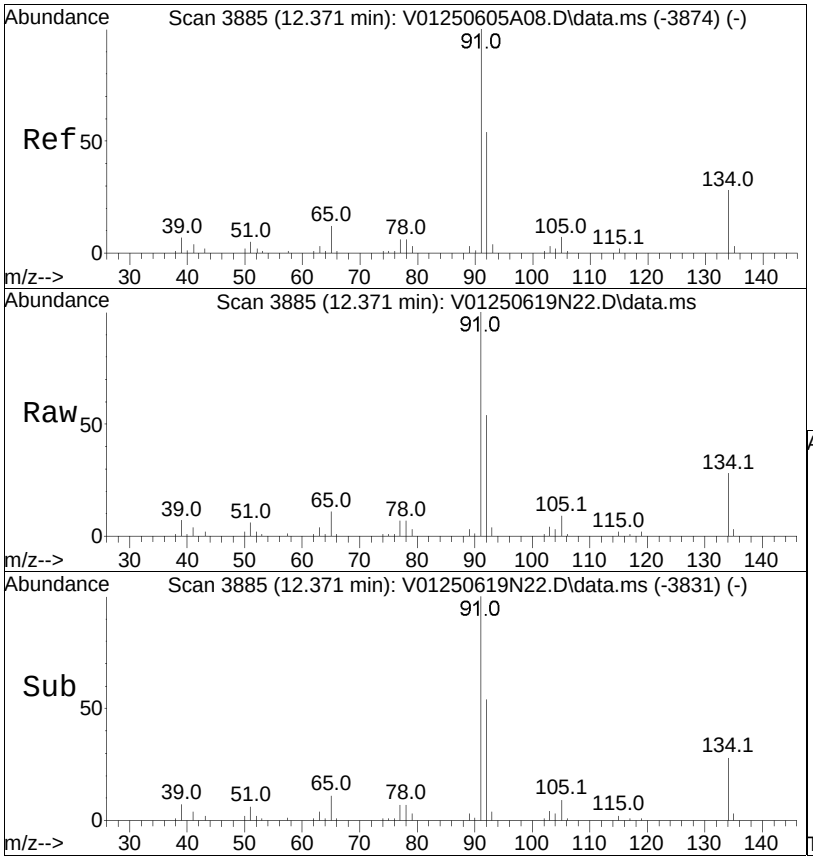


#102
p-Diethylbenzene
Concen: 8.07 ug/L
RT: 12.312 min Scan# 3864
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:119 Resp: 100158

Ion	Ratio	Lower	Upper
119	100		
105	84.5	53.6	111.4
134	47.1	30.7	63.9

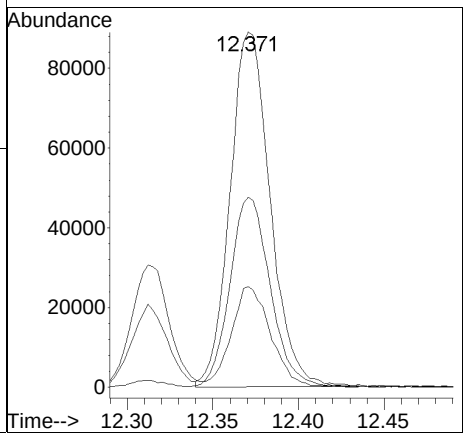


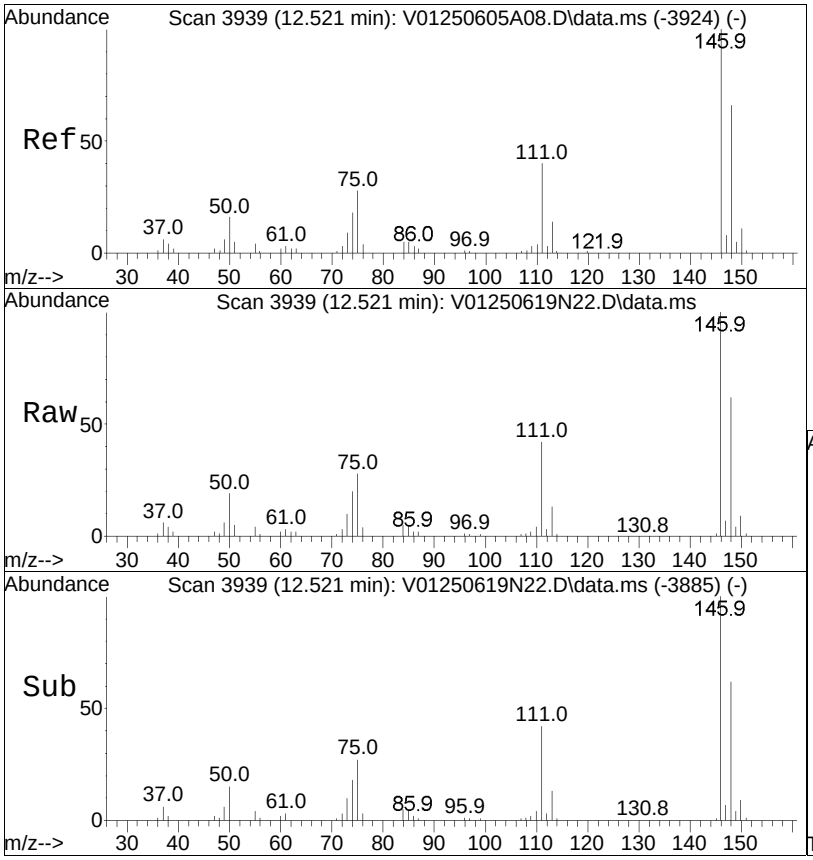


#103
n-Butylbenzene
Concen: 8.42 ug/L
RT: 12.371 min Scan# 3885
Delta R.T. -0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion: 91 Resp: 145254

Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.4	66.6
134	28.2	23.2	34.8

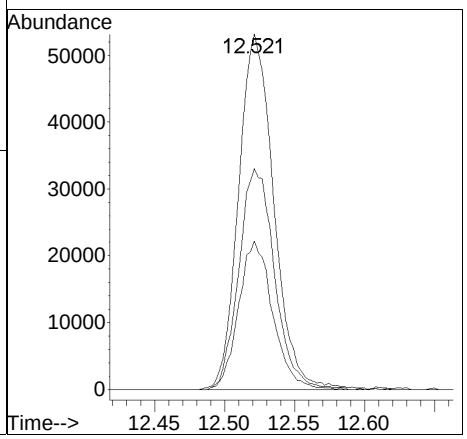


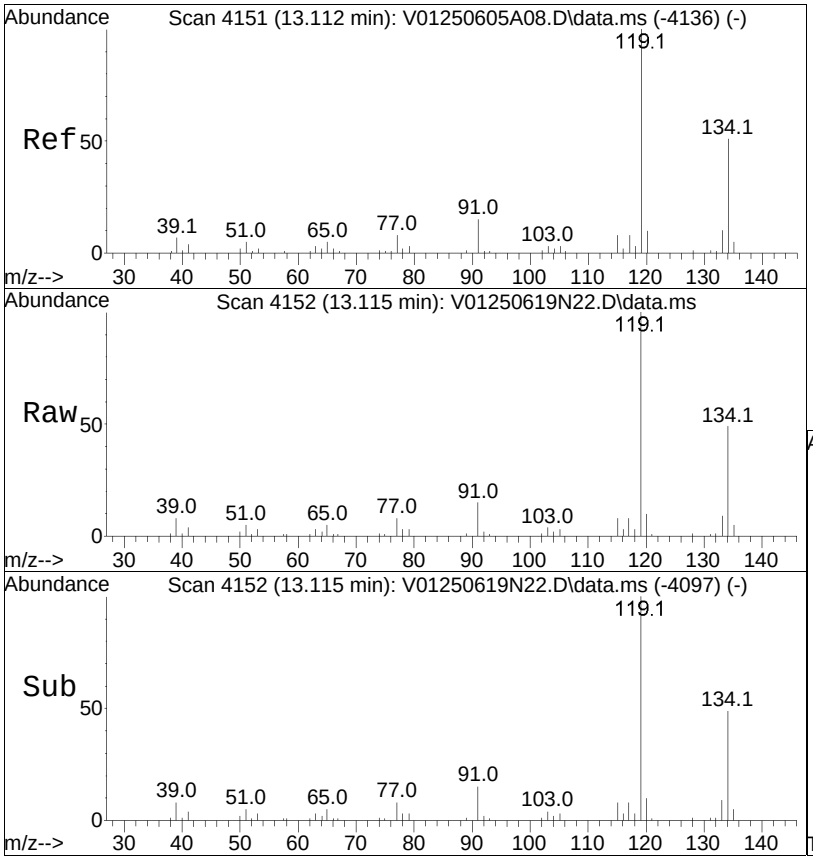


#104
1,2-Dichlorobenzene
Concen: 8.99 ug/L
RT: 12.521 min Scan# 3939
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:146 Resp: 93007

Ion	Ratio	Lower	Upper
146	100		
111	40.4	26.2	54.4
148	63.0	41.5	86.3

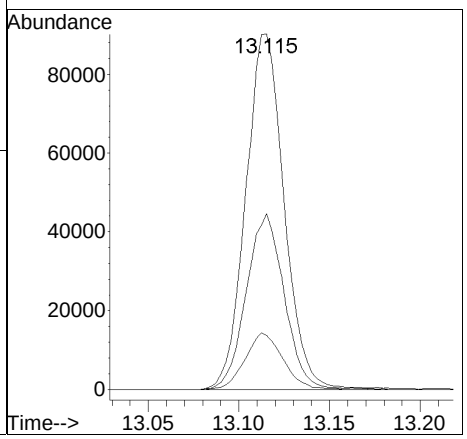


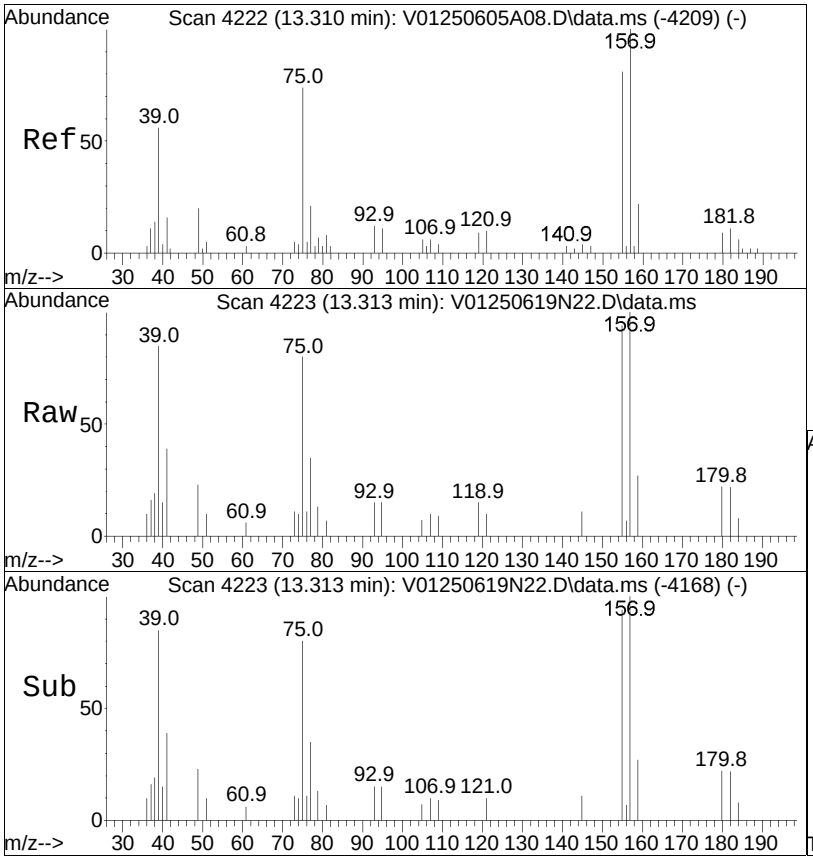


#105
1,2,4,5-Tetramethylbenzene
Concen: 7.59 ug/L
RT: 13.115 min Scan# 4152
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:119 Resp: 132752

Ion	Ratio	Lower	Upper
119	100		
134	48.9	32.3	67.1
91	15.6	9.8	20.3

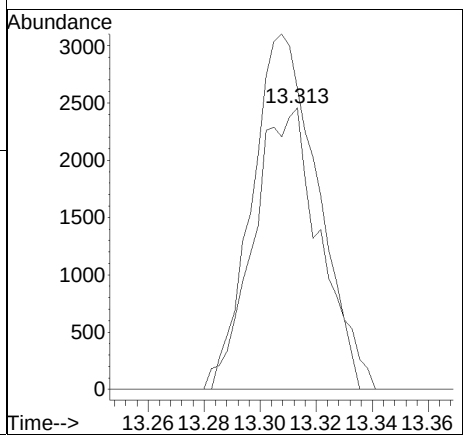


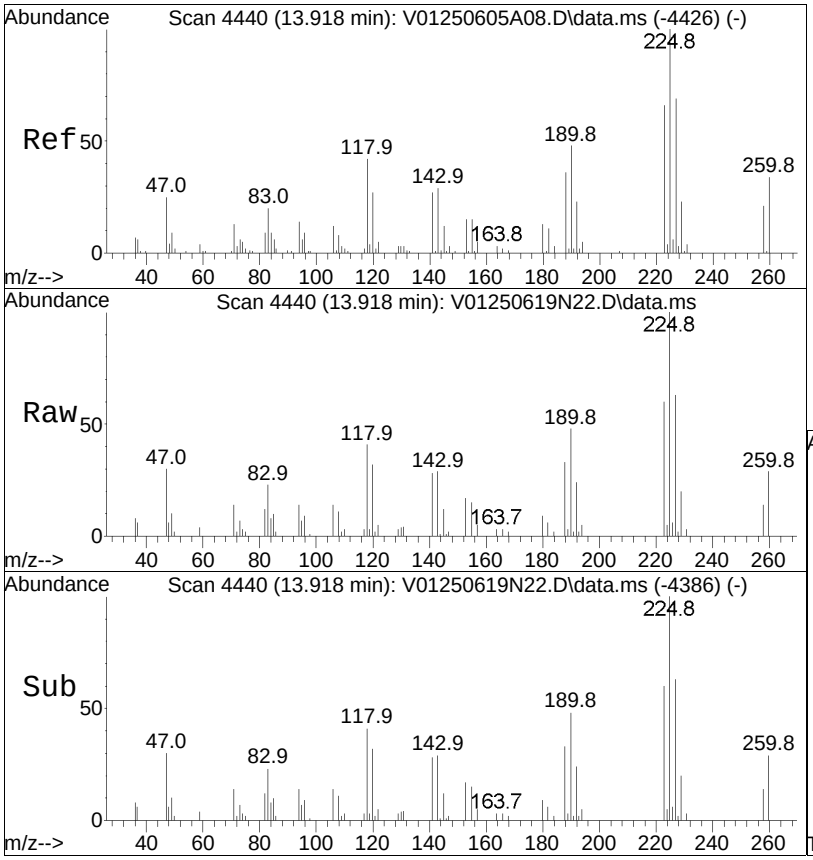


#106
1,2-Dibromo-3-chloropropane
Concen: 6.21 ug/L
RT: 13.313 min Scan# 4223
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:155 Resp: 3973

Ion	Ratio	Lower	Upper
155	100		
157	128.5	104.3	156.5

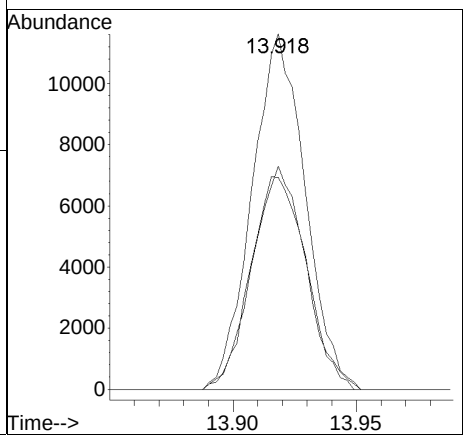


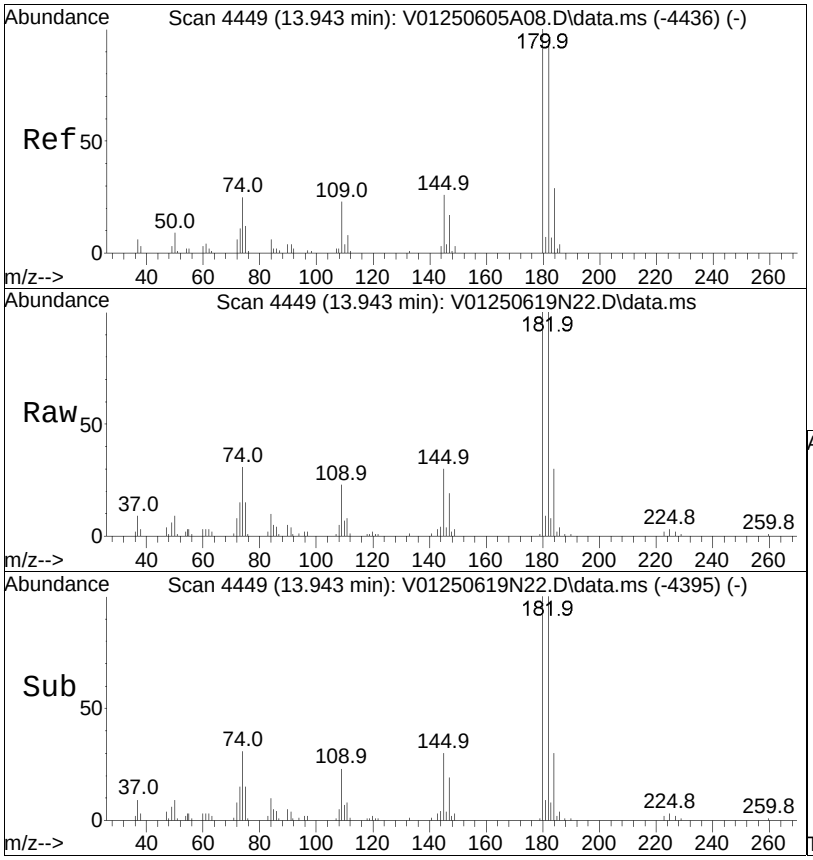


#108
Hexachlorobutadiene
Concen: 6.85 ug/L
RT: 13.918 min Scan# 4440
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:225 Resp: 17411

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.8	76.2
227	63.2	51.8	77.8

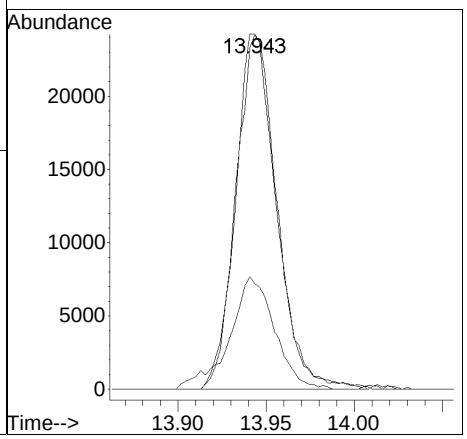


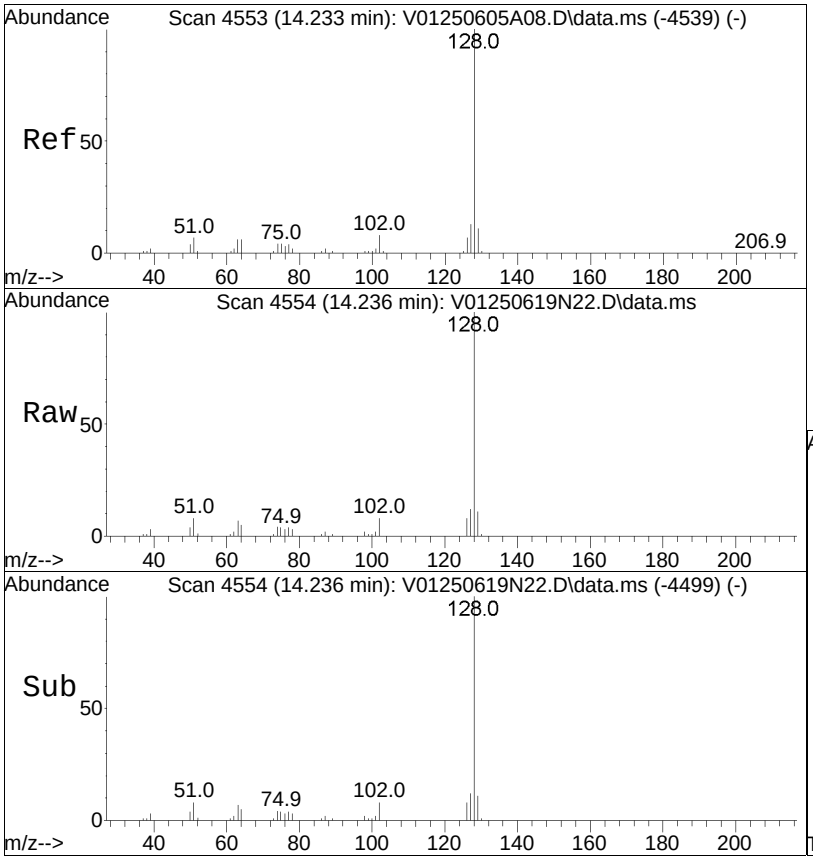


#109
1,2,4-Trichlorobenzene
Concen: 7.16 ug/L
RT: 13.943 min Scan# 4449
Delta R.T. 0.000 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:180 Resp: 40073

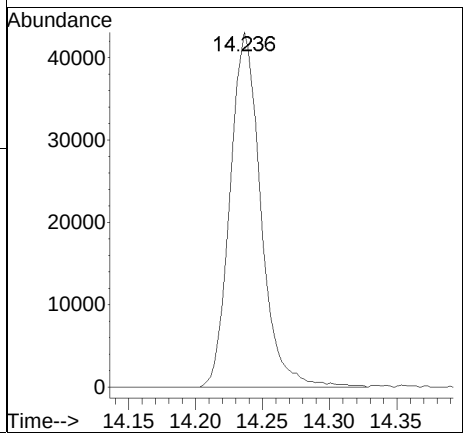
Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.2	115.8
145	34.2	26.1	39.1

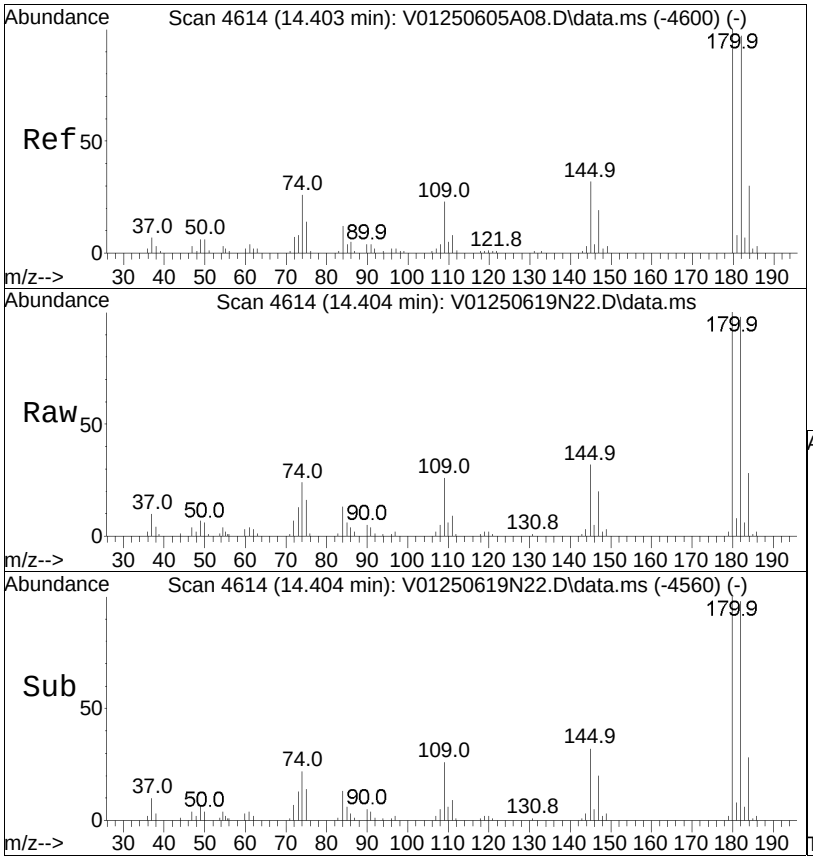




#110
Naphthalene
Concen: 6.84 ug/L
RT: 14.236 min Scan# 4554
Delta R.T. 0.003 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:128 Resp: 69164

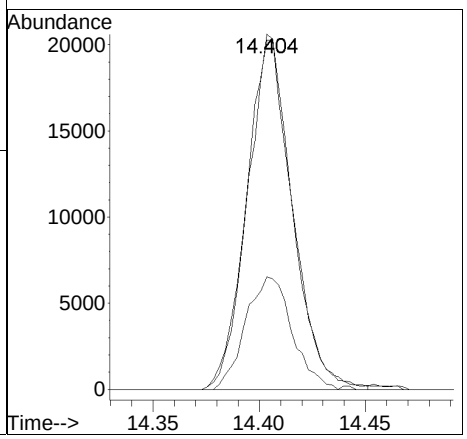




#111
1,2,3-Trichlorobenzene
Concen: 7.21 ug/L
RT: 14.404 min Scan# 4614
Delta R.T. 0.001 min
Lab File: V01250619N22.D
Acq: 20 Jun 2025 5:18 am

Tgt Ion:180 Resp: 30834

Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.1	117.1
145	32.2	25.3	37.9



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N22.D	Operator	: VOA101:MJV
Date Inj'd	: 6/20/2025 5:18 am	Instrument	: VOA 101
Sample	: WG2081999-6,31,10,10,,a1	Quant Date	: 6/22/2025 11:45 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A27.D
Acq On : 19 Jun 2025 8:36 pm
Operator : ELAINE:mjv
Sample : WG2081757-7,31,10,10,,A2 (Sig #1); L2535869-07MSD,31,10,10,,A2 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 21 09:05:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.746	96	262589	10.000	ug/L	0.00
Standard Area 1 = 268738			Recovery = 97.71%			
63) Chlorobenzene-d5	9.253	117	216231	10.000	ug/L	0.00
Standard Area 1 = 217636			Recovery = 99.35%			
84) 1,4-Dichlorobenzene-d4	12.010	152	134284	10.000	ug/L	0.00
Standard Area 1 = 131839			Recovery = 101.85%			
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	76479	10.460	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 104.60%			
47) 1,2-Dichloroethane-d4	5.465	65	77087	10.648	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 106.48%			
64) Toluene-d8	7.420	98	267505	9.816	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 98.16%			
88) 4-Bromofluorobenzene	10.777	95	96709	8.934	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 89.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	57819	6.830	ug/L	99
3) Chloromethane	1.693	50	68764	7.670	ug/L	99
4) Vinyl chloride	1.759	62	82158	10.642	ug/L	99
5) Bromomethane	2.049	94	29941	6.972	ug/L	98
6) Chloroethane	2.154	64	62857	12.551	ug/L	95
7) Trichlorofluoromethane	2.291	101	108971	10.844	ug/L	98
8) Ethyl ether	2.576	74	37872	11.979	ug/L	85
10) 1,1-Dichloroethene	2.752	96	69306	11.686	ug/L	81
11) Carbon disulfide	2.782	76	205642	10.990	ug/L	100
15) Methylene chloride	3.287	84	70383	10.821	ug/L	86
17) Acetone	3.331	43	16108	11.083	ug/L	93
18) trans-1,2-Dichloroethene	3.441	96	65920	10.878	ug/L	87
21) Methyl tert-butyl ether	3.533	73	378071	27.336	ug/L #	88
25) 1,1-Dichloroethane	4.007	63	122023	10.202	ug/L	97
27) Acrylonitrile	4.047	53	17624	9.985	ug/L	93
29) Vinyl acetate	4.231	43	77272	6.777	ug/L	98
30) cis-1,2-Dichloroethene	4.512	96	75131	10.705	ug/L	83
31) 2,2-Dichloropropane	4.613	77	77832	8.383	ug/L	85
33) Bromochloromethane	4.701	128	36579	10.933	ug/L #	71
35) Chloroform	4.776	83	115012	10.300	ug/L	96

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A27.D
Acq On : 19 Jun 2025 8:36 pm
Operator : ELAINE:mjv
Sample : WG2081757-7,31,10,10,,A2 (Sig #1); L2535869-07MSD,31,10,10,,A2 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 21 09:05:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
37) Carbon tetrachloride	4.903	117	103698	13.193	ug/L		90
40) 1,1,1-Trichloroethane	4.969	97	96433	10.612	ug/L		95
42) 2-Butanone	5.061	43	18986	9.057	ug/L		94
43) 1,1-Dichloropropene	5.087	75	69945	10.067	ug/L		97
45) Benzene	5.329	78	239187	10.025	ug/L		96
48) 1,2-Dichloroethane	5.535	62	73246	10.280	ug/L		98
52) Trichloroethene	5.922	95	58042	9.944	ug/L		92
54) Dibromomethane	6.357	93	34422	10.127	ug/L		87
55) 1,2-Dichloropropane	6.461	63	60475	9.726	ug/L		98
58) Bromodichloromethane	6.538	83	78679	9.775	ug/L		98
61) 1,4-Dioxane	6.746	88	25470	859.493	ug/L	#	88
62) cis-1,3-Dichloropropene	7.221	75	81618	9.106	ug/L		91
65) Toluene	7.479	92	154721	9.807	ug/L		98
66) 4-Methyl-2-pentanone	7.909	58	14273	9.112	ug/L		89
67) Tetrachloroethene	7.927	166	72925	11.063	ug/L		97
69) trans-1,3-Dichloropropene	7.963	75	70924	9.262	ug/L		93
71) Ethyl methacrylate	8.158	69	57369	8.707	ug/L		94
72) 1,1,2-Trichloroethane	8.153	83	37192	9.788	ug/L		91
73) Chlorodibromomethane	8.357	129	57524	9.702	ug/L		98
74) 1,3-Dichloropropane	8.461	76	81661	10.186	ug/L		98
75) 1,2-Dibromoethane	8.628	107	45976	10.072	ug/L		98
77) 2-Hexanone	8.918	43	25290	7.128	ug/L		98
78) Chlorobenzene	9.275	112	188001	10.191	ug/L		91
79) Ethylbenzene	9.316	91	307487	9.525	ug/L		97
80) 1,1,1,2-Tetrachloroethane	9.361	131	61534	10.129	ug/L		99
81) p/m Xylene	9.497	106	251629	18.650	ug/L		94
82) o Xylene	10.049	106	249751	18.705	ug/L		91
83) Styrene	10.117	104	415399	18.489	ug/L		94
85) Bromoform	10.144	173	39031	9.784	ug/L		95
87) Isopropylbenzene	10.446	105	321212	8.680	ug/L		96
89) Bromobenzene	10.887	156	85186	10.072	ug/L		97
90) n-Propylbenzene	10.944	91	386581	8.864	ug/L		97
91) 1,4-Dichlorobutane	10.957	55	82501	8.068	ug/L		100
92) 1,1,2,2-Tetrachloroethane	11.037	83	60258	10.267	ug/L		97
93) 4-Ethyltoluene	11.067	105	319145	8.585	ug/L		98
94) 2-Chlorotoluene	11.107	91	232420M6	8.981	ug/L		
95) 1,3,5-Trimethylbenzene	11.169	105	289712	8.888	ug/L		96
96) 1,2,3-Trichloropropane	11.173	75	47931	9.399	ug/L		93
97) trans-1,4-Dichloro-2-b...	11.230	53	15190	7.356	ug/L	#	76

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A27.D
Acq On : 19 Jun 2025 8:36 pm
Operator : ELAINE:mjv
Sample : WG2081757-7,31,10,10,,A2 (Sig #1); L2535869-07MSD,31,10,10,,A2 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 21 09:05:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250619A\VE250619A01.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98) 4-Chlorotoluene	11.297	91	235682	8.765	ug/L	93
99) tert-Butylbenzene	11.521	119	253748	8.953	ug/L	92
102) 1,2,4-Trimethylbenzene	11.596	105	285932	9.028	ug/L	95
103) sec-Butylbenzene	11.711	105	363763	8.940	ug/L	98
104) p-Isopropyltoluene	11.869	119	328368	9.093	ug/L	98
105) 1,3-Dichlorobenzene	11.931	146	180700	9.663	ug/L	96
106) 1,4-Dichlorobenzene	12.028	146	176255	9.551	ug/L	98
107) p-Diethylbenzene	12.248	119	189544	8.763	ug/L	96
108) n-Butylbenzene	12.305	91	270687	9.078	ug/L	97
109) 1,2-Dichlorobenzene	12.455	146	173919	9.997	ug/L	98
110) 1,2,4,5-Tetramethylben...	13.050	119	291923	8.663	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.239	155	11063	10.448	ug/L	91
113) Hexachlorobutadiene	13.852	225	42229	11.781	ug/L	99
114) 1,2,4-Trichlorobenzene	13.874	180	114988	10.109	ug/L	98
115) Naphthalene	14.165	128	245008	9.224	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	107254	10.518	ug/L	98

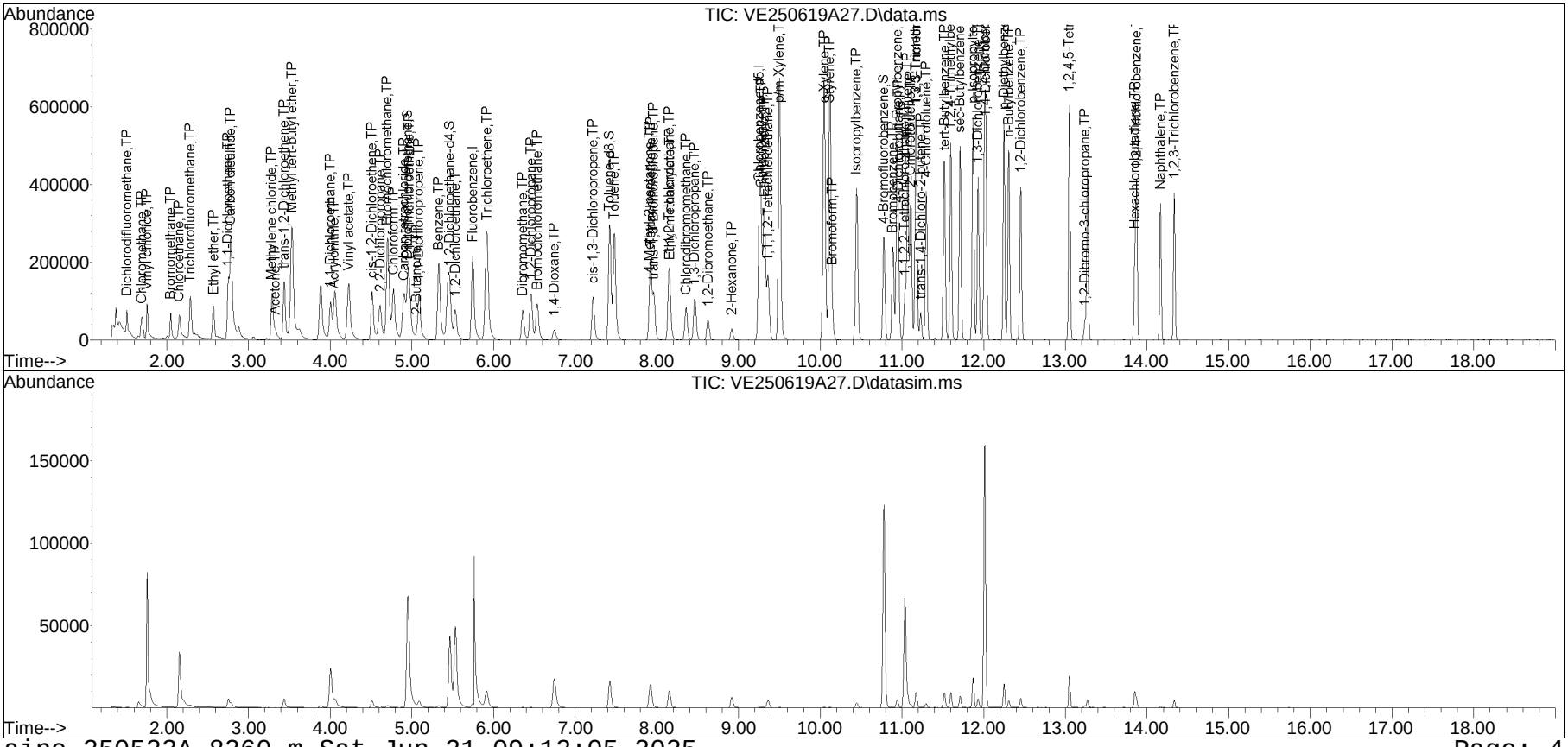
(#) = qualifier out of range (m) = manual integration (+) = signals summed

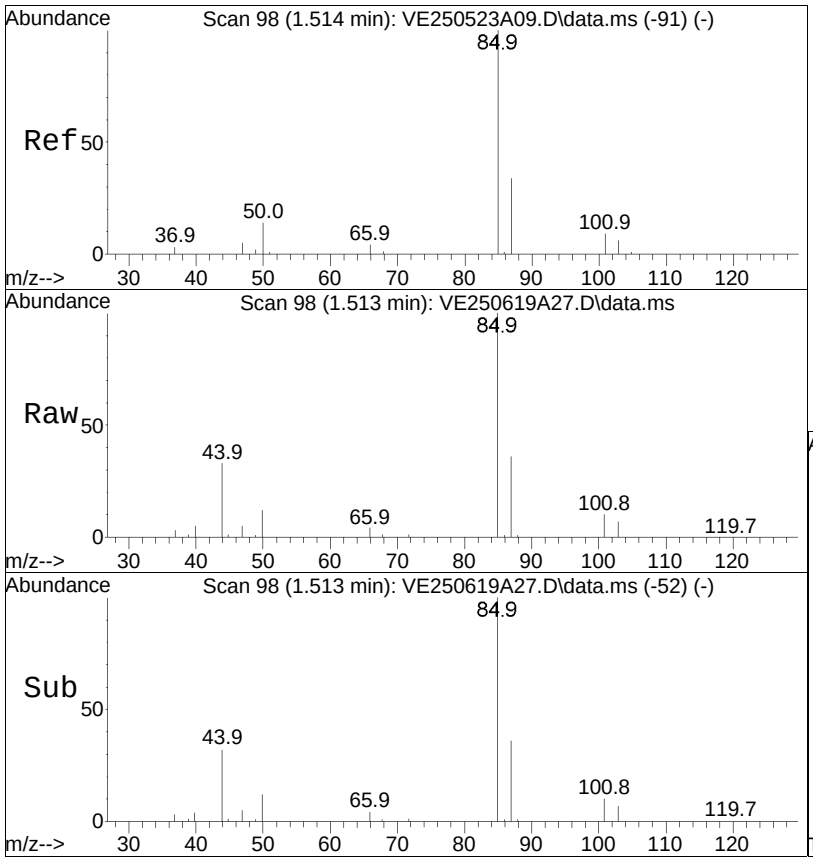
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A27.D
Acq On : 19 Jun 2025 8:36 pm
Operator : ELAINE:mjv
Sample : WG2081757-7,31,10,10,,A2 (Sig #1); L2535869-07MSD,31,10,10,,A2 (Sig #2)
Misc : WG2081757,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 21 09:05:24 2025
Quant Method : K:\Elaine\2025\250619A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox50619A01.D•

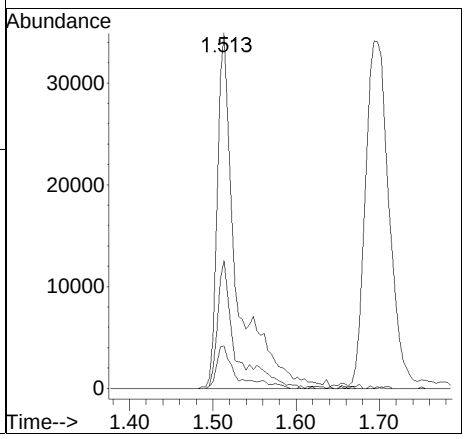


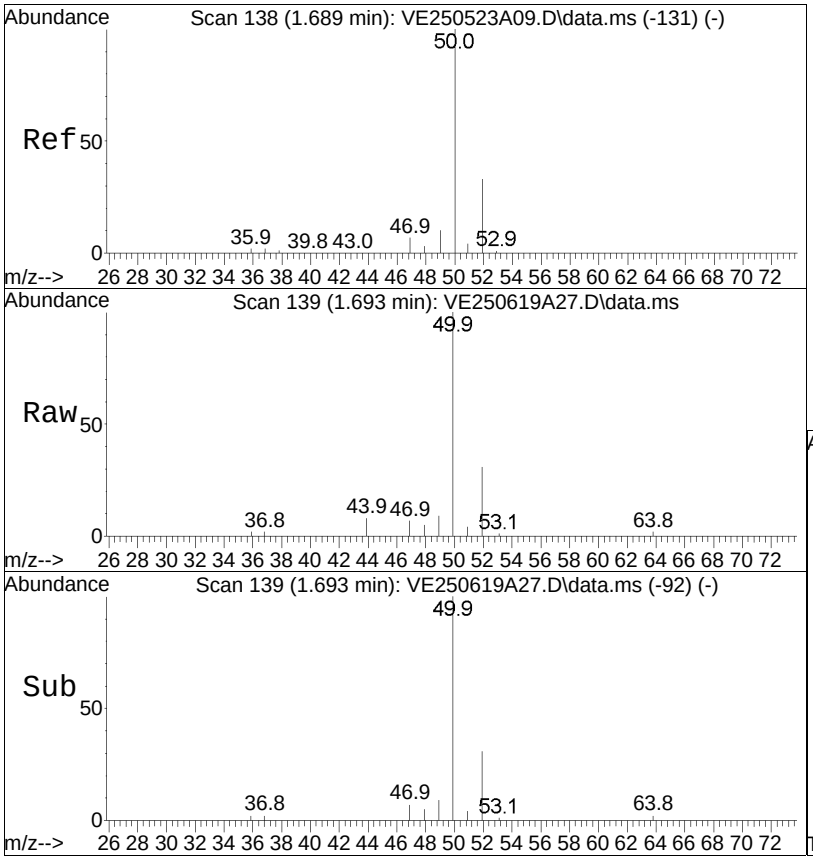


#2
Dichlorodifluoromethane
Concen: 6.83 ug/L
RT: 1.513 min Scan# 98
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 85 Resp: 57819

Ion	Ratio	Lower	Upper
85	100		
87	32.7	21.2	44.0
50	11.9	8.5	17.7

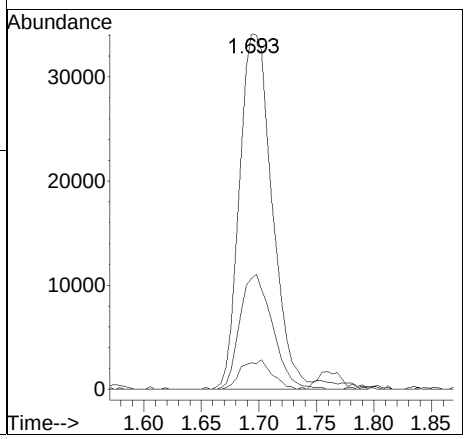


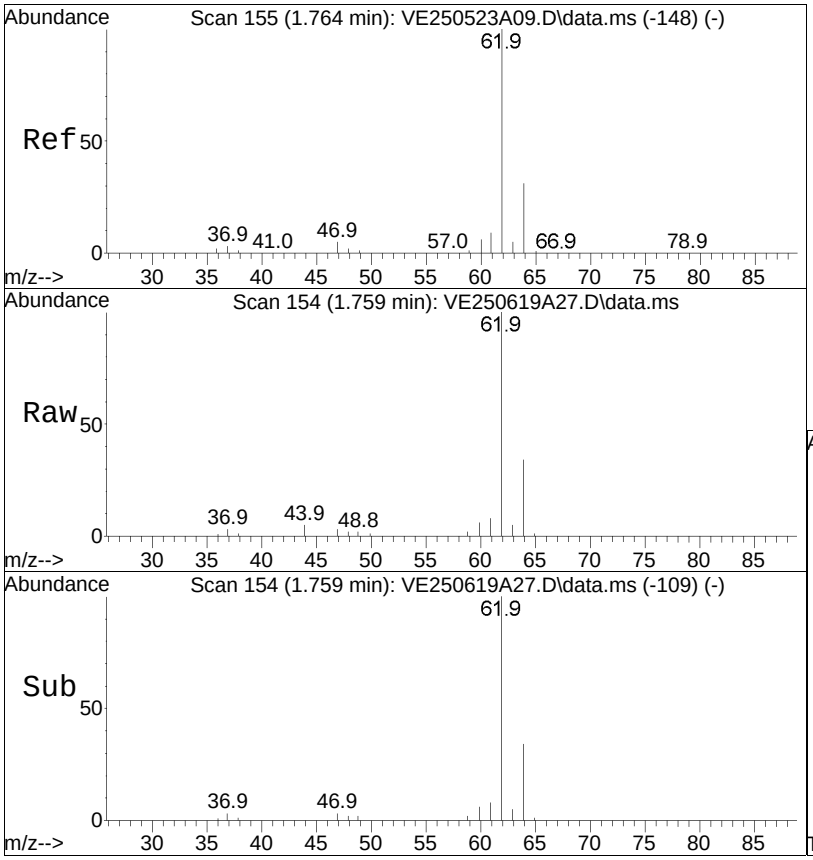


#3
Chloromethane
Concen: 7.67 ug/L
RT: 1.693 min Scan# 139
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 50 Resp: 68764

Ion	Ratio	Lower	Upper
50	100		
52	31.9	12.2	52.2
47	7.7	0.0	27.4

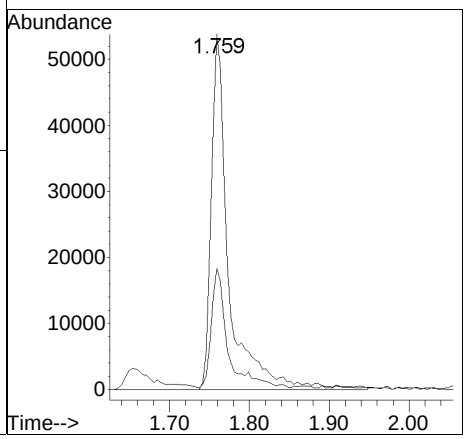


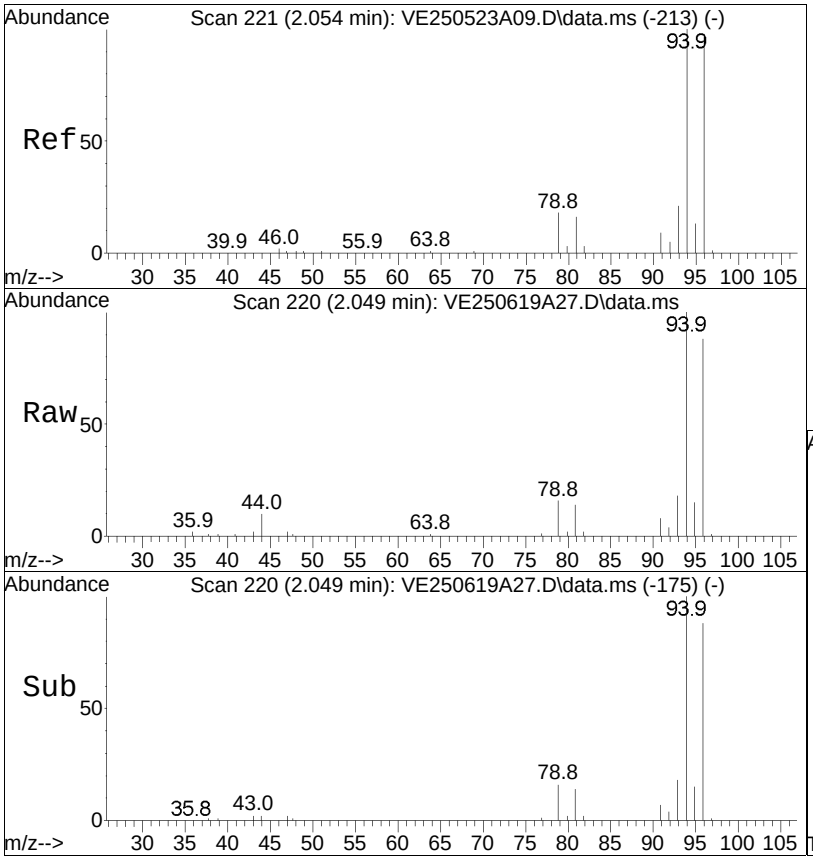


#4
Vinyl chloride
Concen: 10.64 ug/L
RT: 1.759 min Scan# 154
Delta R.T. -0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 62 Resp: 82158

Ion	Ratio	Lower	Upper
62	100		
64	32.8	12.2	52.2

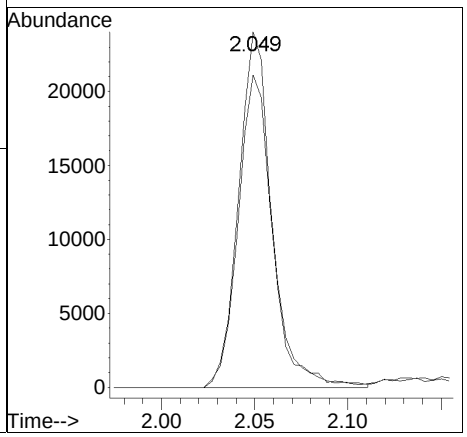


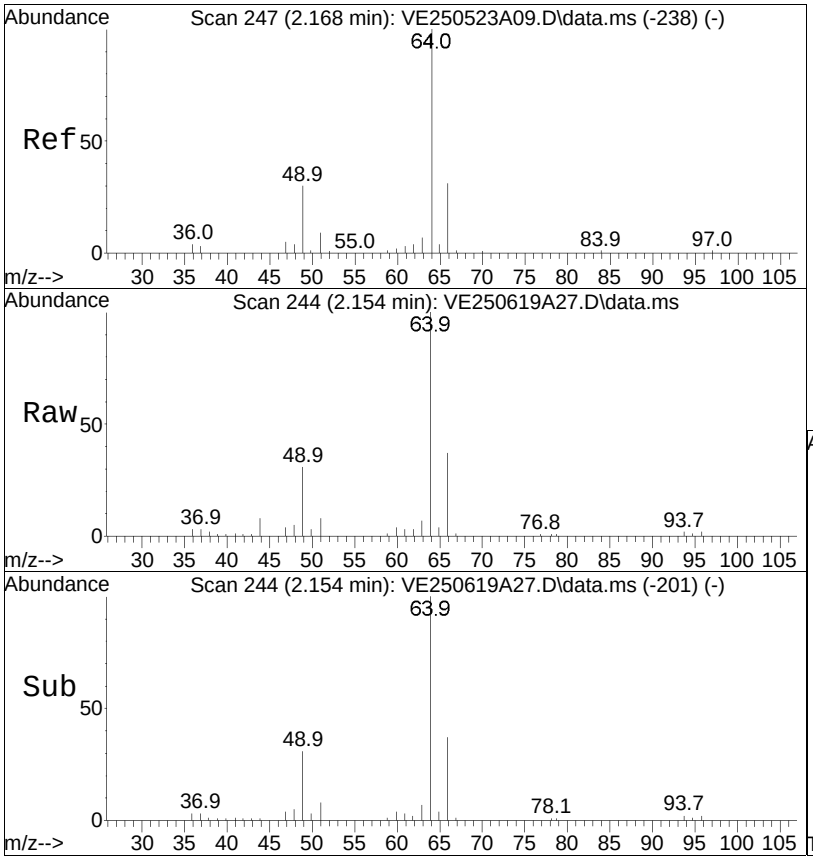


#5
Bromomethane
Concen: 6.97 ug/L
RT: 2.049 min Scan# 220
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 94 Resp: 29941

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.7	112.7

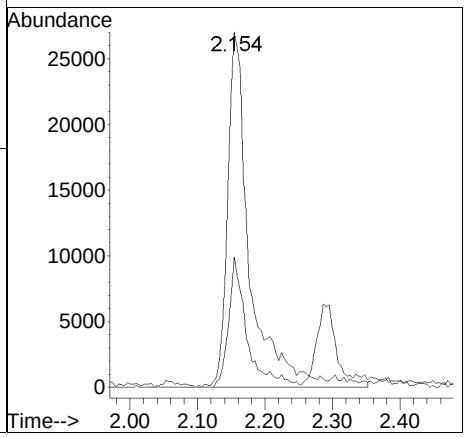


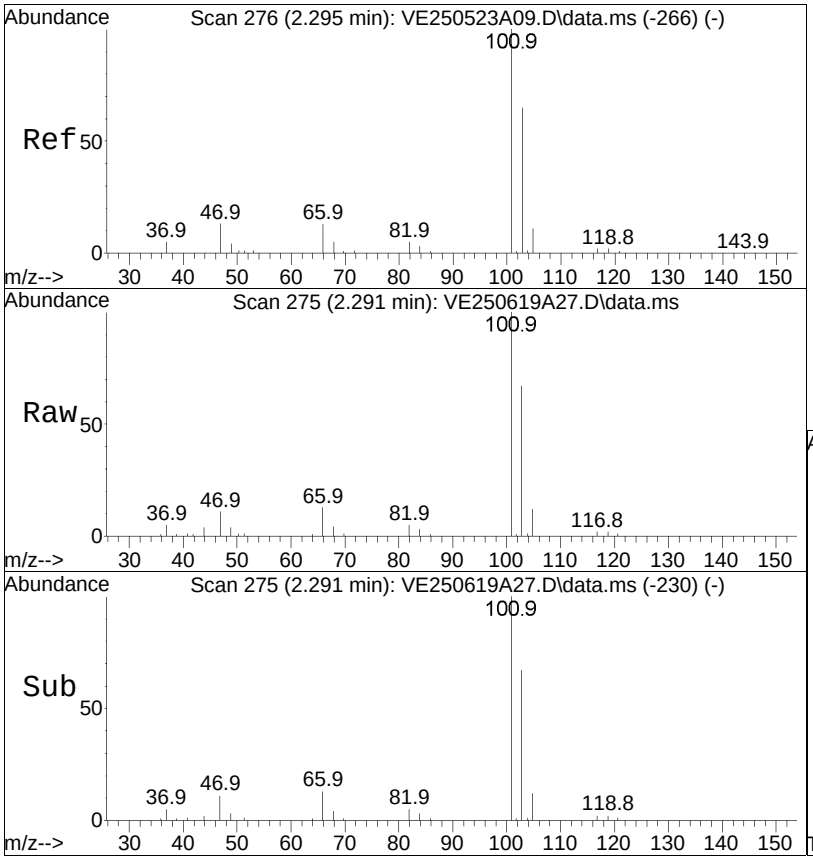


#6
Chloroethane
Concen: 12.55 ug/L
RT: 2.154 min Scan# 244
Delta R.T. -0.013 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 64 Resp: 62857

Ion	Ratio	Lower	Upper
64	100		
66	30.1	13.1	53.1

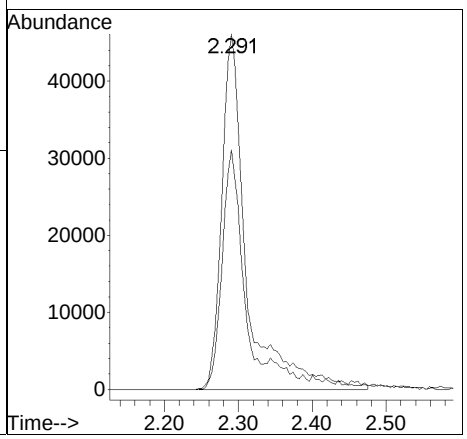


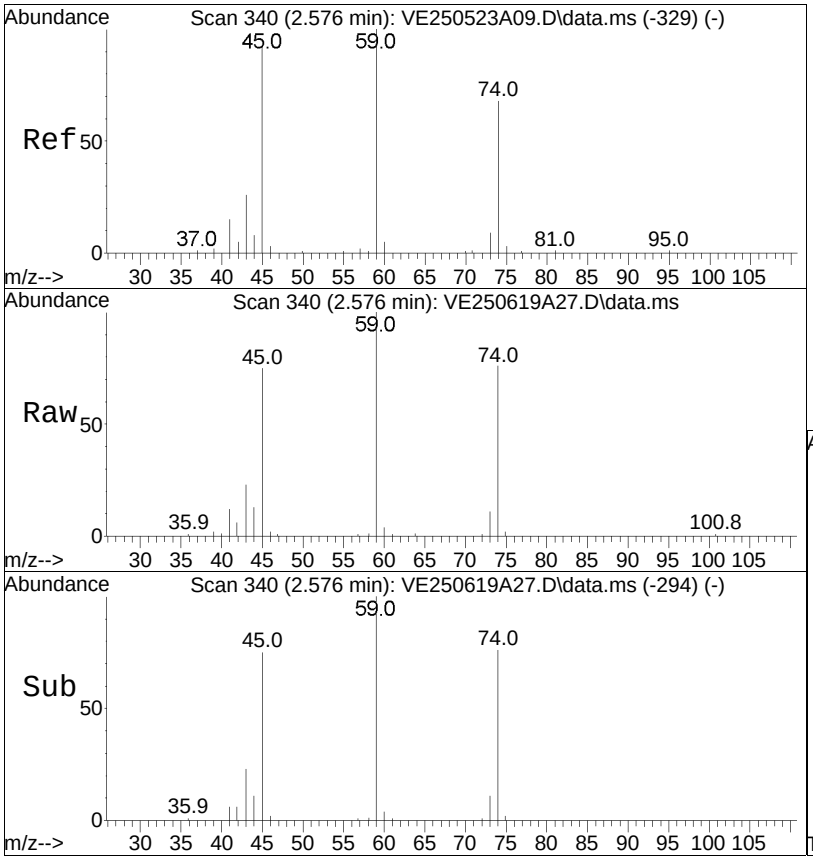


#7
Trichlorofluoromethane
Concen: 10.84 ug/L
RT: 2.291 min Scan# 275
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:101 Resp: 108971

Ion	Ratio	Lower	Upper
101	100		
103	66.6	52.0	78.0

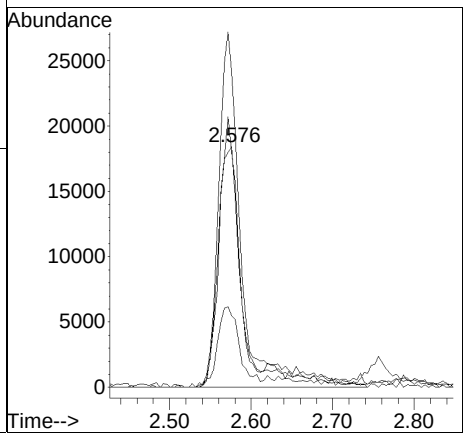


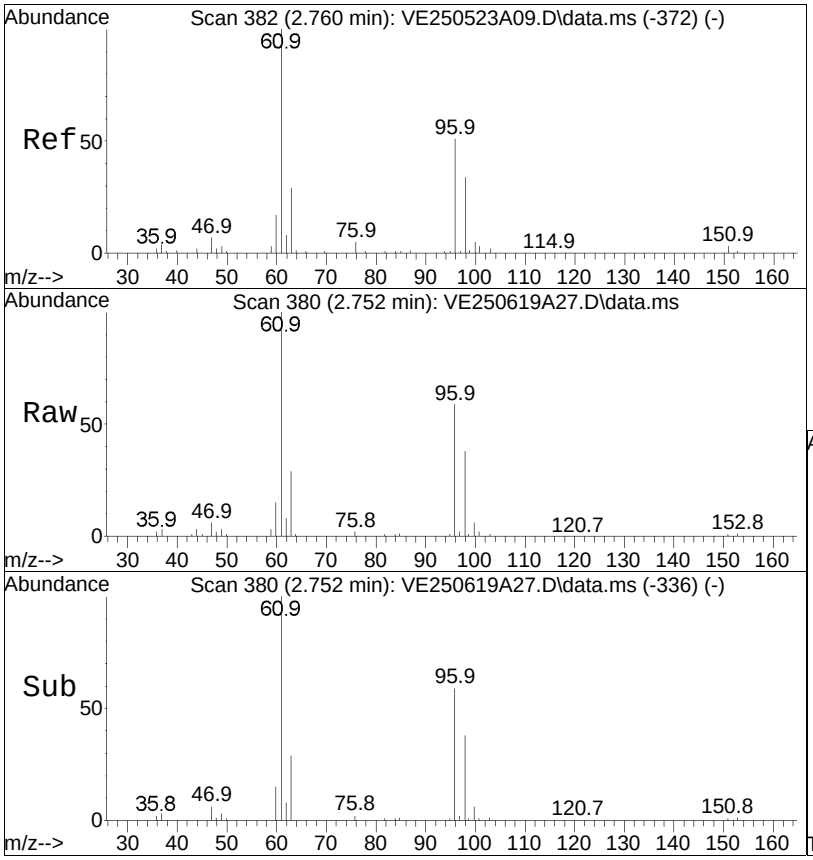


#8
Ethyl ether
Concen: 11.98 ug/L
RT: 2.576 min Scan# 340
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 74 Resp: 37872

Ion	Ratio	Lower	Upper
74	100		
59	140.7	105.2	218.4
45	110.7	84.1	174.7
43	41.8	32.2	67.0

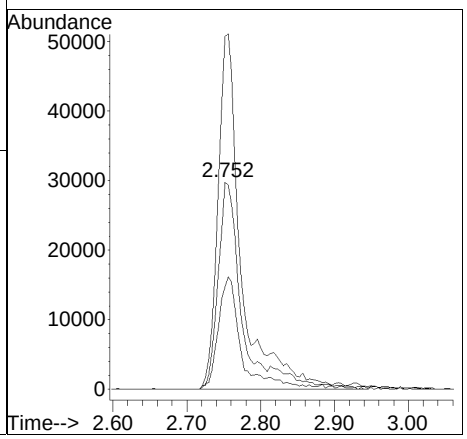


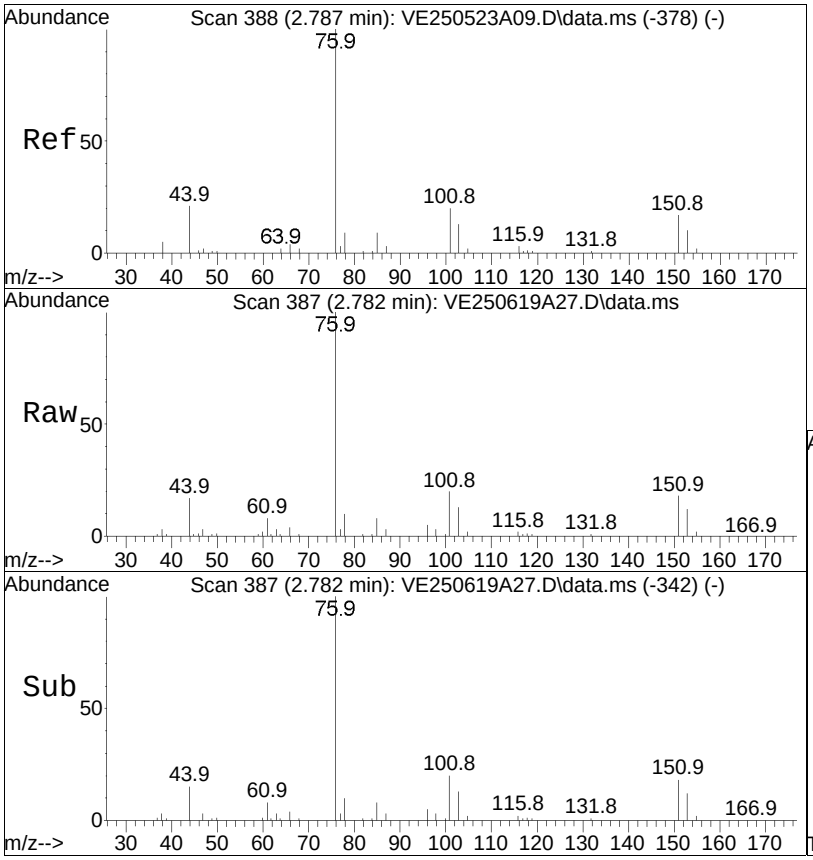


#10
1,1-Dichloroethene
Concen: 11.69 ug/L
RT: 2.752 min Scan# 380
Delta R.T. -0.009 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 96 Resp: 69306

Ion	Ratio	Lower	Upper
96	100		
61	165.5	158.3	237.5
63	52.8	50.2	75.2

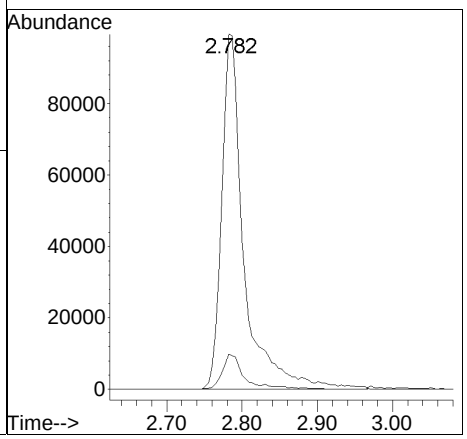


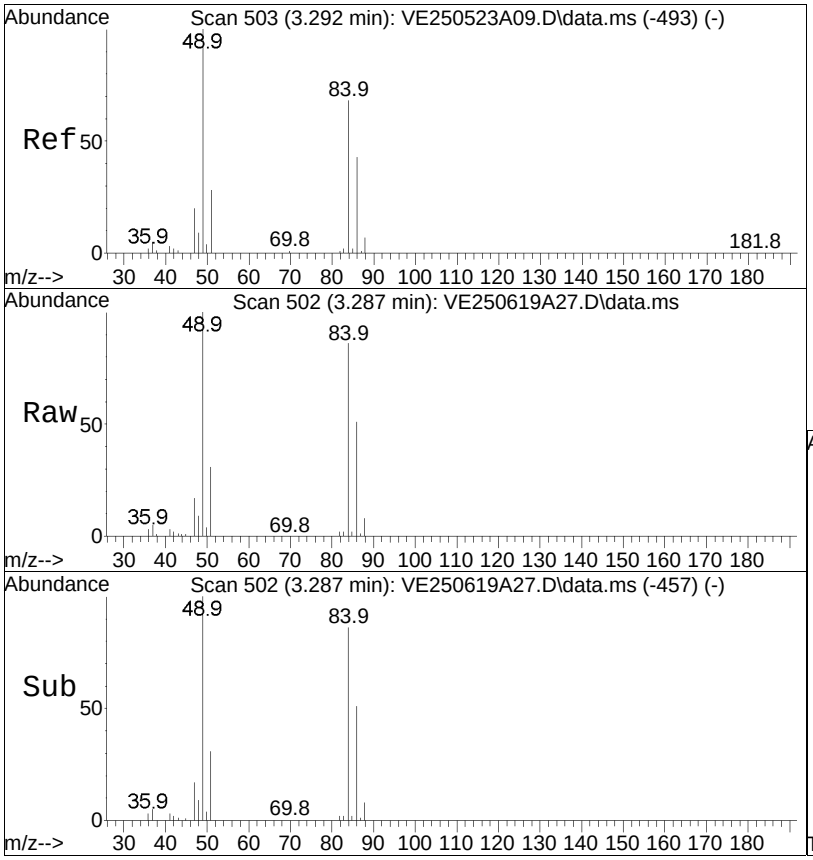


#11
Carbon disulfide
Concen: 10.99 ug/L
RT: 2.782 min Scan# 387
Delta R.T. -0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 76 Resp: 205642

Ion	Ratio	Lower	Upper
76	100		
78	10.0	6.6	13.8

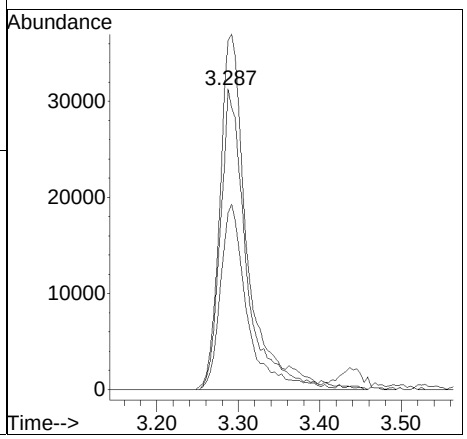


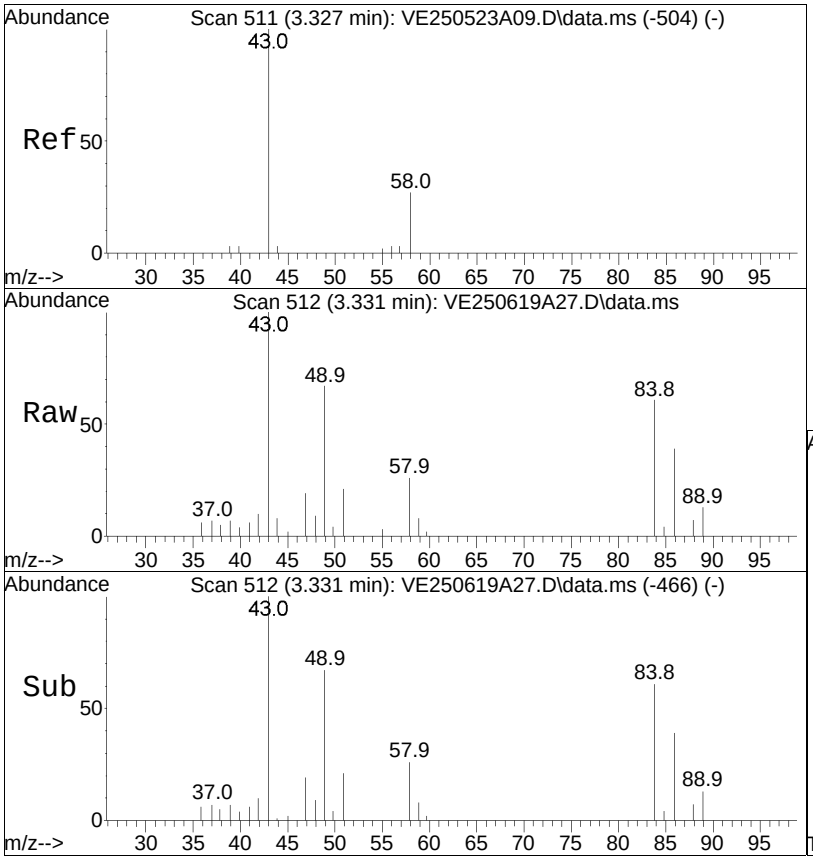


#15
Methylene chloride
Concen: 10.82 ug/L
RT: 3.287 min Scan# 502
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 84 Resp: 70383

Ion	Ratio	Lower	Upper
84	100		
86	62.9	40.6	84.4
49	129.4	100.0	207.6

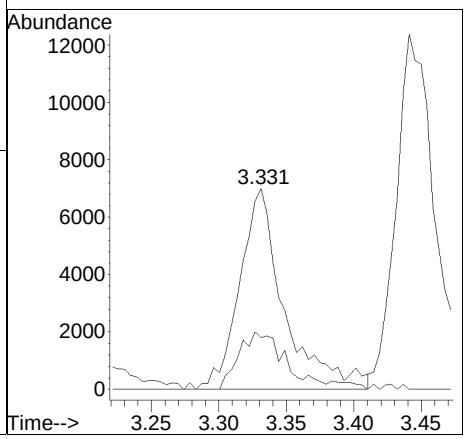


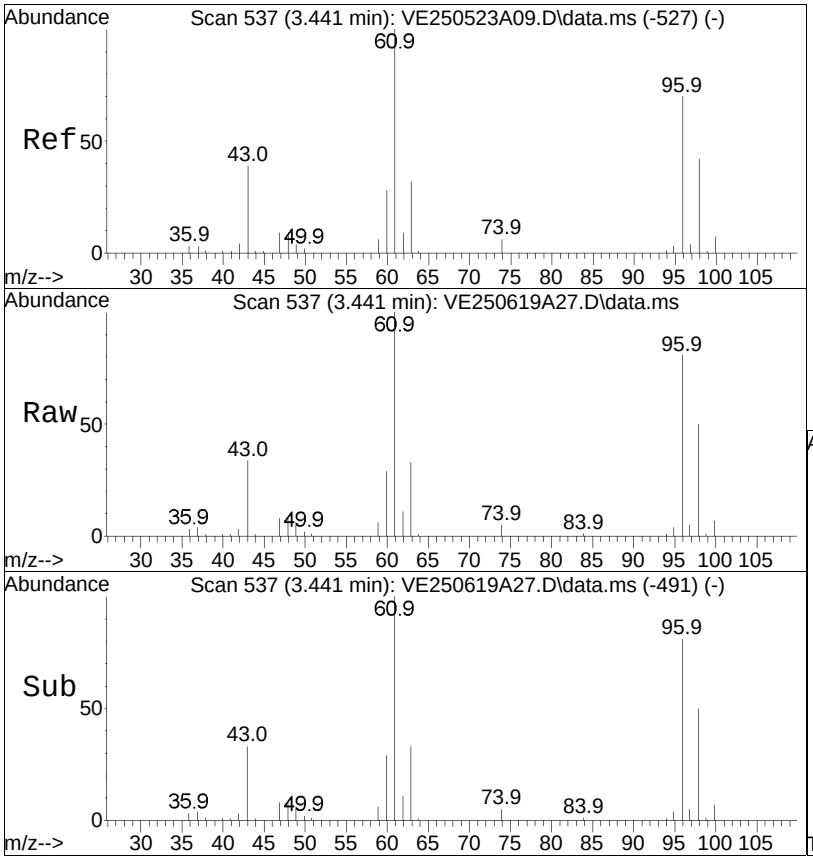


#17
Acetone
Concen: 11.08 ug/L
RT: 3.331 min Scan# 512
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 43 Resp: 16108

Ion	Ratio	Lower	Upper
43	100		
58	31.7	22.4	33.6

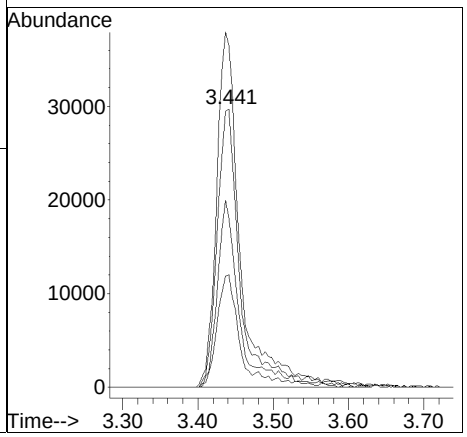


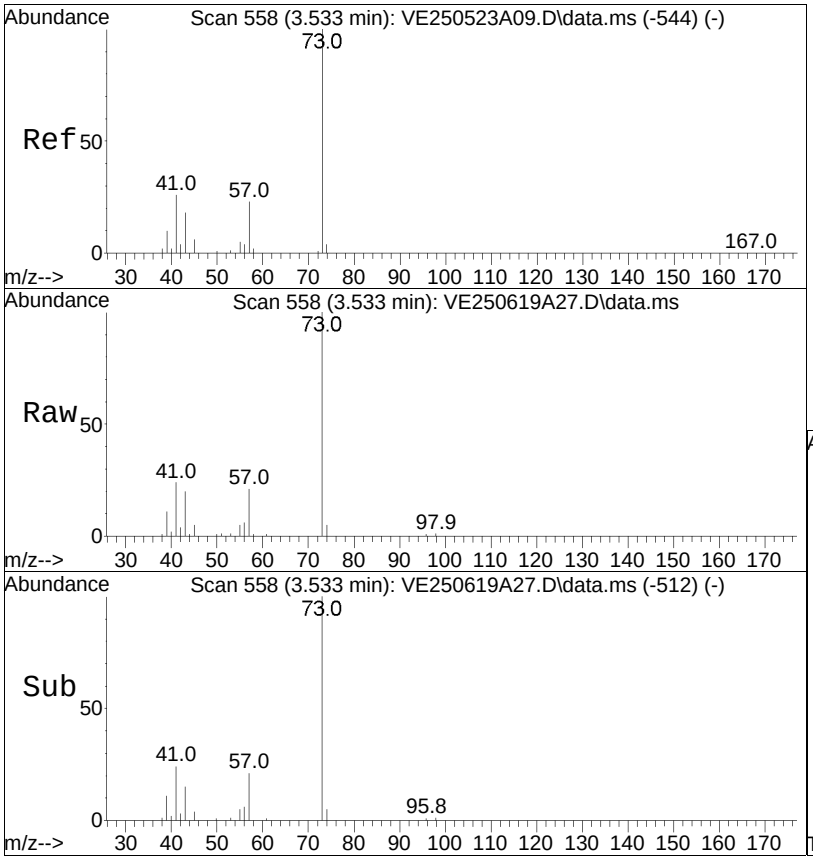


#18
trans-1,2-Dichloroethene
Concen: 10.88 ug/L
RT: 3.441 min Scan# 537
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 96 Resp: 65920

Ion	Ratio	Lower	Upper
96	100		
61	129.5	99.5	206.6
98	64.2	40.5	84.1
63	40.9	32.0	66.4

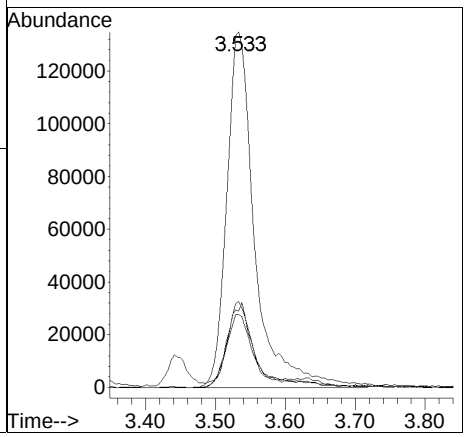


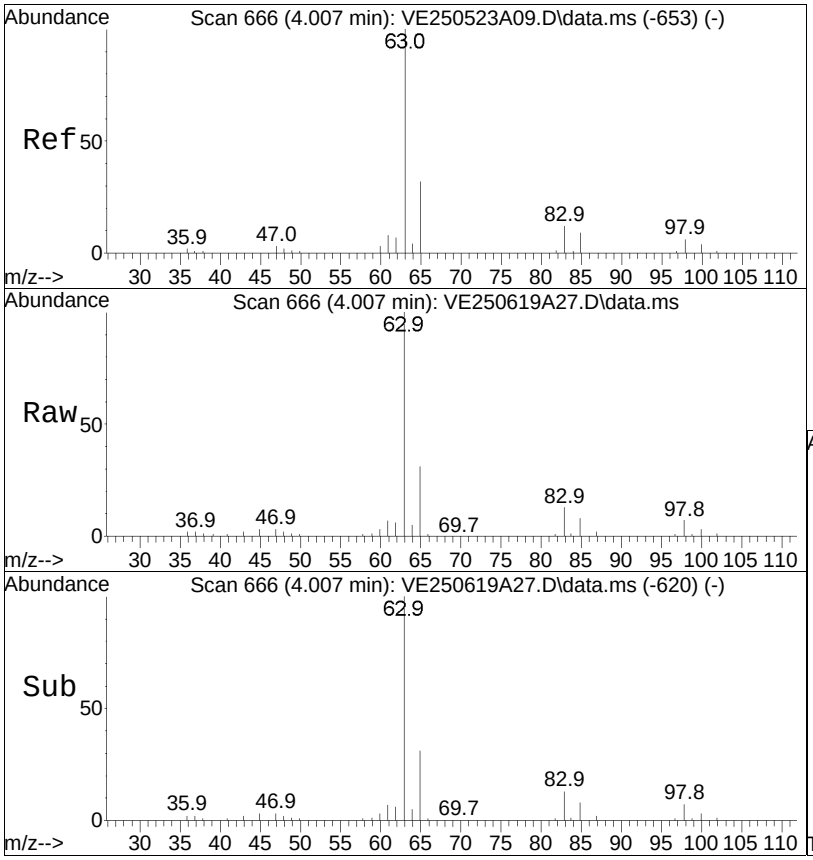


#21
Methyl tert-butyl ether
Concen: 27.34 ug/L
RT: 3.533 min Scan# 558
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 73 Resp: 378071

Ion	Ratio	Lower	Upper
73	100		
57	23.5	17.6	36.5
43	20.3	0.0	0.0#
41	25.7	22.8	47.4

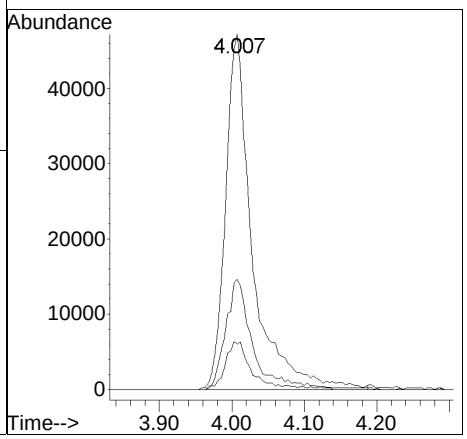


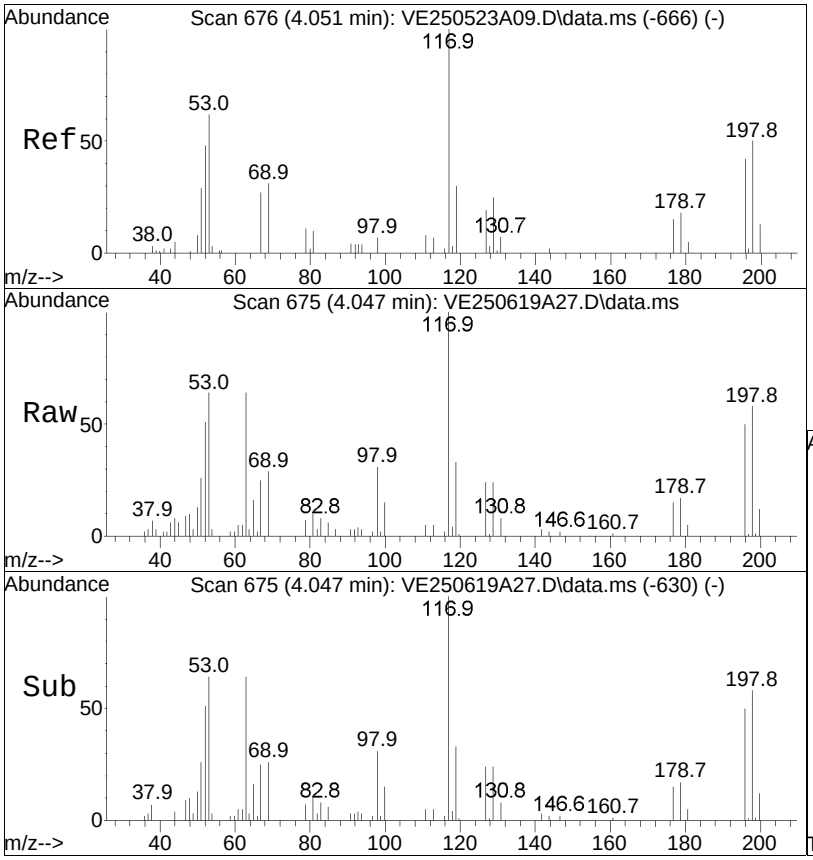


#25
1,1-Dichloroethane
Concen: 10.20 ug/L
RT: 4.007 min Scan# 666
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 63 Resp: 122023

Ion	Ratio	Lower	Upper
63	100		
65	31.6	10.0	50.0
83	13.4	0.0	32.2

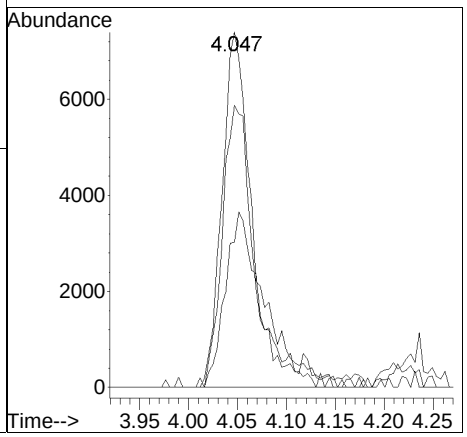


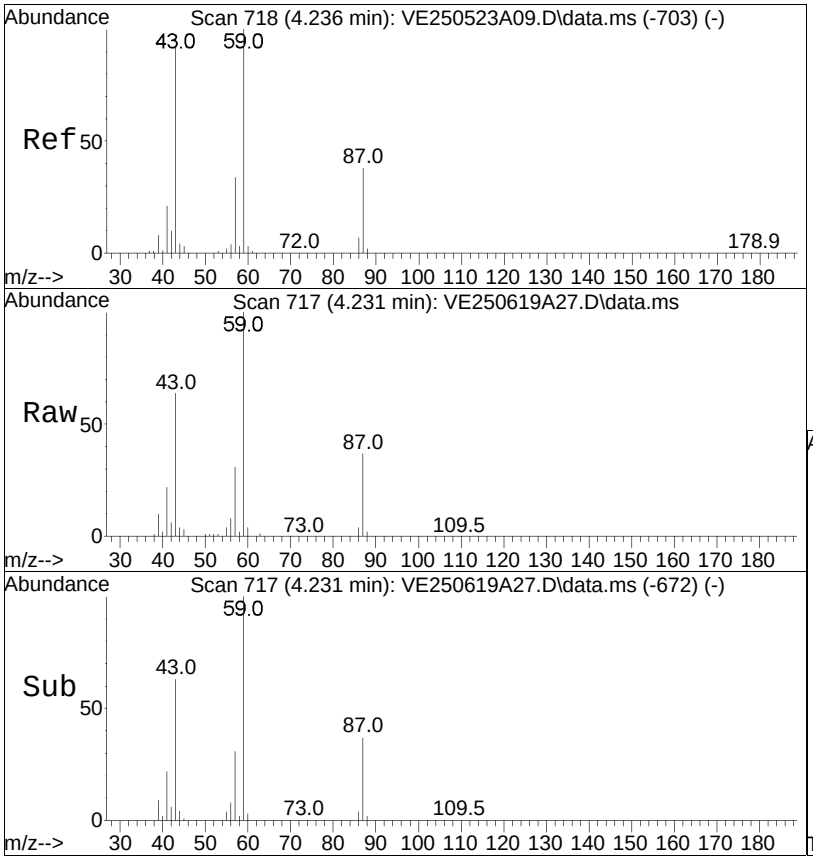


#27
Acrylonitrile
Concen: 9.99 ug/L
RT: 4.047 min Scan# 675
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 53 Resp: 17624

Ion	Ratio	Lower	Upper
53	100		
52	79.5	65.8	98.8
51	50.9	47.6	71.4

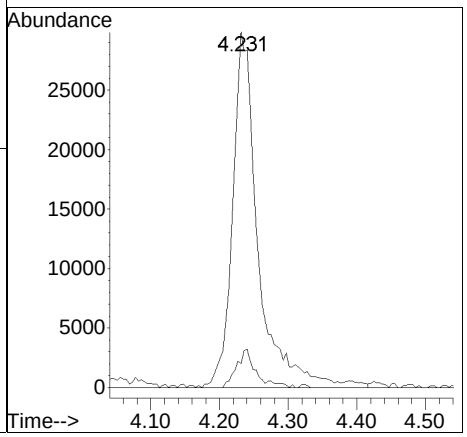


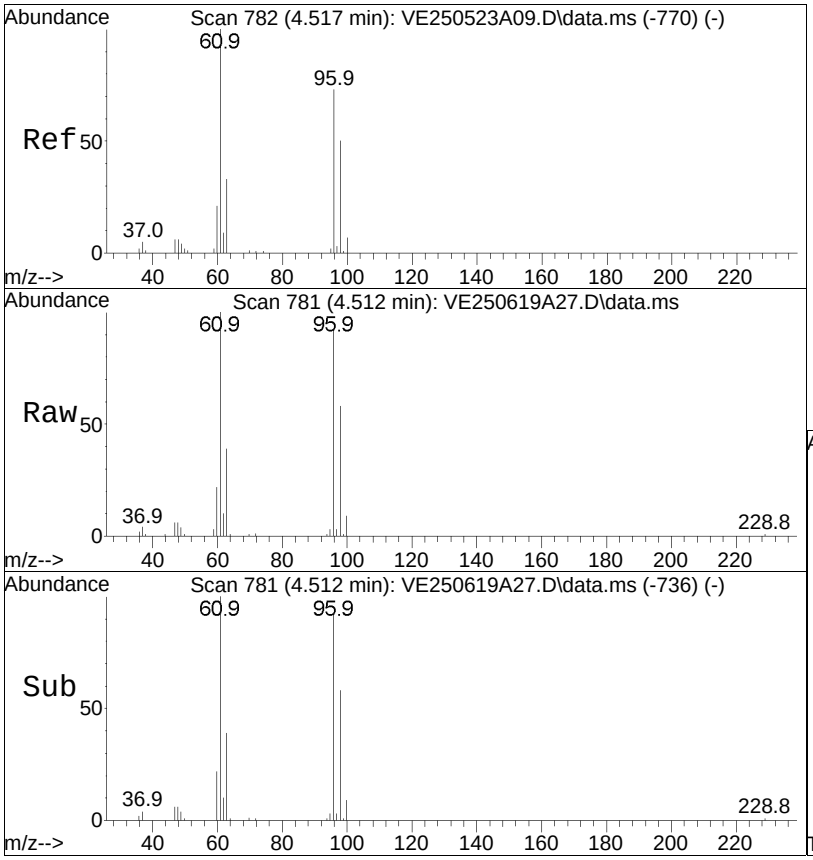


#29
Vinyl acetate
Concen: 6.78 ug/L
RT: 4.231 min Scan# 717
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 43 Resp: 77272

Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.8	8.8

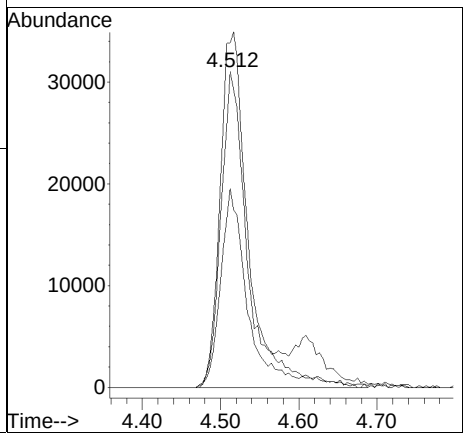


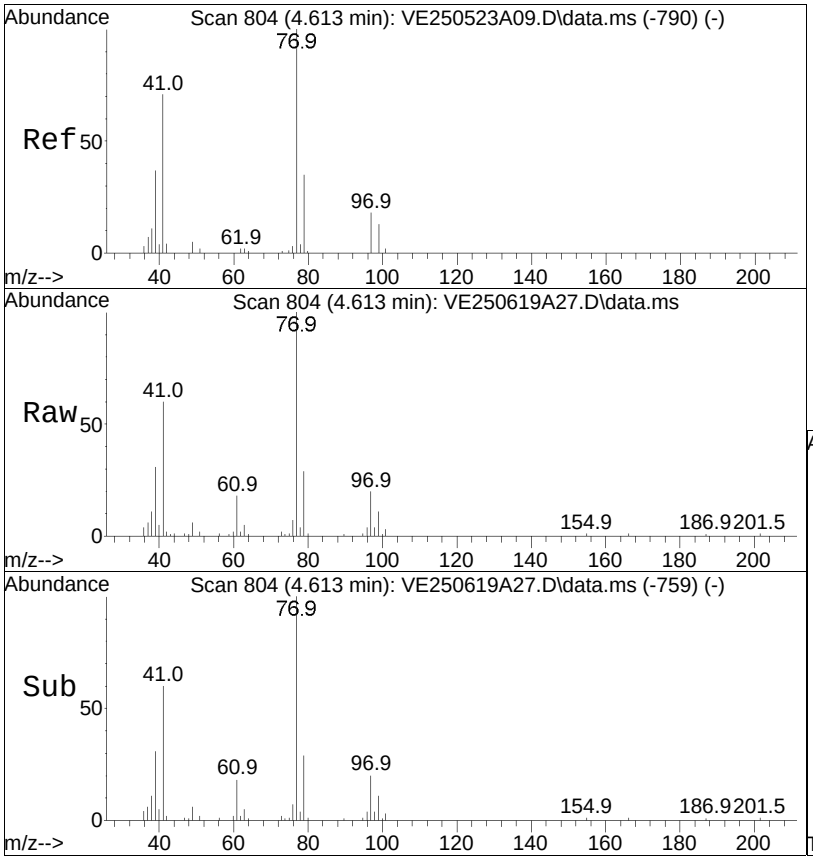


#30
cis-1,2-Dichloroethene
Concen: 10.70 ug/L
RT: 4.512 min Scan# 781
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 96 Resp: 75131

Ion	Ratio	Lower	Upper
96	100		
61	132.5	131.5	197.3
98	64.4	51.8	77.8

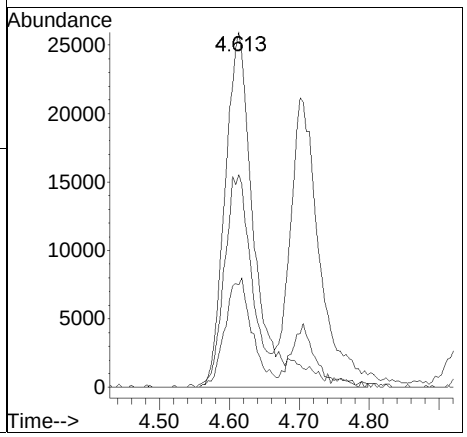


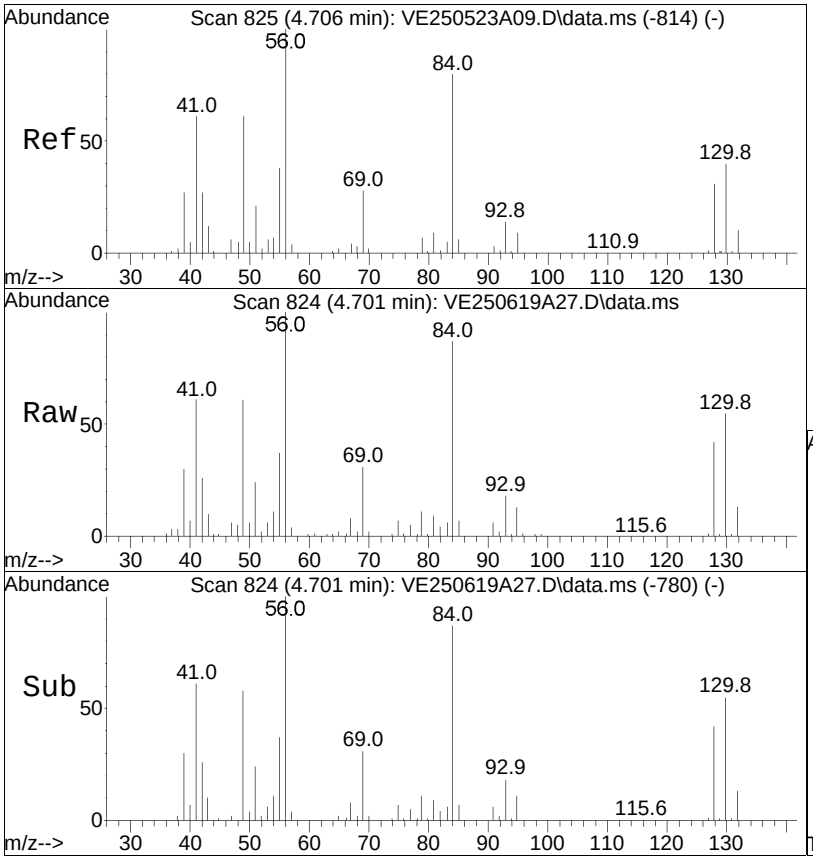


#31
2,2-Dichloropropane
Concen: 8.38 ug/L
RT: 4.613 min Scan# 804
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 77 Resp: 77832

Ion	Ratio	Lower	Upper
77	100		
41	57.0	47.5	98.7
79	28.2	20.7	43.1

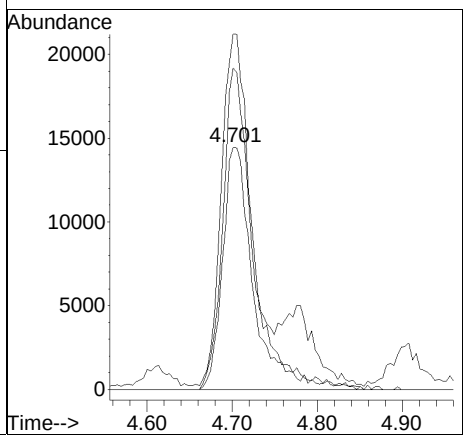


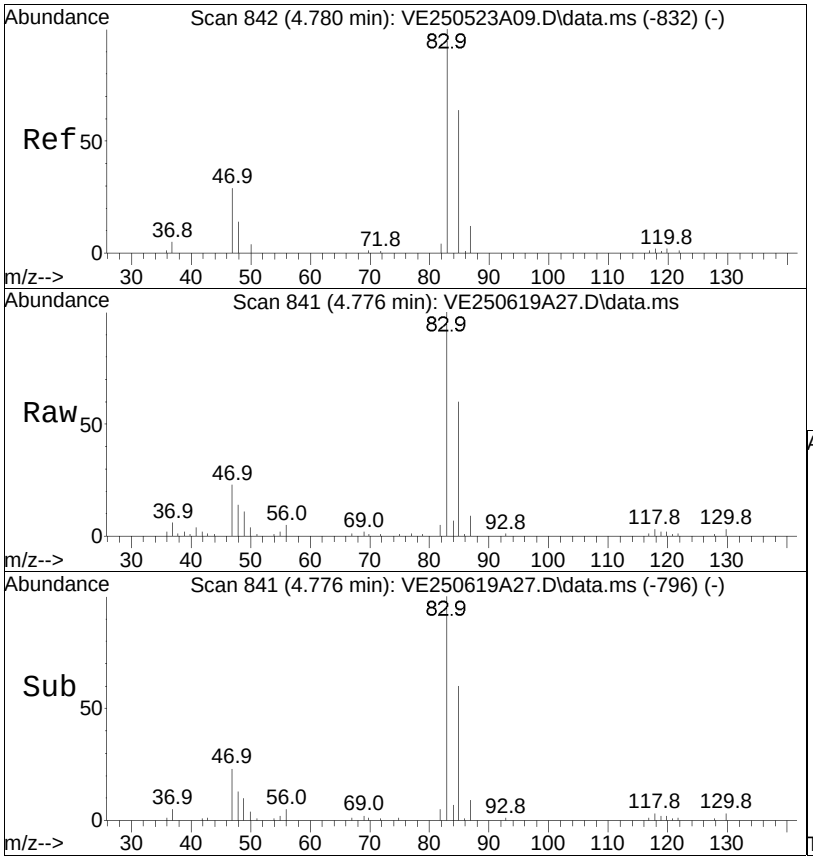


#33
Bromochloromethane
Concen: 10.93 ug/L
RT: 4.701 min Scan# 824
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:128 Resp: 36579

Ion	Ratio	Lower	Upper
128	100		
49	173.5	194.2	291.2#
130	130.6	99.7	149.5

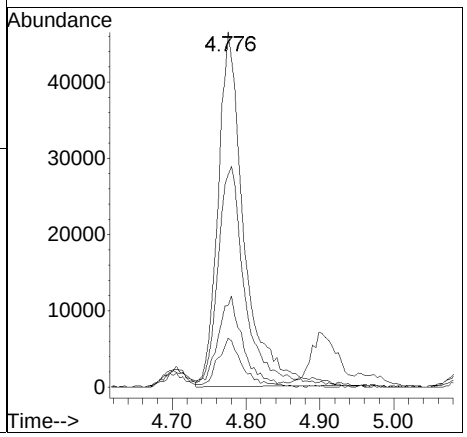


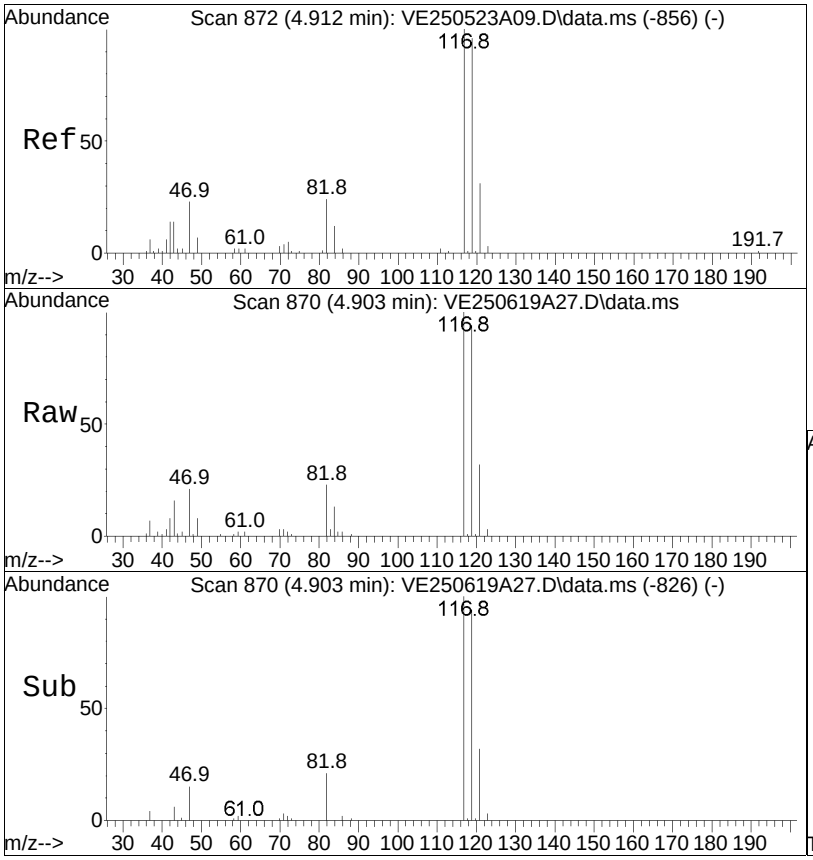


#35
Chloroform
Concen: 10.30 ug/L
RT: 4.776 min Scan# 841
Delta R.T. -0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 83 Resp: 115012

Ion	Ratio	Lower	Upper
83	100		
85	66.4	41.7	86.5
47	22.0	17.4	36.2
48	13.2	9.2	19.0

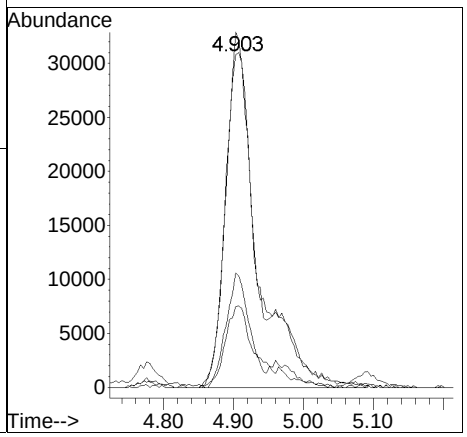


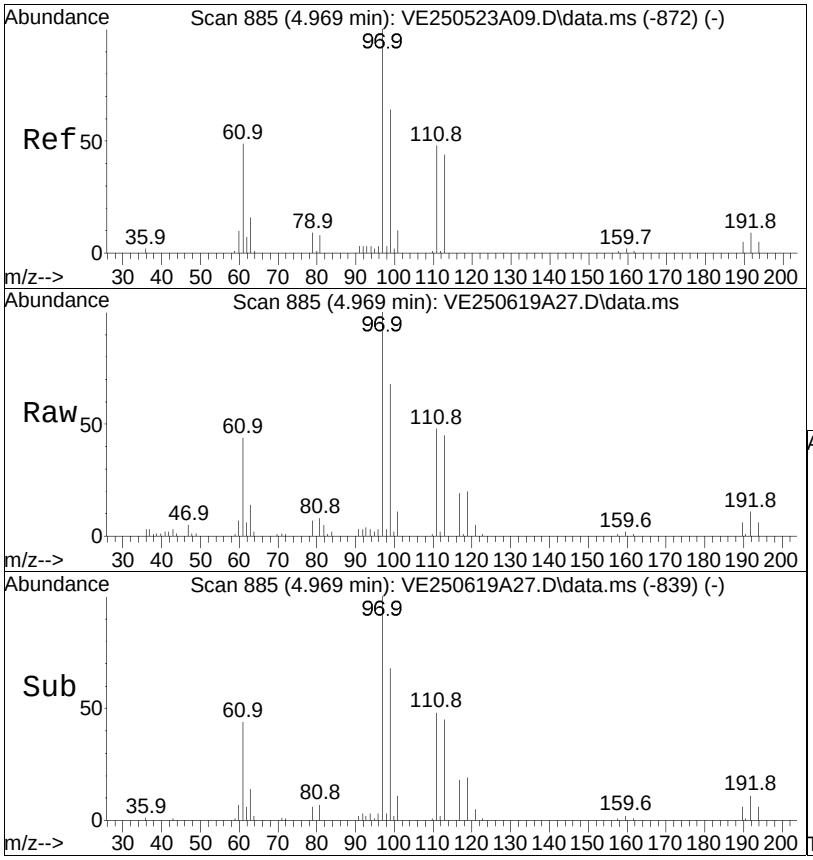


#37
Carbon tetrachloride
Concen: 13.19 ug/L
RT: 4.903 min Scan# 870
Delta R.T. -0.009 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:117 Resp: 103698

Ion	Ratio	Lower	Upper
117	100		
119	97.8	70.5	146.5
121	30.5	23.0	47.8
82	23.0	19.2	39.8

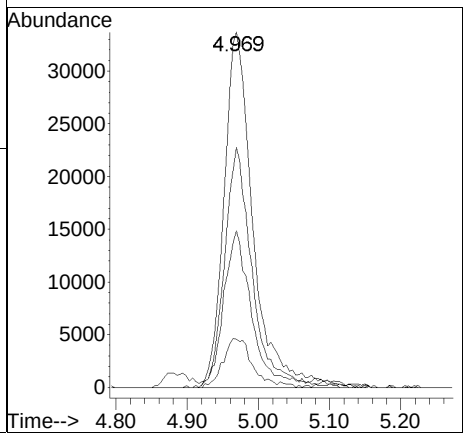


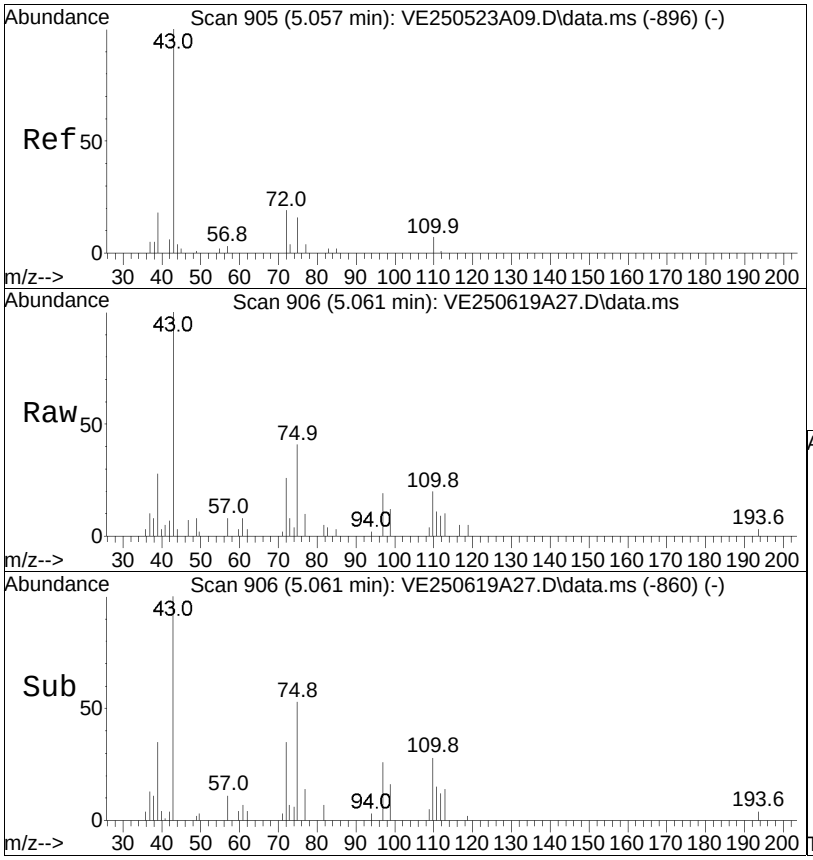


#40
1,1,1-Trichloroethane
Concen: 10.61 ug/L
RT: 4.969 min Scan# 885
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 97 Resp: 96433

Ion	Ratio	Lower	Upper
97	100		
99	64.4	41.2	85.6
61	43.9	32.8	68.2
63	13.9	10.1	20.9

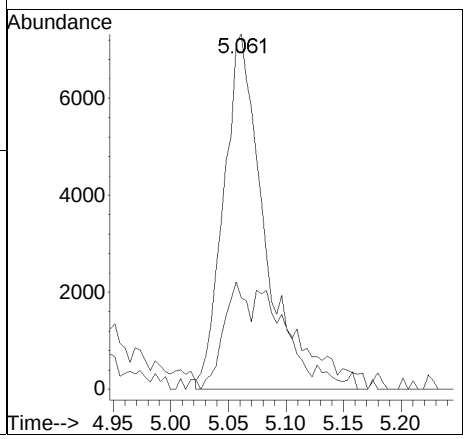


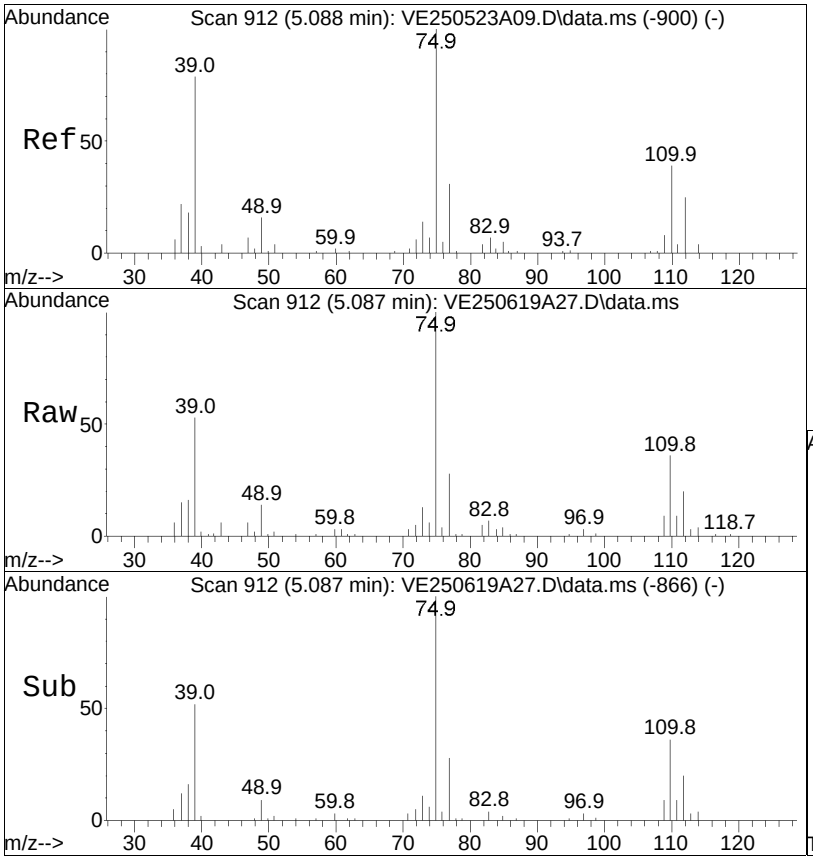


#42
2-Butanone
Concen: 9.06 ug/L
RT: 5.061 min Scan# 906
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 43 Resp: 18986

Ion	Ratio	Lower	Upper
43	100		
72	41.6	30.2	45.4

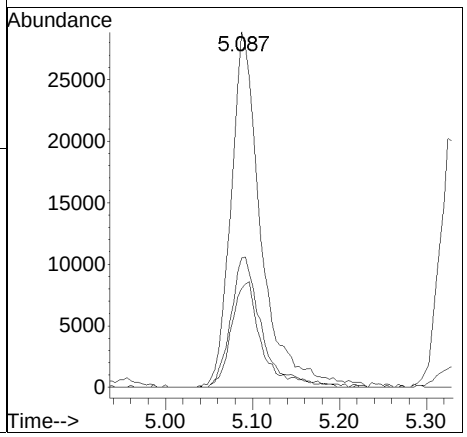


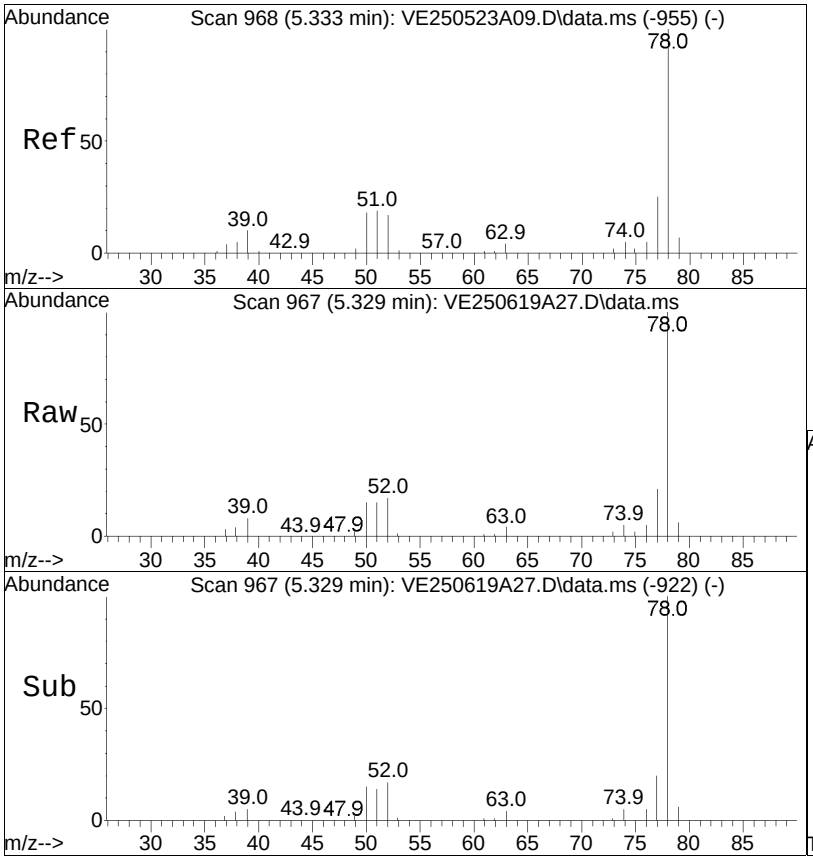


#43
1,1-Dichloropropene
Concen: 10.07 ug/L
RT: 5.087 min Scan# 912
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 75 Resp: 69945

Ion	Ratio	Lower	Upper
75	100		
110	37.6	22.7	47.3
77	29.9	20.1	41.7

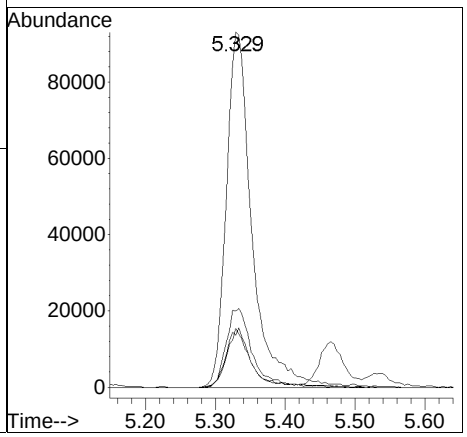


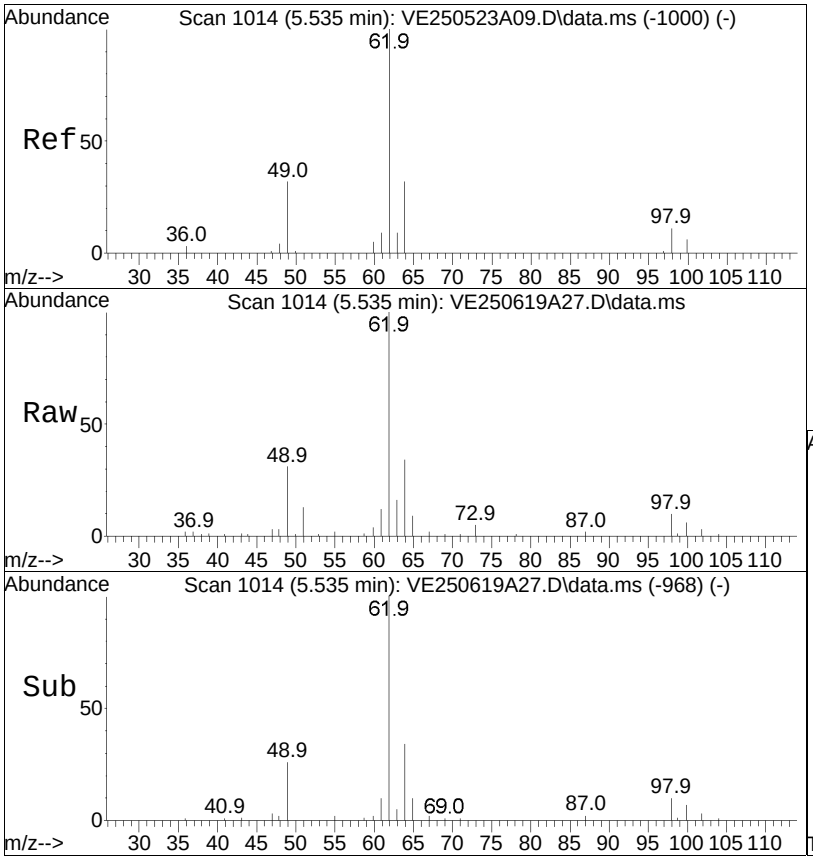


#45
Benzene
Concen: 10.03 ug/L
RT: 5.329 min Scan# 967
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 78 Resp: 239187

Ion	Ratio	Lower	Upper
78	100		
77	22.9	15.1	31.3
51	16.3	12.7	26.5
52	16.0	12.2	25.4

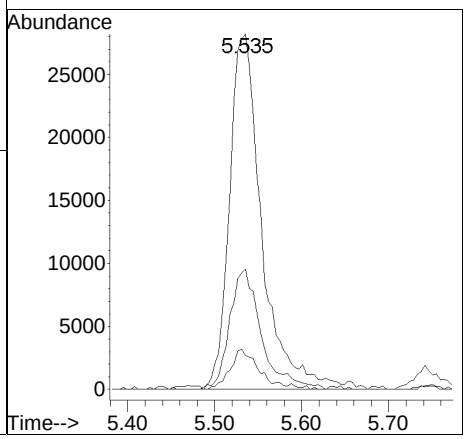


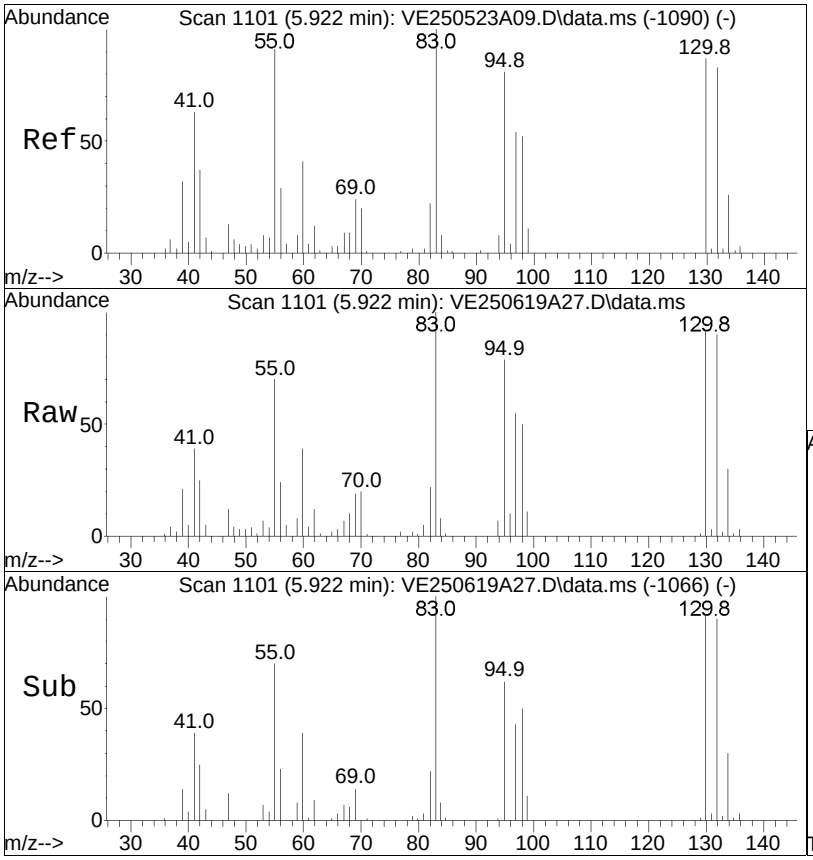


#48
1,2-Dichloroethane
Concen: 10.28 ug/L
RT: 5.535 min Scan# 1014
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 62 Resp: 73246

Ion	Ratio	Lower	Upper
62	100		
64	33.1	12.6	52.6
98	10.5	0.0	28.3

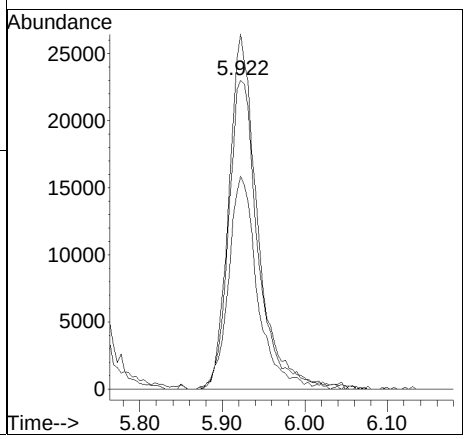


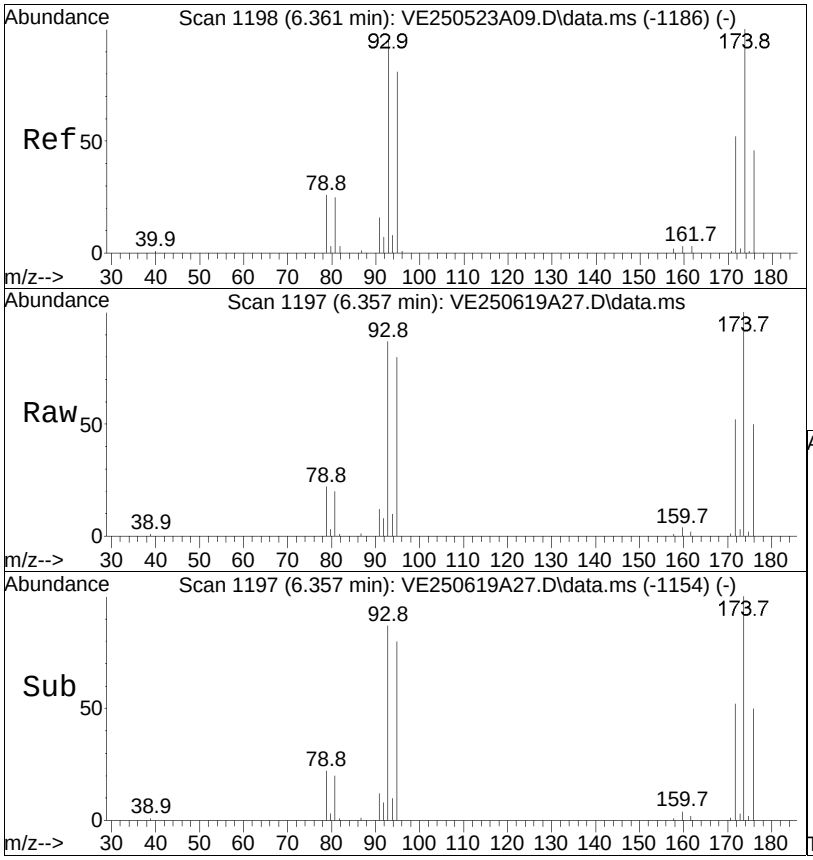


#52
Trichloroethene
Concen: 9.94 ug/L
RT: 5.922 min Scan# 1101
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 95 Resp: 58042

Ion	Ratio	Lower	Upper
95	100		
97	67.4	54.6	81.8
130	111.6	79.5	119.3

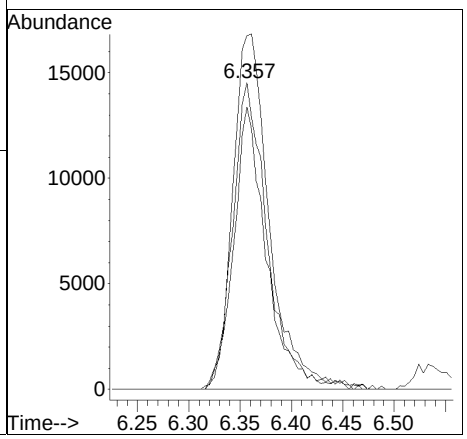


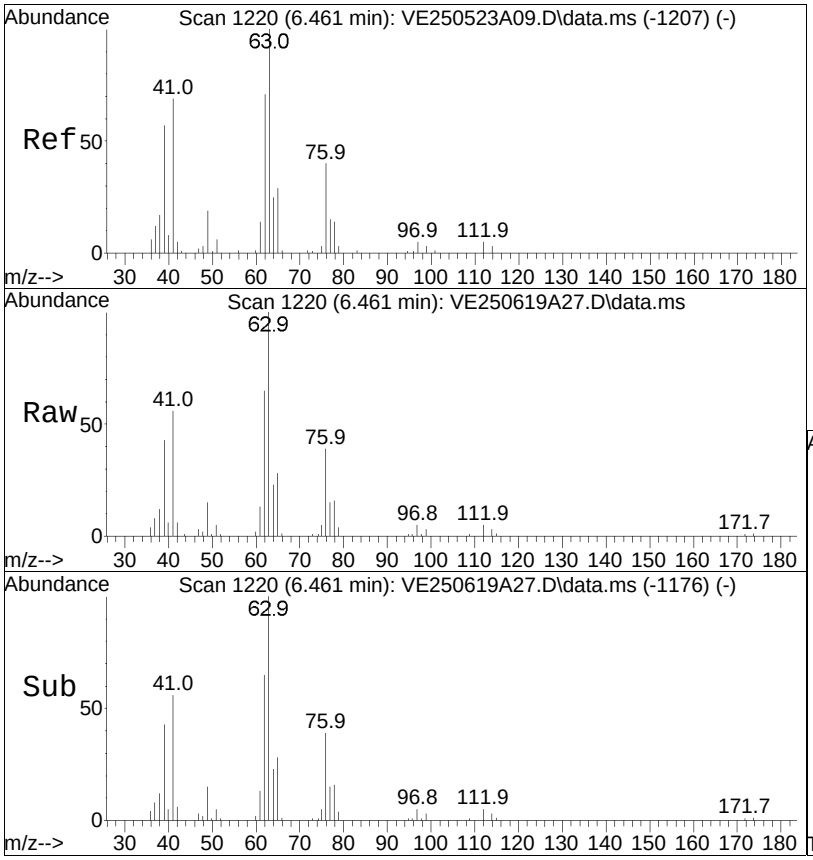


#54
Dibromomethane
Concen: 10.13 ug/L
RT: 6.357 min Scan# 1197
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 93 Resp: 34422

Ion	Ratio	Lower	Upper
93	100		
95	87.3	65.3	97.9
174	121.2	82.6	123.8

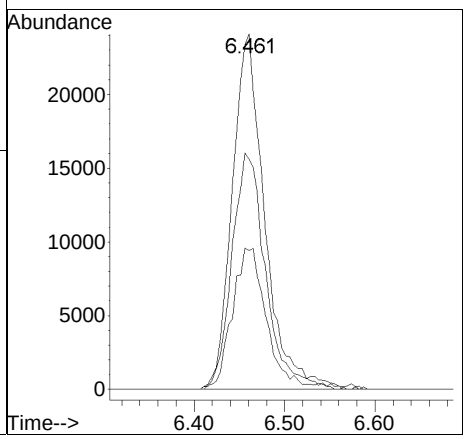


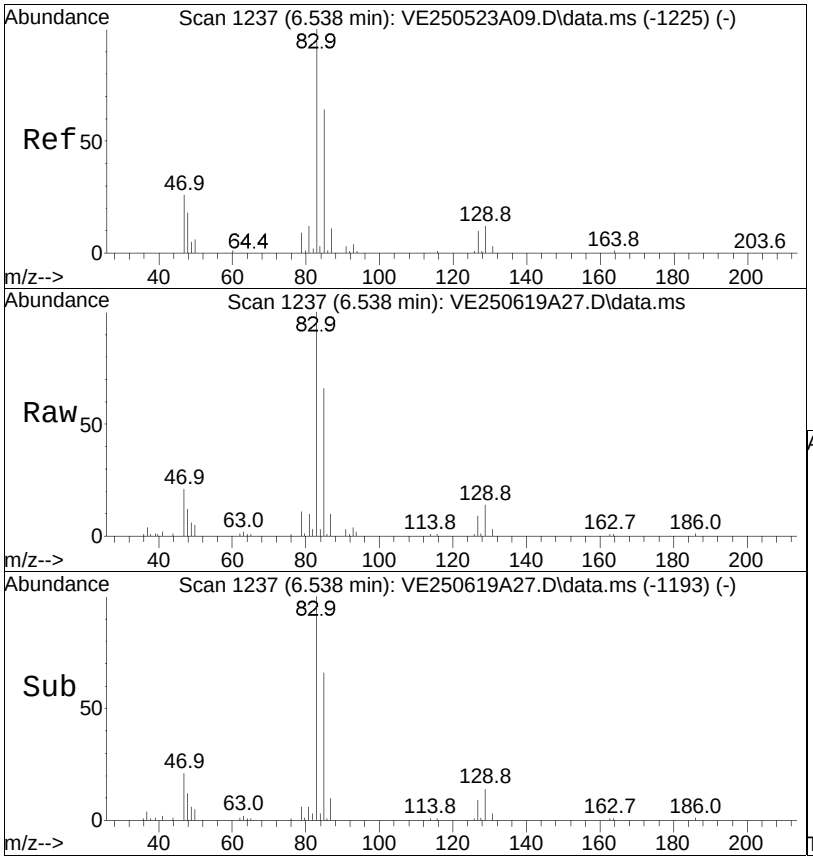


#55
1,2-Dichloropropane
Concen: 9.73 ug/L
RT: 6.461 min Scan# 1220
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 63 Resp: 60475

Ion	Ratio	Lower	Upper
63	100		
62	69.0	57.3	85.9
76	42.0	33.4	50.2

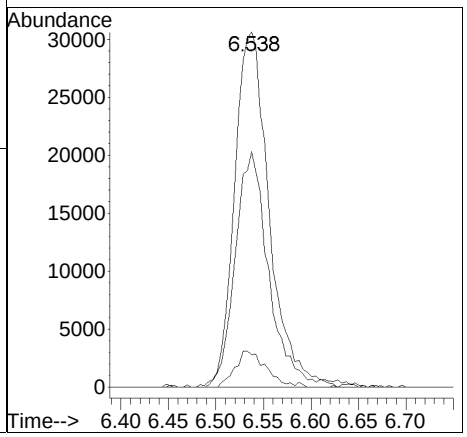


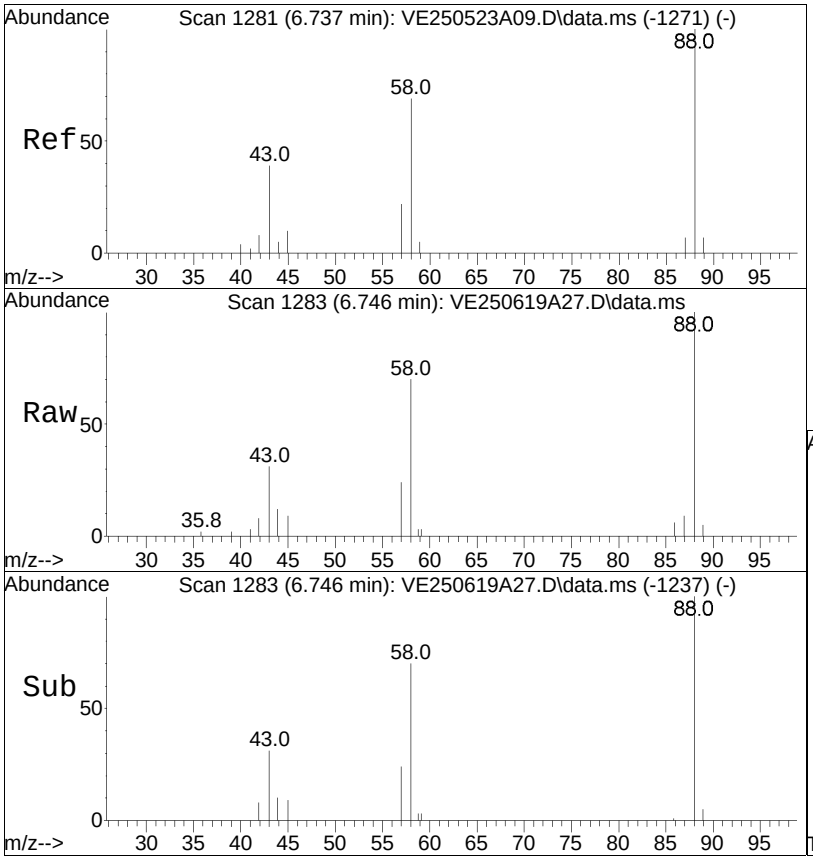


#58
Bromodichloromethane
Concen: 9.77 ug/L
RT: 6.538 min Scan# 1237
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 83 Resp: 78679

Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.9	77.9
127	9.3	7.3	10.9

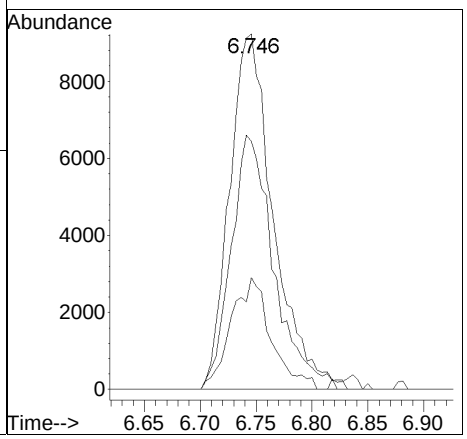


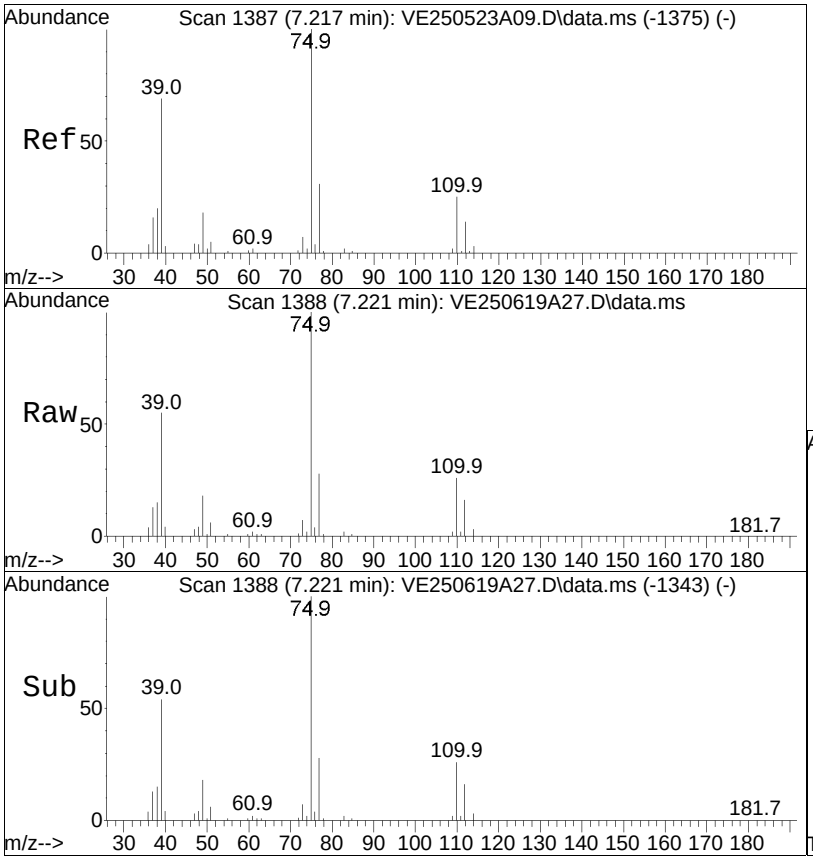


#61
1,4-Dioxane
Concen: 859.49 ug/L
RT: 6.746 min Scan# 1283
Delta R.T. 0.009 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 88 Resp: 25470

Ion	Ratio	Lower	Upper
88	100		
58	69.6	63.4	95.0
43	28.5	29.4	44.2#

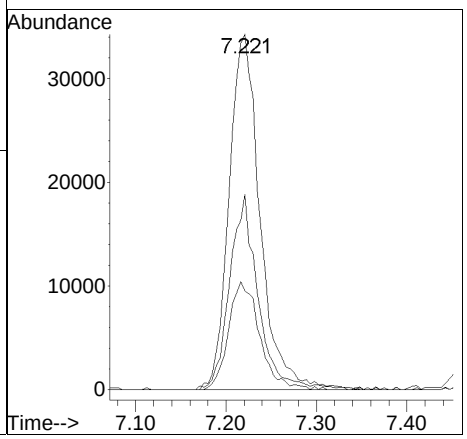


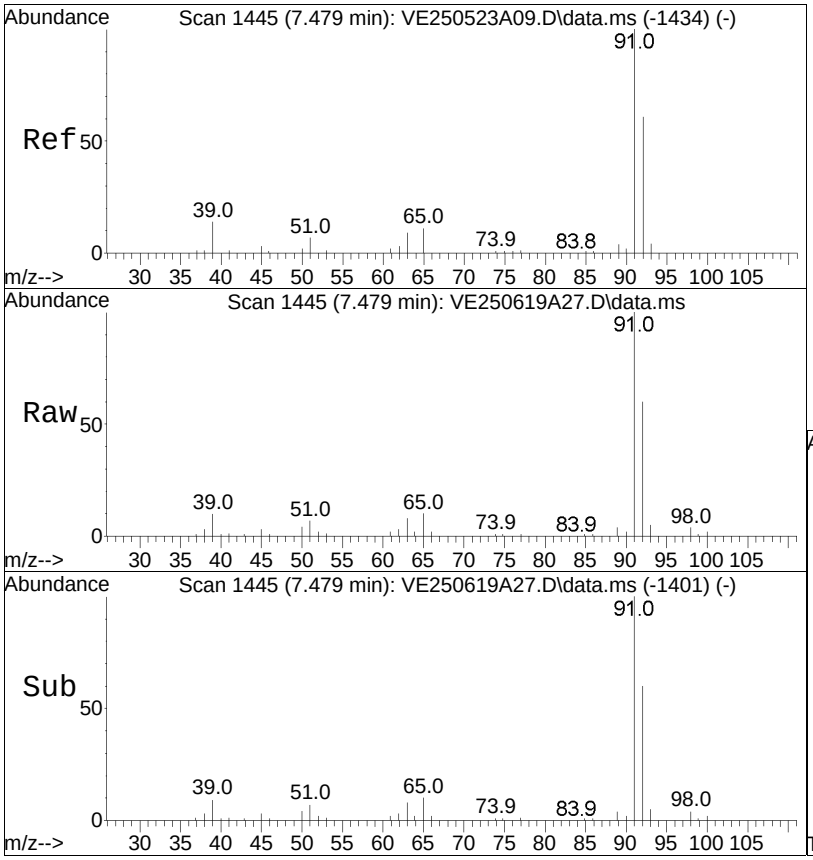


#62
cis-1,3-Dichloropropene
Concen: 9.11 ug/L
RT: 7.221 min Scan# 1388
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 75 Resp: 81618

Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7
39	50.3	47.5	71.3

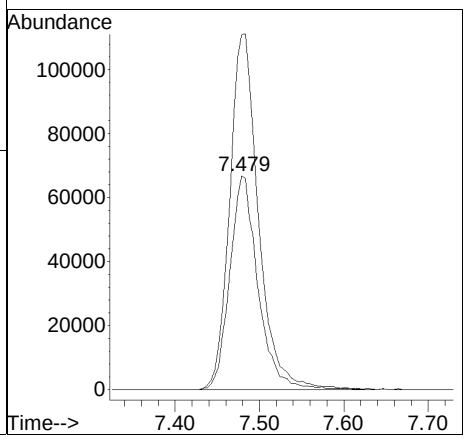


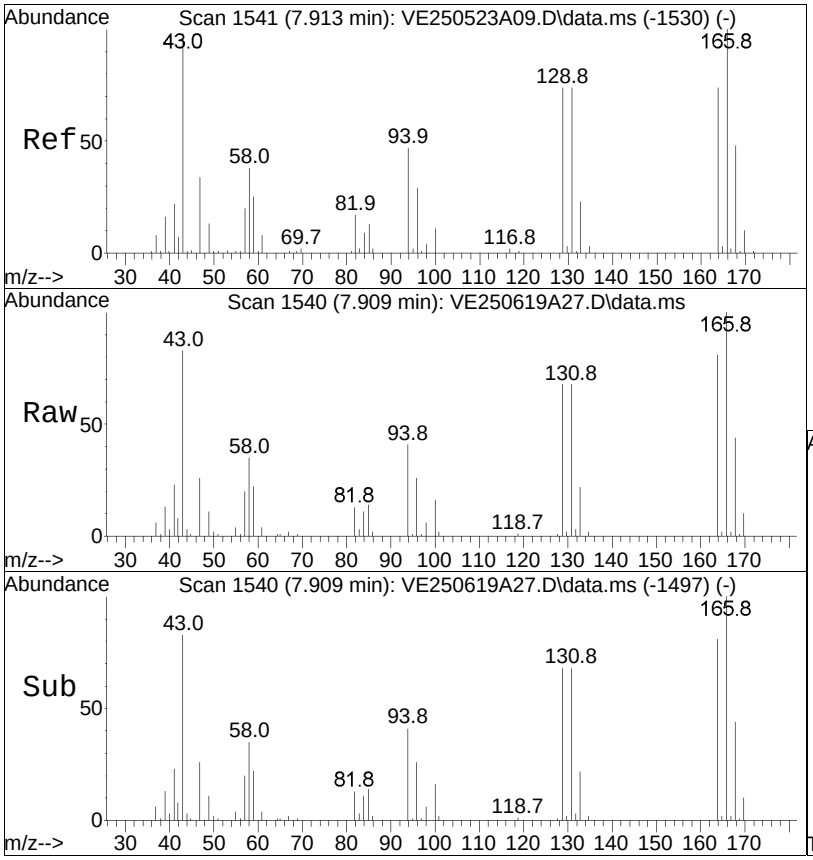


#65
Toluene
Concen: 9.81 ug/L
RT: 7.479 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 92 Resp: 154721

Ion	Ratio	Lower	Upper
92	100		
91	169.8	134.2	201.2

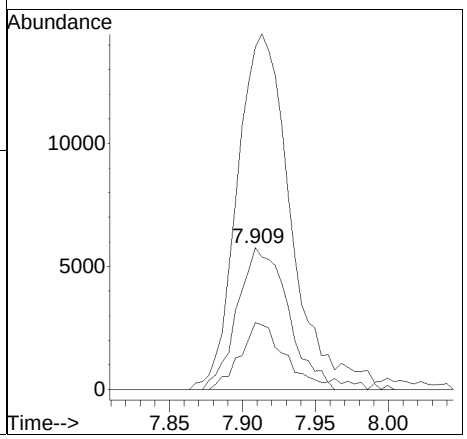


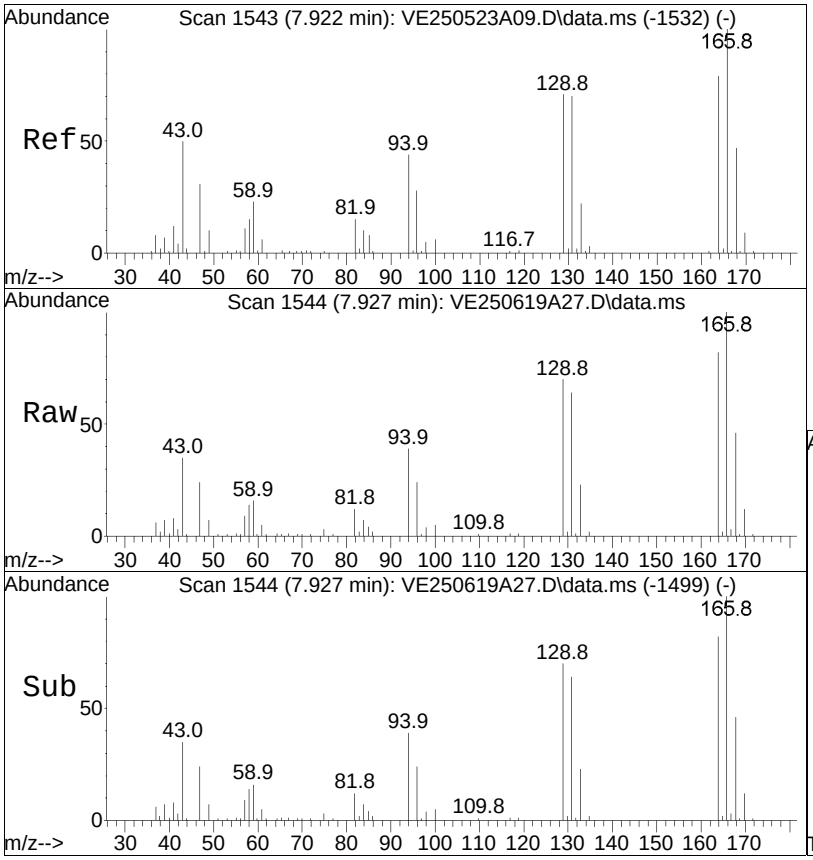


#66
4-Methyl-2-pentanone
Concen: 9.11 ug/L
RT: 7.909 min Scan# 1540
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 58 Resp: 14273

Ion	Ratio	Lower	Upper
58	100		
100	40.4	29.9	44.9
43	265.2	230.2	345.4

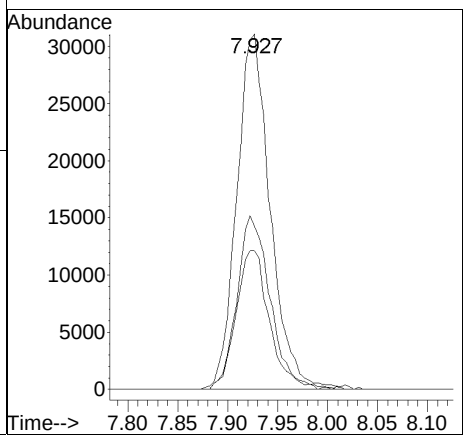


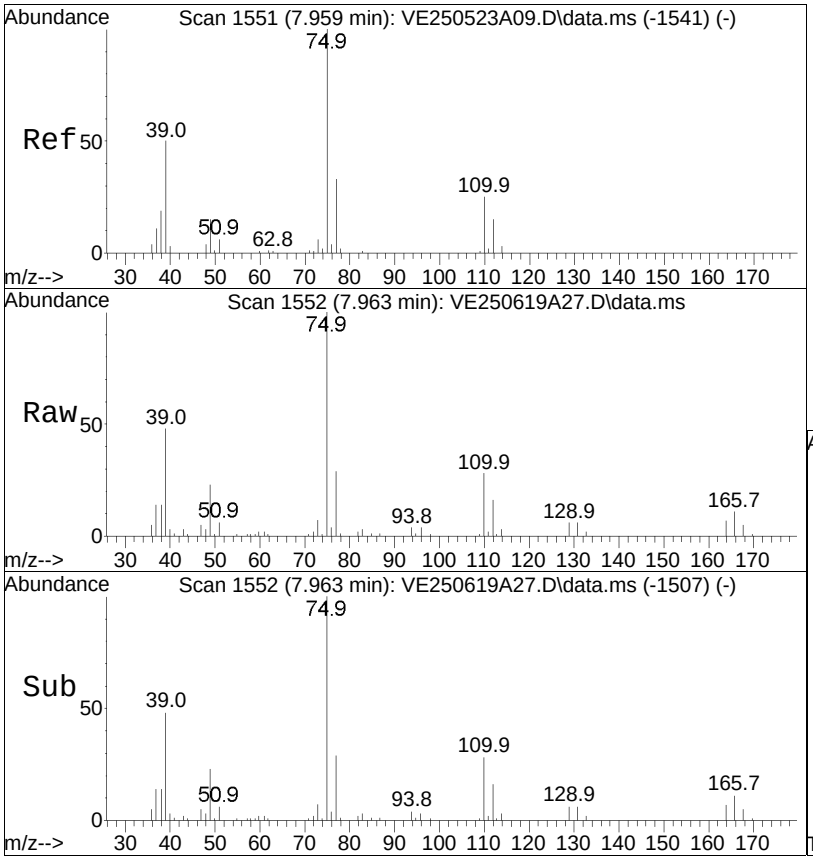


#67
Tetrachloroethene
Concen: 11.06 ug/L
RT: 7.927 min Scan# 1544
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:166 Resp: 72925

Ion	Ratio	Lower	Upper
166	100		
168	47.8	28.0	68.0
94	38.8	22.9	62.9

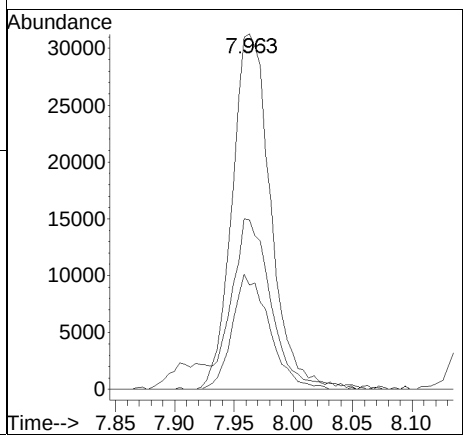


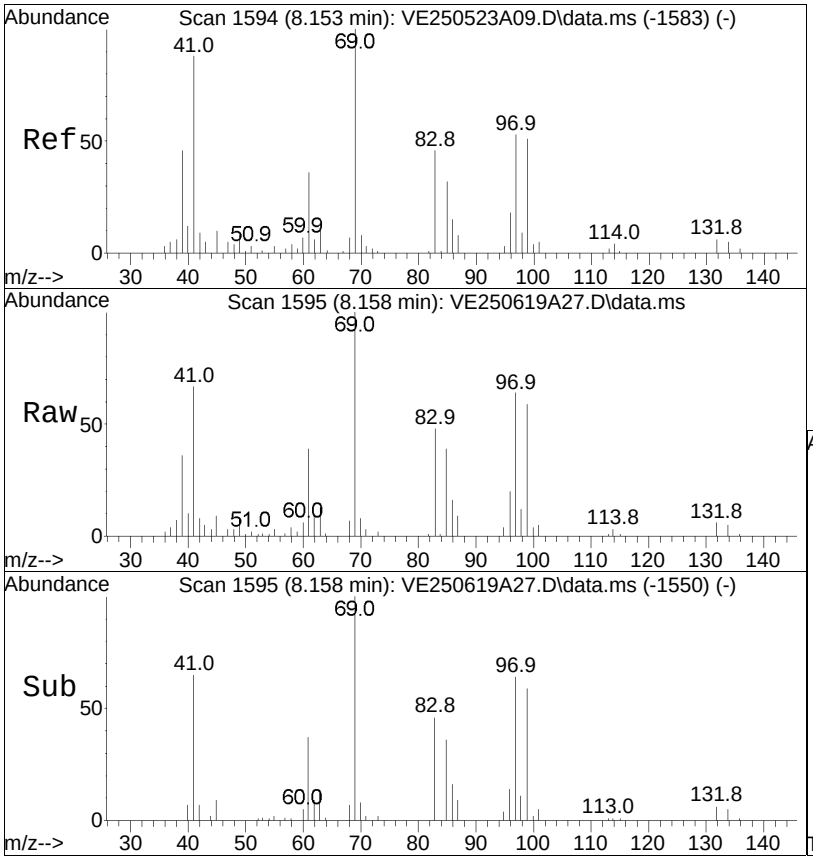


#69
trans-1,3-Dichloropropene
Concen: 9.26 ug/L
RT: 7.963 min Scan# 1552
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 75 Resp: 70924

Ion	Ratio	Lower	Upper
75	100		
77	31.2	11.2	51.2
39	49.0	36.8	76.8

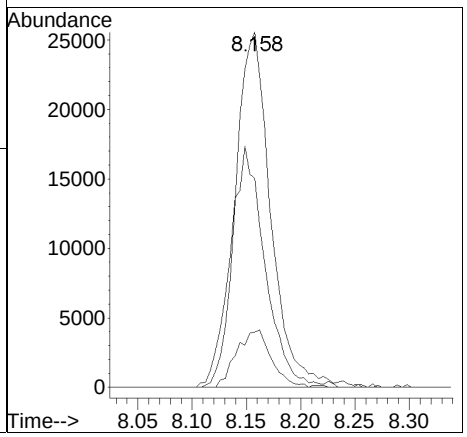


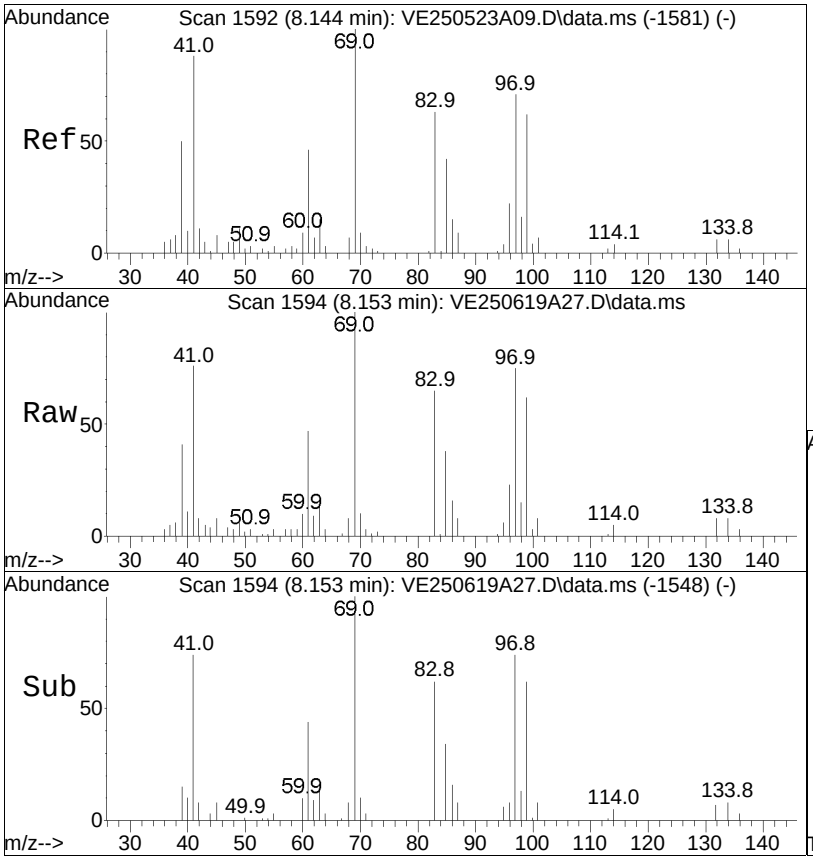


#71
Ethyl methacrylate
Concen: 8.71 ug/L
RT: 8.158 min Scan# 1595
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 69 Resp: 57369

Ion	Ratio	Lower	Upper
69	100		
99	68.2	53.8	93.8
86	16.1	0.0	35.8

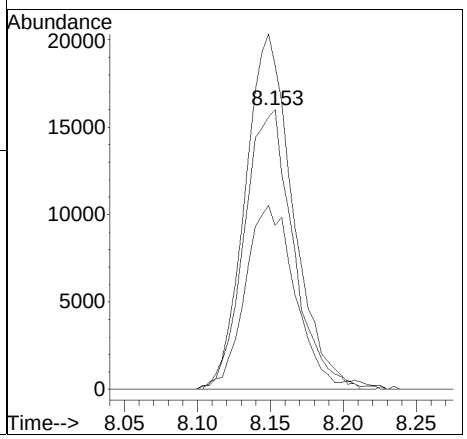


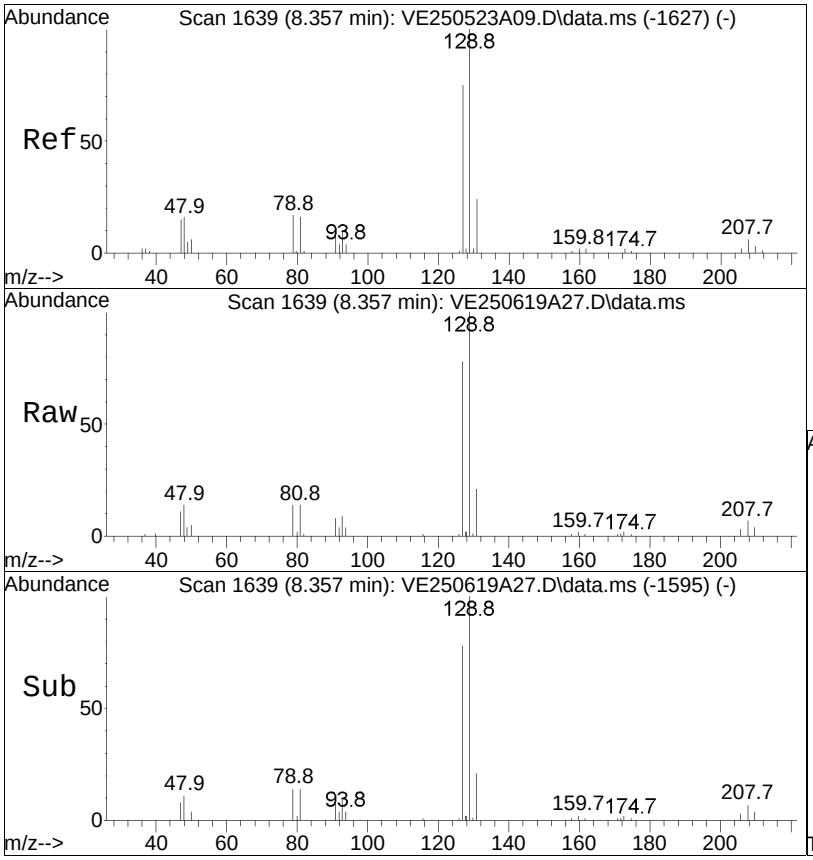


#72
1,1,2-Trichloroethane
Concen: 9.79 ug/L
RT: 8.153 min Scan# 1594
Delta R.T. 0.009 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 83 Resp: 37192

Ion	Ratio	Lower	Upper
83	100		
97	125.9	93.6	133.6
85	68.2	44.0	84.0

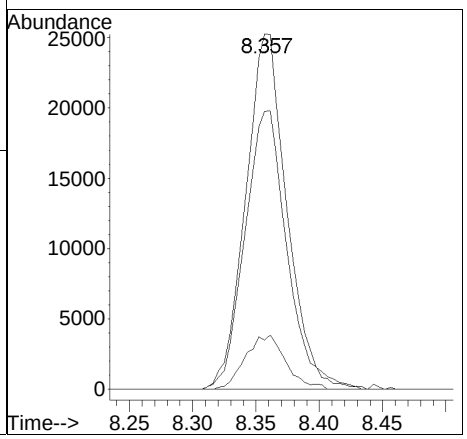


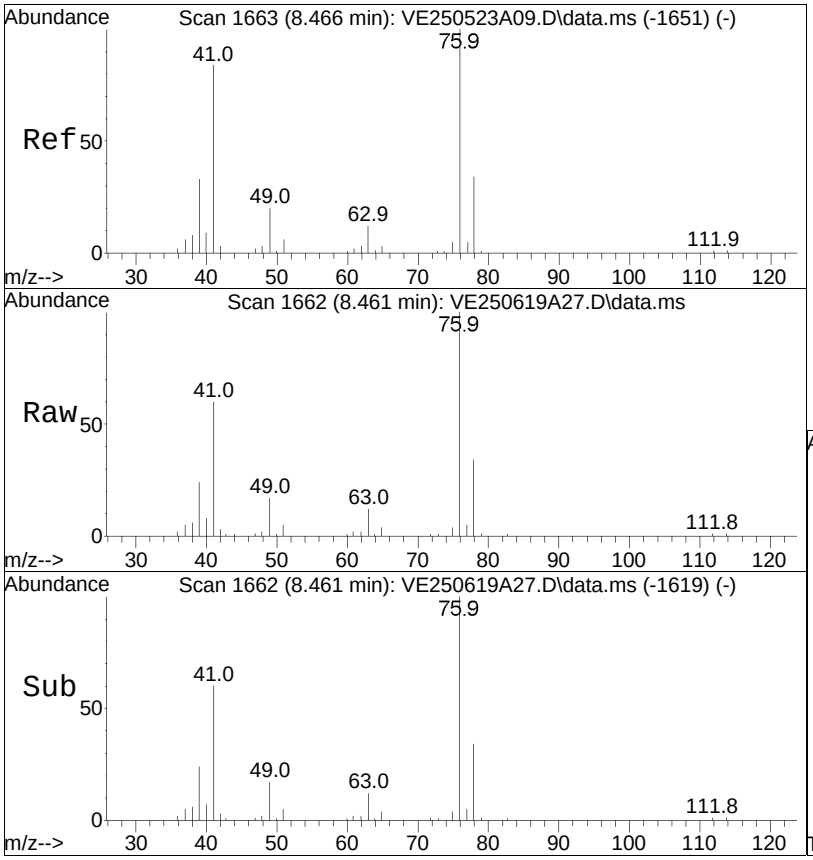


#73
Chlorodibromomethane
Concen: 9.70 ug/L
RT: 8.357 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:129 Resp: 57524

Ion	Ratio	Lower	Upper
129	100		
81	14.9	0.0	36.6
127	79.4	57.7	97.7

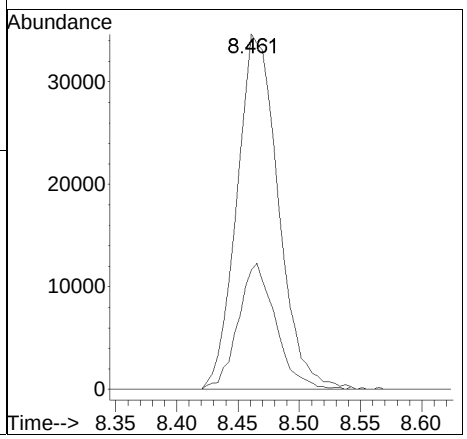


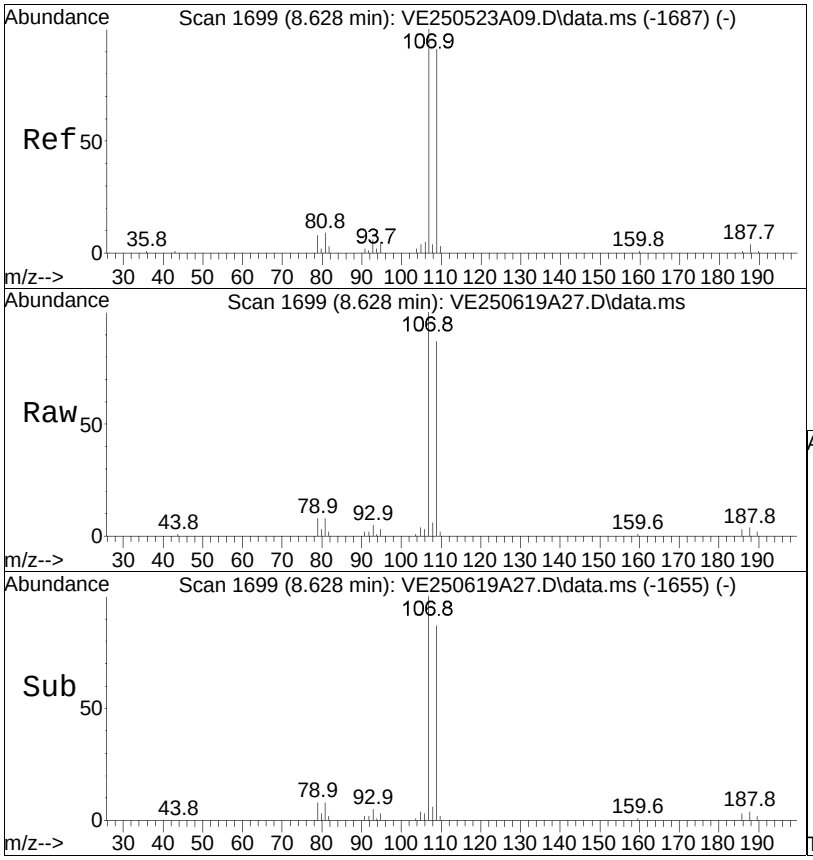


#74
1,3-Dichloropropane
Concen: 10.19 ug/L
RT: 8.461 min Scan# 1662
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 76 Resp: 81661

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.0	37.6

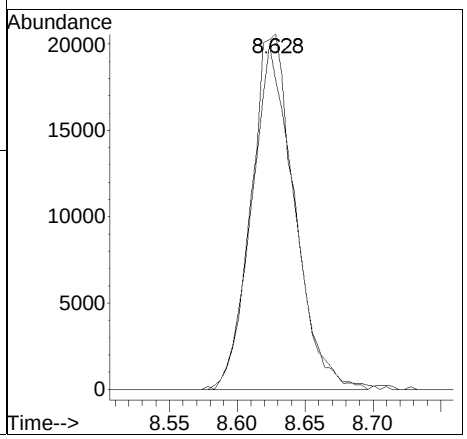


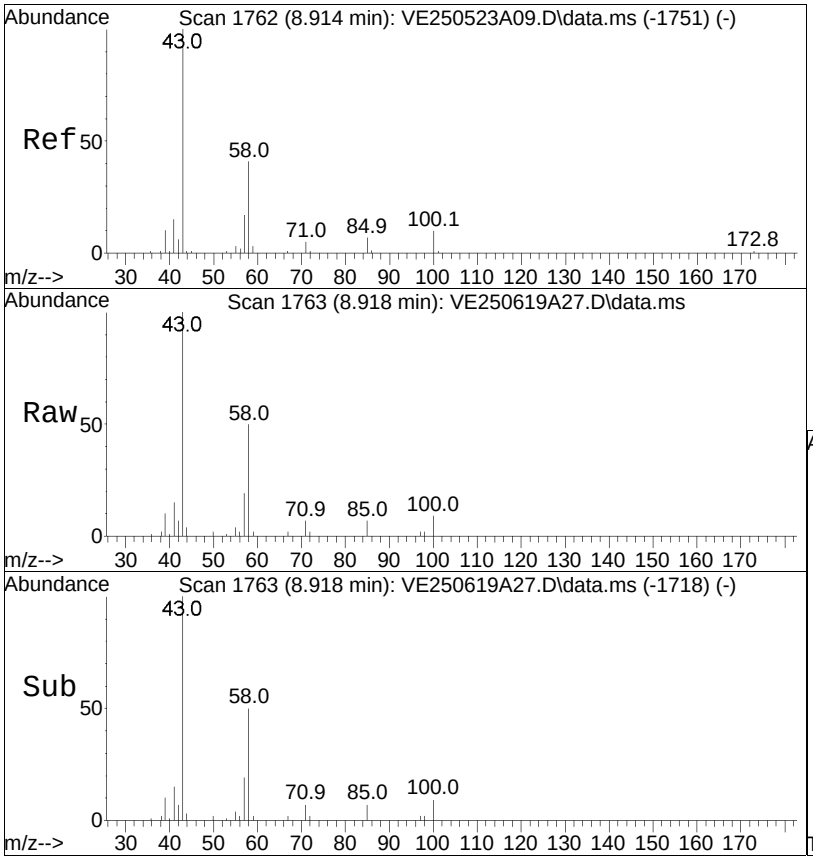


#75
1,2-Dibromoethane
Concen: 10.07 ug/L
RT: 8.628 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:107 Resp: 45976

Ion	Ratio	Lower	Upper
107	100		
109	95.5	75.0	112.6

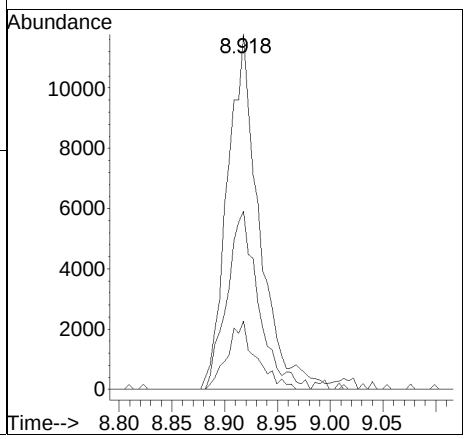


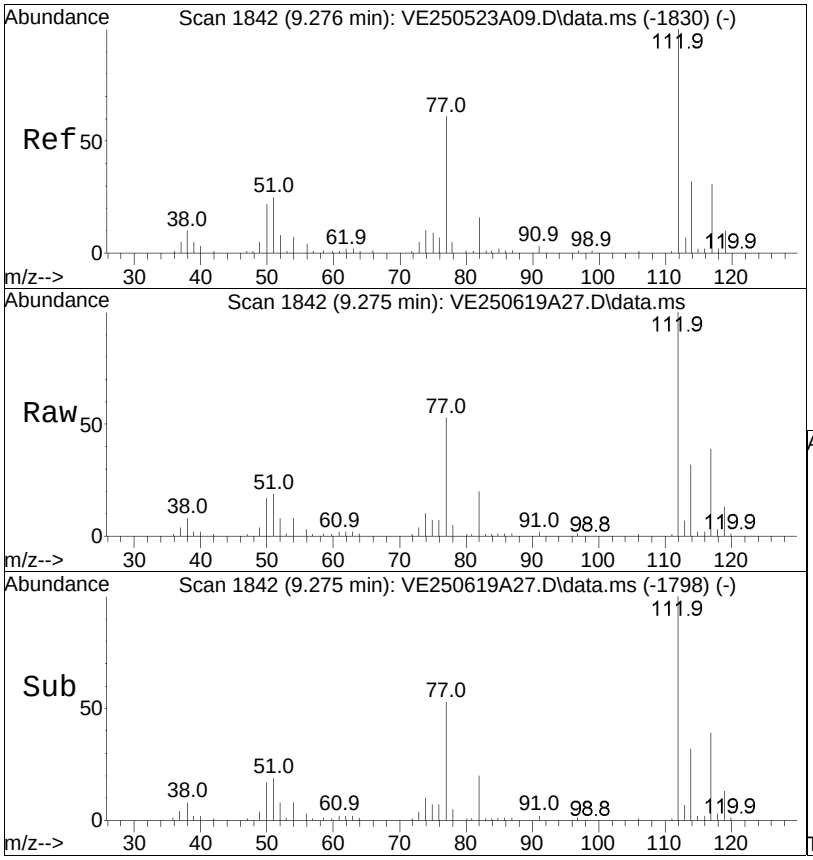


#77
2-Hexanone
Concen: 7.13 ug/L
RT: 8.918 min Scan# 1763
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 43 Resp: 25290

Ion	Ratio	Lower	Upper
43	100		
58	49.1	38.6	58.0
57	17.0	14.5	21.7

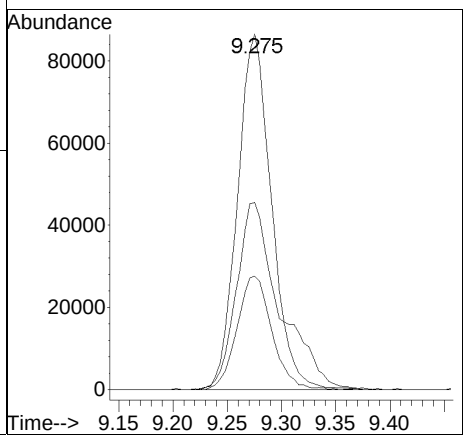


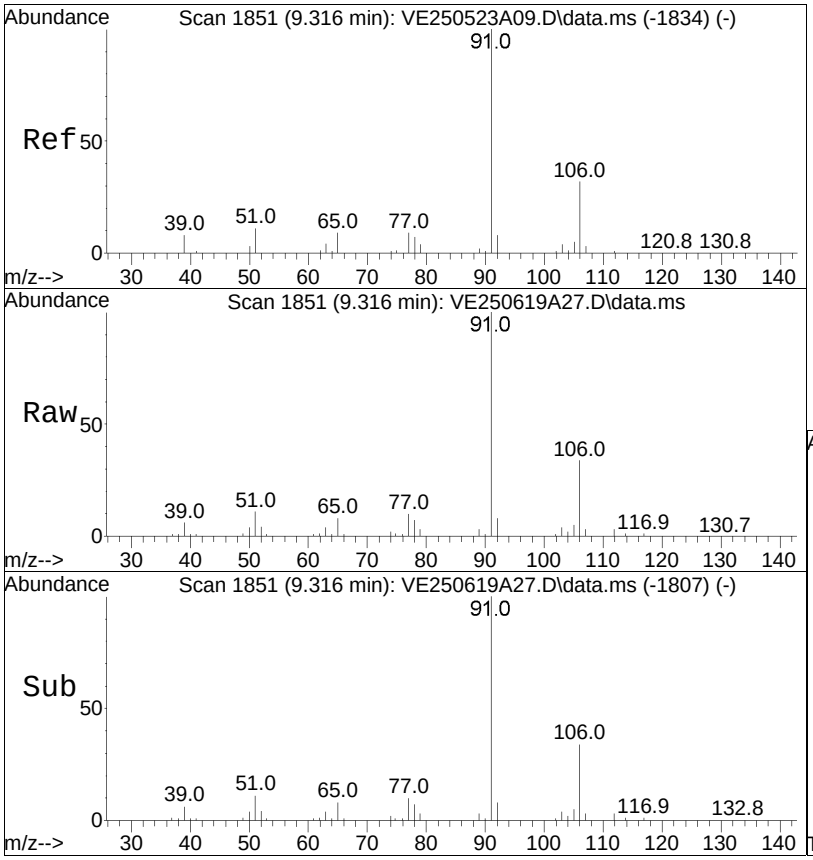


#78
Chlorobenzene
Concen: 10.19 ug/L
RT: 9.275 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:112 Resp: 188001

Ion	Ratio	Lower	Upper
112	100		
77	67.1	61.7	92.5
114	32.7	25.5	38.3

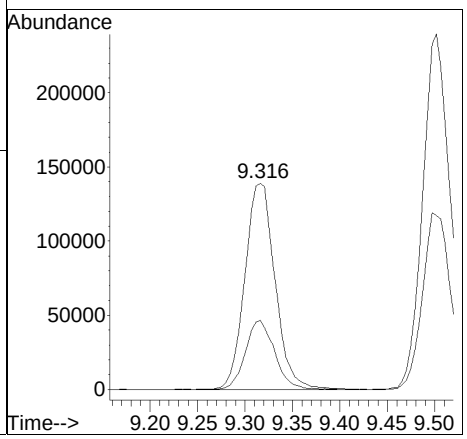


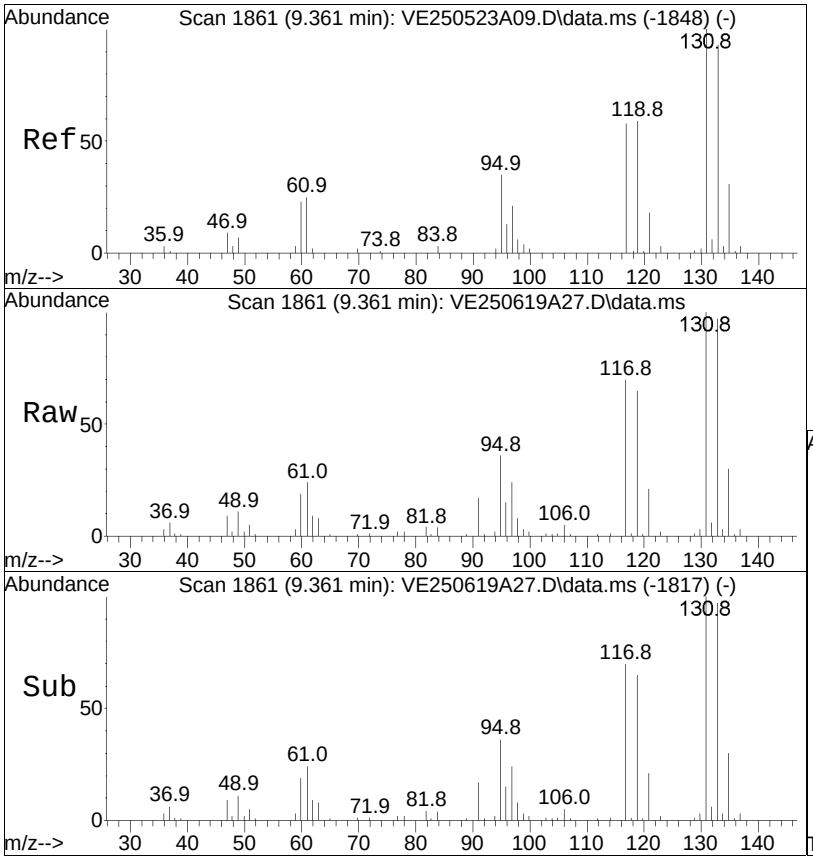


#79
Ethylbenzene
Concen: 9.52 ug/L
RT: 9.316 min Scan# 1851
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 91 Resp: 307487

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.7	37.1

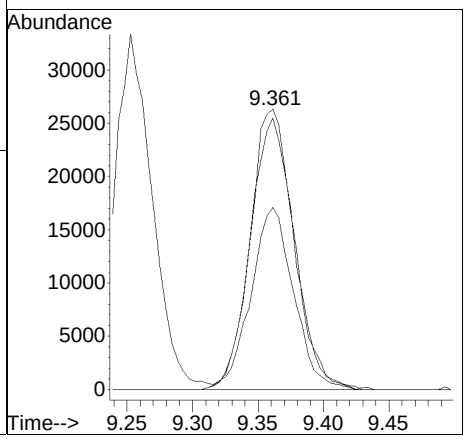


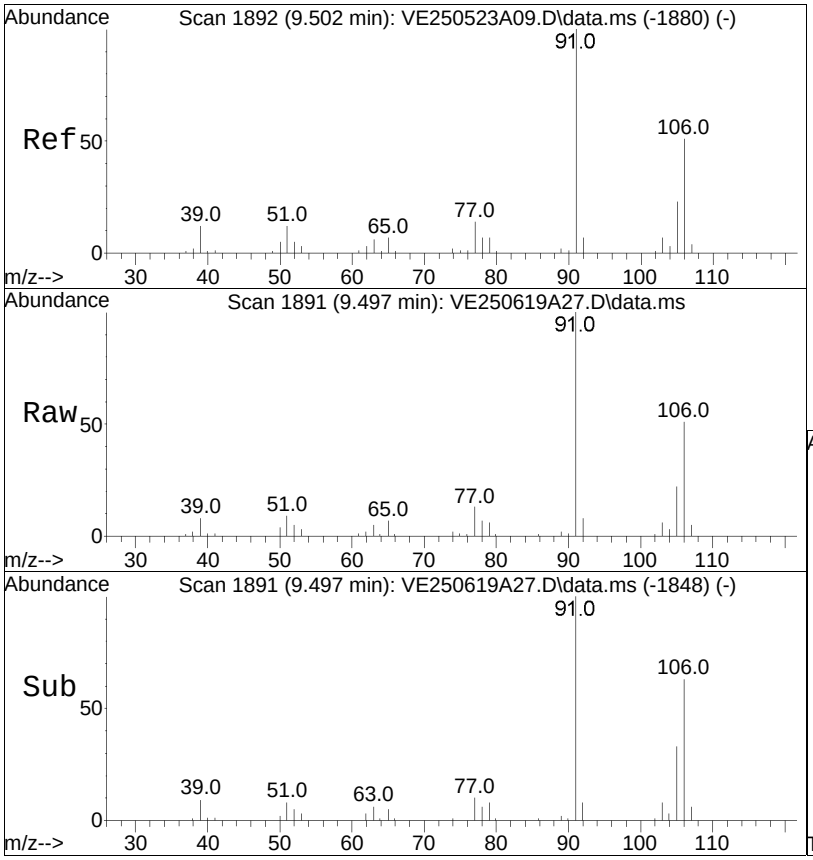


#80
1,1,1,2-Tetrachloroethane
Concen: 10.13 ug/L
RT: 9.361 min Scan# 1861
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:131 Resp: 61534

Ion	Ratio	Lower	Upper
131	100		
133	96.7	77.8	117.8
119	62.8	41.2	81.2

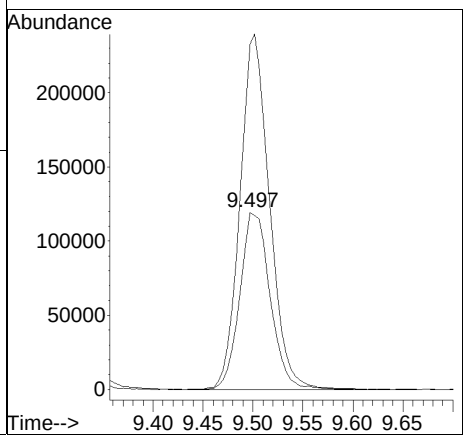


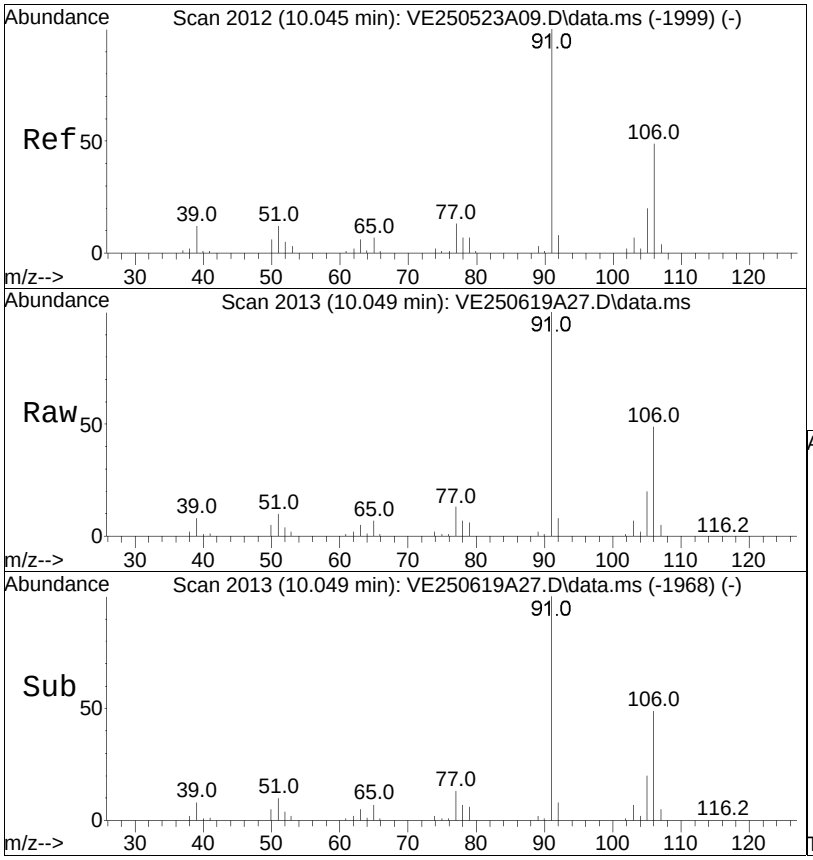


#81
p/m Xylene
Concen: 18.65 ug/L
RT: 9.497 min Scan# 1891
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:106 Resp: 251629

Ion	Ratio	Lower	Upper
106	100		
91	195.4	163.2	244.8

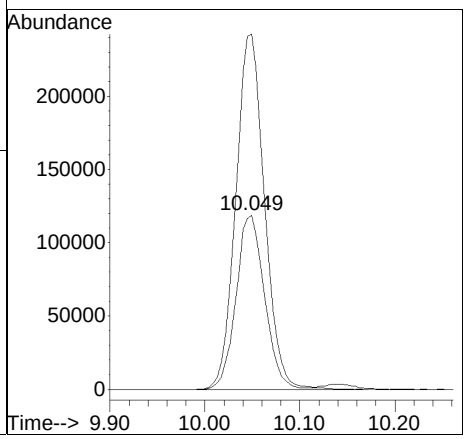


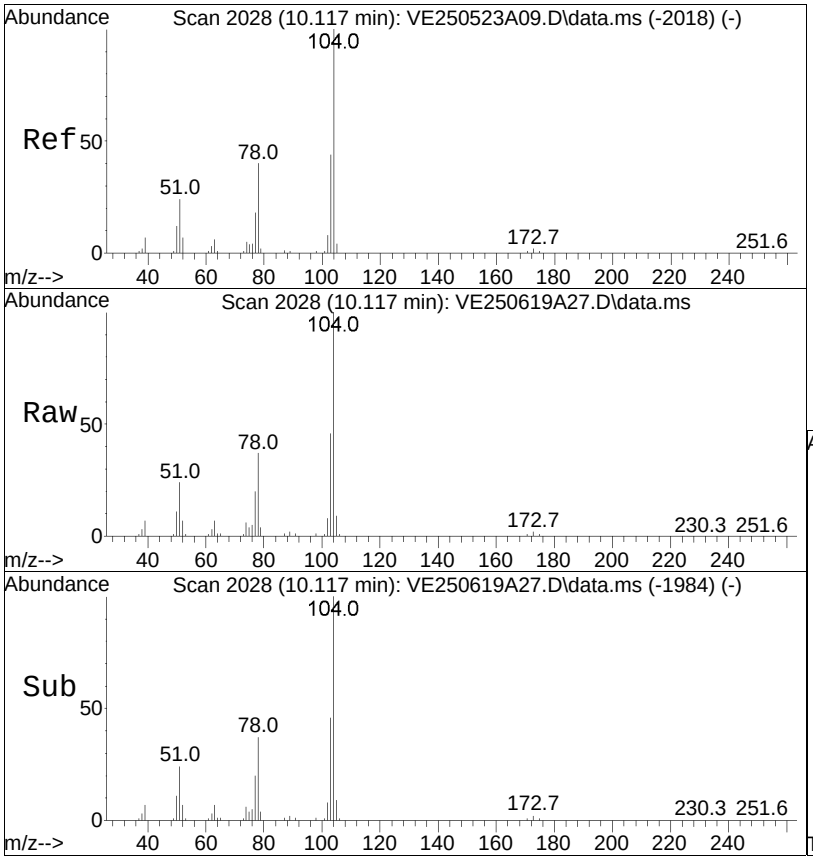


#82
o Xylene
Concen: 18.71 ug/L
RT: 10.049 min Scan# 2013
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:106 Resp: 249751

Ion	Ratio	Lower	Upper
106	100		
91	206.3	177.0	265.6

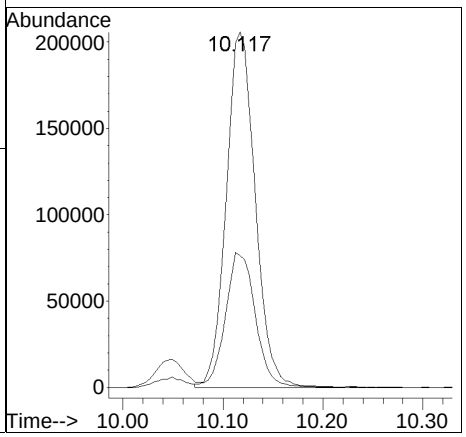


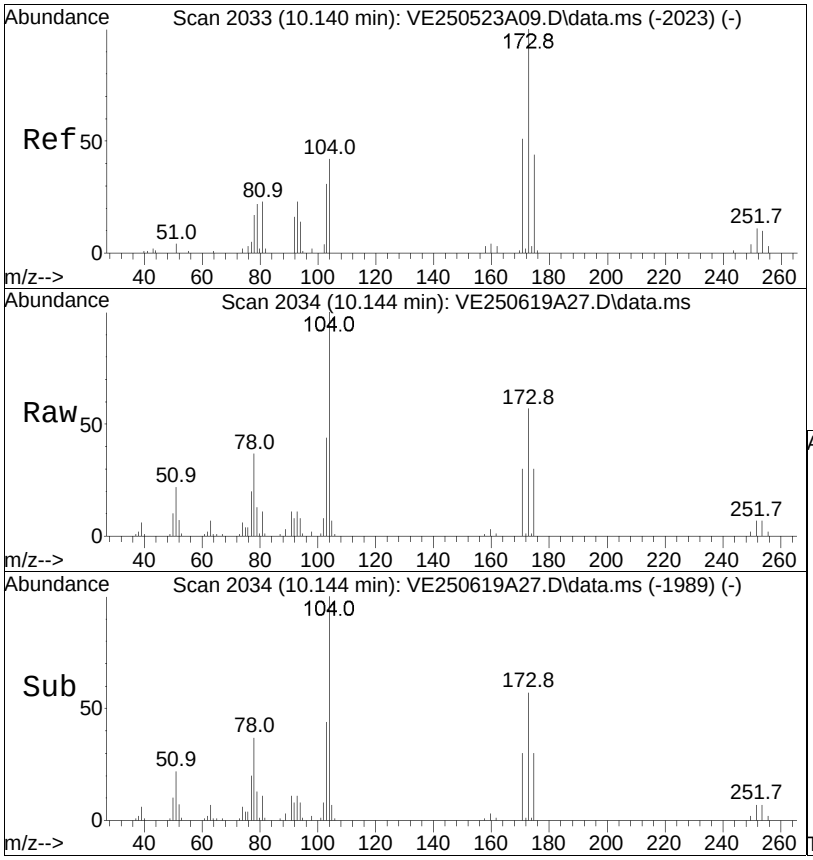


#83
Styrene
Concen: 18.49 ug/L
RT: 10.117 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:104 Resp: 415399

Ion	Ratio	Lower	Upper
104	100		
78	38.8	34.1	51.1

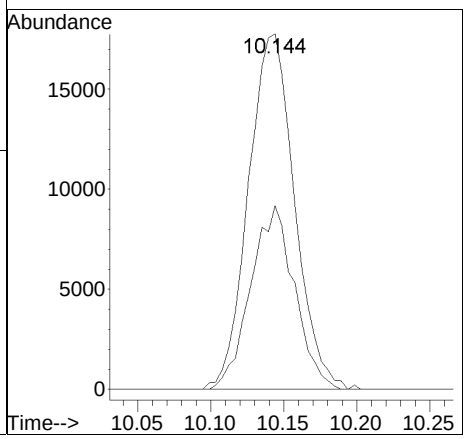


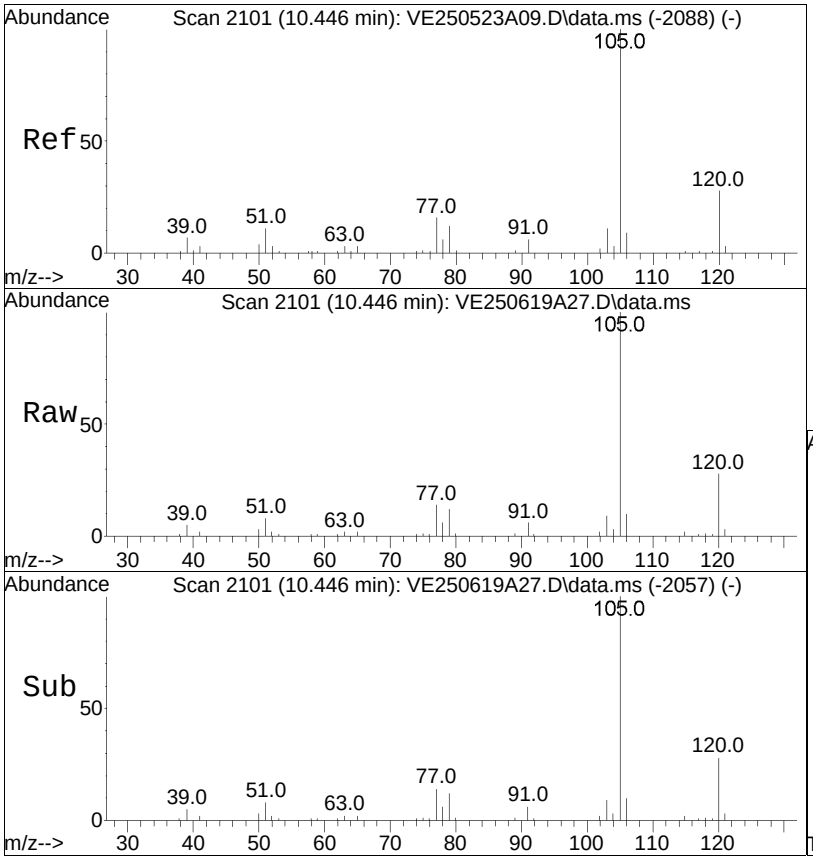


#85
Bromoform
Concen: 9.78 ug/L
RT: 10.144 min Scan# 2034
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:173 Resp: 39031

Ion	Ratio	Lower	Upper
173	100		
175	49.1	25.9	65.9

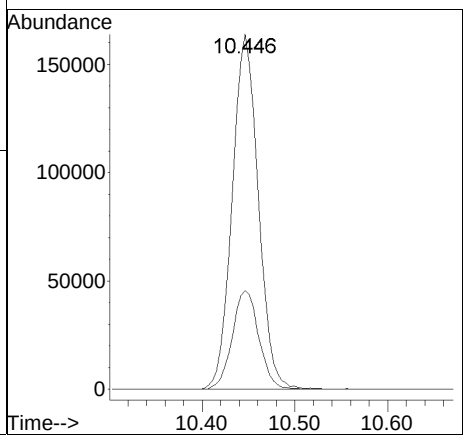


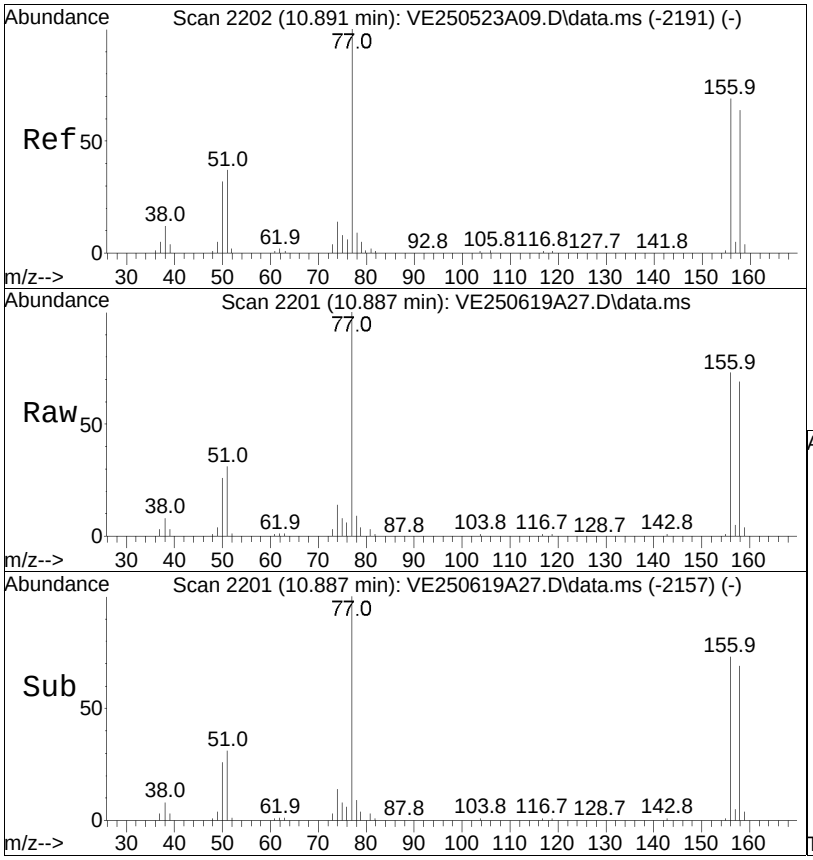


#87
Isopropylbenzene
Concen: 8.68 ug/L
RT: 10.446 min Scan# 2101
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:105 Resp: 321212

Ion	Ratio	Lower	Upper
105	100		
120	28.4	6.4	46.4

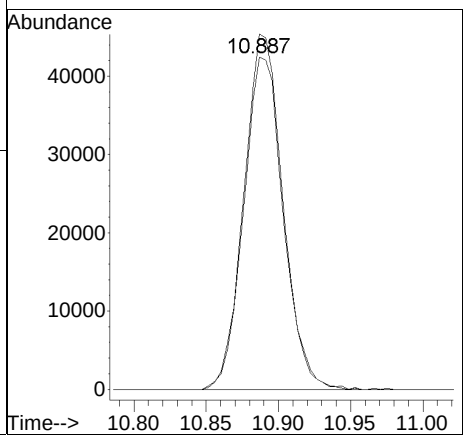


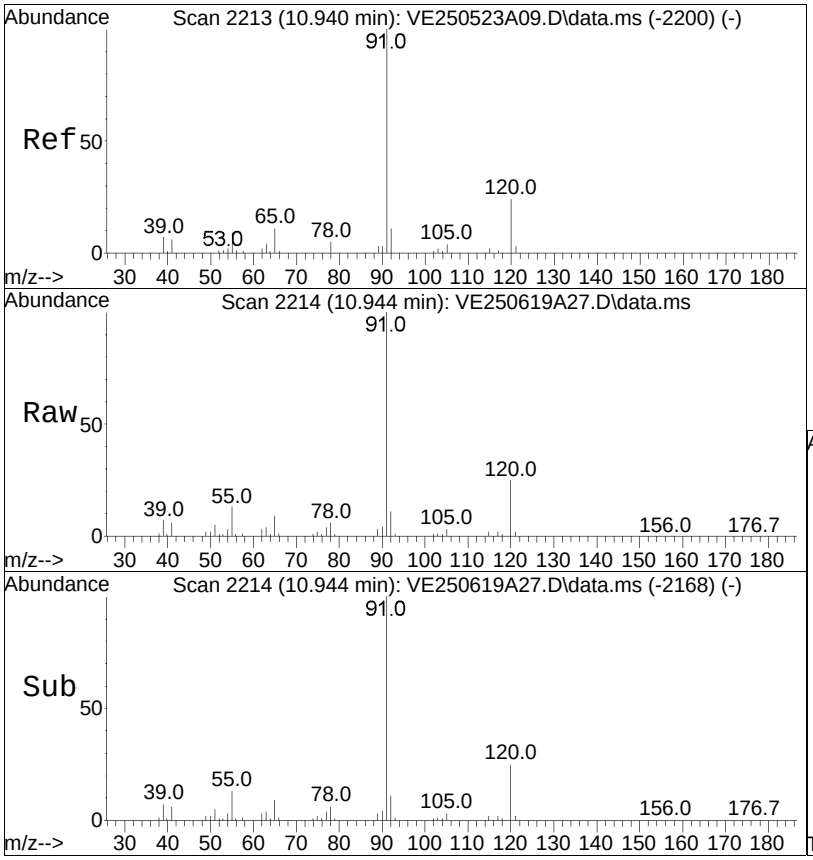


#89
Bromobenzene
Concen: 10.07 ug/L
RT: 10.887 min Scan# 2201
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:156 Resp: 85186

Ion	Ratio	Lower	Upper
156	100		
158	94.6	78.0	117.0

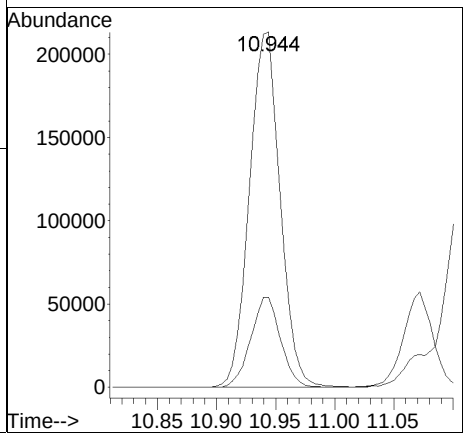


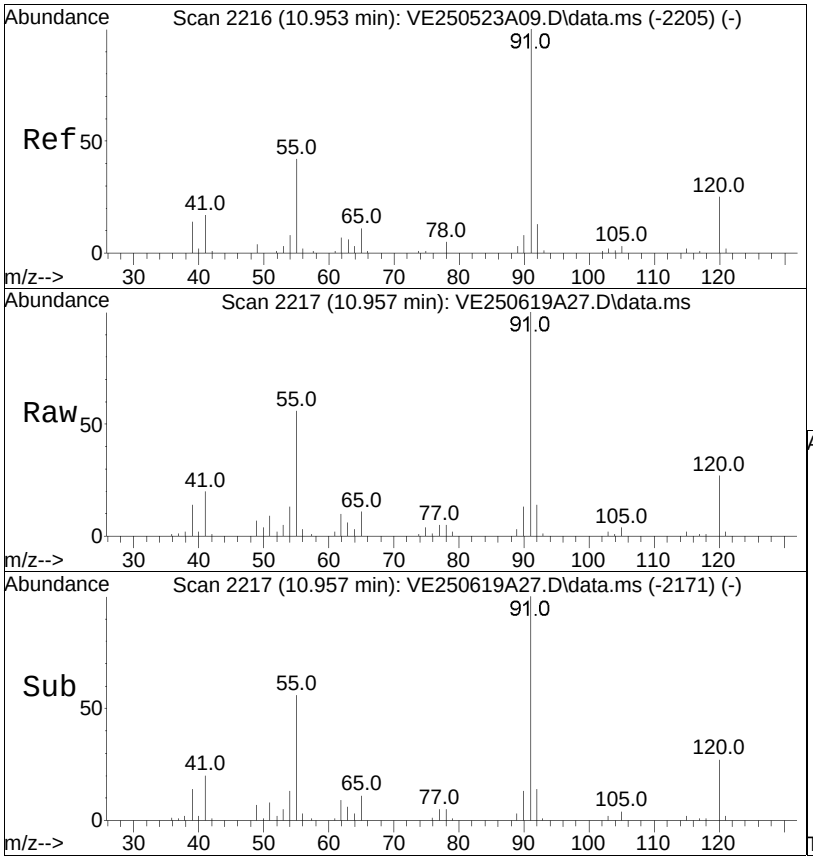


#90
n-Propylbenzene
Concen: 8.86 ug/L
RT: 10.944 min Scan# 2214
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 91 Resp: 386581

Ion	Ratio	Lower	Upper
91	100		
120	24.6	18.5	27.7

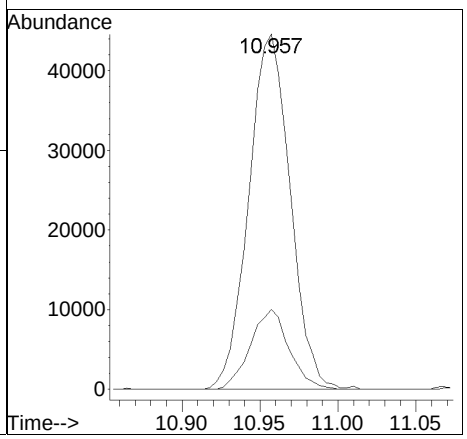


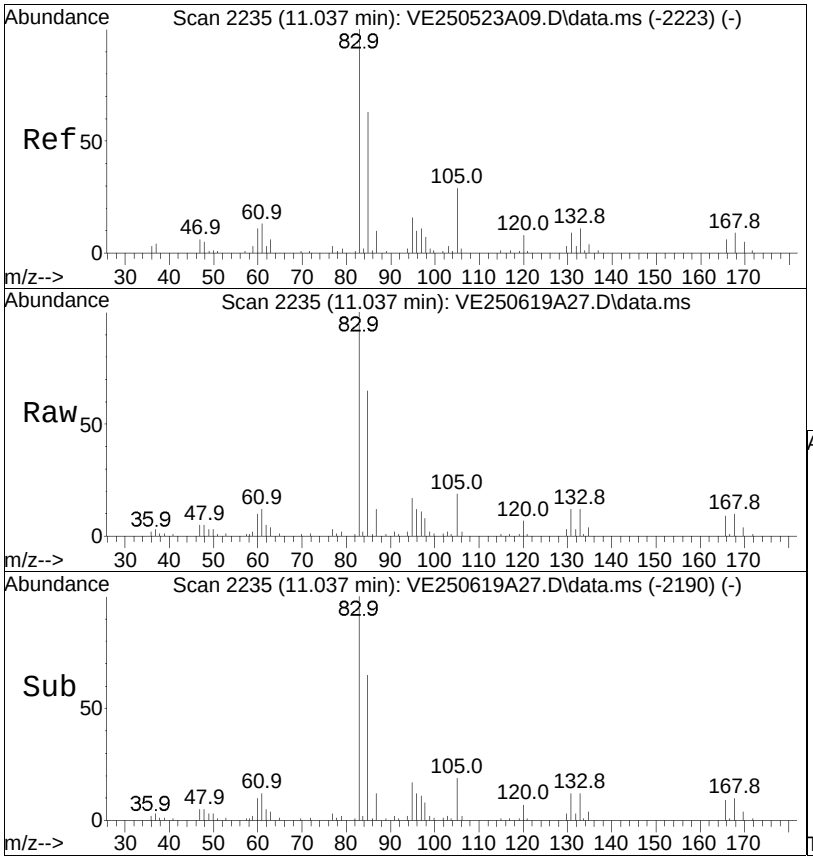


#91
1,4-Dichlorobutane
Concen: 8.07 ug/L
RT: 10.957 min Scan# 2217
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 55 Resp: 82501

Ion	Ratio	Lower	Upper
55	100		
54	21.0	16.9	25.3

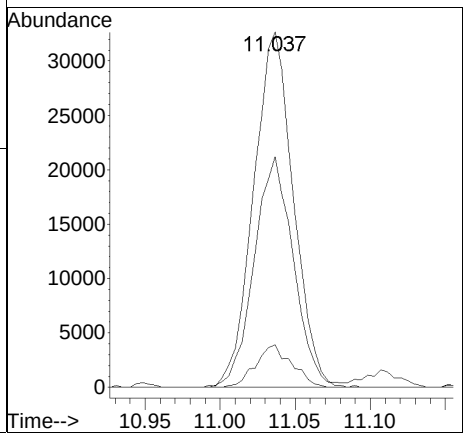


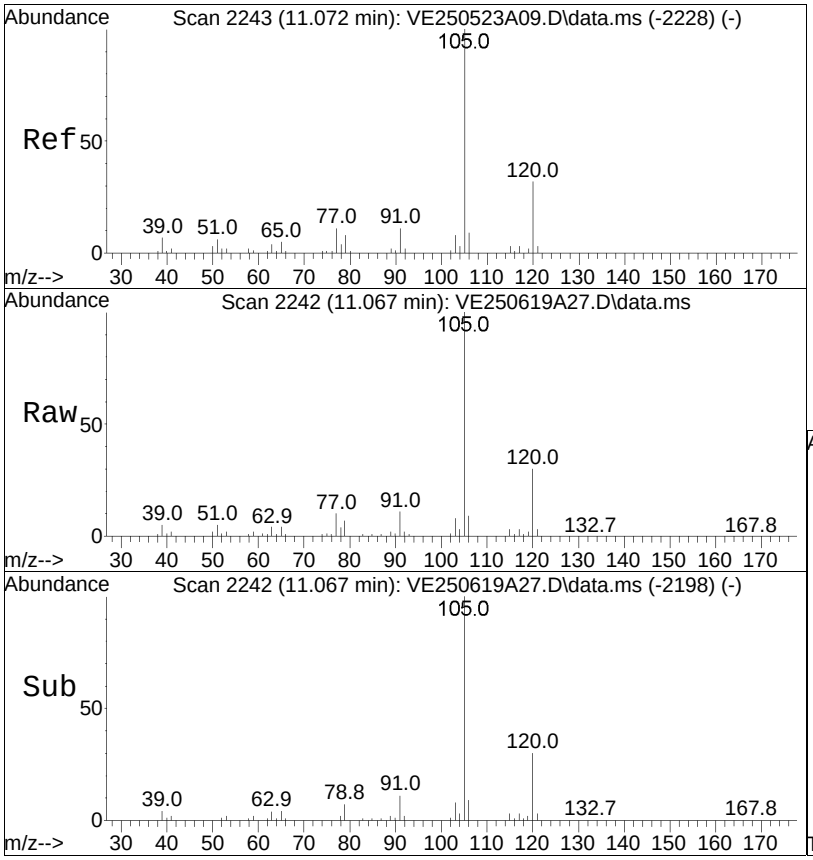


#92
1,1,2,2-Tetrachloroethane
Concen: 10.27 ug/L
RT: 11.037 min Scan# 2235
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 83 Resp: 60258

Ion	Ratio	Lower	Upper
83	100		
131	11.0	0.0	30.3
85	64.3	46.4	86.4

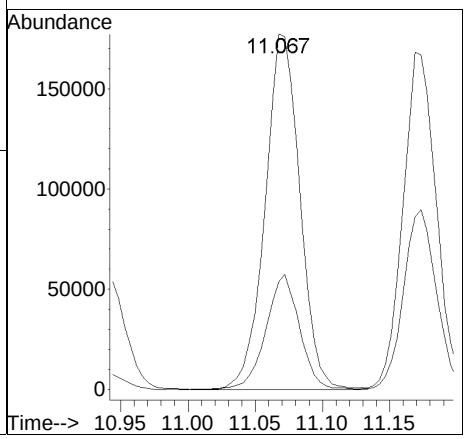


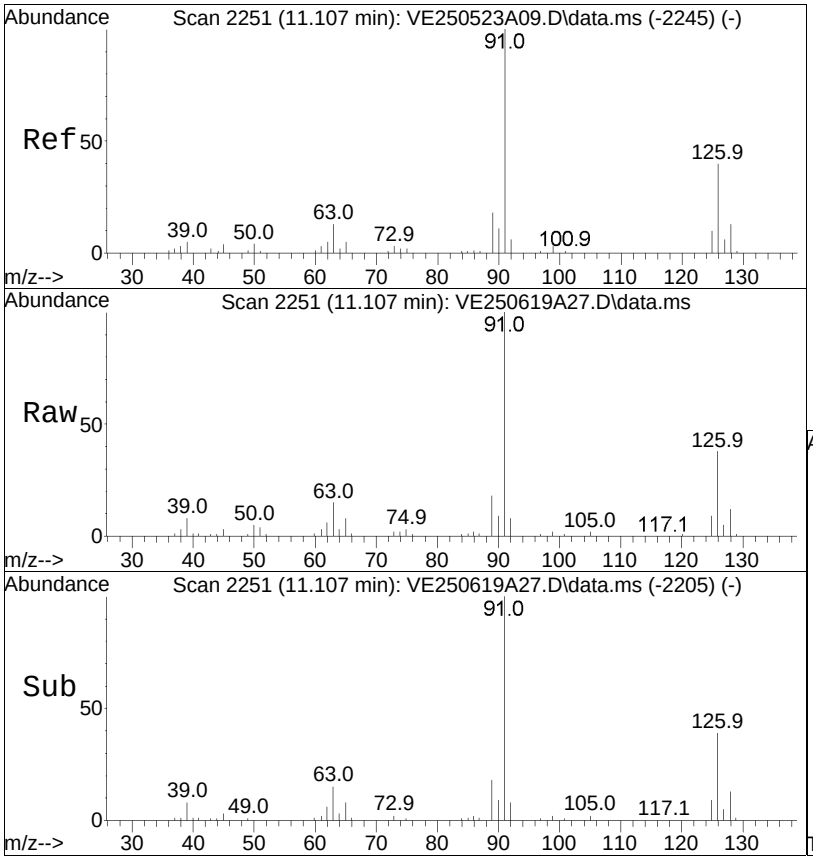


#93
4-Ethyltoluene
Concen: 8.59 ug/L
RT: 11.067 min Scan# 2242
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:105 Resp: 319145

Ion	Ratio	Lower	Upper
105	100		
120	31.1	19.4	40.2

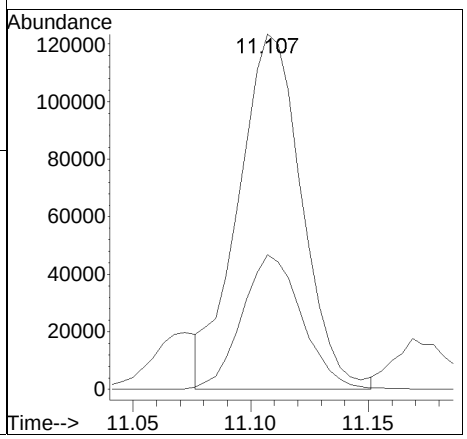


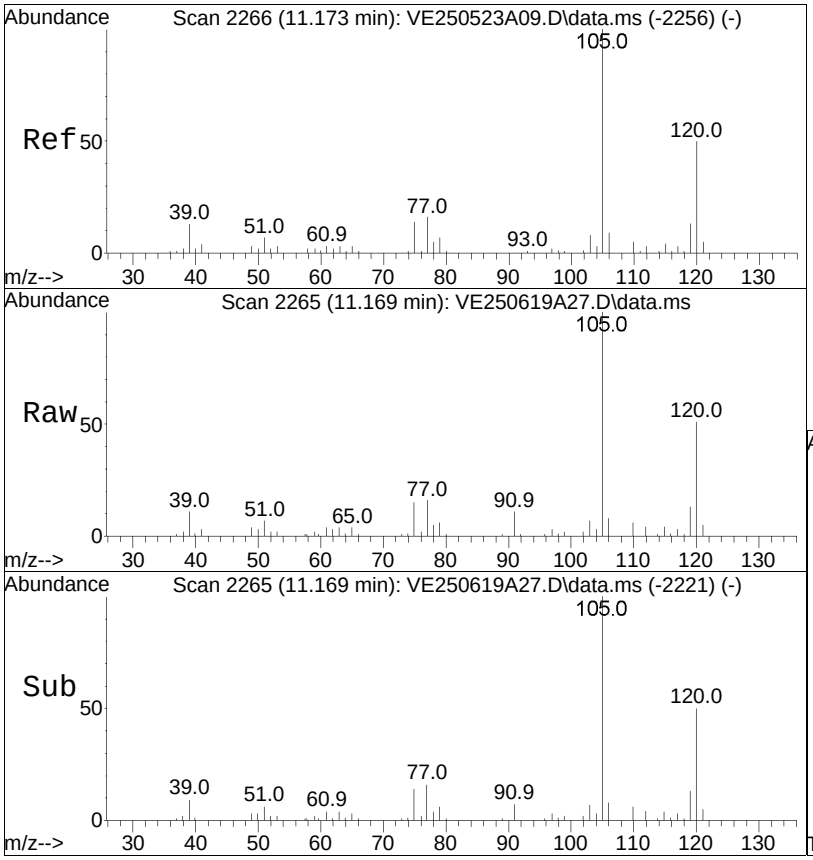


#94
2-Chlorotoluene
Concen: 8.98 ug/L M6
RT: 11.107 min Scan# 2251
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 91 Resp: 232420

Ion	Ratio	Lower	Upper
91	100		
126	35.8	27.1	40.7

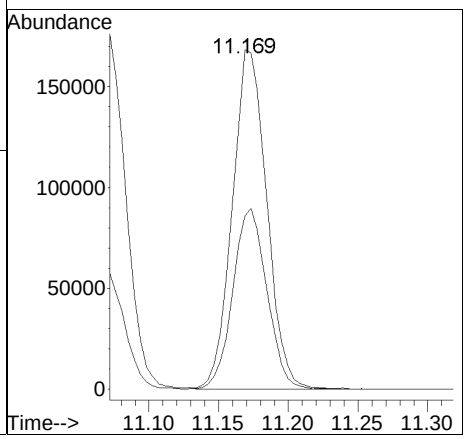


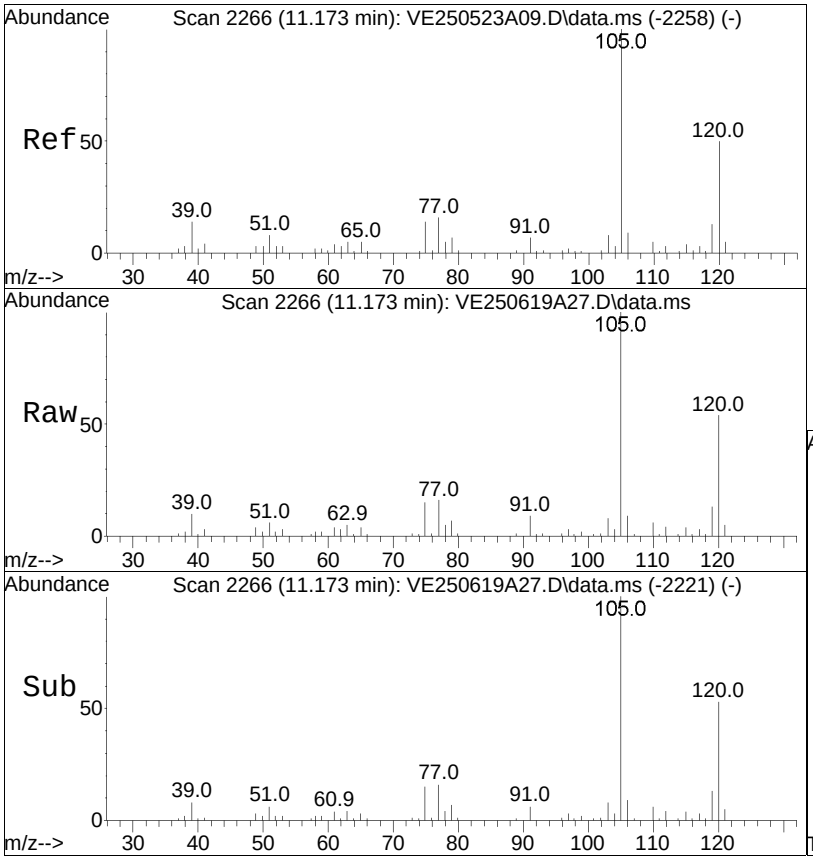


#95
1,3,5-Trimethylbenzene
Concen: 8.89 ug/L
RT: 11.169 min Scan# 2265
Delta R.T. -0.005 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:105 Resp: 289712

Ion	Ratio	Lower	Upper
105	100		
120	52.8	40.2	60.2

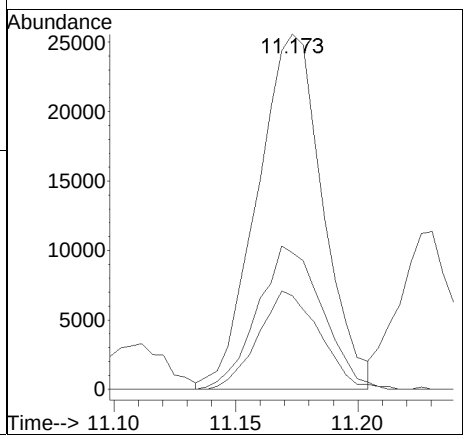


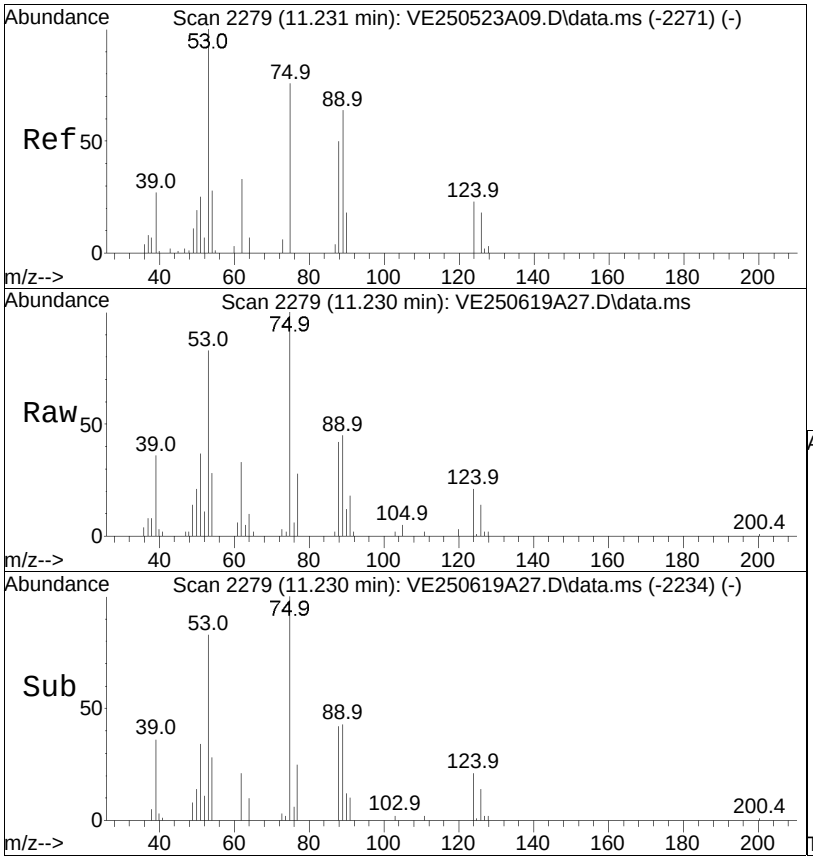


#96
1,2,3-Trichloropropane
Concen: 9.40 ug/L
RT: 11.173 min Scan# 2266
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 75 Resp: 47931

Ion	Ratio	Lower	Upper
75	100		
110	39.7	22.8	47.4
112	26.0	14.9	30.9

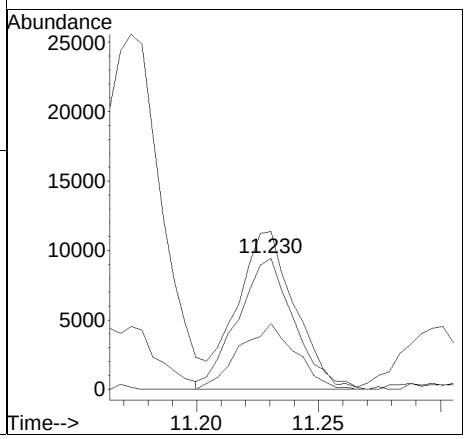


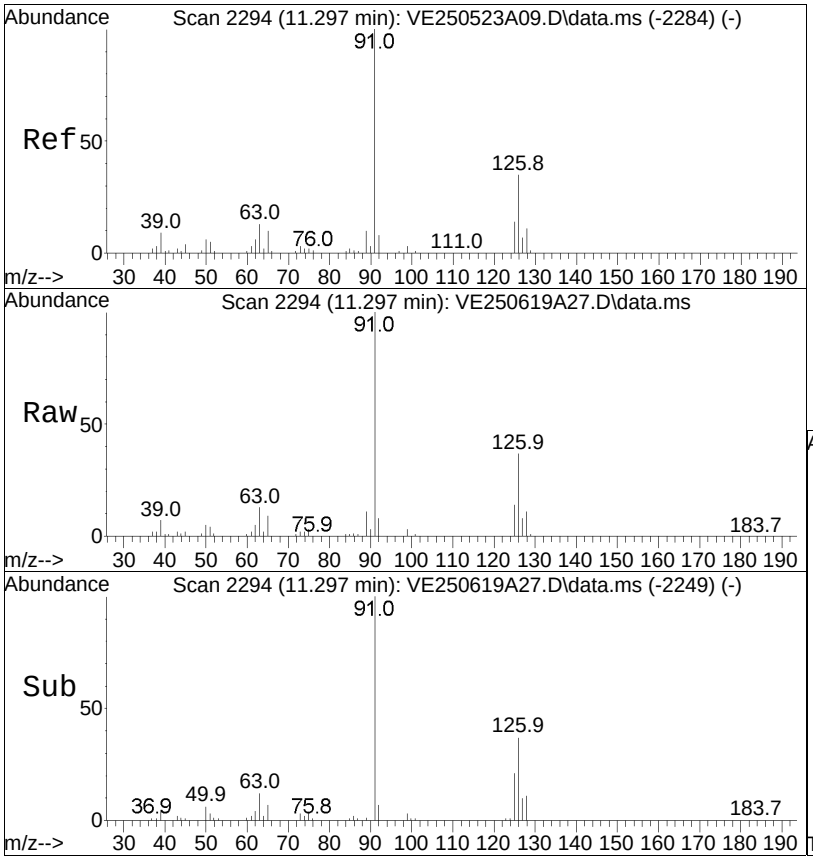


#97
trans-1,4-Dichloro-2-butene
Concen: 7.36 ug/L
RT: 11.230 min Scan# 2279
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 53 Resp: 15190

Ion	Ratio	Lower	Upper
53	100		
88	50.2	32.6	49.0#
75	120.6	75.3	112.9#

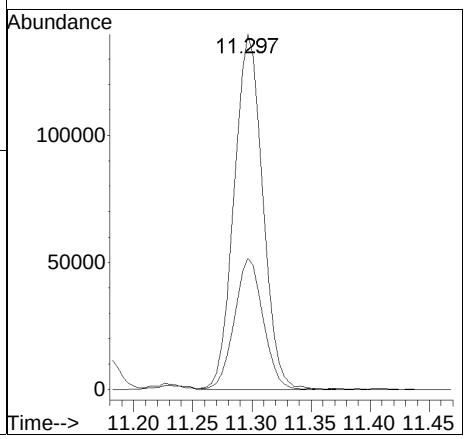


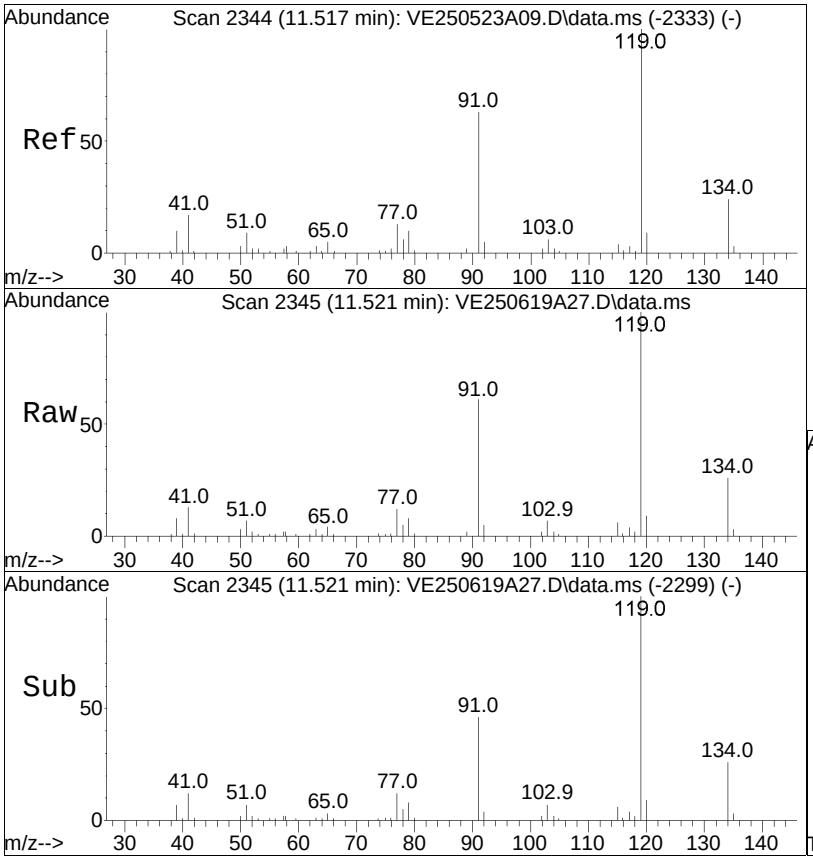


#98
4-Chlorotoluene
Concen: 8.76 ug/L
RT: 11.297 min Scan# 2294
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 91 Resp: 235682

Ion	Ratio	Lower	Upper
91	100		
126	36.9	26.2	39.4

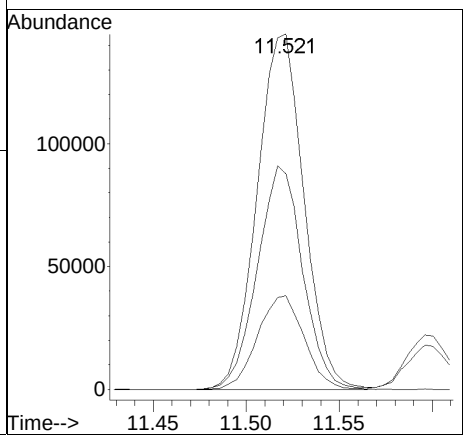


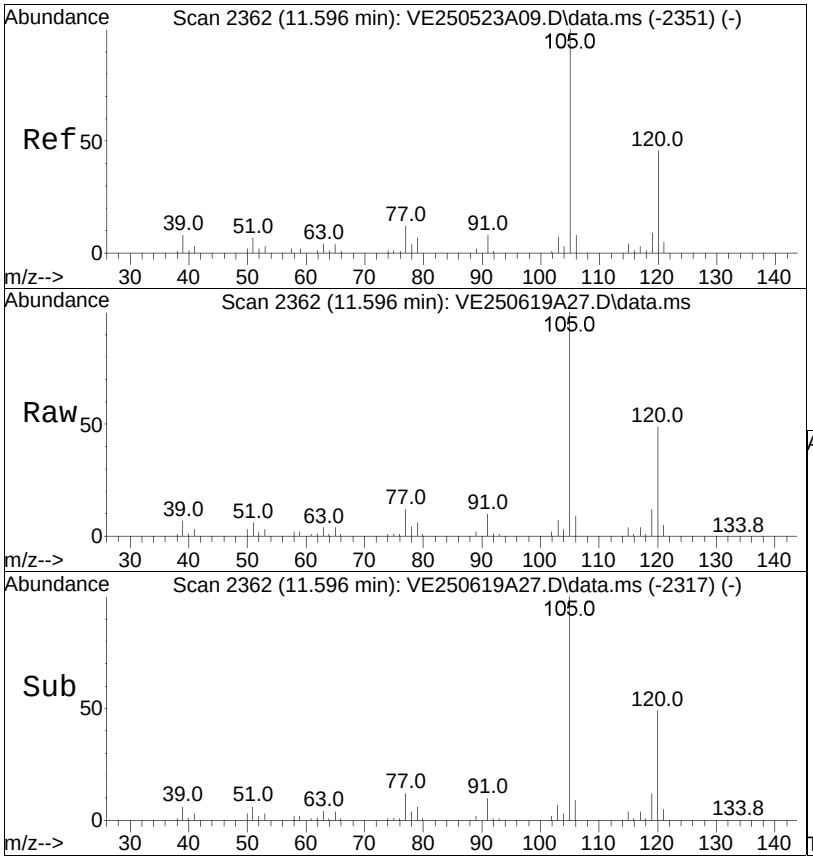


#99
tert-Butylbenzene
Concen: 8.95 ug/L
RT: 11.521 min Scan# 2345
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:119 Resp: 253748

Ion	Ratio	Lower	Upper
119	100		
91	60.9	55.4	83.0
134	26.2	21.8	32.6

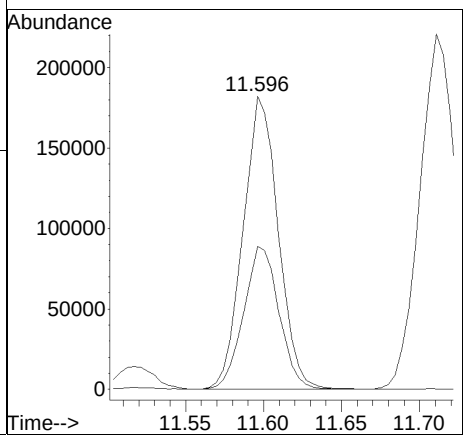


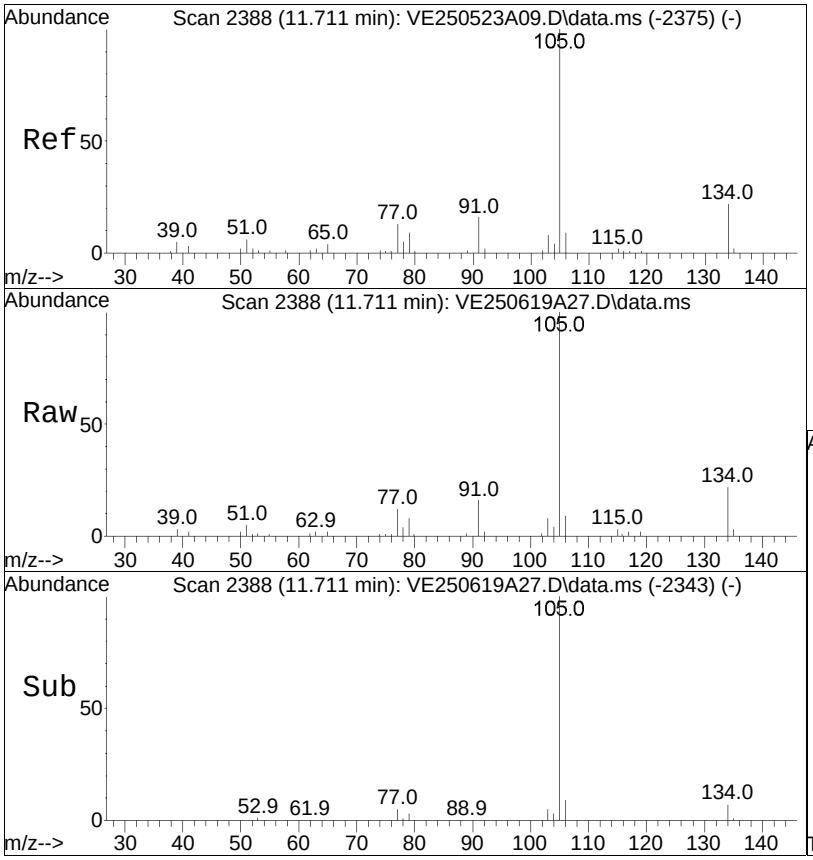


#102
1,2,4-Trimethylbenzene
Concen: 9.03 ug/L
RT: 11.596 min Scan# 2362
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:105 Resp: 285932

Ion	Ratio	Lower	Upper
105	100		
120	49.0	36.5	54.7

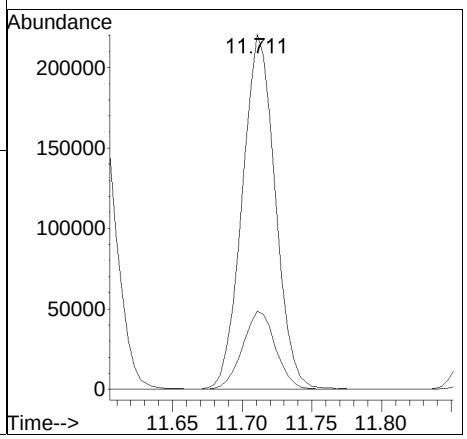


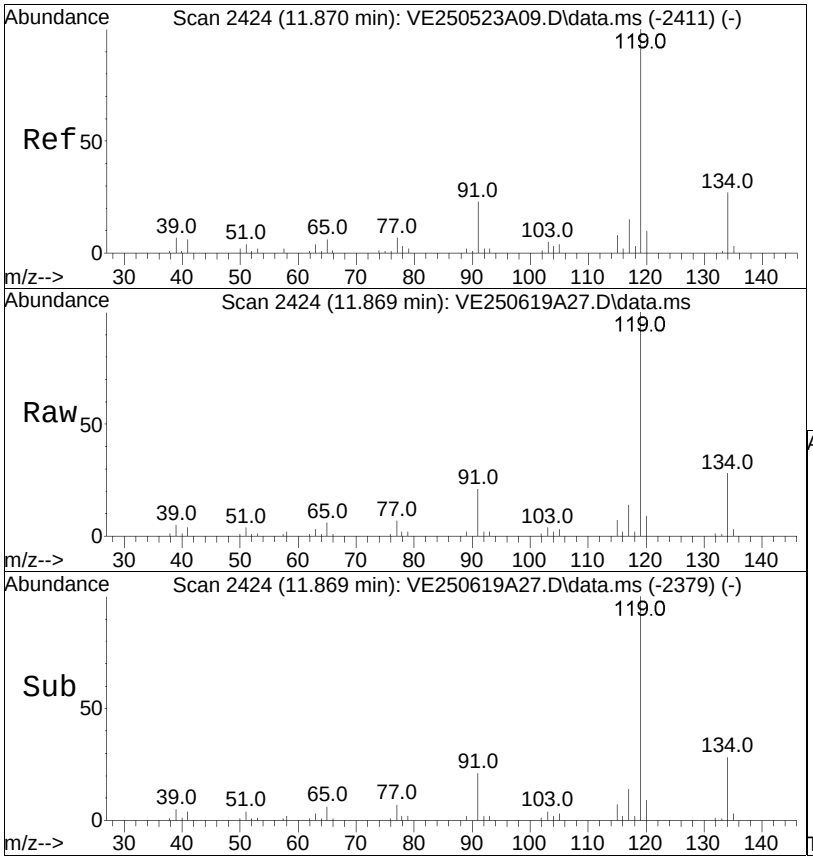


#103
sec-Butylbenzene
Concen: 8.94 ug/L
RT: 11.711 min Scan# 2388
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:105 Resp: 363763

Ion	Ratio	Lower	Upper
105	100		
134	22.1	13.9	28.9

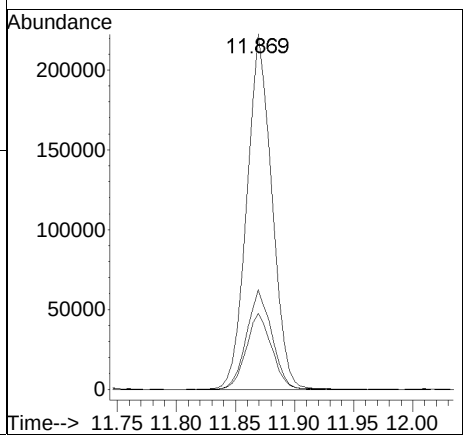


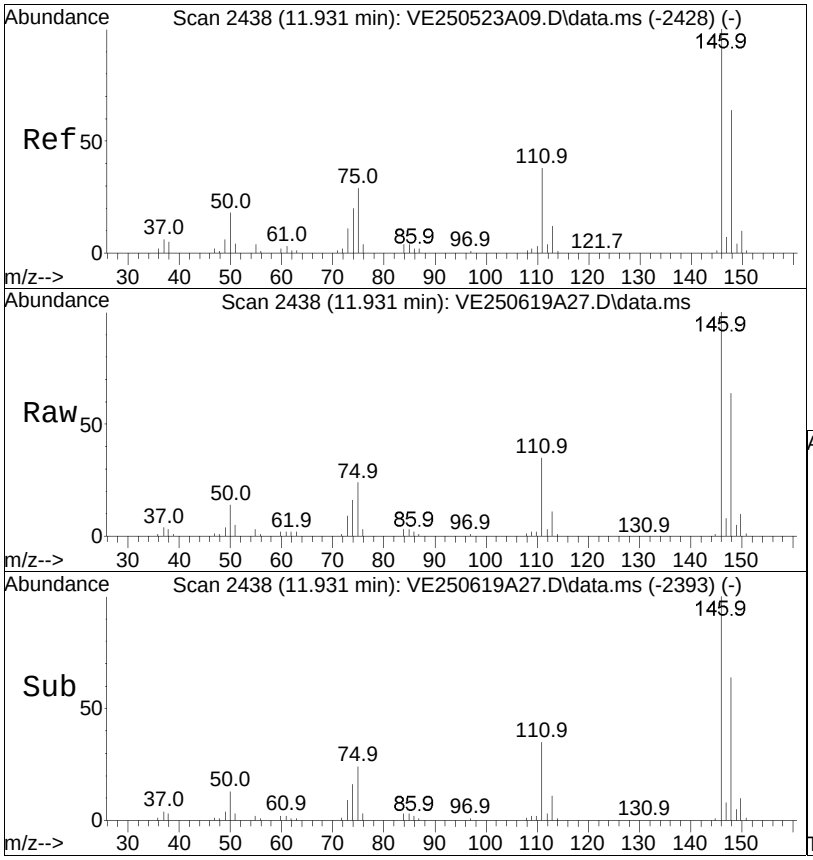


#104
p-Isopropyltoluene
Concen: 9.09 ug/L
RT: 11.869 min Scan# 2424
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:119 Resp: 328368

Ion	Ratio	Lower	Upper
119	100		
134	28.2	18.3	37.9
91	21.8	15.6	32.4

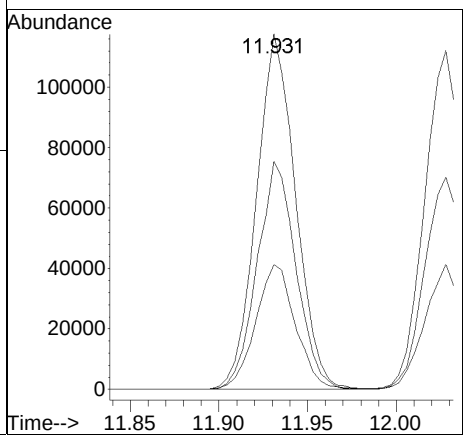


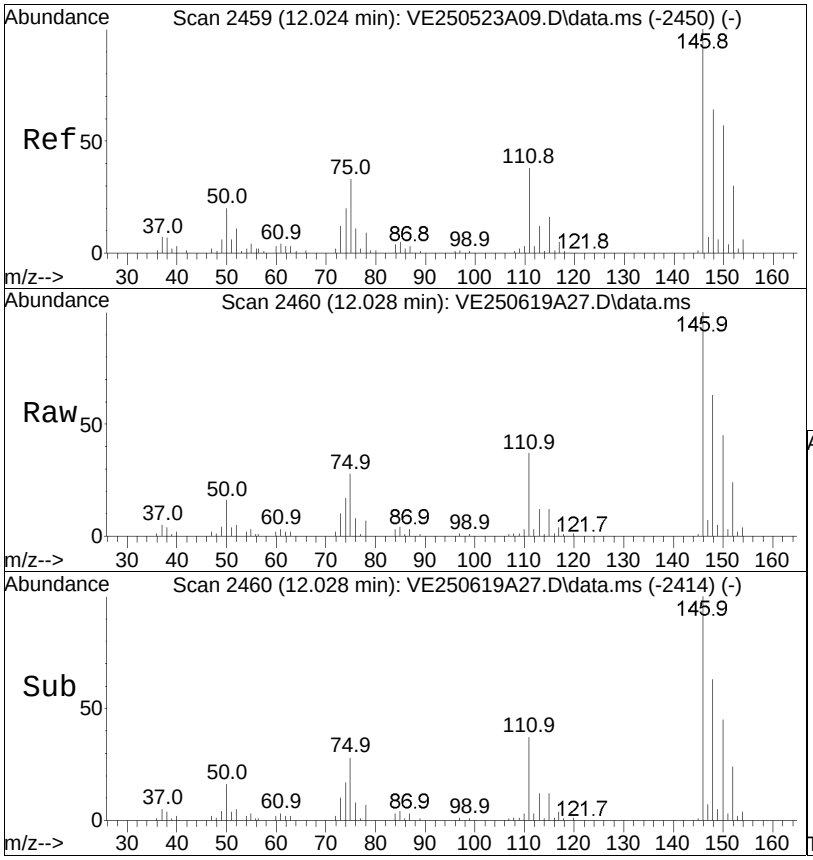


#105
1,3-Dichlorobenzene
Concen: 9.66 ug/L
RT: 11.931 min Scan# 2438
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:146 Resp: 180700

Ion	Ratio	Lower	Upper
146	100		
111	35.6	26.0	54.0
148	63.7	42.1	87.5

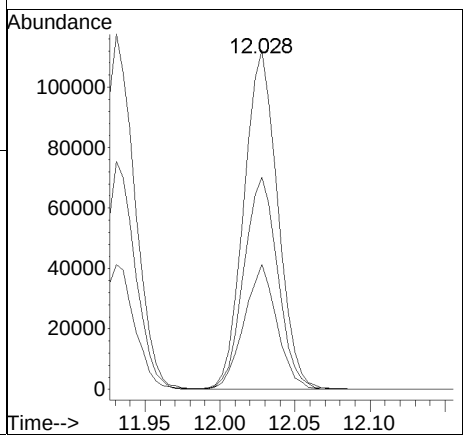


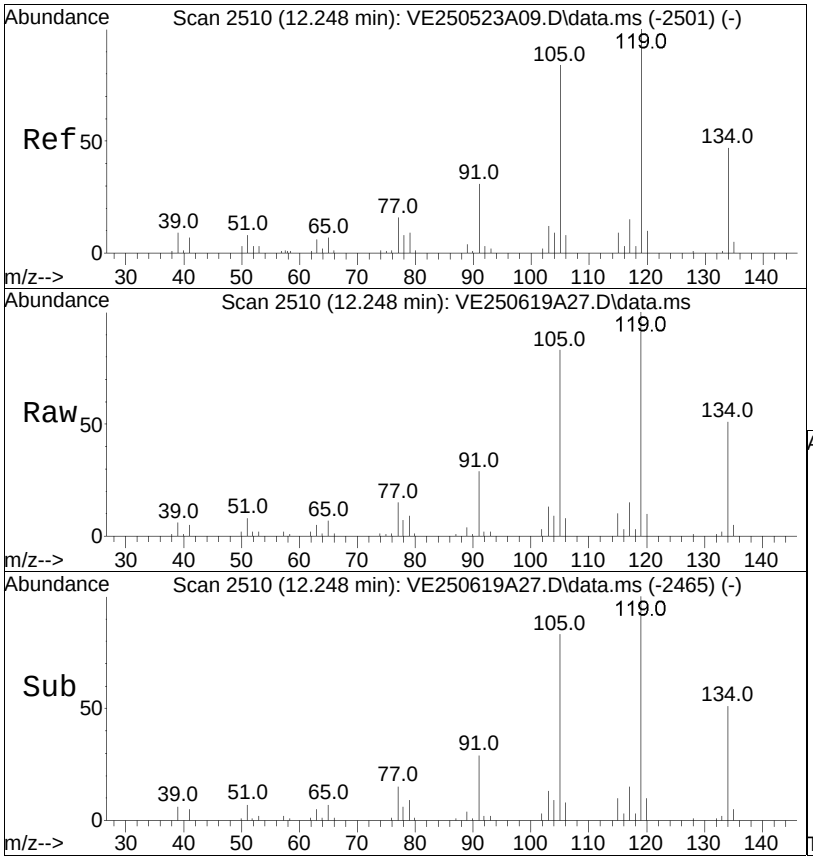


#106
1,4-Dichlorobenzene
Concen: 9.55 ug/L
RT: 12.028 min Scan# 2460
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:146 Resp: 176255

Ion	Ratio	Lower	Upper
146	100		
111	35.8	30.0	45.0
148	62.8	51.2	76.8

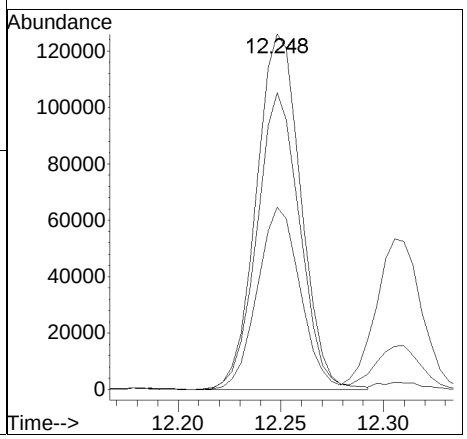


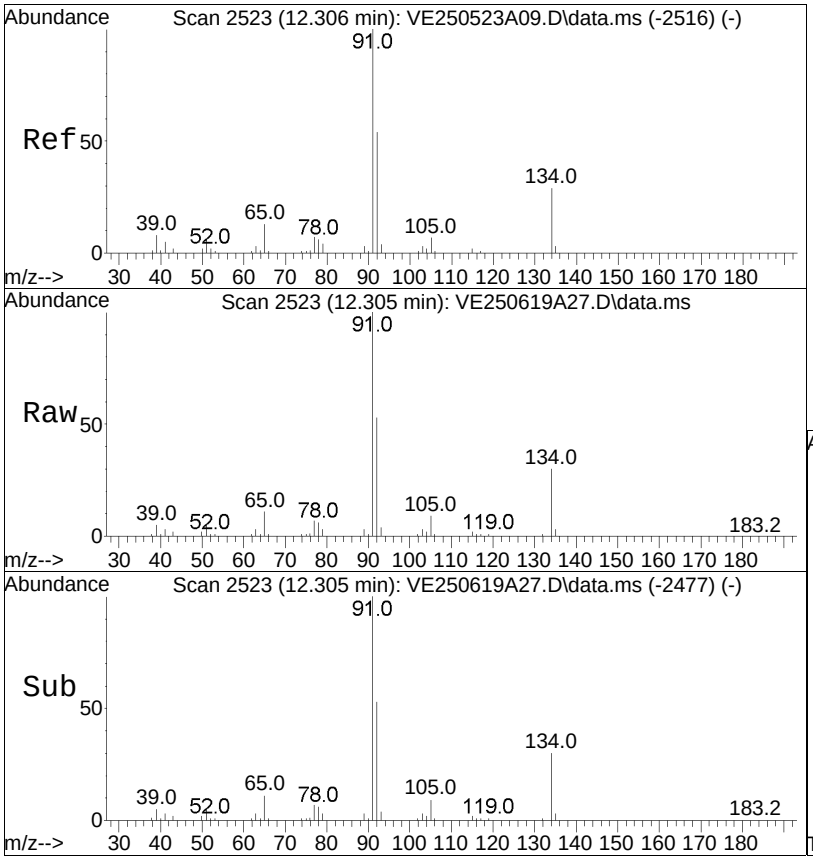


#107
p-Diethylbenzene
Concen: 8.76 ug/L
RT: 12.248 min Scan# 2510
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:119 Resp: 189544

Ion	Ratio	Lower	Upper
119	100		
105	80.5	55.4	115.0
134	49.5	31.8	66.0

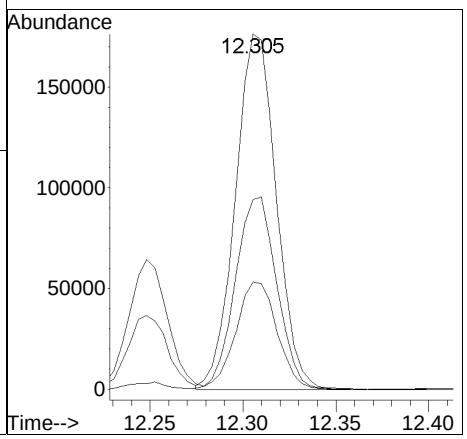


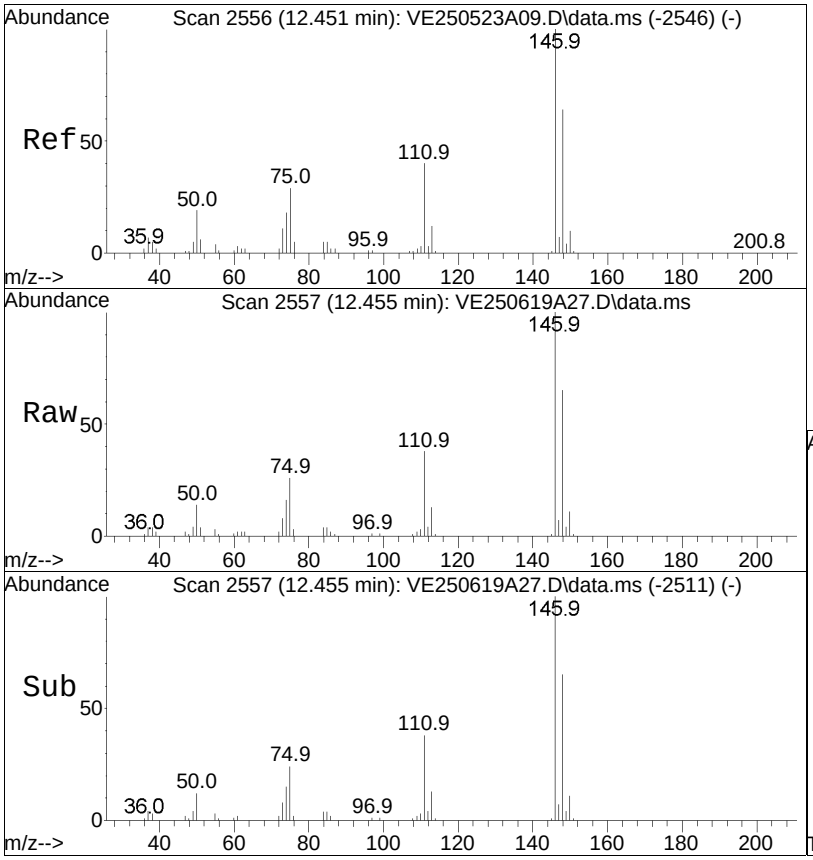


#108
n-Butylbenzene
Concen: 9.08 ug/L
RT: 12.305 min Scan# 2523
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion: 91 Resp: 270687

Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.1	64.7
134	30.4	21.7	32.5

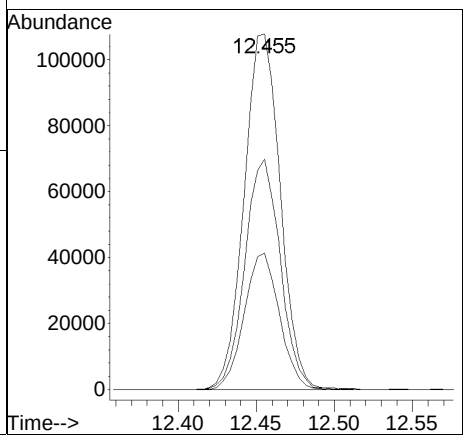


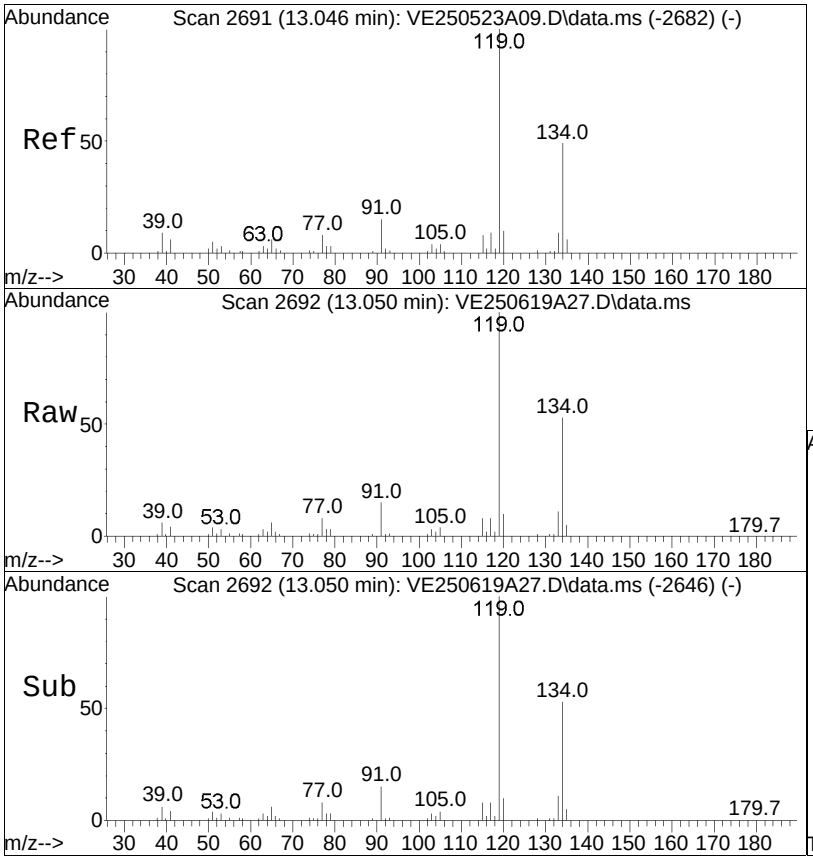


#109
1,2-Dichlorobenzene
Concen: 10.00 ug/L
RT: 12.455 min Scan# 2557
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:146 Resp: 173919

Ion	Ratio	Lower	Upper
146	100		
111	37.3	26.1	54.1
148	63.5	41.7	86.5

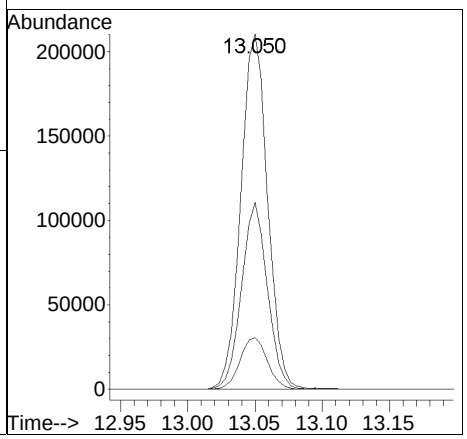


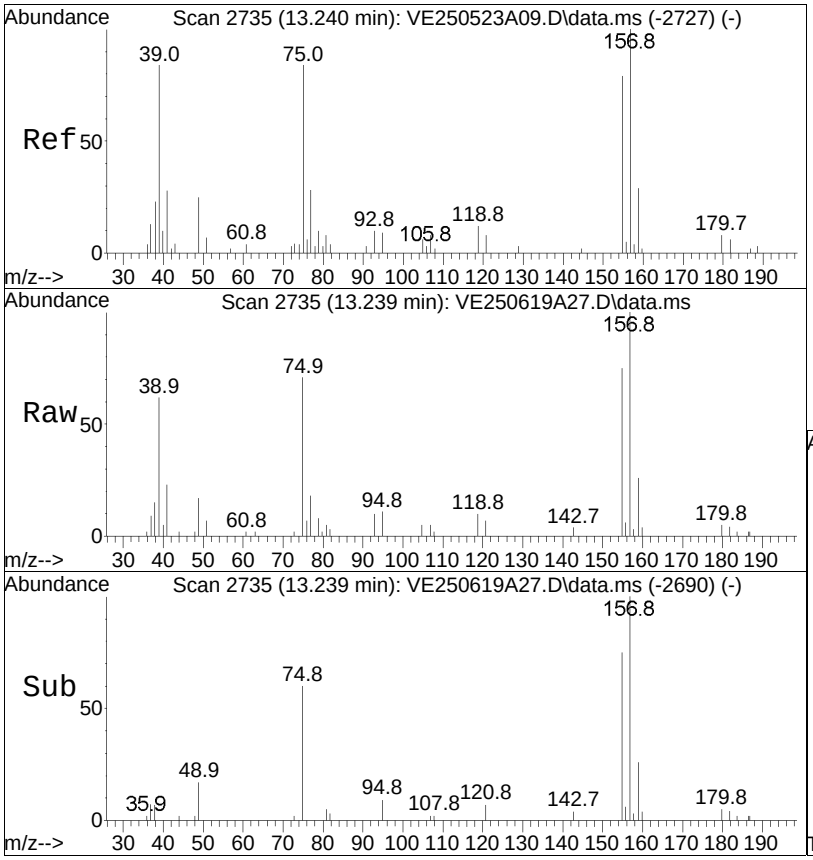


#110
1,2,4,5-Tetramethylbenzene
Concen: 8.66 ug/L
RT: 13.050 min Scan# 2692
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:119 Resp: 291923

Ion	Ratio	Lower	Upper
119	100		
134	50.9	32.5	67.5
91	14.9	10.5	21.7

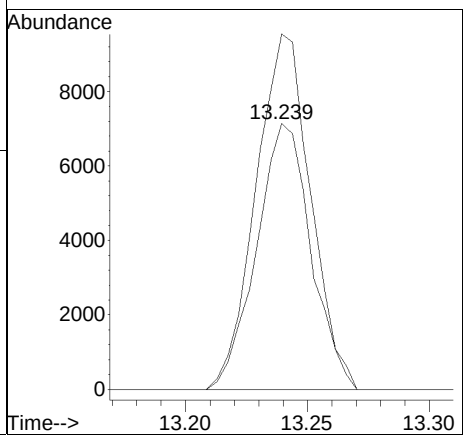


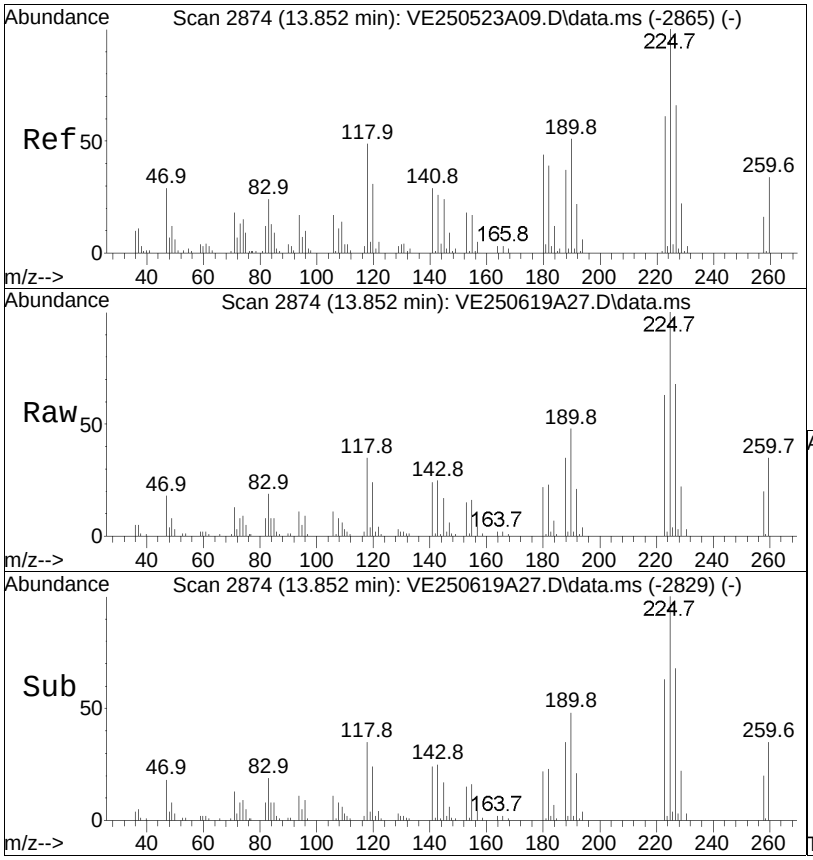


#111
1,2-Dibromo-3-chloropropane
Concen: 10.45 ug/L
RT: 13.239 min Scan# 2735
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:155 Resp: 11063

Ion	Ratio	Lower	Upper
155	100		
157	134.5	99.5	149.3

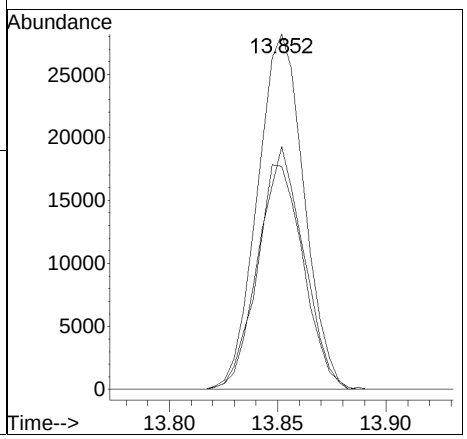


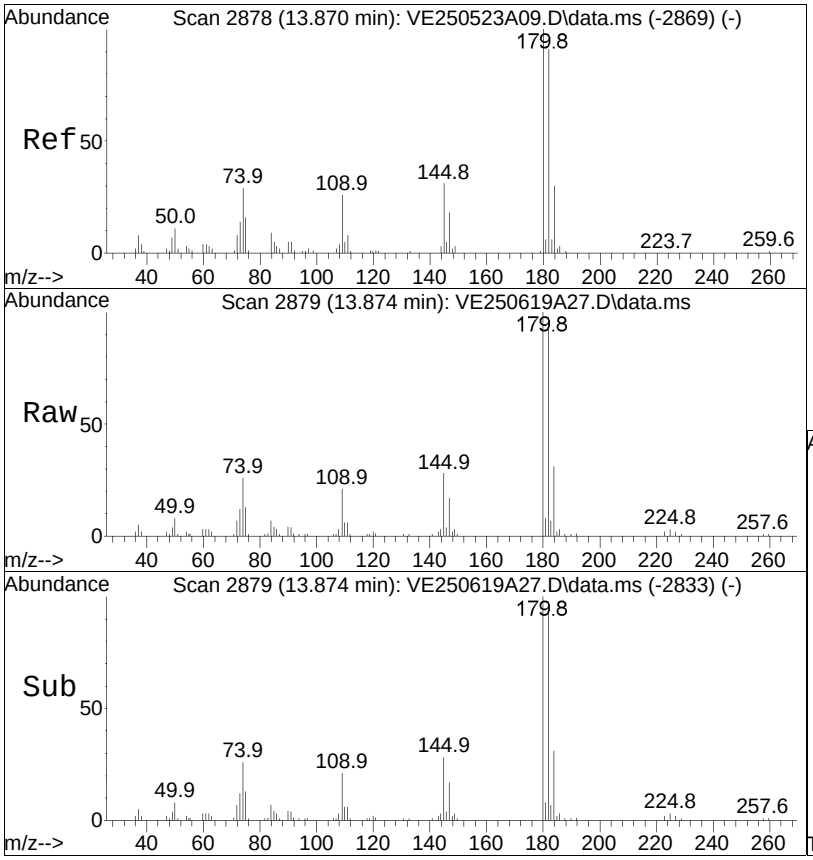


#113
Hexachlorobutadiene
Concen: 11.78 ug/L
RT: 13.852 min Scan# 2874
Delta R.T. -0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:225 Resp: 42229

Ion	Ratio	Lower	Upper
225	100		
223	63.4	51.9	77.9
227	65.7	53.0	79.6

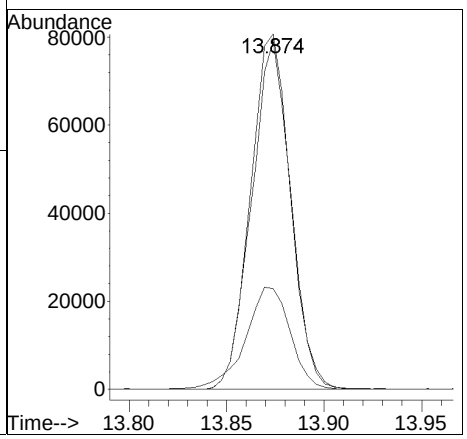


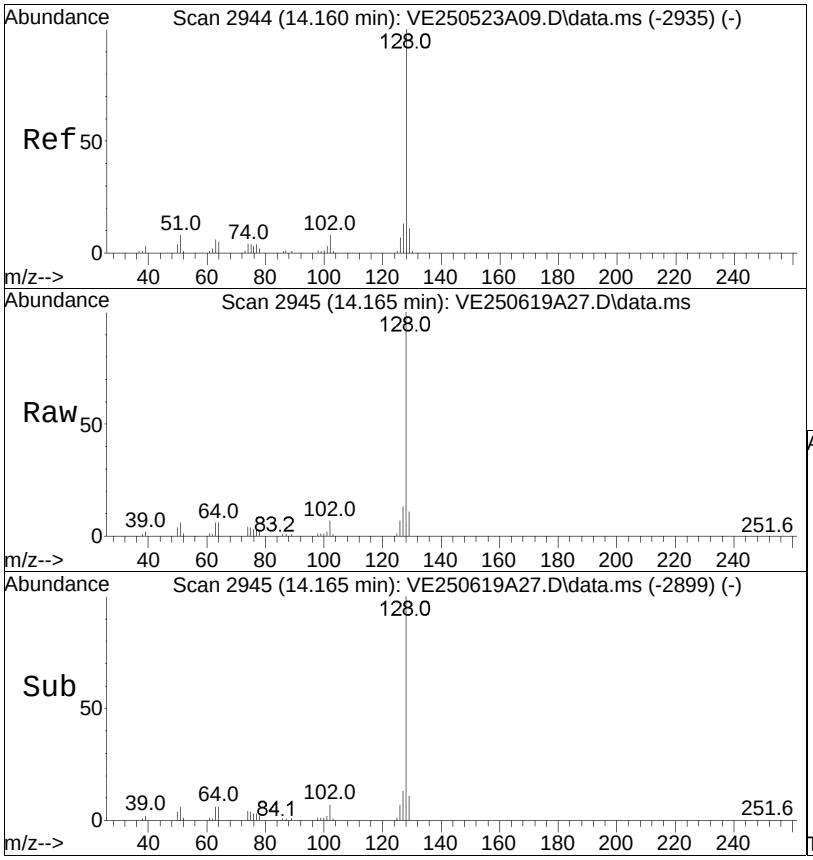


#114
1,2,4-Trichlorobenzene
Concen: 10.11 ug/L
RT: 13.874 min Scan# 2879
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:180 Resp: 114988

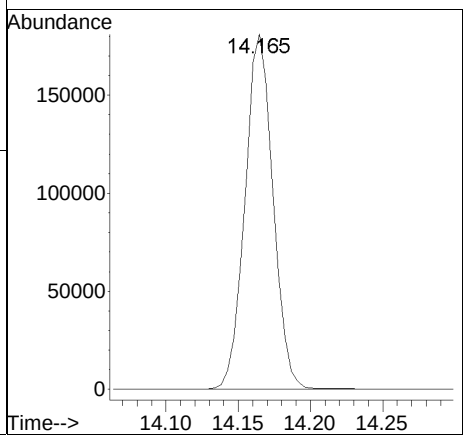
Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.3	112.9
145	32.3	26.9	40.3

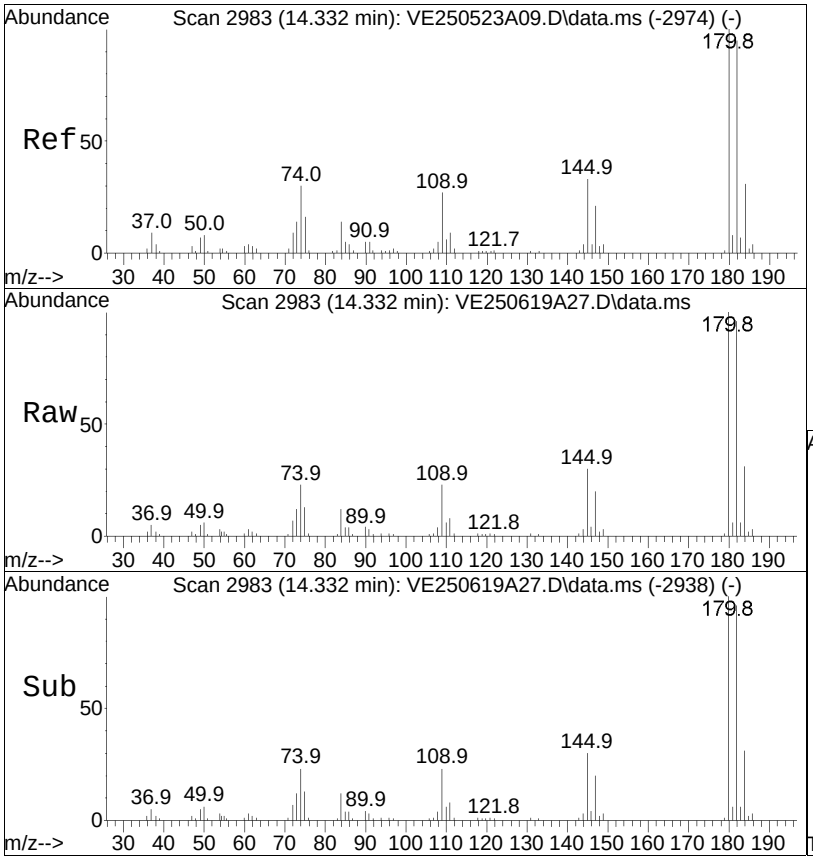




#115
Naphthalene
Concen: 9.22 ug/L
RT: 14.165 min Scan# 2945
Delta R.T. 0.004 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:128 Resp: 245008

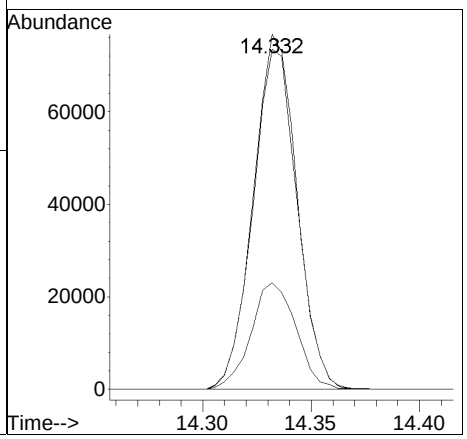




#116
1,2,3-Trichlorobenzene
Concen: 10.52 ug/L
RT: 14.332 min Scan# 2983
Delta R.T. 0.000 min
Lab File: VE250619A27.D
Acq: 19 Jun 2025 8:36 pm

Tgt Ion:180 Resp: 107254

Ion	Ratio	Lower	Upper
180	100		
182	97.1	75.8	113.6
145	31.1	25.8	38.8

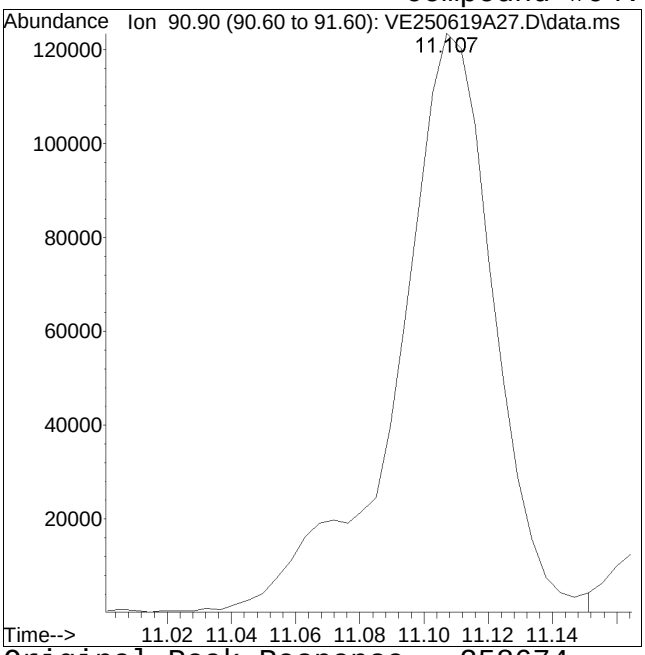


Manual Integration Report

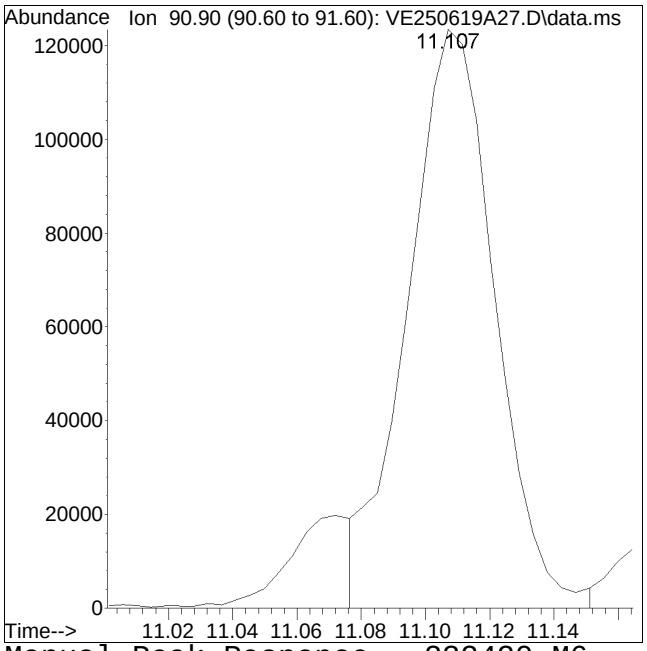
Data Path : K:\Elaine\2025\250619A\
Data File : VE250619A27.D
Date Inj'd : 6/19/2025 8:36 pm
Sample : WG2081757-7,31,10,10,,A2

QMethod : Elaine_250523A_8260.m
Operator : ELAINE:mjv
Instrument : Elaine
Quant Date : 6/21/2025 8:14 am

Compound #94: 2-Chlorotoluene



Original Peak Response = 258674



Manual Peak Response = 232420 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N23.D
Acq On : 20 Jun 2025 5:44 am
Operator : VOA101:MJV
Sample : WG2081999-7,31,10,10,,a2
Misc : WG2081999,ICAL22345
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 22 11:46:07 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	5.826	96	219274	10.000	ug/L	0.00
Standard Area 1 = 227794			Recovery = 96.26%			
59) Chlorobenzene-d5	9.337	117	167269	10.000	ug/L	0.00
Standard Area 1 = 173943			Recovery = 96.16%			
79) 1,4-Dichlorobenzene-d4	12.081	152	89763	10.000	ug/L	0.00
Standard Area 1 = 95648			Recovery = 93.85%			
System Monitoring Compounds						
36) Dibromofluoromethane	5.031	113	59628	10.079	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 100.79%			
43) 1,2-Dichloroethane-d4	5.547	65	61343	10.325	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 103.25%			
60) Toluene-d8	7.502	98	219654	10.525	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 105.25%			
83) 4-Bromofluorobenzene	10.854	95	79633	10.250	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery = 102.50%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.590	85	47400	7.920	ug/L	99
3) Chloromethane	1.768	50	66696	9.322	ug/L	99
4) Vinyl chloride	1.838	62	74231	10.109	ug/L	100
5) Bromomethane	2.134	94	38133	7.512	ug/L	97
6) Chloroethane	2.242	64	69043	12.263	ug/L	98
7) Trichlorofluoromethane	2.371	101	113283	10.711	ug/L	98
8) Ethyl ether	2.658	74	34704	9.807	ug/L	86
10) 1,1-Dichloroethene	2.836	96	59413	9.179	ug/L	93
11) Carbon disulfide	2.867	76	144693	7.561	ug/L	100
15) Methylene chloride	3.372	84	54924	9.365	ug/L	91
17) Acetone	3.427	43	9417	10.258	ug/L #	84
18) trans-1,2-Dichloroethene	3.522	96	53800	9.089	ug/L	98
20) Methyl tert-butyl ether	3.620	73	104867	7.773	ug/L	93
23) 1,1-Dichloroethane	4.086	63	103583	9.770	ug/L	99
25) Acrylonitrile	4.139	53	10135	8.979	ug/L #	76
27) Vinyl acetate	4.320	43	54256	7.231	ug/L #	94
28) cis-1,2-Dichloroethene	4.599	96	59119	9.164	ug/L	96
29) 2,2-Dichloropropane	4.694	77	45371	5.637	ug/L	90
30) Bromochloromethane	4.783	128	27271	9.400	ug/L	90
32) Chloroform	4.858	83	98318	9.846	ug/L	97

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N23.D
Acq On : 20 Jun 2025 5:44 am
Operator : VOA101:MJV
Sample : WG2081999-7,31,10,10,,a2
Misc : WG2081999,ICAL22345
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 22 11:46:07 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
34) Carbon tetrachloride	4.989	117	74090	9.268	ug/L		100
37) 1,1,1-Trichloroethane	5.050	97	83827	9.470	ug/L		98
39) 2-Butanone	5.156	43	9716	7.794	ug/L	#	72
40) 1,1-Dichloropropene	5.173	75	68300	9.386	ug/L		97
41) Benzene	5.416	78	207084	9.441	ug/L		98
44) 1,2-Dichloroethane	5.617	62	62316	9.604	ug/L		96
48) Trichloroethene	6.007	95	56661	8.990	ug/L		99
50) Dibromomethane	6.442	93	26556	8.668	ug/L		95
51) 1,2-Dichloropropane	6.540	63	56204	9.571	ug/L		97
54) Bromodichloromethane	6.618	83	65715	8.568	ug/L	#	97
57) 1,4-Dioxane	6.835	88	12261	426.291	ug/L	#	86
58) cis-1,3-Dichloropropene	7.301	75	63851	7.243	ug/L		99
61) Toluene	7.560	92	132094	9.584	ug/L		98
62) 4-Methyl-2-pentanone	7.995	58	9052	7.681	ug/L	#	84
63) Tetrachloroethene	8.006	166	55189	8.980	ug/L		97
65) trans-1,3-Dichloropropene	8.045	75	50563	7.541	ug/L		93
68) 1,1,2-Trichloroethane	8.227	83	32272	9.509	ug/L		97
69) Chlorodibromomethane	8.439	129	44507	8.211	ug/L		99
70) 1,3-Dichloropropane	8.545	76	64605	9.576	ug/L		99
71) 1,2-Dibromoethane	8.706	107	35696	8.964	ug/L		97
72) 2-Hexanone	9.005	43	5135	2.601	ug/L	#	1
73) Chlorobenzene	9.353	112	150905	9.477	ug/L		99
74) Ethylbenzene	9.395	91	249117	9.367	ug/L		97
75) 1,1,1,2-Tetrachloroethane	9.443	131	51453	8.810	ug/L		98
76) p/m Xylene	9.579	106	196258	18.300	ug/L		98
77) o Xylene	10.126	106	192345	18.284	ug/L		98
78) Styrene	10.195	104	281161	16.728	ug/L		98
80) Bromoform	10.226	173	22789	7.113	ug/L		99
82) Isopropylbenzene	10.519	105	241852	9.419	ug/L		99
84) Bromobenzene	10.968	156	59558	9.504	ug/L		98
85) n-Propylbenzene	11.013	91	277296	9.485	ug/L		98
87) 1,1,2,2-Tetrachloroethane	11.105	83	43272	9.604	ug/L		99
88) 4-Ethyltoluene	11.138	105	230397	9.368	ug/L		98
89) 2-Chlorotoluene	11.180	91	167541	9.646	ug/L		100
90) 1,3,5-Trimethylbenzene	11.238	105	191769	9.135	ug/L		99
91) 1,2,3-Trichloropropane	11.241	75	30813	8.903	ug/L		96
92) trans-1,4-Dichloro-2-b...	11.297	53	6605	6.372	ug/L		83
93) 4-Chlorotoluene	11.367	91	166487	9.476	ug/L		100
94) tert-Butylbenzene	11.581	119	162615	9.161	ug/L		99

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N23.D
Acq On : 20 Jun 2025 5:44 am
Operator : VOA101:MJV
Sample : WG2081999-7,31,10,10,,a2
Misc : WG2081999,ICAL22345
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 22 11:46:07 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA101\2025\250619A\V01250619N02.D
Sub List : 8260-NYTCL - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) 1,2,4-Trimethylbenzene	11.662	105	185119	9.144	ug/L	98
98) sec-Butylbenzene	11.777	105	231137	9.188	ug/L	98
99) p-Isopropyltoluene	11.933	119	192994	8.970	ug/L	99
100) 1,3-Dichlorobenzene	12.003	146	109094	9.461	ug/L	100
101) 1,4-Dichlorobenzene	12.095	146	109326	9.217	ug/L	99
102) p-Diethylbenzene	12.312	119	104857	8.549	ug/L	99
103) n-Butylbenzene	12.371	91	153255	8.988	ug/L	98
104) 1,2-Dichlorobenzene	12.521	146	96727	9.460	ug/L	100
105) 1,2,4,5-Tetramethylben...	13.112	119	139628	8.075	ug/L	100
106) 1,2-Dibromo-3-chloropr...	13.305	155	4304	6.802	ug/L	100
108) Hexachlorobutadiene	13.916	225	18966	7.547	ug/L	99
109) 1,2,4-Trichlorobenzene	13.943	180	44182	7.985	ug/L	97
110) Naphthalene	14.236	128	78967	7.897	ug/L	100
111) 1,2,3-Trichlorobenzene	14.404	180	34428	8.141	ug/L	98

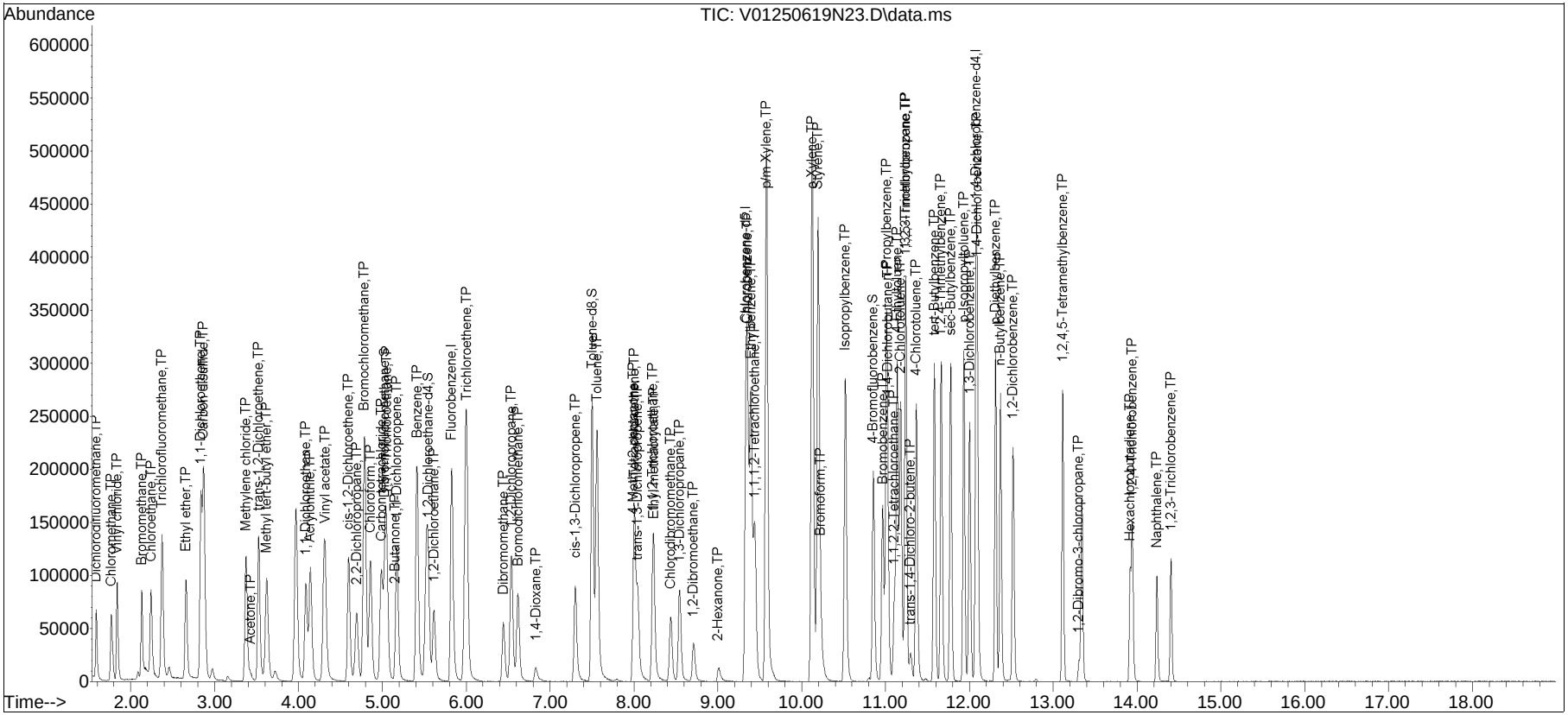
(#) = qualifier out of range (m) = manual integration (+) = signals summed

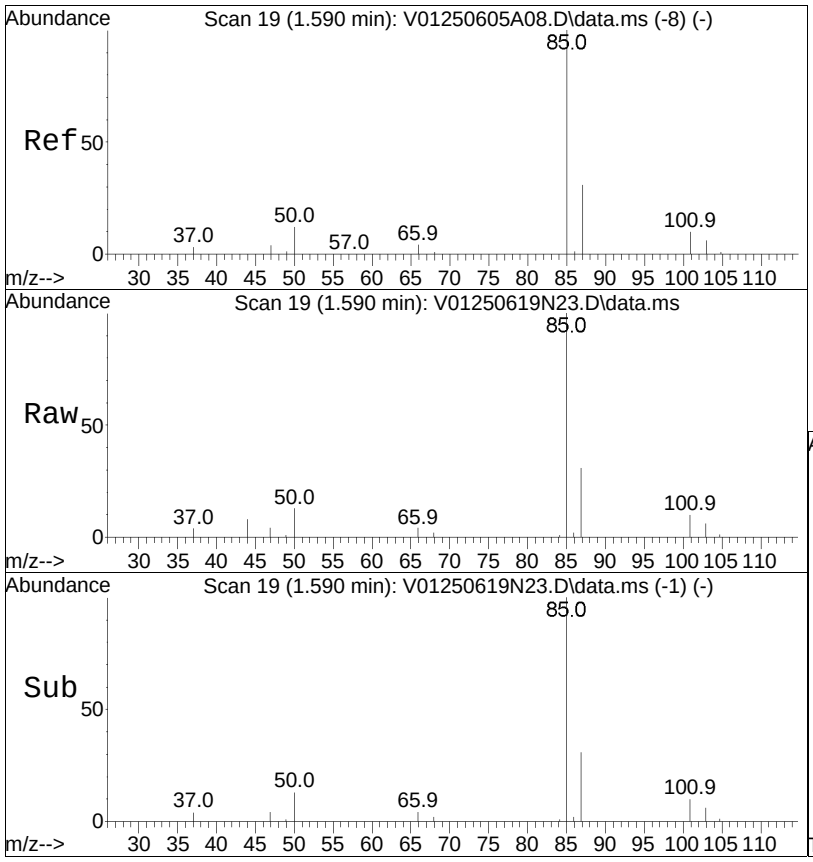
Quantitation Report (QT Reviewed)

Data Path : K:\VOA101\2025\250619A\
Data File : V01250619N23.D
Acq On : 20 Jun 2025 5:44 am
Operator : VOA101:MJV
Sample : WG2081999-7,31,10,10,,a2
Misc : WG2081999,ICAL22345
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 22 11:46:07 2025
Quant Method : K:\VOA101\2025\250619A\V101_250605A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri Jun 06 13:19:53 2025
Response via : Initial Calibration

Sub List : 8260-NYTCL - Megamix plus Diox250619N02.D•

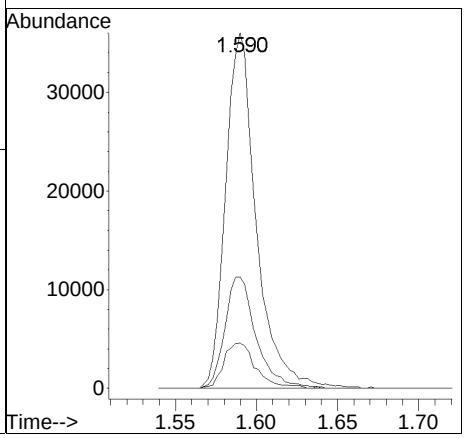


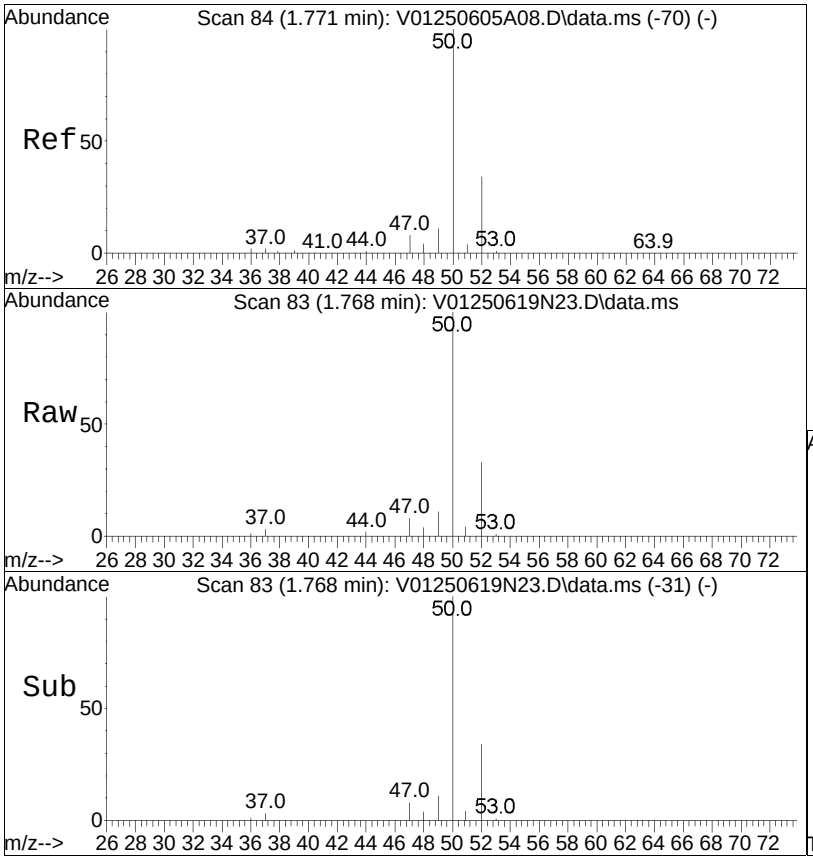


#2
Dichlorodifluoromethane
Concen: 7.92 ug/L
RT: 1.590 min Scan# 19
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 85 Resp: 47400

Ion	Ratio	Lower	Upper
85	100		
87	32.0	20.7	43.1
50	13.4	8.3	17.3

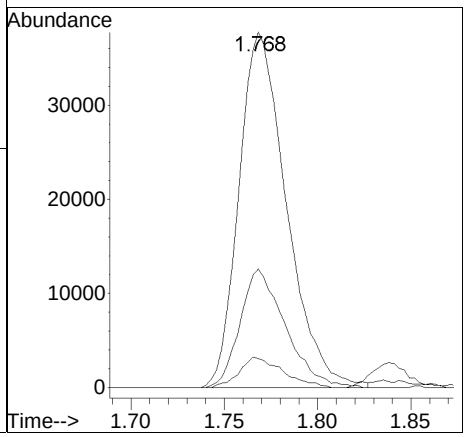


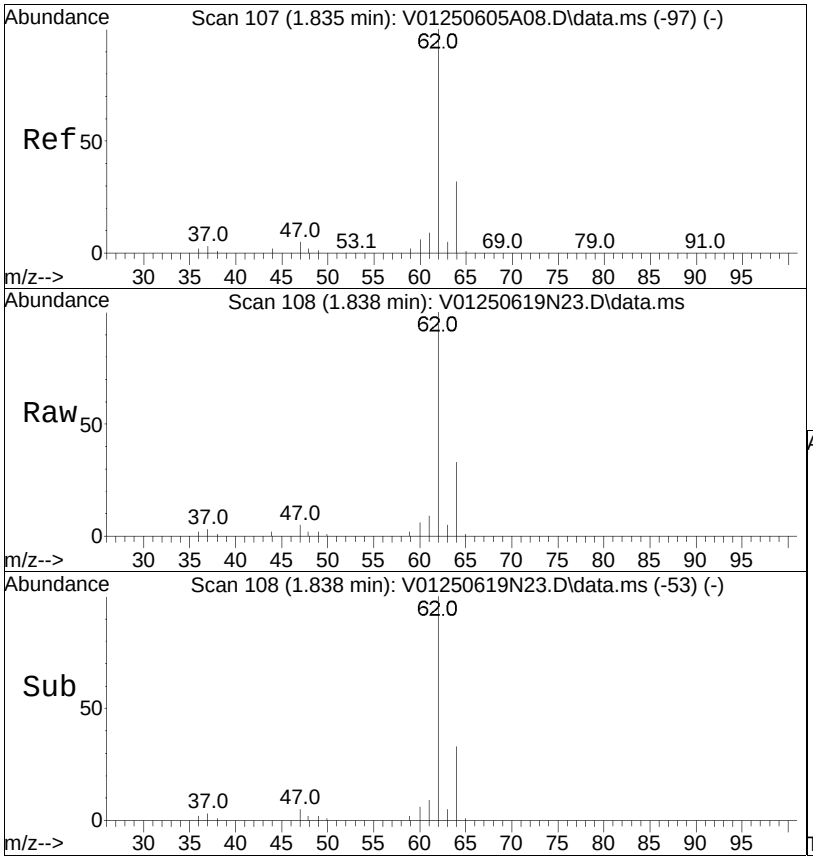


#3
Chloromethane
Concen: 9.32 ug/L
RT: 1.768 min Scan# 83
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 50 Resp: 66696

Ion	Ratio	Lower	Upper
50	100		
52	31.7	12.6	52.6
47	7.8	0.0	28.1

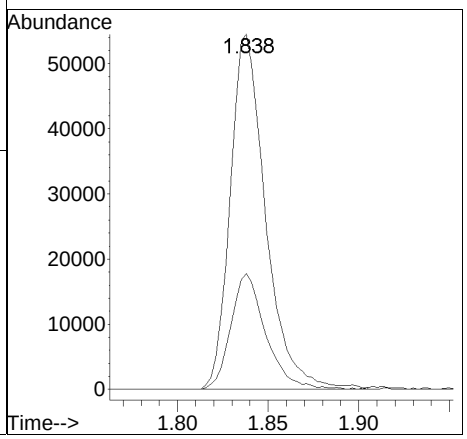


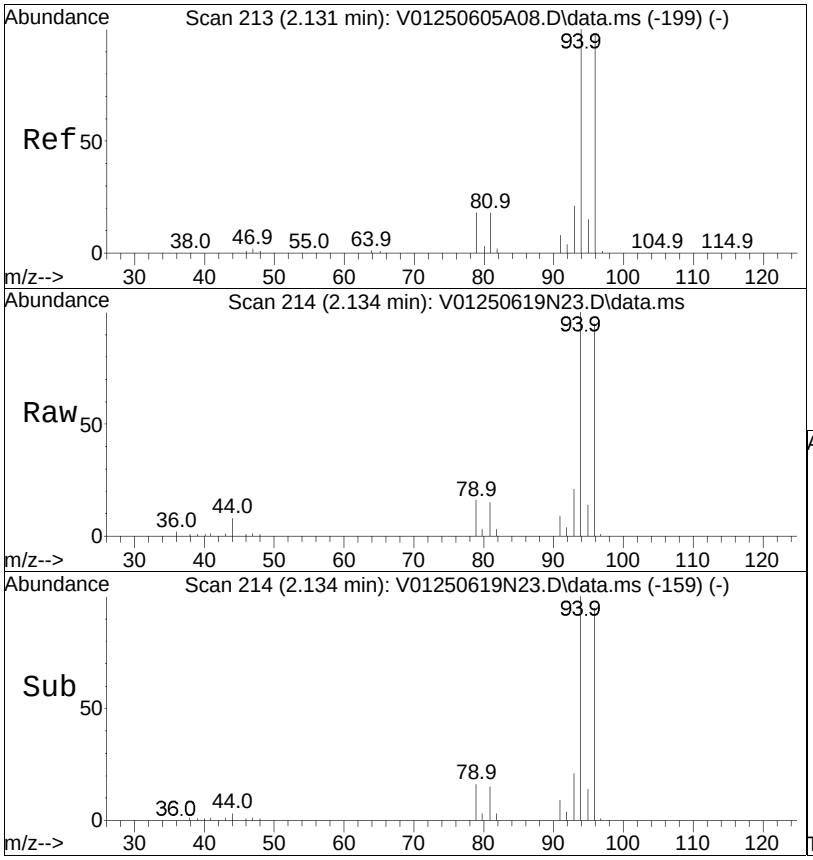


#4
Vinyl chloride
Concen: 10.11 ug/L
RT: 1.838 min Scan# 108
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 62 Resp: 74231

Ion	Ratio	Lower	Upper
62	100		
64	32.1	12.4	52.4

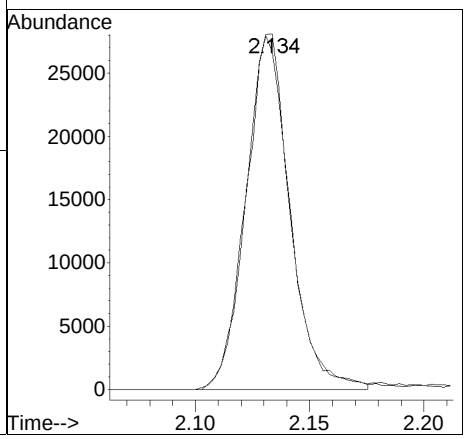


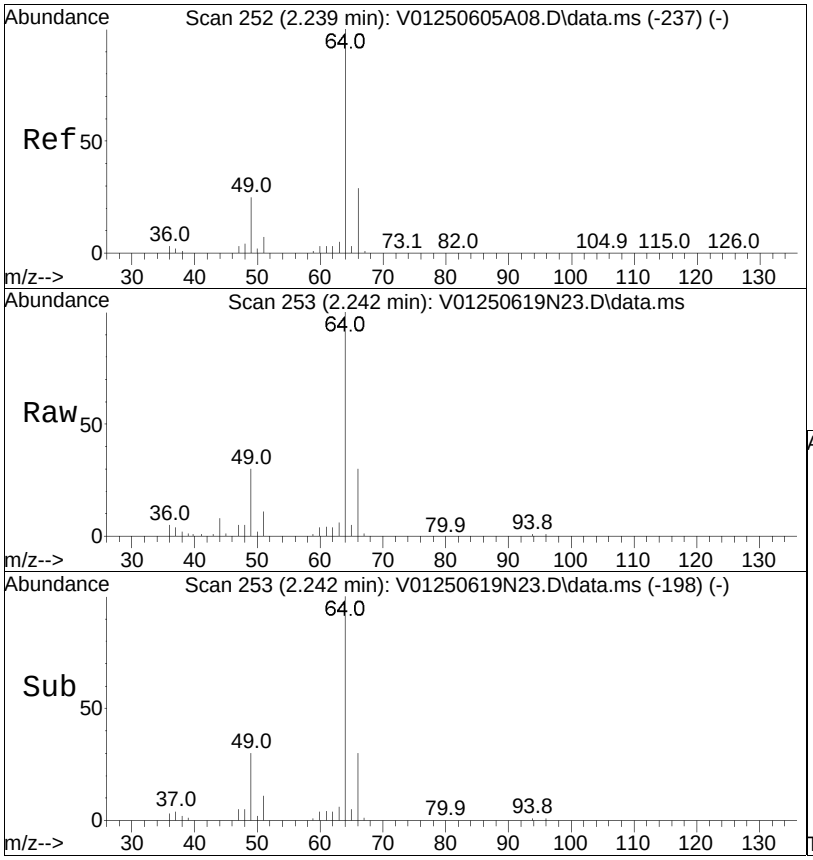


#5
Bromomethane
Concen: 7.51 ug/L
RT: 2.134 min Scan# 214
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 94 Resp: 38133

Ion	Ratio	Lower	Upper
94	100		
96	98.7	76.1	116.1

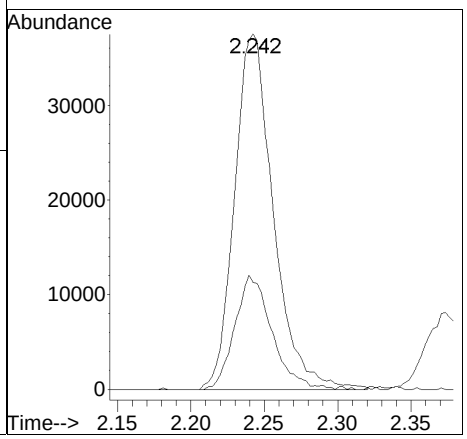


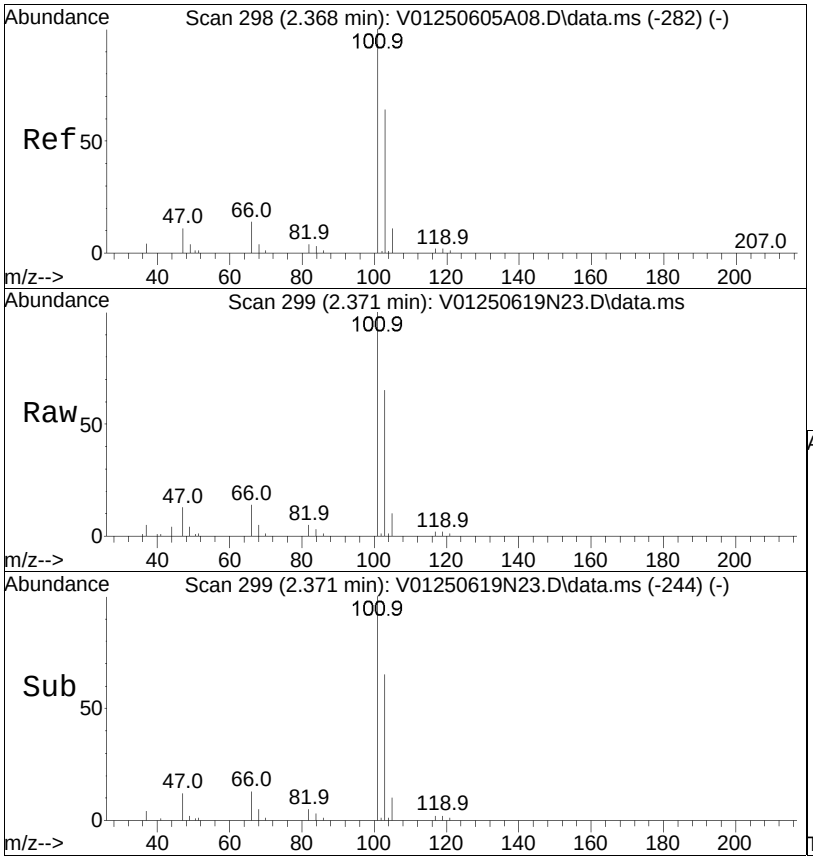


#6
Chloroethane
Concen: 12.26 ug/L
RT: 2.242 min Scan# 253
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 64 Resp: 69043

Ion	Ratio	Lower	Upper
64	100		
66	30.6	11.5	51.5

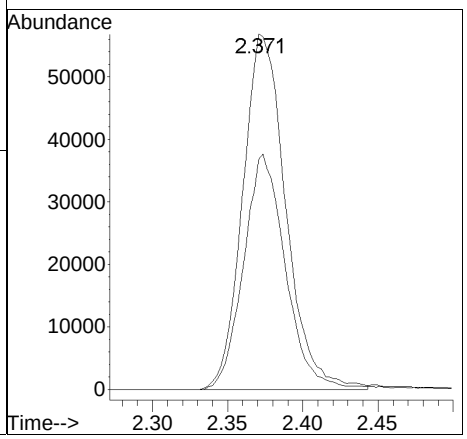


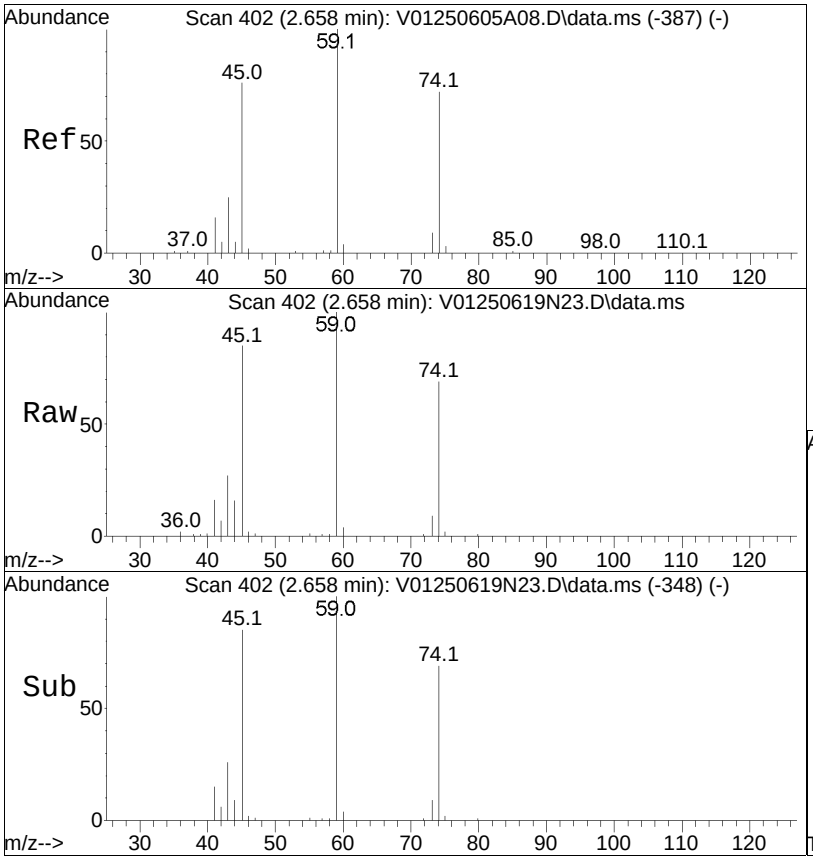


#7
Trichlorofluoromethane
Concen: 10.71 ug/L
RT: 2.371 min Scan# 299
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:101 Resp: 113283

Ion	Ratio	Lower	Upper
101	100		
103	63.9	52.2	78.2

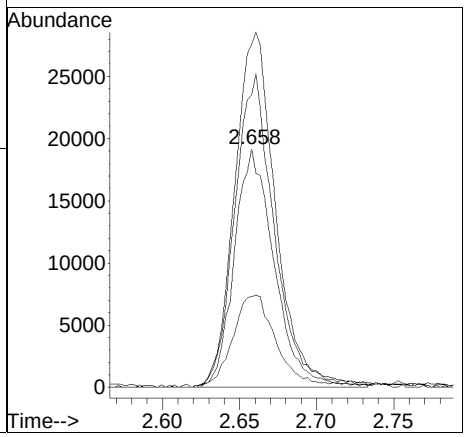


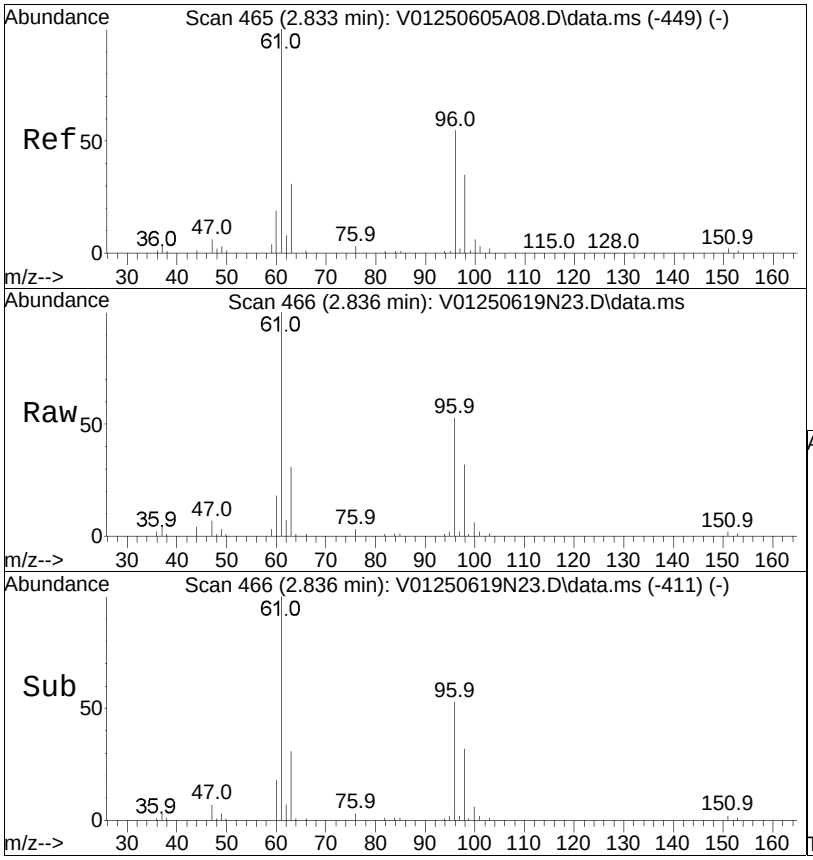


#8
Ethyl ether
Concen: 9.81 ug/L
RT: 2.658 min Scan# 402
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 74 Resp: 34704

Ion	Ratio	Lower	Upper
74	100		
59	153.1	93.0	193.2
45	129.4	69.7	144.7
43	43.1	21.6	44.8

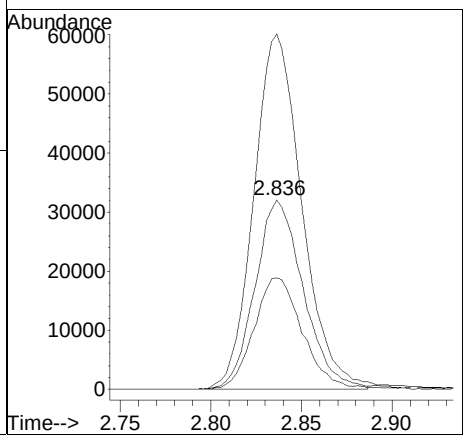


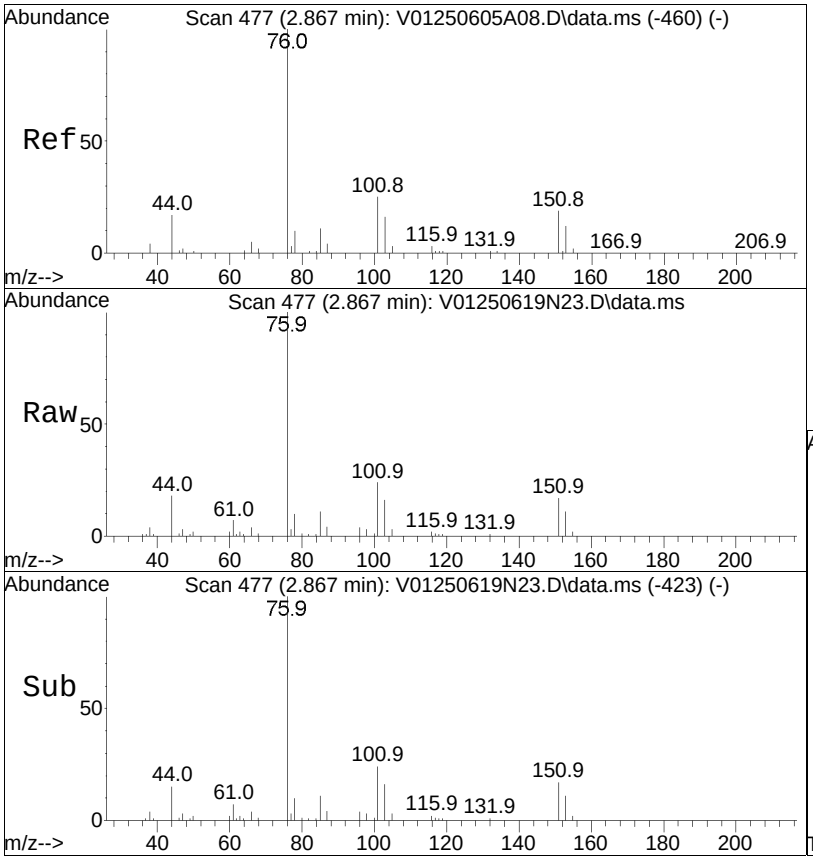


#10
1,1-Dichloroethene
Concen: 9.18 ug/L
RT: 2.836 min Scan# 466
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 96 Resp: 59413

Ion	Ratio	Lower	Upper
96	100		
61	189.3	142.6	214.0
63	59.8	45.5	68.3

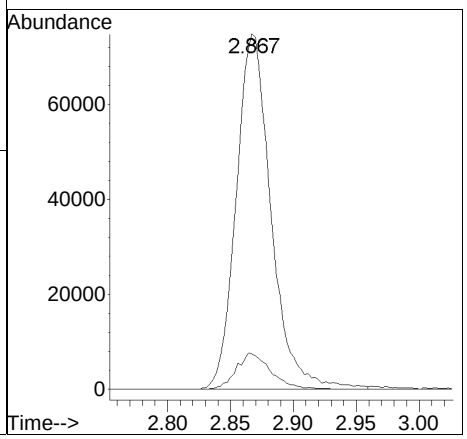


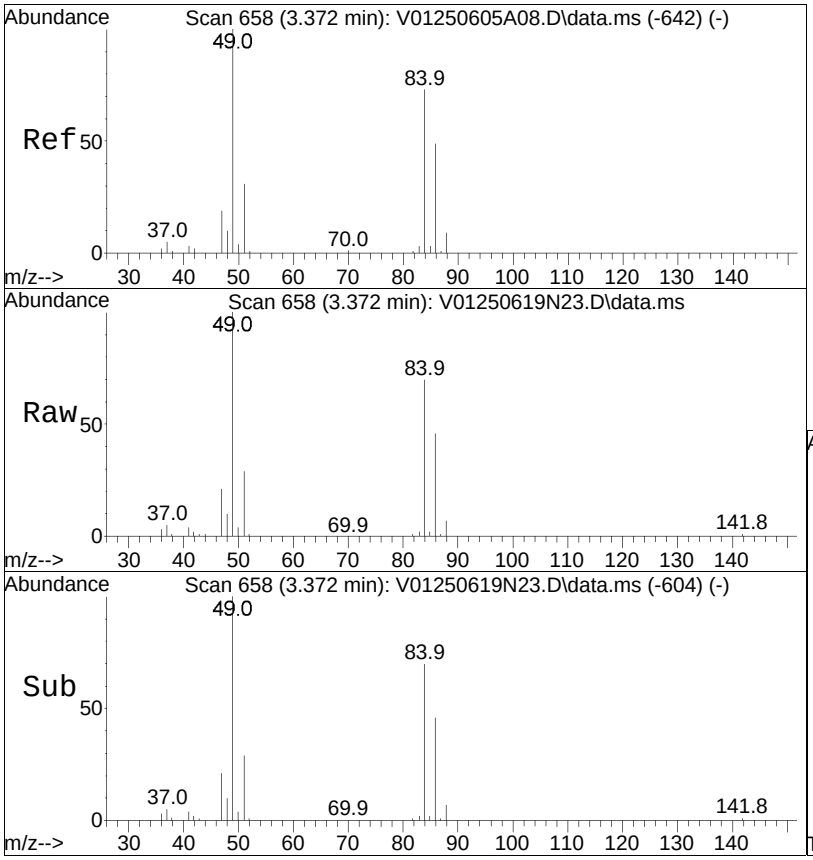


#11
Carbon disulfide
Concen: 7.56 ug/L
RT: 2.867 min Scan# 477
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 76 Resp: 144693

Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.6	13.8

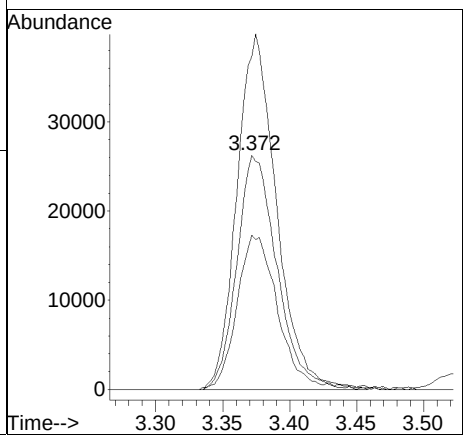


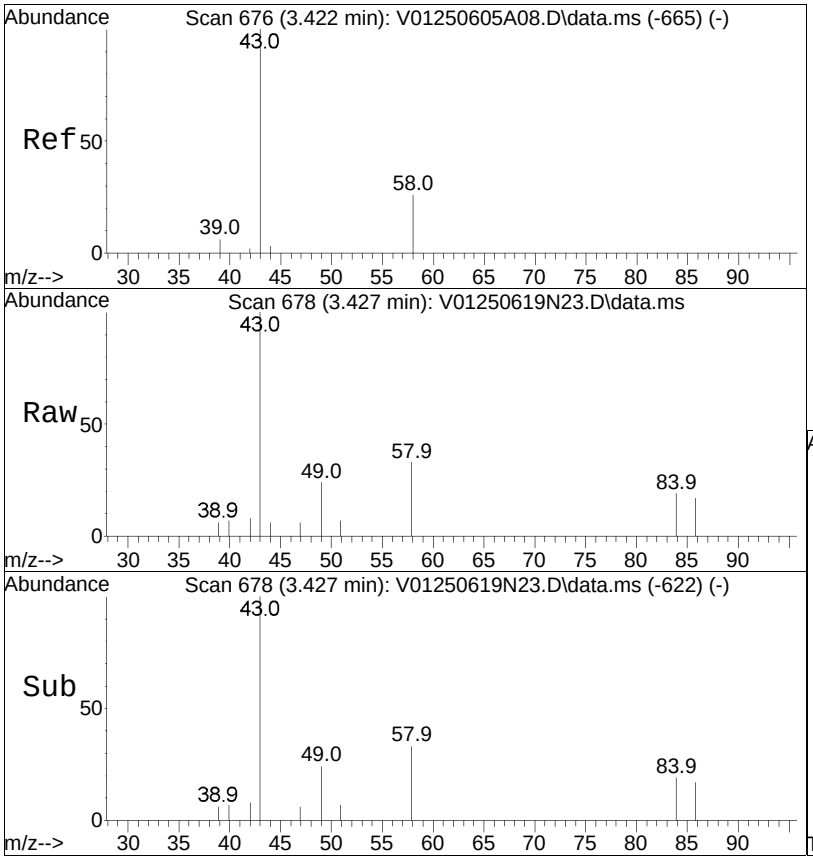


#15
Methylene chloride
Concen: 9.37 ug/L
RT: 3.372 min Scan# 658
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 84 Resp: 54924

Ion	Ratio	Lower	Upper
84	100		
86	66.5	42.3	87.8
49	149.0	87.1	180.9

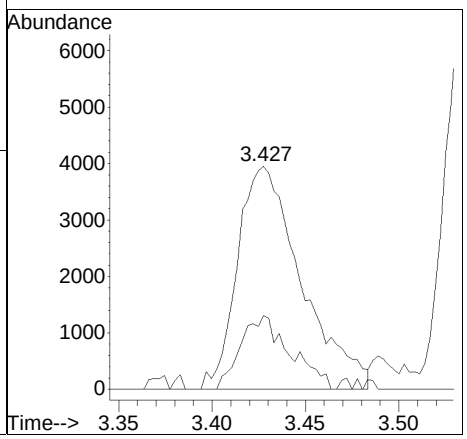


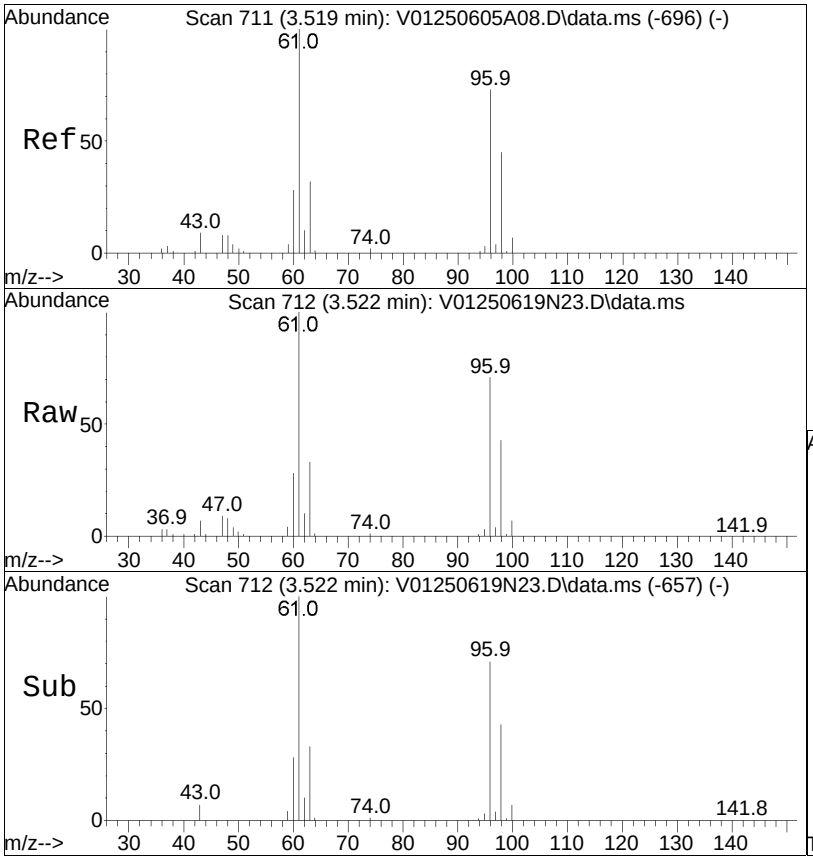


#17
Acetone
Concen: 10.26 ug/L
RT: 3.427 min Scan# 678
Delta R.T. 0.005 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 43 Resp: 9417

Ion	Ratio	Lower	Upper
43	100		
58	21.4	24.0	36.0#

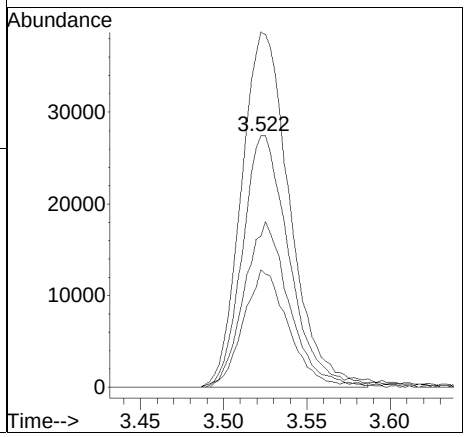


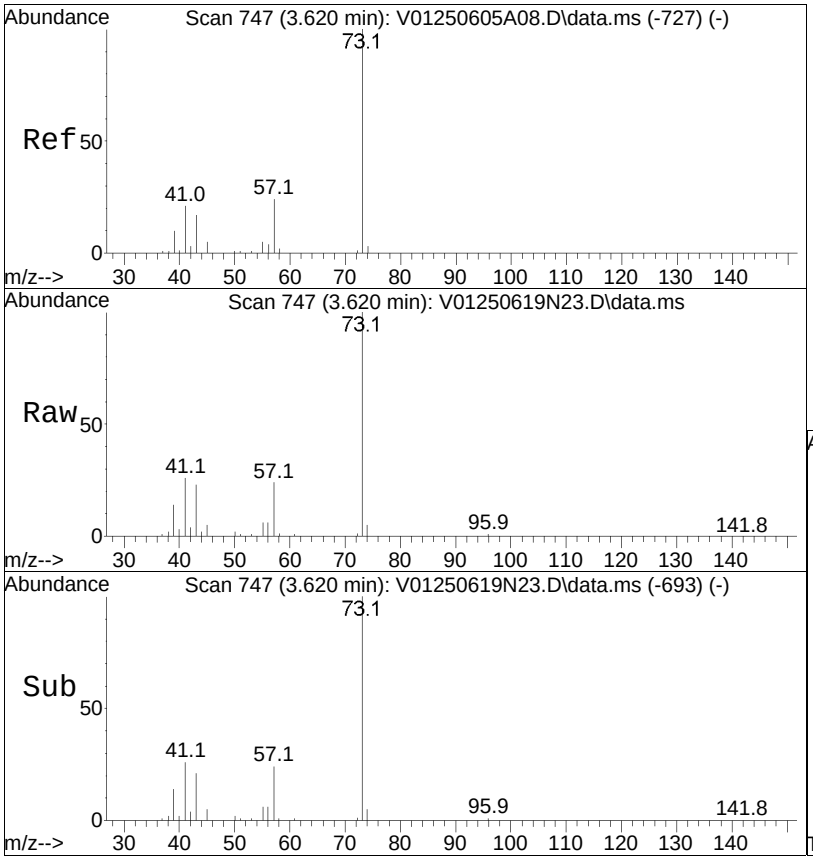


#18
trans-1,2-Dichloroethene
Concen: 9.09 ug/L
RT: 3.522 min Scan# 712
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 96 Resp: 53800

Ion	Ratio	Lower	Upper
96	100		
61	146.2	92.2	191.6
98	63.3	41.5	86.3
63	44.4	28.9	60.1

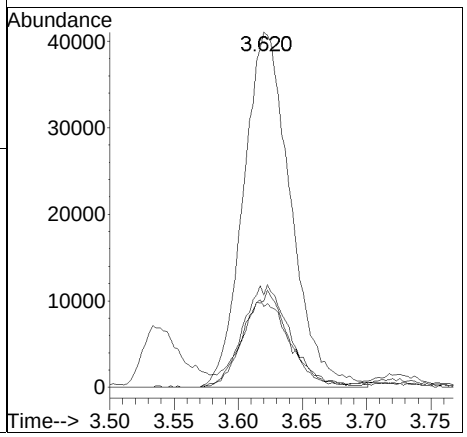


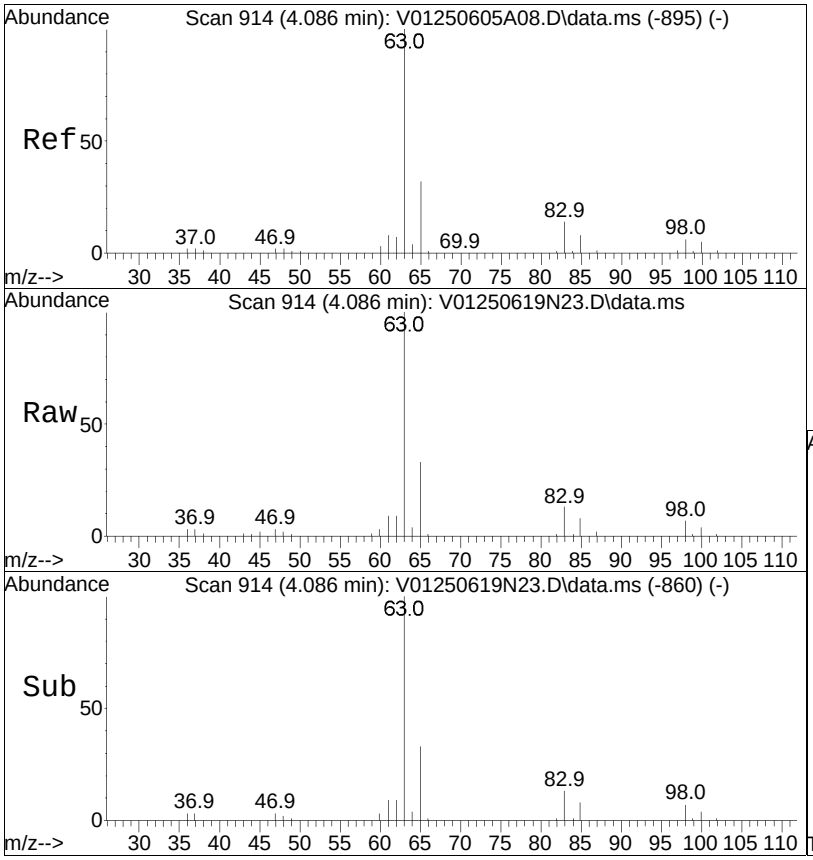


#20
Methyl tert-butyl ether
Concen: 7.77 ug/L
RT: 3.620 min Scan# 747
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 73 Resp: 104867

Ion	Ratio	Lower	Upper
73	100		
57	25.6	15.7	32.5
43	23.3	14.4	29.8
41	13.8	13.8	28.6

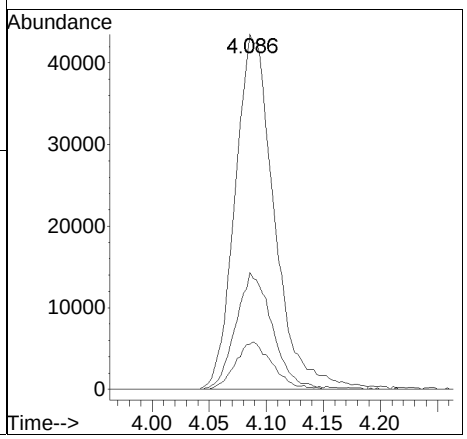


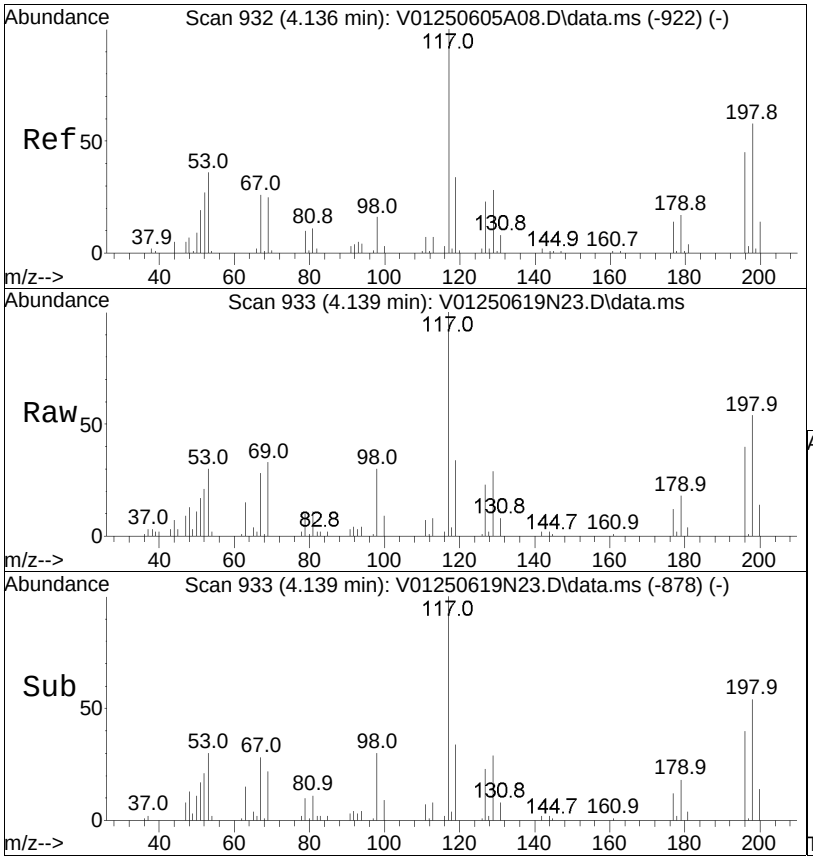


#23
1,1-Dichloroethane
Concen: 9.77 ug/L
RT: 4.086 min Scan# 914
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 63 Resp: 103583

Ion	Ratio	Lower	Upper
63	100		
65	30.8	11.6	51.6
83	12.7	0.0	33.3

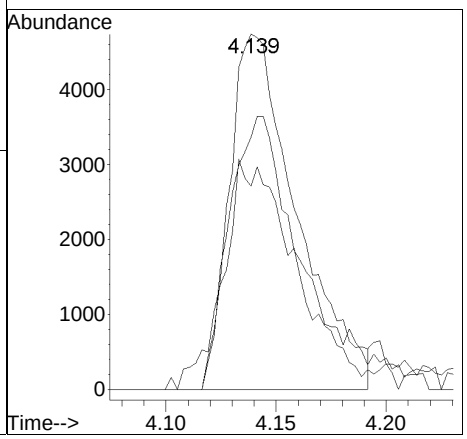


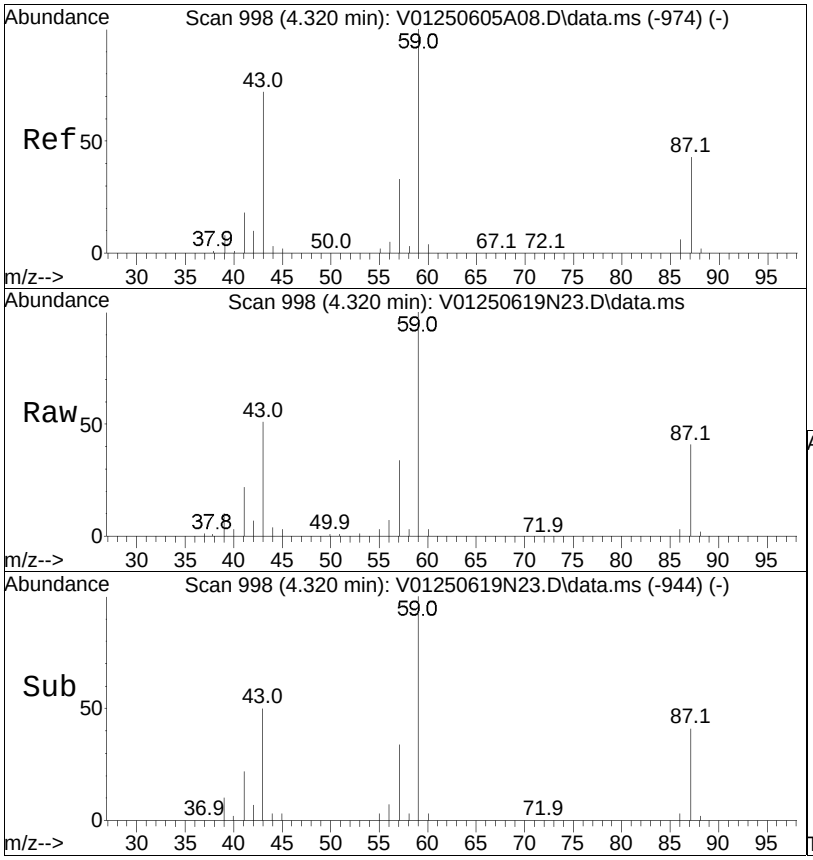


#25
Acrylonitrile
Concen: 8.98 ug/L
RT: 4.139 min Scan# 933
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 53 Resp: 10135

Ion	Ratio	Lower	Upper
53	100		
52	79.9	68.2	102.4
51	27.9	52.3	78.5#

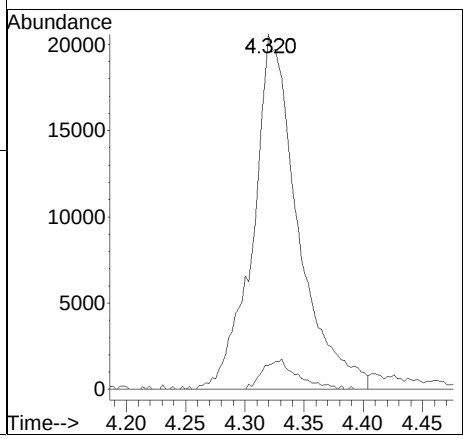


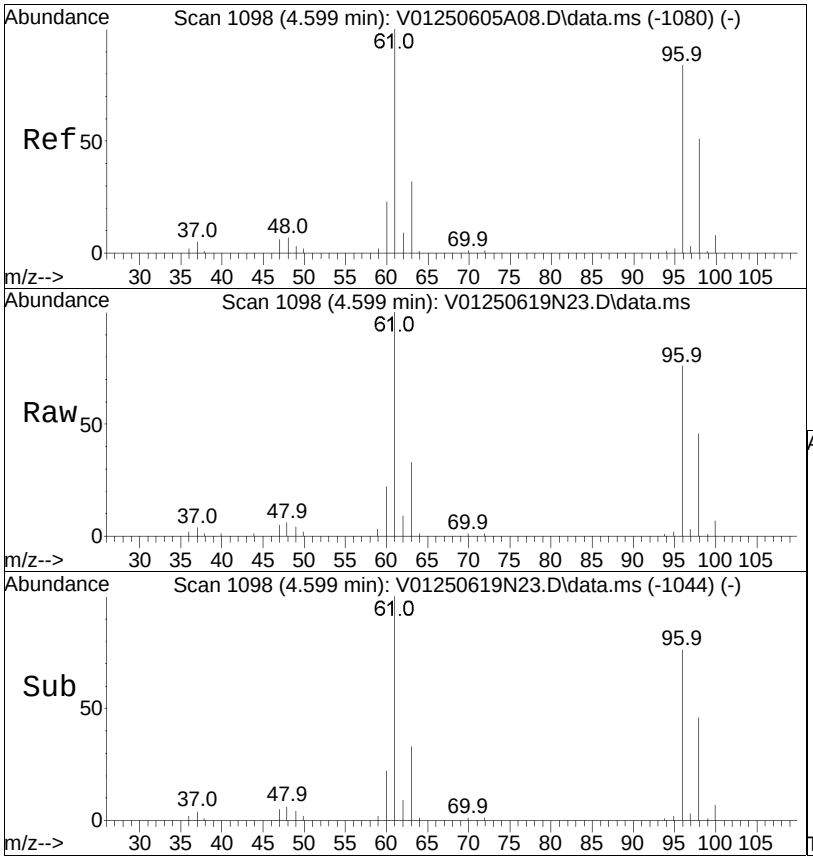


#27
Vinyl acetate
Concen: 7.23 ug/L
RT: 4.320 min Scan# 998
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 43 Resp: 54256

Ion	Ratio	Lower	Upper
43	100		
86	6.5	6.8	10.2#

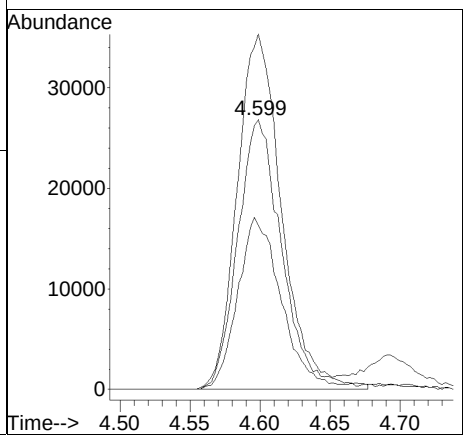


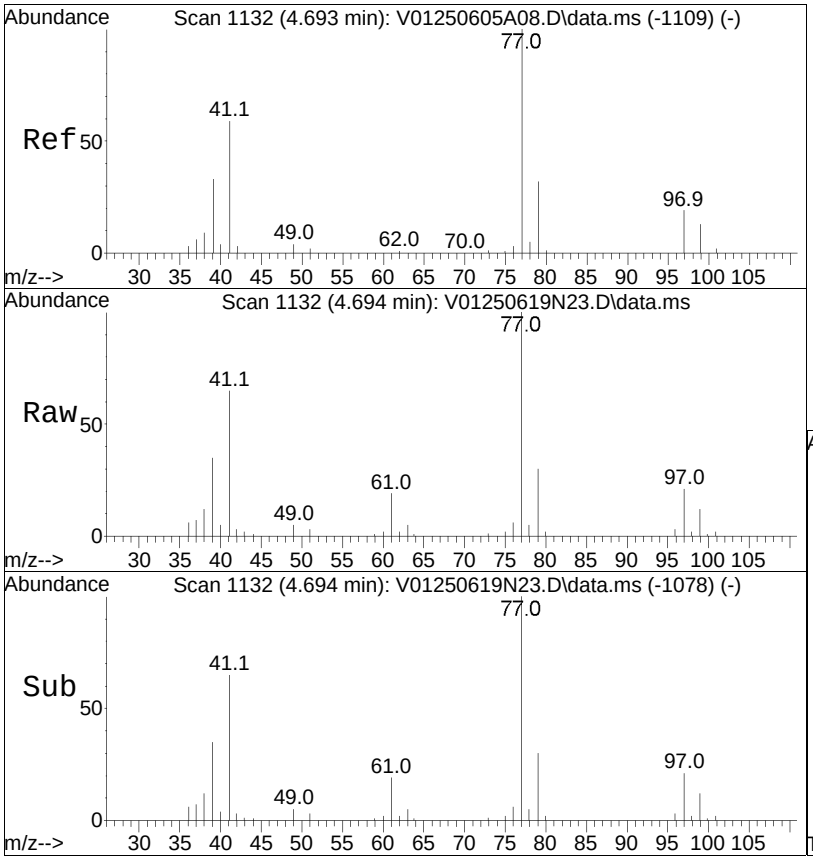


#28
cis-1,2-Dichloroethene
Concen: 9.16 ug/L
RT: 4.599 min Scan# 1098
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 96 Resp: 59119

Ion	Ratio	Lower	Upper
96	100		
61	130.4	99.3	148.9
98	62.6	50.5	75.7

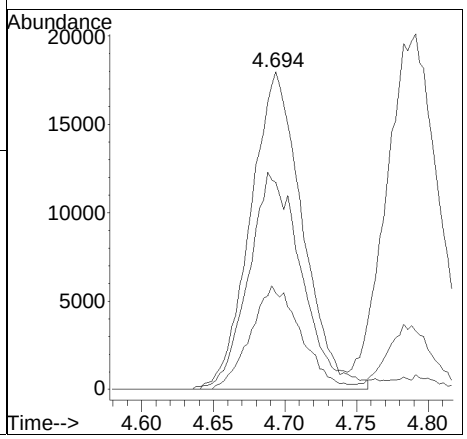


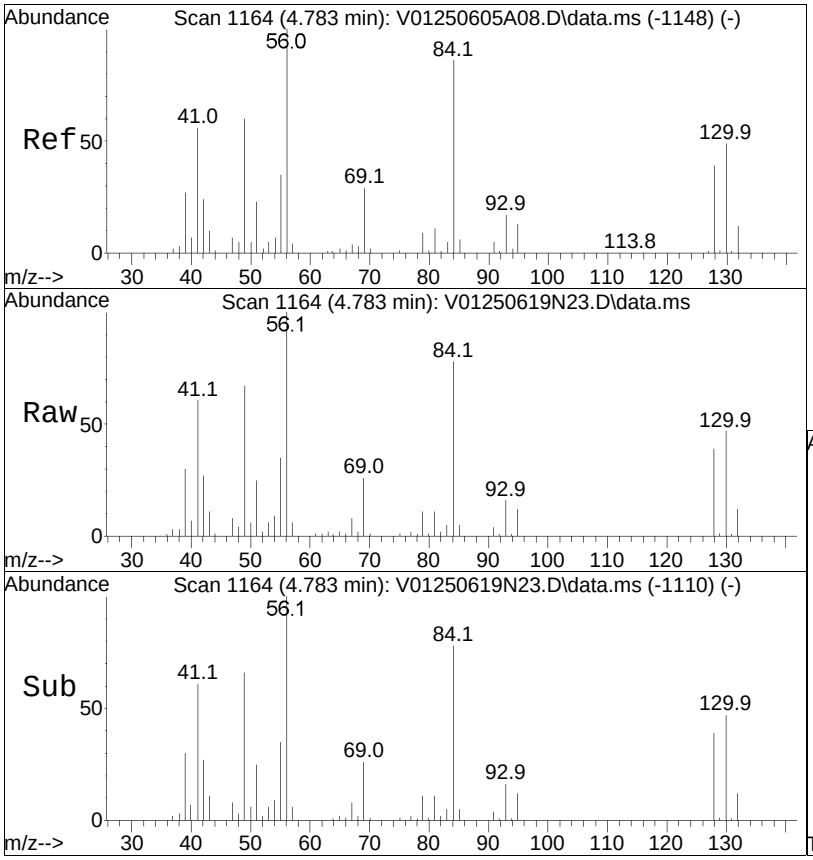


#29
2,2-Dichloropropane
Concen: 5.64 ug/L
RT: 4.694 min Scan# 1132
Delta R.T. 0.001 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 77 Resp: 45371

Ion	Ratio	Lower	Upper
77	100		
41	69.1	37.4	77.8
79	31.9	21.3	44.1

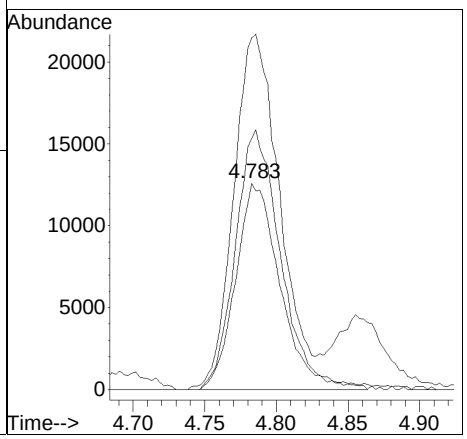


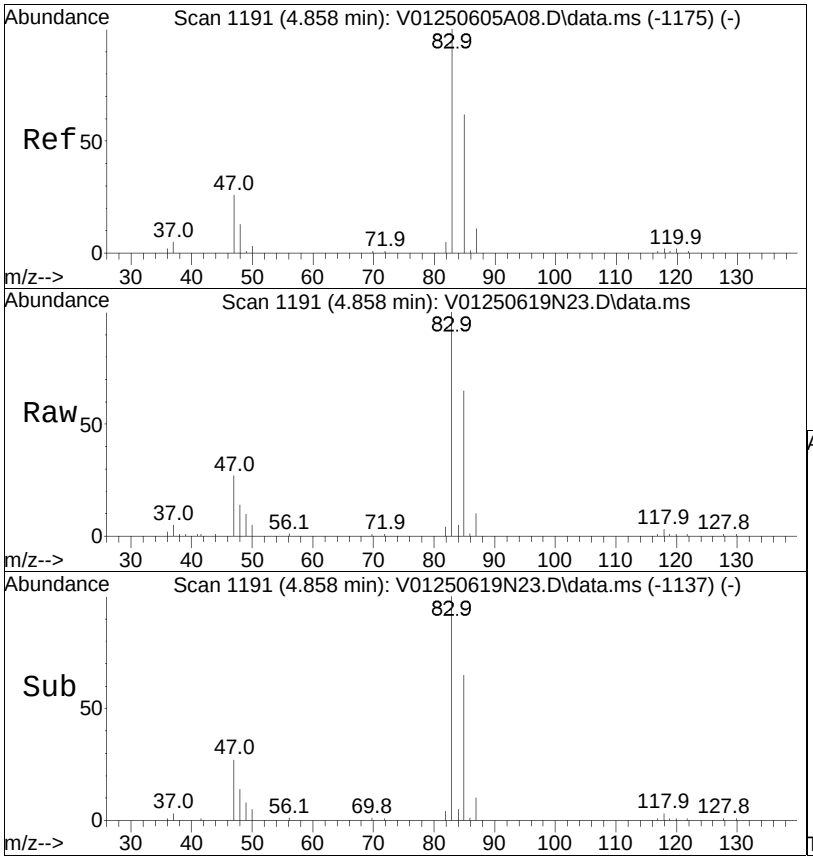


#30
Bromochloromethane
Concen: 9.40 ug/L
RT: 4.783 min Scan# 1164
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:128 Resp: 27271

Ion	Ratio	Lower	Upper
128	100		
49	176.9	125.2	187.8
130	126.3	103.0	154.6

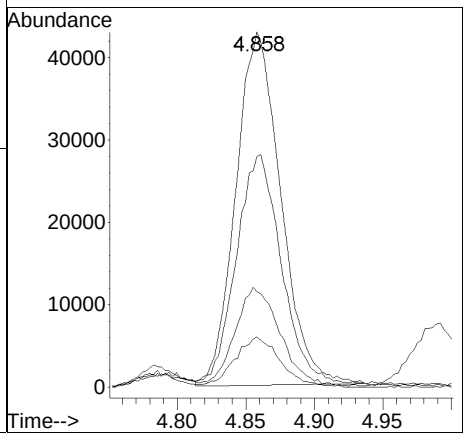


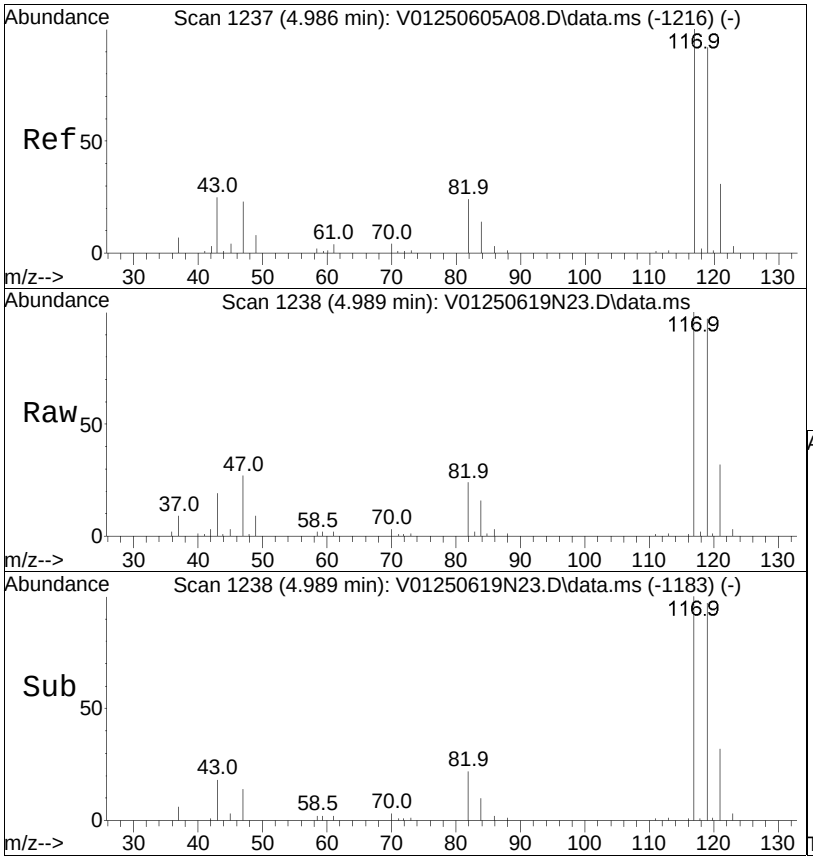


#32
Chloroform
Concen: 9.85 ug/L
RT: 4.858 min Scan# 1191
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 83 Resp: 98318

Ion	Ratio	Lower	Upper
83	100		
85	63.7	42.8	88.8
47	27.8	16.5	34.3
48	14.7	9.2	19.0

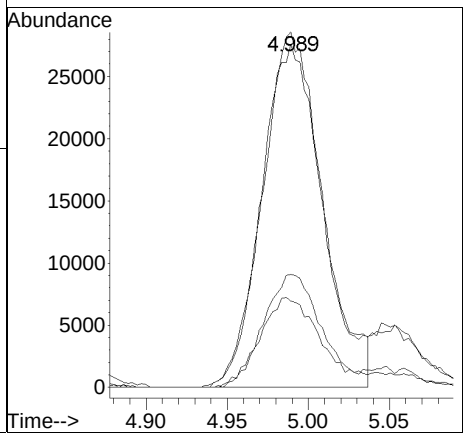


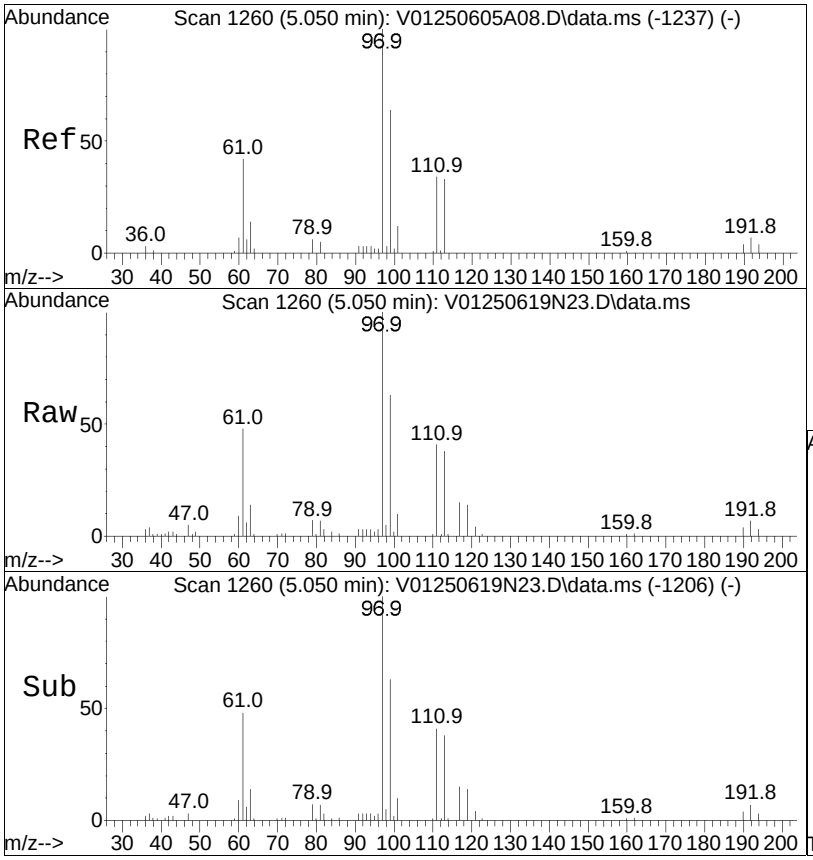


#34
Carbon tetrachloride
Concen: 9.27 ug/L
RT: 4.989 min Scan# 1238
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:117 Resp: 74090

Ion	Ratio	Lower	Upper
117	100		
119	94.6	61.4	127.6
121	30.6	20.1	41.7
82	25.5	16.1	33.3

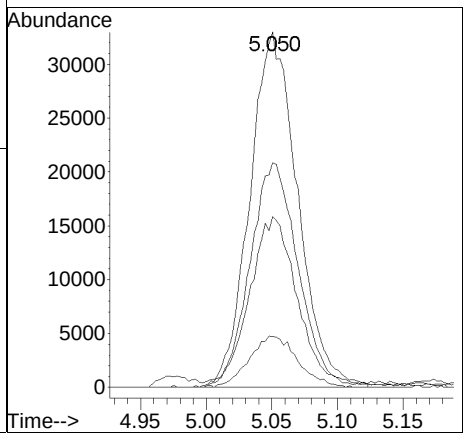


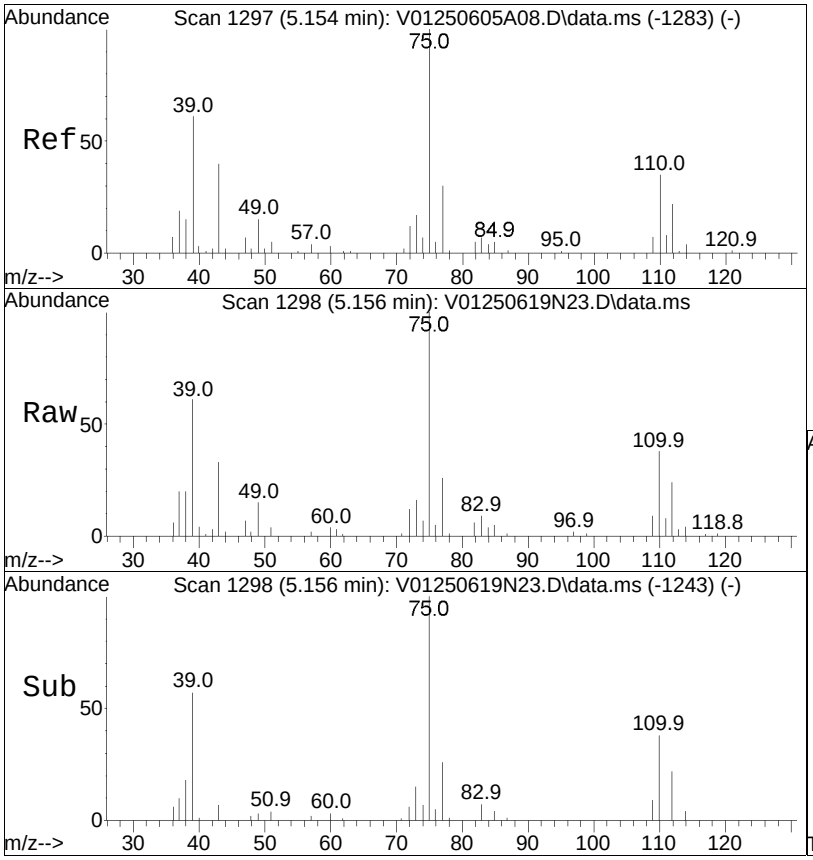


#37
1,1,1-Trichloroethane
Concen: 9.47 ug/L
RT: 5.050 min Scan# 1260
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 97 Resp: 83827

Ion	Ratio	Lower	Upper
97	100		
99	63.8	41.6	86.4
61	46.9	28.5	59.3
63	14.6	9.4	19.4

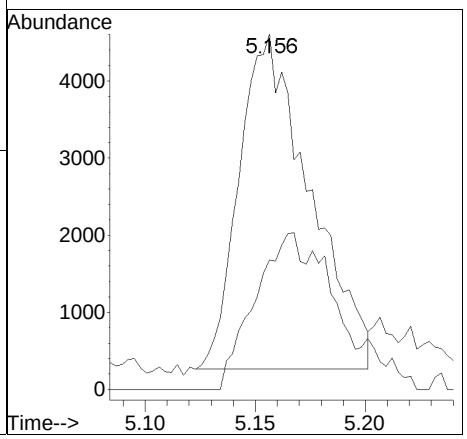


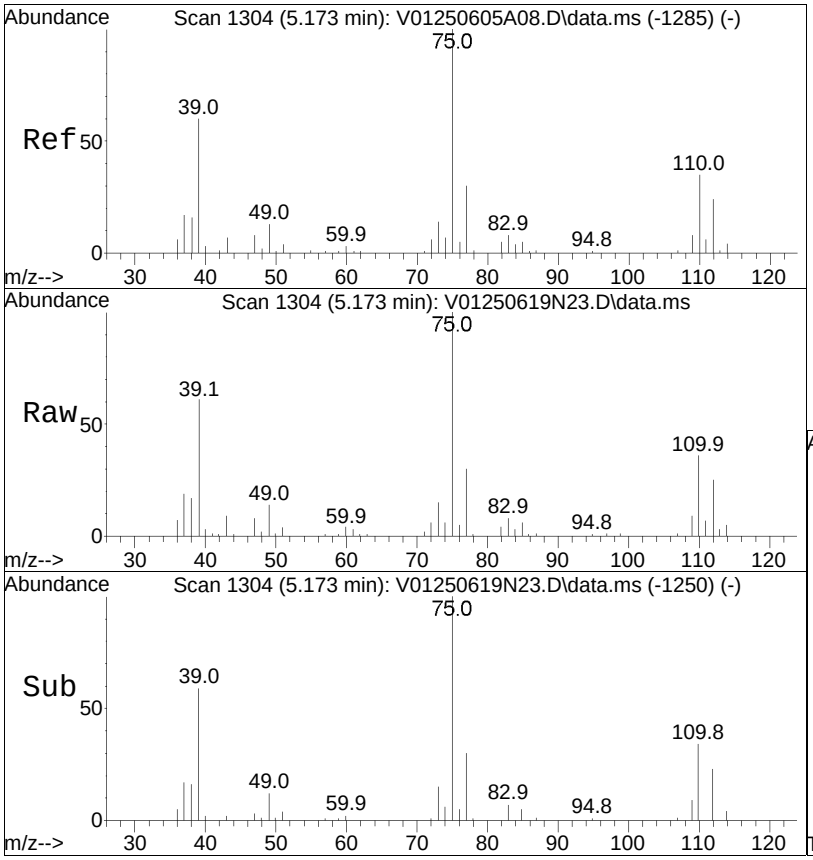


#39
2-Butanone
Concen: 7.79 ug/L
RT: 5.156 min Scan# 1298
Delta R.T. 0.002 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 43 Resp: 9716

Ion	Ratio	Lower	Upper
43	100		
72	32.4	41.4	62.2#

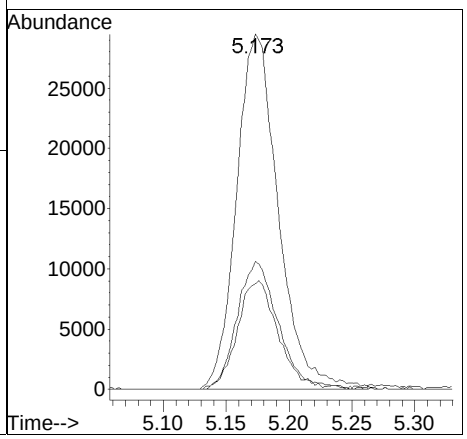


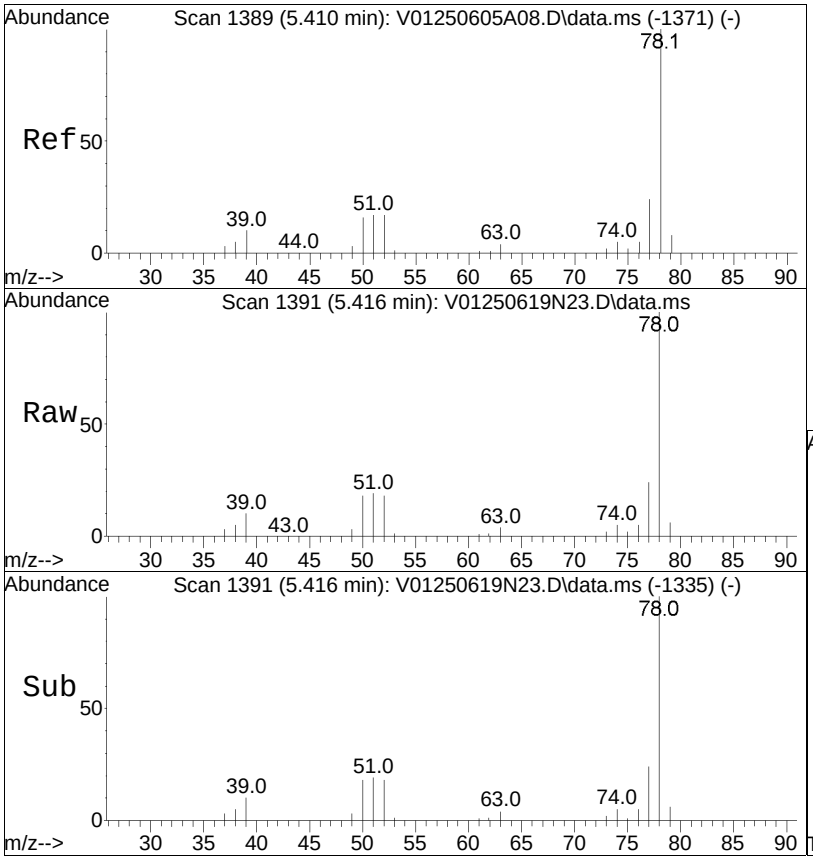


#40
1,1-Dichloropropene
Concen: 9.39 ug/L
RT: 5.173 min Scan# 1304
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 75 Resp: 68300

Ion	Ratio	Lower	Upper
75	100		
110	34.7	23.9	49.5
77	29.8	20.1	41.7

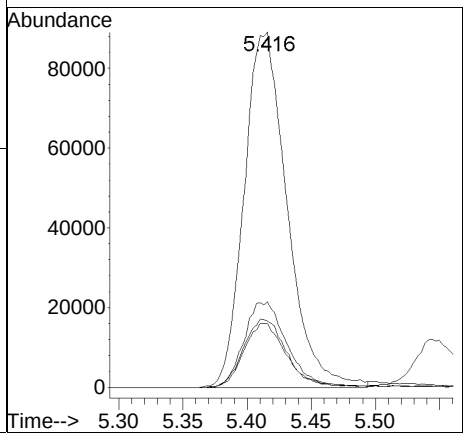


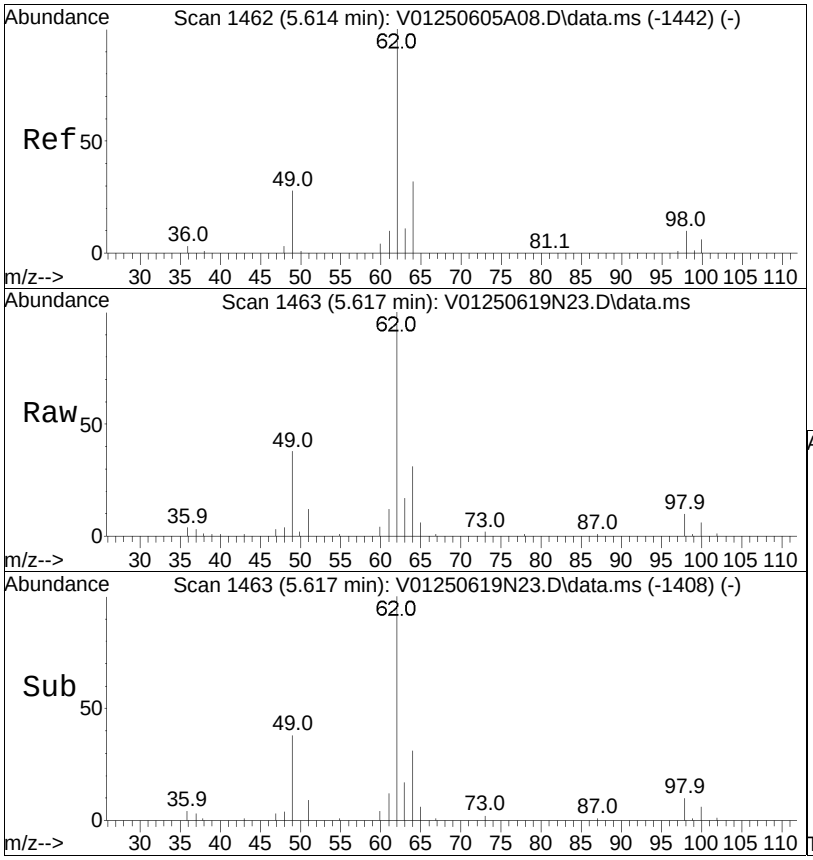


#41
Benzene
Concen: 9.44 ug/L
RT: 5.416 min Scan# 1391
Delta R.T. 0.006 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 78 Resp: 207084

Ion	Ratio	Lower	Upper
78	100		
77	24.4	15.6	32.4
51	19.2	11.7	24.3
52	17.7	10.9	22.5

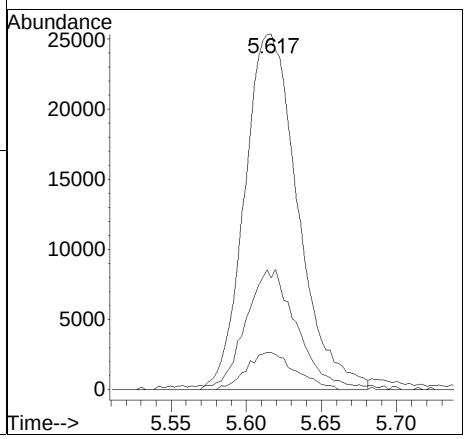


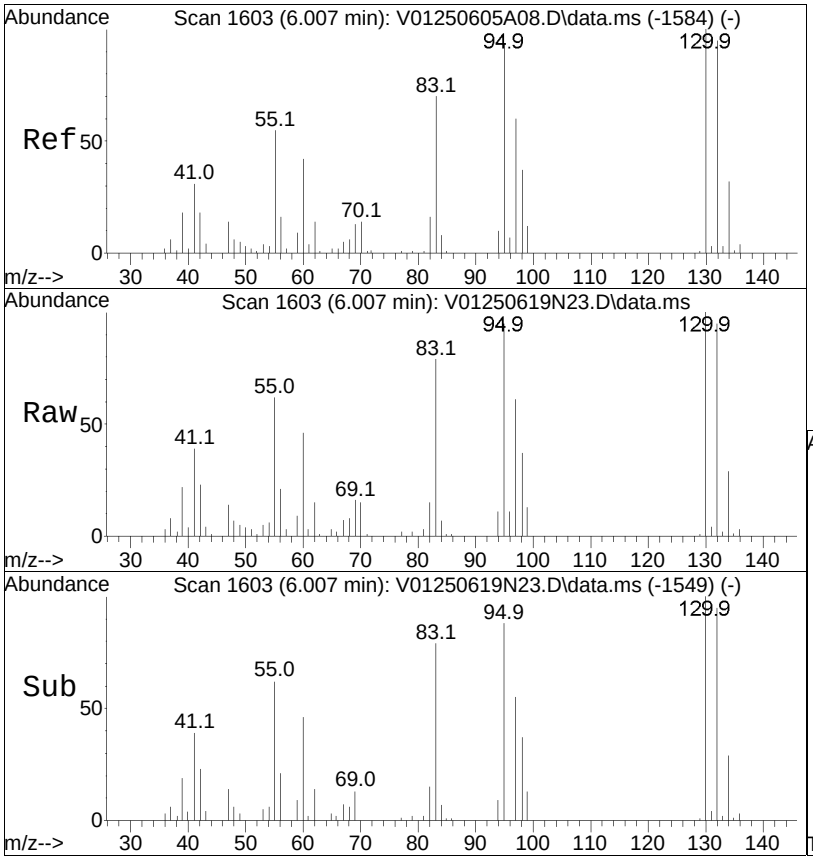


#44
1,2-Dichloroethane
Concen: 9.60 ug/L
RT: 5.617 min Scan# 1463
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 62 Resp: 62316

Ion	Ratio	Lower	Upper
62	100		
64	32.9	10.1	50.1
98	9.6	0.0	29.7

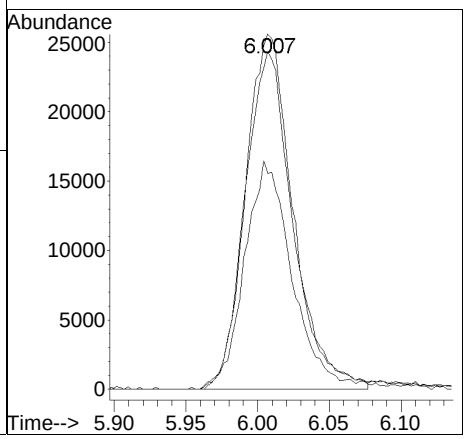


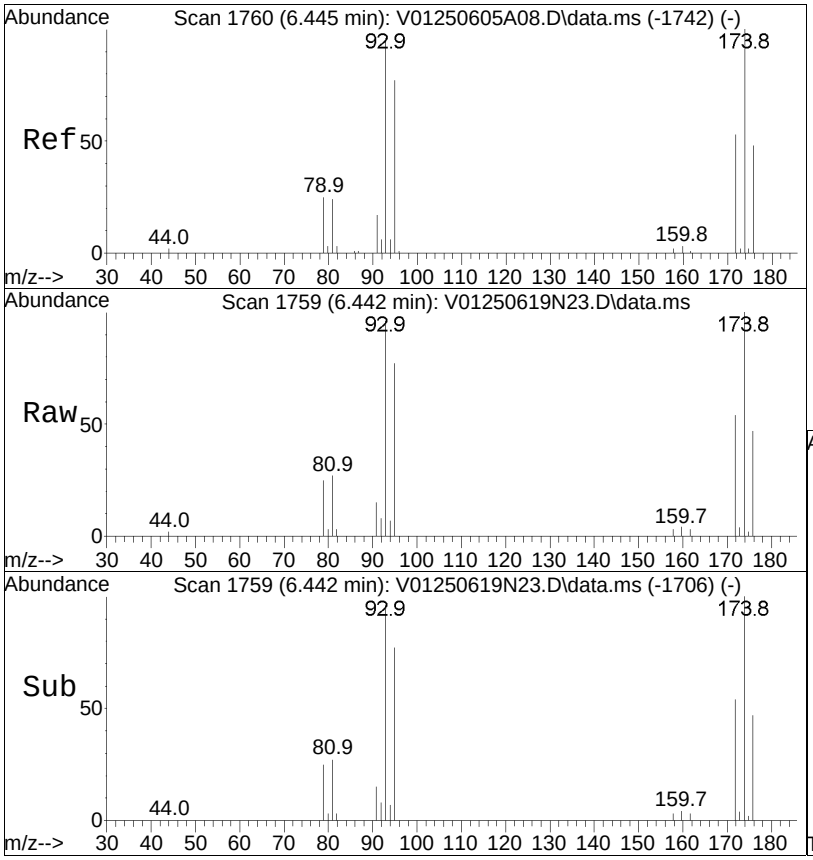


#48
Trichloroethene
Concen: 8.99 ug/L
RT: 6.007 min Scan# 1603
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 95 Resp: 56661

Ion	Ratio	Lower	Upper
95	100		
97	66.7	54.0	81.0
130	104.5	85.0	127.6

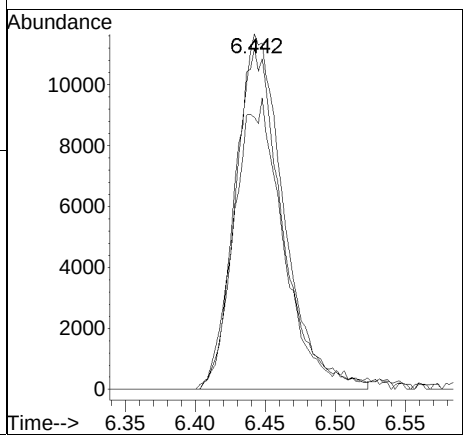


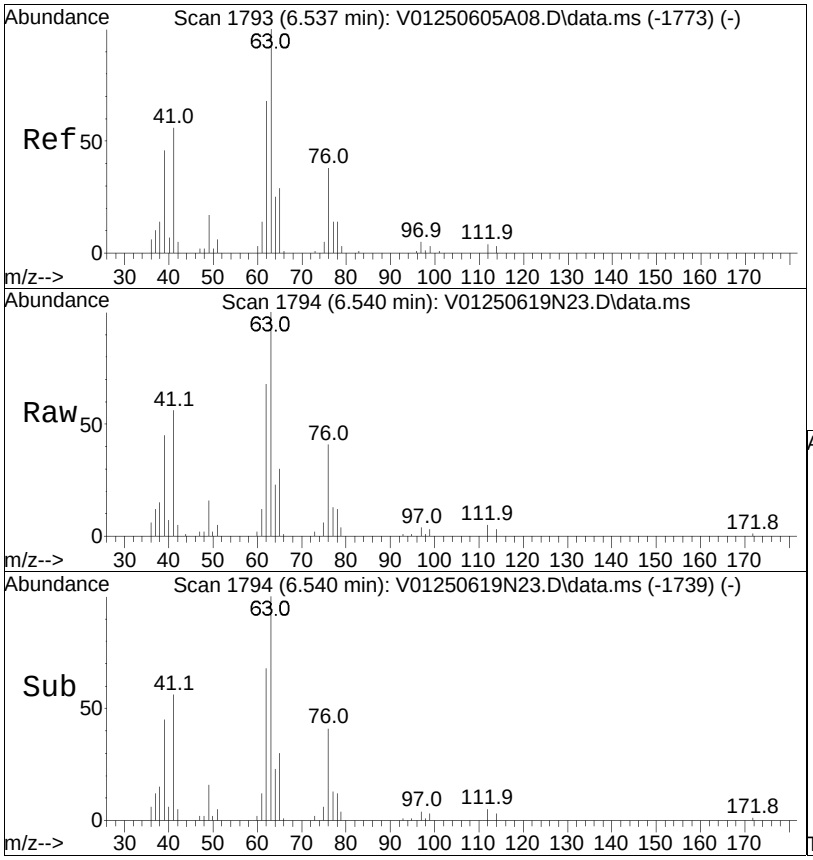


#50
Dibromomethane
Concen: 8.67 ug/L
RT: 6.442 min Scan# 1759
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 93 Resp: 26556

Ion	Ratio	Lower	Upper
93	100		
95	85.9	68.2	102.2
174	104.4	90.3	135.5

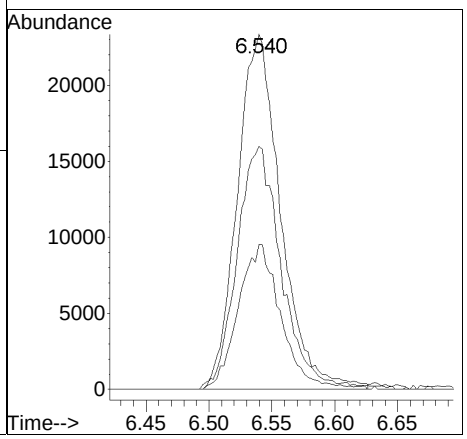


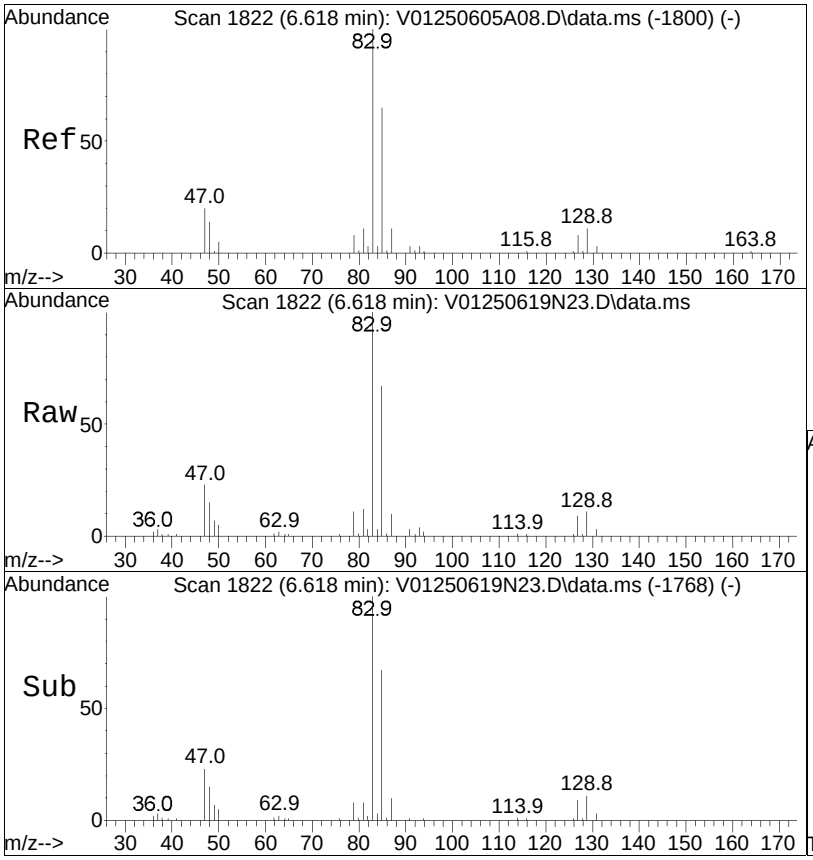


#51
1,2-Dichloropropane
Concen: 9.57 ug/L
RT: 6.540 min Scan# 1794
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 63 Resp: 56204

Ion	Ratio	Lower	Upper
63	100		
62	68.8	57.2	85.8
76	39.9	32.7	49.1

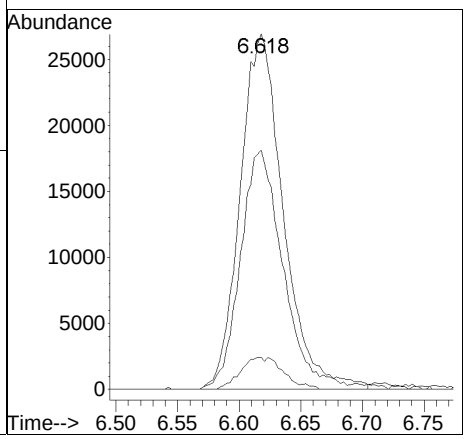


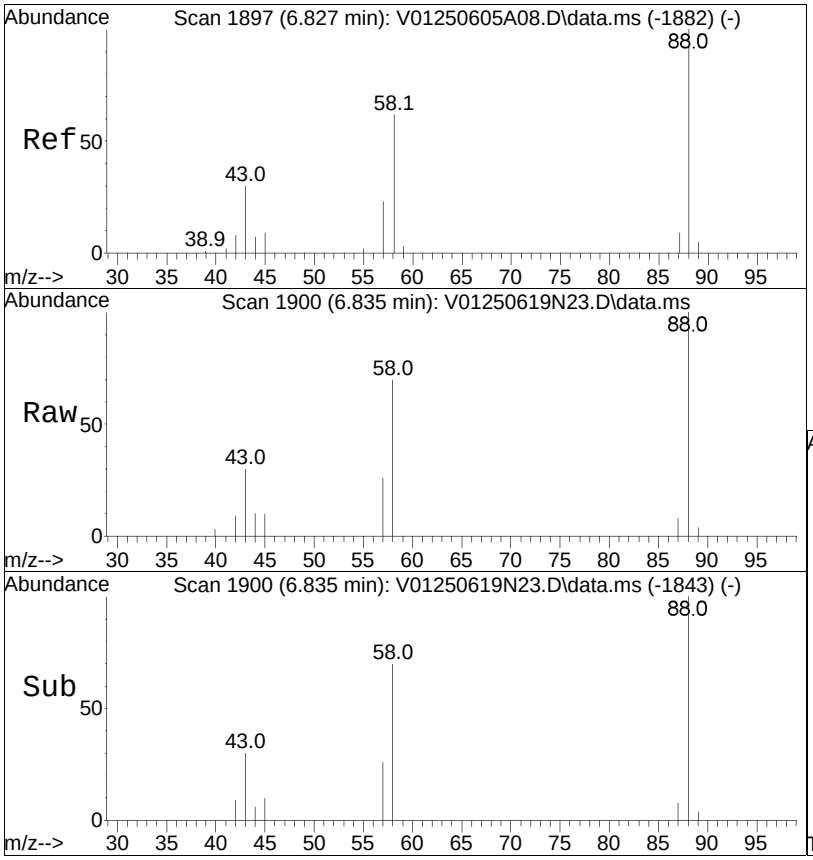


#54
Bromodichloromethane
Concen: 8.57 ug/L
RT: 6.618 min Scan# 1822
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 83 Resp: 65715

Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4
127	5.1	7.1	10.7#

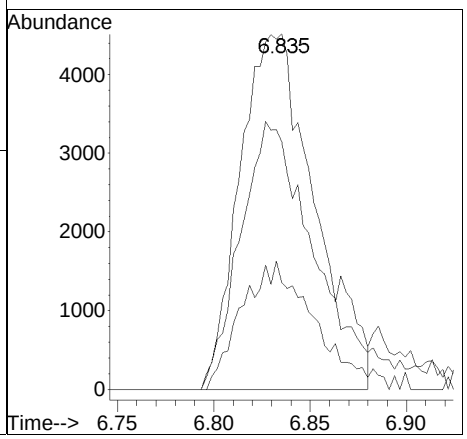


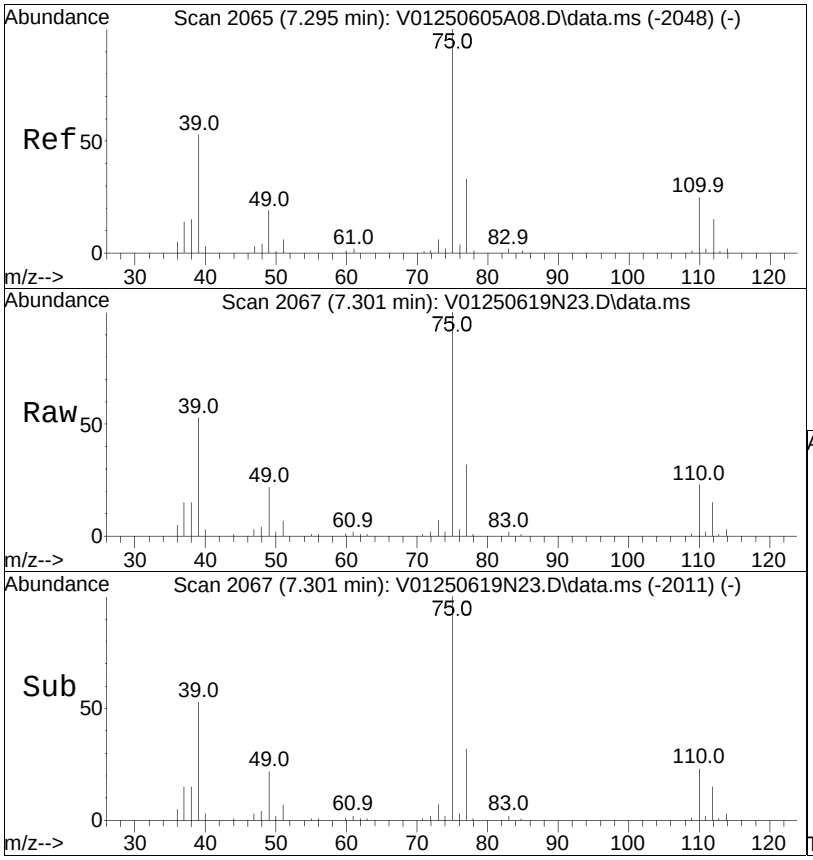


#57
1,4-Dioxane
Concen: 426.29 ug/L
RT: 6.835 min Scan# 1900
Delta R.T. 0.008 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 88 Resp: 12261

Ion	Ratio	Lower	Upper
88	100		
58	77.3	52.4	78.6
43	34.1	22.1	33.1#

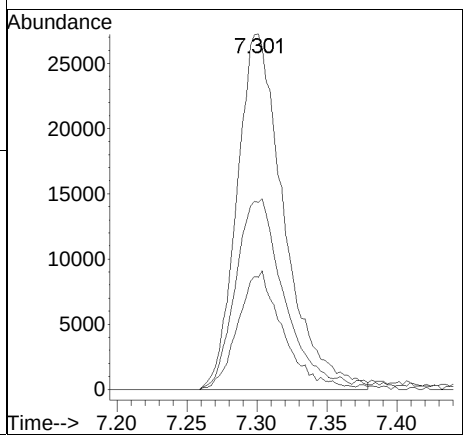


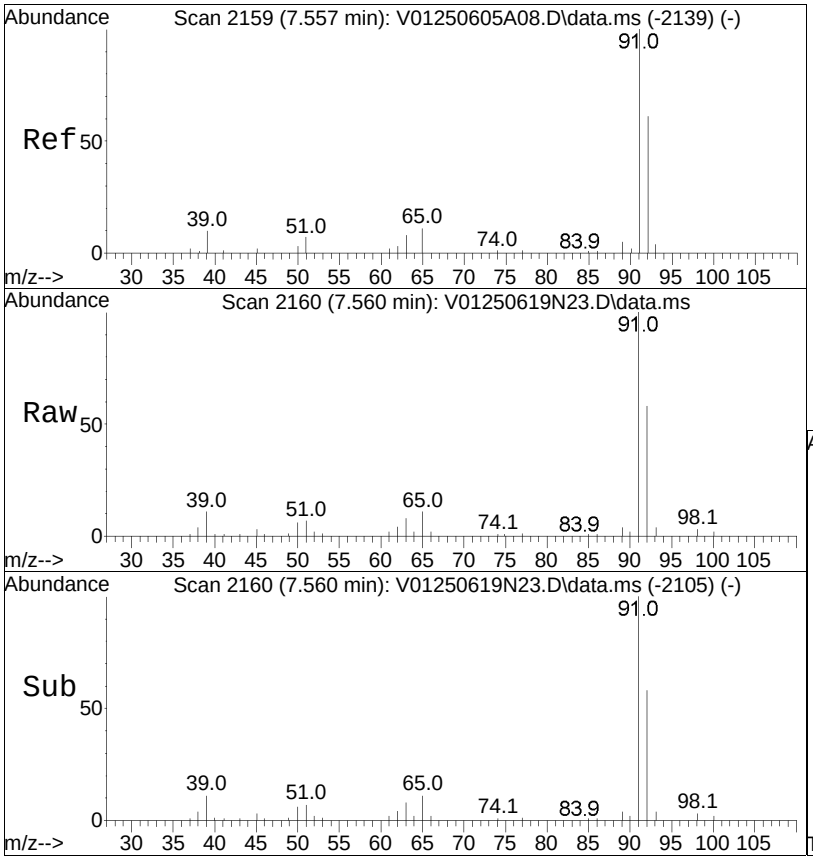


#58
cis-1,3-Dichloropropene
Concen: 7.24 ug/L
RT: 7.301 min Scan# 2067
Delta R.T. 0.006 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 75 Resp: 63851

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.7	38.5
39	54.3	42.9	64.3

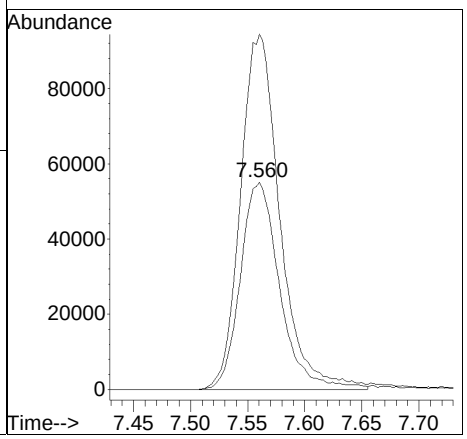


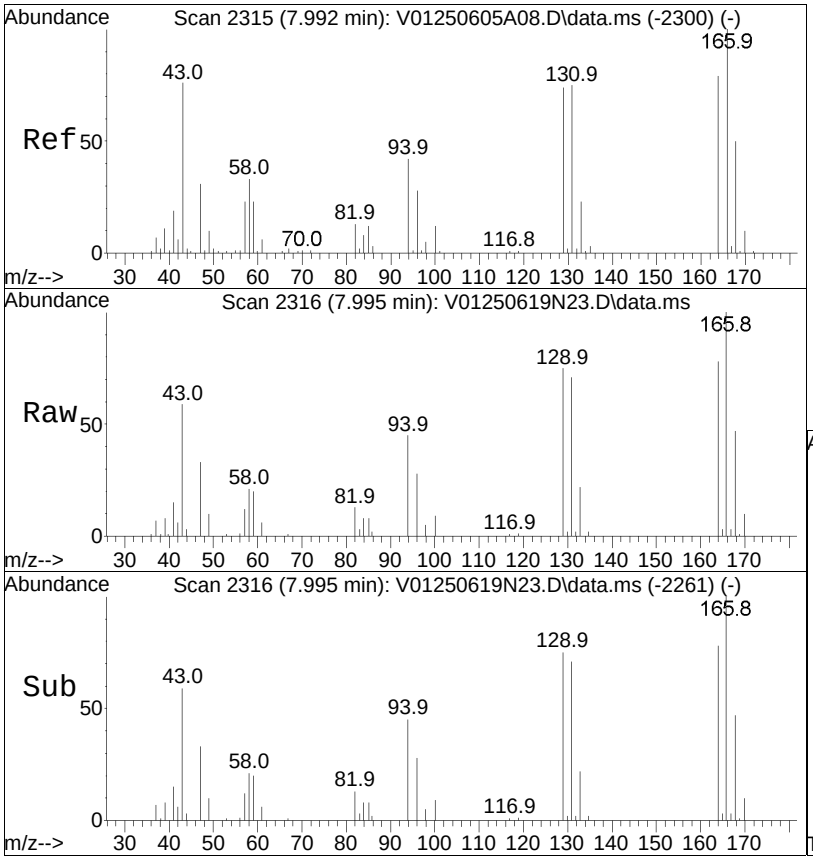


#61
Toluene
Concen: 9.58 ug/L
RT: 7.560 min Scan# 2160
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 92 Resp: 132094

Ion	Ratio	Lower	Upper
92	100		
91	171.0	134.8	202.2

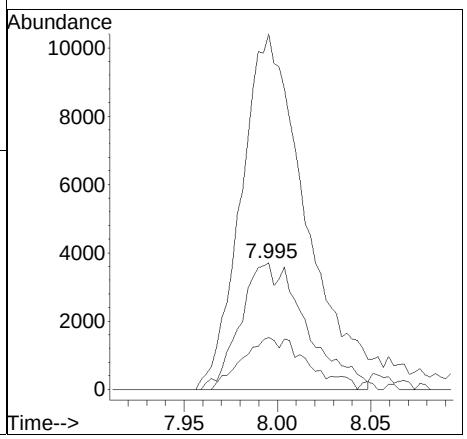


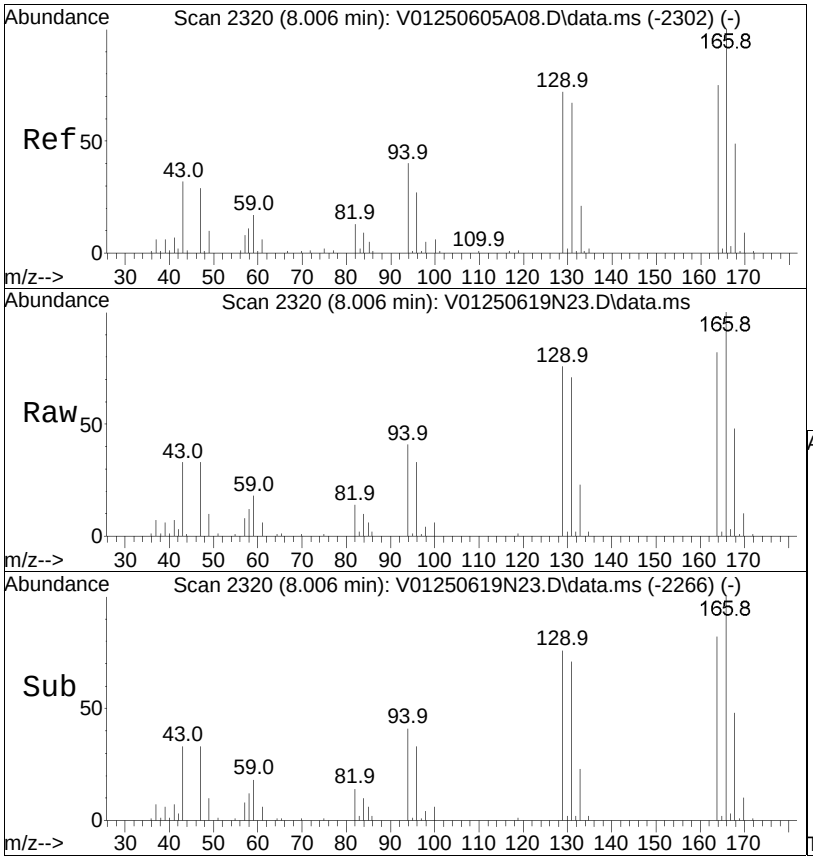


#62
4-Methyl-2-pentanone
Concen: 7.68 ug/L
RT: 7.995 min Scan# 2316
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 58 Resp: 9052

Ion	Ratio	Lower	Upper
58	100		
100	22.9	34.7	52.1#
43	280.0	205.3	307.9

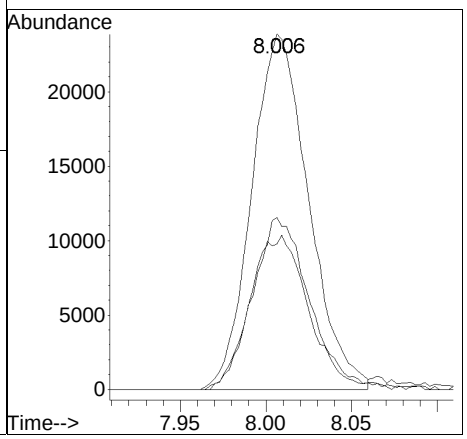


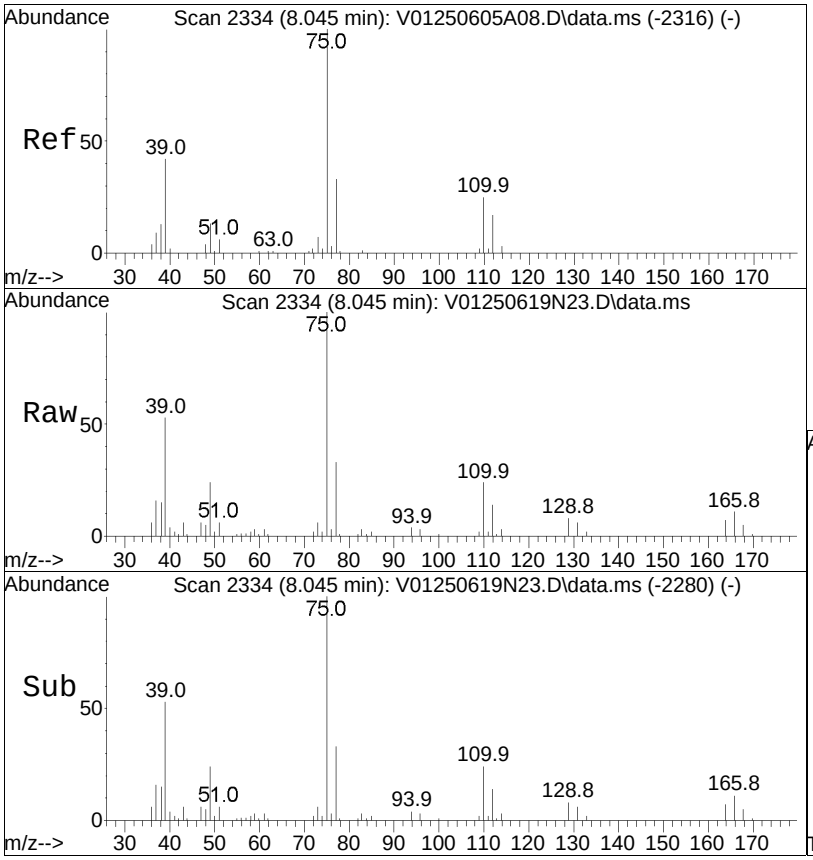


#63
Tetrachloroethene
Concen: 8.98 ug/L
RT: 8.006 min Scan# 2320
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:166 Resp: 55189

Ion	Ratio	Lower	Upper
166	100		
168	48.8	28.4	68.4
94	44.8	21.2	61.2

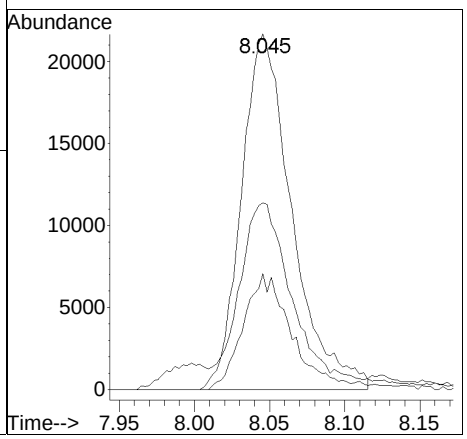


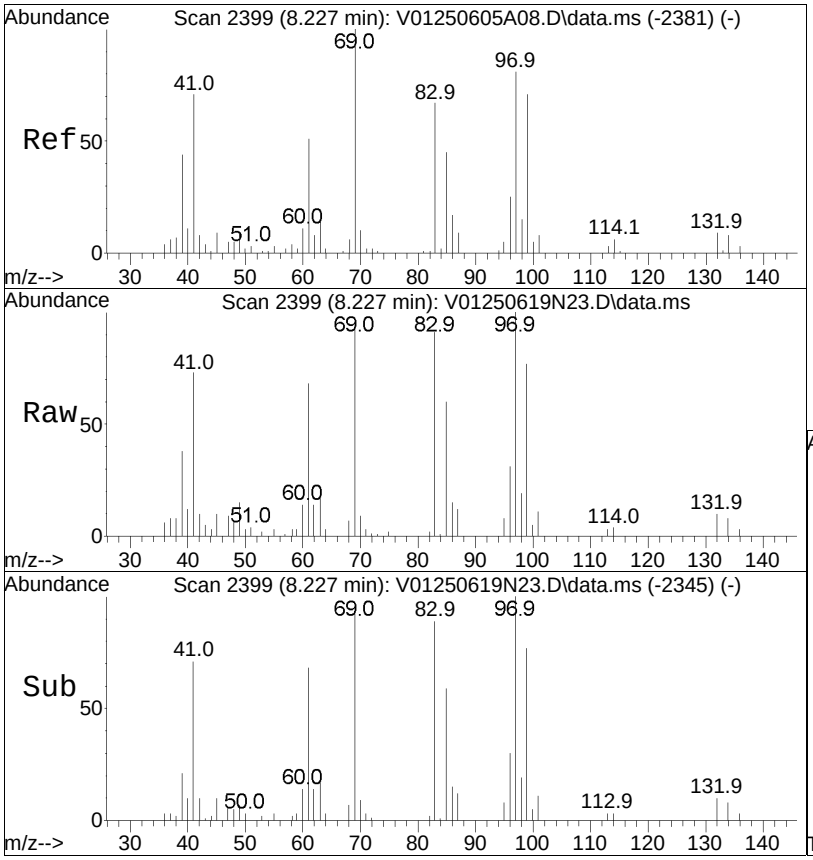


#65
trans-1,3-Dichloropropene
Concen: 7.54 ug/L
RT: 8.045 min Scan# 2334
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 75 Resp: 50563

Ion	Ratio	Lower	Upper
75	100		
77	30.9	11.9	51.9
39	55.0	28.4	68.4

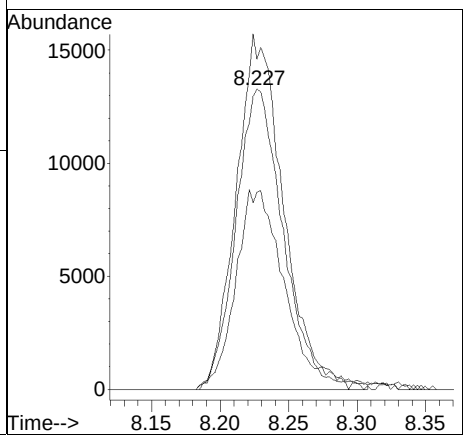


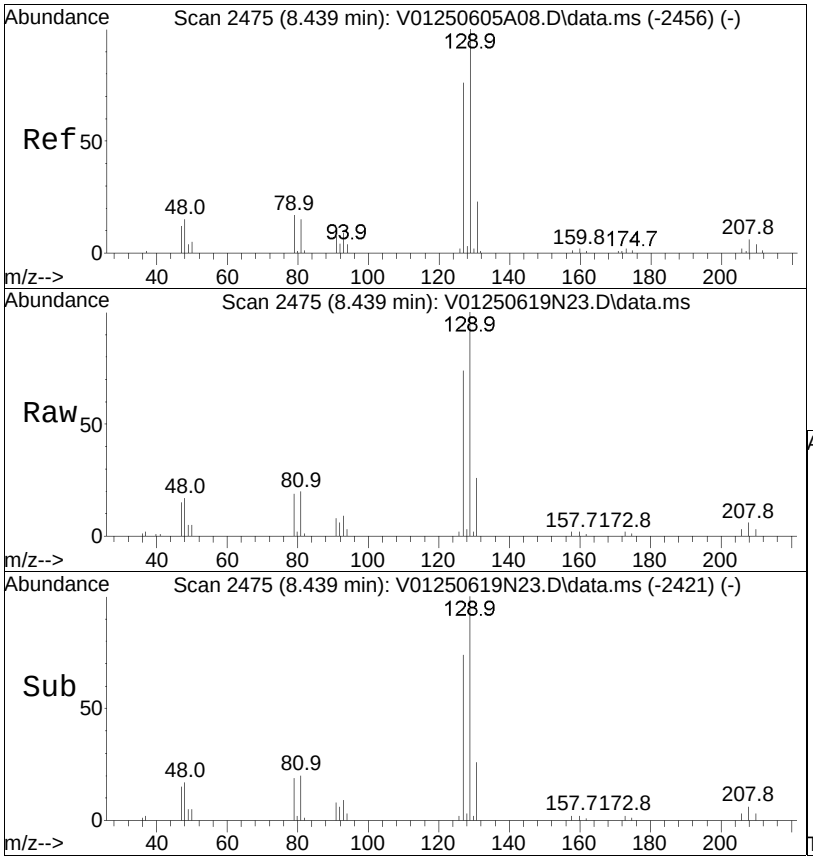


#68
1,1,2-Trichloroethane
Concen: 9.51 ug/L
RT: 8.227 min Scan# 2399
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 83 Resp: 32272

Ion	Ratio	Lower	Upper
83	100		
97	117.9	101.5	141.5
85	67.3	48.5	88.5

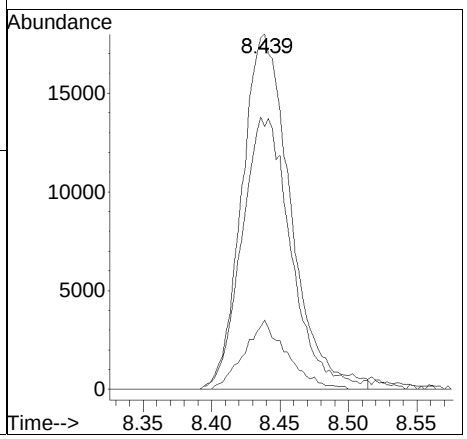


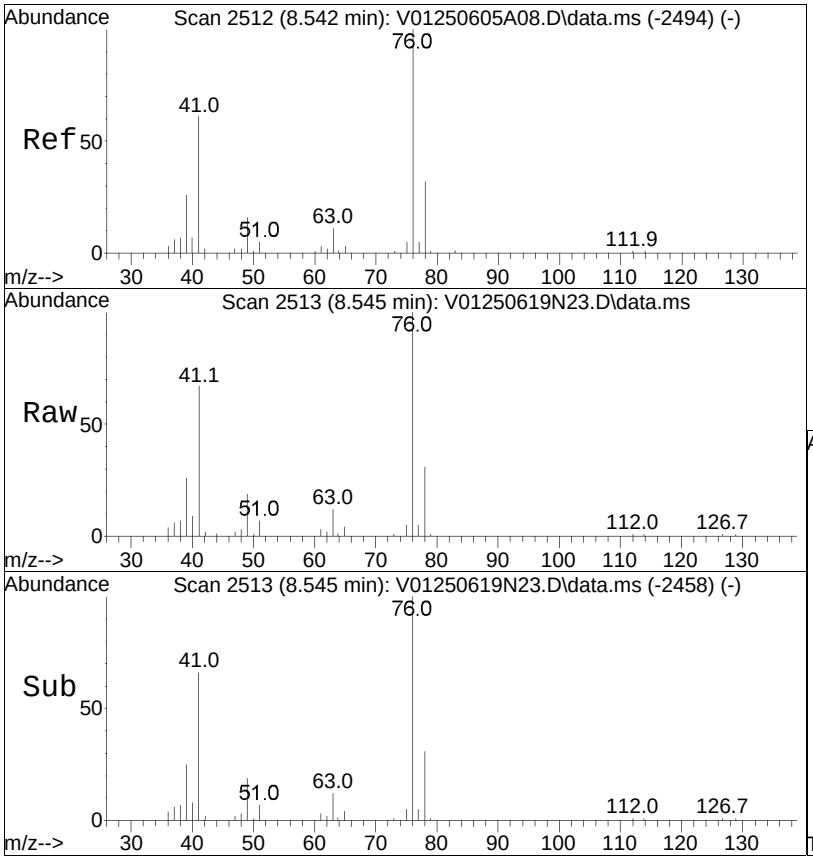


#69
Chlorodibromomethane
Concen: 8.21 ug/L
RT: 8.439 min Scan# 2475
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:129 Resp: 44507

Ion	Ratio	Lower	Upper
129	100		
81	17.2	0.0	36.6
127	77.3	56.3	96.3

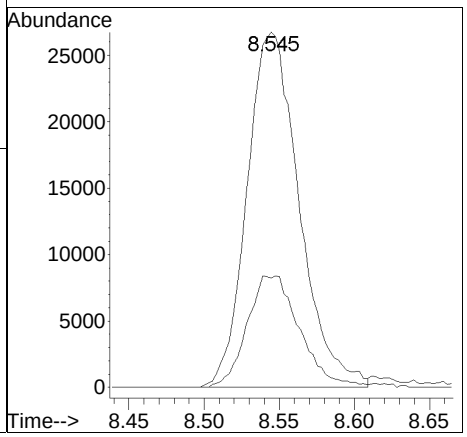


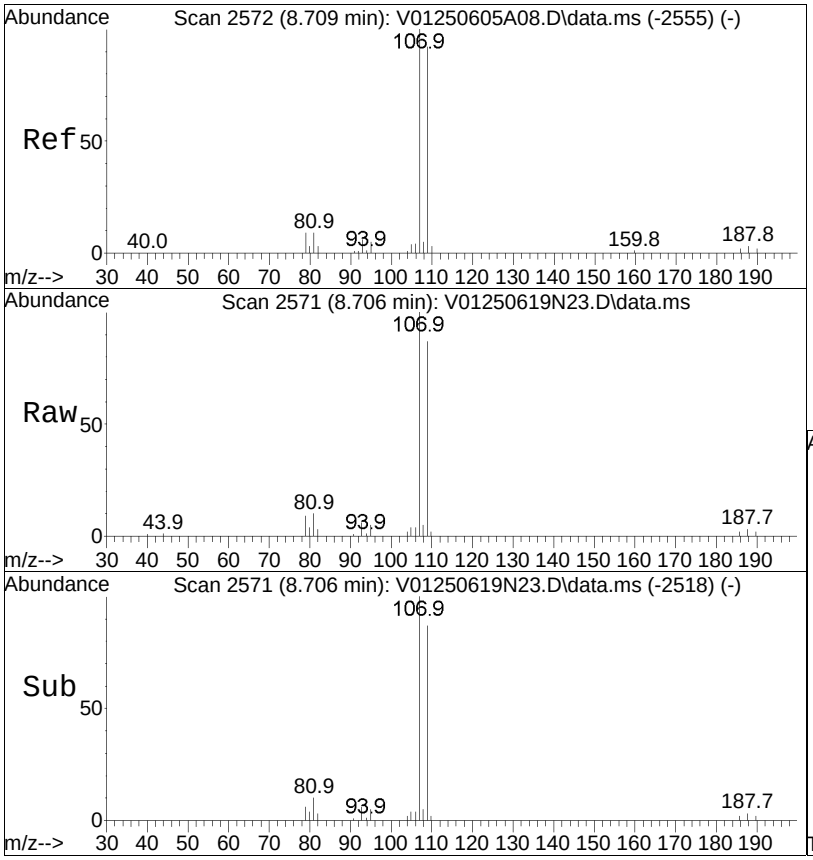


#70
1,3-Dichloropropane
Concen: 9.58 ug/L
RT: 8.545 min Scan# 2513
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 76 Resp: 64605

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.8	38.6

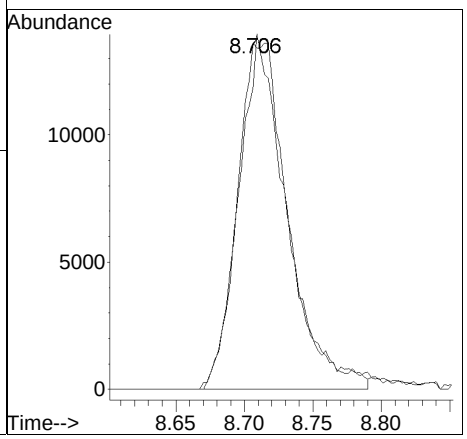


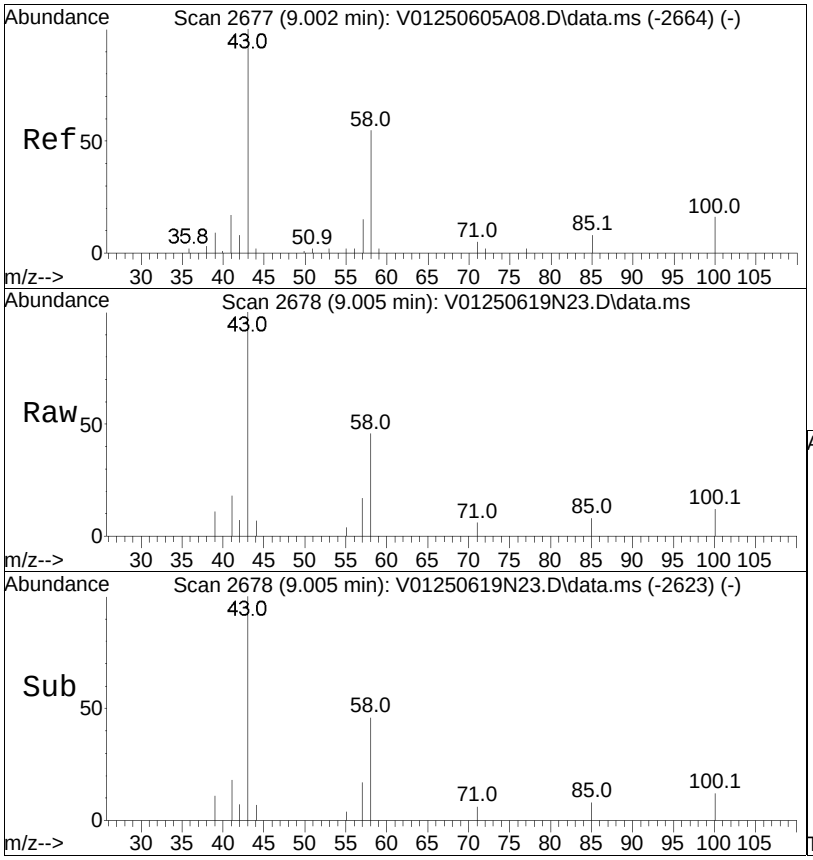


#71
1,2-Dibromoethane
Concen: 8.96 ug/L
RT: 8.706 min Scan# 2571
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:107 Resp: 35696

Ion	Ratio	Lower	Upper
107	100		
109	93.0	76.9	115.3

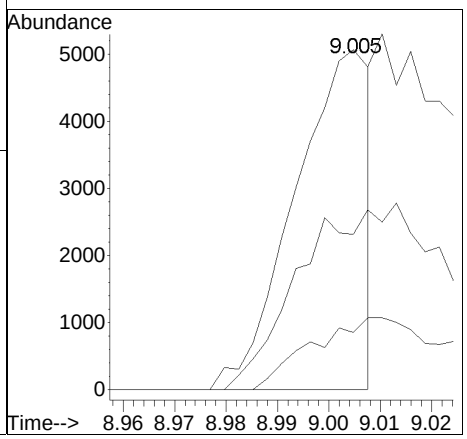


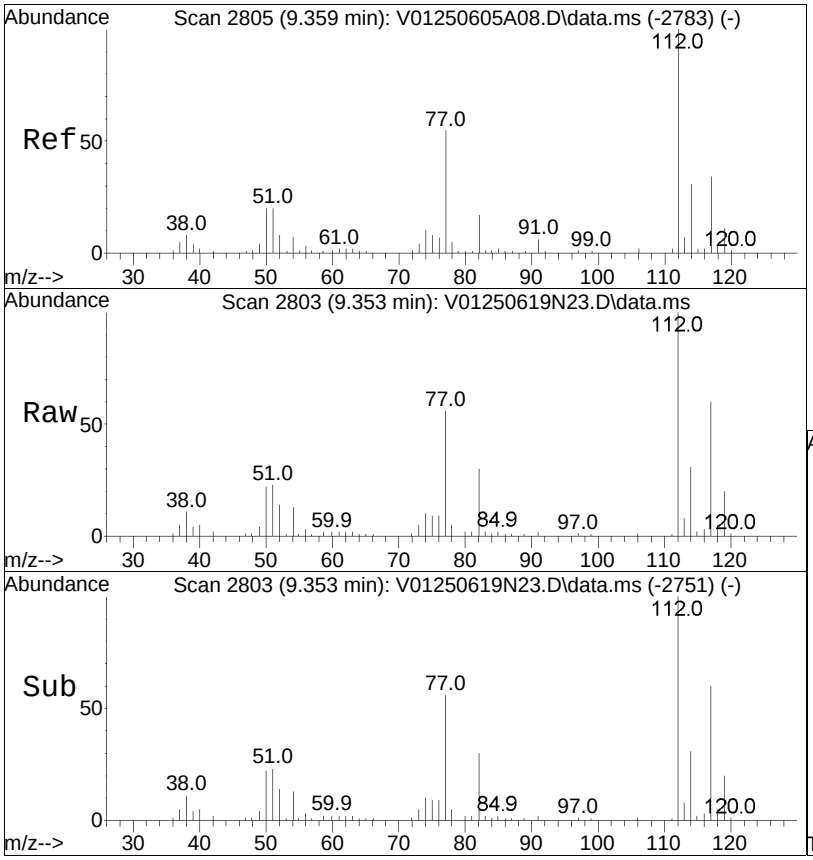


#72
2-Hexanone
Concen: 2.60 ug/L
RT: 9.005 min Scan# 2678
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 43 Resp: 5135

Ion	Ratio	Lower	Upper
43	100		
58	140.8	43.6	65.4#
57	31.4	6.5	9.7#

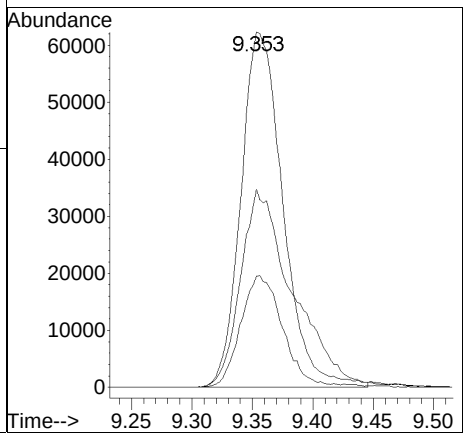


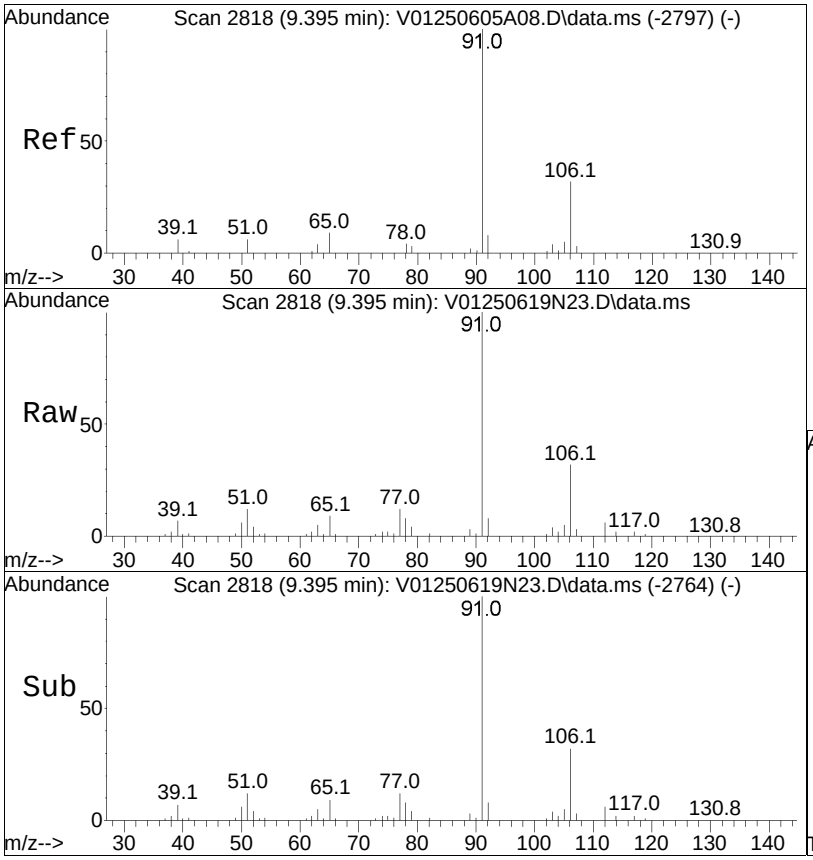


#73
Chlorobenzene
Concen: 9.48 ug/L
RT: 9.353 min Scan# 2803
Delta R.T. -0.006 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:112 Resp: 150905

Ion	Ratio	Lower	Upper
112	100		
77	69.1	54.6	81.8
114	31.2	25.5	38.3

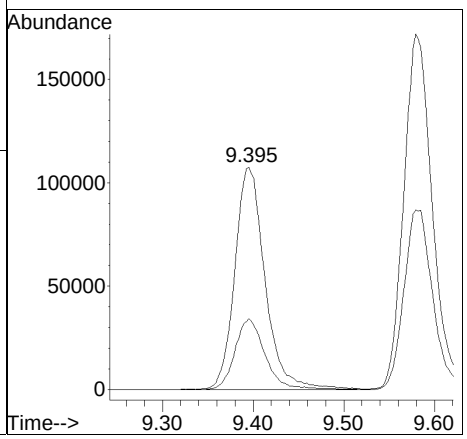


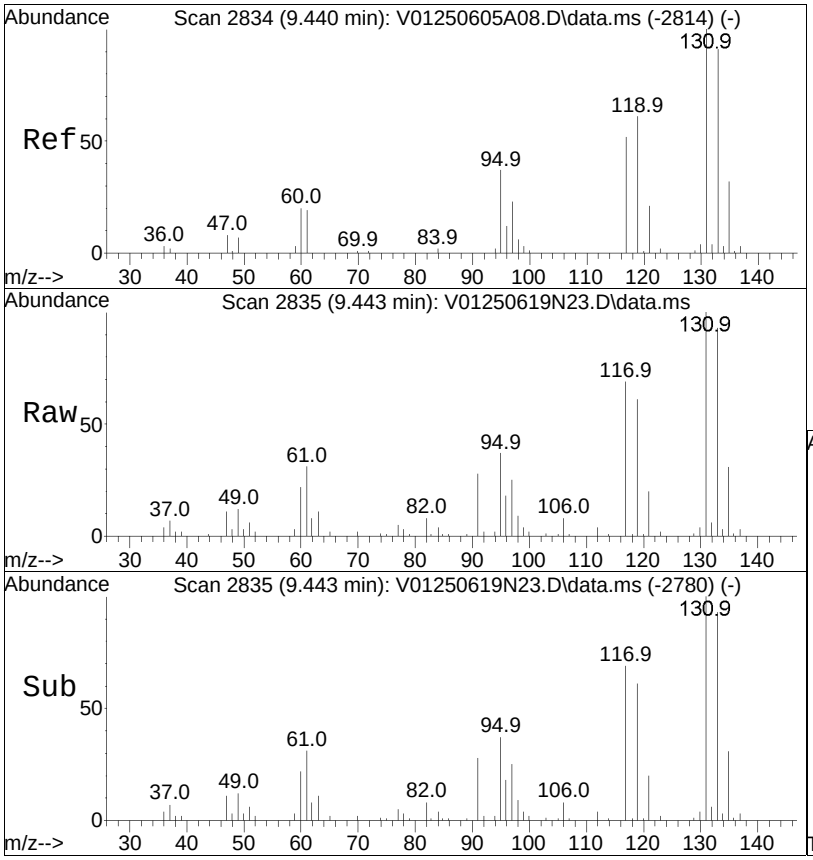


#74
Ethylbenzene
Concen: 9.37 ug/L
RT: 9.395 min Scan# 2818
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 91 Resp: 249117

Ion	Ratio	Lower	Upper
91	100		
106	31.2	26.1	39.1

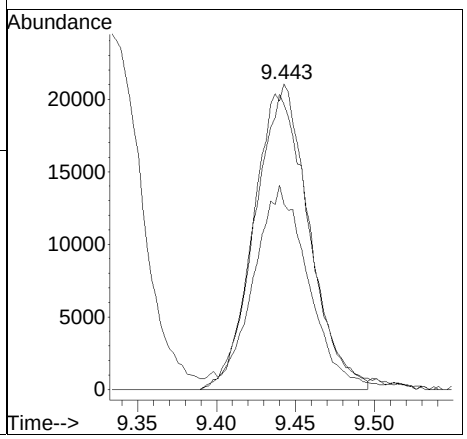


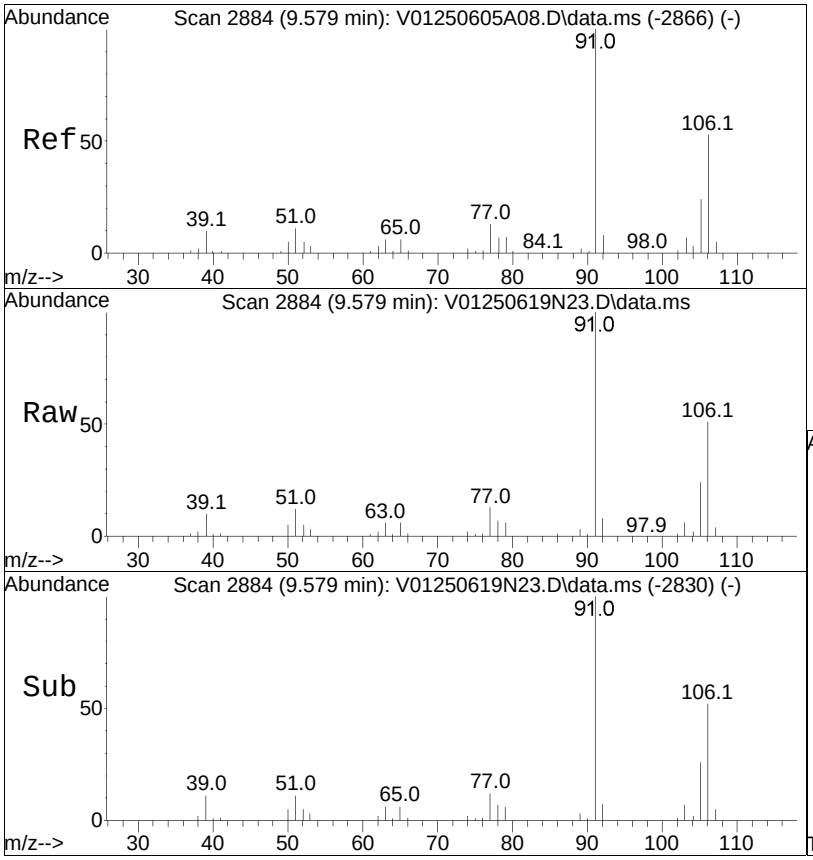


#75
1,1,1,2-Tetrachloroethane
Concen: 8.81 ug/L
RT: 9.443 min Scan# 2835
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:131 Resp: 51453

Ion	Ratio	Lower	Upper
131	100		
133	97.0	75.3	115.3
119	63.6	46.1	86.1

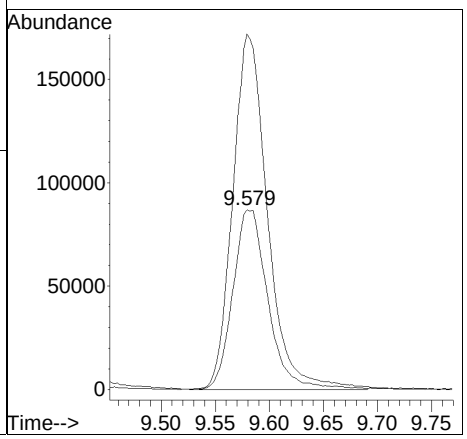


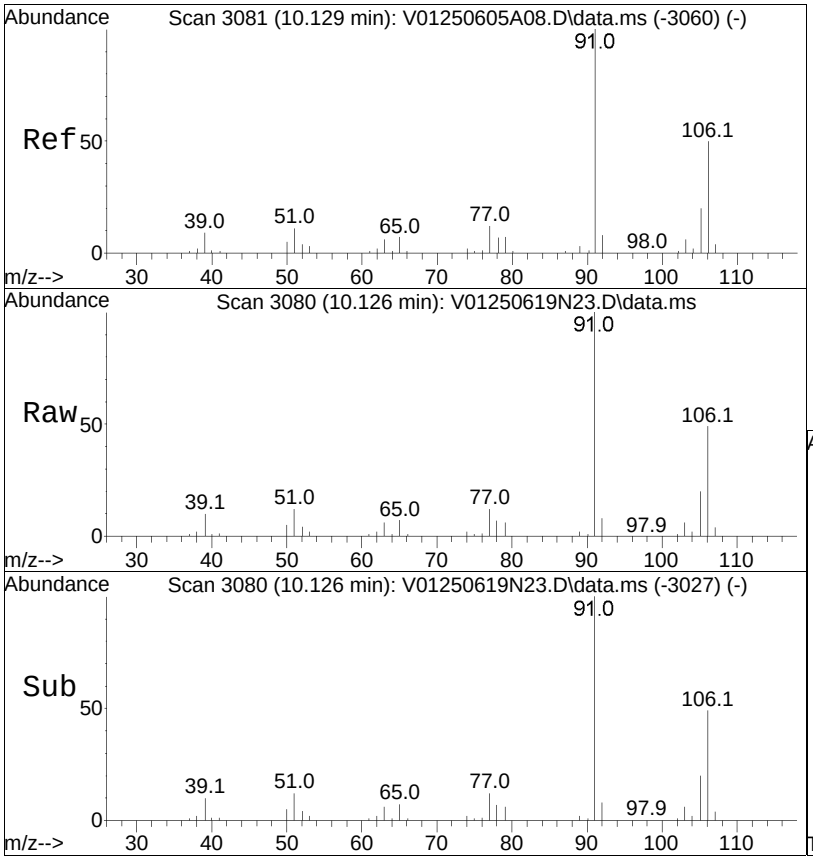


#76
p/m Xylene
Concen: 18.30 ug/L
RT: 9.579 min Scan# 2884
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:106 Resp: 196258

Ion	Ratio	Lower	Upper
106	100		
91	194.7	153.1	229.7

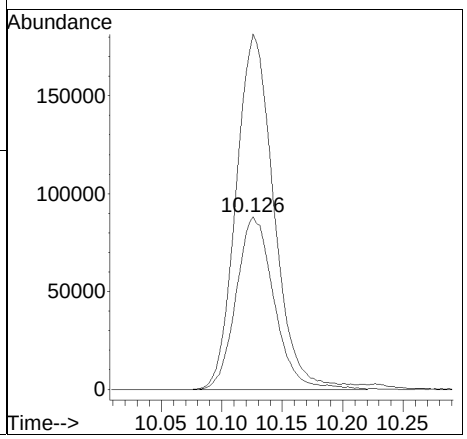


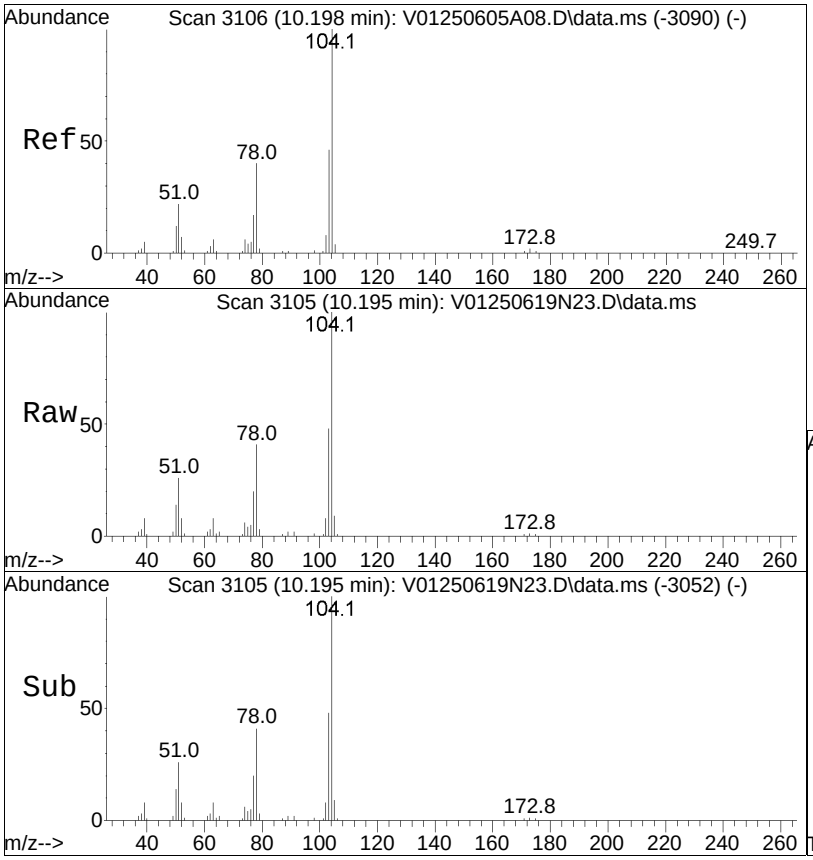


#77
o Xylene
Concen: 18.28 ug/L
RT: 10.126 min Scan# 3080
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:106 Resp: 192345

Ion	Ratio	Lower	Upper
106	100		
91	204.6	161.3	241.9

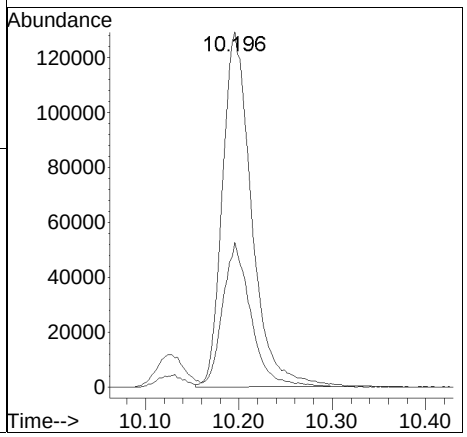


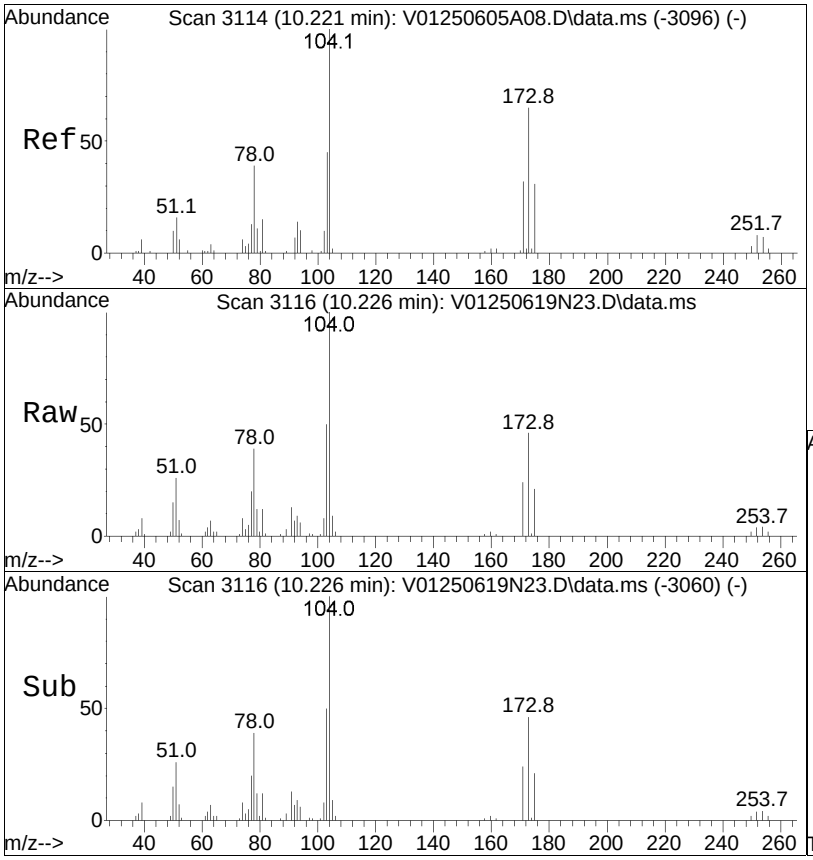


#78
Styrene
Concen: 16.73 ug/L
RT: 10.195 min Scan# 3105
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:104 Resp: 281161

Ion	Ratio	Lower	Upper
104	100		
78	39.2	32.5	48.7

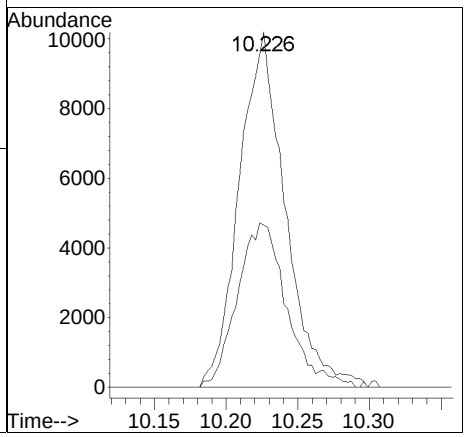


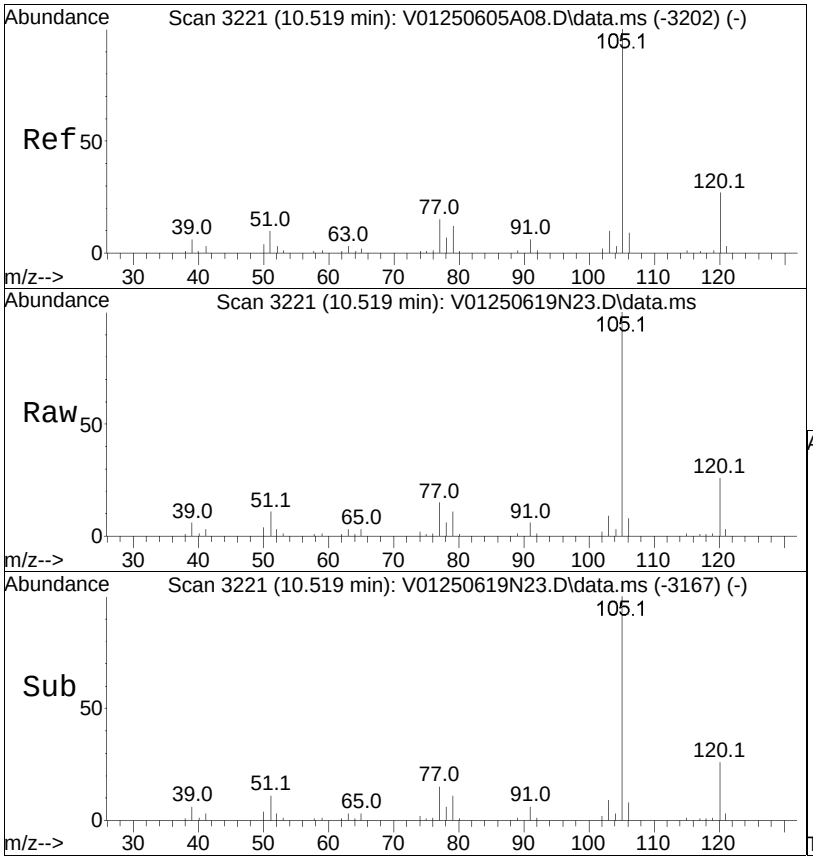


#80
Bromoform
Concen: 7.11 ug/L
RT: 10.226 min Scan# 3116
Delta R.T. 0.005 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:173 Resp: 22789

Ion	Ratio	Lower	Upper
173	100		
175	49.6	28.9	68.9

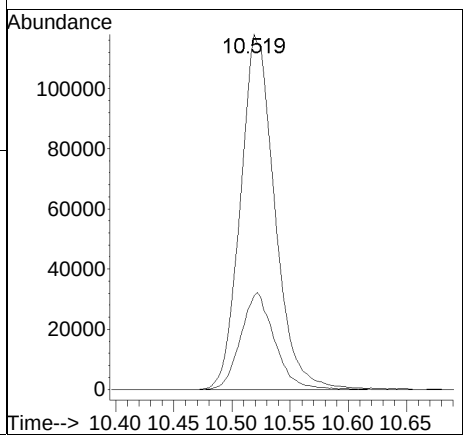


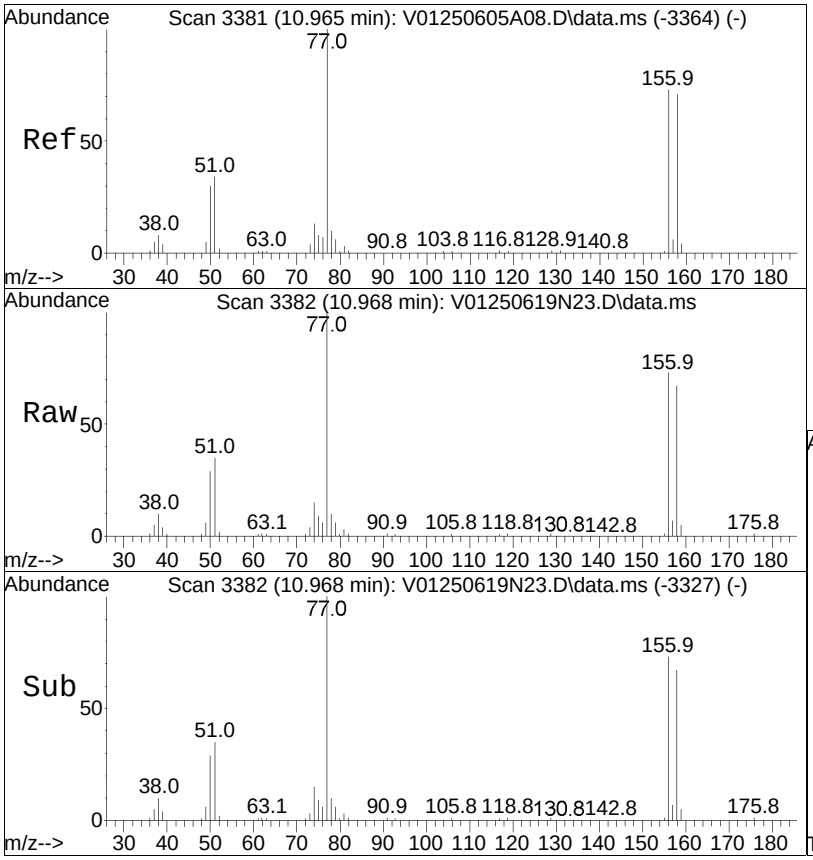


#82
Isopropylbenzene
Concen: 9.42 ug/L
RT: 10.519 min Scan# 3221
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:105 Resp: 241852

Ion	Ratio	Lower	Upper
105	100		
120	26.7	7.2	47.2

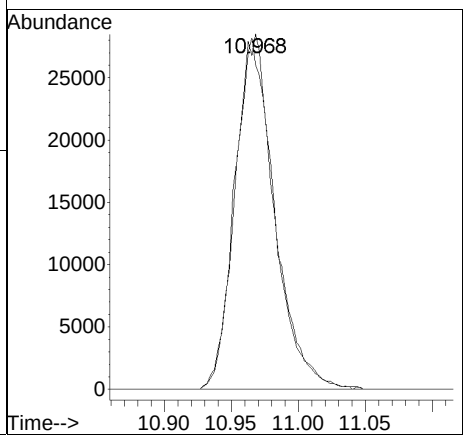


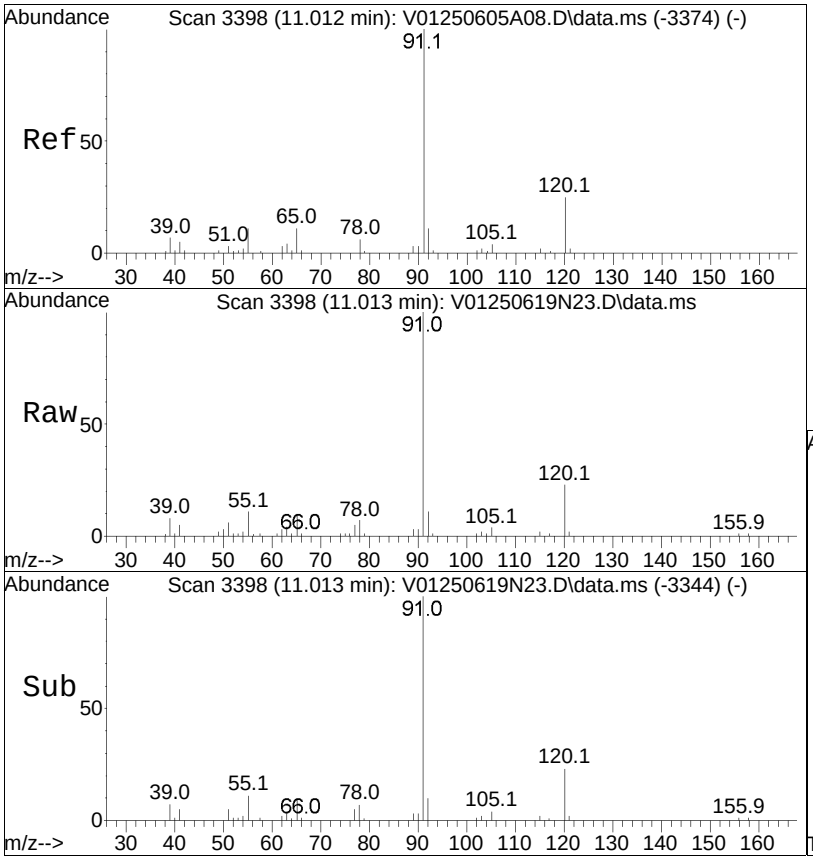


#84
Bromobenzene
Concen: 9.50 ug/L
RT: 10.968 min Scan# 3382
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:156 Resp: 59558

Ion	Ratio	Lower	Upper
156	100		
158	96.2	78.9	118.3

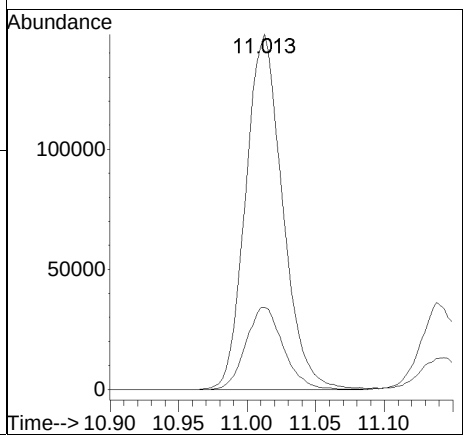


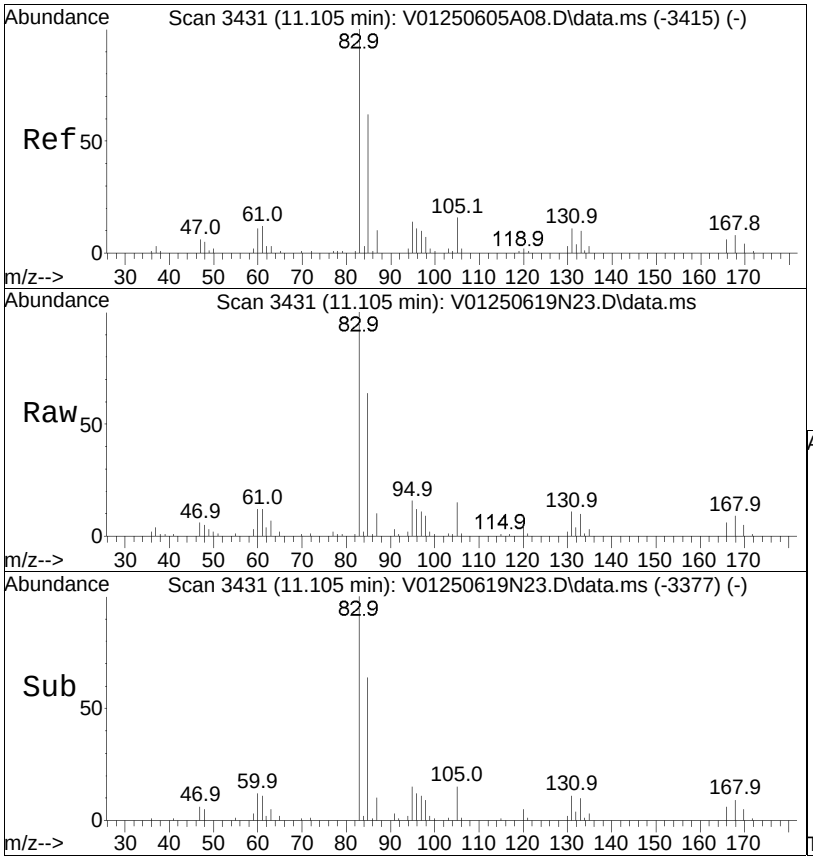


#85
n-Propylbenzene
Concen: 9.49 ug/L
RT: 11.013 min Scan# 3398
Delta R.T. 0.001 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 91 Resp: 277296

Ion	Ratio	Lower	Upper
91	100		
120	23.4	19.4	29.0

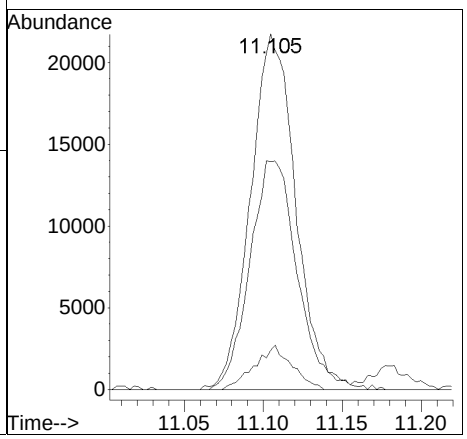


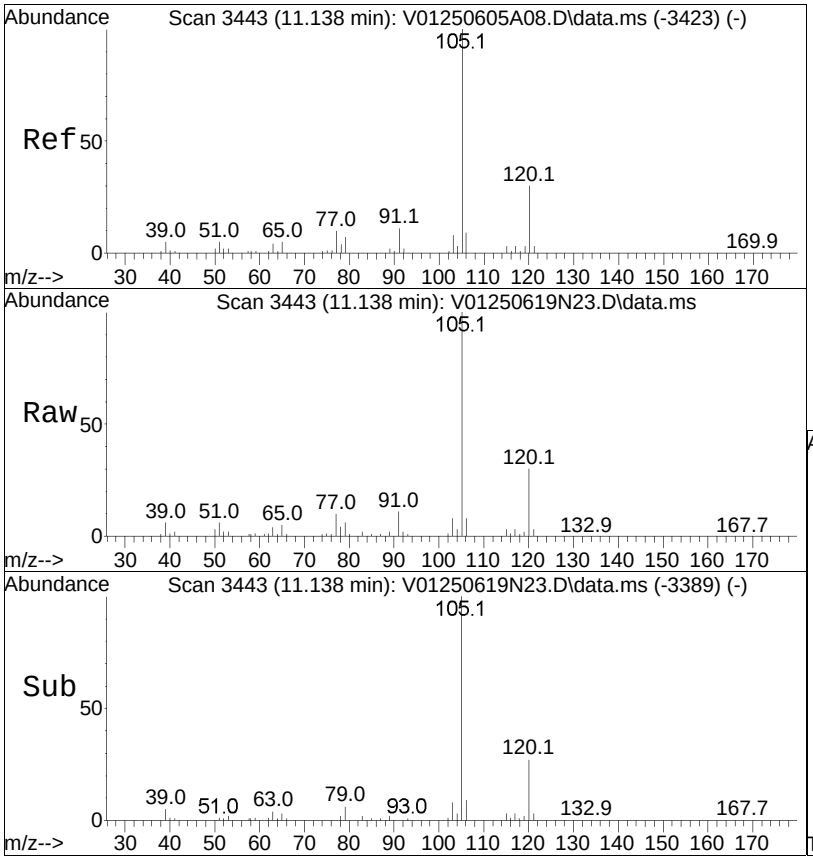


#87
1,1,2,2-Tetrachloroethane
Concen: 9.60 ug/L
RT: 11.105 min Scan# 3431
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 83 Resp: 43272

Ion	Ratio	Lower	Upper
83	100		
131	10.2	0.0	30.3
85	67.0	46.1	86.1

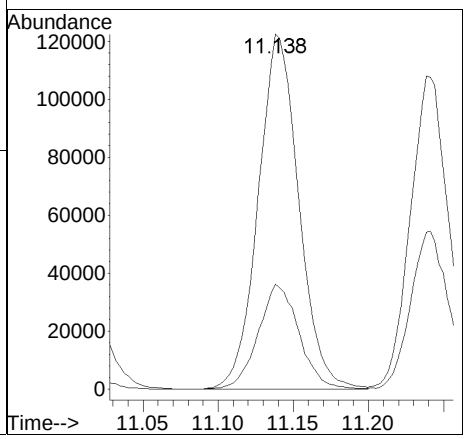


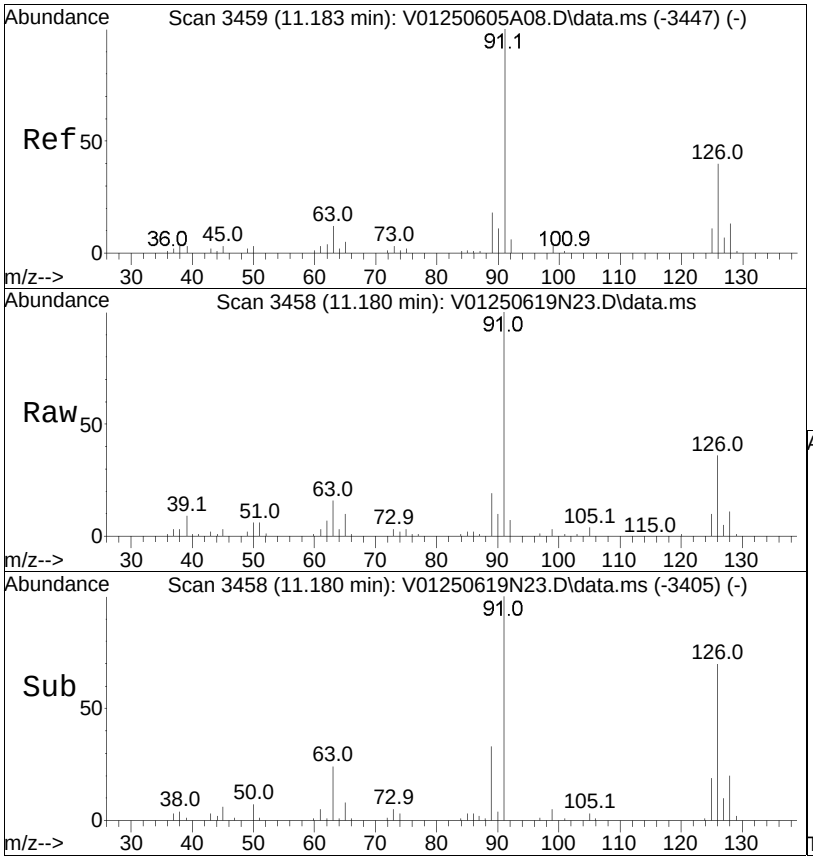


#88
4-Ethyltoluene
Concen: 9.37 ug/L
RT: 11.138 min Scan# 3443
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:105 Resp: 230397

Ion	Ratio	Lower	Upper
105	100		
120	29.8	20.0	41.4

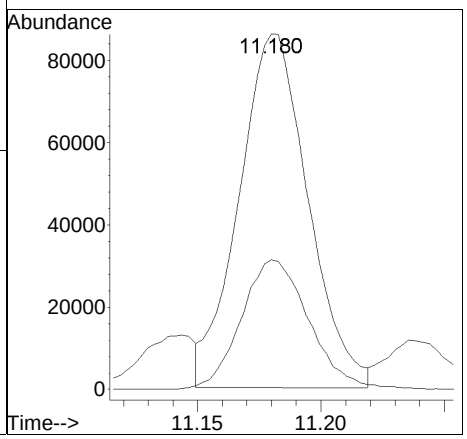


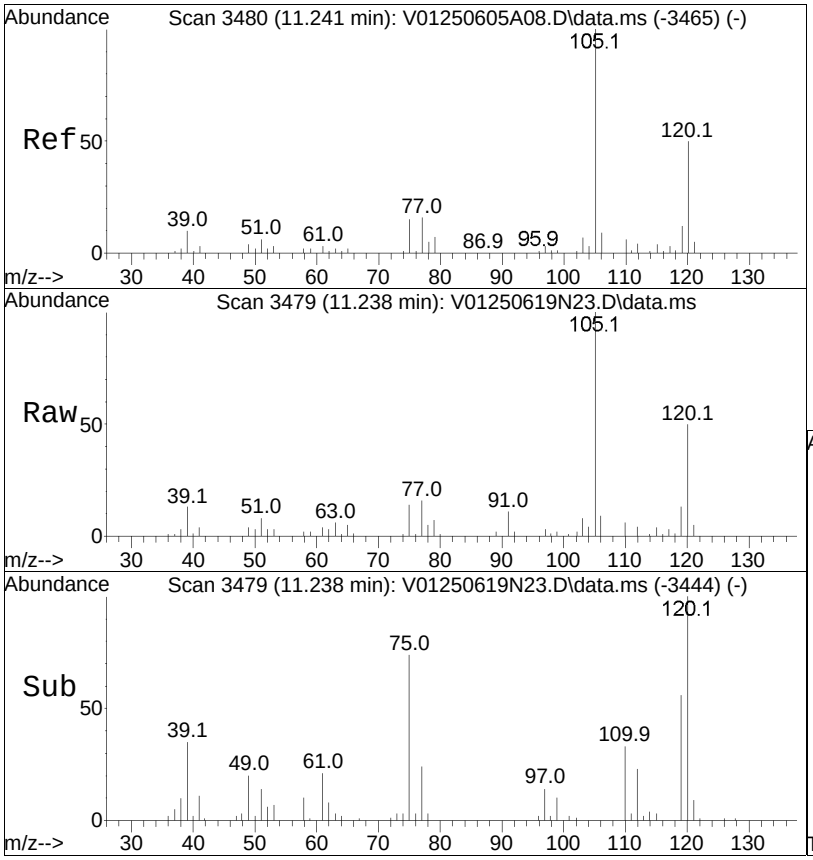


#89
2-Chlorotoluene
Concen: 9.65 ug/L
RT: 11.180 min Scan# 3458
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 91 Resp: 167541

Ion	Ratio	Lower	Upper
91	100		
126	36.0	29.0	43.4

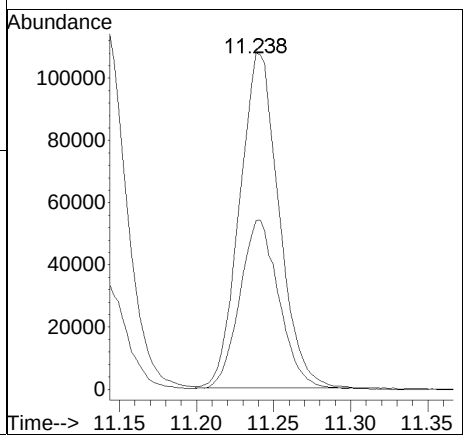


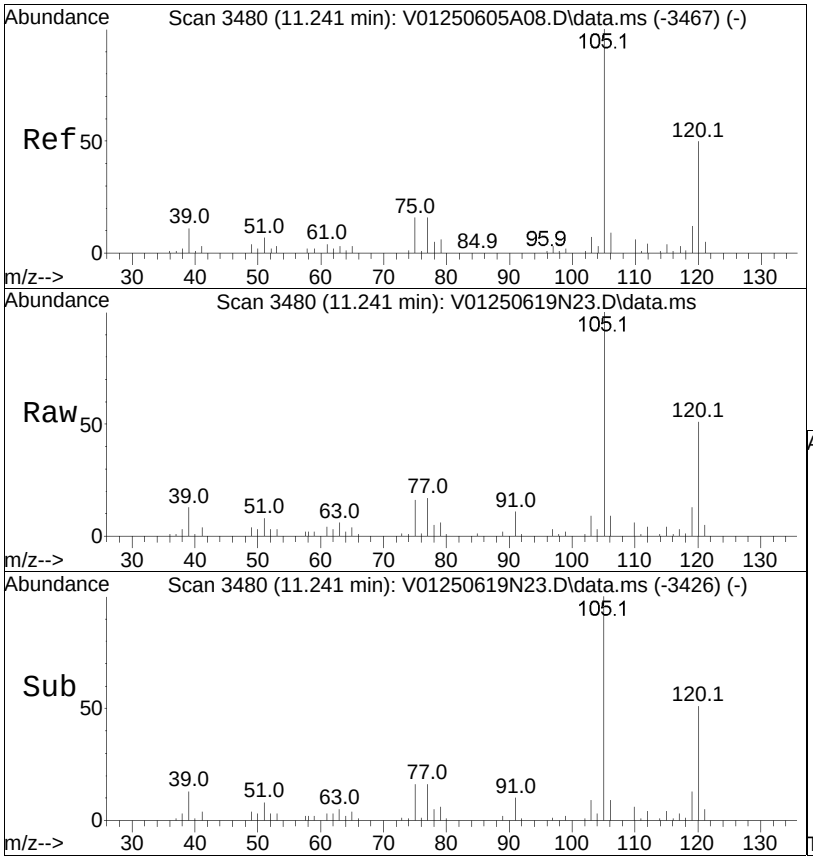


#90
1,3,5-Trimethylbenzene
Concen: 9.13 ug/L
RT: 11.238 min Scan# 3479
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:105 Resp: 191769

Ion	Ratio	Lower	Upper
105	100		
120	49.9	40.7	61.1

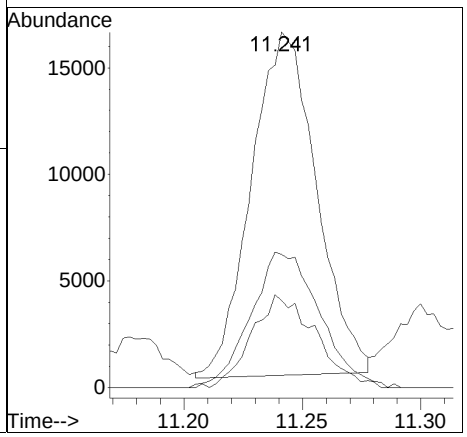


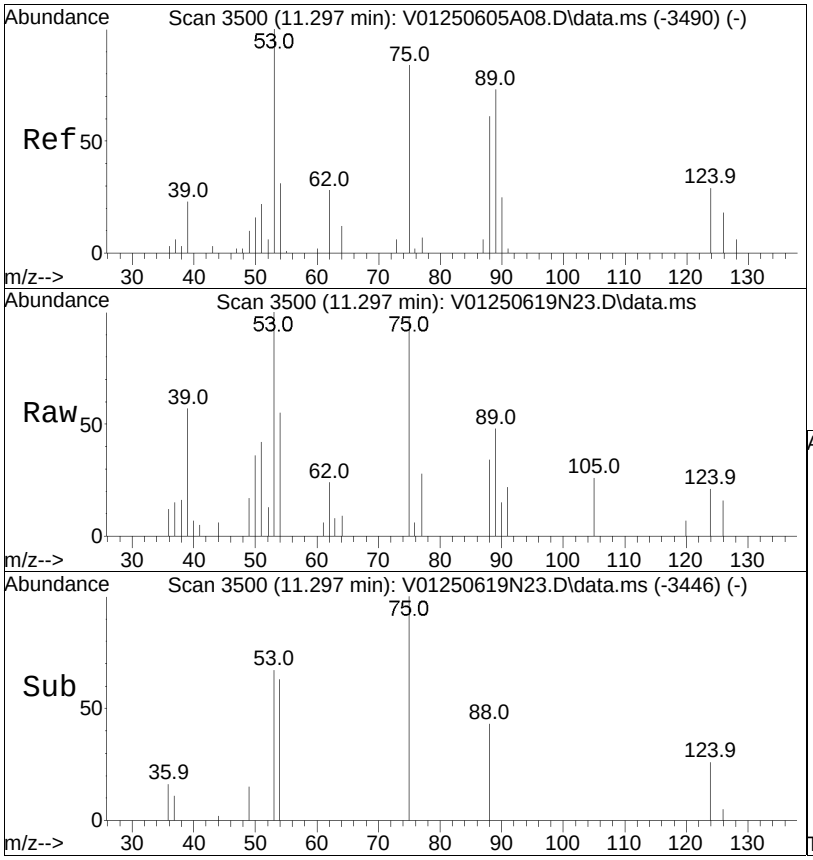


#91
1,2,3-Trichloropropane
Concen: 8.90 ug/L
RT: 11.241 min Scan# 3480
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 75 Resp: 30813

Ion	Ratio	Lower	Upper
75	100		
110	41.4	24.8	51.6
112	26.4	16.3	33.9

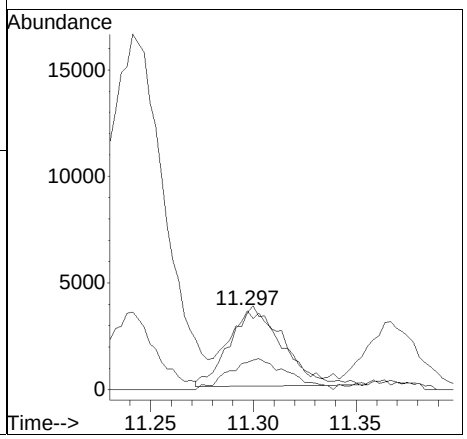


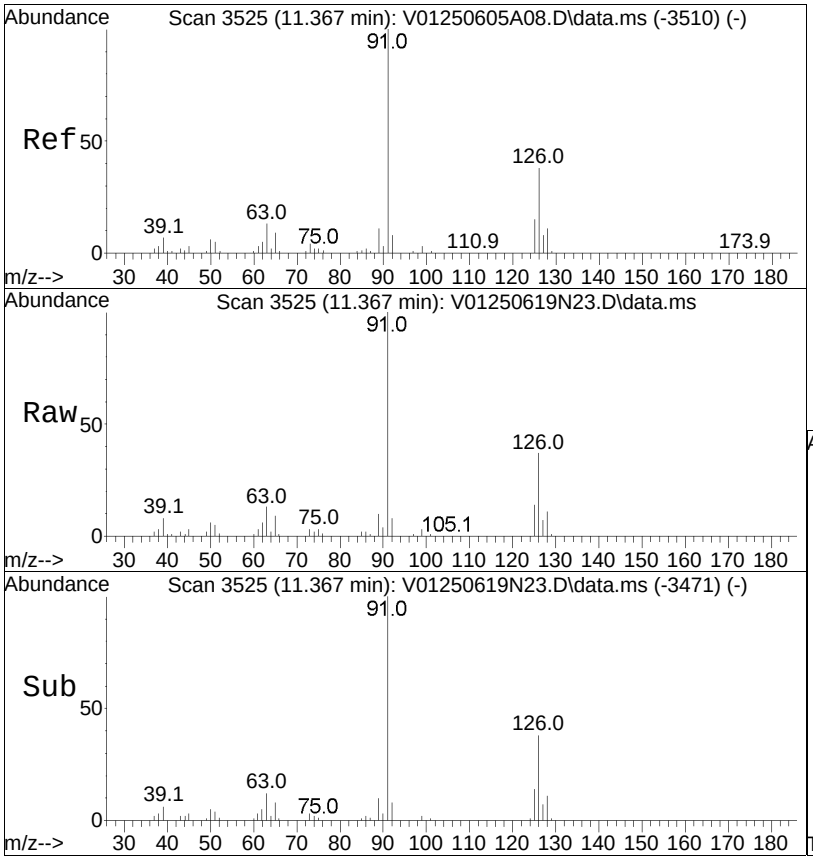


#92
trans-1,4-Dichloro-2-butene
Concen: 6.37 ug/L
RT: 11.297 min Scan# 3500
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 53 Resp: 6605

Ion	Ratio	Lower	Upper
53	100		
88	42.7	39.4	59.0
75	95.5	93.8	140.8

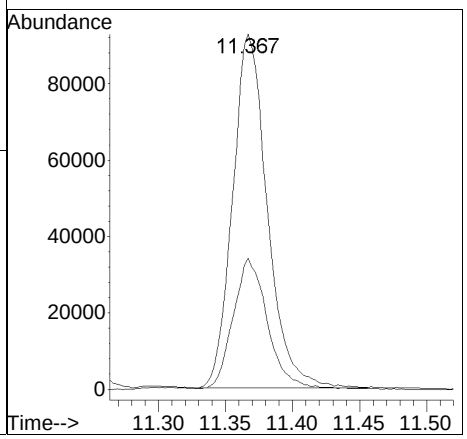


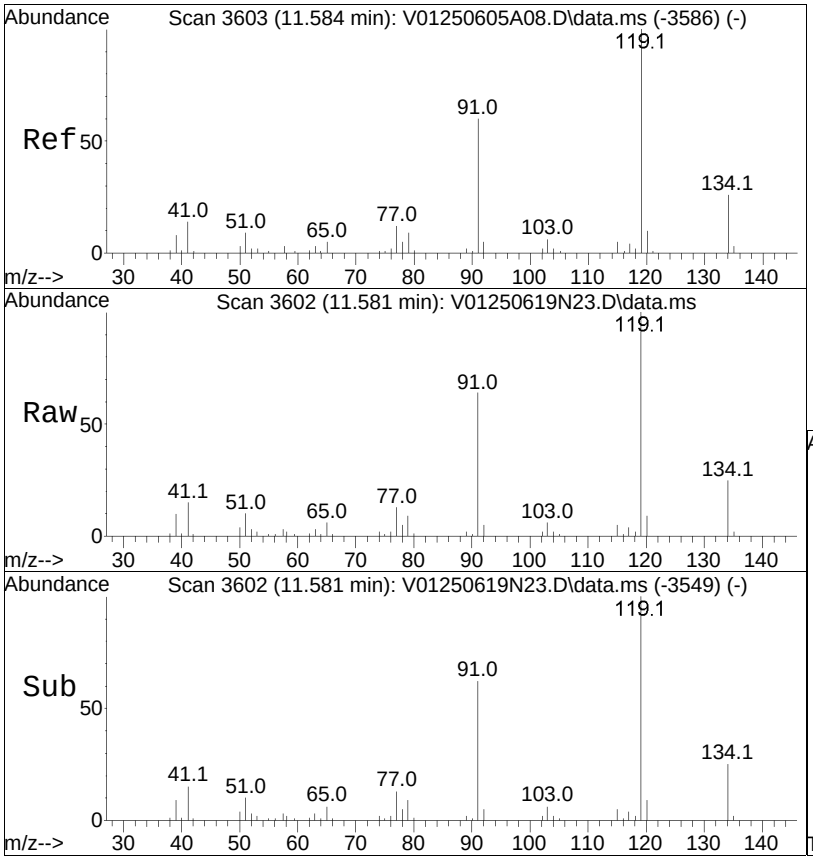


#93
4-Chlorotoluene
Concen: 9.48 ug/L
RT: 11.367 min Scan# 3525
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 91 Resp: 166487

Ion	Ratio	Lower	Upper
91	100		
126	37.3	29.7	44.5

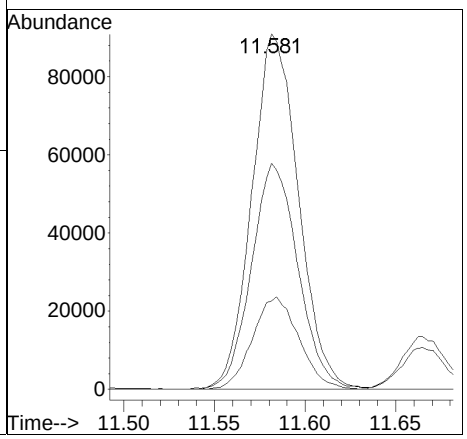


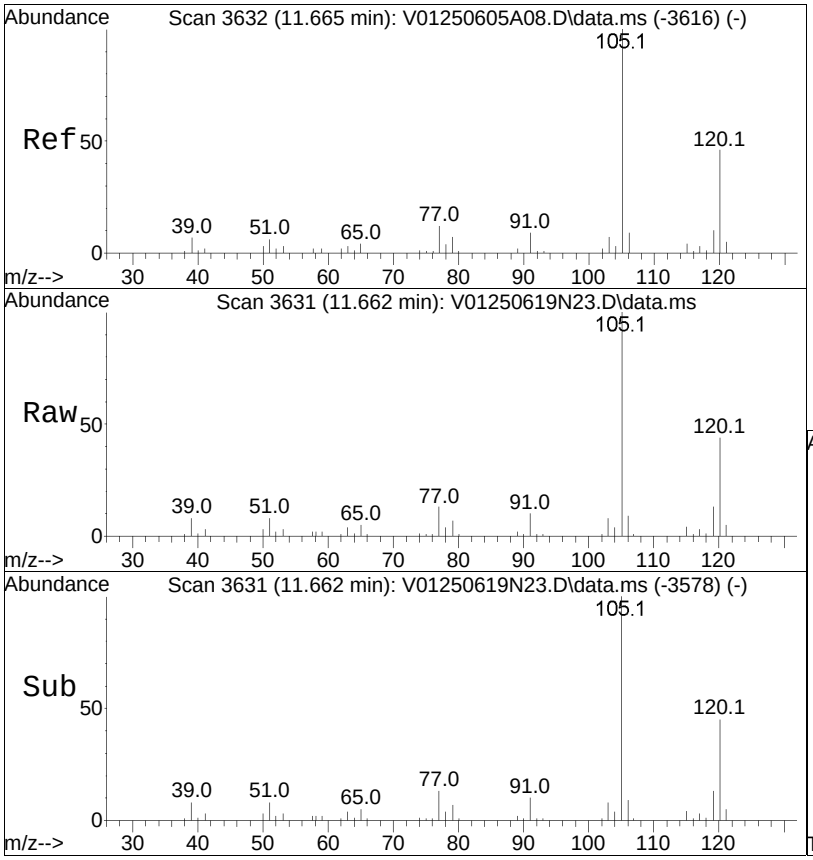


#94
tert-Butylbenzene
Concen: 9.16 ug/L
RT: 11.581 min Scan# 3602
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:119 Resp: 162615

Ion	Ratio	Lower	Upper
119	100		
91	63.7	50.0	75.0
134	26.1	20.8	31.2

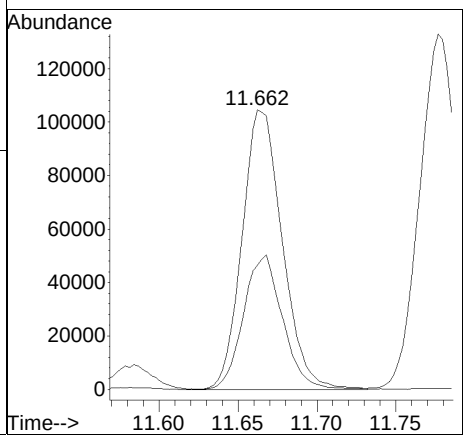


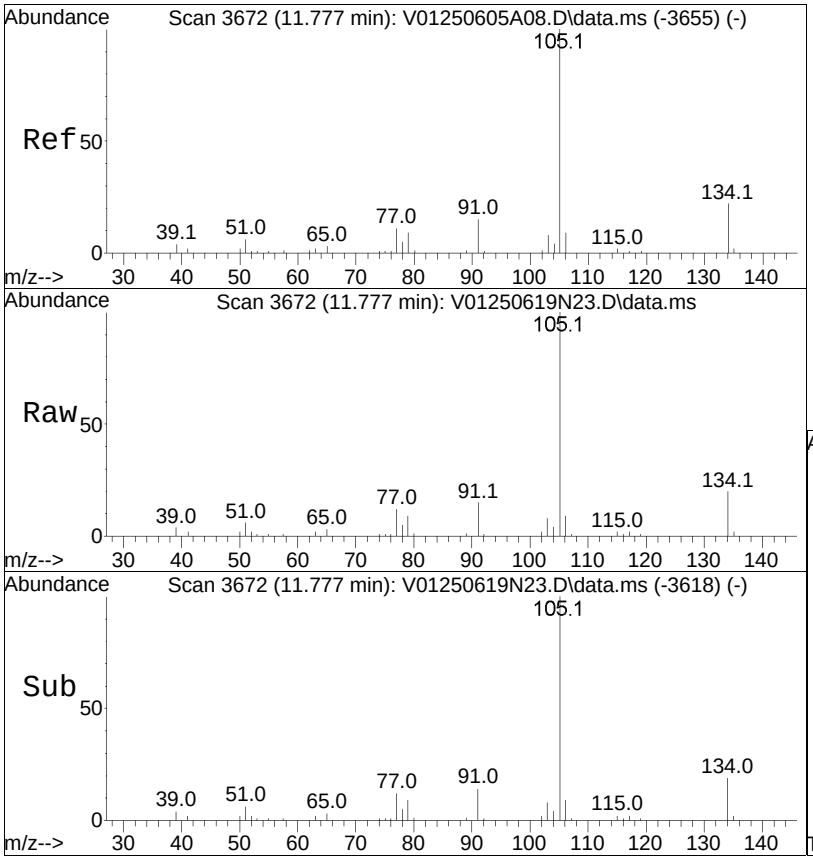


#97
1,2,4-Trimethylbenzene
Concen: 9.14 ug/L
RT: 11.662 min Scan# 3631
Delta R.T. -0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:105 Resp: 185119

Ion	Ratio	Lower	Upper
105	100		
120	46.7	38.2	57.4

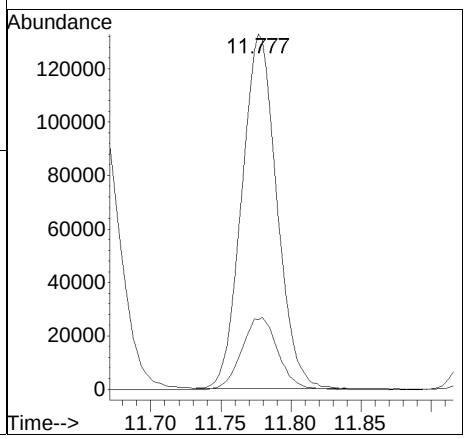


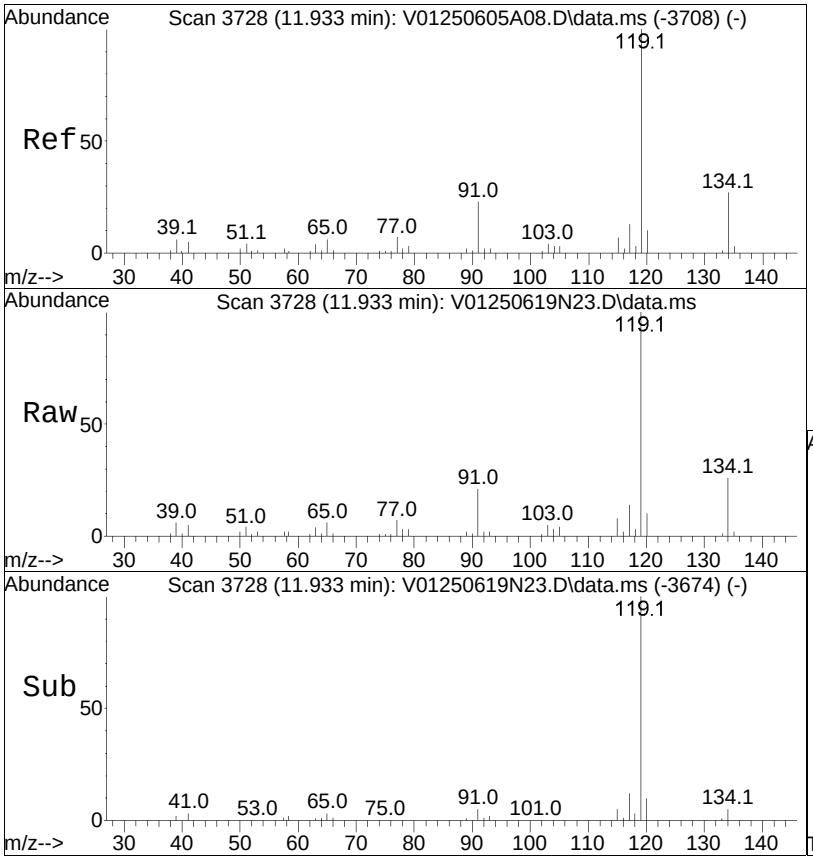


#98
sec-Butylbenzene
Concen: 9.19 ug/L
RT: 11.777 min Scan# 3672
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:105 Resp: 231137

Ion	Ratio	Lower	Upper
105	100		
134	20.8	14.0	29.2

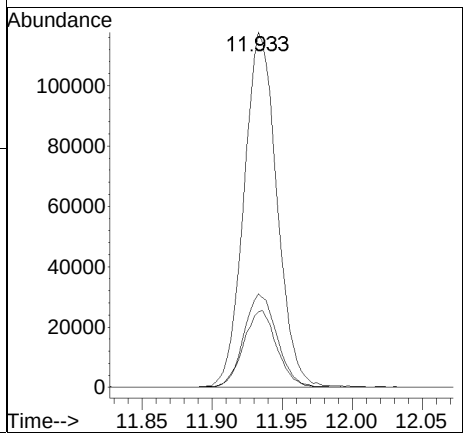


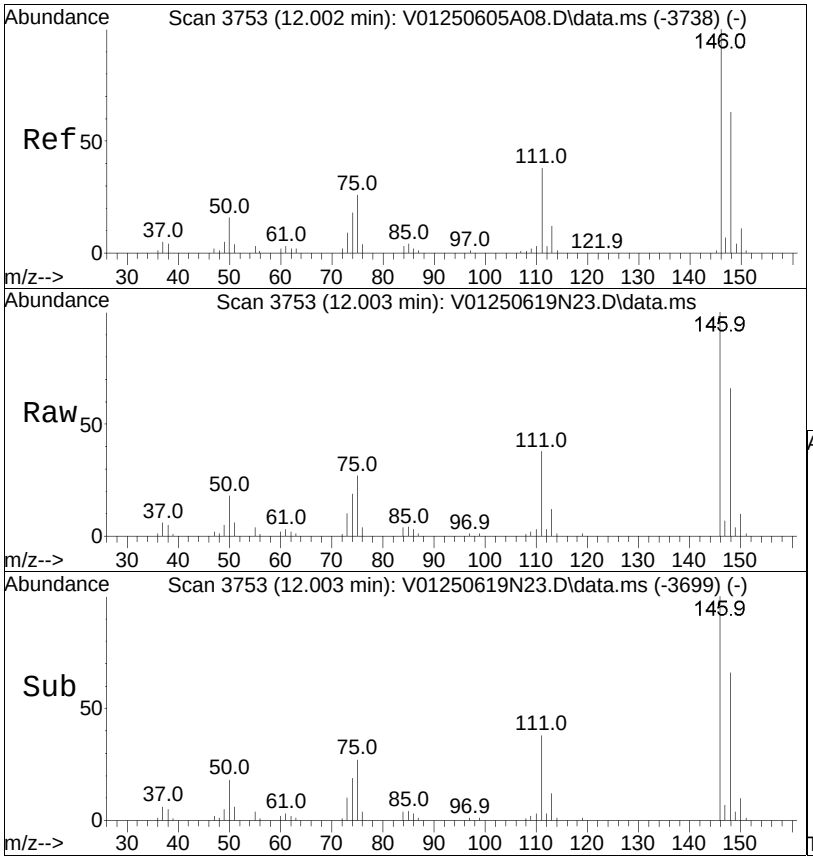


#99
p-Isopropyltoluene
Concen: 8.97 ug/L
RT: 11.933 min Scan# 3728
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:119 Resp: 192994

Ion	Ratio	Lower	Upper
119	100		
134	26.5	17.8	37.0
91	22.0	14.5	30.1

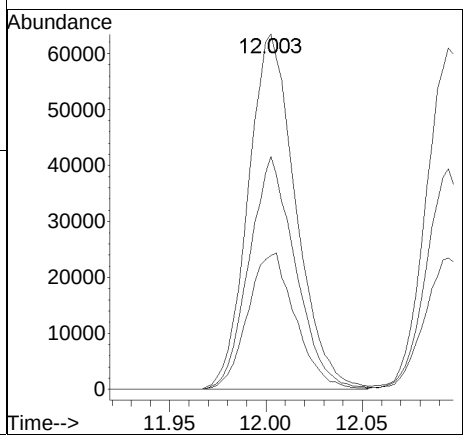


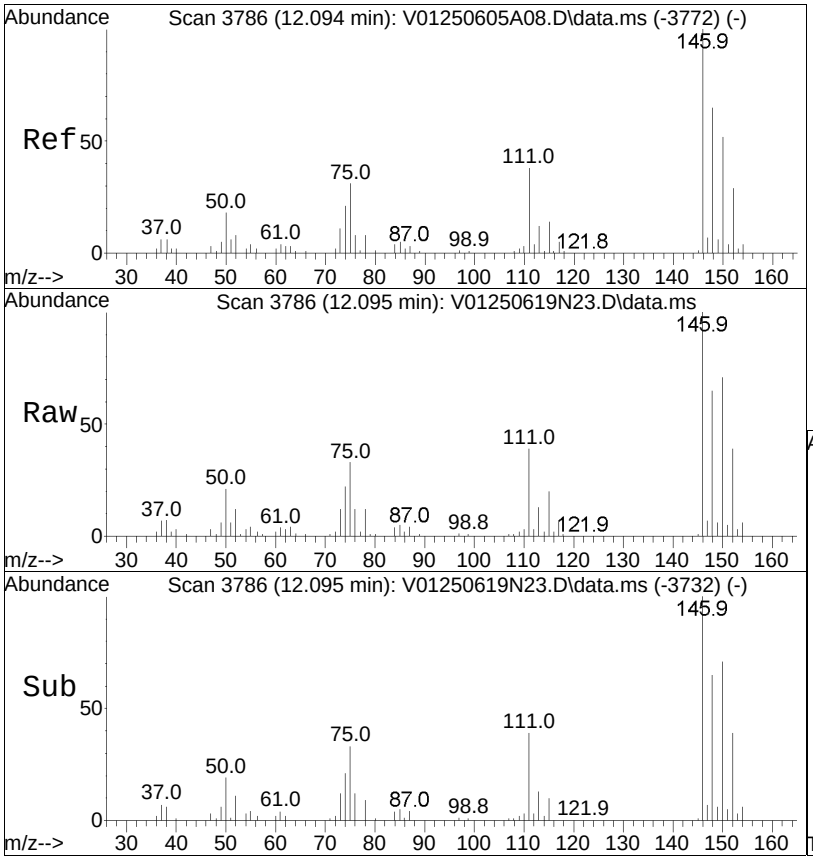


#100
1,3-Dichlorobenzene
Concen: 9.46 ug/L
RT: 12.003 min Scan# 3753
Delta R.T. 0.001 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:146 Resp: 109094

Ion	Ratio	Lower	Upper
146	100		
111	38.6	25.2	52.4
148	63.7	41.3	85.9

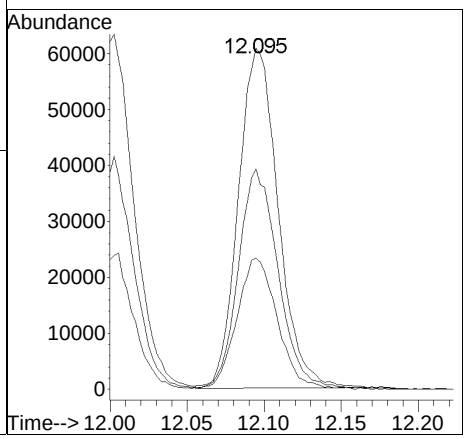


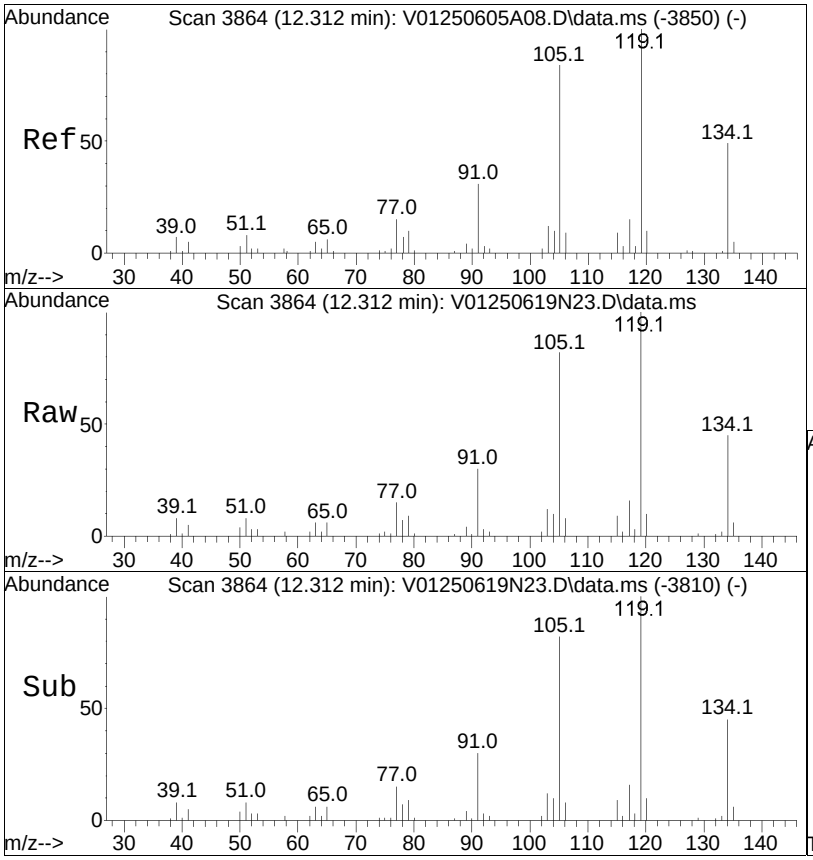


#101
1,4-Dichlorobenzene
Concen: 9.22 ug/L
RT: 12.095 min Scan# 3786
Delta R.T. 0.001 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:146 Resp: 109326

Ion	Ratio	Lower	Upper
146	100		
111	39.5	30.1	45.1
148	63.7	50.8	76.2

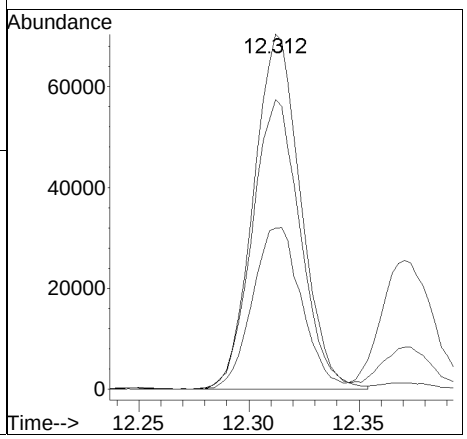


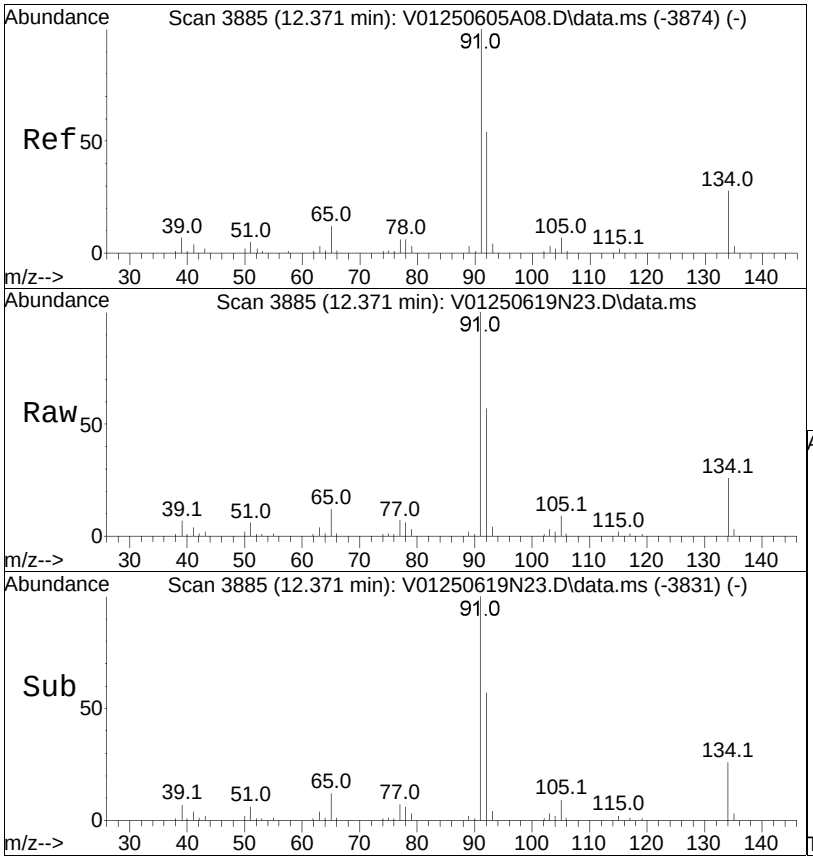


#102
p-Diethylbenzene
Concen: 8.55 ug/L
RT: 12.312 min Scan# 3864
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:119 Resp: 104857

Ion	Ratio	Lower	Upper
119	100		
105	83.1	53.6	111.4
134	47.6	30.7	63.9

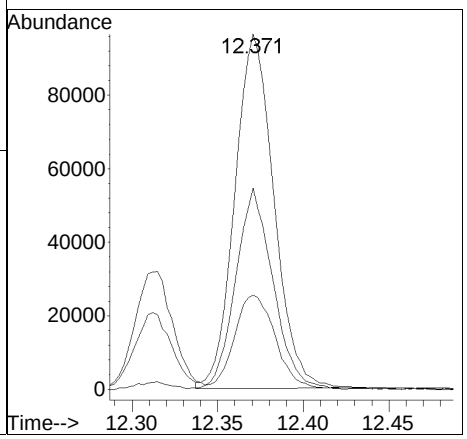


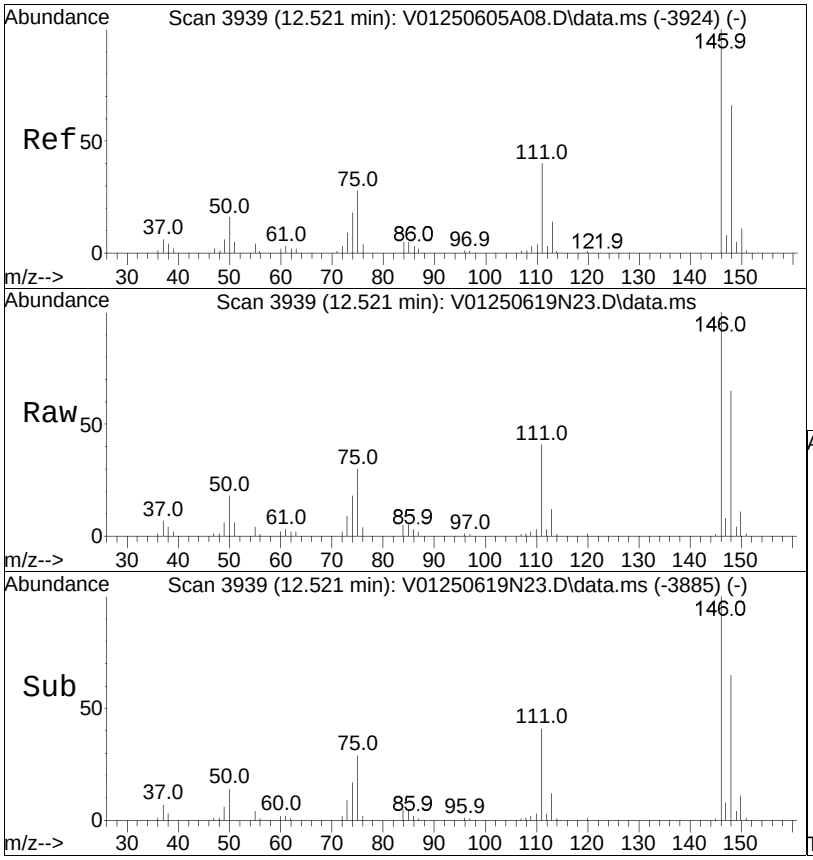


#103
n-Butylbenzene
Concen: 8.99 ug/L
RT: 12.371 min Scan# 3885
Delta R.T. -0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion: 91 Resp: 153255

Ion	Ratio	Lower	Upper
91	100		
92	53.6	44.4	66.6
134	28.0	23.2	34.8

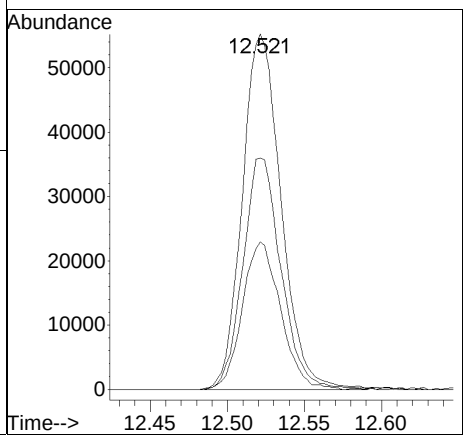


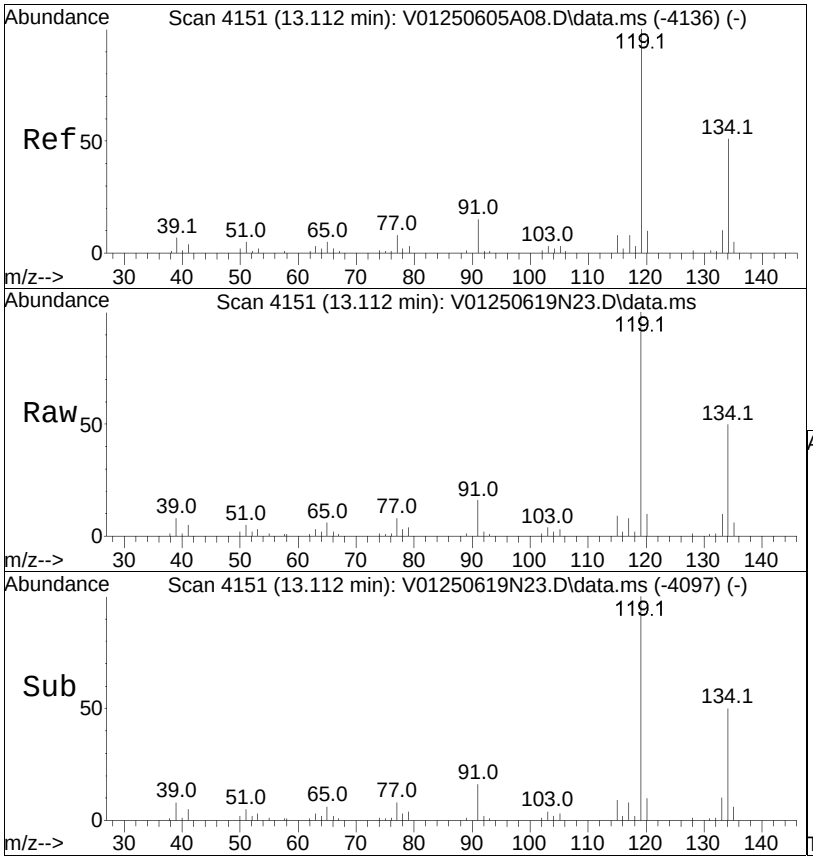


#104
1,2-Dichlorobenzene
Concen: 9.46 ug/L
RT: 12.521 min Scan# 3939
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:146 Resp: 96727

Ion	Ratio	Lower	Upper
146	100		
111	40.8	26.2	54.4
148	64.0	41.5	86.3

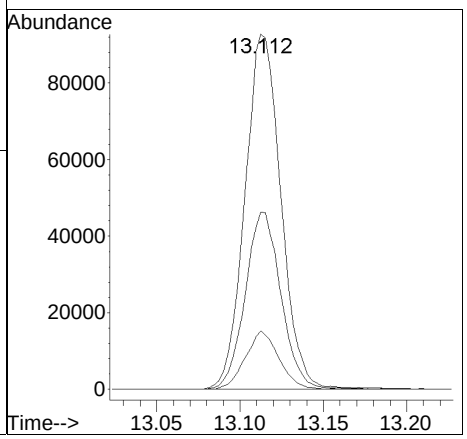


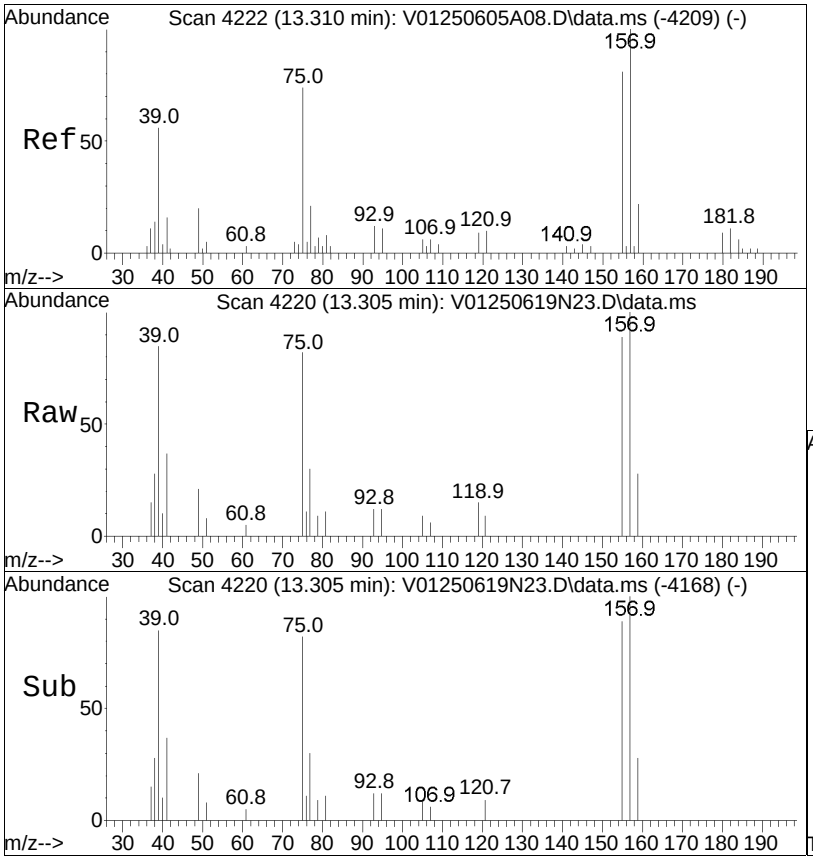


#105
1,2,4,5-Tetramethylbenzene
Concen: 8.07 ug/L
RT: 13.112 min Scan# 4151
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:119 Resp: 139628

Ion	Ratio	Lower	Upper
119	100		
134	49.4	32.3	67.1
91	15.4	9.8	20.3

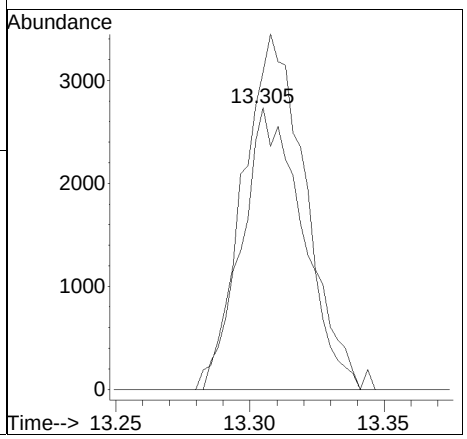


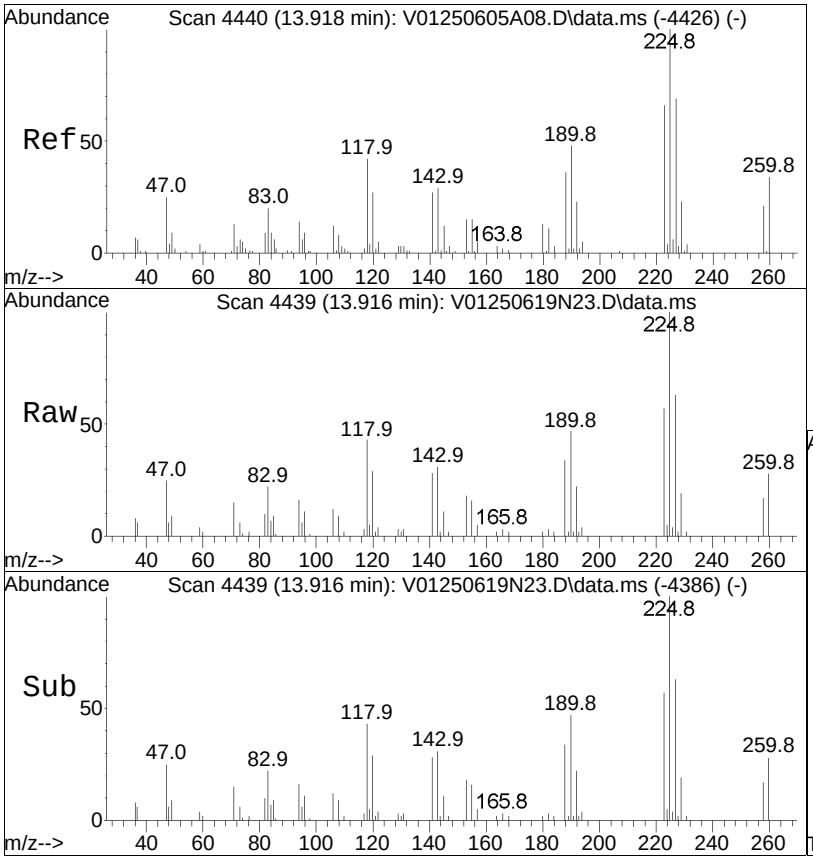


#106
1,2-Dibromo-3-chloropropane
Concen: 6.80 ug/L
RT: 13.305 min Scan# 4220
Delta R.T. -0.005 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:155 Resp: 4304

Ion	Ratio	Lower	Upper
155	100		
157	130.7	104.3	156.5

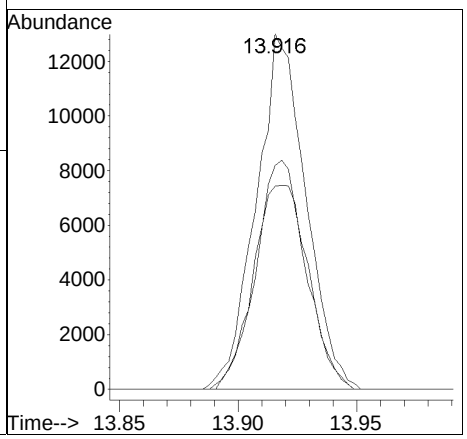


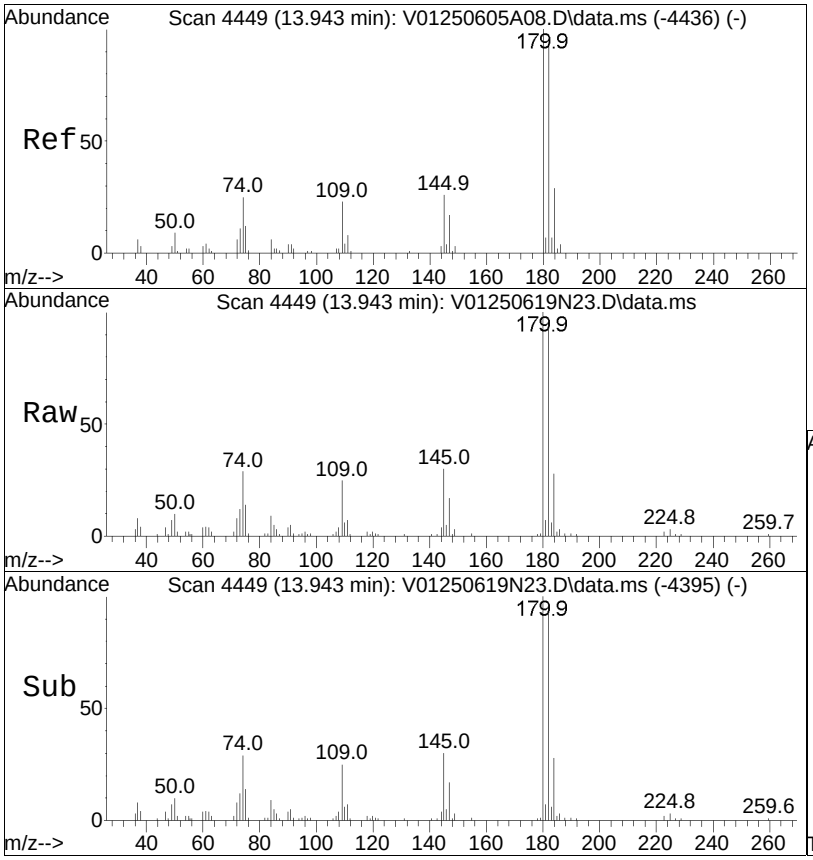


#108
Hexachlorobutadiene
Concen: 7.55 ug/L
RT: 13.916 min Scan# 4439
Delta R.T. -0.002 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:225 Resp: 18966

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.8	76.2
227	65.3	51.8	77.8

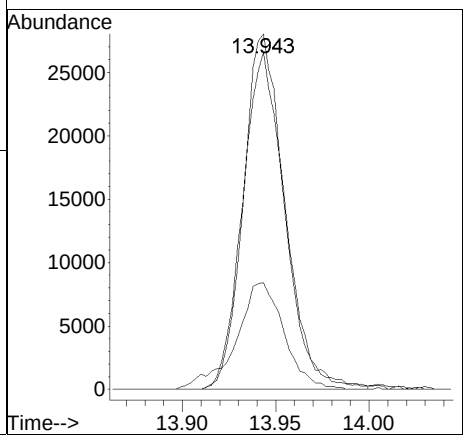


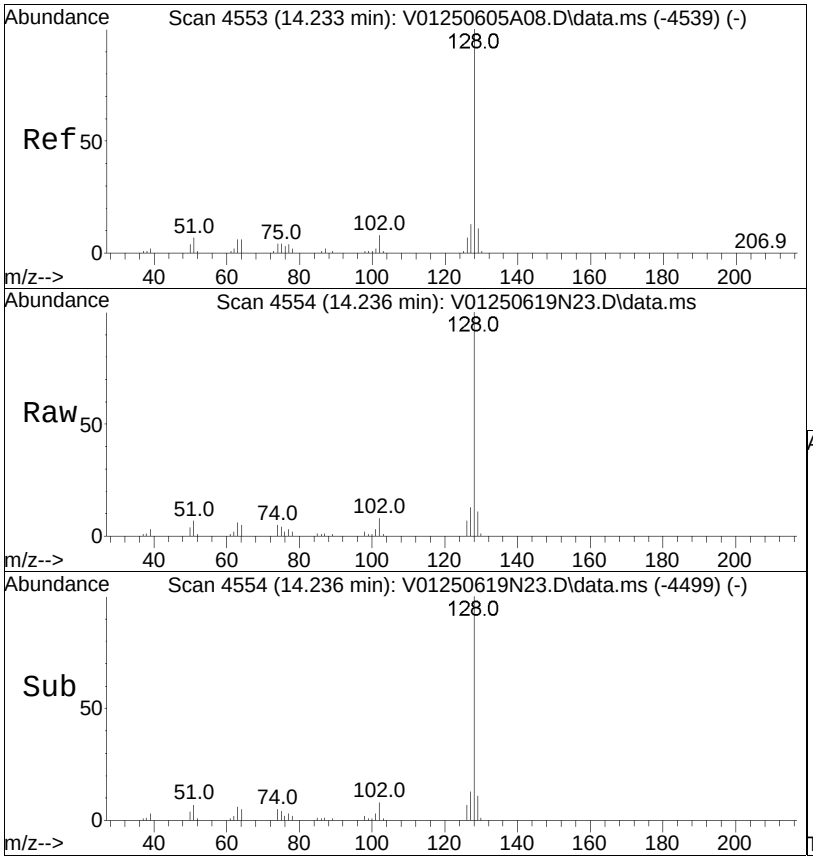


#109
1,2,4-Trichlorobenzene
Concen: 7.99 ug/L
RT: 13.943 min Scan# 4449
Delta R.T. 0.000 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:180 Resp: 44182

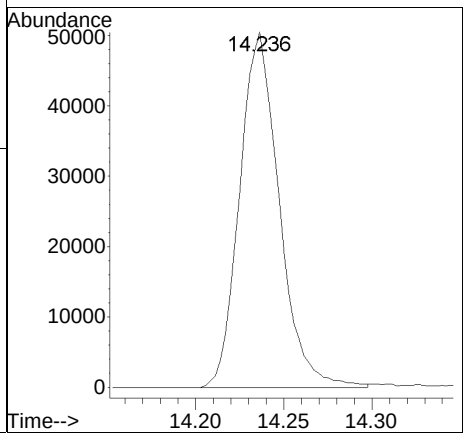
Ion	Ratio	Lower	Upper
180	100		
182	93.1	77.2	115.8
145	34.2	26.1	39.1

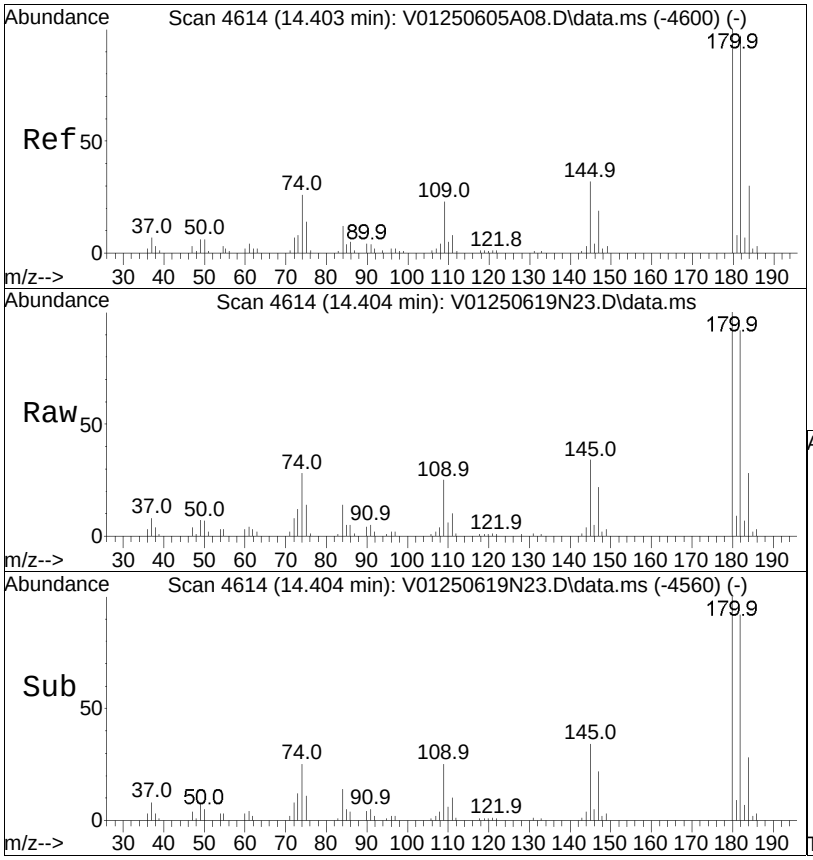




#110
Naphthalene
Concen: 7.90 ug/L
RT: 14.236 min Scan# 4554
Delta R.T. 0.003 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:128 Resp: 78967

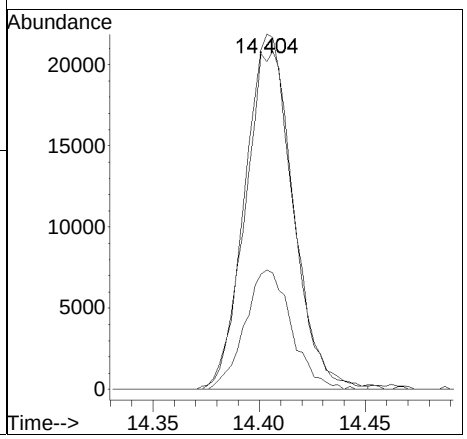




#111
1,2,3-Trichlorobenzene
Concen: 8.14 ug/L
RT: 14.404 min Scan# 4614
Delta R.T. 0.001 min
Lab File: V01250619N23.D
Acq: 20 Jun 2025 5:44 am

Tgt Ion:180 Resp: 34428

Ion	Ratio	Lower	Upper
180	100		
182	95.7	78.1	117.1
145	32.6	25.3	37.9



Manual Integration Report

Data Path	: K:\VOA101\2025\250619A\	QMethod	: V101_250605A_8260.m
Data File	: V01250619N23.D	Operator	: VOA101:MJV
Date Inj'd	: 6/20/2025 5:44 am	Instrument	: VOA 101
Sample	: WG2081999-7,31,10,10,,a2	Quant Date	: 6/22/2025 11:46 am

There are no manual integrations or false positives in this file.

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * Uf * (1/Vo)

Where:
DF = Dilution Factor
Vo = Sample Volume Purged (mL)
Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: Amt * DF * (1/Wt)

Where:
DF = Dilution Factor
Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 28 2025, 09:47 am

Work Group: WG2081757 for Department: 31 GC/MS - Volatiles

Created: 21-JUN-25 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2535869-05	MW-8S	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-06	MW-8D	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-07	MW-4S	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-08	MW-4D	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-09	MW-5S	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-10	MW-5D	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-11	MW-1S	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-12	MW-1D	C	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2535869-13	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0623	0623	S0	Vial-B
L2536135-04	GW-1	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536135-05	GW-2	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536135-06	GW-3	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-09	MW-05B	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-10	MW-05A	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-11	MW-08B	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-13	MW-02A	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-14	MW-02B	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-15	MW-03B	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-16	MW-03A	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
WG2081757-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2081757-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2081757-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2081757-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2081757-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2081757-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2081757-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2081757-4	WG2081757-3
WG2081757-6	L2535869-07
WG2081757-7	L2535869-07

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 28 2025, 09:47 am

Work Group: WG2081999 for Department: 31 GC/MS - Volatiles

Created: 22-JUN-25 Due: Operator: mjv

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2536247-12	MW-08A	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-17	MW-04A	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-18	MW-04B	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-19	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536247-20	DUP001	S	NYTCL-8260	WATER	DONE	U	0623	0624	S0	Vial-B
L2536571-04	MW-07	S	NYTCL-8260-R2	WATER	DONE	U	0624	0620	S0	Vial-B
L2537087-05	DUP01_20250612	S	NYTCL-8260	WATER	DONE	U	0626	0623	S0	Vial-B
L2537087-06	FB01_20250612	S	NYTCL-8260	WATER	DONE	U	0626	0623	S0	Vial-B
L2537087-07	TB01_20250612	S	NYTCL-8260	WATER	DONE	U	0626	0623	S0	Vial-B
L2537672-11	TRIP BLANK	S	NYTCL-8260	WATER	DONE	U	0630	0623	1A	Vial-B
L2537760-01	TW-01	S	NYTCL-8260-R2	WATER	DONE	U	0630	0623	3E	Vial-B
L2537760-02	TW-02	S	NYTCL-8260-R2	WATER	DONE	U	0630	0623	3E	Vial-B
L2537760-03	TW-03	S	NYTCL-8260-R2	WATER	DONE	U	0630	0623	3E	Vial-B
L2537760-04	TW-04	S	NYTCL-8260-R2	WATER	DONE	U	0630	0623	3E	Vial-B
WG2081999-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2081999-1	MS BFB Tune Standard	S	NYTCL-8260-R2	WATER	DONE	U				
WG2081999-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2081999-2	Continuing Calibrati	S	NYTCL-8260-R2	WATER	DONE	U				
WG2081999-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2081999-3	Laboratory Control S	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2081999-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2081999-4	LCS Duplicate	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2081999-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				
WG2081999-5	Laboratory Method Bl	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2081999-6	Matrix Spike	S	NYTCL-8260	WATER	DONE	U				
WG2081999-6	Matrix Spike	S	NYTCL-8260-R2	WATER	DACQ	U				
WG2081999-7	Matrix Spike Duplica	S	NYTCL-8260	WATER	DONE	U				
WG2081999-7	Matrix Spike Duplica	S	NYTCL-8260-R2	WATER	DACQ	U				

Comments:

WG2081999-4	WG2081999-3
WG2081999-6	L2536247-12
WG2081999-7	L2536247-12

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 28 2025, 09:47 am

Work Group: WG2082353 for Department: 31 GC/MS - Volatiles

Created: 23-JUN-25 Due: Operator: PID

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2536247-01	MW-06A	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-02	MW-06B	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-03	MW-07A	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-04	MW-07B	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-05	MW-10B	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-06	MW-10A	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-07	MW-09A	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2536247-08	MW-09B	S	NYTCL-8260	WATER	DONE	U	0624	0624	S0	Vial-B
L2537839-03	FIELD BLANK 2025-6-13	S	NYTCL-8260	WATER	DONE	U	0627	0624	S0	Vial-B
L2538625-07	TRIP BLANK	S	NYTCL-8260	WATER	SEC	U	0618	0701	1A	Vial-B
WG2082353-1	MS BFB Tune Standard	S	NYTCL-8260	WATER	DONE	U				
WG2082353-2	Continuing Calibrati	S	NYTCL-8260	WATER	DONE	U				
WG2082353-3	Laboratory Control S	S	NYTCL-8260	WATER	DONE	U				
WG2082353-4	LCS Duplicate	S	NYTCL-8260	WATER	DONE	U				
WG2082353-5	Laboratory Method Bl	S	NYTCL-8260	WATER	DONE	U				

Comments:

WG2082353-4 WG2082353-3

		Method	
Inst: VOA130	BFB: V11162	GC: 8260	
Initials: TMS	IS/SS: V11187	Autosampler: 8260	
Date: **05/21/25**	ICAL: V11192A,V11188	Concentrator: 8260	
Run: **A**	ICV: V11180,V11143,V11190,V11157,V11156,V11144	QC:_____	Seq:_____

Vial	Data File	SAMPLE	pH<2
1	V30250521ABF1	BFB TUNE	
1	V30250521A01	BLK	
2	V30250521A02	BLK	
3	V30250521A03	I8260STD0.19PPB	
4	V30250521A04	I8260STD0.19PPB	
5	V30250521A05	I8260STD0.5PPB	
6	V30250521A06	I8260STD0.5PPB	
7	V30250521A07	I8260STD2PPB	
8	V30250521A08	I8260STD2PPB	
9	V30250521A09	I8260STD10PPB	
10	V30250521A10	I8260STD30PPB	
11	V30250521A11	I8260STD80PPB	
12	V30250521A12	I8260STD120PPB	
13	V30250521A13	I8260STD200PPB	
14	V30250521A14	BLK	
15	V30250521A15	BLK	
16	V30250521A16	BLK	
17	V30250521A17	BLK	
18	V30250521A18	C8260STD10PPB	
19	V30250521A19	C8260STD10PPB	
20	V30250521A20	BLK	
21	V30250521A21	METHOD BLK	
22	V30250521A22	MDL 0.19PPB	
23	V30250521A23	MDL 0.19PPB	
24	V30250521A24	MDL 0.5PPB	
25	V30250521A25	MDL 0.5PPB	
26	V30250521A26	MDL 2PPB	
27	V30250521A27	MDL 2PPB	
28	V30250521A28	BLK	

Inst: Elaine
Initials: TMS
Date: **05/23/25**
Run: **A**

BFB: V11162
IS/SS: V11160
ICAL: V11192B,V11188
ICV: V11180, V11196, V11190, V11157, V11156, V11197

Method
GC: 8260-SPLIT
Autosampler: 8260
Concentrator: 8260

QC:_____ Seq:_____

Vial	Data File	Sample	obs
1	VE250523ABF3	BFB TUNE	
1	VE250523A01	BLK	
2	VE250523A02	BLK	
3	VE250523A03	I8260STD0.19PPB	
4	VE250523A04	I8260STD0.19PPB	
5	VE250523A05	I8260STD0.5PPB	
6	VE250523A06	I8260STD0.5PPB	
7	VE250523A07	I8260STD2PPB	
8	VE250523A08	I8260STD2PPB	
9	VE250523A09	I8260STD10PPB	
10	VE250523A10	I8260STD30PPB	
11	VE250523A11	I8260STD80PPB	
12	VE250523A12	I8260STD120PPB	
13	VE250523A13	I8260STD200PPB	
14	VE250523A14	BLK	
15	VE250523A15	BLK	
16	VE250523A16	BLK	
17	VE250523A17	BLK	
18	VE250523A18	C8260STD10PPB	
19	VE250523A19	C8260STD10PPB	
20	VE250523A20	BLK	
21	VE250523A21	METHOD BLK	
22	VE250523A22	MDL 0.19PPB	
23	VE250523A23	MDL 0.19PPB	
24	VE250523A24	MDL 0.5PPB	
25	VE250523A25	MDL 0.5PPB	
26	VE250523A26	MDL 2PPB	
27	VE250523A27	MDL 2PPB	
28	VE250523A28	BLK	

Method

Inst: VOA101 BFB: V11220 GC: 8260

Initials: PID IS/SS: V11187 Autosampler: 8260water

Date: **06/05/25** ICAL: V11214B,V11225 Concentrator: 8260water

Run: **A** ICV: V11180, V11196, V11199, V11217, V11216, V11197 QC: _____ Seq: _____

Vial	DATA FILE	SAMPLE	
1	V01250605ABF1	BFB TUNE 12:46	
1	V01250605A01	BLK	
2	V01250605A02	BLK	
3	V01250605A03	I8260STD0.19PPB	
4	V01250605A04	I8260STD0.5PPB	
5	V01250605A05	I8260STD0.5PPB	
6	V01250605A06	I8260STD2PPB	
7	V01250605A07	I8260STD2PPB	
8	V01250605A08	I8260STD10PPB	
9	V01250605A09	I8260STD30PPB	
10	V01250605A10	I8260STD80PPB	
11	V01250605A11	I8260STD120PPB	
12	V01250605A12	I8260STD200PPB	
13	V01250605A13	BLK	
14	V01250605A14	BLK	
15	V01250605A15	BLK	
16	V01250605A16	BLK	
17	V01250605A17	C8260STD10PPB	
18	V01250605A18	C8260STD10PPB	
19	V01250605A19	BLK	
20	V01250605A20	BLK	
21	V01250605A21	MDL METHOD BLK	
22	V01250605A22	MDL L11	
23	V01250605A23	MDL L11	
24	V01250605A24	MDL L1	
25	V01250605A25	MDL L1	
26	V01250605A26	MDL L2	
27	V01250605A27	MDL L2	
28	V01250605A28	BLK	

Inst: Elaine BFB: V11220 Method GC: 8260-SPLIT
Initials: PID IS/SS: V11228 Autosampler: 8260
Date: **06/19/25** ICAL: V11214D,V11236 Concentrator: 8260
Run: **A** QC:_____ Seq:_____

Vial	Data File	Sample		obs
1	VE250619ABF1	BFB TUNE 09:33		
1	VE250619A01	8260 CCAL LCS		
2	VE250619A02	8260 CCAL LCSD		
3	VE250619A03	8260 CCAL		
4	VE250619A04	BLK		
5	VE250619A05	METHOD BLK		
6	VE250619A06	L2537988-01,31,10,10,,A,R3C	PA/SHORT	pH<2
7	VE250619A07	L2535869-05,31,10,10,,A	NYTCL	pH<2
8	VE250619A08	L2535869-06,31,10,10,,A	NYTCL	pH<2
9	VE250619A09	L2535869-07,31,10,10,,A	NYTCL	pH<2
10	VE250619A10	L2535869-08,31,10,10,,A	NYTCL	pH<2
11	VE250619A11	L2535869-09,31,10,10,,A	NYTCL	pH<2
12	VE250619A12	L2535869-10,31,10,10,,A	NYTCL	pH<2
13	VE250619A13	L2535869-11,31,10,10,,A	NYTCL	pH<2
14	VE250619A14	L2535869-12,31,10,10,,A	NYTCL	pH<2
15	VE250619A15	L2535869-13,31,10,10,,A	NYTCL TB	pH<2
16	VE250619A16	L2536135-04,31,10,10,,A	NYTCL	pH<2
17	VE250619A17	L2536135-05,31,10,10,,A	NYTCL	pH<2
18	VE250619A18	L2536135-06D,31,5.0,10,,A	NYTCL	pH<2
19	VE250619A19	L2536247-09,31,10,10,,A	NYTCL	pH<2
20	VE250619A20	L2536247-10,31,10,10,,A	NYTCL	pH<2
21	VE250619A21	L2536247-11,31,10,10,,C	NYTCL	pH<2
22	VE250619A22	L2536247-13,31,10,10,,A	NYTCL	pH<2
23	VE250619A23	L2536247-14,31,10,10,,A	NYTCL	pH<2
24	VE250619A24	L2536247-15,31,10,10,,A	NYTCL	pH<2
25	VE250619A25	L2536247-16,31,10,10,,A	NYTCL	pH<2
26	VE250619A26	L2535869-07MS,31,10,10,,A1	NYTCL	pH<2
27	VE250619A27	L2535869-07MSD,31,10,10,,A2	NYTCL	pH<2
28	VE250619A28	HBM		
29	VE250619A29	BLK		

Inst: VOA101 BFB: V11220 Method GC: 8260
Initials: PID IS/SS: V11248 Autosampler: 8260water
Date: **06/19/25** ICAL: V11214D,V11236 Concentrator: 8260water
Run: **N** QC: _____ Seq:

Vial	DATA FILE	SAMPLE			
28	V01250619N01	BFB TUNE/BLK			
29	V01250619N02	8260 CCAL			
30	V01250619N03	8260 CCAL			
31	V01250619N04	8260 CCAL			
32	V01250619N05	BLK			
33	V01250619N06	METHOD BLK			
34	V01250619N07	I2536247-12,31,10,10,,a	NYTCL		pH<2
35	V01250619N08	I2536247-17,31,10,10,,a	NYTCL		pH<2
36	V01250619N09	I2536247-18,31,10,10,,a	NYTCL		pH<2
37	V01250619N10	I2536247-19,31,10,10,,a	NYTCL	TB	pH<2
38	V01250619N11	I2536247-20,31,10,10,,a	NYTCL		pH<2
39	V01250619N12	L2536571-01d,31,0.1,10,,A	NY/R2		pH<2
40	V01250619N13	I2536571-04,31,10,10,,a	NY/R2		pH<2
41	V01250619N14	I2537760-01,31,10,10,,a,r3e	NY/R2		pH<2
42	V01250619N15	I2537760-02,31,10,10,,a,r3e	NY/R2		pH>2
43	V01250619N16	I2537760-03,31,10,10,,a,r3e	NY/R2		pH<2
44	V01250619N17	I2537760-04,31,10,10,,a,r3e	NY/R2		pH<2
45	V01250619N18	I2537672-11,31,10,10,,a,r1a	NYTCL	TB	pH<2
46	V01250619N19	I2537087-05,31,10,10,,a	NYTCL		pH<2
47	V01250619N20	I2537087-06,31,10,10,,a	NYTCL	FB	pH<2
48	V01250619N21	I2537087-07,31,10,10,,a	NYTCL	TB	pH<2
49	V01250619N22	I2536247-12MS,31,10,10,,a1	NYTCL		pH<2
50	V01250619N23	I2536247-12MSD,31,10,10,,a2	NYTCL		pH<2
51	V01250619N24	BLK			

Inst: VOA130 BFB: V11220 Method GC: 8260
Initials: PID IS/SS: V11228 Autosampler: 8260
Date: **06/20/25** ICAL: V11254A,V11257,V11227 Concentrator: 8260
Run: **B** QC:_____ Seq:_____

Vial	Data File	SAMPLE			pH<2
1	V30250620BBF1	BFB TUNE 10:07			
1	V30250620B01	SIM CCAL QC FAILS			
2	V30250620B02	SIM CCAL LCS			
3	V30250620B03	SIM CCAL LCSD			
4	V30250620B04	8260 CCAL QC FAILS			
5	V30250620B05	8260 CCAL LCS			
6	V30250620B06	8260 CCAL LCSD			
7	V30250620B07	BLK			
8	V30250620B08	METHOD BLK			
9	V30250620B09	L2537839-03,31,10,10,,A	NYTCL/10	FB	pH<2
10	V30250620B10	L2538625-07,31,10,10,,A,R1A	NYTCL	TB	pH<2
11	V30250620B11	L2536247-01,31,10,10,,A	NYTCL		pH<2
12	V30250620B12	L2536247-02,31,10,10,,A	NYTCL		pH<2
13	V30250620B13	L2536247-03,31,10,10,,A	NYTCL		pH<2
14	V30250620B14	L2536247-04,31,10,10,,A	NYTCL		pH<2
15	V30250620B15	L2536247-05,31,10,10,,A	NYTCL		pH<2
16	V30250620B16	L2536247-06,31,10,10,,A	NYTCL		pH<2
17	V30250620B17	L2536247-07,31,10,10,,A	NYTCL		pH<2
18	V30250620B18	L2536247-08,31,10,10,,A	NYTCL		pH<2
19	V30250620B19	L2536434-08,31,10,10,,A	8260SUB	FB	pH<2
20	V30250620B20	L2536434-10,31,10,10,,A	8260SUB	TB	pH<2
21	V30250620B21	L2536434-01,31,10,10,,A	8260SUB		pH<2
22	V30250620B22	L2536434-02,31,10,10,,A	8260SUB		pH<2
23	V30250620B23	L2536434-03,31,10,10,,A	8260SUB		pH<2
24	V30250620B24	L2536434-05,31,10,10,,A	8260SUB		pH<2
25	V30250620B25	L2536434-06,31,10,10,,A	8260SUB		pH<2
26	V30250620B26	L2536434-07,31,10,10,,A	8260SUB		pH<2
27	V30250620B27	L2536434-09,31,10,10,,A	8260SUB		pH<2
28	V30250620B28	L2536434-04,31,10,10,,A	8260SUB		pH<2
29	V30250620B29	HBM			
30	V30250620B30	BLK			
31	V30250620B31	BLK			

ATTACHMENT E

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Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2078863-2 **Analysis Date** : 06/15/25 20:34	**File ID**	: 078863-2
LCSD Sample ID	: WG2078863-3 **Analysis Date** : 06/15/25 20:57	**File ID**	: 078863-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	12.	58		20	12.	62	7	37-111	30
1,2,4-Trichlorobenzene	20	8.5	42		20	10.	50	17	39-98	30
Hexachlorobenzene	20	12.	61		20	14.	68	11	40-140	30
Bis(2-chloroethyl)ether	20	11.	56		20	13.	65	15	40-140	30
2-Chloronaphthalene	20	11.	54		20	12.	62	14	40-140	30
1,2-Dichlorobenzene	20	8.4	42		20	11.	53	23	40-140	30
1,3-Dichlorobenzene	20	7.8	39	Q	20	10.	50	25	40-140	30
1,4-Dichlorobenzene	20	7.8	39		20	10.	52	29	36-97	30
3,3'-Dichlorobenzidine	20	6.6	33	Q	20	8.7	44	29	40-140	30
2,4-Dinitrotoluene	20	13.	67		20	15.	76	13	48-143	30
2,6-Dinitrotoluene	20	13.	65		20	16.	78	18	40-140	30
Fluoranthene	20	13.	65		20	14.	72	10	40-140	30
4-Chlorophenyl phenyl ether	20	12.	63		20	13.	67	6	40-140	30
4-Bromophenyl phenyl ether	20	13.	64		20	14.	69	8	40-140	30
Bis(2-chloroisopropyl)ether	20	11.	53		20	12.	60	12	40-140	30
Bis(2-chloroethoxy)methane	20	11.	55		20	12.	58	5	40-140	30
Hexachlorobutadiene	20	7.3	36	Q	20	9.4	47	27	40-140	30
Hexachlorocyclopentadiene	20	7.6	38	Q	20	9.7	48	23	40-140	30
Hexachloroethane	20	6.8	34	Q	20	9.3	47	32 Q	40-140	30
Isophorone	20	11.	53		20	12.	62	16	40-140	30
Naphthalene	20	9.8	49		20	12.	60	20	40-140	30
Nitrobenzene	20	12.	62		20	14.	71	14	40-140	30
NDPA/DPA	20	12.	62		20	14.	69	11	40-140	30
n-Nitrosodi-n-propylamine	20	11.	57		20	13.	65	13	29-132	30
Bis(2-ethylhexyl)phthalate	20	12.	58		20	13.	65	11	40-140	30
Butyl benzyl phthalate	20	14.	68		20	15.	73	7	40-140	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2078863-2 Analysis Date : 06/15/25 20:34	**File ID**	: 078863-2
LCSD Sample ID	: WG2078863-3 Analysis Date : 06/15/25 20:57	**File ID**	: 078863-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R		RPD	Recovery Limits	RPD Limit
Di-n-butylphthalate	20	12.	61		20	14.	68		11	40-140	30
Di-n-octylphthalate	20	13.	64		20	14.	68		6	40-140	30
Diethyl phthalate	20	13.	64		20	14.	71		10	40-140	30
Dimethyl phthalate	20	12.	60		20	14.	69		14	40-140	30
Benzo(a)anthracene	20	13.	63		20	14.	69		9	40-140	30
Benzo(a)pyrene	20	12.	62		20	14.	69		11	40-140	30
Benzo(b)fluoranthene	20	12.	61		20	13.	66		8	40-140	30
Benzo(k)fluoranthene	20	13.	67		20	15.	75		11	40-140	30
Chrysene	20	13.	66		20	14.	71		7	40-140	30
Acenaphthylene	20	11.	56		20	13.	65		15	45-123	30
Anthracene	20	12.	62		20	14.	70		12	40-140	30
Benzo(ghi)perylene	20	13.	64		20	14.	70		9	40-140	30
Fluorene	20	13.	64		20	14.	71		10	40-140	30
Phenanthrene	20	13.	64		20	14.	71		10	40-140	30
Dibenzo(a,h)anthracene	20	12.	63		20	14.	72		13	40-140	30
Indeno(1,2,3-cd)pyrene	20	12.	62		20	14.	69		11	40-140	30
Pyrene	20	13.	64		20	14.	70		9	26-127	30
Biphenyl	20	11.	57		20	13.	67		16	40-140	30
4-Chloroaniline	20	6.5	32	Q	20	7.4	37	Q	14	40-140	30
2-Nitroaniline	20	14.	71		20	16.	81		13	52-143	30
3-Nitroaniline	20	14.	68		20	15.	74		8	25-145	30
4-Nitroaniline	20	14.	69		20	16.	79		14	51-143	30
Dibenzofuran	20	12.	58		20	13.	64		10	40-140	30
2-Methylnaphthalene	20	10.	52		20	12.	61		16	40-140	30
1,2,4,5-Tetrachlorobenzene	20	11.	53		20	12.	62		16	2-134	30
Acetophenone	20	12.	63		20	14.	68		8	39-129	30

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2078863-2 **Analysis Date** : 06/15/25 20:34	**File ID**	: 078863-2
LCSD Sample ID	: WG2078863-3 **Analysis Date** : 06/15/25 20:57	**File ID**	: 078863-3

	Laboratory Control Sample			Laboratory Control Duplicate						
Parameter	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R	RPD		Recovery Limits	RPD Limit
2,4,6-Trichlorophenol	20	12.	60	20	14.	69	14		30-130	30
p-Chloro-m-cresol	20	10.	50	20	11.	57	13		23-97	30
2-Chlorophenol	20	10.	52	20	13.	63	19		27-123	30
2,4-Dichlorophenol	20	12.	61	20	13.	66	8		30-130	30
2,4-Dimethylphenol	20	8.0	40	20	11.	55	32	Q	30-130	30
2-Nitrophenol	20	14.	68	20	15.	75	10		30-130	30
4-Nitrophenol	20	10.	51	20	11.	57	11		10-80	30
2,4-Dinitrophenol	20	15.	77	20	18.	90	16		20-130	30
4,6-Dinitro-o-cresol	20	16.	82	20	17.	87	6		20-164	30
Pentachlorophenol	20	14.	68	20	15.	77	12		9-103	30
Phenol	20	6.1	30	20	6.9	34	13		12-110	30
2-Methylphenol	20	8.1	40	20	9.2	46	14		30-130	30
3-Methylphenol/4-Methylphenol	20	10.	52	20	12.	59	13		30-130	30
2,4,5-Trichlorophenol	20	13.	64	20	15.	77	18		30-130	30
Benzoic Acid	20	15.	74	20	15.	75	1		10-164	30
Benzyl Alcohol	20	11.	56	20	13.	63	12		26-116	30
Carbazole	20	12.	61	20	14.	69	12		55-144	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/16/25 03:34
Matrix Spike	: WG2078863-4	**MS Analysis Date**	: 06/16/25 02:48
Matrix Spike Dup	: WG2078863-5	**MSD Analysis Date**	: 06/16/25 03:11

		Matrix Spike Sample				Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R		Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
1,2,4-Trichlorobenzene	ND	20	12.	60		20	8.7	44	32 Q	39-98	30
Bis(2-chloroethyl)ether	ND	20	15.	75		20	12.	60	22	40-140	30
1,2-Dichlorobenzene	ND	20	12.	60		20	9.0	45	29	40-140	30
1,3-Dichlorobenzene	ND	20	11.	55		20	8.7	44	23	40-140	30
1,4-Dichlorobenzene	ND	20	11.	55		20	8.8	44	22	36-97	30
3,3'-Dichlorobenzidine	ND	20	6.7	34	Q	20	8.9	45	28	40-140	30
2,4-Dinitrotoluene	ND	20	17.	85		20	16.	80	6	48-143	30
2,6-Dinitrotoluene	ND	20	18.	90		20	16.	80	12	40-140	30
4-Chlorophenyl phenyl ether	ND	20	15.	75		20	14.	70	7	40-140	30
4-Bromophenyl phenyl ether	ND	20	15.	75		20	13.	65	14	40-140	30
Bis(2-chloroisopropyl)ether	ND	20	14.	70		20	12.	60	15	40-140	30
Bis(2-chloroethoxy)methane	ND	20	14.	70		20	12.	60	15	40-140	30
Hexachlorocyclopentadiene	ND	20	11.J	55		20	8.1J	41	30	40-140	30
Isophorone	ND	20	14.	70		20	13.	65	7	40-140	30
Nitrobenzene	ND	20	17.	85		20	14.	70	19	40-140	30
NDPA/DPA	ND	20	16.	80		20	14.	70	13	40-140	30
n-Nitrosodi-n-propylamine	ND	20	15.	75		20	14.	70	7	29-132	30
Bis(2-ethylhexyl)phthalate	ND	20	15.	75		20	14.	70	7	40-140	30
Butyl benzyl phthalate	ND	20	16.	80		20	16.	80	0	40-140	30
Di-n-butylphthalate	ND	20	15.	75		20	14.	70	7	40-140	30
Di-n-octylphthalate	ND	20	16.	80		20	15.	75	6	40-140	30
Diethyl phthalate	ND	20	15.	75		20	14.	70	7	40-140	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/16/25 03:34
Matrix Spike	: WG2078863-4	**MS Analysis Date**	: 06/16/25 02:48
Matrix Spike Dup	: WG2078863-5	**MSD Analysis Date**	: 06/16/25 03:11

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Dimethyl phthalate	ND	20	16.	80	20	13.	65	21	40-140	30
Biphenyl	ND	20	16.	80	20	13.	65	21	40-140	30
4-Chloroaniline	ND	20	9.1	46	20	8.3	42	9	40-140	30
2-Nitroaniline	ND	20	19.	95	20	17.	85	11	52-143	30
3-Nitroaniline	ND	20	16.	80	20	15.	75	6	25-145	30
4-Nitroaniline	ND	20	17.	85	20	17.	85	0	51-143	30
Dibenzofuran	ND	20	14.	70	20	13.	65	7	40-140	30
1,2,4,5-Tetrachlorobenzene	ND	20	14.	70	20	12.	60	15	2-134	30
Acetophenone	ND	20	16.	80	20	14.	70	13	39-129	30
2,4,6-Trichlorophenol	ND	20	16.	80	20	14.	70	13	30-130	30
p-Chloro-m-cresol	ND	20	13.	65	20	11.	55	17	23-97	30
2-Chlorophenol	ND	20	14.	70	20	12.	60	15	27-123	30
2,4-Dichlorophenol	ND	20	16.	80	20	14.	70	13	30-130	30
2,4-Dimethylphenol	ND	20	11.	55	20	8.6	43	24	30-130	30
2-Nitrophenol	ND	20	18.	90	20	16.	80	12	30-130	30
4-Nitrophenol	ND	20	12.	60	20	11.	55	9	10-80	30
2,4-Dinitrophenol	ND	20	20.	100	20	18.J	90	11	20-130	30
4,6-Dinitro-o-cresol	ND	20	18.	90	20	18.	90	0	20-164	30
Phenol	ND	20	7.4	37	20	6.2	31	18	12-110	30
2-Methylphenol	ND	20	10.	50	20	9.4	47	6	30-130	30
3-Methylphenol/4-Methylphenol	ND	20	13.	65	20	12.	60	8	30-130	30
2,4,5-Trichlorophenol	ND	20	17.	85	20	15.	75	13	30-130	30

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/16/25 03:34
Matrix Spike	: WG2078863-4	**MS Analysis Date**	: 06/16/25 02:48
Matrix Spike Dup	: WG2078863-5	**MSD Analysis Date**	: 06/16/25 03:11

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Benzoic Acid	ND	20	17.J	85	20	16.J	80	6	10-164	30
Benzyl Alcohol	ND	20	14.	70	20	12.	60	15	26-116	30
Carbazole	ND	20	16.	80	20	14.	70	13	55-144	30

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2536247
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-06A (L2536247-01)	93	64	165*	148*	134*	157*	4
MW-06B (L2536247-02)	38	26	75	68	61	68	0
MW-07A (L2536247-03)	43	29	79	76	63	73	0
MW-07B (L2536247-04)	44	30	75	69	60	71	0
MW-10B (L2536247-05)	61	42	115	122*	106	122	1
MW-10A (L2536247-06)	42	33	80	72	56	69	0
MW-09A (L2536247-07)	43	28	68	65	55	64	0
MW-09B (L2536247-08)	48	31	83	79	69	72	0
MW-05B (L2536247-09)	37	27	67	60	54	60	0
MW-05A (L2536247-10)	44	31	87	75	66	73	0
MW-08B (L2536247-11)	46	31	79	74	61	69	0
MW-08A (L2536247-12)	43	28	73	68	60	66	0
MW-02A (L2536247-13)	42	31	83	78	63	73	0
MW-02B (L2536247-14)	42	28	78	72	68	71	0
MW-03B (L2536247-15)	36	25	78	69	59	63	0
MW-03A (L2536247-16)	41	31	75	74	59	70	0
MW-04A (L2536247-17)	26	20	51	50	55	63	0
MW-04B (L2536247-18)	48	31	77	74	63	66	0
DUP001 (L2536247-20)	43	30	75	71	70	79	0
WG2078863-1BLANK	45	31	75	70	62	77	0
WG2078863-2LCS	37	28	67	58	63	64	0
WG2078863-3LCSD	44	34	72	68	67	70	0
MW-08AMS	47	34	88	80	74	75	0
MW-08AMSD	39	29	76	68	70	72	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2078863-1	**Lab File ID**	: 078863-1
Instrument ID	: SV106	**Extraction Date**	: 06/14/25
Matrix	: WATER	**Analysis Date**	: 06/15/25 20:11
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2078863-2LCS	WG2078863-2	06/15/25 20:34
WG2078863-3LCSD	WG2078863-3	06/15/25 20:57
MW-06A	L2536247-01	06/15/25 22:31
MW-06B	L2536247-02	06/15/25 22:54
MW-07A	L2536247-03	06/15/25 23:18
MW-07B	L2536247-04	06/15/25 23:41
MW-10B	L2536247-05	06/16/25 00:04
MW-10A	L2536247-06	06/16/25 00:28
MW-09A	L2536247-07	06/16/25 00:51
MW-09B	L2536247-08	06/16/25 01:14
MW-05B	L2536247-09	06/16/25 01:38
MW-05A	L2536247-10	06/16/25 02:01
MW-08B	L2536247-11	06/16/25 02:24
MW-08AMS	WG2078863-4	06/16/25 02:48
MW-08AMSD	WG2078863-5	06/16/25 03:11
MW-08A	L2536247-12	06/16/25 03:34
MW-02A	L2536247-13	06/16/25 03:58
MW-02B	L2536247-14	06/16/25 04:21
MW-03B	L2536247-15	06/16/25 04:45
MW-03A	L2536247-16	06/16/25 05:08
MW-04A	L2536247-17	06/16/25 05:31
MW-04B	L2536247-18	06/16/25 05:55
DUP001	L2536247-20	06/16/25 06:18

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 03/11/25 16:27
Tune Standard	: R1939674-1	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	41.5
68	Less than 2.0% of mass 69	0.4 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.9
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	16.7
442	Base Peak, or >50% of mass 198	74.8
443	15.0 - 24.0% of mass 442	14.9 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1939674-12	ABNL9	03/11/25 16:50
ABNL8	R1939674-10	ABNL8	03/11/25 17:14
ABNL7	R1939674-9	ABNL7	03/11/25 17:37
ABNL6	R1939674-8	ABNL6	03/11/25 18:01
ABNL5	R1939674-7	ABNL5	03/11/25 18:24
ABNL4	R1939674-6	ABNL4	03/11/25 18:48
ABNL3	R1939674-5	ABNL3	03/11/25 19:11
ABNL2	R1939674-4	ABNL2	03/11/25 19:34
ABNL1	R1939674-3	ABNL1	03/11/25 19:58
ABN ICV Quant Report	R1939674-30	ABNICV	03/11/25 22:18

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 03/11/25 23:05
Tune Standard	: R1939674-2	**Tune File ID**	: Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	41.4
68	Less than 2.0% of mass 69	0.3 (.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.7
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	25.6
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	16.9
442	Base Peak, or >50% of mass 198	72.8
443	15.0 - 24.0% of mass 442	14.2 (19.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
AP9L9	R1939674-29	AP9L9	03/11/25 23:29
AP9L8	R1939674-28	AP9L8	03/11/25 23:52
AP9L7	R1939674-27	AP9L7	03/12/25 00:15
AP9L6	R1939674-26	AP9L6	03/12/25 00:39
AP9L5	R1939674-25	AP9L5	03/12/25 01:02
AP9L4	R1939674-24	AP9L4	03/12/25 01:26
AP9L3	R1939674-22	AP9L3	03/12/25 01:49
AP9L2	R1939674-23	AP9L2	03/12/25 02:12
AP9L1	R1939674-19	AP9L1	03/12/25 02:36
ADPL9	R1939674-20	ADPL9	03/12/25 02:59
ADPL8	R1939674-21	ADPL8	03/12/25 03:23
ADPL7	R1939674-18	ADPL7	03/12/25 03:46
ADPL6	R1939674-16	ADPL6	03/12/25 04:09
ADPL5	R1939674-17	ADPL5	03/12/25 04:33
ADPL4	R1939674-15	ADPL4	03/12/25 04:56
ADPL3	R1939674-14	ADPL3	03/12/25 05:20
ADPL2	R1939674-13	ADPL2	03/12/25 05:43
ADPL1	R1939674-11	ADPL1	03/12/25 06:06
AP9 ICV Quant Report	R1939674-32	AP9ICV	03/12/25 06:30
ADP ICV Quant Report	R1939674-31	ADPICV	03/12/25 06:53

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/15/25 18:37
Tune Standard	: WG2078811-1	**Tune File ID**	: DEG0615_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	47.2
68	Less than 2.0% of mass 69	0.8 (1.9)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.2
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.7
275	10.0 - 60.0% of Base Peak	24.5
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	17.2
442	Base Peak, or >50% of mass 198	64.4
443	15.0 - 24.0% of mass 442	12.6 (19.5)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2078811-6TFACTOR-P	WG2078811-6	DEG0615	06/15/25 18:37
WG2078811-7TFACTOR-B	WG2078811-7	DEG0615	06/15/25 18:37
WG2078811-3CCAL	WG2078811-3	ABN0615	06/15/25 19:00
WG2078811-4CCAL	WG2078811-4	AP90615	06/15/25 19:24
WG2078811-5CCAL	WG2078811-5	ADP0615	06/15/25 19:47
WG2078863-1BLANK	WG2078863-1	078863-1	06/15/25 20:11
WG2078863-2LCS	WG2078863-2	078863-2	06/15/25 20:34
WG2078863-3LCSD	WG2078863-3	078863-3	06/15/25 20:57
MW-06A	L2536247-01	36247-01	06/15/25 22:31
MW-06B	L2536247-02	36247-02	06/15/25 22:54
MW-07A	L2536247-03	36247-03	06/15/25 23:18
MW-07B	L2536247-04	36247-04	06/15/25 23:41
MW-10B	L2536247-05	36247-05	06/16/25 00:04
MW-10A	L2536247-06	36247-06	06/16/25 00:28
MW-09A	L2536247-07	36247-07	06/16/25 00:51
MW-09B	L2536247-08	36247-08	06/16/25 01:14
MW-05B	L2536247-09	36247-09	06/16/25 01:38
MW-05A	L2536247-10	36247-10	06/16/25 02:01
MW-08B	L2536247-11	36247-11	06/16/25 02:24
WG2078863-4MS	WG2078863-4	078863-4	06/16/25 02:48
WG2078863-5MSD	WG2078863-5	078863-5	06/16/25 03:11
MW-08A	L2536247-12	36247-12	06/16/25 03:34
MW-02A	L2536247-13	36247-13	06/16/25 03:58
MW-02B	L2536247-14	36247-14	06/16/25 04:21
MW-03B	L2536247-15	36247-15	06/16/25 04:45

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/15/25 18:37
Tune Standard	: L2536247-16	**Tune File ID**	: DEG0615_tune

	m/e Ion Abundance Criteria		%Relative Abundance
MW-03A	L2536247-16	36247-16	06/16/25 05:08
MW-04A	L2536247-17	36247-17	06/16/25 05:31
MW-04B	L2536247-18	36247-18	06/16/25 05:55
DUP001	L2536247-20	36247-20	06/16/25 06:18

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/15/25 19:00:00
Sample No	: WG2078811-3	**Lab File ID**	: ABN0615

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2078811-3	54749	6.55	196335	7.97	115764	9.73
Upper Limit	109498	7.05	392670	8.47	231528	10.23
Lower Limit	27375	6.05	98168	7.47	57882	9.23
Sample ID						
WG2078811-4 CCAL	52990	6.55	183489	7.97	107792	9.73
WG2078811-5 CCAL	59967	6.55	-	-	109676	9.73
WG2078863-1 BLANK	56296	6.55	201315	7.97	126921	9.73
WG2078863-2 LCS	58609	6.55	213181	7.97	131629	9.73
WG2078863-3 LCSD	59729	6.55	206884	7.97	131755	9.73
MW-06A	55784	6.55	203624	7.97	126437	9.73
MW-06B	63157	6.55	229161	7.97	145795	9.73
MW-07A	57956	6.55	213826	7.97	137954	9.73
MW-07B	63063	6.55	227413	7.97	140877	9.73
MW-10B	47811	6.55	145888	7.97	89930	9.73
MW-10A	66947	6.55	233595	7.97	151810	9.73
MW-09A	64665	6.55	230267	7.97	149336	9.73
MW-09B	55893	6.55	202955	7.97	127605	9.73
MW-05B	58950	6.55	211907	7.97	129347	9.73
MW-05A	55845	6.55	215961	7.97	131712	9.73
MW-08B	55406	6.55	203640	7.97	129864	9.73
MW-08A MS	57813	6.55	213045	7.97	143029	9.73
MW-08A MSD	63907	6.55	228545	7.97	140688	9.73
MW-08A	56489	6.55	205754	7.97	130471	9.73
MW-02A	62146	6.55	225060	7.97	142378	9.73
MW-02B	56105	6.55	210928	7.97	129099	9.73
MW-03B	60450	6.55	223430	7.97	140555	9.73
MW-03A	58176	6.55	208289	7.97	137488	9.73
MW-04A	61808	6.55	211335	7.97	133019	9.73
MW-04B	58777	6.55	213032	7.97	138642	9.73
DUP001	53549	6.55	199445	7.97	124184	9.73

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/15/25 19:00:00
Sample No	: WG2078811-3	**Lab File ID**	: ABN0615

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2078811-3	231478	11.18	264770	13.85	269774	15.32
Upper Limit	462956	11.68	529540	14.35	539548	15.82
Lower Limit	115739	10.68	132385	13.35	134887	14.82
Sample ID						
WG2078811-4 CCAL	218249	11.18	-	-	-	-
WG2078811-5 CCAL	231501	11.18	-	-	-	-
WG2078863-1 BLANK	268727	11.18	288041	13.85	297642	15.33
WG2078863-2 LCS	276351	11.18	302468	13.85	320882	15.33
WG2078863-3 LCSD	275710	11.18	295350	13.85	313872	15.33
MW-06A	261344	11.18	277895	13.85	304277	15.33
MW-06B	303648	11.18	308757	13.85	325759	15.32
MW-07A	282764	11.18	291325	13.84	304477	15.32
MW-07B	303102	11.18	312845	13.84	325801	15.32
MW-10B	188928	11.18	191483	13.84	202582	15.32
MW-10A	318239	11.18	319235	13.84	327800	15.32
MW-09A	310771	11.18	311107	13.84	323165	15.32
MW-09B	268116	11.18	277296	13.84	288252	15.32
MW-05B	279603	11.18	281437	13.84	293919	15.32
MW-05A	270732	11.18	269113	13.84	275693	15.32
MW-08B	268695	11.18	273827	13.84	289367	15.32
MW-08A MS	289459	11.18	291038	13.84	308451	15.32
MW-08A MSD	290671	11.18	308076	13.84	334023	15.32
MW-08A	271177	11.18	275168	13.84	285140	15.32
MW-02A	297095	11.18	294906	13.84	299157	15.32
MW-02B	274839	11.18	281546	13.84	286722	15.32
MW-03B	289706	11.18	282197	13.84	289982	15.32
MW-03A	290690	11.18	285874	13.84	294463	15.32
MW-04A	282891	11.18	281283	13.84	289448	15.32
MW-04B	283893	11.18	288143	13.84	300958	15.32
DUP001	260372	11.18	261625	13.84	271335	15.32

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 2

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.286	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.484	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.407	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.196	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.67	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.468	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.415	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	1.03	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	1.16	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	1.45	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.401	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.372	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.44	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	2.09	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.606	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.653	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	1.7	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	2.04	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	1.95	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.42	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	5.42	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	2.31	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	2.51	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	0.35	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	2.31	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	1.39	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	2.07	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	2.62	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.381	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.309	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.308	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. ***(Soil/Solids only)***
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 22:31
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-01	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.0	3.0	1.4	J
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 22:31
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-01	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 22:31
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-01	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 22:54
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-02	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 22:54
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-02	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 22:54
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-02	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-03	Date Collected	: 06/10/25 11:53
Client ID	: MW-07A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/15/25 23:18
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-03	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 23:18
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-03	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 23:18
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-03	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-04	Date Collected	: 06/10/25 12:00
Client ID	: MW-07B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/15/25 23:41
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-04	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 23:41
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-04	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 23:41
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-04	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-05	Date Collected	: 06/10/25 10:00
Client ID	: MW-10B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 00:04
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-05	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:04
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-05	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:04
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-05	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-06	Date Collected	: 06/10/25 10:00
Client ID	: MW-10A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 00:28
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-06	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:28
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-06	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:28
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-06	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:51
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-07	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:51
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-07	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 00:51
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-07	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-08	Date Collected	: 06/10/25 09:15
Client ID	: MW-09B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 01:14
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-08	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 01:14
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-08	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 01:14
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-08	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 01:38
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-09	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-09	Date Collected	: 06/09/25 15:02
Client ID	: MW-05B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 01:38
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-09	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 01:38
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-09	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-10	Date Collected	: 06/09/25 15:05
Client ID	: MW-05A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 02:01
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-10	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 02:01
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-10	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 02:01
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-10	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 02:24
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-11	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 02:24
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-11	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 02:24
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-11	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-12	Date Collected	: 06/09/25 13:25
Client ID	: MW-08A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 03:34
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-12	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 03:34
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-12	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 03:34
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-12	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 03:58
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-13	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 03:58
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-13	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 03:58
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-13	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 04:21
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-14	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 04:21
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-14	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 04:21
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-14	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-15	Date Collected	: 06/09/25 10:55
Client ID	: MW-03B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 04:45
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-15	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-15	Date Collected	: 06/09/25 10:55
Client ID	: MW-03B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 04:45
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-15	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	2.4	5.0	0.92	J
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 04:45
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-15	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:08
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-16	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:08
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-16	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:08
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-16	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:31
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-17	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:31
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-17	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:31
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-17	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-18	Date Collected	: 06/09/25 09:30
Client ID	: MW-04B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 05:55
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-18	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-18	Date Collected	: 06/09/25 09:30
Client ID	: MW-04B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 05:55
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-18	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:55
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-18	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-20	Date Collected	: 06/09/25 00:00
Client ID	: DUP001	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/16/25 06:18
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 36247-20	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 06:18
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-20	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 06:18
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 36247-20	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: WG2078863-1	Date Collected	: NA
Client ID	: WG2078863-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/15/25 20:11
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E	Dilution Factor	: 1
Lab File ID	: 078863-1	Analyst	: SMZ
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RTX5-MS
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	2.0	0.40	U
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	0.98	U
118-74-1	Hexachlorobenzene	ND	2.0	0.45	U
111-44-4	Bis(2-chloroethyl)ether	ND	2.0	0.39	U
91-58-7	2-Chloronaphthalene	ND	2.0	0.35	U
95-50-1	1,2-Dichlorobenzene	ND	2.0	0.33	U
541-73-1	1,3-Dichlorobenzene	ND	2.0	0.32	U
106-46-7	1,4-Dichlorobenzene	ND	2.0	0.39	U
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
206-44-0	Fluoranthene	ND	2.0	0.41	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
87-68-3	Hexachlorobutadiene	ND	2.0	0.36	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
67-72-1	Hexachloroethane	ND	2.0	0.20	U
78-59-1	Isophorone	ND	5.0	0.86	U
91-20-3	Naphthalene	ND	2.0	0.54	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2078863-1	**Date Collected**	: NA
Client ID	: WG2078863-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/15/25 20:11
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 078863-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
56-55-3	Benzo(a)anthracene	ND	2.0	0.32	U
50-32-8	Benzo(a)pyrene	ND	2.0	0.37	U
205-99-2	Benzo(b)fluoranthene	ND	2.0	0.53	U
207-08-9	Benzo(k)fluoranthene	ND	2.0	0.62	U
218-01-9	Chrysene	ND	2.0	0.22	U
208-96-8	Acenaphthylene	ND	2.0	0.32	U
120-12-7	Anthracene	ND	2.0	0.47	U
191-24-2	Benzo(ghi)perylene	ND	2.0	0.37	U
86-73-7	Fluorene	ND	2.0	0.44	U
85-01-8	Phenanthrene	ND	2.0	0.42	U
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.29	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	2.0	0.48	U
129-00-0	Pyrene	ND	2.0	0.41	U
92-52-4	Biphenyl	ND	2.0	0.20	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2078863-1	**Date Collected**	: NA
Client ID	: WG2078863-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/15/25 20:11
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 078863-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
91-57-6	2-Methylnaphthalene	ND	2.0	0.37	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
87-86-5	Pentachlorophenol	ND	10	2.5	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U

Results Summary
Form 1
Semivolatile Organics by GC/MS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2078863-1	**Date Collected**	: NA
Client ID	: WG2078863-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/15/25 20:11
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E	**Dilution Factor**	: 1
Lab File ID	: 078863-1	**Analyst**	: SMZ
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RTX5-MS
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
65-85-0	Benzoic Acid	ND	50	2.6	U
100-51-6	Benzyl Alcohol	ND	2.0	0.38	U
86-74-8	Carbazole	ND	2.0	0.31	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-01.D
Acq On : 15 Jun 2025 10:31 pm
Operator : SV106:smz
Sample : L2536247-01,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 09:14:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	55784	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 101.89%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	55784	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 105.27%				
35) IS1_Naphthalene-d8	7.969	136	203624	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 103.71%				
55) IS2_Naphthalene-d8	7.969	136	203624	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 110.97%				
63) IS1_Acenaphthene-d10	9.733	164	126437	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 109.22%				
83) IS2_Acenaphthene-d10	9.733	164	126437	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 117.30%				
86) IS3_Acenaphthene-d10	9.733	164	126437	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 115.28%				
88) IS1_Phenanthrene-d10	11.180	188	261344	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 112.90%				
100) IS3_Phenanthrene-d10	11.180	188	261344	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 112.89%				
104) IS1_Chrysene-d12	13.845	240	277895	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 104.96%				
113) IS1_Perylene-d12	15.327	264	304277	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 112.79%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.687	112	29160	1.853	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 92.65%				
7) Phenol-d6	6.181	99	23700	1.285	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 64.25%				
19) Nitrobenzene-d5	7.204	82	25149	1.646	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 164.60%#				
46) 2-Fluorobiphenyl	9.092	172	69310	1.475	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 147.50%#				
79) 2,4,6-Tribromophenol	10.510	330	17410	2.678	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 133.90%#				
96) 4-Terphenyl-d14	12.774	244	106532	1.571	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 157.10%#				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-01.D
Acq On : 15 Jun 2025 10:31 pm
Operator : SV106:smz
Sample : L2536247-01,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 09:14:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-01.D
Acq On : 15 Jun 2025 10:31 pm
Operator : SV106:smz
Sample : L2536247-01,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 09:14:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D. d		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	11.810	149	2608	0.036	ug/ml#	79
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	13.951	149	1567	0.203	ug/ml#	52
109) Di-n-octylphthalate	0.000		0	N.D. d		

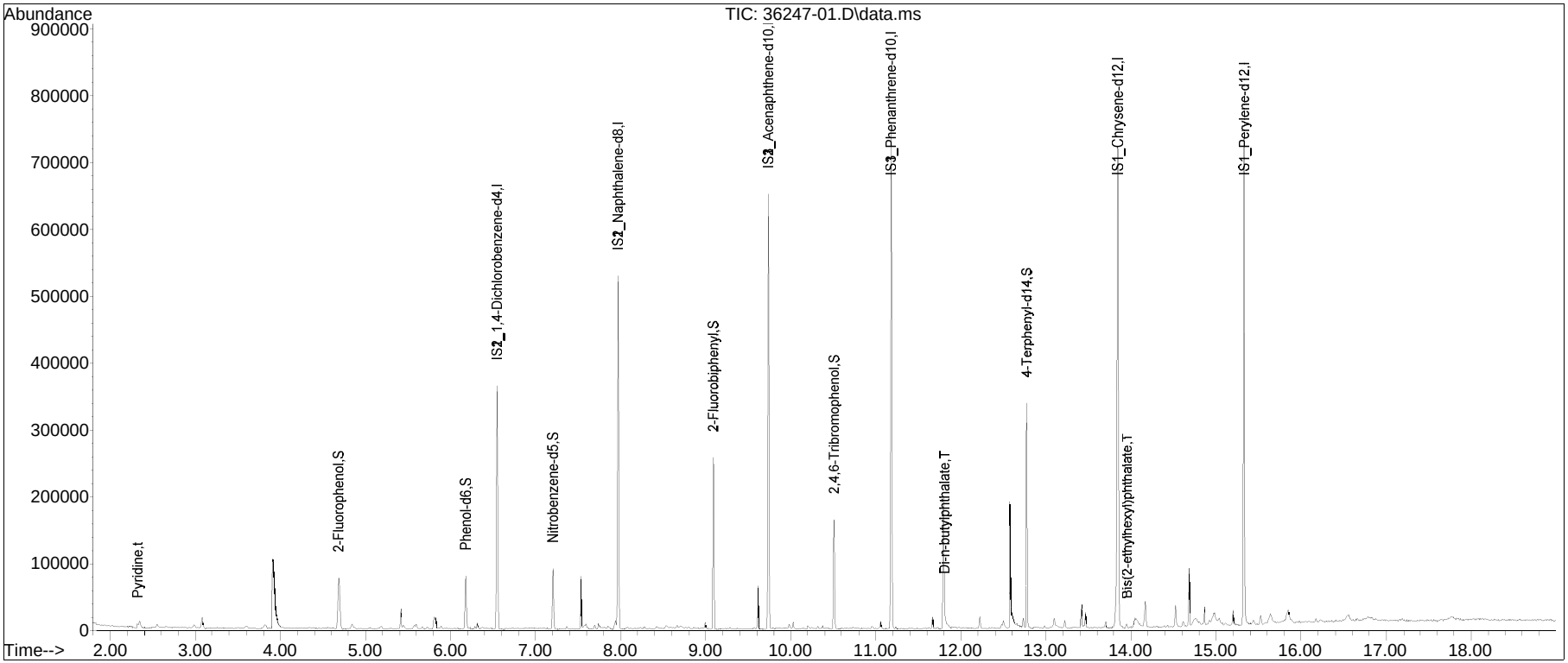
(#) = qualifier out of range (m) = manual integration (+) = signals summed

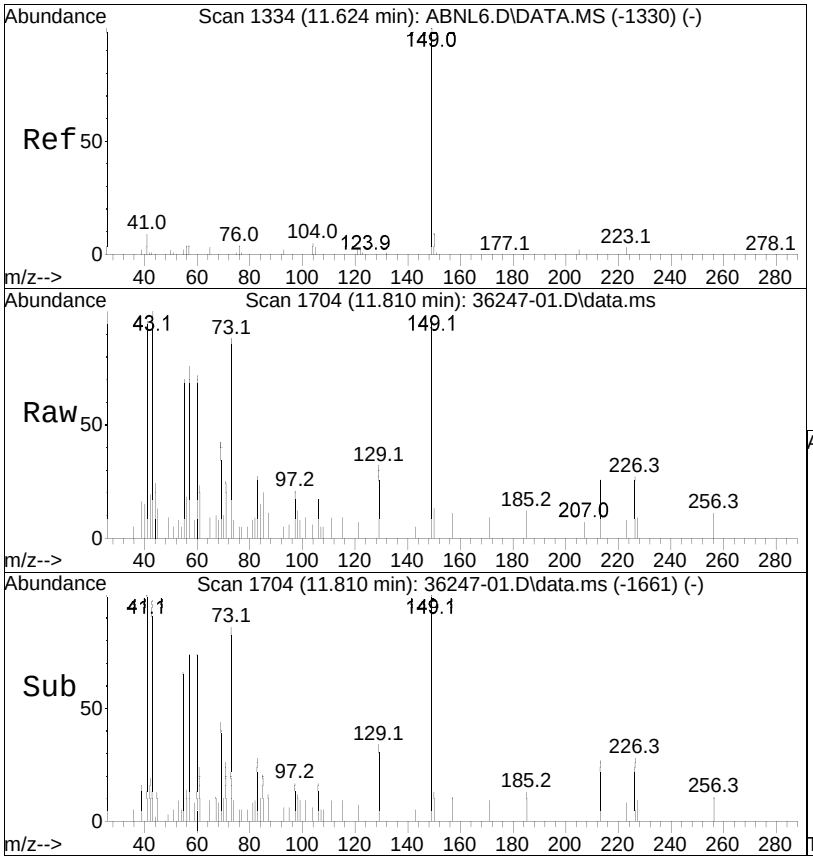
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-01.D
Acq On : 15 Jun 2025 10:31 pm
Operator : SV106:smz
Sample : L2536247-01,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 23 09:14:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•

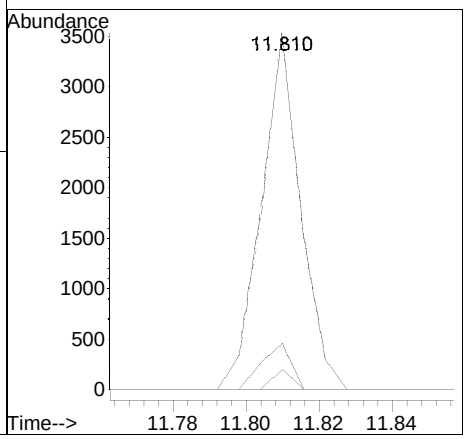


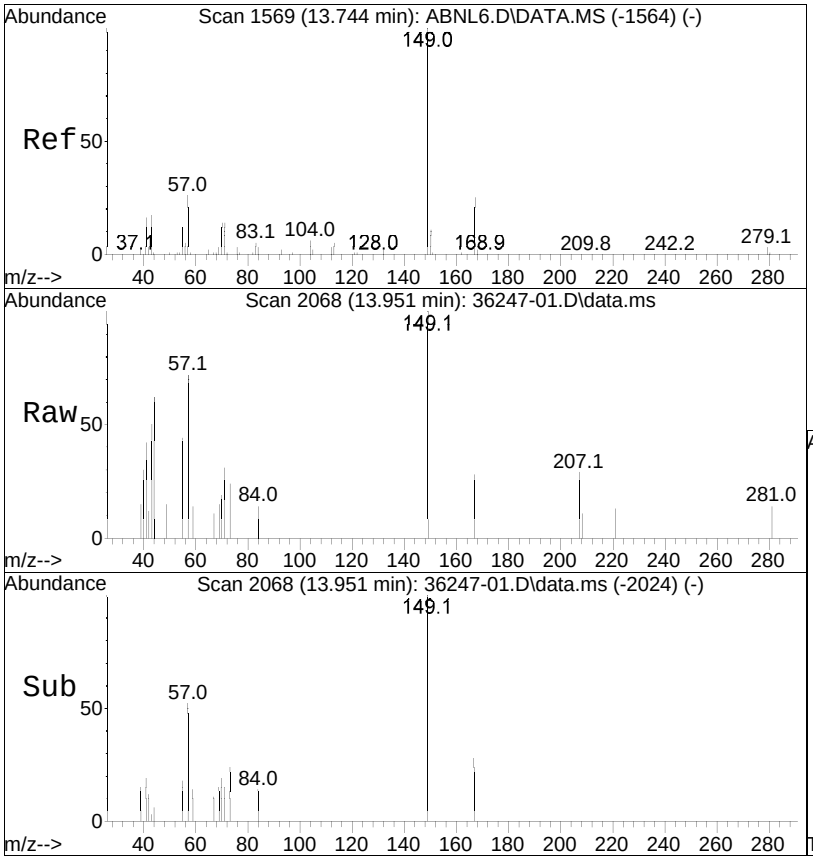


#92
Di-n-butylphthalate
Concen: 0.04 ug/ml
RT: 11.810 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 36247-01.D
Acq: 15 Jun 2025 10:31 pm

Tgt Ion:149 Resp: 2608

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.0	10.6#
104	0.0	4.5	6.7#

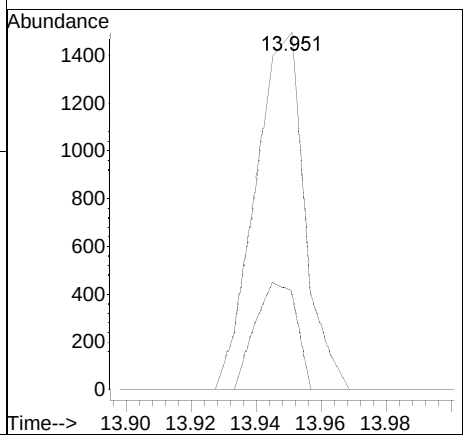




#108
Bis(2-ethylhexyl)phthalate
Concen: 0.20 ug/ml
RT: 13.951 min Scan# 2068
Delta R.T. 0.006 min
Lab File: 36247-01.D
Acq: 15 Jun 2025 10:31 pm

Tgt Ion:149 Resp: 1567

Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.1	33.1#
279	0.0	3.0	4.4#



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-01.D	Operator	: SV106:smz
Date Inj'd	: 6/15/2025 10:31 pm	Instrument	: SV 106
Sample	: L2536247-01,32,,ASK	Quant Date	: 6/15/2025 10:50 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-02.D
Acq On : 15 Jun 2025 10:54 pm
Operator : SV106:smz
Sample : L2536247-02,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 09:15:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	63157	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 115.36%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	63157	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 119.19%				
35) IS1_Naphthalene-d8	7.969	136	229161	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 116.72%				
55) IS2_Naphthalene-d8	7.969	136	229161	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 124.89%				
63) IS1_Acenaphthene-d10	9.733	164	145795	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 125.94%				
83) IS2_Acenaphthene-d10	9.733	164	145795	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 135.26%				
86) IS3_Acenaphthene-d10	9.733	164	145795	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 132.93%				
88) IS1_Phenanthrene-d10	11.180	188	303648	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 131.18%				
100) IS3_Phenanthrene-d10	11.180	188	303648	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 131.16%				
104) IS1_Chrysene-d12	13.845	240	308757	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 116.61%				
113) IS1_Perylene-d12	15.321	264	325759	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 120.75%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	13618	0.764	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 38.20%				
7) Phenol-d6	6.181	99	10802	0.517	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.85%				
19) Nitrobenzene-d5	7.204	82	12891	0.745	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.50%				
46) 2-Fluorobiphenyl	9.092	172	35836	0.677	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.70%				
79) 2,4,6-Tribromophenol	10.510	330	9175	1.224	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 61.20%				
96) 4-Terphenyl-d14	12.774	244	53873	0.684	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.40%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-02.D
Acq On : 15 Jun 2025 10:54 pm
Operator : SV106:smz
Sample : L2536247-02,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 09:15:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-02.D
Acq On : 15 Jun 2025 10:54 pm
Operator : SV106:smz
Sample : L2536247-02,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 09:15:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

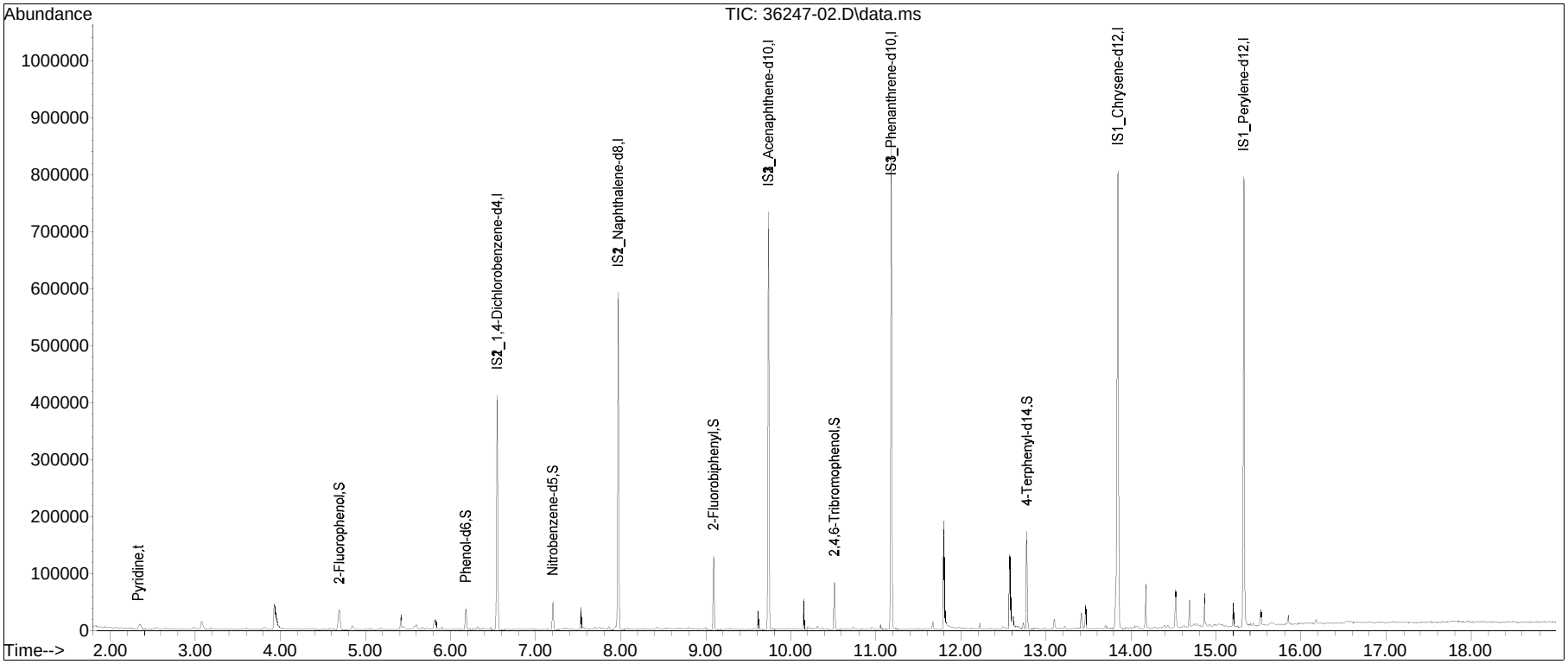
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-02.D
Acq On : 15 Jun 2025 10:54 pm
Operator : SV106:smz
Sample : L2536247-02,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 09:15:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-02.D	Operator	: SV106:smz
Date Inj'd	: 6/15/2025 10:54 pm	Instrument	: SV 106
Sample	: L2536247-02,32,,ASK	Quant Date	: 6/15/2025 11:13 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-03.D
Acq On : 15 Jun 2025 11:18 pm
Operator : SV106:smz
Sample : L2536247-03,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 09:15:55 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	57956	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 105.86%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	57956	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 109.37%				
35) IS1_Naphthalene-d8	7.969	136	213826	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 108.91%				
55) IS2_Naphthalene-d8	7.969	136	213826	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 116.53%				
63) IS1_Acenaphthene-d10	9.733	164	137954	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 119.17%				
83) IS2_Acenaphthene-d10	9.733	164	137954	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 127.98%				
86) IS3_Acenaphthene-d10	9.733	164	137954	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 125.78%				
88) IS1_Phenanthrene-d10	11.180	188	282764	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 122.16%				
100) IS3_Phenanthrene-d10	11.180	188	282764	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 122.14%				
104) IS1_Chrysene-d12	13.839	240	291325	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 110.03%				
113) IS1_Perylene-d12	15.321	264	304477	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 112.86%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.687	112	14192	0.868	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.40%				
7) Phenol-d6	6.181	99	11008	0.574	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.70%				
19) Nitrobenzene-d5	7.204	82	12605	0.794	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.40%				
46) 2-Fluorobiphenyl	9.092	172	37462	0.759	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.90%				
79) 2,4,6-Tribromophenol	10.510	330	8953	1.262	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 63.10%				
96) 4-Terphenyl-d14	12.774	244	53693	0.732	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.20%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-03.D
Acq On : 15 Jun 2025 11:18 pm
Operator : SV106:smz
Sample : L2536247-03,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 09:15:55 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-03.D
Acq On : 15 Jun 2025 11:18 pm
Operator : SV106:smz
Sample : L2536247-03,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 09:15:55 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

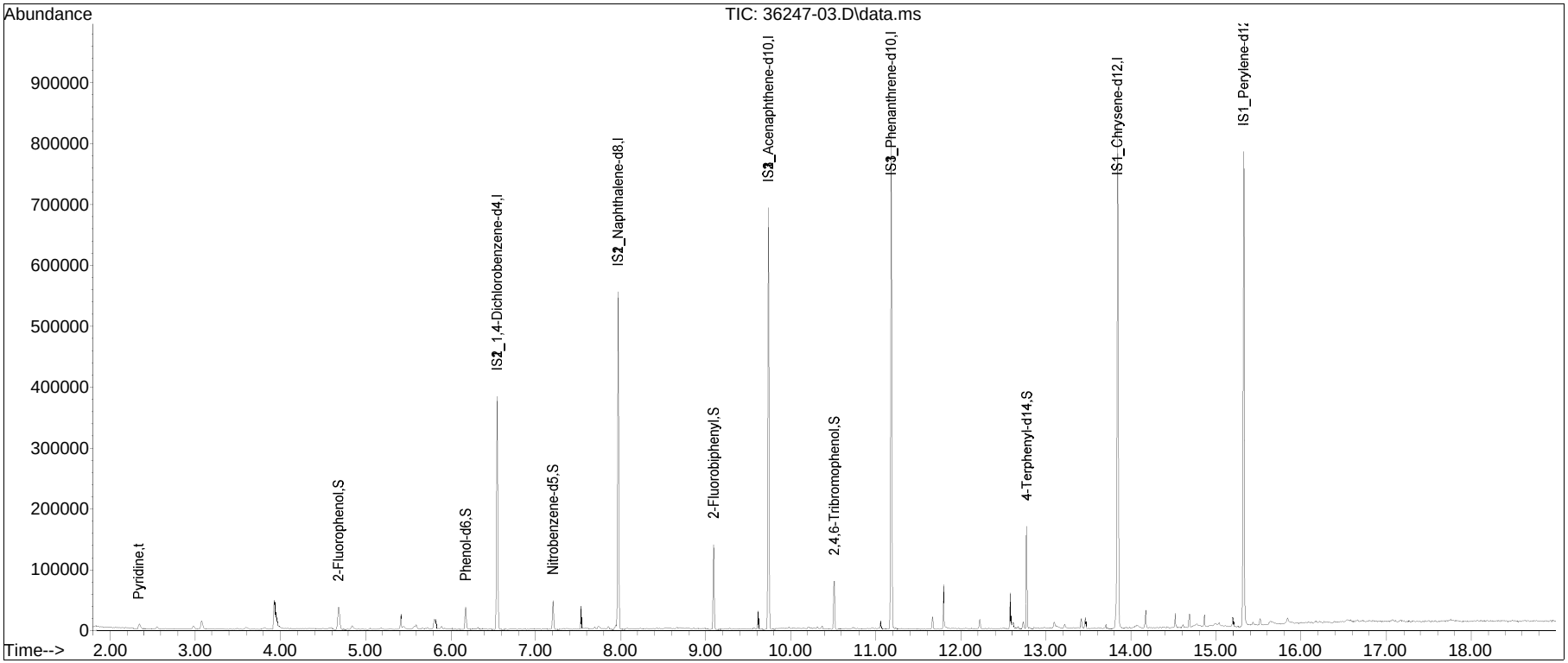
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-03.D
Acq On : 15 Jun 2025 11:18 pm
Operator : SV106:smz
Sample : L2536247-03,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 09:15:55 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-04.D
Acq On : 15 Jun 2025 11:41 pm
Operator : SV106:smz
Sample : L2536247-04,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 09:16:23 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.551	152	63063	4.000 ug/ml	0.00
Standard Area 1 = 54749			Recovery = 115.19%		
27) IS2_1,4-Dichlorobenzen...	6.551	152	63063	4.000 ug/ml	0.00
Standard Area 3 = 52990			Recovery = 119.01%		
35) IS1_Naphthalene-d8	7.969	136	227413	4.000 ug/ml	# 0.00
Standard Area 1 = 196335			Recovery = 115.83%		
55) IS2_Naphthalene-d8	7.969	136	227413	4.000 ug/ml	# 0.00
Standard Area 3 = 183489			Recovery = 123.94%		
63) IS1_Acenaphthene-d10	9.733	164	140877	4.000 ug/ml	0.00
Standard Area 1 = 115764			Recovery = 121.69%		
83) IS2_Acenaphthene-d10	9.733	164	140877	4.000 ug/ml	0.00
Standard Area 3 = 107792			Recovery = 130.69%		
86) IS3_Acenaphthene-d10	9.733	164	140877	4.000 ug/ml	0.00
Standard Area 2 = 109676			Recovery = 128.45%		
88) IS1_Phenanthrene-d10	11.180	188	303102	4.000 ug/ml	0.00
Standard Area 1 = 231478			Recovery = 130.94%		
100) IS3_Phenanthrene-d10	11.180	188	303102	4.000 ug/ml	0.00
Standard Area 2 = 231501			Recovery = 130.93%		
104) IS1_Chrysene-d12	13.839	240	312845	4.000 ug/ml	0.00
Standard Area 1 = 264770			Recovery = 118.16%		
113) IS1_Perylene-d12	15.321	264	325801	4.000 ug/ml	0.00
Standard Area 1 = 269774			Recovery = 120.77%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.687	112	15506	0.872 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.60%		
7) Phenol-d6	6.181	99	12307	0.590 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.50%		
19) Nitrobenzene-d5	7.204	82	12915	0.748 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.80%		
46) 2-Fluorobiphenyl	9.092	172	36057	0.687 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.70%		
79) 2,4,6-Tribromophenol	10.510	330	8710	1.203 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.15%		
96) 4-Terphenyl-d14	12.774	244	55568	0.707 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.70%		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-04.D
Acq On : 15 Jun 2025 11:41 pm
Operator : SV106:smz
Sample : L2536247-04,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 09:16:23 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-04.D
Acq On : 15 Jun 2025 11:41 pm
Operator : SV106:smz
Sample : L2536247-04,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 09:16:23 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

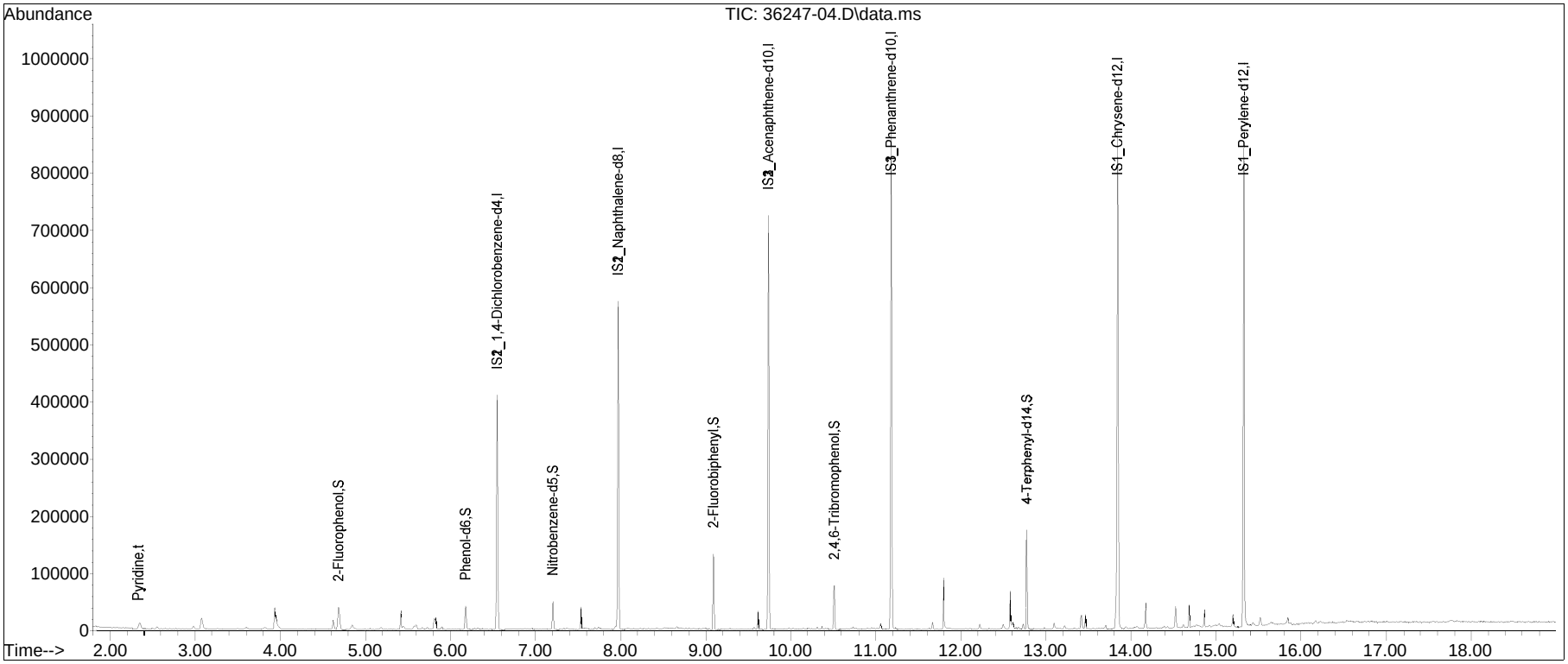
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-04.D
Acq On : 15 Jun 2025 11:41 pm
Operator : SV106:smz
Sample : L2536247-04,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 09:16:23 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-04.D	Operator	: SV106:smz
Date Inj'd	: 6/15/2025 11:41 pm	Instrument	: SV 106
Sample	: L2536247-04,32,,ASK	Quant Date	: 6/16/2025 0:00 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-05.D
Acq On : 16 Jun 2025 12:04 am
Operator : SV106:smz
Sample : L2536247-05,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 09:16:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.551	152	47811	4.000	ug/ml	0.00
Standard Area 1 = 54749			Recovery = 87.33%			
27) IS2_1,4-Dichlorobenzen...	6.551	152	47811	4.000	ug/ml	0.00
Standard Area 3 = 52990			Recovery = 90.23%			
35) IS1_Naphthalene-d8	7.969	136	145888	4.000	ug/ml	# 0.00
Standard Area 1 = 196335			Recovery = 74.31%			
55) IS2_Naphthalene-d8	7.969	136	145888	4.000	ug/ml	# 0.00
Standard Area 3 = 183489			Recovery = 79.51%			
63) IS1_Acenaphthene-d10	9.733	164	89930	4.000	ug/ml	0.00
Standard Area 1 = 115764			Recovery = 77.68%			
83) IS2_Acenaphthene-d10	9.733	164	89930	4.000	ug/ml	0.00
Standard Area 3 = 107792			Recovery = 83.43%			
86) IS3_Acenaphthene-d10	9.733	164	89930	4.000	ug/ml	0.00
Standard Area 2 = 109676			Recovery = 82.00%			
88) IS1_Phenanthrene-d10	11.180	188	188928	4.000	ug/ml	0.00
Standard Area 1 = 231478			Recovery = 81.62%			
100) IS3_Phenanthrene-d10	11.180	188	188928	4.000	ug/ml	0.00
Standard Area 2 = 231501			Recovery = 81.61%			
104) IS1_Chrysene-d12	13.839	240	191483	4.000	ug/ml	0.00
Standard Area 1 = 264770			Recovery = 72.32%			
113) IS1_Perylene-d12	15.321	264	202582	4.000	ug/ml	0.00
Standard Area 1 = 269774			Recovery = 75.09%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.692	112	16322	1.210	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.50%			
7) Phenol-d6	6.181	99	13209	0.835	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.75%			
19) Nitrobenzene-d5	7.204	82	15103	1.153	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 115.30%			
46) 2-Fluorobiphenyl	9.092	172	40942	1.216	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 121.60%			
79) 2,4,6-Tribromophenol	10.510	330	9762	2.111	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 105.55%			
96) 4-Terphenyl-d14	12.774	244	59877	1.222	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 122.20%			

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-05.D
Acq On : 16 Jun 2025 12:04 am
Operator : SV106:smz
Sample : L2536247-05,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 09:16:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-05.D
Acq On : 16 Jun 2025 12:04 am
Operator : SV106:smz
Sample : L2536247-05,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 09:16:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

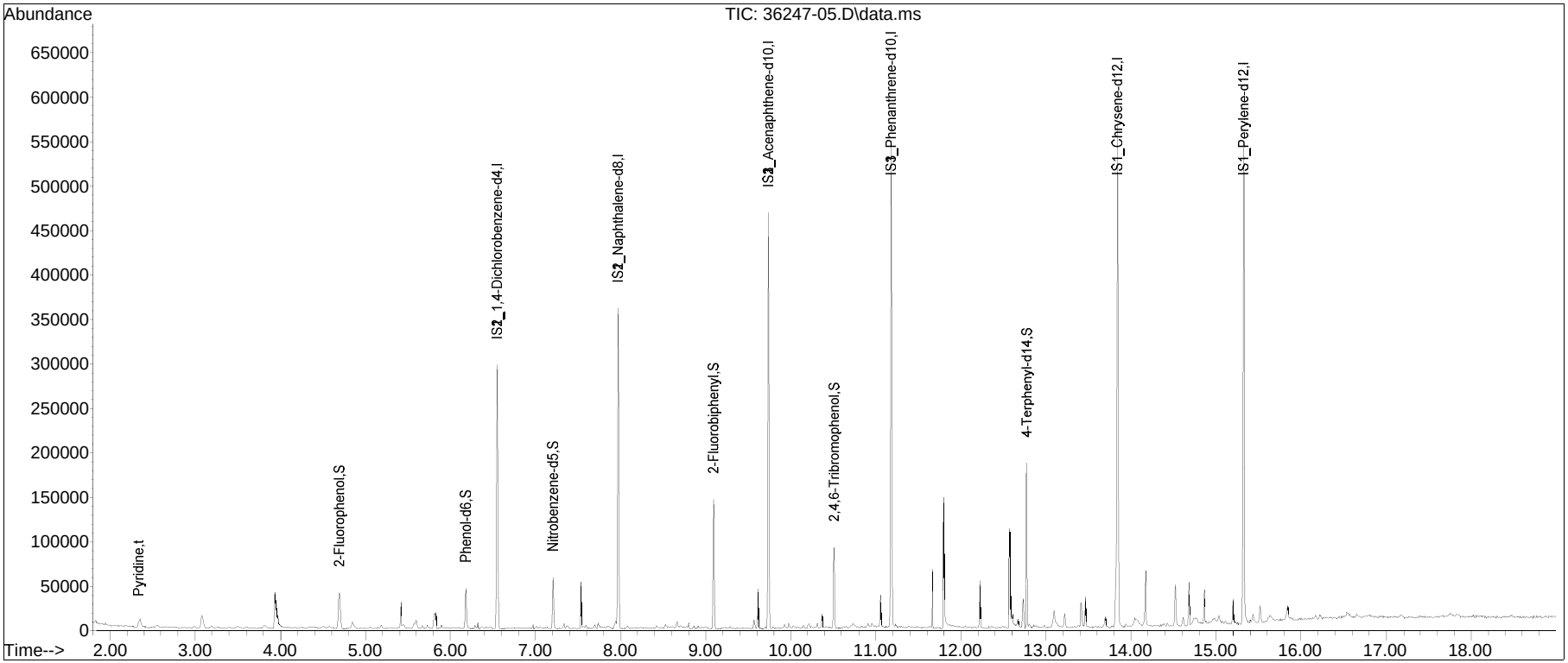
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-05.D
Acq On : 16 Jun 2025 12:04 am
Operator : SV106:smz
Sample : L2536247-05,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 23 09:16:48 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-05.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 12:04 am	Instrument	: SV 106
Sample	: L2536247-05,32,,ASK	Quant Date	: 6/16/2025 0:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-06.D
Acq On : 16 Jun 2025 12:28 am
Operator : SV106:smz
Sample : L2536247-06,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 09:17:18 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	66947	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 122.28%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	66947	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 126.34%				
35) IS1_Naphthalene-d8	7.969	136	233595	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 118.98%				
55) IS2_Naphthalene-d8	7.969	136	233595	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 127.31%				
63) IS1_Acenaphthene-d10	9.733	164	151810	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 131.14%				
83) IS2_Acenaphthene-d10	9.733	164	151810	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 140.84%				
86) IS3_Acenaphthene-d10	9.733	164	151810	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 138.42%				
88) IS1_Phenanthrene-d10	11.180	188	318239	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 137.48%				
100) IS3_Phenanthrene-d10	11.180	188	318239	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 137.47%				
104) IS1_Chrysene-d12	13.839	240	319235	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 120.57%				
113) IS1_Perylene-d12	15.321	264	327800	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 121.51%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	15957	0.845	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.25%				
7) Phenol-d6	6.181	99	14428	0.652	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 32.60%				
19) Nitrobenzene-d5	7.204	82	14662	0.800	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 80.00%				
46) 2-Fluorobiphenyl	9.092	172	38789	0.719	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 71.90%				
79) 2,4,6-Tribromophenol	10.510	330	8798	1.127	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 56.35%				
96) 4-Terphenyl-d14	12.774	244	57078	0.691	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.10%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-06.D
Acq On : 16 Jun 2025 12:28 am
Operator : SV106:smz
Sample : L2536247-06,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 09:17:18 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-06.D
Acq On : 16 Jun 2025 12:28 am
Operator : SV106:smz
Sample : L2536247-06,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 09:17:18 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

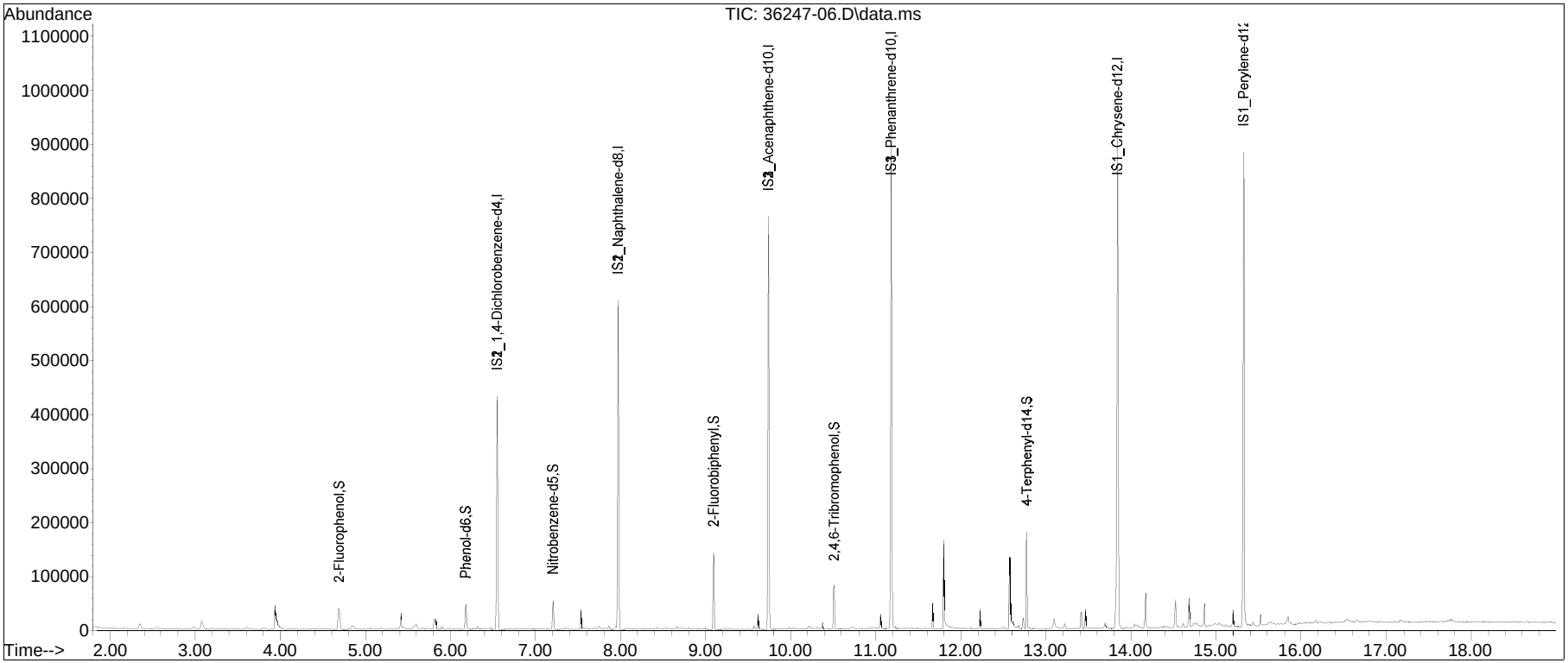
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-06.D
Acq On : 16 Jun 2025 12:28 am
Operator : SV106:smz
Sample : L2536247-06,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 23 09:17:18 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-06.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 12:28 am	Instrument	: SV 106
Sample	: L2536247-06,32,,ASK	Quant Date	: 6/16/2025 0:47 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-07.D
Acq On : 16 Jun 2025 12:51 am
Operator : SV106:smz
Sample : L2536247-07,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 09:17:46 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	64665	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 118.11%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	64665	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 122.03%				
35) IS1_Naphthalene-d8	7.969	136	230267	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 117.28%				
55) IS2_Naphthalene-d8	7.969	136	230267	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 125.49%				
63) IS1_Acenaphthene-d10	9.733	164	149336	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 129.00%				
83) IS2_Acenaphthene-d10	9.733	164	149336	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 138.54%				
86) IS3_Acenaphthene-d10	9.733	164	149336	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 136.16%				
88) IS1_Phenanthrene-d10	11.180	188	310771	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 134.26%				
100) IS3_Phenanthrene-d10	11.180	188	310771	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 134.24%				
104) IS1_Chrysene-d12	13.839	240	311107	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 117.50%				
113) IS1_Perylene-d12	15.321	264	323165	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 119.79%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	15517	0.851	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.55%				
7) Phenol-d6	6.181	99	12074	0.565	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.25%				
19) Nitrobenzene-d5	7.204	82	12083	0.682	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.20%				
46) 2-Fluorobiphenyl	9.092	172	34598	0.651	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 65.10%				
79) 2,4,6-Tribromophenol	10.510	330	8485	1.105	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 55.25%				
96) 4-Terphenyl-d14	12.774	244	51960	0.644	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 64.40%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-07.D
Acq On : 16 Jun 2025 12:51 am
Operator : SV106:smz
Sample : L2536247-07,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 09:17:46 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-07.D
Acq On : 16 Jun 2025 12:51 am
Operator : SV106:smz
Sample : L2536247-07,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 09:17:46 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

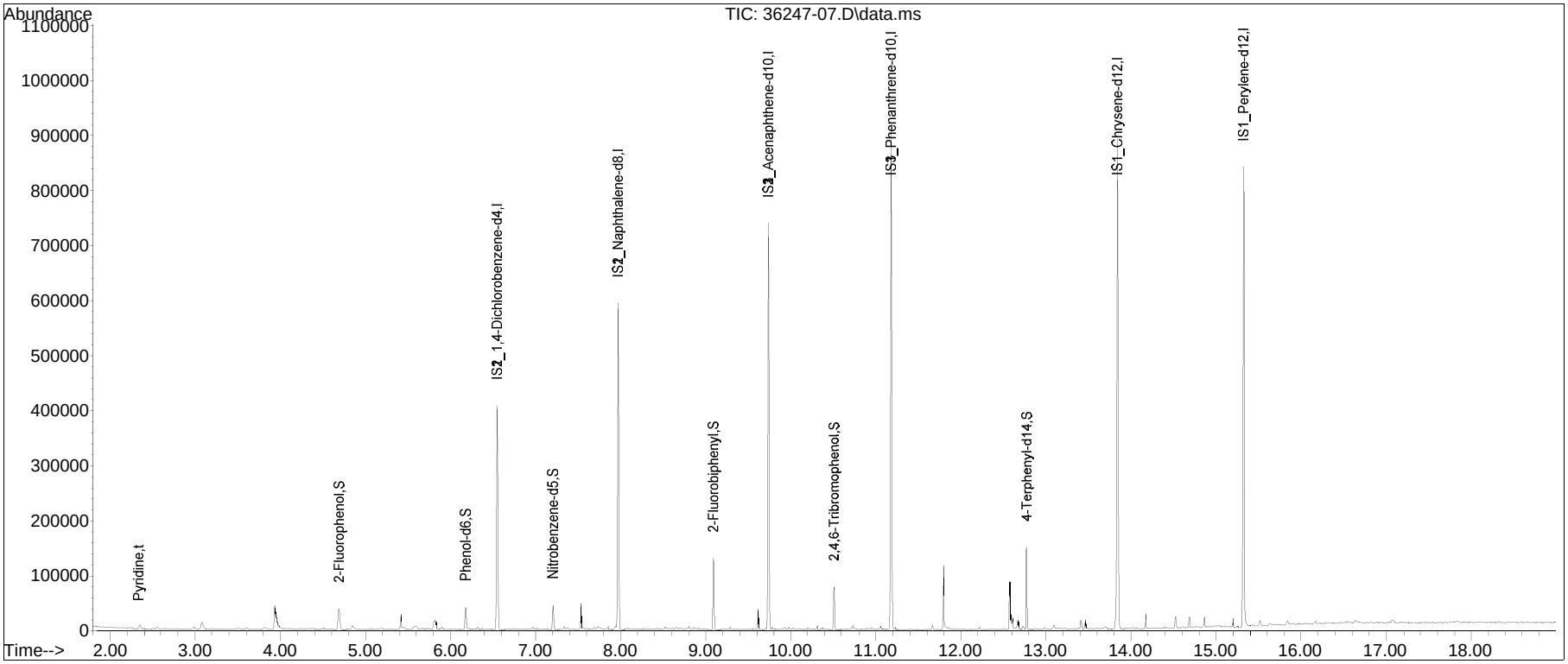
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-07.D
Acq On : 16 Jun 2025 12:51 am
Operator : SV106:smz
Sample : L2536247-07,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jun 23 09:17:46 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-07.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 12:51 am	Instrument	: SV 106
Sample	: L2536247-07,32,,ASK	Quant Date	: 6/16/2025 1:10 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-08.D
Acq On : 16 Jun 2025 1:14 am
Operator : SV106:smz
Sample : L2536247-08,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 09:18:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	55893	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 102.09%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	55893	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 105.48%				
35) IS1_Naphthalene-d8	7.969	136	202955	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 103.37%				
55) IS2_Naphthalene-d8	7.969	136	202955	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 110.61%				
63) IS1_Acenaphthene-d10	9.733	164	127605	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 110.23%				
83) IS2_Acenaphthene-d10	9.733	164	127605	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 118.38%				
86) IS3_Acenaphthene-d10	9.733	164	127605	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 116.35%				
88) IS1_Phenanthrene-d10	11.180	188	268116	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 115.83%				
100) IS3_Phenanthrene-d10	11.180	188	268116	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 115.82%				
104) IS1_Chrysene-d12	13.839	240	277296	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 104.73%				
113) IS1_Perylene-d12	15.321	264	288252	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 106.85%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	15142	0.960	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 48.00%				
7) Phenol-d6	6.181	99	11308	0.612	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.60%				
19) Nitrobenzene-d5	7.204	82	12749	0.833	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 83.30%				
46) 2-Fluorobiphenyl	9.092	172	37134	0.793	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.30%				
79) 2,4,6-Tribromophenol	10.510	330	9089	1.385	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.25%				
96) 4-Terphenyl-d14	12.774	244	50184	0.721	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.10%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-08.D
Acq On : 16 Jun 2025 1:14 am
Operator : SV106:smz
Sample : L2536247-08,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 09:18:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-08.D
Acq On : 16 Jun 2025 1:14 am
Operator : SV106:smz
Sample : L2536247-08,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 09:18:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

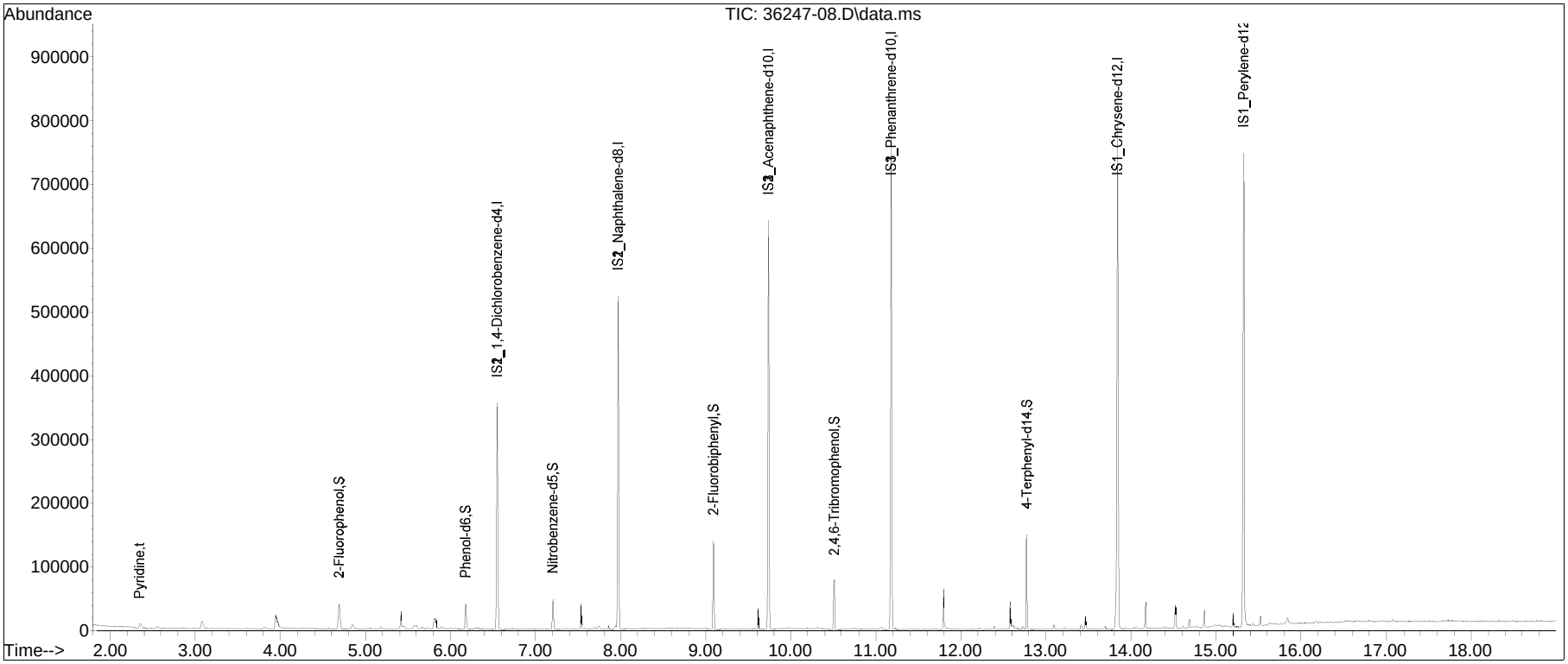
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-08.D
Acq On : 16 Jun 2025 1:14 am
Operator : SV106:smz
Sample : L2536247-08,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Jun 23 09:18:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-08.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 1:14 am	Instrument	: SV 106
Sample	: L2536247-08,32,,ASK	Quant Date	: 6/16/2025 1:34 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-09.D
Acq On : 16 Jun 2025 1:38 am
Operator : SV106:smz
Sample : L2536247-09,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 09:18:42 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	58950	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 107.67%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	58950	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 111.25%				
35) IS1_Naphthalene-d8	7.969	136	211907	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 107.93%				
55) IS2_Naphthalene-d8	7.969	136	211907	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 115.49%				
63) IS1_Acenaphthene-d10	9.733	164	129347	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 111.73%				
83) IS2_Acenaphthene-d10	9.733	164	129347	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 120.00%				
86) IS3_Acenaphthene-d10	9.733	164	129347	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 117.94%				
88) IS1_Phenanthrene-d10	11.180	188	279603	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 120.79%				
100) IS3_Phenanthrene-d10	11.180	188	279603	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 120.78%				
104) IS1_Chrysene-d12	13.839	240	281437	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 106.29%				
113) IS1_Perylene-d12	15.321	264	293919	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 108.95%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	12275	0.738	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.90%				
7) Phenol-d6	6.181	99	10578	0.543	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.15%				
19) Nitrobenzene-d5	7.204	82	10760	0.666	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.60%				
46) 2-Fluorobiphenyl	9.092	172	29314	0.599	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.90%				
79) 2,4,6-Tribromophenol	10.510	330	7167	1.078	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 53.90%				
96) 4-Terphenyl-d14	12.774	244	43255	0.596	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 59.60%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-09.D
Acq On : 16 Jun 2025 1:38 am
Operator : SV106:smz
Sample : L2536247-09,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 09:18:42 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-09.D
Acq On : 16 Jun 2025 1:38 am
Operator : SV106:smz
Sample : L2536247-09,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 09:18:42 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

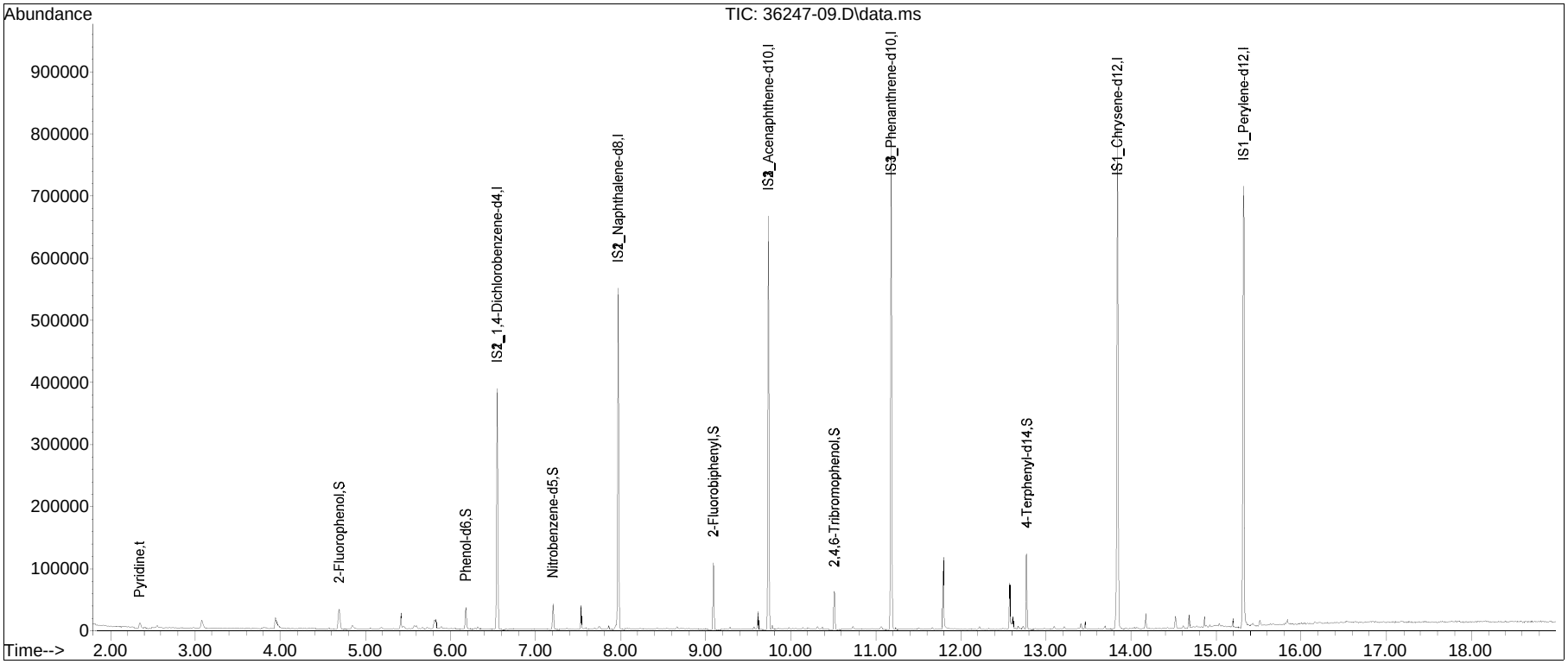
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-09.D
Acq On : 16 Jun 2025 1:38 am
Operator : SV106:smz
Sample : L2536247-09,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Jun 23 09:18:42 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-09.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 1:38 am	Instrument	: SV 106
Sample	: L2536247-09,32,,ASK	Quant Date	: 6/16/2025 1:57 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-10.D
Acq On : 16 Jun 2025 2:01 am
Operator : SV106:smz
Sample : L2536247-10,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 09:19:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	55845	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 102.00%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	55845	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 105.39%				
35) IS1_Naphthalene-d8	7.969	136	215961	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 110.00%				
55) IS2_Naphthalene-d8	7.969	136	215961	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 117.70%				
63) IS1_Acenaphthene-d10	9.733	164	131712	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 113.78%				
83) IS2_Acenaphthene-d10	9.733	164	131712	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 122.19%				
86) IS3_Acenaphthene-d10	9.733	164	131712	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 120.09%				
88) IS1_Phenanthrene-d10	11.180	188	270732	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 116.96%				
100) IS3_Phenanthrene-d10	11.180	188	270732	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 116.95%				
104) IS1_Chrysene-d12	13.839	240	269113	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 101.64%				
113) IS1_Perylene-d12	15.321	264	275693	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 102.19%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	13804	0.876	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.80%				
7) Phenol-d6	6.181	99	11436	0.619	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.95%				
19) Nitrobenzene-d5	7.204	82	13327	0.871	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 87.10%				
46) 2-Fluorobiphenyl	9.092	172	37223	0.747	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.70%				
79) 2,4,6-Tribromophenol	10.510	330	8885	1.312	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 65.60%				
96) 4-Terphenyl-d14	12.774	244	51203	0.729	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.90%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-10.D
Acq On : 16 Jun 2025 2:01 am
Operator : SV106:smz
Sample : L2536247-10,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 09:19:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-10.D
Acq On : 16 Jun 2025 2:01 am
Operator : SV106:smz
Sample : L2536247-10,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 09:19:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

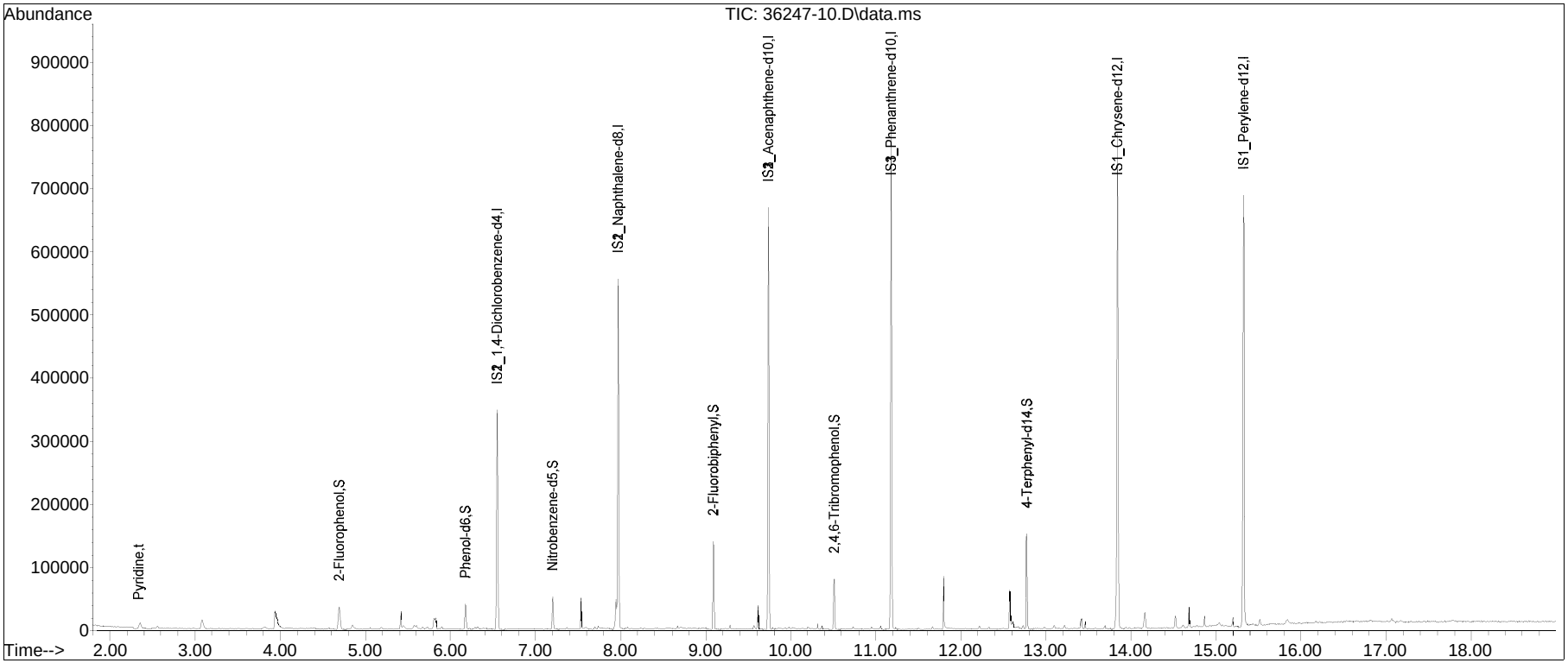
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-10.D
Acq On : 16 Jun 2025 2:01 am
Operator : SV106:smz
Sample : L2536247-10,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 23 09:19:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-10.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 2:01 am	Instrument	: SV 106
Sample	: L2536247-10,32,,ASK	Quant Date	: 6/16/2025 2:20 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-11.D
Acq On : 16 Jun 2025 2:24 am
Operator : SV106:smz
Sample : L2536247-11,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 09:21:20 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	55406	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 101.20%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	55406	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 104.56%				
35) IS1_Naphthalene-d8	7.969	136	203640	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 103.72%				
55) IS2_Naphthalene-d8	7.969	136	203640	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 110.98%				
63) IS1_Acenaphthene-d10	9.733	164	129864	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 112.18%				
83) IS2_Acenaphthene-d10	9.733	164	129864	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 120.48%				
86) IS3_Acenaphthene-d10	9.733	164	129864	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 118.41%				
88) IS1_Phenanthrene-d10	11.180	188	268695	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 116.08%				
100) IS3_Phenanthrene-d10	11.180	188	268695	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 116.07%				
104) IS1_Chrysene-d12	13.839	240	273827	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 103.42%				
113) IS1_Perylene-d12	15.321	264	289367	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 107.26%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	14386	0.920	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.00%				
7) Phenol-d6	6.181	99	11222	0.613	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.65%				
19) Nitrobenzene-d5	7.204	82	12043	0.794	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.40%				
46) 2-Fluorobiphenyl	9.092	172	34878	0.742	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.20%				
79) 2,4,6-Tribromophenol	10.510	330	8159	1.222	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 61.10%				
96) 4-Terphenyl-d14	12.774	244	48259	0.692	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 69.20%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-11.D
Acq On : 16 Jun 2025 2:24 am
Operator : SV106:smz
Sample : L2536247-11,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 09:21:20 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-11.D
Acq On : 16 Jun 2025 2:24 am
Operator : SV106:smz
Sample : L2536247-11,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 09:21:20 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

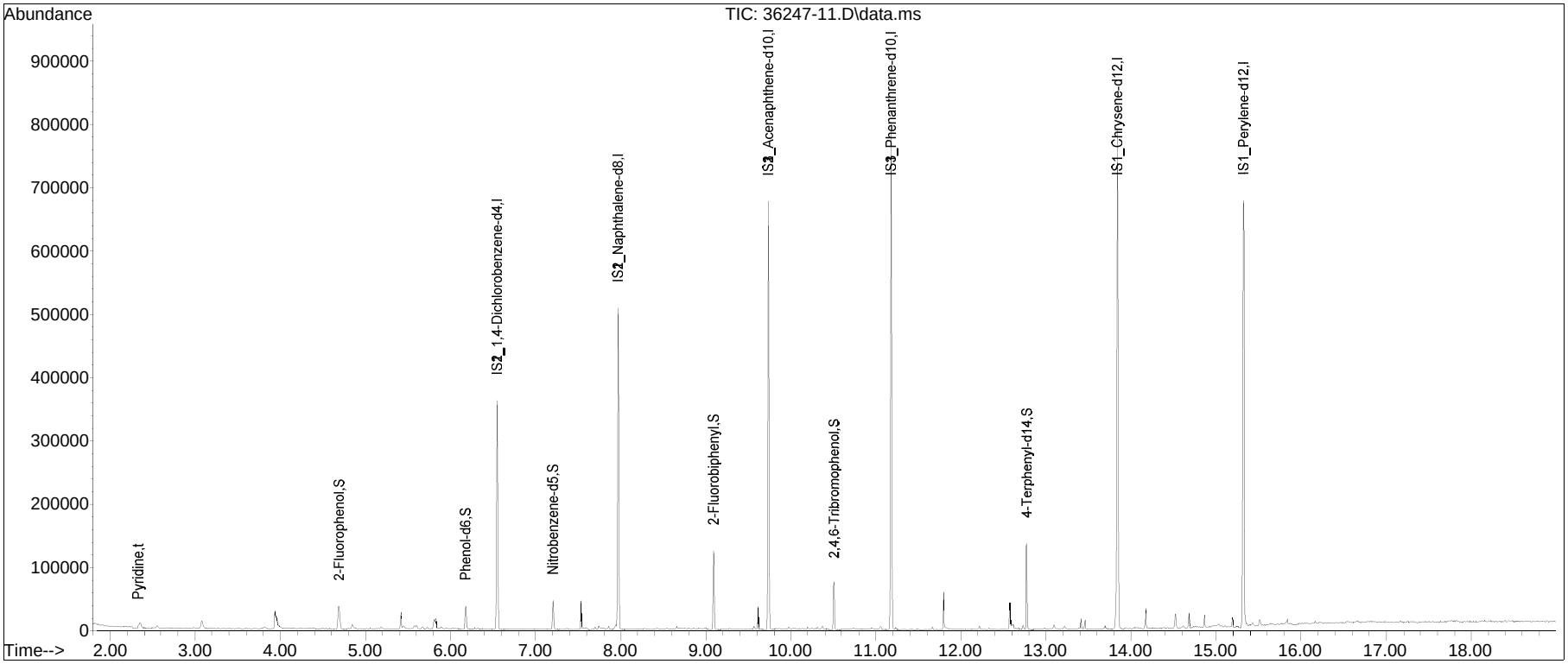
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-11.D
Acq On : 16 Jun 2025 2:24 am
Operator : SV106:smz
Sample : L2536247-11,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 23 09:21:20 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-11.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 2:24 am	Instrument	: SV 106
Sample	: L2536247-11,32,,ASK	Quant Date	: 6/16/2025 2:44 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-12.D
Acq On : 16 Jun 2025 3:34 am
Operator : SV106:smz
Sample : L2536247-12,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 09:21:47 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	56489	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 103.18%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	56489	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 106.60%				
35) IS1_Naphthalene-d8	7.969	136	205754	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 104.80%				
55) IS2_Naphthalene-d8	7.969	136	205754	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 112.13%				
63) IS1_Acenaphthene-d10	9.733	164	130471	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 112.70%				
83) IS2_Acenaphthene-d10	9.733	164	130471	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 121.04%				
86) IS3_Acenaphthene-d10	9.733	164	130471	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 118.96%				
88) IS1_Phenanthrene-d10	11.180	188	271177	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 117.15%				
100) IS3_Phenanthrene-d10	11.180	188	271177	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 117.14%				
104) IS1_Chrysene-d12	13.839	240	275168	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 103.93%				
113) IS1_Perylene-d12	15.321	264	285140	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 105.70%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	13673	0.858	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.90%				
7) Phenol-d6	6.181	99	10437	0.559	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.95%				
19) Nitrobenzene-d5	7.204	82	11241	0.726	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.60%				
46) 2-Fluorobiphenyl	9.092	172	32306	0.680	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.00%				
79) 2,4,6-Tribromophenol	10.510	330	8053	1.200	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 60.00%				
96) 4-Terphenyl-d14	12.774	244	46649	0.663	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.30%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-12.D
Acq On : 16 Jun 2025 3:34 am
Operator : SV106:smz
Sample : L2536247-12,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 09:21:47 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-12.D
Acq On : 16 Jun 2025 3:34 am
Operator : SV106:smz
Sample : L2536247-12,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 09:21:47 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

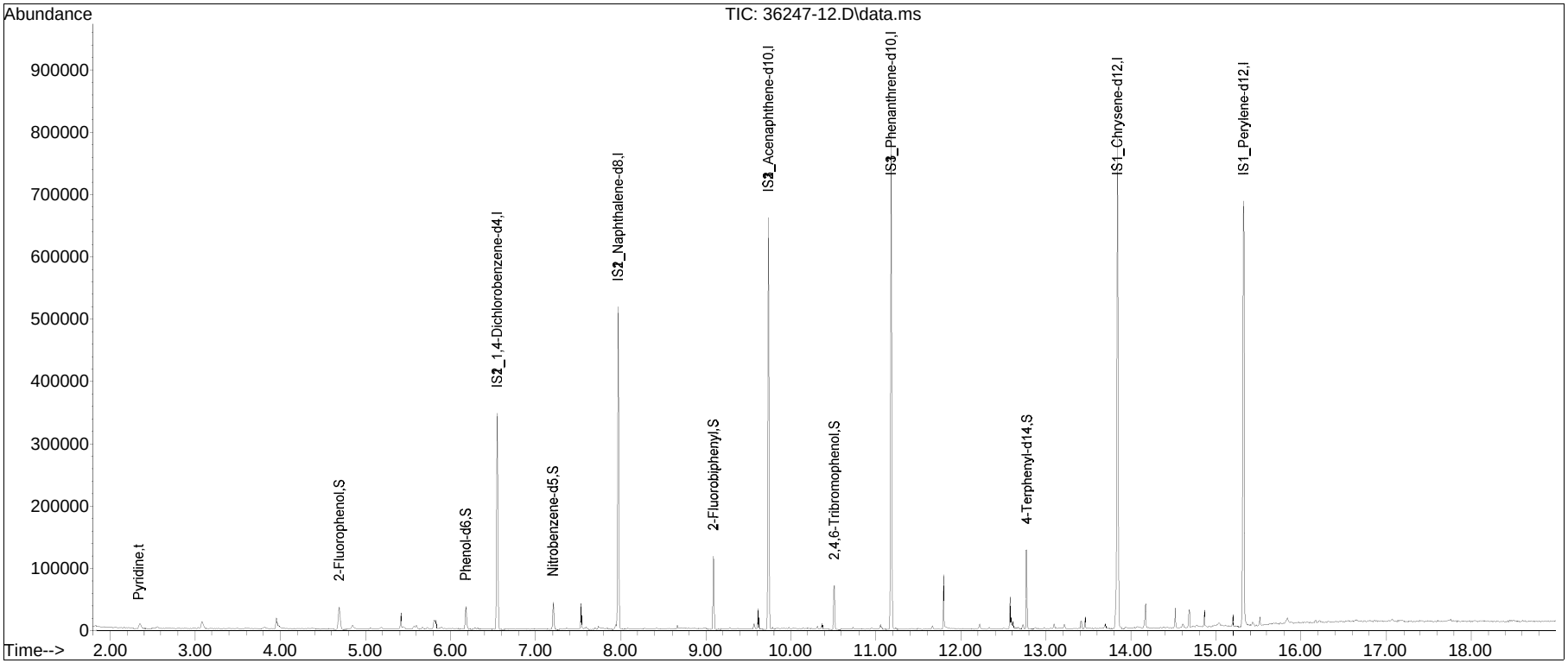
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-12.D
Acq On : 16 Jun 2025 3:34 am
Operator : SV106:smz
Sample : L2536247-12,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 09:21:47 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-12.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 3:34 am	Instrument	: SV 106
Sample	: L2536247-12,32,,ASK	Quant Date	: 6/16/2025 3:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-13.D
Acq On : 16 Jun 2025 3:58 am
Operator : SV106:smz
Sample : L2536247-13,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 23 09:22:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	62146	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 113.51%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	62146	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 117.28%				
35) IS1_Naphthalene-d8	7.969	136	225060	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 114.63%				
55) IS2_Naphthalene-d8	7.969	136	225060	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 122.66%				
63) IS1_Acenaphthene-d10	9.733	164	142378	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 122.99%				
83) IS2_Acenaphthene-d10	9.733	164	142378	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 132.09%				
86) IS3_Acenaphthene-d10	9.733	164	142378	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 129.82%				
88) IS1_Phenanthrene-d10	11.180	188	297095	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 128.35%				
100) IS3_Phenanthrene-d10	11.180	188	297095	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 128.33%				
104) IS1_Chrysene-d12	13.839	240	294906	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 111.38%				
113) IS1_Perylene-d12	15.321	264	299157	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 110.89%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	14653	0.836	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.80%				
7) Phenol-d6	6.181	99	12867	0.626	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.30%				
19) Nitrobenzene-d5	7.204	82	14047	0.825	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 82.50%				
46) 2-Fluorobiphenyl	9.092	172	40375	0.777	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.70%				
79) 2,4,6-Tribromophenol	10.510	330	9178	1.254	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.70%				
96) 4-Terphenyl-d14	12.774	244	56180	0.729	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.90%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-13.D
Acq On : 16 Jun 2025 3:58 am
Operator : SV106:smz
Sample : L2536247-13,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 23 09:22:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-13.D
Acq On : 16 Jun 2025 3:58 am
Operator : SV106:smz
Sample : L2536247-13,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 23 09:22:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

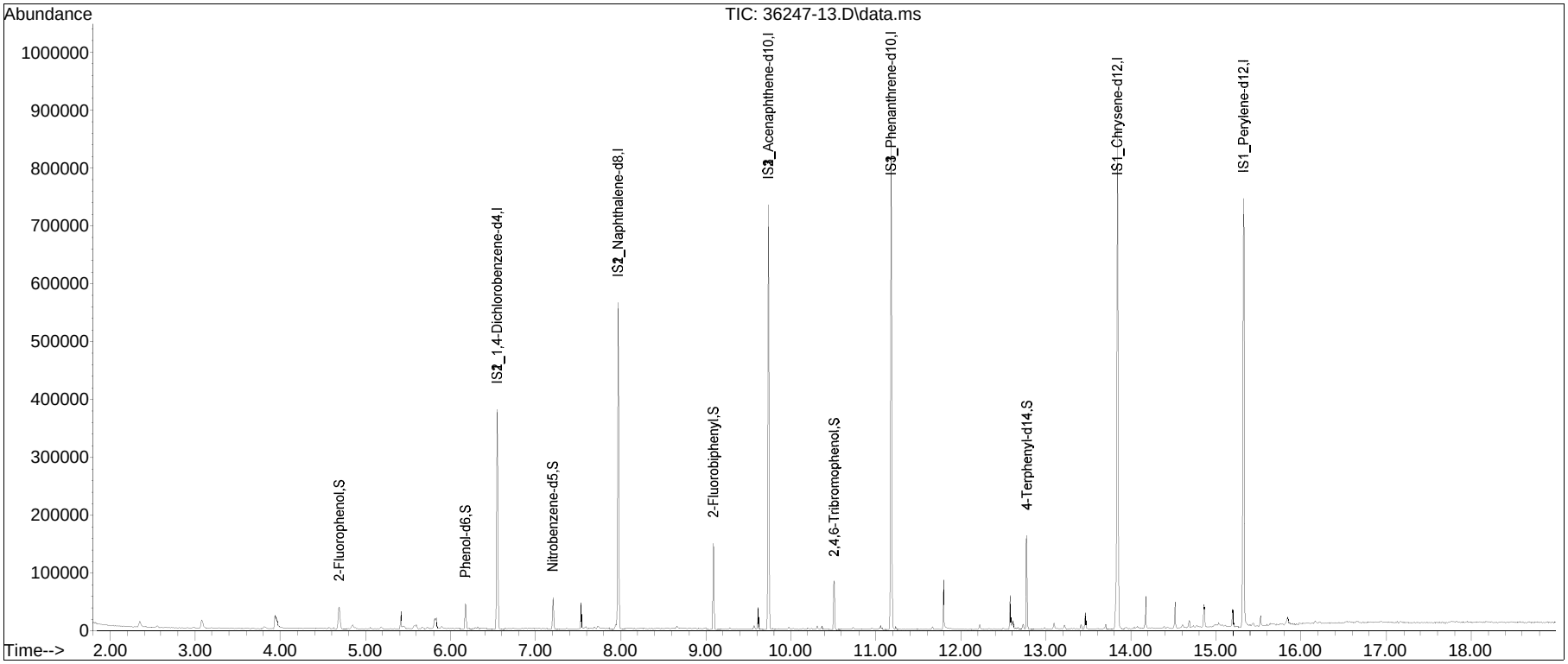
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-13.D
Acq On : 16 Jun 2025 3:58 am
Operator : SV106:smz
Sample : L2536247-13,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 23 09:22:16 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-13.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 3:58 am	Instrument	: SV 106
Sample	: L2536247-13,32,,ASK	Quant Date	: 6/16/2025 4:17 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-14.D
Acq On : 16 Jun 2025 4:21 am
Operator : SV106:smz
Sample : L2536247-14,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 23 09:23:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	56105	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 102.48%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	56105	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 105.88%				
35) IS1_Naphthalene-d8	7.969	136	210928	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 107.43%				
55) IS2_Naphthalene-d8	7.969	136	210928	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 114.95%				
63) IS1_Acenaphthene-d10	9.733	164	129099	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 111.52%				
83) IS2_Acenaphthene-d10	9.733	164	129099	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 119.77%				
86) IS3_Acenaphthene-d10	9.733	164	129099	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 117.71%				
88) IS1_Phenanthrene-d10	11.180	188	274839	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 118.73%				
100) IS3_Phenanthrene-d10	11.180	188	274839	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 118.72%				
104) IS1_Chrysene-d12	13.839	240	281546	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 106.34%				
113) IS1_Perylene-d12	15.321	264	286722	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 106.28%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.687	112	13302	0.841	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.05%				
7) Phenol-d6	6.181	99	10253	0.553	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 27.65%				
19) Nitrobenzene-d5	7.204	82	12012	0.782	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.20%				
46) 2-Fluorobiphenyl	9.092	172	35239	0.724	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.40%				
79) 2,4,6-Tribromophenol	10.510	330	9044	1.363	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 68.15%				
96) 4-Terphenyl-d14	12.774	244	50408	0.707	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.70%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-14.D
Acq On : 16 Jun 2025 4:21 am
Operator : SV106:smz
Sample : L2536247-14,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 23 09:23:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-14.D
Acq On : 16 Jun 2025 4:21 am
Operator : SV106:smz
Sample : L2536247-14,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 23 09:23:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

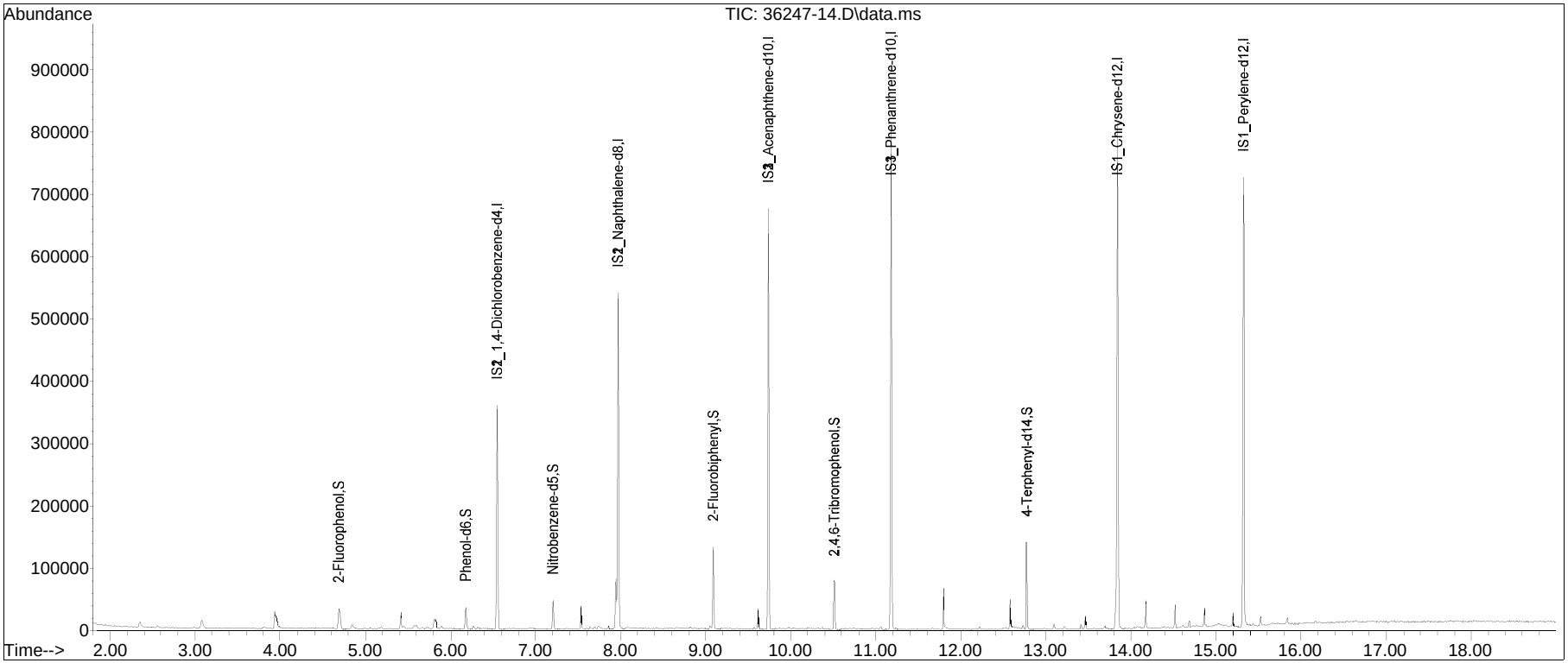
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-14.D
Acq On : 16 Jun 2025 4:21 am
Operator : SV106:smz
Sample : L2536247-14,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 23 09:23:13 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-14.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 4:21 am	Instrument	: SV 106
Sample	: L2536247-14,32,,ASK	Quant Date	: 6/16/2025 4:41 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-15.D
Acq On : 16 Jun 2025 4:45 am
Operator : SV106:smz
Sample : L2536247-15,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 10:10:32 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.551	152	60450	4.000	ug/ml	0.00
Standard Area 1 = 54749			Recovery = 110.41%			
27) IS2_1,4-Dichlorobenzen...	6.551	152	60450	4.000	ug/ml	0.00
Standard Area 3 = 52990			Recovery = 114.08%			
35) IS1_Naphthalene-d8	7.969	136	223430	4.000	ug/ml	# 0.00
Standard Area 1 = 196335			Recovery = 113.80%			
55) IS2_Naphthalene-d8	7.969	136	223430	4.000	ug/ml	# 0.00
Standard Area 3 = 183489			Recovery = 121.77%			
63) IS1_Acenaphthene-d10	9.733	164	140555	4.000	ug/ml	0.00
Standard Area 1 = 115764			Recovery = 121.42%			
83) IS2_Acenaphthene-d10	9.733	164	140555	4.000	ug/ml	0.00
Standard Area 3 = 107792			Recovery = 130.39%			
86) IS3_Acenaphthene-d10	9.733	164	140555	4.000	ug/ml	0.00
Standard Area 2 = 109676			Recovery = 128.15%			
88) IS1_Phenanthrene-d10	11.180	188	289706	4.000	ug/ml	0.00
Standard Area 1 = 231478			Recovery = 125.15%			
100) IS3_Phenanthrene-d10	11.180	188	289706	4.000	ug/ml	0.00
Standard Area 2 = 231501			Recovery = 125.14%			
104) IS1_Chrysene-d12	13.839	240	282197	4.000	ug/ml	0.00
Standard Area 1 = 264770			Recovery = 106.58%			
113) IS1_Perylene-d12	15.321	264	289982	4.000	ug/ml	0.00
Standard Area 1 = 269774			Recovery = 107.49%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.692	112	12322	0.723	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.15%			
7) Phenol-d6	6.181	99	10099	0.505	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.25%			
19) Nitrobenzene-d5	7.204	82	12891	0.779	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.90%			
46) 2-Fluorobiphenyl	9.092	172	35533	0.689	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 68.90%			
79) 2,4,6-Tribromophenol	10.510	330	8561	1.185	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.25%			
96) 4-Terphenyl-d14	12.774	244	47371	0.630	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.00%			

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-15.D
Acq On : 16 Jun 2025 4:45 am
Operator : SV106:smz
Sample : L2536247-15,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 10:10:32 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.	d	
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	7.045	105	5990	0.241	ug/ml#	92
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-15.D
Acq On : 16 Jun 2025 4:45 am
Operator : SV106:smz
Sample : L2536247-15,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 10:10:32 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

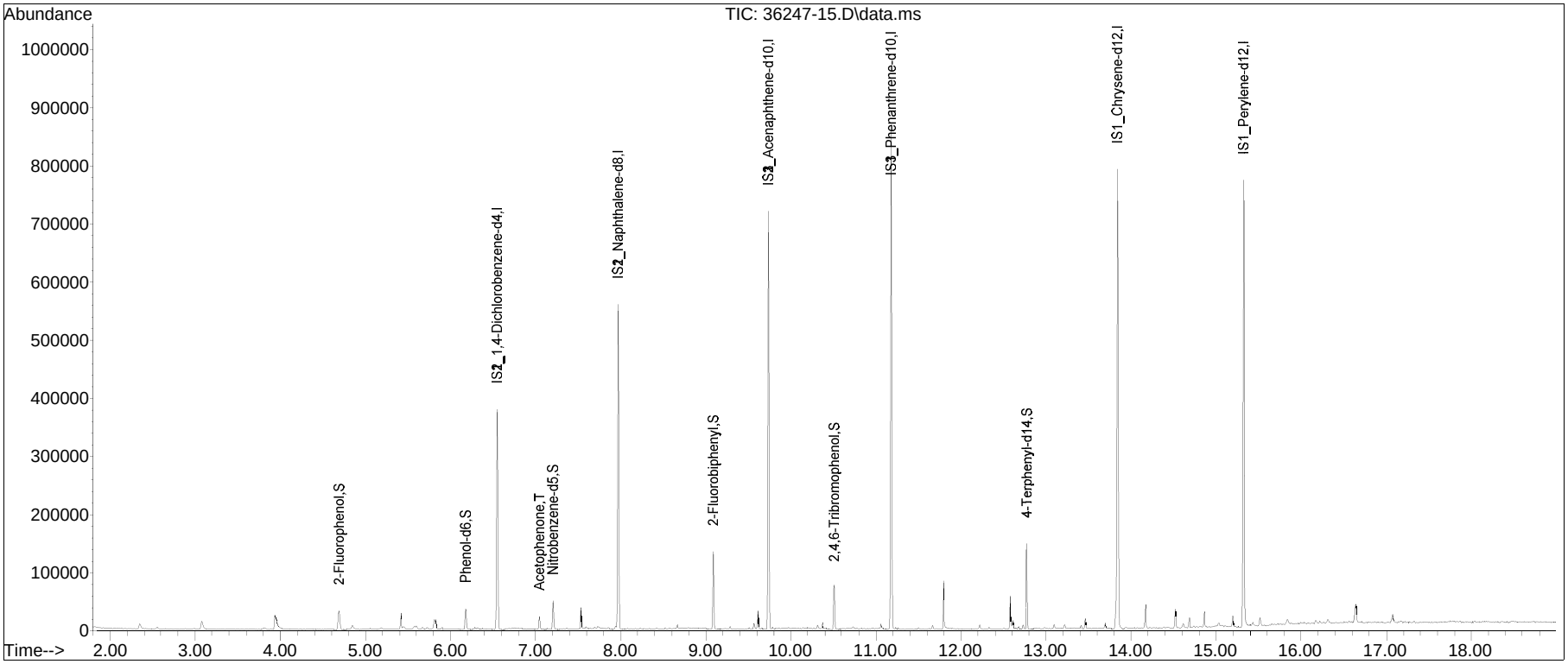
(#) = qualifier out of range (m) = manual integration (+) = signals summed

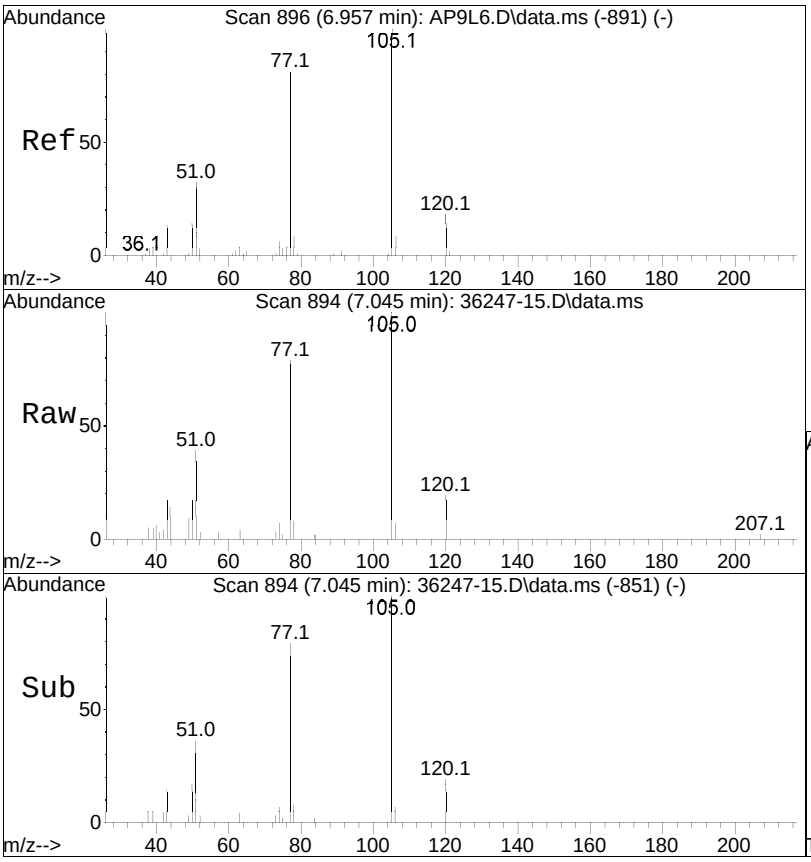
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-15.D
Acq On : 16 Jun 2025 4:45 am
Operator : SV106:smz
Sample : L2536247-15,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 10:10:32 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•

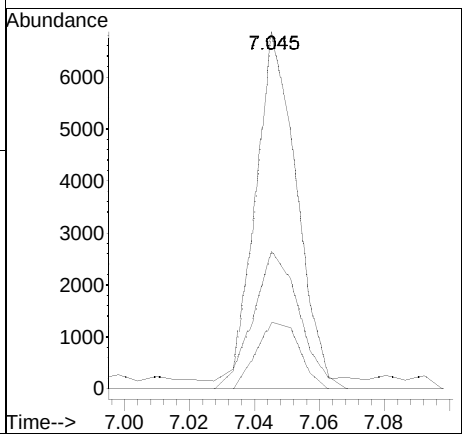




#29
Acetophenone
Concen: 0.24 ug/ml
RT: 7.045 min Scan# 894
Delta R.T. 0.000 min
Lab File: 36247-15.D
Acq: 16 Jun 2025 4:45 am

Tgt Ion:105 Resp: 5990

Ion	Ratio	Lower	Upper
105	100		
120	19.6	20.5	30.7#
51	39.8	34.9	52.3



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-15.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 4:45 am	Instrument	: SV 106
Sample	: L2536247-15,32,,ASK	Quant Date	: 6/16/2025 5:04 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-16.D
Acq On : 16 Jun 2025 5:08 am
Operator : SV106:smz
Sample : L2536247-16,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 09:49:10 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	58176	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 106.26%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	58176	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 109.79%				
35) IS1_Naphthalene-d8	7.969	136	208289	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 106.09%				
55) IS2_Naphthalene-d8	7.969	136	208289	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 113.52%				
63) IS1_Acenaphthene-d10	9.733	164	137488	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 118.77%				
83) IS2_Acenaphthene-d10	9.733	164	137488	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 127.55%				
86) IS3_Acenaphthene-d10	9.733	164	137488	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 125.36%				
88) IS1_Phenanthrene-d10	11.180	188	290690	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 125.58%				
100) IS3_Phenanthrene-d10	11.180	188	290690	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 125.57%				
104) IS1_Chrysene-d12	13.839	240	285874	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 107.97%				
113) IS1_Perylene-d12	15.321	264	294463	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 109.15%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	13494	0.822	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 41.10%				
7) Phenol-d6	6.181	99	11769	0.612	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 30.60%				
19) Nitrobenzene-d5	7.204	82	11992	0.753	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.30%				
46) 2-Fluorobiphenyl	9.092	172	35496	0.738	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 73.80%				
79) 2,4,6-Tribromophenol	10.510	330	8380	1.185	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 59.25%				
96) 4-Terphenyl-d14	12.774	244	52914	0.702	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.20%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-16.D
Acq On : 16 Jun 2025 5:08 am
Operator : SV106:smz
Sample : L2536247-16,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 09:49:10 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-16.D
Acq On : 16 Jun 2025 5:08 am
Operator : SV106:smz
Sample : L2536247-16,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 09:49:10 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	
76) 4,6-Dinitro-o-cresol	0.000		0		N.D.	
77) NDPA/DPA	0.000		0		N.D.	
80) 4-Bromophenyl phenyl e...	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	d
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109) Di-n-octylphthalate	0.000		0		N.D.	d

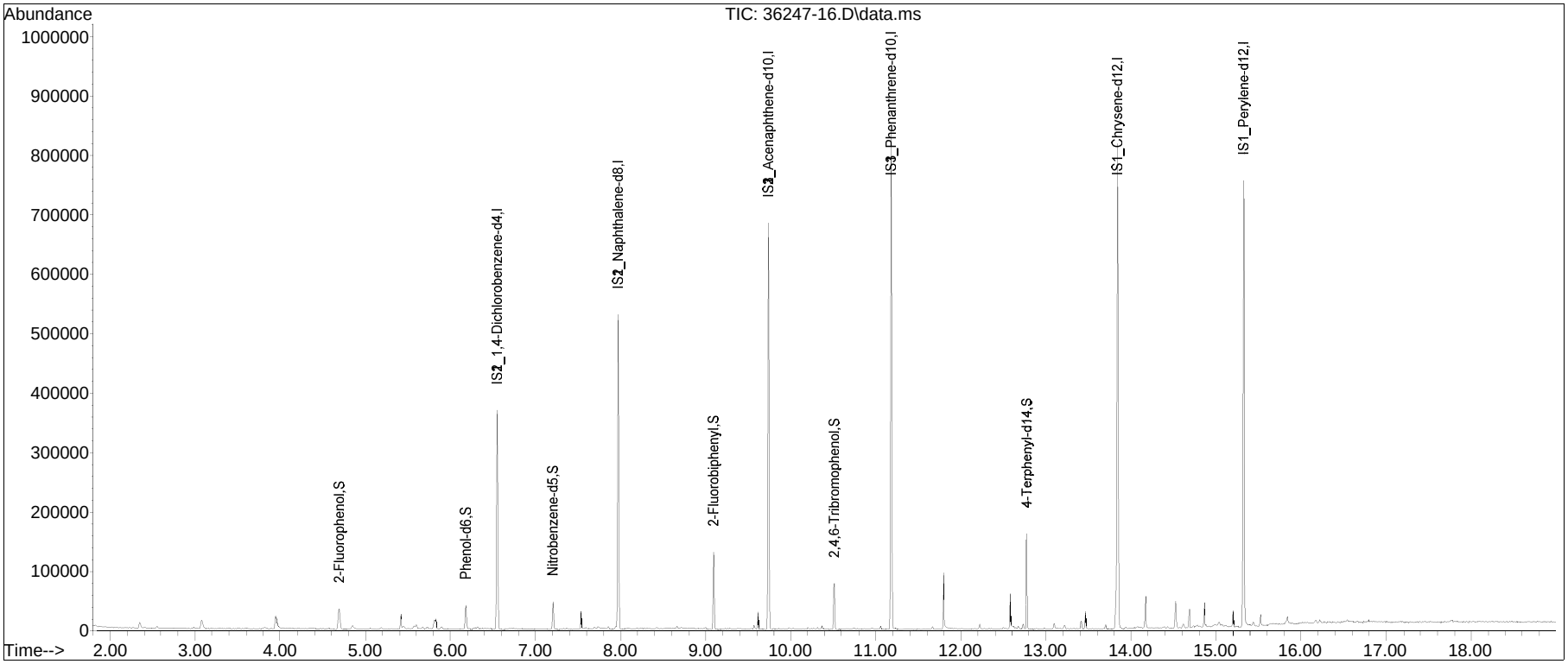
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-16.D
Acq On : 16 Jun 2025 5:08 am
Operator : SV106:smz
Sample : L2536247-16,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 09:49:10 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-16.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 5:08 am	Instrument	: SV 106
Sample	: L2536247-16,32,,ASK	Quant Date	: 6/16/2025 5:27 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-17.D
Acq On : 16 Jun 2025 5:31 am
Operator : SV106:smz
Sample : L2536247-17,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 09:49:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	61808	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 112.89%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	61808	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 116.64%				
35) IS1_Naphthalene-d8	7.969	136	211335	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 107.64%				
55) IS2_Naphthalene-d8	7.969	136	211335	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 115.18%				
63) IS1_Acenaphthene-d10	9.733	164	133019	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 114.91%				
83) IS2_Acenaphthene-d10	9.733	164	133019	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 123.40%				
86) IS3_Acenaphthene-d10	9.733	164	133019	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 121.28%				
88) IS1_Phenanthrene-d10	11.180	188	282891	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 122.21%				
100) IS3_Phenanthrene-d10	11.180	188	282891	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 122.20%				
104) IS1_Chrysene-d12	13.839	240	281283	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 106.24%				
113) IS1_Perylene-d12	15.321	264	289448	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 107.29%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	9042	0.519	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 25.95%				
7) Phenol-d6	6.181	99	8231	0.403	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 20.15%				
19) Nitrobenzene-d5	7.204	82	8660	0.512	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 51.20%				
46) 2-Fluorobiphenyl	9.092	172	24532	0.503	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 50.30%				
79) 2,4,6-Tribromophenol	10.510	330	7492	1.095	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 54.75%				
96) 4-Terphenyl-d14	12.774	244	46445	0.633	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 63.30%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-17.D
Acq On : 16 Jun 2025 5:31 am
Operator : SV106:smz
Sample : L2536247-17,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 09:49:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-17.D
Acq On : 16 Jun 2025 5:31 am
Operator : SV106:smz
Sample : L2536247-17,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 09:49:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

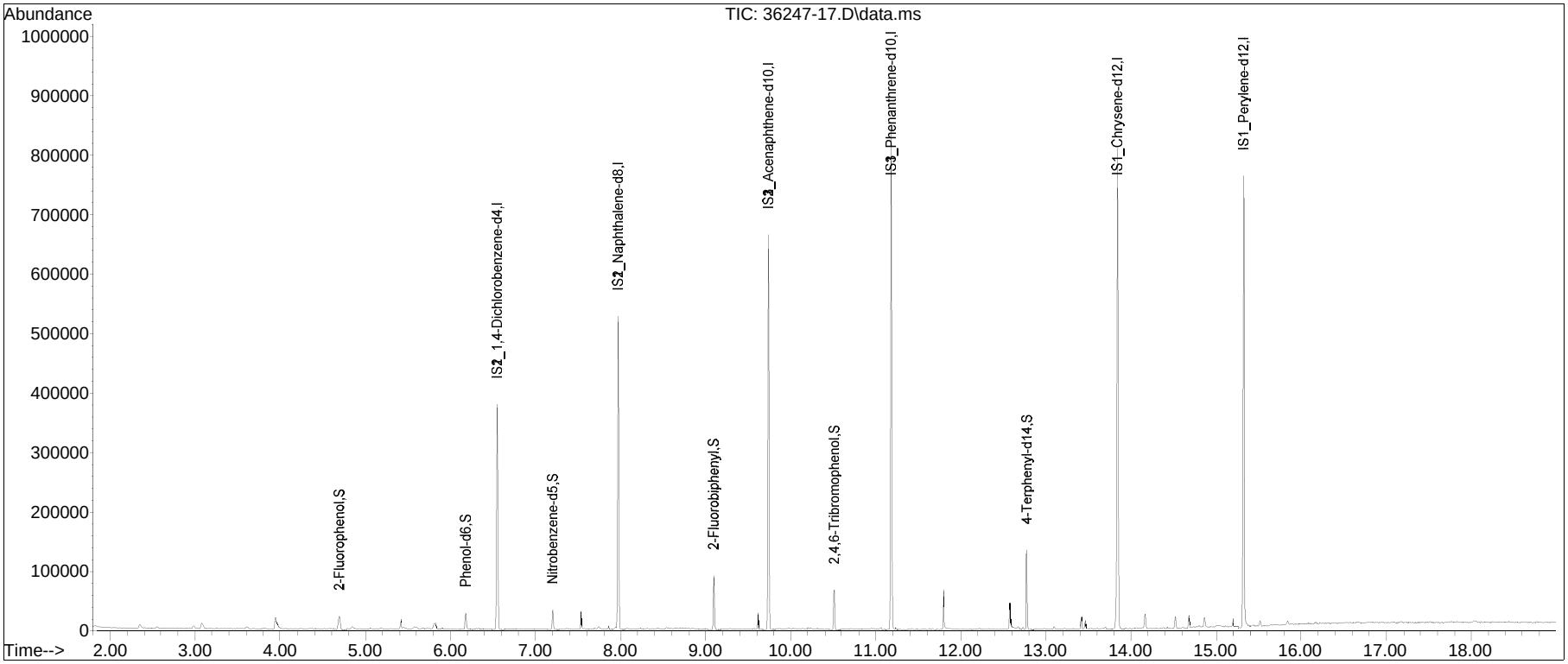
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-17.D
Acq On : 16 Jun 2025 5:31 am
Operator : SV106:smz
Sample : L2536247-17,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 09:49:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-17.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 5:31 am	Instrument	: SV 106
Sample	: L2536247-17,32,,ASK	Quant Date	: 6/16/2025 5:51 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-18.D
Acq On : 16 Jun 2025 5:55 am
Operator : SV106:smz
Sample : L2536247-18,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 09:50:11 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.551	152	58777	4.000 ug/ml	0.00
Standard Area 1 = 54749			Recovery = 107.36%		
27) IS2_1,4-Dichlorobenzen...	6.551	152	58777	4.000 ug/ml	0.00
Standard Area 3 = 52990			Recovery = 110.92%		
35) IS1_Naphthalene-d8	7.969	136	213032	4.000 ug/ml	# 0.00
Standard Area 1 = 196335			Recovery = 108.50%		
55) IS2_Naphthalene-d8	7.969	136	213032	4.000 ug/ml	# 0.00
Standard Area 3 = 183489			Recovery = 116.10%		
63) IS1_Acenaphthene-d10	9.734	164	138642	4.000 ug/ml	0.00
Standard Area 1 = 115764			Recovery = 119.76%		
83) IS2_Acenaphthene-d10	9.734	164	138642	4.000 ug/ml	0.00
Standard Area 3 = 107792			Recovery = 128.62%		
86) IS3_Acenaphthene-d10	9.734	164	138642	4.000 ug/ml	0.00
Standard Area 2 = 109676			Recovery = 126.41%		
88) IS1_Phenanthrene-d10	11.180	188	283893	4.000 ug/ml	0.00
Standard Area 1 = 231478			Recovery = 122.64%		
100) IS3_Phenanthrene-d10	11.180	188	283893	4.000 ug/ml	0.00
Standard Area 2 = 231501			Recovery = 122.63%		
104) IS1_Chrysene-d12	13.839	240	288143	4.000 ug/ml	0.00
Standard Area 1 = 264770			Recovery = 108.83%		
113) IS1_Perylene-d12	15.321	264	300958	4.000 ug/ml	0.00
Standard Area 1 = 269774			Recovery = 111.56%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.693	112	15794	0.953 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.65%		
7) Phenol-d6	6.181	99	12046	0.620 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.00%		
19) Nitrobenzene-d5	7.204	82	12446	0.773 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 77.30%		
46) 2-Fluorobiphenyl	9.092	172	36507	0.742 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 74.20%		
79) 2,4,6-Tribromophenol	10.510	330	8989	1.261 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 63.05%		
96) 4-Terphenyl-d14	12.775	244	48812	0.663 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.30%		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-18.D
Acq On : 16 Jun 2025 5:55 am
Operator : SV106:smz
Sample : L2536247-18,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 09:50:11 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-18.D
Acq On : 16 Jun 2025 5:55 am
Operator : SV106:smz
Sample : L2536247-18,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 09:50:11 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		
91) Carbazole	0.000		0	N.D.		
92) Di-n-butylphthalate	0.000		0	N.D.	d	
97) Butyl benzyl phthalate	0.000		0	N.D.		
106) 3,3'-Dichlorobenzidine	0.000		0	N.D.		
108) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109) Di-n-octylphthalate	0.000		0	N.D.	d	

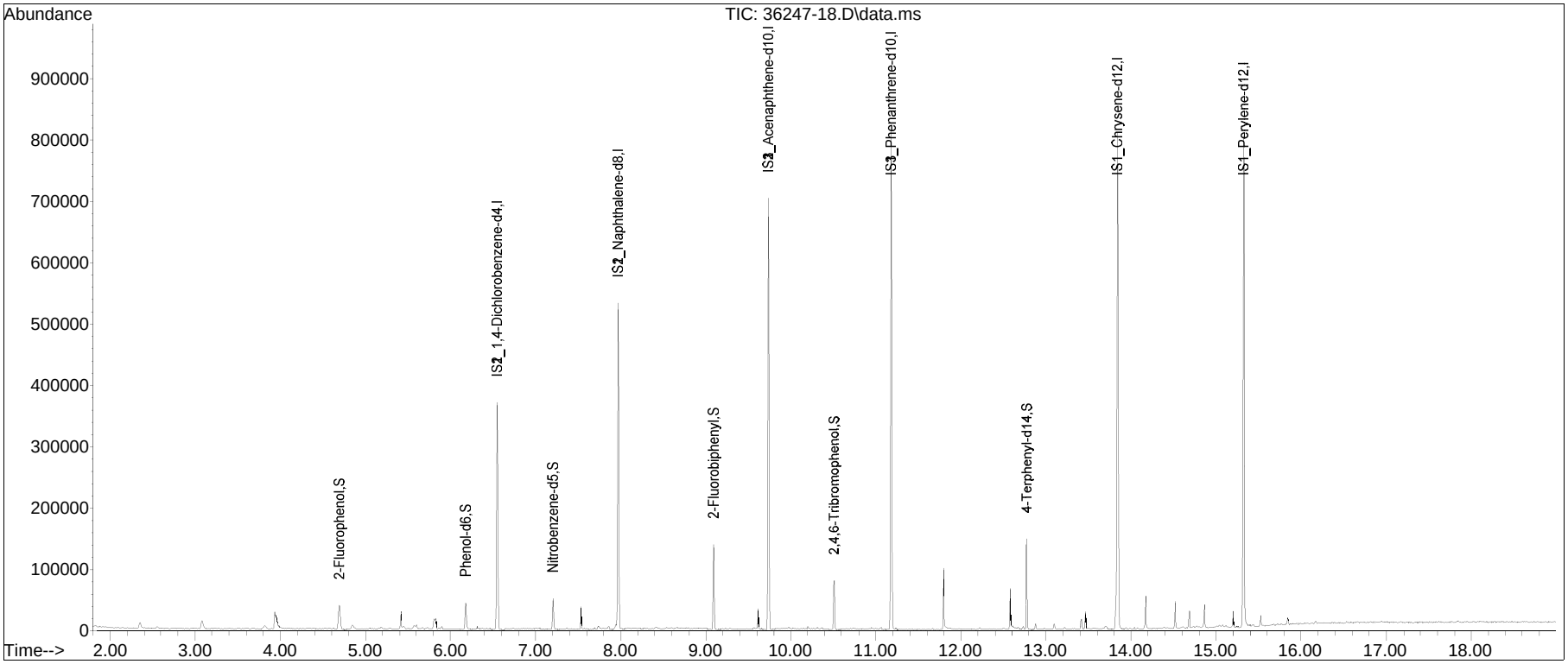
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-18.D
Acq On : 16 Jun 2025 5:55 am
Operator : SV106:smz
Sample : L2536247-18,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 09:50:11 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-18.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 5:55 am	Instrument	: SV 106
Sample	: L2536247-18,32,,ASK	Quant Date	: 6/16/2025 6:15 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-20.D
Acq On : 16 Jun 2025 6:18 am
Operator : SV106:smz
Sample : L2536247-20,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 23 09:50:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	53549	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 97.81%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	53549	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 101.05%				
35) IS1_Naphthalene-d8	7.969	136	199445	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 101.58%				
55) IS2_Naphthalene-d8	7.969	136	199445	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 108.70%				
63) IS1_Acenaphthene-d10	9.733	164	124184	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 107.27%				
83) IS2_Acenaphthene-d10	9.733	164	124184	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 115.21%				
86) IS3_Acenaphthene-d10	9.733	164	124184	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 113.23%				
88) IS1_Phenanthrene-d10	11.180	188	260372	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 112.48%				
100) IS3_Phenanthrene-d10	11.180	188	260372	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 112.47%				
104) IS1_Chrysene-d12	13.839	240	261625	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 98.81%				
113) IS1_Perylene-d12	15.321	264	271335	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 100.58%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	12970	0.859	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 42.95%				
7) Phenol-d6	6.181	99	10615	0.599	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.95%				
19) Nitrobenzene-d5	7.204	82	11057	0.754	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.40%				
46) 2-Fluorobiphenyl	9.092	172	32511	0.706	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.60%				
79) 2,4,6-Tribromophenol	10.510	330	8888	1.392	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 69.60%				
96) 4-Terphenyl-d14	12.774	244	53134	0.787	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 78.70%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-20.D
Acq On : 16 Jun 2025 6:18 am
Operator : SV106:smz
Sample : L2536247-20,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 23 09:50:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
9) Bis(2-chloroethyl)ether	0.000		0	N.D.		
10) 1,3-Dichlorobenzene	0.000		0	N.D.		
11) 1,4-Dichlorobenzene	0.000		0	N.D.		
12) 1,2-Dichlorobenzene	0.000		0	N.D.		
13) Benzyl alcohol	0.000		0	N.D.	d	
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
26) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
37) Benzoic Acid	0.000		0	N.D.	d	
38) 4-Chloroaniline	0.000		0	N.D.	d	
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.		
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
69) 4-Nitrophenol	0.000		0	N.D.	d	
72) Diethyl phthalate	0.000		0	N.D.		

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-20.D
Acq On : 16 Jun 2025 6:18 am
Operator : SV106:smz
Sample : L2536247-20,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 23 09:50:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
97)	Butyl benzyl phthalate	0.000		0	N.D.		
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	

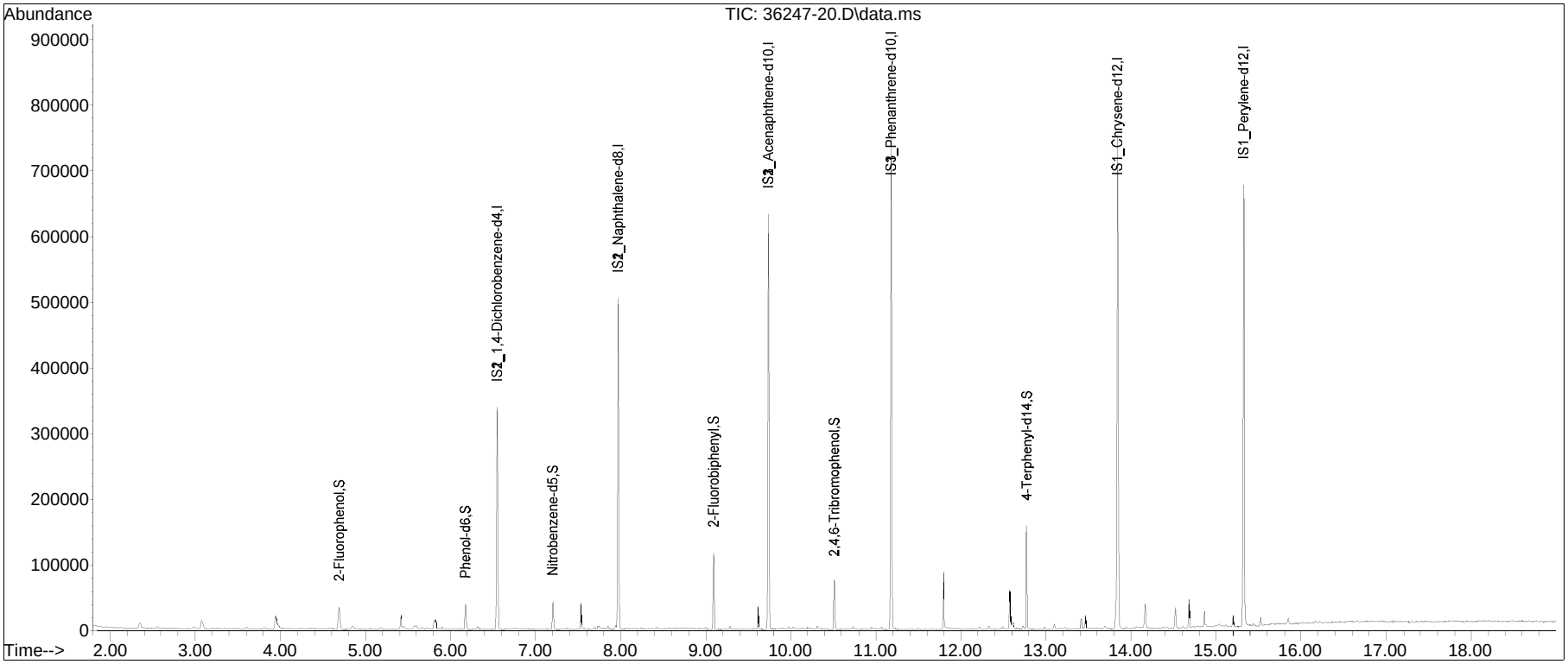
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 36247-20.D
Acq On : 16 Jun 2025 6:18 am
Operator : SV106:smz
Sample : L2536247-20,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 23 09:50:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 36247-20.D	Operator	: SV106:smz
Date Inj'd	: 6/16/2025 6:18 am	Instrument	: SV 106
Sample	: L2536247-20,32,,ASK	Quant Date	: 6/16/2025 6:37 am

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22075**
Calibration dates	**: 03/11/25 16:50 03/12/25 06:06**		

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D

L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.783	0.639	0.806	0.721	0.661	0.702	0.699	0.722	0.729	0.718	7.31
3)	t	Pyridine	1.339	1.093	1.529	1.236	1.201	1.149	1.191	1.244	1.273	1.251	10.09
4)	S	2-Fluorophenol	1.224	1.069	1.213	1.104	1.001	1.105	1.120	1.164	1.155	1.128	6.20
5)	T	Aniline	1.435	1.473	1.919	1.836	1.609	1.811	1.825	1.885	1.851	1.738	10.53
6)	t	2-Chlorophenol	1.198	1.133	1.316	1.271	1.151	1.200	1.235	1.253	1.205	1.218	4.74
7)	S	Phenol-d6	1.413	1.195	1.418	1.380	1.214	1.307	1.307	1.353	1.318	1.323	5.98
8)	T	Phenol	1.689	1.351	1.550	1.470	1.327	1.425	1.435	1.468	1.418	1.459	7.41
9)	T	bis(2-Chloroethyl)ether	1.263	1.082	1.308	1.252	1.050	1.135	1.126	1.130	1.088	1.159	7.91
10)	T	1,3-Dichlorobenzene	1.816	1.456	1.735	1.588	1.418	1.466	1.458	1.484	1.441	1.540	9.30
11)	T	1,4-Dichlorobenzene	1.775	1.571	1.744	1.599	1.419	1.539	1.507	1.527	1.489	1.574	7.42
12)	T	1,2-Dichlorobenzene	1.478	1.599	1.747	1.530	1.349	1.422	1.422	1.444	1.423	1.490	8.06
13)	t	Benzyl alcohol	0.936	0.785	0.924	0.877	0.840	0.905	0.944	0.994	0.988	0.910	7.45
14)	T	bis(2-chloroisopropyl)ether	3.091	2.730	3.138	2.726	2.446	2.605	2.535	2.564	2.500	2.704	9.30
15)	T	2-Methylphenol	1.421	1.210	1.452	1.326	1.213	1.227	1.184	1.291	1.220	1.283	7.62
16)	T	Hexachloroethane	0.595	0.543	0.555	0.568	0.502	0.539	0.536	0.544	0.533	0.546	4.72
17)	T	n-Nitrosodi-n-propylamine	0.885	0.765	0.920	0.849	0.776	0.846	0.856	0.902	0.894	0.855	6.33
18)	T	3-Methylphenol/4-Methylphenol	1.159	1.015	1.134	1.151	1.009	1.108	1.115	1.159	1.141	1.110	5.28
19)	S	Nitrobenzene-d5	1.074	0.972	1.124	1.108	0.964	1.102	1.139	1.210	1.168	1.096	7.53
20)	T	Nitrobenzene	1.087	1.017	1.105	1.088	1.032	1.137	1.184	1.229	1.185	1.118	6.41
21)	T	Isophorone	2.346	2.038	2.466	2.303	2.103	2.283	2.326	2.409	2.386	2.296	6.10
22)	T	2-Nitrophenol	0.450	0.400	0.518	0.481	0.457	0.512	0.554	0.609	0.599	0.509	13.74
23)	T	2,4-Dimethylphenol	1.252	1.058	1.221	1.170	1.096	1.227	1.222	1.278	1.261	1.198	6.32
24)	T	bis(2-Chloroethoxy)methane	2.026	1.644	1.872	1.648	1.492	1.468	1.436	1.469	1.695	1.639	12.36
25)	T	2,4-Dichlorophenol	1.091	1.055	1.129	1.154	1.018	1.156	1.169	1.237	1.226	1.137	6.43
26)	T	1,2,4-Trichlorobenzene	1.699	1.523	1.585	1.484	1.275	1.382	1.375	1.414	1.380	1.457	8.86
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.817	0.939	1.065	0.956	0.864	0.943	0.930	1.089	0.980	0.954	9.01
29)	T	Acetophenone	1.654	1.322	1.819	1.638	1.502	1.665	1.613	1.890	1.708	1.646	10.09
30)	T	m-Toluidine			1.266	1.297	1.394	1.557	1.561	1.856	1.668	1.514	13.95
31)	T	2-Chloroaniline	1.346	1.252	1.654	1.465	1.369	1.470	1.496	1.744	1.531	1.481	10.28
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.690	0.570	0.697	0.523	0.467	0.467	0.470	0.547	0.500	0.548	16.44
34)	T	n-Decane	1.845	1.532	1.881	1.764	1.460	1.569	1.627	1.900	1.719	1.700	9.45
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.239	1.058	1.194	1.095	0.950	1.020	1.014	1.024	1.003	1.066	8.86

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22075**
Calibration dates	**: 03/11/25 16:50 03/12/25 06:06**		

Calibration Files
L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
37)	T	Benzoic Acid			0.144	0.142	0.139	0.100	0.171	0.226		*Q	0.9979	
38)	T	4-Chloroaniline	0.134	0.133	0.135	0.133	0.119	0.133	0.132	0.135	0.131	0.132	3.68	
39)	T	Hexachlorobutadiene	0.287	0.237	0.267	0.244	0.218	0.239	0.235	0.237	0.231	0.244	8.47	
40)	T	p-Chloro-m-cresol	0.353	0.335	0.347	0.316	0.278	0.310	0.312	0.328	0.345	0.325	7.23	
41)	T	2-Methylnaphthalene	0.708	0.611	0.709	0.643	0.571	0.625	0.619	0.635	0.618	0.638	7.02	
42)	T	1-Methylnaphthalene	0.281	0.262	0.282	0.238	0.215	0.233	0.230	0.233	0.228	0.245	9.96	
43)	T	Hexachlorocyclopentadiene	0.334	0.276	0.315	0.289	0.262	0.298	0.301	0.314	0.310	0.300	7.33	
44)	T	2,4,6-Trichlorophenol	0.279	0.224	0.250	0.236	0.219	0.252	0.258	0.271	0.272	0.251	8.55	
45)	T	2,4,5-Trichlorophenol	0.258	0.214	0.233	0.235	0.236	0.263	0.273	0.289	0.293	0.255	10.66	
46)	S	2-Fluorobiphenyl	1.075	0.922	1.017	0.923	0.824	0.893	0.877	0.899	0.879	0.923	8.35	
47)	T	2-Chloronaphthalene	0.915	0.720	0.839	0.749	0.679	0.734	0.718	0.733	0.721	0.756	9.69	
48)	T	2-Nitroaniline	0.133	0.138	0.149	0.146	0.144	0.174	0.188	0.211	0.213	0.166	18.82	
49)	T	1,4-Dinitrobenzene		0.014	0.011	0.014	0.012	0.015	0.025	0.053	0.099	*Q	1.0000	
50)	T	1,3-Dinitrobenzene					0.077	0.100	0.106	0.121	0.117	0.104	16.96	
51)	T	Dimethyl phthalate	1.084	0.893	0.956	0.901	0.832	0.903	0.861	0.891	0.856	0.908	8.22	
52)	T	Acenaphthylene	1.387	1.177	1.273	1.160	1.078	1.174	1.171	1.199	1.193	1.201	7.14	
53)	T	2,6-Dinitrotoluene	0.112	0.110	0.141	0.144	0.137	0.177	0.175	0.177	0.185	0.151	19.16	
54)	T	1,2-Dinitrobenzene		0.046	0.052	0.052	0.060	0.070	0.077	0.075	0.074	0.063	19.21	
55)	I	IS2_Naphthalene-d8	----------ISTD----------											
56)	T	a-Terpineol	0.284	0.221	0.279	0.261	0.252	0.272	0.276	0.325	0.305	0.275	10.91	
57)	T	3-Chloroaniline	0.123	0.115	0.152	0.150	0.129	0.140	0.141	0.160	0.145	0.139	10.56	
58)	T	2,6-Dichlorophenol	0.283	0.236	0.265	0.258	0.236	0.264	0.274	0.319	0.295	0.270	9.87	
59)	T	1-chloro-2-nitrobenzene	0.095	0.092	0.108	0.102	0.099	0.104	0.112	0.133	0.126	0.108	12.82	
60)	T	Caprolactam	0.196	0.156	0.149	0.147	0.136	0.148	0.166	0.200	0.184	0.165	14.22	
61)	T	1,2,4,5-Tetrachlorobenzene	0.460	0.358	0.442	0.409	0.368	0.381	0.381	0.427	0.388	0.401	8.71	
62)	T	Biphenyl	1.000	0.843	0.967	0.890	0.807	0.844	0.829	0.939	0.848	0.885	7.69	
63)	I	IS1_Acenaphthene-d10	----------ISTD----------											
64)	T	3-Nitroaniline	0.247	0.185	0.207	0.227	0.217	0.266	0.293	0.314	0.315	0.252	18.81	
65)	T	Acenaphthene	1.498	1.192	1.163	1.100	0.919	1.022	0.989	1.000	1.032	1.101	15.61	
66)	T	2,4-Dinitrophenol	0.046	0.075	0.095	0.099	0.095	0.117	0.131	0.164	0.167	*Q	0.9956	
67)	T	Dibenzofuran	2.170	1.878	2.090	1.916	1.548	1.689	1.667	2.098	2.168	1.914	12.29	
68)	T	2,4-Dinitrotoluene	0.235	0.253	0.260	0.286	0.272	0.331	0.353	0.446	0.491	*Q	0.9979	
69)	T	4-Nitrophenol	0.180	0.133	0.178	0.179	0.160	0.198	0.216	0.236	0.253	0.192	19.52	
70)	T	2,3,5,6-Tetrachlorophenol	0.352	0.283	0.362	0.334	0.303	0.354	0.501	0.397	0.401	0.365	17.53	
71)	T	2,3,4,6-Tetrachlorophenol	0.341	0.270	0.342	0.334	0.302	0.349	0.363	0.399	0.396	0.344	11.94	
72)	T	Diethyl phthalate	1.402	1.330	1.450	1.366	1.180	1.342	1.308	1.422	1.431	1.359	6.11	

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22075**
Calibration dates	**: 03/11/25 16:50 03/12/25 06:06**		

Calibration Files
L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73)	T	Fluorene	1.612	1.458	1.505	1.421	1.191	1.352	1.350	1.395	1.407	1.410	8.22
74)	T	4-Chlorophenyl-phenylether	0.907	0.776	0.824	0.747	0.620	0.687	0.681	0.703	0.694	0.738	11.78
75)	T	4-Nitroaniline	0.216	0.187	0.227	0.238	0.213	0.260	0.264	0.300	0.304	0.246	16.23
76)	T	4,6-Dinitro-o-cresol			0.141	0.133	0.135	0.176	0.191	0.226	0.235	*L	0.9929
77)	T	NDPA/DPA	1.326	1.129	1.255	1.192	1.056	1.133	1.131	1.176	1.182	1.176	6.70
78)	T	Azobenzene	1.195	1.034	1.201	1.149	0.990	1.110	1.122	1.143	1.147	1.121	6.20
79)	S	2,4,6-Tribromophenol	0.187	0.164	0.208	0.202	0.180	0.214	0.218	0.240	0.238	0.206	12.38
80)	T	4-Bromophenyl-phenylether	0.558	0.465	0.502	0.462	0.388	0.440	0.433	0.457	0.463	0.463	10.17
81)	T	Hexachlorobenzene	0.590	0.600	0.659	0.542	0.450	0.501	0.500	0.525	0.520	0.543	11.65
82)	T	Pentachlorophenol			0.246	0.237	0.227	0.278	0.300	0.336	0.352	0.282	17.41
83)	I	IS2_Acenaphthene-d10	----------ISTD----------										
84)	T	Dichloran					0.086	0.107	0.121	0.165	0.167	*L	0.9986
85)	T	Pentachloronitrobenzene			0.134	0.111	0.119	0.132	0.147	0.185	0.180	0.144	19.92
86)	I	IS3_Acenaphthene-d10	----------ISTD----------										
87)	T	Atrazine	0.371	0.301	0.330	0.306	0.305	0.335	0.385	0.516	0.440	0.366	19.90
88)	I	IS1_Phenanthrene-d10	----------ISTD----------										
89)	T	Phenanthrene	1.467	1.201	1.229	1.130	0.984	1.066	1.050	1.070	1.022	1.135	13.04
90)	T	Anthracene	1.273	1.128	1.218	1.083	0.972	1.086	1.067	1.091	1.049	1.107	8.13
91)	T	Carbazole	1.007	0.946	1.055	0.993	0.902	0.996	0.987	1.014	1.000	0.989	4.36
92)	T	Di-n-butylphthalate	1.042	0.879	1.042	0.976	0.931	1.115	1.147	1.464	1.453	1.116	18.90
93)	T	Fluoranthene	1.518	1.269	1.388	1.260	1.152	1.255	1.257	1.322	1.257	1.298	8.00
94)	T	Benzidine			0.517	0.579	0.617	0.739	0.782	0.857	0.834	0.704	18.85
95)	T	Pyrene	1.623	1.313	1.486	1.366	1.236	1.328	1.280	1.330	1.268	1.359	9.00
96)	S	4-Terphenyl-d14	1.198	1.044	1.129	1.026	0.928	1.001	0.974	1.018	1.020	1.038	7.80
97)	T	Butyl benzyl phthalate			0.360	0.335	0.347	0.440	0.470	0.554	0.567	*L	0.9941
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.384	0.336	0.383	0.352	0.358	0.426	0.442	0.538	0.495	0.413	16.71
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.465	0.378	0.436	0.423	0.377	0.441	0.479	0.604	0.519	0.458	15.53
102)	T	Parathion			0.066	0.057	0.051	0.057	0.068	0.107		*Q	1.0000
103)	T	3,3'-Dimethylbenzidine					0.486	0.597	0.764	1.061	0.970	*L	0.9945
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.484	1.248	1.356	1.216	1.113	1.221	1.268	1.313	1.283	1.278	8.06
106)	T	3,3'-Dichlorobenzidine	0.366	0.327	0.409	0.409	0.404	0.457	0.478	0.512	0.498	0.429	14.44
107)	T	Chrysene	1.563	1.341	1.467	1.269	1.114	1.190	1.140	1.179	1.140	1.267	12.56
108)	T	bis(2-Ethylhexyl)phthalate		0.435	0.532	0.503	0.541	0.652	0.677	0.758	0.770	*L	0.9961

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22075**
Calibration dates	**: 03/11/25 16:50 03/12/25 06:06**		

Calibration Files

L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
109)	T	Di-n-octylphthalate			0.787	0.753	0.799	1.040	1.119	1.350	1.382	*L	0.9931	
110)	T	Benzo(b)fluoranthene	1.371	1.201	1.334	1.447	1.256	1.333	1.253	1.339	1.293	1.314	5.55	
111)	T	Benzo(k)fluoranthene	1.449	1.230	1.429	1.106	1.048	1.187	1.224	1.191	1.137	1.222	11.12	
112)	T	Benzo(a)pyrene	1.200	1.065	1.216	1.142	1.065	1.177	1.159	1.206	1.180	1.157	4.92	
113)	I	IS1_Perylene-d12	----------ISTD----------											
114)	T	Indeno(1,2,3-cd)pyrene	1.094	0.997	1.068	1.000	0.977	1.136	1.132	1.161	1.045	1.068	6.34	
115)	T	Dibenzo[a,h]anthracene	1.140	0.961	1.119	1.074	0.959	1.097	1.114	1.091	1.009	1.063	6.47	
116)	T	Benzo(g,h,i)perylene	1.131	1.077	1.115	1.076	0.929	1.064	1.072	1.061	0.902	1.047	7.50	

Response Factor Report SV 106

Method Path : I:\8270\SV106\250311RVTical\
Method File : FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 12 12:21:00 2025
Response Via : Initial Calibration

Calibration Files
L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1)	I	IS1_1,4-Dichlorobenzene-d4	----------ISTD----------										
2)	t	N-Nitrosodimethylamine	0.783	0.639	0.806	0.721	0.661	0.702	0.699	0.722	0.729	0.718	7.31
3)	t	Pyridine	1.339	1.093	1.529	1.236	1.201	1.149	1.191	1.244	1.273	1.251	10.09
4)	S	2-Fluorophenol	1.224	1.069	1.213	1.104	1.001	1.105	1.120	1.164	1.155	1.128	6.20
5)	T	Aniline	1.435	1.473	1.919	1.836	1.609	1.811	1.825	1.885	1.851	1.738	10.53
6)	t	2-Chlorophenol	1.198	1.133	1.316	1.271	1.151	1.200	1.235	1.253	1.205	1.218	4.74
7)	S	Phenol-d6	1.413	1.195	1.418	1.380	1.214	1.307	1.307	1.353	1.318	1.323	5.98
8)	T	Phenol	1.689	1.351	1.550	1.470	1.327	1.425	1.435	1.468	1.418	1.459	7.41
9)	T	bis(2-Chloroethyl)ether	1.263	1.082	1.308	1.252	1.050	1.135	1.126	1.130	1.088	1.159	7.91
10)	T	1,3-Dichlorobenzene	1.816	1.456	1.735	1.588	1.418	1.466	1.458	1.484	1.441	1.540	9.30
11)	T	1,4-Dichlorobenzene	1.775	1.571	1.744	1.599	1.419	1.539	1.507	1.527	1.489	1.574	7.42
12)	T	1,2-Dichlorobenzene	1.478	1.599	1.747	1.530	1.349	1.422	1.422	1.444	1.423	1.490	8.06
13)	t	Benzyl alcohol	0.936	0.785	0.924	0.877	0.840	0.905	0.944	0.994	0.988	0.910	7.45
14)	T	bis(2-chloroisopropyl)ether	3.091	2.730	3.138	2.726	2.446	2.605	2.535	2.564	2.500	2.704	9.30
15)	T	2-Methylphenol	1.421	1.210	1.452	1.326	1.213	1.227	1.184	1.291	1.220	1.283	7.62
16)	T	Hexachloroethane	0.595	0.543	0.555	0.568	0.502	0.539	0.536	0.544	0.533	0.546	4.72
17)	T	n-Nitrosodi-n-propylamine	0.885	0.765	0.920	0.849	0.776	0.846	0.856	0.902	0.894	0.855	6.33
18)	T	3-Methylphenol/4-Methylphenol	1.159	1.015	1.134	1.151	1.009	1.108	1.115	1.159	1.141	1.110	5.28
19)	S	Nitrobenzene-d5	1.074	0.972	1.124	1.108	0.964	1.102	1.139	1.210	1.168	1.096	7.53
20)	T	Nitrobenzene	1.087	1.017	1.105	1.088	1.032	1.137	1.184	1.229	1.185	1.118	6.41
21)	T	Isophorone	2.346	2.038	2.466	2.303	2.103	2.283	2.326	2.409	2.386	2.296	6.10
22)	T	2-Nitrophenol	0.450	0.400	0.518	0.481	0.457	0.512	0.554	0.609	0.599	0.509	13.74
23)	T	2,4-Dimethylphenol	1.252	1.058	1.221	1.170	1.096	1.227	1.222	1.278	1.261	1.198	6.32
24)	T	bis(2-Chloroethoxy)methane	2.026	1.644	1.872	1.648	1.492	1.468	1.436	1.469	1.695	1.639	12.36
25)	T	2,4-Dichlorophenol	1.091	1.055	1.129	1.154	1.018	1.156	1.169	1.237	1.226	1.137	6.43
26)	T	1,2,4-Trichlorobenzene	1.699	1.523	1.585	1.484	1.275	1.382	1.375	1.414	1.380	1.457	8.86
27)	I	IS2_1,4-Dichlorobenzene-d4	----------ISTD----------										
28)	T	Benzaldehyde	0.817	0.939	1.065	0.956	0.864	0.943	0.930	1.089	0.980	0.954	9.01
29)	T	Acetophenone	1.654	1.322	1.819	1.638	1.502	1.665	1.613	1.890	1.708	1.646	10.09
30)	T	m-Toluidine			1.266	1.297	1.394	1.557	1.561	1.856	1.668	1.514	13.95
31)	T	2-Chloroaniline	1.346	1.252	1.654	1.465	1.369	1.470	1.496	1.744	1.531	1.481	10.28
32)	I	IS3_1,4-Dichlorobenzene-d4	----------ISTD----------										
33)	t	1,4-Dioxane	0.690	0.570	0.697	0.523	0.467	0.467	0.470	0.547	0.500	0.548	16.44
34)	T	n-Decane	1.845	1.532	1.881	1.764	1.460	1.569	1.627	1.900	1.719	1.700	9.45
35)	I	IS1_Naphthalene-d8	----------ISTD----------										
36)	T	Naphthalene	1.239	1.058	1.194	1.095	0.950	1.020	1.014	1.024	1.003	1.066	8.86
37)	T	Benzoic Acid			0.144	0.142	0.139	0.100	0.171	0.226		*Q	0.9979
38)	T	4-Chloroaniline	0.134	0.133	0.135	0.133	0.119	0.133	0.132	0.135	0.131	0.132	3.68
39)	T	Hexachlorobutadiene	0.287	0.237	0.267	0.244	0.218	0.239	0.235	0.237	0.231	0.244	8.47
40)	T	p-Chloro-m-cresol	0.353	0.335	0.347	0.316	0.278	0.310	0.312	0.328	0.345	0.325	7.23
41)	T	2-Methylnaphthalene	0.708	0.611	0.709	0.643	0.571	0.625	0.619	0.635	0.618	0.638	7.02
42)	T	1-Methylnaphthalene	0.281	0.262	0.282	0.238	0.215	0.233	0.230	0.233	0.228	0.245	9.96
43)	T	Hexachlorocyclopentadiene	0.334	0.276	0.315	0.289	0.262	0.298	0.301	0.314	0.310	0.300	7.33
44)	T	2,4,6-Trichlorophenol	0.279	0.224	0.250	0.236	0.219	0.252	0.258	0.271	0.272	0.251	8.55
45)	T	2,4,5-Trichlorophenol	0.258	0.214	0.233	0.235	0.236	0.263	0.273	0.289	0.293	0.255	10.66

Response Factor Report SV 106

Method Path : I:\8270\SV106\250311RVTical\
Method File : FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 12 12:21:00 2025
Response Via : Initial Calibration

Calibration Files
L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD	
46)	S	2-Fluorobiphenyl	1.075	0.922	1.017	0.923	0.824	0.893	0.877	0.899	0.879	0.923	8.35	
47)	T	2-Chloronaphthalene	0.915	0.720	0.839	0.749	0.679	0.734	0.718	0.733	0.721	0.756	9.69	
48)	T	2-Nitroaniline	0.133	0.138	0.149	0.146	0.144	0.174	0.188	0.211	0.213	0.166	18.82	
49)	T	1,4-Dinitrobenzene		0.014	0.011	0.014	0.012	0.015	0.025	0.053	0.099		*Q	1.0000
50)	T	1,3-Dinitrobenzene					0.077	0.100	0.106	0.121	0.117	0.104	16.96	
51)	T	Dimethyl phthalate	1.084	0.893	0.956	0.901	0.832	0.903	0.861	0.891	0.856	0.908	8.22	
52)	T	Acenaphthylene	1.387	1.177	1.273	1.160	1.078	1.174	1.171	1.199	1.193	1.201	7.14	
53)	T	2,6-Dinitrotoluene	0.112	0.110	0.141	0.144	0.137	0.177	0.175	0.177	0.185	0.151	19.16	
54)	T	1,2-Dinitrobenzene		0.046	0.052	0.052	0.060	0.070	0.077	0.075	0.074	0.063	19.21	
55)	I	IS2_Naphthalene-d8	ISTD											
56)	T	a-Terpineol	0.284	0.221	0.279	0.261	0.252	0.272	0.276	0.325	0.305	0.275	10.91	
57)	T	3-Chloroaniline	0.123	0.115	0.152	0.150	0.129	0.140	0.141	0.160	0.145	0.139	10.56	
58)	T	2,6-Dichlorophenol	0.283	0.236	0.265	0.258	0.236	0.264	0.274	0.319	0.295	0.270	9.87	
59)	T	1-chloro-2-nitrobenzene	0.095	0.092	0.108	0.102	0.099	0.104	0.112	0.133	0.126	0.108	12.82	
60)	T	Caprolactam	0.196	0.156	0.149	0.147	0.136	0.148	0.166	0.200	0.184	0.165	14.22	
61)	T	1,2,4,5-Tetrachlorobenzene	0.460	0.358	0.442	0.409	0.368	0.381	0.381	0.427	0.388	0.401	8.71	
62)	T	Biphenyl	1.000	0.843	0.967	0.890	0.807	0.844	0.829	0.939	0.848	0.885	7.69	
63)	I	IS1_Acenaphthene-d10	ISTD											
64)	T	3-Nitroaniline	0.247	0.185	0.207	0.227	0.217	0.266	0.293	0.314	0.315	0.252	18.81	
65)	T	Acenaphthene	1.498	1.192	1.163	1.100	0.919	1.022	0.989	1.000	1.032	1.101	15.61	
66)	T	2,4-Dinitrophenol	0.046	0.075	0.095	0.099	0.095	0.117	0.131	0.164	0.167		*Q	0.9956
67)	T	Dibenzofuran	2.170	1.878	2.090	1.916	1.548	1.689	1.667	2.098	2.168	1.914	12.29	
68)	T	2,4-Dinitrotoluene	0.235	0.253	0.260	0.286	0.272	0.331	0.353	0.446	0.491		*Q	0.9979
69)	T	4-Nitrophenol	0.180	0.133	0.178	0.179	0.160	0.198	0.216	0.236	0.253	0.192	19.52	
70)	T	2,3,5,6-Tetrachlorophenol	0.352	0.283	0.362	0.334	0.303	0.354	0.501	0.397	0.401	0.365	17.53	
71)	T	2,3,4,6-Tetrachlorophenol	0.341	0.270	0.342	0.334	0.302	0.349	0.363	0.399	0.396	0.344	11.94	
72)	T	Diethyl phthalate	1.402	1.330	1.450	1.366	1.180	1.342	1.308	1.422	1.431	1.359	6.11	
73)	T	Fluorene	1.612	1.458	1.505	1.421	1.191	1.352	1.350	1.395	1.407	1.410	8.22	
74)	T	4-Chlorophenyl-phenylether	0.907	0.776	0.824	0.747	0.620	0.687	0.681	0.703	0.694	0.738	11.78	
75)	T	4-Nitroaniline	0.216	0.187	0.227	0.238	0.213	0.260	0.264	0.300	0.304	0.246	16.23	
76)	T	4,6-Dinitro-o-cresol			0.141	0.133	0.135	0.176	0.191	0.226	0.235		*L	0.9929
77)	T	NDPA/DPA	1.326	1.129	1.255	1.192	1.056	1.133	1.131	1.176	1.182	1.176	6.70	
78)	T	Azobenzene	1.195	1.034	1.201	1.149	0.990	1.110	1.122	1.143	1.147	1.121	6.20	
79)	S	2,4,6-Tribromophenol	0.187	0.164	0.208	0.202	0.180	0.214	0.218	0.240	0.238	0.206	12.38	
80)	T	4-Bromophenyl-phenylether	0.558	0.465	0.502	0.462	0.388	0.440	0.433	0.457	0.463	0.463	10.17	
81)	T	Hexachlorobenzene	0.590	0.600	0.659	0.542	0.450	0.501	0.500	0.525	0.520	0.543	11.65	
82)	T	Pentachlorophenol			0.246	0.237	0.227	0.278	0.300	0.336	0.352	0.282	17.41	
83)	I	IS2_Acenaphthene-d10	ISTD											
84)	T	Dichloran					0.086	0.107	0.121	0.165	0.167		*L	0.9986
85)	T	Pentachloronitrobenzene			0.134	0.111	0.119	0.132	0.147	0.185	0.180	0.144	19.92	
86)	I	IS3_Acenaphthene-d10	ISTD											
87)	T	Atrazine	0.371	0.301	0.330	0.306	0.305	0.335	0.385	0.516	0.440	0.366	19.90	
88)	I	IS1_Phenanthrene-d10	ISTD											
89)	T	Phenanthrene	1.467	1.201	1.229	1.130	0.984	1.066	1.050	1.070	1.022	1.135	13.04	
90)	T	Anthracene	1.273	1.128	1.218	1.083	0.972	1.086	1.067	1.091	1.049	1.107	8.13	

Method Path : I:\8270\SV106\250311RVTical\
Method File : FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 12 12:21:00 2025
Response Via : Initial Calibration

Calibration Files
L1 =ABNL1.D L2 =ABNL2.D L3 =ABNL3.D L4 =ABNL4.D L5 =ABNL5.D L6 =AP9L6.D L7 =AP9L7.D
L8 =AP9L8.D L9 =AP9L9.D

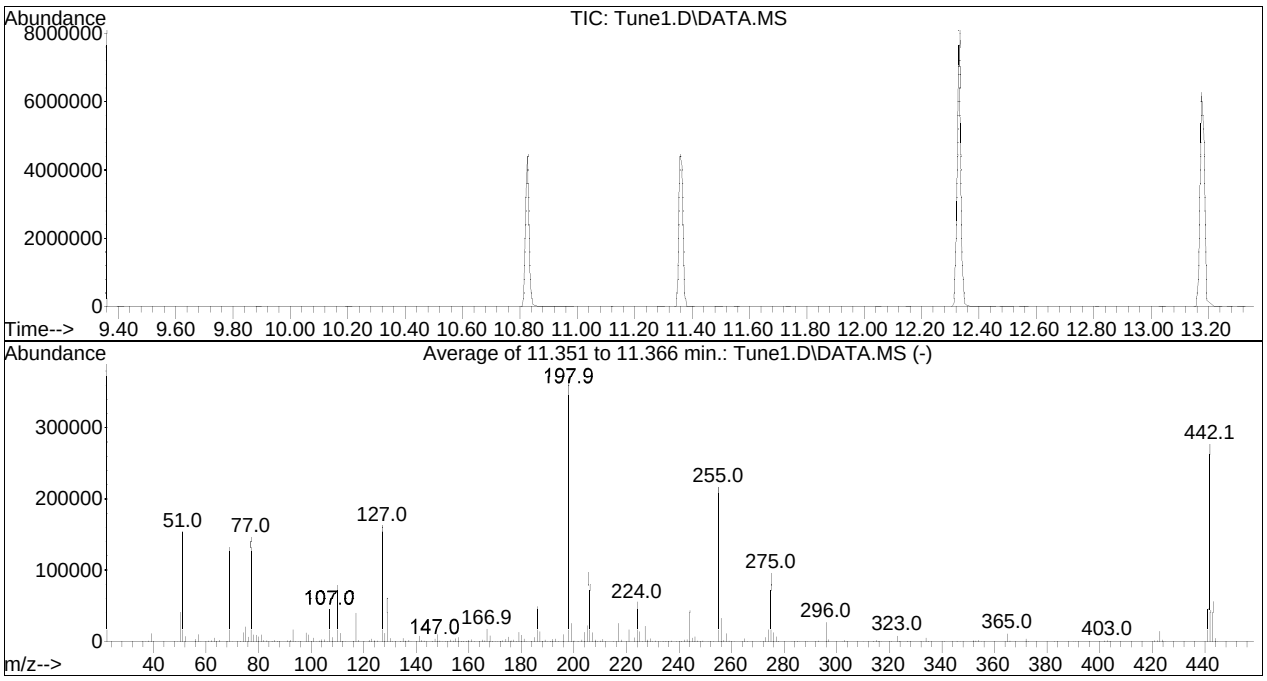
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91)	T	Carbazole	1.007	0.946	1.055	0.993	0.902	0.996	0.987	1.014	1.000	0.989	4.36
92)	T	Di-n-butylphthalate	1.042	0.879	1.042	0.976	0.931	1.115	1.147	1.464	1.453	1.116	18.90
93)	T	Fluoranthene	1.518	1.269	1.388	1.260	1.152	1.255	1.257	1.322	1.257	1.298	8.00
94)	T	Benzidine			0.517	0.579	0.617	0.739	0.782	0.857	0.834	0.704	18.85
95)	T	Pyrene	1.623	1.313	1.486	1.366	1.236	1.328	1.280	1.330	1.268	1.359	9.00
96)	S	4-Terphenyl-d14	1.198	1.044	1.129	1.026	0.928	1.001	0.974	1.018	1.020	1.038	7.80
97)	T	Butyl benzyl phthalate			0.360	0.335	0.347	0.440	0.470	0.554	0.567	*L	0.9941
98)	I	IS2_Phenanthrene-d10	----------ISTD----------										
99)	T	Diphenamid	0.384	0.336	0.383	0.352	0.358	0.426	0.442	0.538	0.495	0.413	16.71
100)	I	IS3_Phenanthrene-d10	----------ISTD----------										
101)	T	n-Octadecane	0.465	0.378	0.436	0.423	0.377	0.441	0.479	0.604	0.519	0.458	15.53
102)	T	Parathion			0.066	0.057	0.051	0.057	0.068	0.107		*Q	1.0000
103)	T	3,3'-Dimethylbenzidine					0.486	0.597	0.764	1.061	0.970	*L	0.9945
104)	I	IS1_Chrysene-d12	----------ISTD----------										
105)	T	Benzo[a]anthracene	1.484	1.248	1.356	1.216	1.113	1.221	1.268	1.313	1.283	1.278	8.06
106)	T	3,3'-Dichlorobenzidine	0.366	0.327	0.409	0.409	0.404	0.457	0.478	0.512	0.498	0.429	14.44
107)	T	Chrysene	1.563	1.341	1.467	1.269	1.114	1.190	1.140	1.179	1.140	1.267	12.56
108)	T	bis(2-Ethylhexyl)phthalate		0.435	0.532	0.503	0.541	0.652	0.677	0.758	0.770	*L	0.9961
109)	T	Di-n-octylphthalate			0.787	0.753	0.799	1.040	1.119	1.350	1.382	*L	0.9931
110)	T	Benzo(b)fluoranthene	1.371	1.201	1.334	1.447	1.256	1.333	1.253	1.339	1.293	1.314	5.55
111)	T	Benzo(k)fluoranthene	1.449	1.230	1.429	1.106	1.048	1.187	1.224	1.191	1.137	1.222	11.12
112)	T	Benzo(a)pyrene	1.200	1.065	1.216	1.142	1.065	1.177	1.159	1.206	1.180	1.157	4.92
113)	I	IS1_Perylene-d12	----------ISTD----------										
114)	T	Indeno(1,2,3-cd)pyrene	1.094	0.997	1.068	1.000	0.977	1.136	1.132	1.161	1.045	1.068	6.34
115)	T	Dibenzo[a,h]anthracene	1.140	0.961	1.119	1.074	0.959	1.097	1.114	1.091	1.009	1.063	6.47
116)	T	Benzo(g,h,i)perylene	1.131	1.077	1.115	1.076	0.929	1.064	1.072	1.061	0.902	1.047	7.50

(#) = Out of Range

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 12 12:21:00 2025



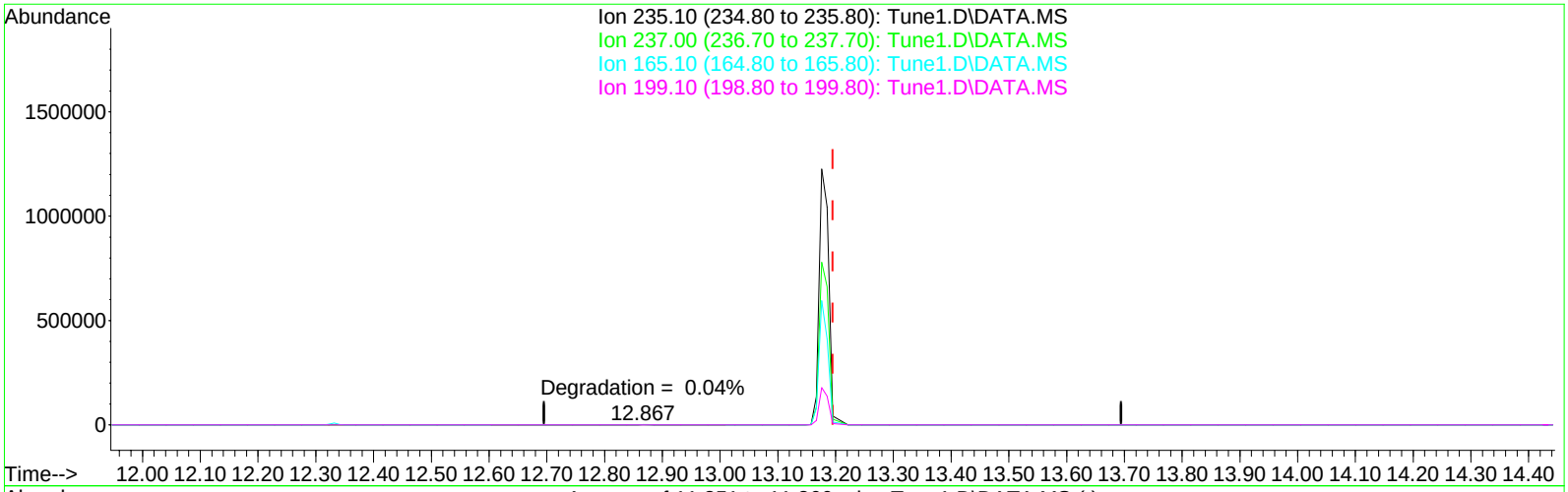
Spectrum Information: Average of 11.351 to 11.366 min.

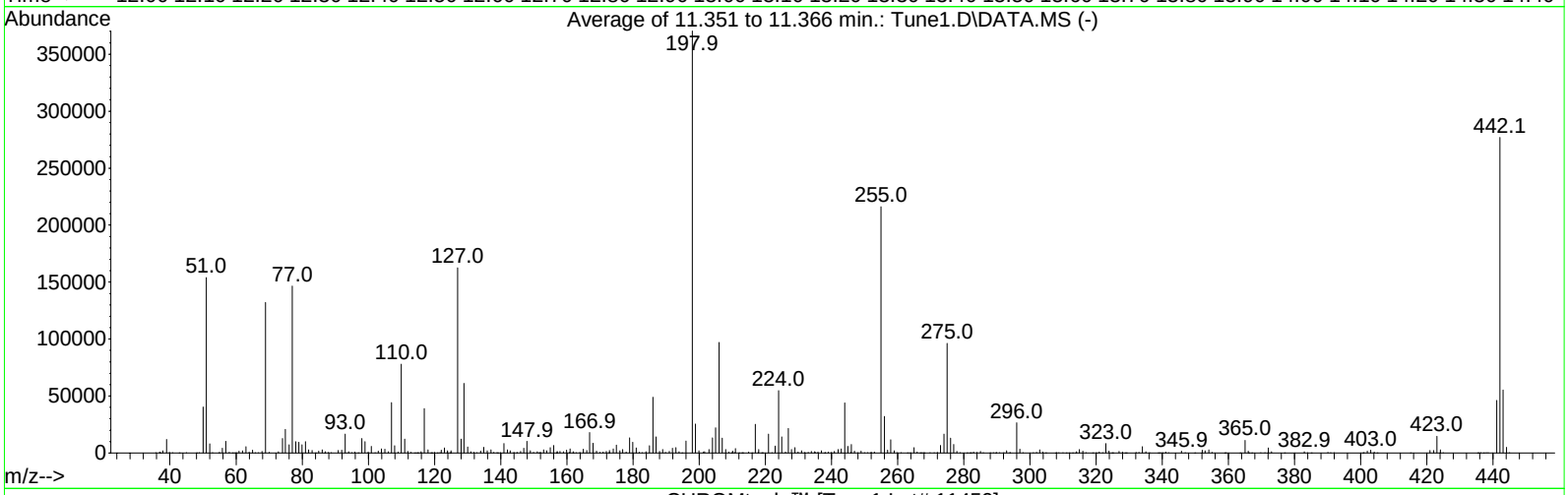
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.5	153869	PASS
68	69	0.00	2	1.1	1405	PASS
69	69	100	100	100.0	132147	PASS
70	69	0.00	2	0.5	601	PASS
127	198	10	80	43.9	162464	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	370389	PASS
199	198	5	9	6.9	25422	PASS
275	198	10	60	25.9	96095	PASS
365	198	1	100	3.0	11191	PASS
441	442	0.01	24	16.7	46163	PASS
442	198	50	100	74.8	277043	PASS
443	442	15	24	20.0	55370	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 11 16:46:29 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11459]

(6) DDT (T)

13.176min (-0.019) 251.38

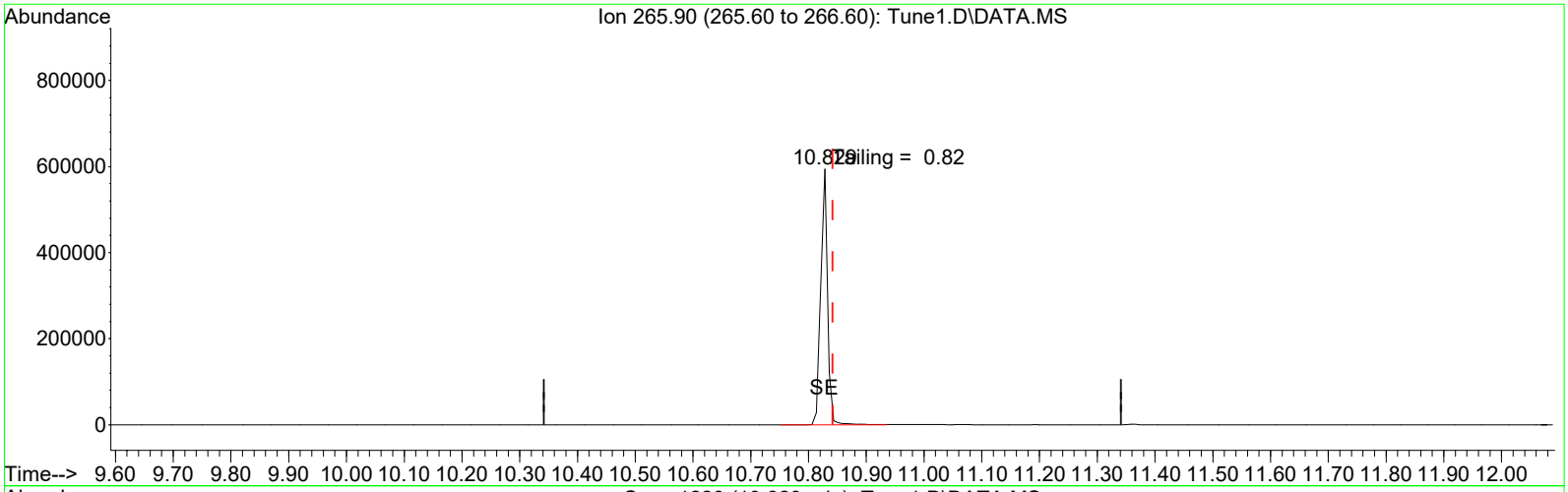
response 1532361

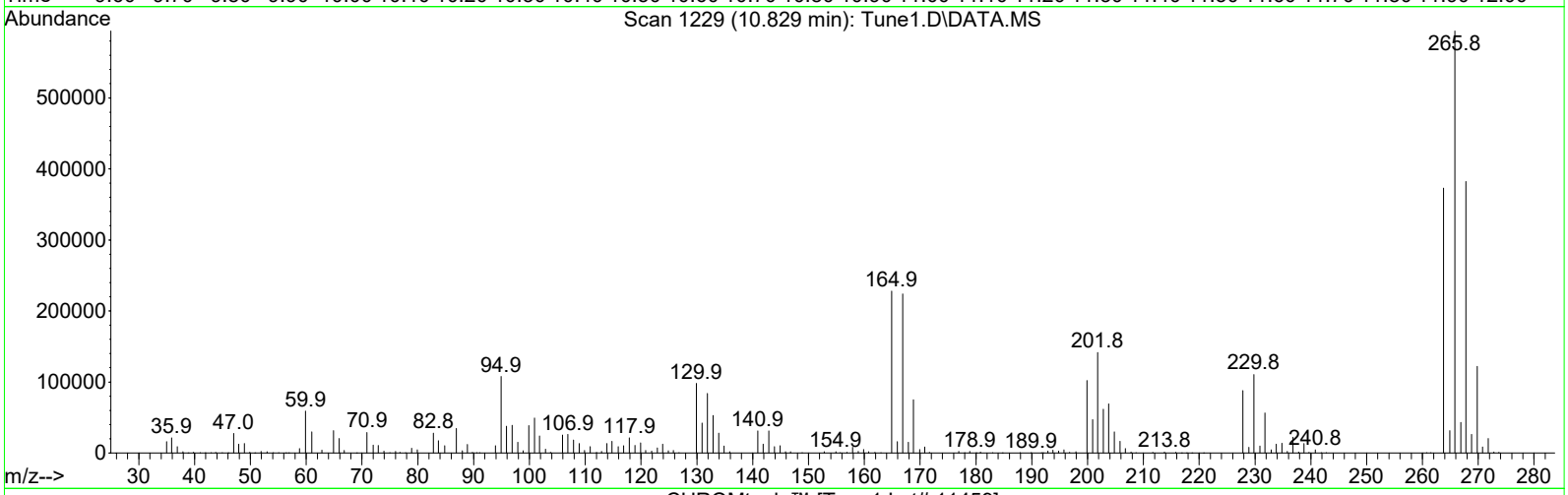
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.95
165.10	44.50	43.25
199.10	14.80	14.31

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 11 16:46:29 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11459]

(1) Pentachlorophenol (T)

10.829min (-0.013) 233.79

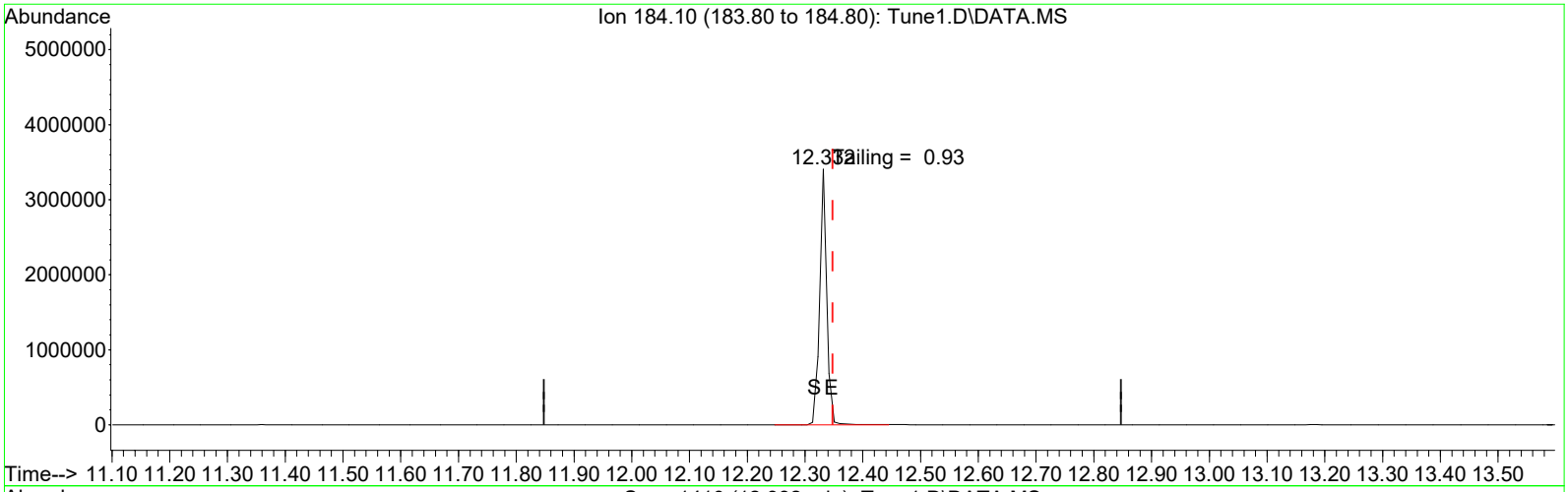
response 491035

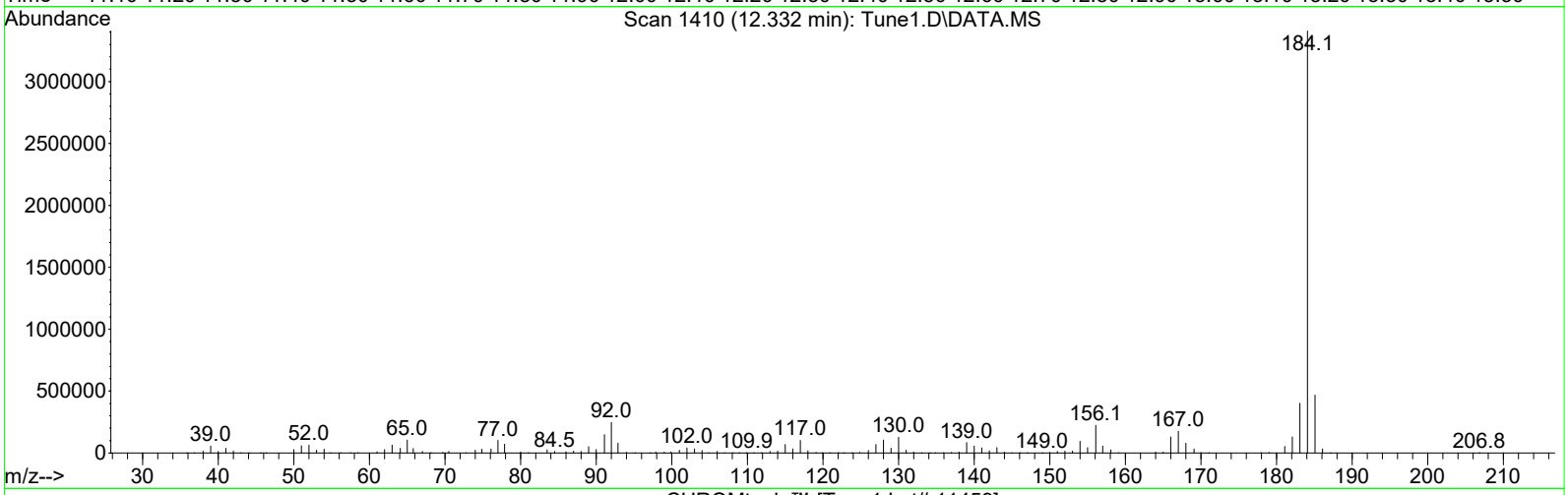
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:ljg
Sample : Tune1 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 11 16:46:29 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [Tune1 Lot# 11459]

(3) Benzidine (T)

12.332min (-0.016) 283.93

response 2890419

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL9.D
Acq On : 11 Mar 2025 4:50 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2039658,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 06:29:44 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	56414	4.000	ug/ml	# 0.00
Standard Area 1 = 55857			Recovery = 101.00%			
35) IS1_Naphthalene-d8	7.790	136	211060	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 103.06%			
63) IS1_Acenaphthene-d10	9.561	164	132829	4.000	ug/ml	0.01
Standard Area 1 = 132560			Recovery = 100.20%			
88) IS1_Phenanthrene-d10	10.995	188	274942	4.000	ug/ml	# 0.00
Standard Area 1 = 260564			Recovery = 105.52%			
104) IS1_Chrysene-d12	13.633	240	292872	4.000	ug/ml	0.02
Standard Area 1 = 281321			Recovery = 104.11%			
113) IS1_Perylene-d12	15.095	264	312016	4.000	ug/ml	0.02
Standard Area 1 = 300591			Recovery = 103.80%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.363	112	814728	46.417	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2320.85%#			
7) Phenol-d6	5.985	99	929330	43.990	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2199.50%#			
19) Nitrobenzene-d5	7.017	82	823850	42.975	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4297.50%#			
46) 2-Fluorobiphenyl	8.918	172	2319699	47.487	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4748.70%#			
79) 2,4,6-Tribromophenol	10.328	330	395303	52.601	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 2630.05%#			
96) 4-Terphenyl-d14	12.585	244	3506305	47.520	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 4752.00%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.990	74	514038	47.945	ug/ml#	83
3) Pyridine	2.019	79	897374	52.209	ug/ml	80
5) Aniline	5.943	93	1304932	52.242	ug/ml	99
6) 2-Chlorophenol	6.087	128	850044	44.148	ug/ml	95
8) Phenol	6.002	94	999952	45.609	ug/ml	98
9) Bis(2-chloroethyl)ether	6.070	93	767083	42.481	ug/ml#	75
10) 1,3-Dichlorobenzene	6.274	146	1015878	43.165	ug/ml	97
11) 1,4-Dichlorobenzene	6.368	146	1049941	43.797	ug/ml	97
12) 1,2-Dichlorobenzene	6.555	146	1003707	43.657	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL9.D
Acq On : 11 Mar 2025 4:50 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2039658,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 06:29:44 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.572	79	696740	46.599	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.754	45	1762991	62.078	ug/ml#	68
15) 2-Methylphenol	6.747	108	860451	54.313	ug/ml	86
16) Hexachloroethane	6.942	117	375982	43.426	ug/ml#	53
17) n-Nitrosodi-n-propylamine	6.897	70	630754	47.567	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.935	108	804297	46.548	ug/ml	96
20) Nitrobenzene	7.040	77	835656	42.664	ug/ml	97
21) Isophorone	7.325	82	1682727	49.384	ug/ml	98
22) 2-Nitrophenol	7.400	139	422717	42.060	ug/ml	89
23) 2,4-Dimethylphenol	7.506	107	889366	56.375	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.603	93	1195458	52.513	ug/ml	96
25) 2,4-Dichlorophenol	7.667	162	864592	49.044	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.747	180	973161	47.627	ug/ml	97
36) Naphthalene	7.811	128	2646005	44.406	ug/ml	99
37) Benzoic Acid	7.682	105	632143	42.095	ug/ml	94
38) 4-Chloroaniline	7.898	65	345107	51.640	ug/ml	85
39) Hexachlorobutadiene	7.977	225	608872	48.332	ug/ml	99
40) p-Chloro-m-cresol	8.431	107	910250	58.235	ug/ml	96
41) 2-Methylnaphthalene	8.528	142	1631008	41.078	ug/ml	95
42) 1-Methylnaphthalene	8.626	115	601863	46.854	ug/ml	98
43) Hexachlorocyclopentadiene	8.708	237	816572	59.093	ug/ml	98
44) 2,4,6-Trichlorophenol	8.828	196	718596	49.485	ug/ml	99
45) 2,4,5-Trichlorophenol	8.858	196	772320	51.373	ug/ml	98
47) 2-Chloronaphthalene	9.008	162	1902715	45.965	ug/ml	95
48) 2-Nitroaniline	9.128	138	562484	47.736	ug/ml	85
49) 1,4-Dinitrobenzene	9.266	168	260630M3	43.318	ug/ml	
50) 1,3-Dinitrobenzene	9.339	168	308852	46.830	ug/ml#	1
51) Dimethyl phthalate	9.339	163	2258620	46.804	ug/ml#	99
52) Acenaphthylene	9.413	152	3147550	51.001	ug/ml	99
53) 2,6-Dinitrotoluene	9.382	165	487004M6	49.637	ug/ml	
54) 1,2-Dinitrobenzene	9.424	168	195142	45.884	ug/ml#	1
64) 3-Nitroaniline	9.540	138	522686	48.729	ug/ml	88
65) Acenaphthene	9.592	154	1713189	44.587	ug/ml	91
66) 2,4-Dinitrophenol	9.635	184	276500	33.841	ug/ml#	83
67) Dibenzofuran	9.761	168	3600263	57.921	ug/ml	89
68) 2,4-Dinitrotoluene	9.772	165	815049	58.555	ug/ml	89
69) 4-Nitrophenol	9.729	65	420070	52.950	ug/ml#	25
70) 2,3,5,6-Tetrachlorophenol	9.849	232	665759M3	51.351	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL9.D
Acq On : 11 Mar 2025 4:50 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2039658,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 06:29:44 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.891	232	657340	51.372	ug/ml	97
72)	Diethyl phthalate	10.039	149	2375342	47.123	ug/ml	98
73)	Fluorene	10.096	166	2336759	48.136	ug/ml	96
74)	4-Chlorophenyl phenyl ...	10.117	204	1151487	46.213	ug/ml#	86
75)	4-Nitroaniline	10.131	138	505299	46.296	ug/ml	85
76)	4,6-Dinitro-o-cresol	10.166	198	389939	38.916	ug/ml#	62
77)	NDPA/DPA	10.237	169	1963169	46.873	ug/ml	95
78)	Azobenzene	10.265	77	1903913	46.522	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.586	248	768129	49.764	ug/ml#	82
81)	Hexachlorobenzene	10.632	284	863219	49.389	ug/ml#	80
82)	Pentachlorophenol	10.829	266	584512	55.264	ug/ml	100
89)	Phenanthrene	11.018	178	3512739	43.545	ug/ml	100
90)	Anthracene	11.071	178	3604023	44.805	ug/ml	100
91)	Carbazole	11.237	167	3436562	47.449	ug/ml	99
92)	Di-n-butylphthalate	11.631	149	4992018	55.064	ug/ml#	98
93)	Fluoranthene	12.172	202	4319676	46.434	ug/ml#	92
94)	Benzidine	12.332	184	2865842	53.739	ug/ml#	95
95)	Pyrene	12.388	202	4357129	44.396	ug/ml	100
97)	Butyl benzyl phthalate	13.110	149	1949769	51.156	ug/ml	93
105)	Benzo(a)anthracene	13.625	228	4697248	46.514	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.625	252	1824617	55.000	ug/ml#	96
107)	Chrysene	13.665	228	4173219	43.060	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.752	149	2820117	46.516	ug/ml	95
109)	Di-n-octylphthalate	14.434	149	5058845	50.317	ug/ml#	75
110)	Benzo(b)fluoranthene	14.729	252	4731985	48.561	ug/ml#	93
111)	Benzo(k)fluoranthene	14.760	252	4164174	45.877	ug/ml#	93
112)	Benzo(a)pyrene	15.039	252	4318958M3	51.071	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	16.069	276	4077645M6	43.109	ug/mL	
115)	Dibenzo(a,h)anthracene	16.092	278	3933954	43.729	ug/ml#	88
116)	Benzo(ghi)perylene	16.314	276	3517262	41.757	ug/ml#	86

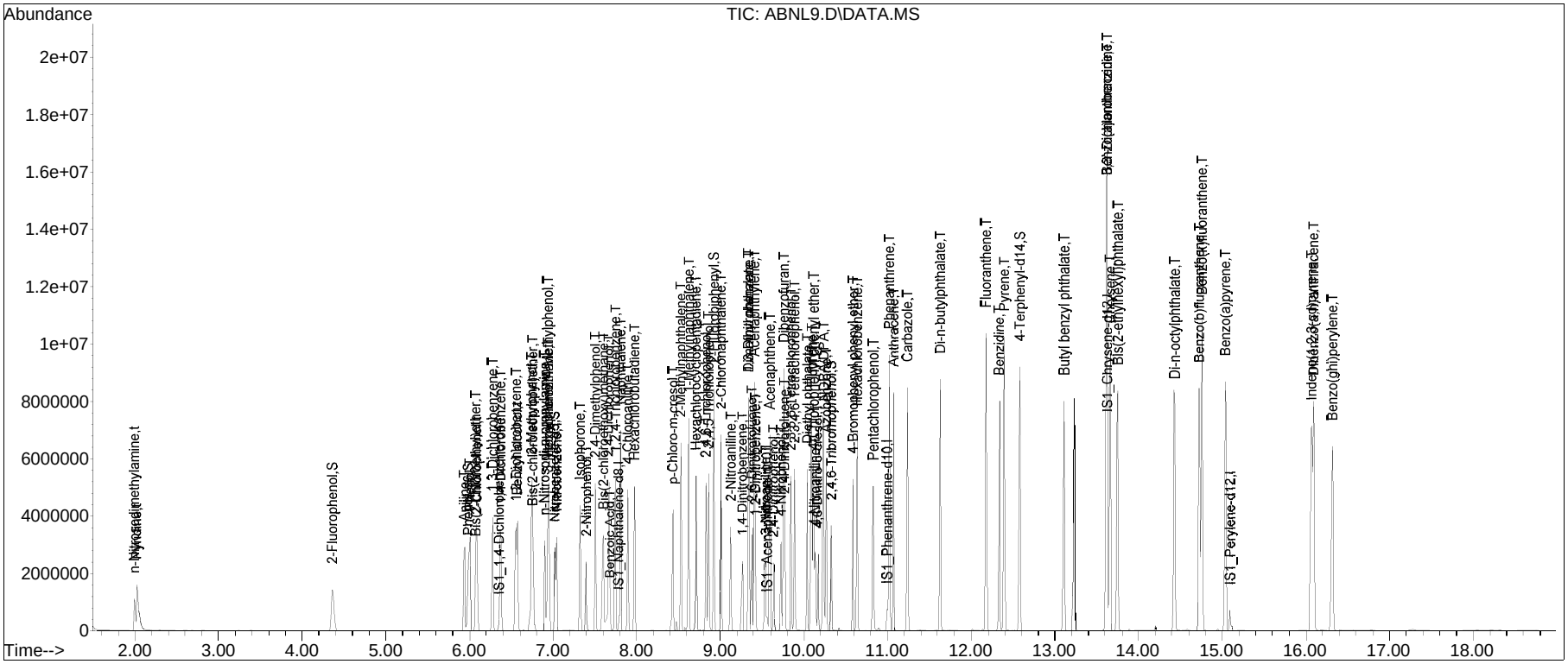
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL9.D
Acq On : 11 Mar 2025 4:50 pm
Operator : SV106:ljg
Sample : IL2,32,,ABNL50 Lot# 11425
Misc : WG2039658,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 12 06:29:44 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

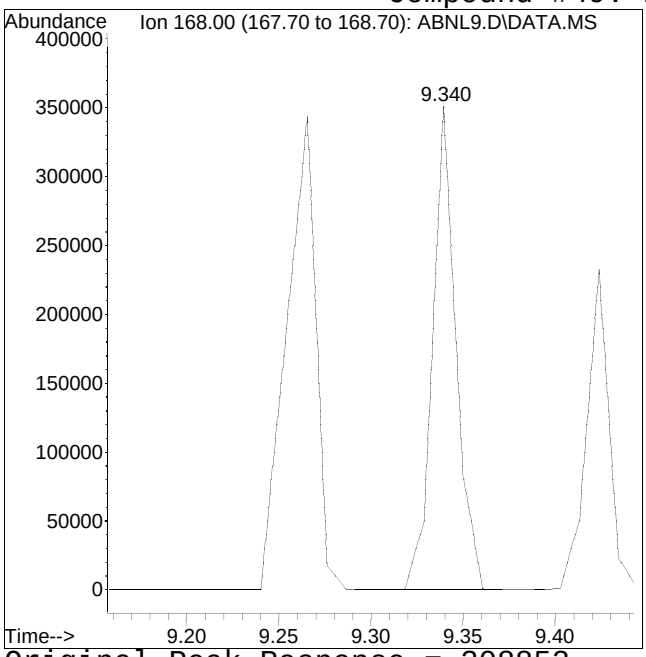
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

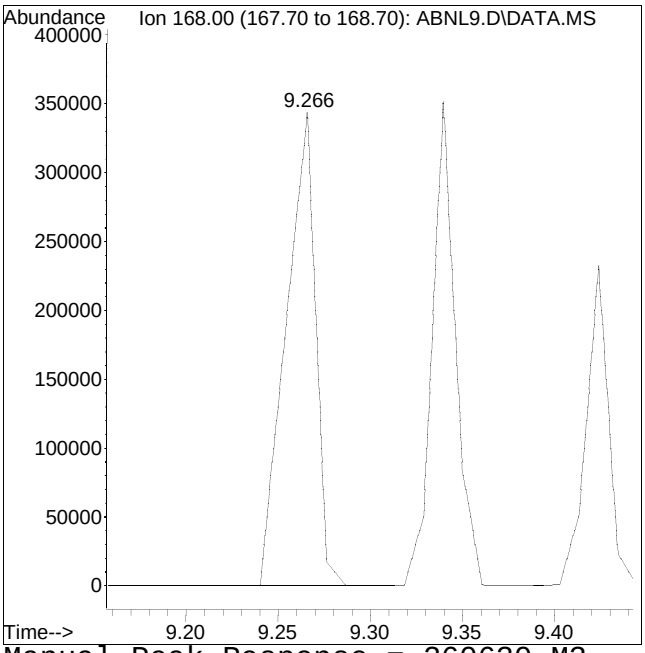


Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 4:50 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/12/2025 6:14 am

Compound #49: 1,4-Dinitrobenzene



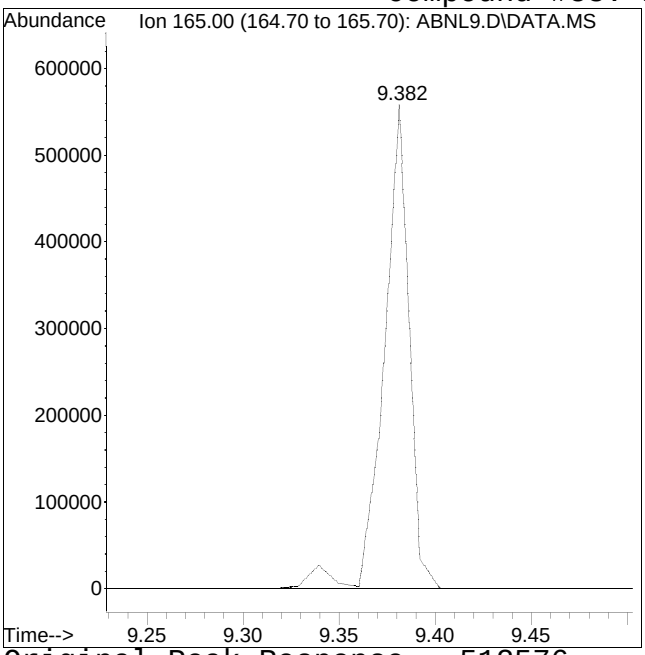


Original Peak Response = 308852 Manual Peak Response = 260630 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

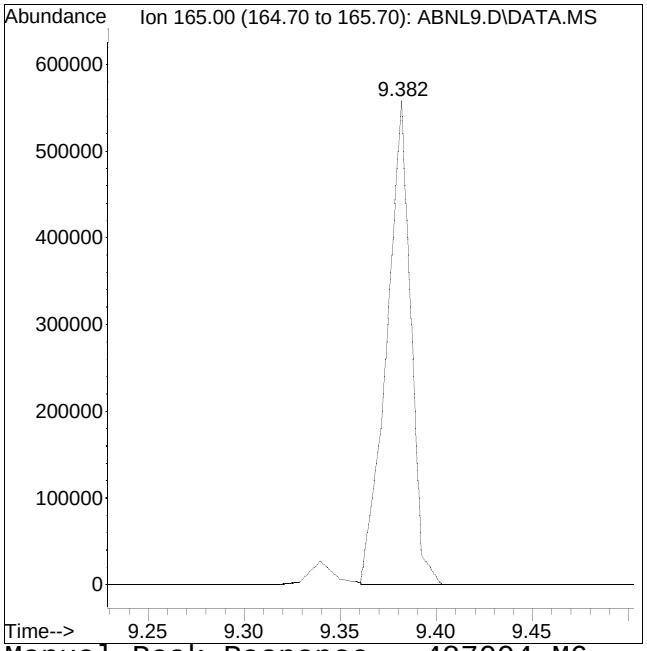
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 4:50 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/12/2025 6:14 am

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 512576



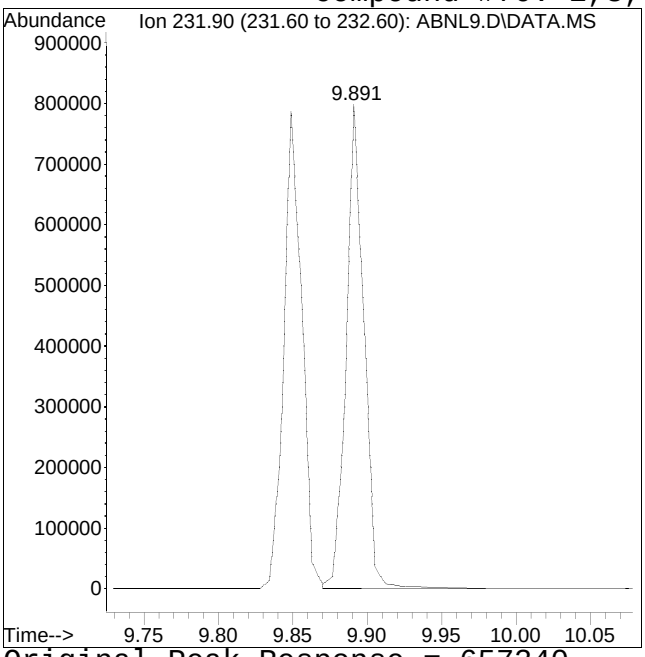
Manual Peak Response = 487004 M6

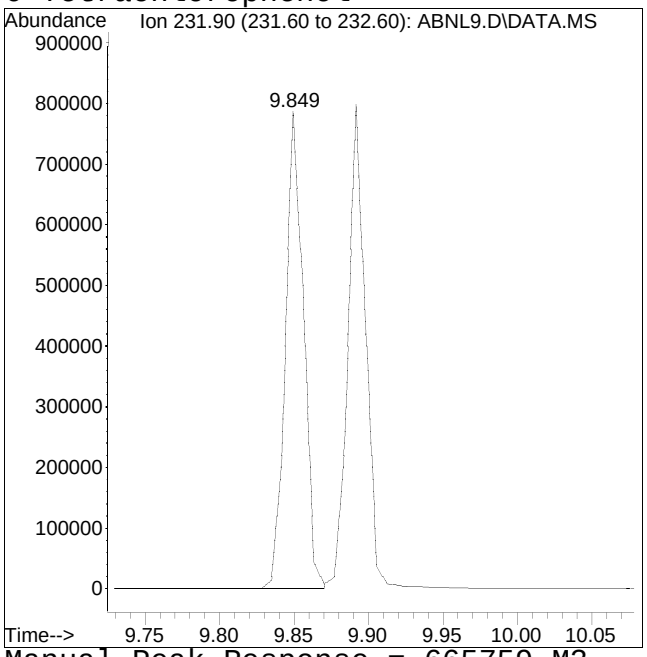
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 4:50 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/12/2025 6:14 am

Compound #70: 2,3,5,6-Tetrachlorophenol





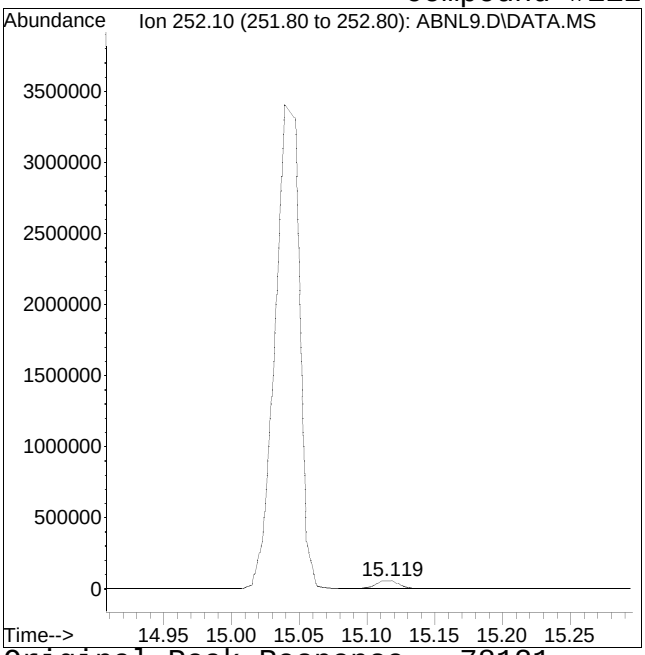
Original Peak Response = 657340 Manual Peak Response = 665759 M3

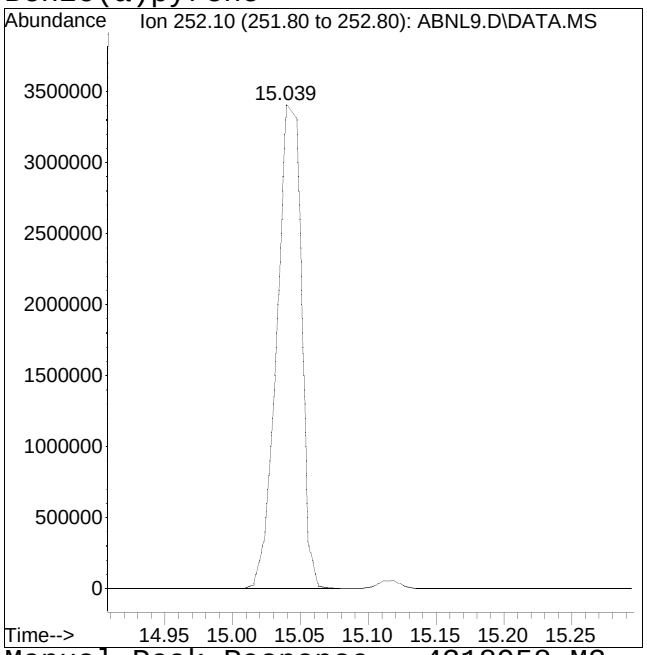
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 4:50 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/12/2025 6:14 am

Compound #112: Benzo(a)pyrene





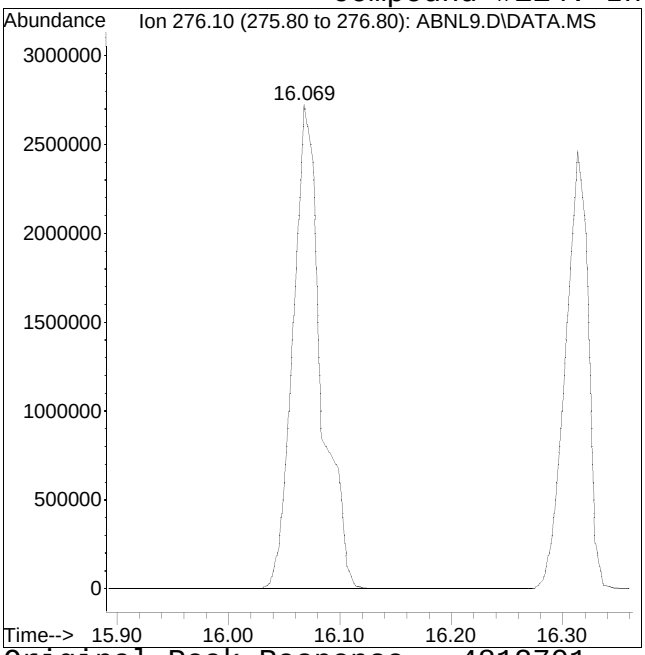
Original Peak Response = 78121 Manual Peak Response = 4318958 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

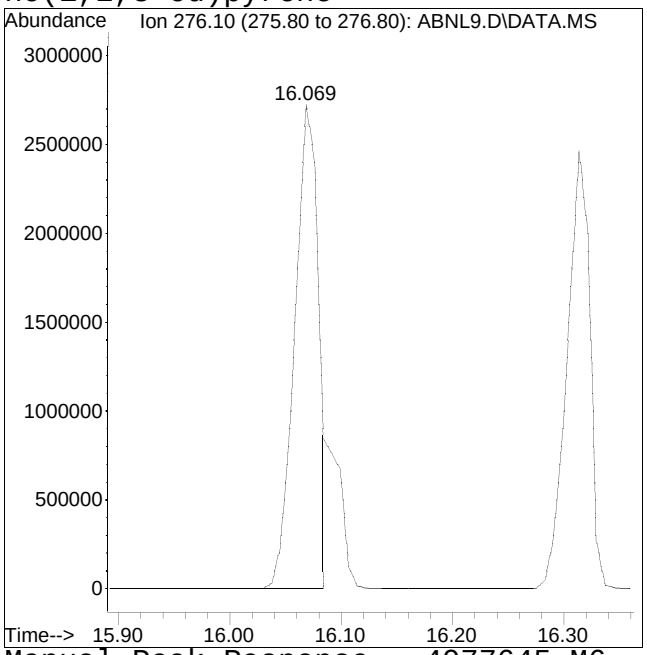
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL9.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 4:50 pm Instrument : SV 106
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4812701



Manual Peak Response = 4077645 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL8.D
Acq On : 11 Mar 2025 5:14 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2039658,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 12 06:28:27 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	54880	4.000	ug/ml	# 0.00
Standard Area 1 = 55857			Recovery = 98.25%			
35) IS1_Naphthalene-d8	7.790	136	204419	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 99.82%			
63) IS1_Acenaphthene-d10	9.550	164	127809	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 96.42%			
88) IS1_Phenanthrene-d10	10.995	188	261169	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 100.23%			
104) IS1_Chrysene-d12	13.625	240	282451	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 100.40%			
113) IS1_Perylene-d12	15.087	264	296909	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 98.78%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.370	112	399263	23.383	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1169.15%#			
7) Phenol-d6	5.985	99	464099	22.582	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1129.10%#			
19) Nitrobenzene-d5	7.017	82	415004	22.253	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2225.30%#			
46) 2-Fluorobiphenyl	8.918	172	1148043	24.265	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2426.50%#			
79) 2,4,6-Tribromophenol	10.321	330	191425	26.473	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 1323.65%#			
96) 4-Terphenyl-d14	12.576	244	1662213	23.715	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 2371.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	1.997	74	247797	23.758	ug/ml#	83
3) Pyridine	2.033	79	426611	25.514	ug/ml	83
5) Aniline	5.943	93	646412	26.602	ug/ml	99
6) 2-Chlorophenol	6.087	128	429692	22.940	ug/ml	95
8) Phenol	6.002	94	503505	23.607	ug/ml	98
9) Bis(2-chloroethyl)ether	6.070	93	387688	22.071	ug/ml#	74
10) 1,3-Dichlorobenzene	6.274	146	508954	22.230	ug/ml	97
11) 1,4-Dichlorobenzene	6.376	146	523842	22.462	ug/ml	97
12) 1,2-Dichlorobenzene	6.555	146	495237	22.143	ug/ml	97

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL8.D
Acq On : 11 Mar 2025 5:14 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2039658,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 12 06:28:27 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.572	79	341006	23.445	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.755	45	879325	31.828	ug/ml#	68
15) 2-Methylphenol	6.739	108	442752	28.729	ug/ml	91
16) Hexachloroethane	6.942	117	186727	22.170	ug/ml#	53
17) n-Nitrosodi-n-propylamine	6.897	70	309547	23.996	ug/ml	95
18) 3-Methylphenol/4-Methy...	6.927	108	397593	23.653	ug/ml	96
20) Nitrobenzene	7.040	77	421476	22.120	ug/ml	97
21) Isophorone	7.318	82	826238	24.926	ug/ml	98
22) 2-Nitrophenol	7.400	139	208890	21.365	ug/ml	90
23) 2,4-Dimethylphenol	7.506	107	438289	28.559	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.595	93	503954	22.756	ug/ml	91
25) 2,4-Dichlorophenol	7.667	162	424352	24.744	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.747	180	484851	24.392	ug/ml	98
36) Naphthalene	7.811	128	1307693	22.659	ug/ml	99
37) Benzoic Acid	7.639	105	288977	20.552	ug/ml	94
38) 4-Chloroaniline	7.898	65	172808	26.698	ug/ml	87
39) Hexachlorobutadiene	7.977	225	302546	24.796	ug/ml	99
40) p-Chloro-m-cresol	8.424	107	419246	27.693	ug/ml	90
41) 2-Methylnaphthalene	8.529	142	811020	21.090	ug/ml	96
42) 1-Methylnaphthalene	8.626	115	297824	23.938	ug/ml	97
43) Hexachlorocyclopentadiene	8.708	237	400793	29.946	ug/ml	98
44) 2,4,6-Trichlorophenol	8.828	196	345596	24.572	ug/ml	98
45) 2,4,5-Trichlorophenol	8.858	196	369236	25.359	ug/ml	98
47) 2-Chloronaphthalene	9.008	162	936375	23.355	ug/ml	95
48) 2-Nitroaniline	9.128	138	269282	23.596	ug/ml	85
49) 1,4-Dinitrobenzene	9.266	168	67162	11.525	ug/ml#	50
50) 1,3-Dinitrobenzene	9.340	168	155084	24.279	ug/ml#	1
51) Dimethyl phthalate	9.340	163	1137781	24.343	ug/ml#	99
52) Acenaphthylene	9.413	152	1532009	25.630	ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	226355M6	23.820	ug/ml	
54) 1,2-Dinitrobenzene	9.413	168	95785	23.253	ug/ml#	1
64) 3-Nitroaniline	9.529	138	250728	24.293	ug/ml	92
65) Acenaphthene	9.582	154	798630	21.601	ug/ml	91
66) 2,4-Dinitrophenol	9.635	184	130658	17.227	ug/ml#	80
67) Dibenzofuran	9.761	168	1676280	28.027	ug/ml	91
68) 2,4-Dinitrotoluene	9.761	165	355965	26.578	ug/ml	88
69) 4-Nitrophenol	9.719	65	188136	24.646	ug/ml#	27
70) 2,3,5,6-Tetrachlorophenol	9.849	232	317479M3	25.450	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL8.D
Acq On : 11 Mar 2025 5:14 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2039658,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 12 06:28:27 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.891	232	318972	25.907	ug/ml		99
72)	Diethyl phthalate	10.032	149	1135790	23.417	ug/ml		98
73)	Fluorene	10.089	166	1114170	23.853	ug/ml		96
74)	4-Chlorophenyl phenyl ...	10.110	204	561636	23.426	ug/ml	#	87
75)	4-Nitroaniline	10.124	138	239664M6	22.821	ug/ml		
76)	4,6-Dinitro-o-cresol	10.159	198	180916	18.942	ug/ml	#	63
77)	NDPA/DPA	10.230	169	939385	23.310	ug/ml		94
78)	Azobenzene	10.265	77	912863	23.182	ug/ml	#	90
80)	4-Bromophenyl phenyl e...	10.579	248	365379	24.601	ug/ml	#	82
81)	Hexachlorobenzene	10.632	284	419531	24.946	ug/ml	#	81
82)	Pentachlorophenol	10.821	266	268650	26.398	ug/ml		99
89)	Phenanthrene	11.018	178	1746300	22.790	ug/ml		99
90)	Anthracene	11.063	178	1781459	23.315	ug/ml		100
91)	Carbazole	11.238	167	1655382	24.061	ug/ml		99
92)	Di-n-butylphthalate	11.631	149	2389757	27.750	ug/ml	#	96
93)	Fluoranthene	12.172	202	2157909	24.419	ug/ml	#	92
94)	Benzidine	12.322	184	1398190	27.601	ug/ml	#	95
95)	Pyrene	12.388	202	2171200	23.290	ug/ml		100
97)	Butyl benzyl phthalate	13.101	149	904168	24.974	ug/ml		86
105)	Benzo(a)anthracene	13.617	228	2318562	23.806	ug/ml		100
106)	3,3'-Dichlorobenzidine	13.617	252	903815	28.249	ug/ml	#	96
107)	Chrysene	13.657	228	2080936	22.264	ug/ml		99
108)	Bis(2-ethylhexyl)phtha...	13.744	149	1337881	22.882	ug/ml		95
109)	Di-n-octylphthalate	14.426	149	2382433	24.571	ug/ml	#	76
110)	Benzo(b)fluoranthene	14.721	252	2364370	25.159	ug/ml	#	93
111)	Benzo(k)fluoranthene	14.752	252	2102995	24.024	ug/ml	#	93
112)	Benzo(a)pyrene	15.031	252	2129092M3	26.105	ug/ml		
114)	Indeno(1,2,3-cd)pyrene	16.061	276	2155023M6	23.942	ug/mL		
115)	Dibenzo(a,h)anthracene	16.084	278	2023783	23.641	ug/ml	#	88
116)	Benzo(ghi)perylene	16.306	276	1968083	24.554	ug/ml	#	86

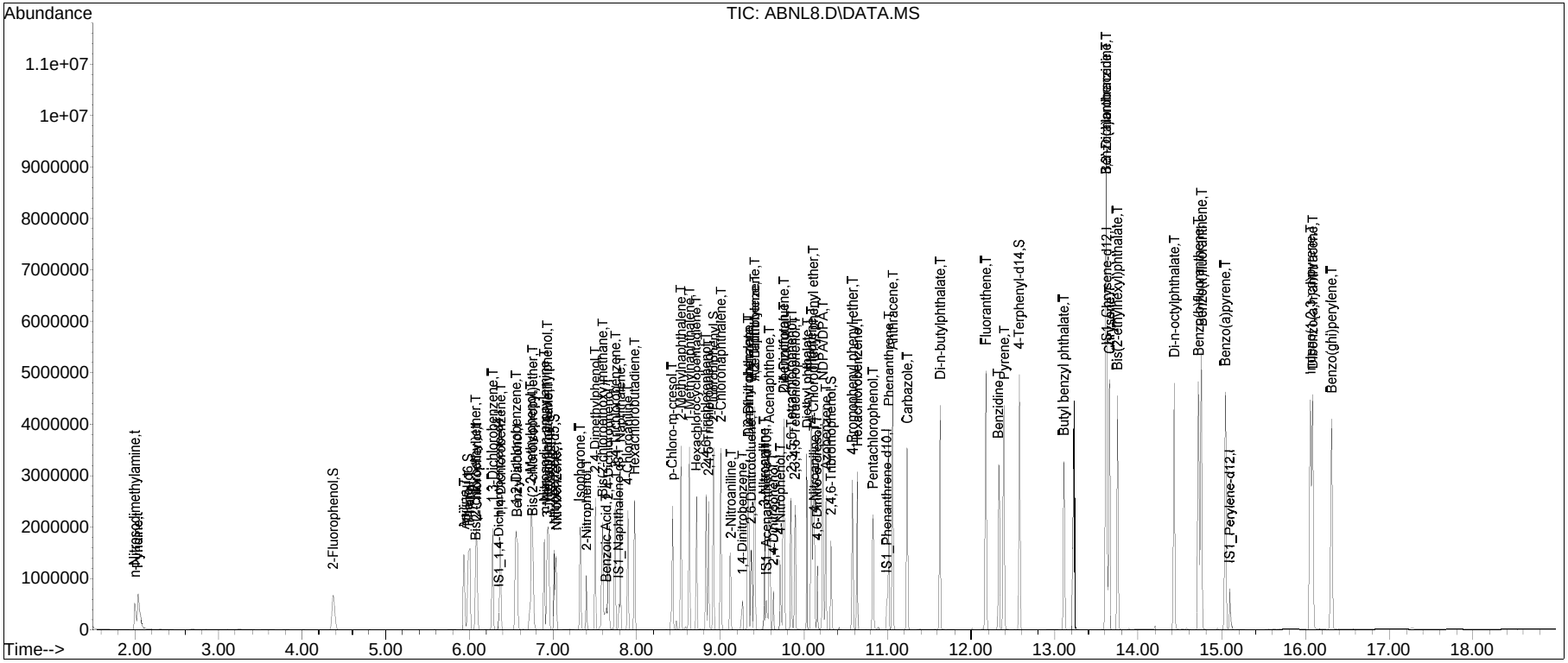
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL8.D
Acq On : 11 Mar 2025 5:14 pm
Operator : SV106:ljg
Sample : IL3,32,,ABNL25 Lot# 11426
Misc : WG2039658,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 12 06:28:27 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

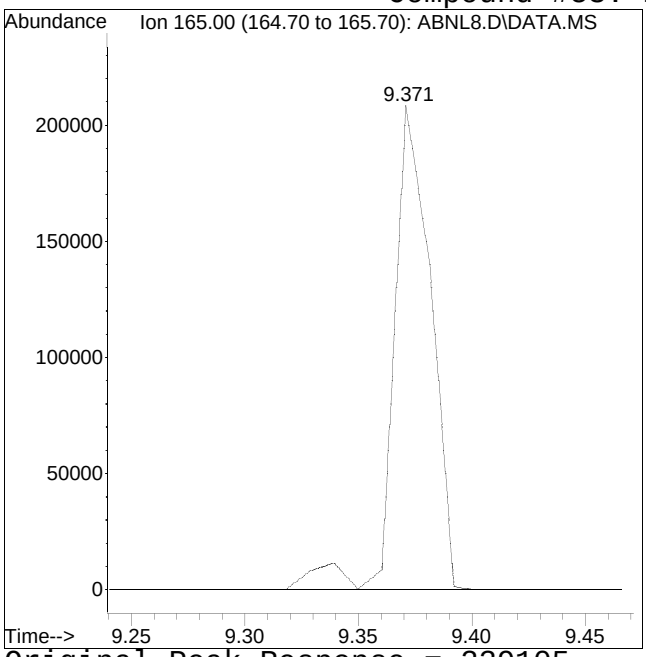
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



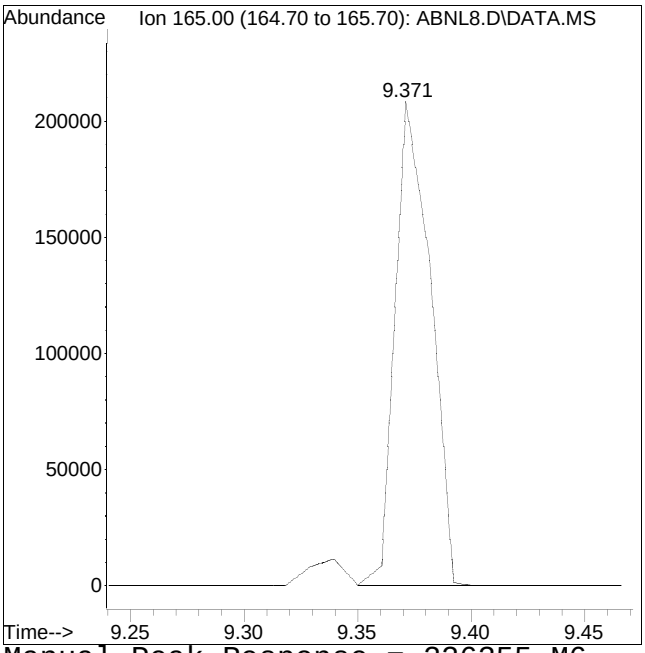
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:14 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/12/2025 6:14 am

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 239105



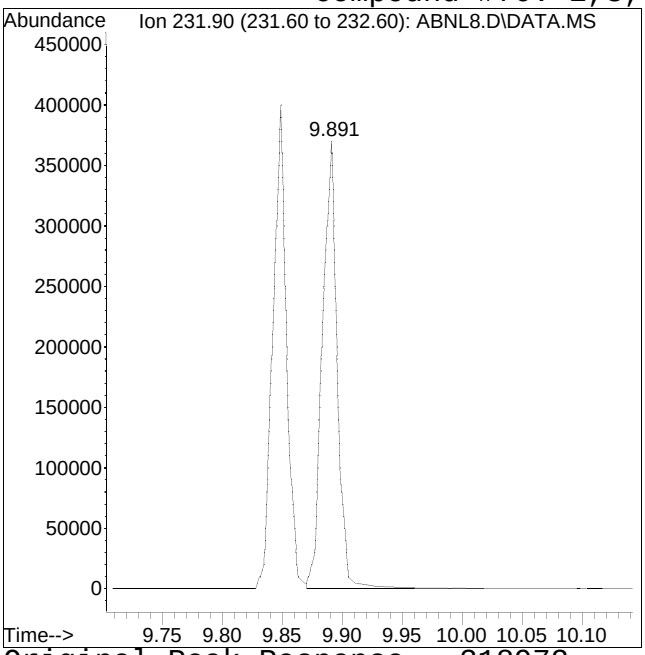
Manual Peak Response = 226355 M6

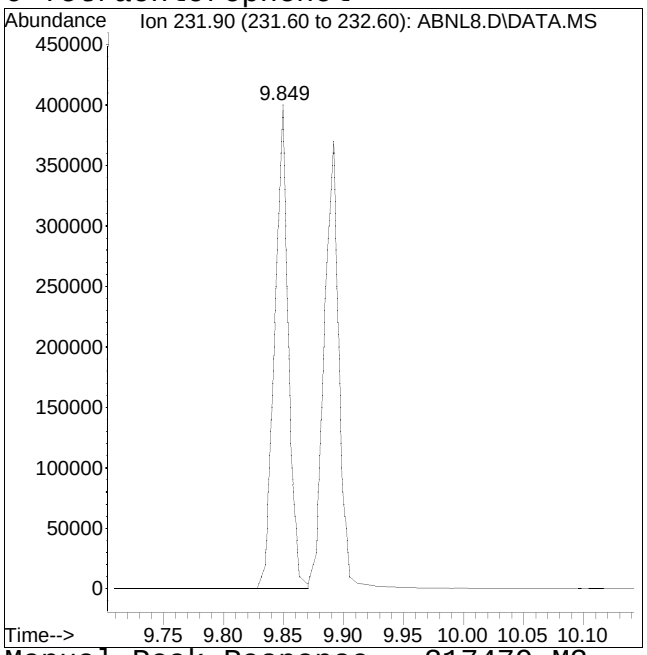
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:14 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/12/2025 6:14 am

Compound #70: 2,3,5,6-Tetrachlorophenol





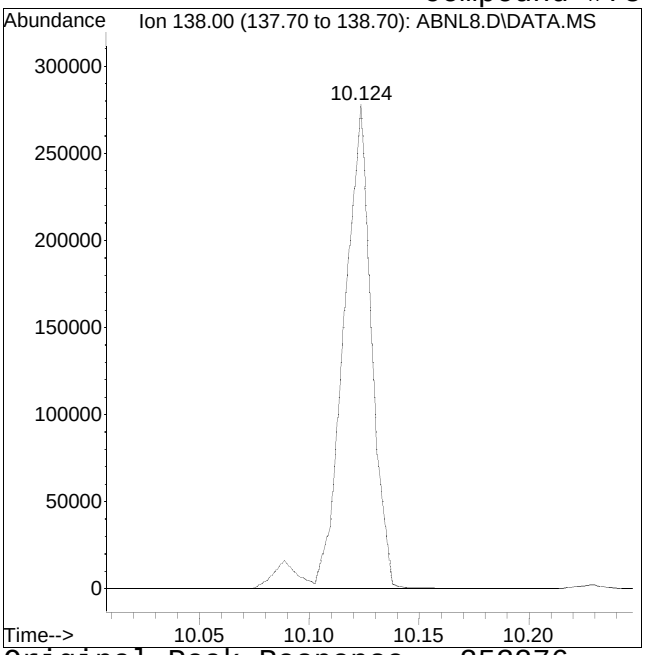
Original Peak Response = 318972 Manual Peak Response = 317479 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

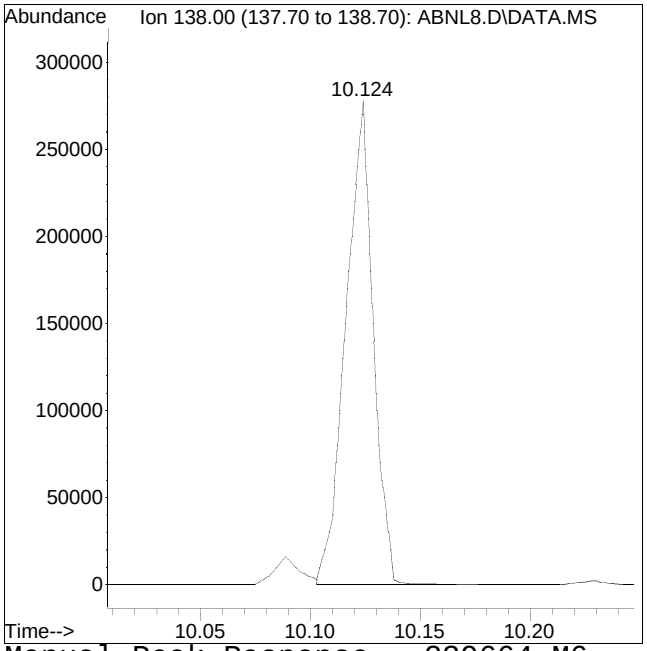
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:14 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/12/2025 6:14 am

Compound #75: 4-Nitroaniline



Original Peak Response = 253276



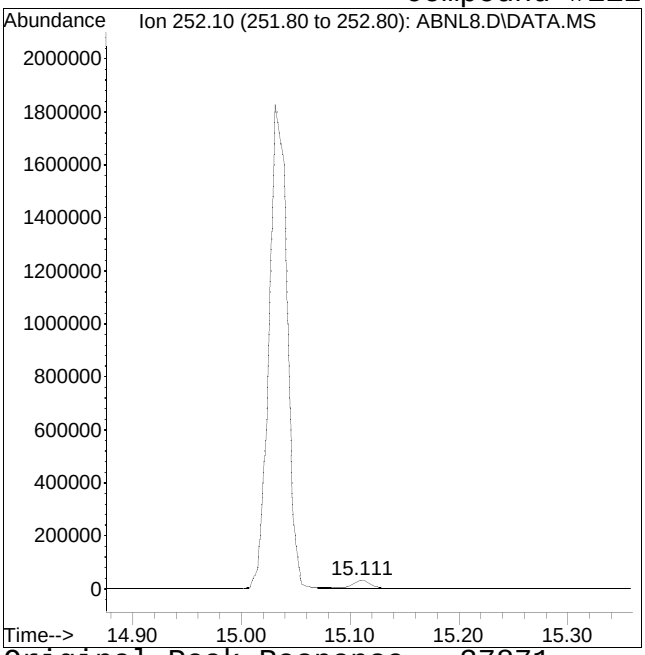
Manual Peak Response = 239664 M6

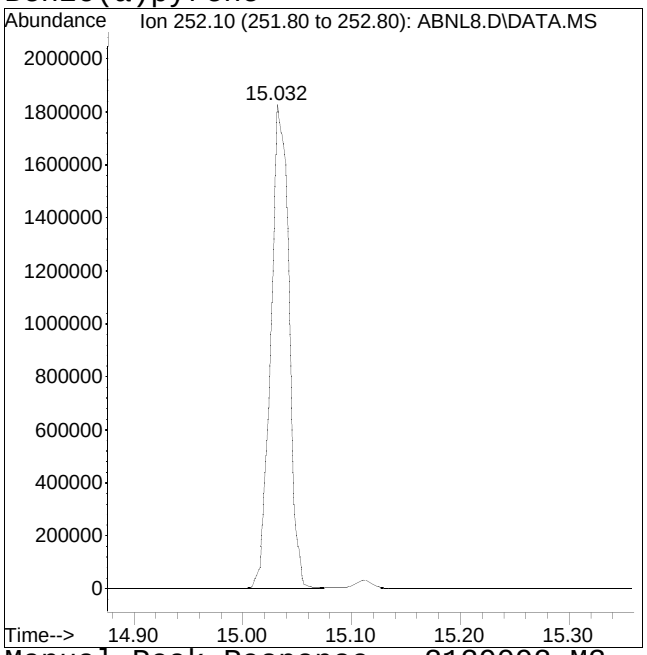
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:14 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/12/2025 6:14 am

Compound #112: Benzo(a)pyrene





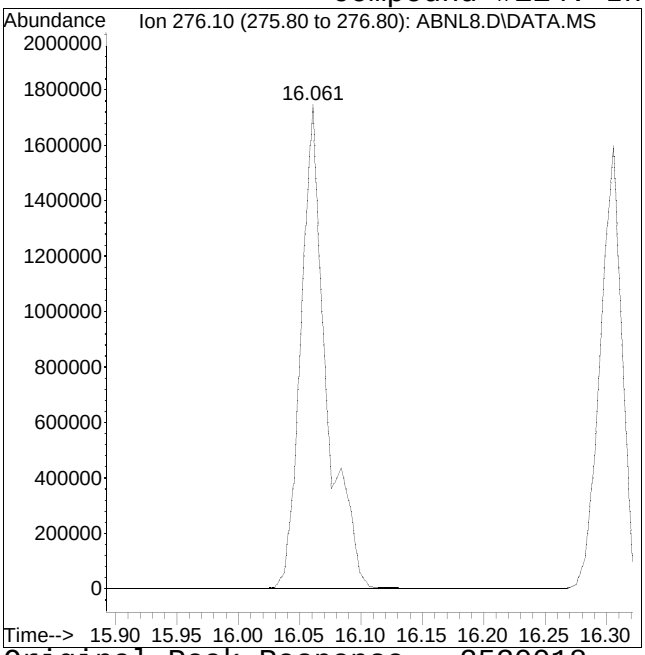
Original Peak Response = 37871 Manual Peak Response = 2129092 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

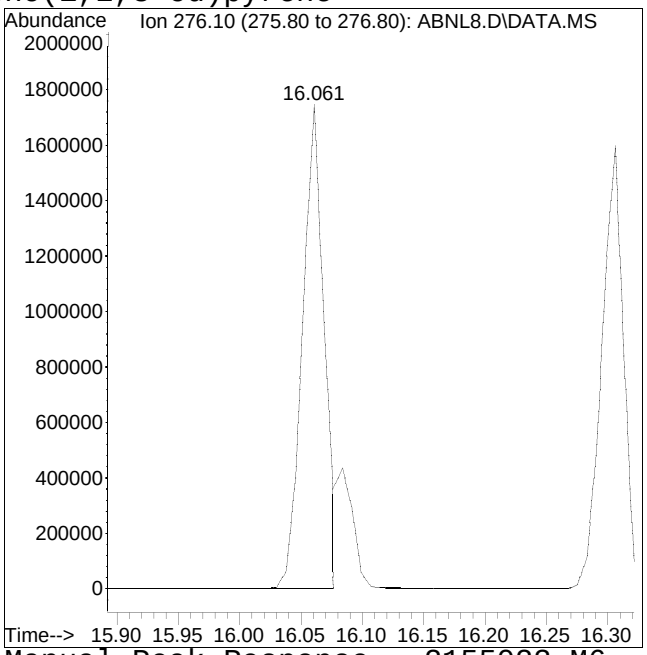
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL8.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:14 pm Instrument : SV 106
Sample : IL3,32,,ABNL25 Lot# 11426 Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2530018



Manual Peak Response = 2155023 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL7.D
Acq On : 11 Mar 2025 5:37 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2039658,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 06:26:23 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	55103	4.000	ug/ml	# 0.00
Standard Area 1 = 55857			Recovery = 98.65%			
35) IS1_Naphthalene-d8	7.790	136	202673	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 98.97%			
63) IS1_Acenaphthene-d10	9.550	164	128980	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 97.30%			
88) IS1_Phenanthrene-d10	10.988	188	256960	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 98.62%			
104) IS1_Chrysene-d12	13.625	240	272545	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 96.88%			
113) IS1_Perylene-d12	15.087	264	285732	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 95.06%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.377	112	154257	8.998	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 449.90%#			
7) Phenol-d6	5.985	99	180064	8.726	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 436.30%#			
19) Nitrobenzene-d5	7.017	82	156883	8.378	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 837.80%#			
46) 2-Fluorobiphenyl	8.911	172	444349	9.473	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 947.30%#			
79) 2,4,6-Tribromophenol	10.321	330	70259	9.628	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 481.40%#			
96) 4-Terphenyl-d14	12.576	244	625921	9.076	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 907.60%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.004	74	96353	9.201	ug/ml	84
3) Pyridine	2.048	79	164108	9.775	ug/ml	80
5) Aniline	5.943	93	251454	10.306	ug/ml	99
6) 2-Chlorophenol	6.087	128	170071	9.043	ug/ml	94
8) Phenol	5.994	94	197664	9.230	ug/ml	98
9) Bis(2-chloroethyl)ether	6.079	93	155116	8.795	ug/ml#	75
10) 1,3-Dichlorobenzene	6.274	146	200867	8.738	ug/ml	97
11) 1,4-Dichlorobenzene	6.376	146	207651	8.868	ug/ml	97
12) 1,2-Dichlorobenzene	6.555	146	195867	8.722	ug/ml	96

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL7.D
Acq On : 11 Mar 2025 5:37 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2039658,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 06:26:23 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.572	79	129988	8.901	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.754	45	349167	12.587	ug/ml#	68
15) 2-Methylphenol	6.739	108	163144	10.543	ug/ml#	82
16) Hexachloroethane	6.942	117	73789	8.725	ug/ml#	53
17) n-Nitrosodi-n-propylamine	6.897	70	117860	9.100	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.927	108	153638	9.103	ug/ml	98
20) Nitrobenzene	7.040	77	163114	8.526	ug/ml	98
21) Isophorone	7.318	82	320458	9.628	ug/ml	99
22) 2-Nitrophenol	7.400	139	76302	7.773	ug/ml	90
23) 2,4-Dimethylphenol	7.506	107	168277	10.921	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.595	93	197764	8.894	ug/ml	98
25) 2,4-Dichlorophenol	7.660	162	160984	9.349	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.747	180	189475	9.494	ug/ml	97
36) Naphthalene	7.811	128	513661	8.977	ug/ml	99
37) Benzoic Acid	7.603	105	86826	7.130	ug/ml	95
38) 4-Chloroaniline	7.898	65	66635	10.384	ug/ml	84
39) Hexachlorobutadiene	7.977	225	119161	9.850	ug/ml	99
40) p-Chloro-m-cresol	8.424	107	158212	10.541	ug/ml#	90
41) 2-Methylnaphthalene	8.528	142	313464	8.222	ug/ml	95
42) 1-Methylnaphthalene	8.626	115	116656	9.457	ug/ml	97
43) Hexachlorocyclopentadiene	8.708	237	152567	11.498	ug/ml	99
44) 2,4,6-Trichlorophenol	8.828	196	130771	9.378	ug/ml	99
45) 2,4,5-Trichlorophenol	8.858	196	138125	9.568	ug/ml	97
47) 2-Chloronaphthalene	9.008	162	363990	9.157	ug/ml	95
48) 2-Nitroaniline	9.120	138	95462	8.437	ug/ml	86
49) 1,4-Dinitrobenzene	9.266	168	12883M3	2.230	ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	53928	8.515	ug/ml#	1
51) Dimethyl phthalate	9.329	163	436059	9.410	ug/ml#	99
52) Acenaphthylene	9.413	152	593387	10.013	ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	88502	9.394	ug/ml#	79
54) 1,2-Dinitrobenzene	9.413	168	38765	9.492	ug/ml#	1
64) 3-Nitroaniline	9.529	138	94430	9.066	ug/ml	90
65) Acenaphthene	9.582	154	318795	8.544	ug/ml	91
66) 2,4-Dinitrophenol	9.624	184	42329	6.341	ug/ml#	83
67) Dibenzofuran	9.751	168	537431	8.904	ug/ml	94
68) 2,4-Dinitrotoluene	9.761	165	113785	8.419	ug/ml#	84
69) 4-Nitrophenol	9.719	65	69782	9.059	ug/ml#	76
70) 2,3,5,6-Tetrachlorophenol	9.849	232	161653M3	12.841	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL7.D
Acq On : 11 Mar 2025 5:37 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2039658,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 06:26:23 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.891	232	117178	9.431	ug/ml	97
72)	Diethyl phthalate	10.025	149	421805	8.618	ug/ml	98
73)	Fluorene	10.089	166	435177	9.232	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.110	204	219610	9.077	ug/ml#	86
75)	4-Nitroaniline	10.117	138	85077M6	8.027	ug/ml	
76)	4,6-Dinitro-o-cresol	10.152	198	61656	6.623	ug/ml#	63
77)	NDPA/DPA	10.223	169	364639	8.966	ug/ml	95
78)	Azobenzene	10.258	77	361637	9.100	ug/ml#	91
80)	4-Bromophenyl phenyl e...	10.579	248	139667	9.319	ug/ml#	83
81)	Hexachlorobenzene	10.632	284	161066	9.490	ug/ml#	80
82)	Pentachlorophenol	10.821	266	96824	9.428	ug/ml	99
89)	Phenanthrene	11.010	178	674340	8.944	ug/ml	99
90)	Anthracene	11.063	178	685128	9.113	ug/ml	100
91)	Carbazole	11.230	167	634344	9.371	ug/ml	100
92)	Di-n-butylphthalate	11.631	149	736778	8.696	ug/ml	98
93)	Fluoranthene	12.163	202	807618	9.289	ug/ml#	92
94)	Benzidine	12.322	184	502505	10.082	ug/ml#	95
95)	Pyrene	12.379	202	821987	8.962	ug/ml	99
97)	Butyl benzyl phthalate	13.101	149	301836	8.473	ug/ml	86
105)	Benzo(a)anthracene	13.609	228	863894	9.193	ug/ml	100
106)	3,3'-Dichlorobenzidine	13.617	252	326001	10.560	ug/ml#	96
107)	Chrysene	13.649	228	776841	8.613	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	13.744	149	460960	8.170	ug/ml	95
109)	Di-n-octylphthalate	14.426	149	762488	8.150	ug/ml#	76
110)	Benzo(b)fluoranthene	14.721	252	853895	9.417	ug/ml#	93
111)	Benzo(k)fluoranthene	14.744	252	834031	9.874	ug/ml#	93
112)	Benzo(a)pyrene	15.031	252	789869	10.037	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.053	276	808275M6	9.331	ug/mL	
115)	Dibenzo(a,h)anthracene	16.076	278	795853	9.660	ug/ml#	89
116)	Benzo(ghi)perylene	16.298	276	765755	9.927	ug/ml#	86

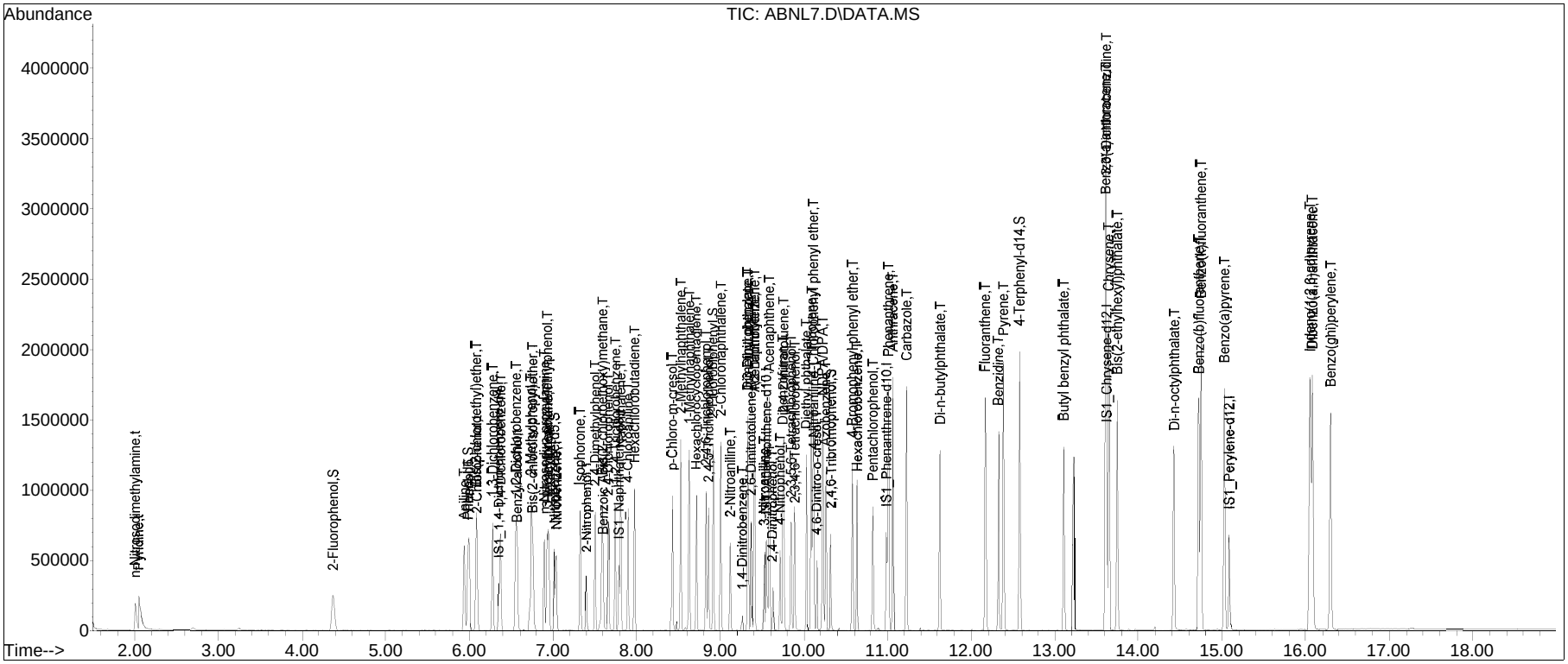
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL7.D
Acq On : 11 Mar 2025 5:37 pm
Operator : SV106:ljg
Sample : IL4,32,,ABNL10 Lot# 11427
Misc : WG2039658,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 12 06:26:23 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

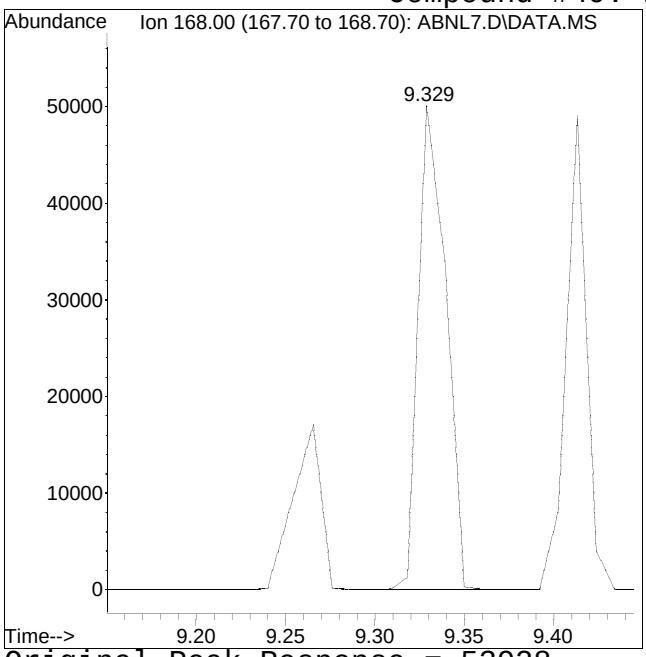
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

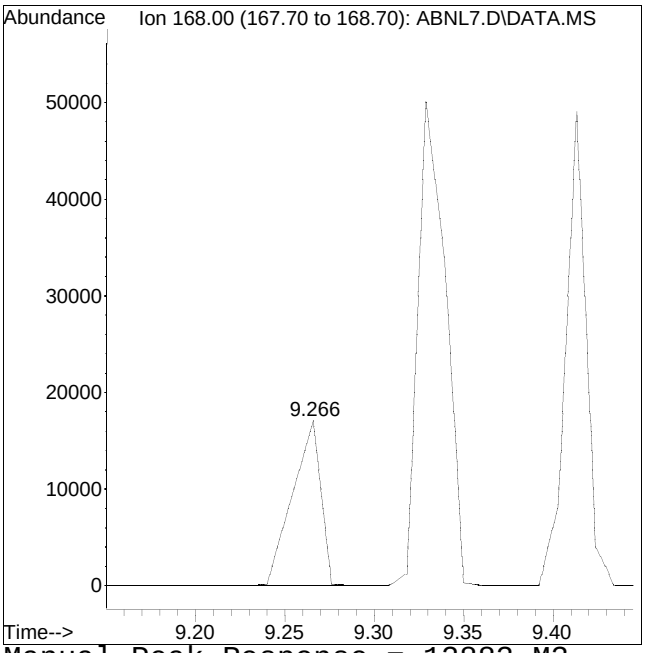


Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL7.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:37 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/12/2025 6:14 am

Compound #49: 1,4-Dinitrobenzene





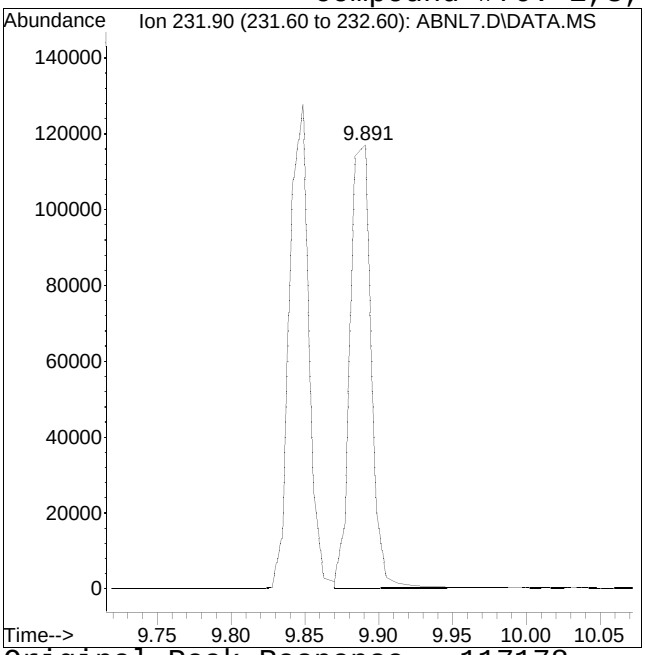
Original Peak Response = 53928 Manual Peak Response = 12883 M3

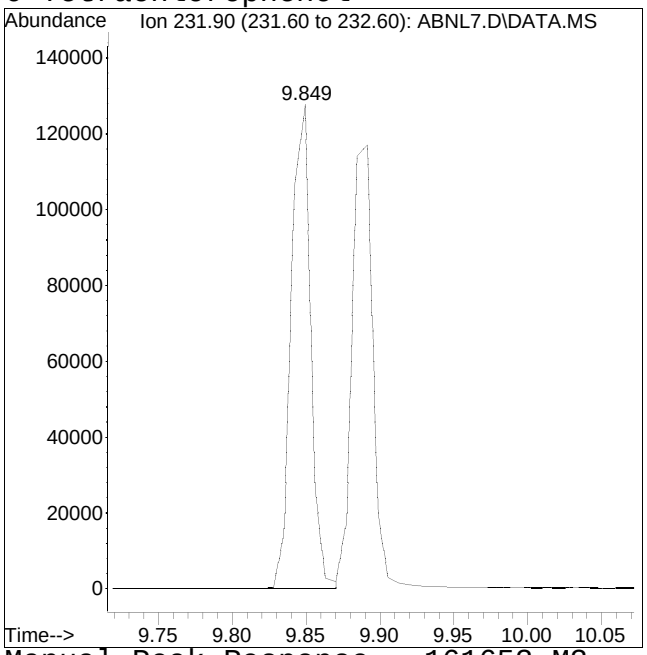
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL7.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:37 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/12/2025 6:14 am

Compound #70: 2,3,5,6-Tetrachlorophenol





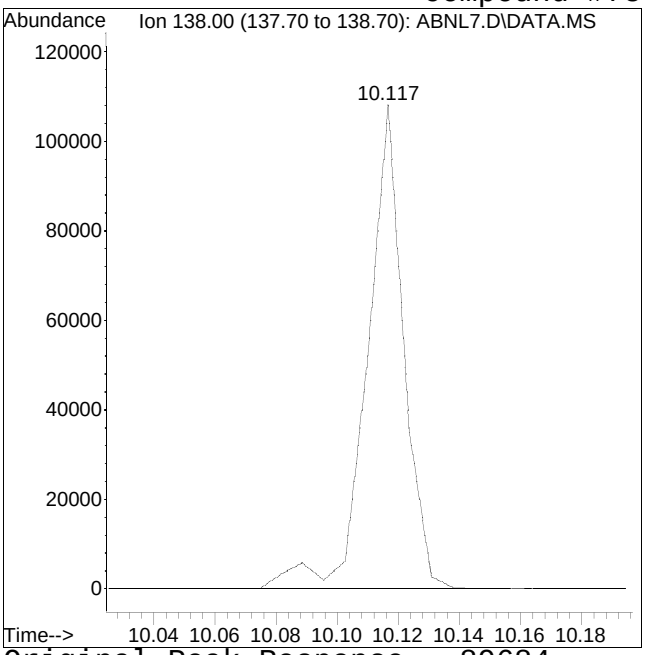
Original Peak Response = 117178 Manual Peak Response = 161653 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

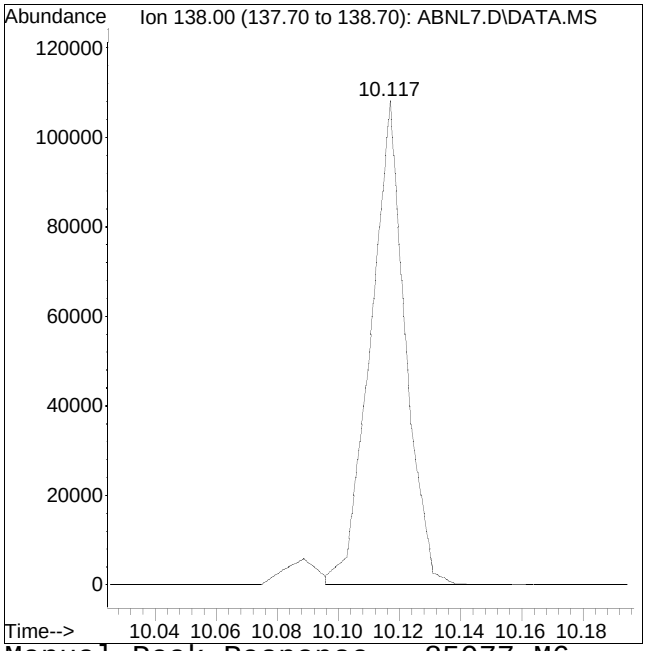
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL7.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:37 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/12/2025 6:14 am

Compound #75: 4-Nitroaniline



Original Peak Response = 89684



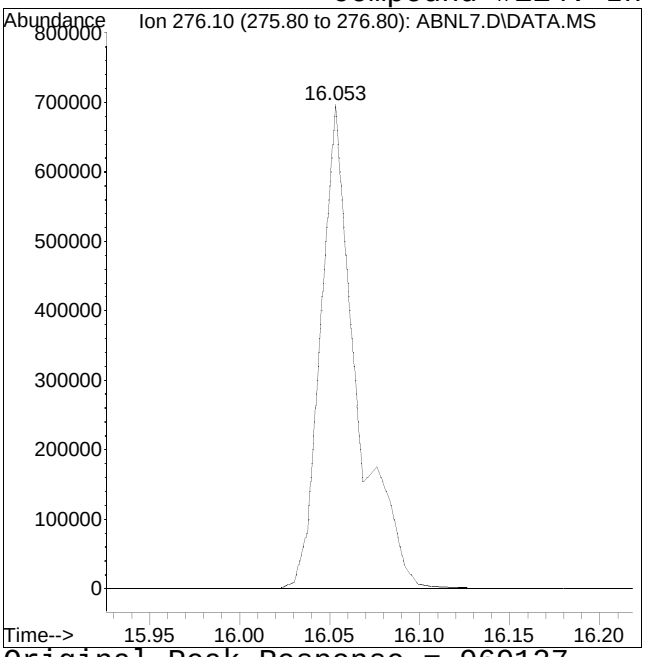
Manual Peak Response = 85077 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

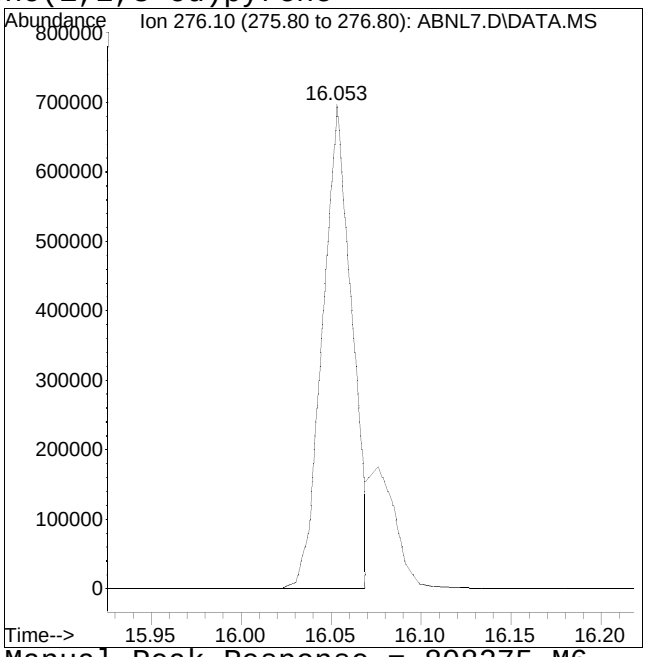
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL7.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 5:37 pm Instrument : SV 106
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 969127



Manual Peak Response = 808275 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL6.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2039658,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 06:26:53 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:42 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	55857	4.000	ug/ml	0.00
Standard Area 1 = 55857			Recovery = 100.00%			
35) IS1_Naphthalene-d8	7.790	136	204785	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 100.00%			
63) IS1_Acenaphthene-d10	9.551	164	132560	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 100.00%			
88) IS1_Phenanthrene-d10	10.988	188	260564	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 100.00%			
104) IS1_Chrysene-d12	13.618	240	281321	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 100.00%			
113) IS1_Perylene-d12	15.080	264	300591	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 100.00%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.370	112	77157	4.440	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 222.00%#			
7) Phenol-d6	5.977	99	91274	4.364	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 218.20%#			
19) Nitrobenzene-d5	7.018	82	76950	4.054	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 405.40%#			
46) 2-Fluorobiphenyl	8.911	172	228517	4.821	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 482.10%#			
79) 2,4,6-Tribromophenol	10.321	330	35485	4.731	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 236.55%#			
96) 4-Terphenyl-d14	12.576	244	326082	4.663	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 466.30%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.005	74	49027	4.618	ug/ml	86
3) Pyridine	2.055	79	80239	4.715	ug/ml	81
5) Aniline	5.943	93	126413	5.111	ug/ml	99
6) 2-Chlorophenol	6.087	128	83752	4.393	ug/ml	95
8) Phenol	5.994	94	99496	4.583	ug/ml	98
9) Bis(2-chloroethyl)ether	6.079	93	79241	4.432	ug/ml#	75
10) 1,3-Dichlorobenzene	6.274	146	102365	4.393	ug/ml	97
11) 1,4-Dichlorobenzene	6.368	146	107450	4.527	ug/ml	96
12) 1,2-Dichlorobenzene	6.555	146	99264	4.361	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL6.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2039658,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 06:26:53 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:42 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.572	79	63182	4.268	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.755	45	181901	6.469	ug/ml#	70
15) 2-Methylphenol	6.740	108	85645	5.460	ug/ml	86
16) Hexachloroethane	6.942	117	37639	4.391	ug/ml#	56
17) n-Nitrosodi-n-propylamine	6.897	70	59078	4.500	ug/ml	94
18) 3-Methylphenol/4-Methy...	6.927	108	77344	4.521	ug/ml	97
20) Nitrobenzene	7.040	77	79381	4.093	ug/ml	99
21) Isophorone	7.318	82	159426	4.725	ug/ml	100
22) 2-Nitrophenol	7.401	139	35760	3.594	ug/ml	91
23) 2,4-Dimethylphenol	7.498	107	85657	5.484	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.596	93	102484	4.547	ug/ml	97
25) 2,4-Dichlorophenol	7.660	162	80700	4.623	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.740	180	96522	4.771	ug/ml	97
36) Naphthalene	7.804	128	261190	4.518	ug/ml	99
37) Benzoic Acid	7.573	105	25679	3.002	ug/ml	89
38) 4-Chloroaniline	7.898	65	33932	5.233	ug/ml	83
39) Hexachlorobutadiene	7.977	225	61202	5.007	ug/ml	100
40) p-Chloro-m-cresol	8.424	107	79422	5.237	ug/ml	89
41) 2-Methylnaphthalene	8.529	142	160087	4.155	ug/ml	95
42) 1-Methylnaphthalene	8.626	115	59563	4.779	ug/ml	98
43) Hexachlorocyclopentadiene	8.709	237	76282	5.689	ug/ml	99
44) 2,4,6-Trichlorophenol	8.828	196	64510M3	4.578	ug/ml	
45) 2,4,5-Trichlorophenol	8.858	196	67368	4.619	ug/ml	97
47) 2-Chloronaphthalene	9.008	162	187936	4.679	ug/ml	95
48) 2-Nitroaniline	9.121	138	44431	3.886	ug/ml	88
49) 1,4-Dinitrobenzene	9.266	168	3874M3	0.664	ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	25557	3.994	ug/ml#	1
51) Dimethyl phthalate	9.329	163	231268	4.939	ug/ml#	98
52) Acenaphthylene	9.403	152	300628	5.020	ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	45398	4.769	ug/ml#	74
54) 1,2-Dinitrobenzene	9.414	168	17866	4.330	ug/ml#	1
64) 3-Nitroaniline	9.529	138	44009	4.111	ug/ml#	94
65) Acenaphthene	9.582	154	169335	4.416	ug/ml	91
66) 2,4-Dinitrophenol	9.624	184	19364	3.485	ug/ml	88
67) Dibenzofuran	9.751	168	279828	4.511	ug/ml#	77
68) 2,4-Dinitrotoluene	9.761	165	54928	3.954	ug/ml#	82
69) 4-Nitrophenol	9.719	65	32799	4.143	ug/ml#	31
70) 2,3,5,6-Tetrachlorophenol	9.842	232	58593M3	4.529	ug/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL6.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2039658,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 06:26:53 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:42 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	57822	4.528	ug/ml	96
72)	Diethyl phthalate	10.025	149	222318	4.419	ug/ml	98
73)	Fluorene	10.089	166	223972	4.623	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.110	204	113786	4.576	ug/ml#	87
75)	4-Nitroaniline	10.117	138	43107M6	3.957	ug/ml	
76)	4,6-Dinitro-o-cresol	10.152	198	29139	3.231	ug/ml#	63
77)	NDPA/DPA	10.223	169	187729	4.491	ug/ml	94
78)	Azobenzene	10.258	77	183971	4.504	ug/ml#	90
80)	4-Bromophenyl phenyl e...	10.579	248	72907	4.733	ug/ml#	81
81)	Hexachlorobenzene	10.624	284	82939	4.755	ug/ml#	80
82)	Pentachlorophenol	10.821	266	46041	4.362	ug/ml	99
89)	Phenanthrene	11.011	178	347207	4.542	ug/ml	99
90)	Anthracene	11.064	178	353638	4.639	ug/ml	100
91)	Carbazole	11.230	167	324365	4.726	ug/ml	99
92)	Di-n-butylphthalate	11.624	149	363209	4.227	ug/ml	99
93)	Fluoranthene	12.163	202	408818	4.637	ug/ml#	92
94)	Benzidine	12.323	184	240598	4.761	ug/ml#	94
95)	Pyrene	12.379	202	432613	4.651	ug/ml	100
97)	Butyl benzyl phthalate	13.101	149	143332	3.968	ug/ml	86
105)	Benzo(a)anthracene	13.610	228	429486M3	4.428	ug/ml	
106)	3,3'-Dichlorobenzidine	13.618	252	160540	5.038	ug/ml#	97
107)	Chrysene	13.649	228	418335	4.494	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	13.744	149	229451	3.940	ug/ml	94
109)	Di-n-octylphthalate	14.418	149	365799	3.788	ug/ml#	77
110)	Benzo(b)fluoranthene	14.713	252	468863M3	5.009	ug/ml	
111)	Benzo(k)fluoranthene	14.745	252	417264	4.786	ug/ml#	93
112)	Benzo(a)pyrene	15.024	252	414024M3	5.097	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	16.046	276	426992M6	4.686	ug/mL	
115)	Dibenzo(a,h)anthracene	16.077	278	412072	4.755	ug/ml#	89
116)	Benzo(ghi)perylene	16.291	276	399794	4.927	ug/ml#	86

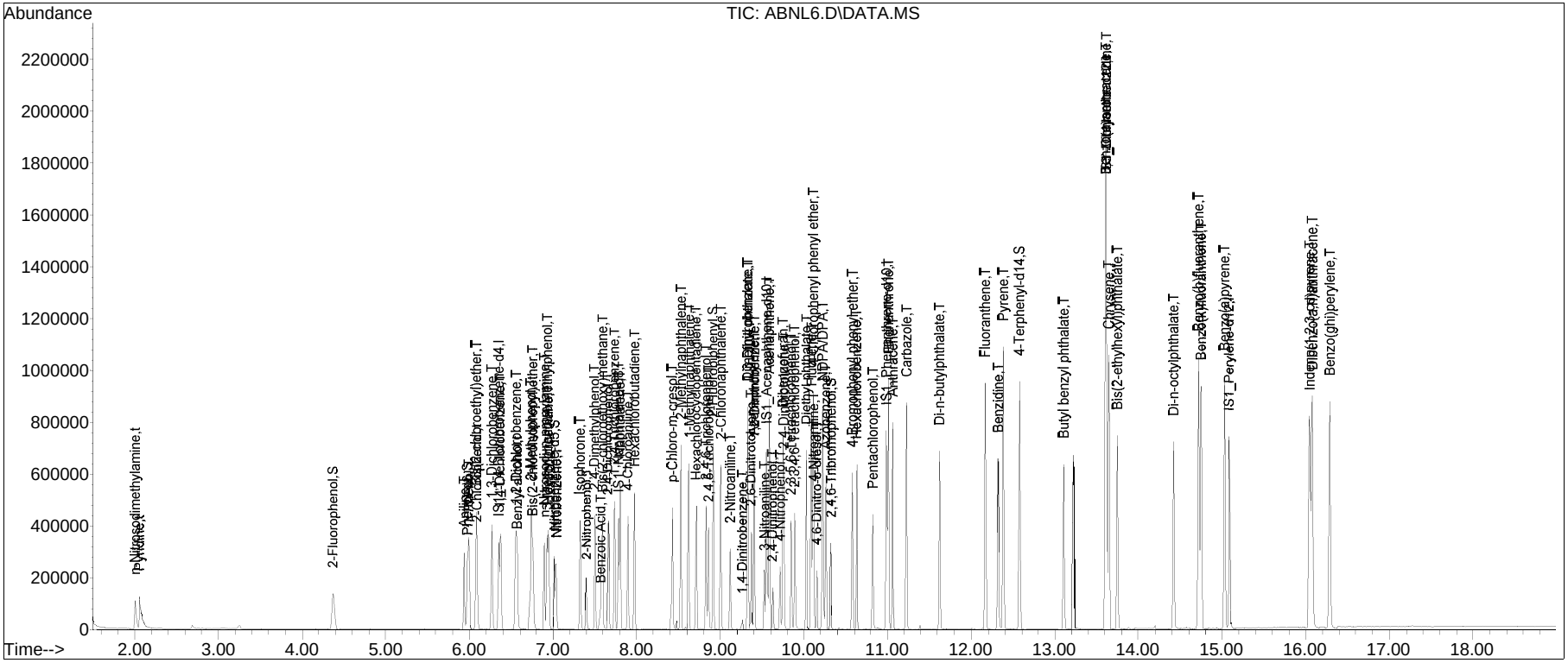
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL6.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:ljg
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2039658,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 12 06:26:53 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:42 2025
Response via : Initial Calibration

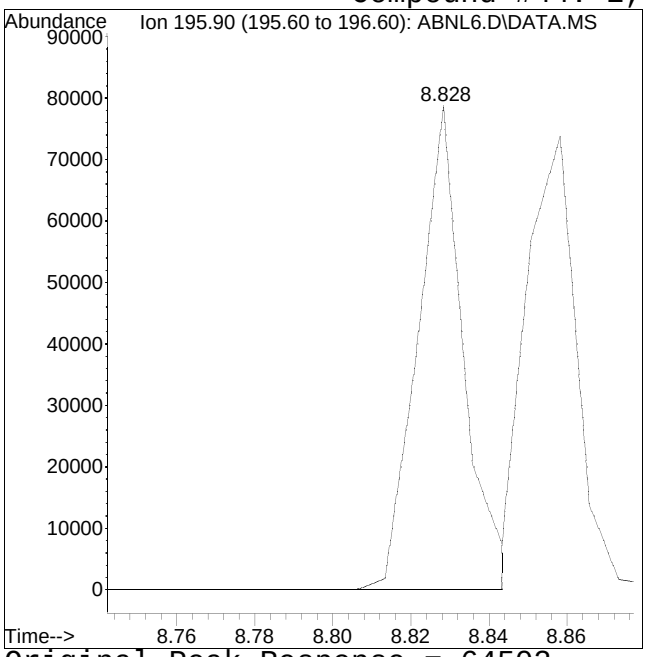
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



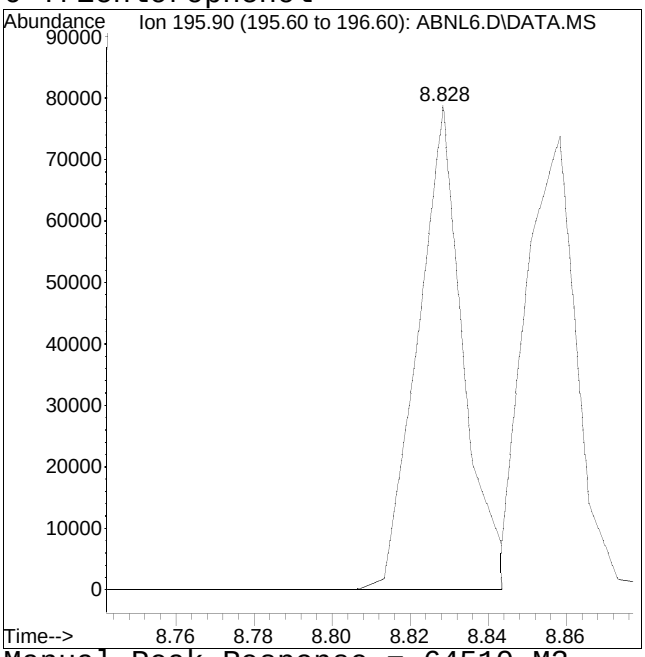
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #44: 2,4,6-Trichlorophenol



Original Peak Response = 64502



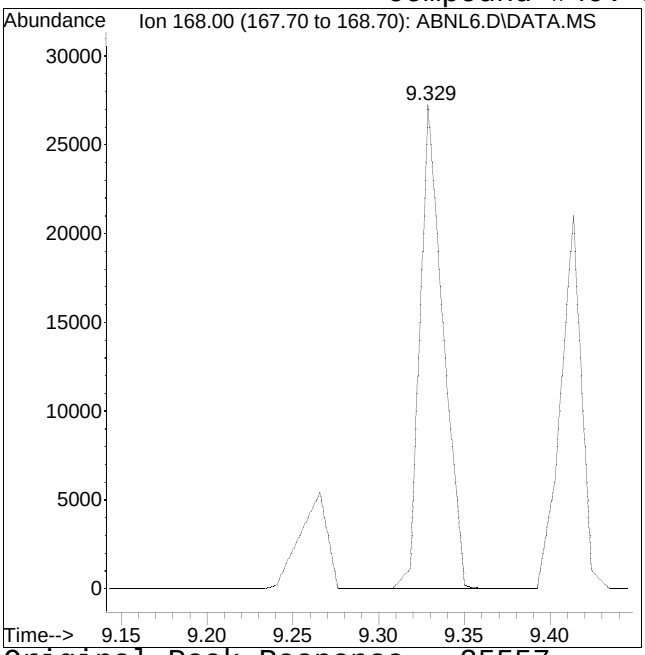
Manual Peak Response = 64510 M3

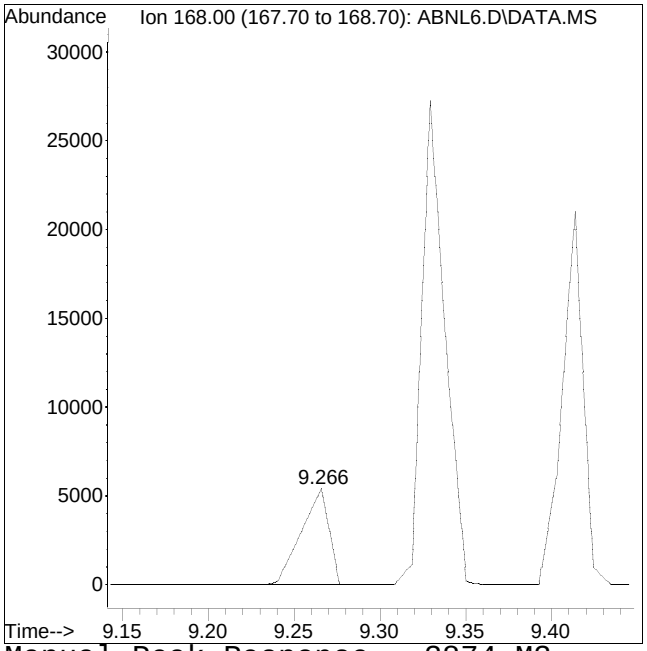
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #49: 1,4-Dinitrobenzene



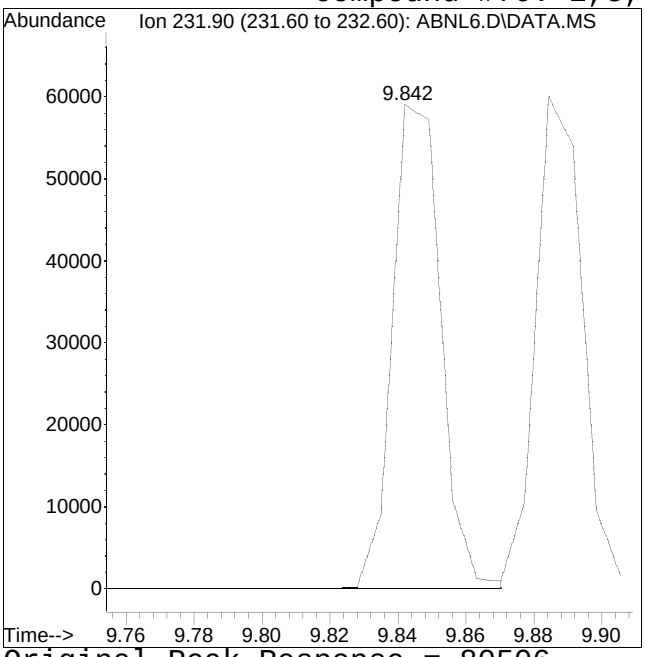


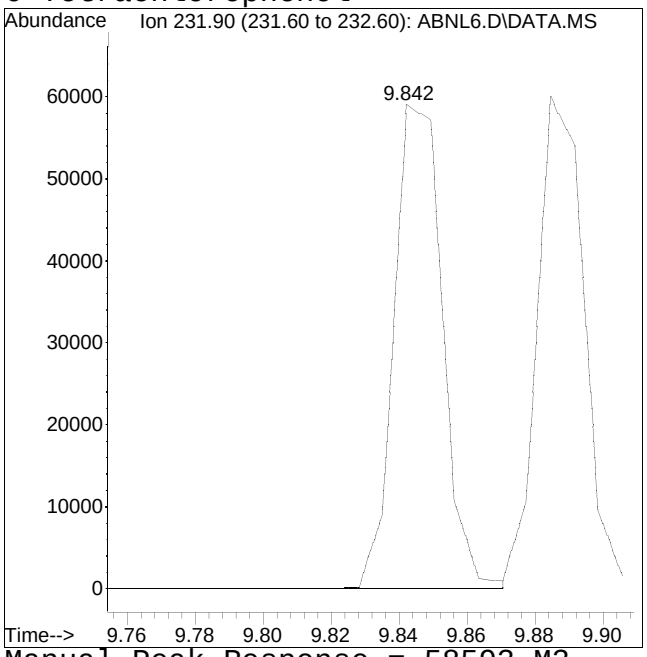
Original Peak Response = 25557 Manual Peak Response = 3874 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #70: 2,3,5,6-Tetrachlorophenol





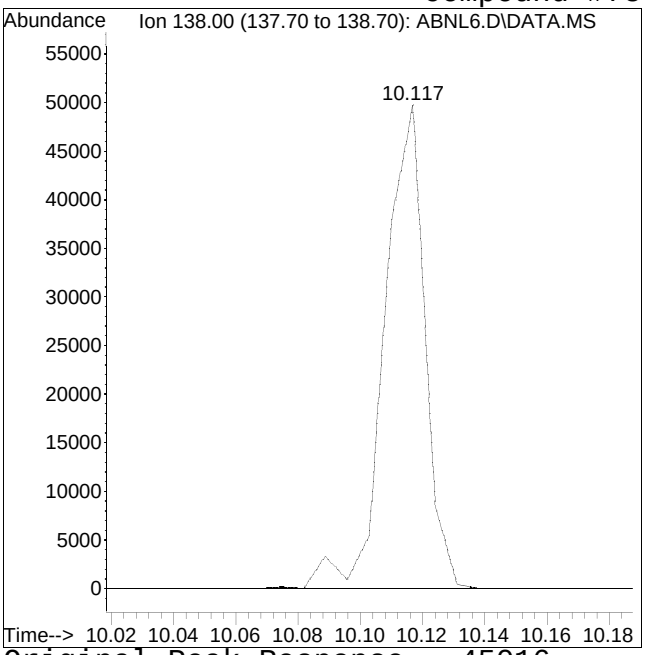
Original Peak Response = 80506 Manual Peak Response = 58593 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

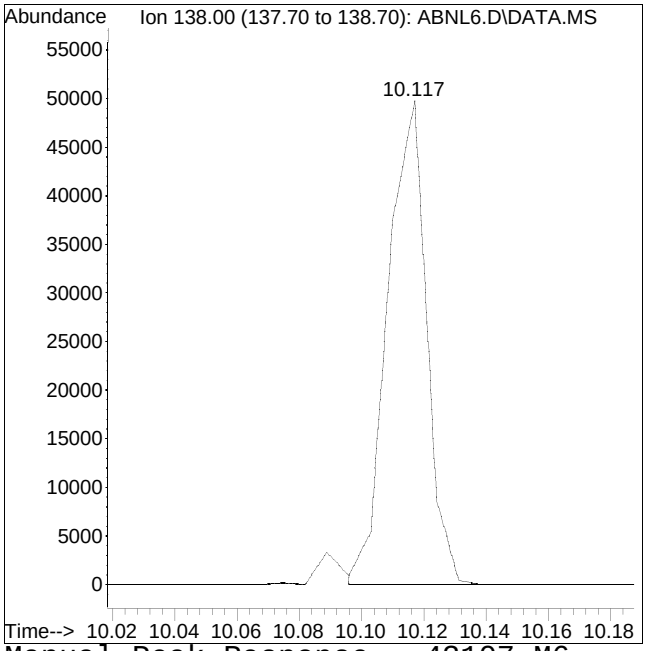
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #75: 4-Nitroaniline



Original Peak Response = 45016



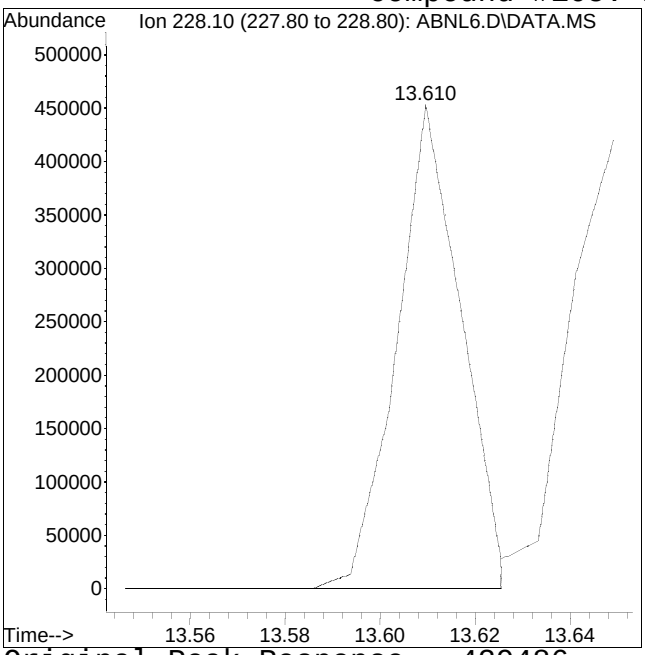
Manual Peak Response = 43107 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

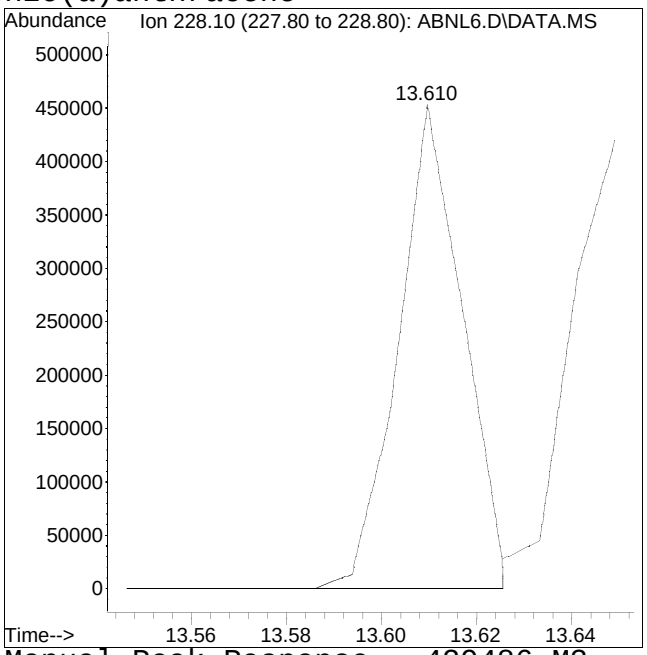
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #105: Benzo(a)anthracene



Original Peak Response = 429486



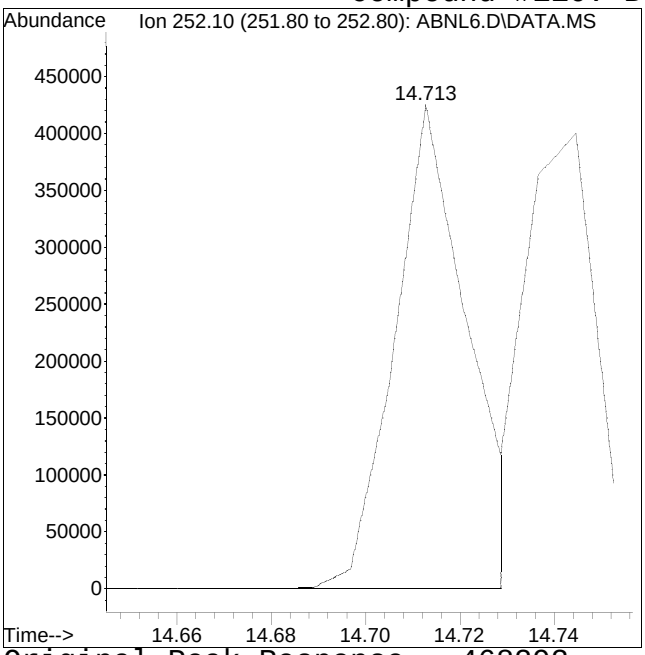
Manual Peak Response = 429486 M3

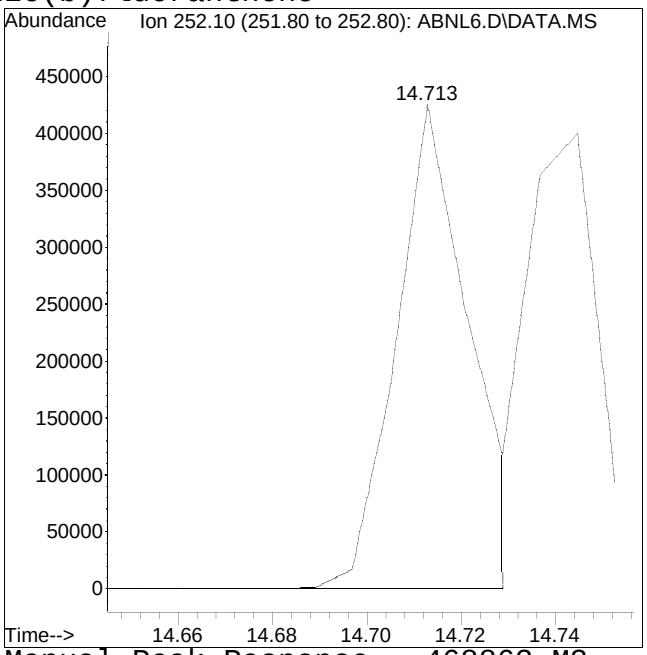
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #110: Benzo(b)fluoranthene





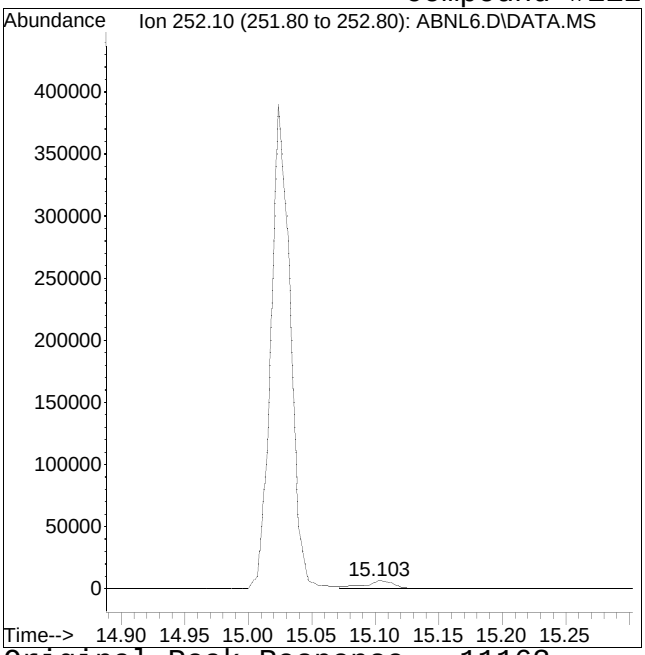
Original Peak Response = 468292 Manual Peak Response = 468863 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

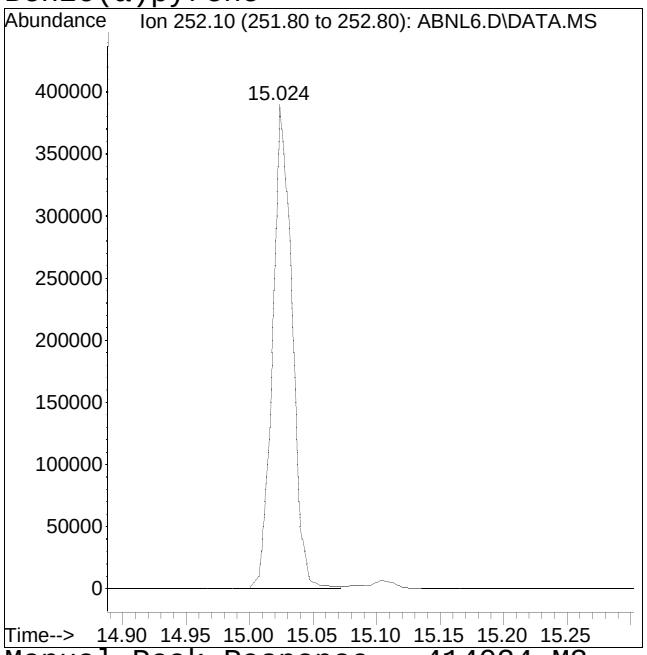
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #112: Benzo(a)pyrene



Original Peak Response = 11163



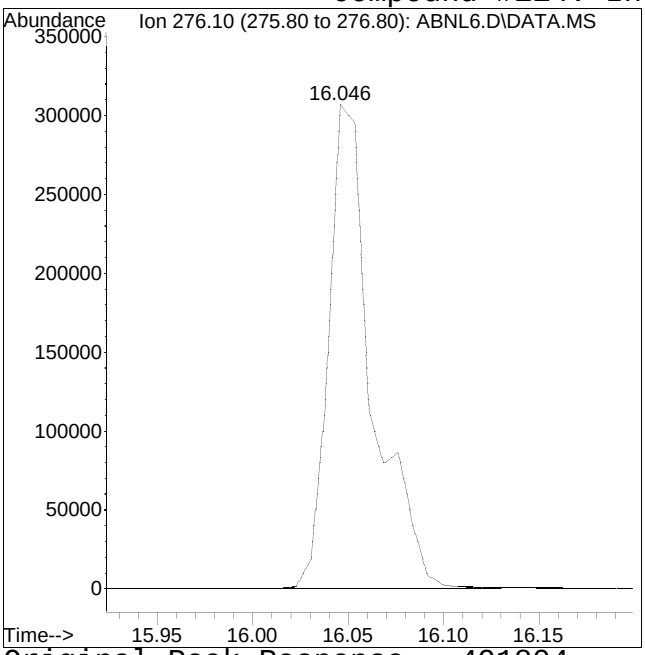
Manual Peak Response = 414024 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

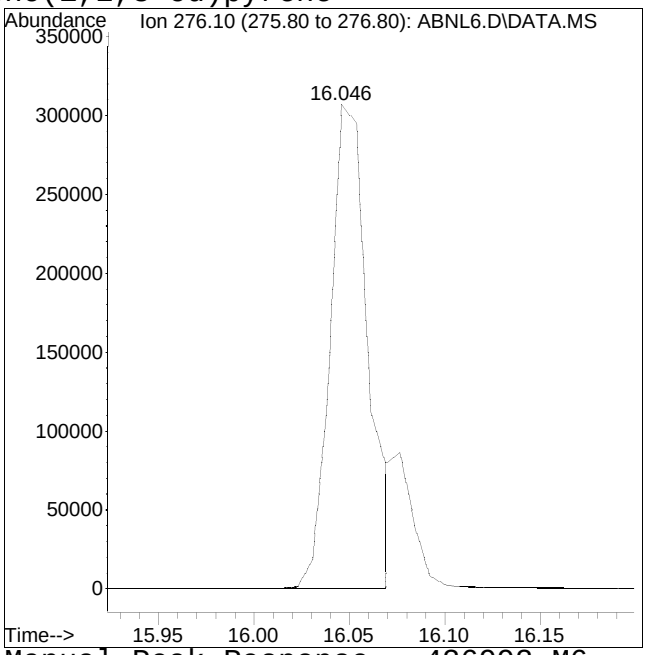
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL6.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 3/12/2025 6:11 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 491804



Manual Peak Response = 426992 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL5.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2039658,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 06:24:57 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	54229	4.000	ug/ml	0.00
Standard Area 1 = 55857			Recovery = 97.09%			
35) IS1_Naphthalene-d8	7.790	136	203265	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 99.26%			
63) IS1_Acenaphthene-d10	9.550	164	133372	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 100.61%			
88) IS1_Phenanthrene-d10	10.988	188	260949	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 100.15%			
104) IS1_Chrysene-d12	13.617	240	280704	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 99.78%			
113) IS1_Perylene-d12	15.079	264	309717	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 103.04%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.370	112	33936	2.011	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 100.55%			
7) Phenol-d6	5.977	99	41153	2.026	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 101.30%			
19) Nitrobenzene-d5	7.018	82	32658	1.772	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 177.20%#			
46) 2-Fluorobiphenyl	8.911	172	104660	2.225	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 222.50%#			
79) 2,4,6-Tribromophenol	10.321	330	14986	1.986	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 99.30%			
96) 4-Terphenyl-d14	12.576	244	151336	2.161	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 216.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.012	74	22406	2.174	ug/ml	85
3) Pyridine	2.069	79	40710	2.464	ug/ml#	77
5) Aniline	5.943	93	54539	2.271	ug/ml	99
6) 2-Chlorophenol	6.087	128	38996	2.107	ug/ml	93
8) Phenol	5.994	94	44989	2.135	ug/ml	100
9) Bis(2-chloroethyl)ether	6.079	93	35573	2.049	ug/ml#	75
10) 1,3-Dichlorobenzene	6.274	146	48056	2.124	ug/ml	95
11) 1,4-Dichlorobenzene	6.376	146	48093	2.087	ug/ml	98
12) 1,2-Dichlorobenzene	6.555	146	45717	2.069	ug/ml	97

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL5.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2039658,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 06:24:57 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	6.572	79	28486	1.982 ug/ml	98
14) Bis(2-chloroisopropyl)...	6.755	45	82914	3.037 ug/ml#	69
15) 2-Methylphenol	6.740	108	41118	2.700 ug/ml	94
16) Hexachloroethane	6.942	117	17003	2.043 ug/ml#	53
17) n-Nitrosodi-n-propylamine	6.897	70	26287	2.062 ug/ml	93
18) 3-Methylphenol/4-Methy...	6.927	108	34182	2.058 ug/ml	96
20) Nitrobenzene	7.040	77	34979	1.858 ug/ml	99
21) Isophorone	7.325	82	71270	2.176 ug/ml	98
22) 2-Nitrophenol	7.401	139	15502	1.605 ug/ml	90
23) 2,4-Dimethylphenol	7.506	107	37138	2.449 ug/ml	97
24) Bis(2-chloroethoxy)met...	7.596	93	50567	2.311 ug/ml	97
25) 2,4-Dichlorophenol	7.660	162	34508	2.036 ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.739	180	43201	2.199 ug/ml	97
36) Naphthalene	7.811	128	120689	2.103 ug/ml	99
37) Benzoic Acid	7.573	105	17661	2.478 ug/ml	95
38) 4-Chloroaniline	7.898	65	15152	2.354 ug/ml	83
39) Hexachlorobutadiene	7.977	225	27695	2.283 ug/ml	99
40) p-Chloro-m-cresol	8.424	107	35352	2.348 ug/ml#	93
41) 2-Methylnaphthalene	8.529	142	72566	1.898 ug/ml	95
42) 1-Methylnaphthalene	8.626	115	27325	2.209 ug/ml	97
43) Hexachlorocyclopentadiene	8.708	237	33270	2.500 ug/ml	96
44) 2,4,6-Trichlorophenol	8.828	196	27812	1.989 ug/ml	97
45) 2,4,5-Trichlorophenol	8.858	196	30025	2.074 ug/ml	95
47) 2-Chloronaphthalene	9.008	162	86205	2.162 ug/ml	96
48) 2-Nitroaniline	9.120	138	18328	1.615 ug/ml	87
49) 1,4-Dinitrobenzene	9.266	168	1483M3	0.256 ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	9721	1.530 ug/ml#	1
51) Dimethyl phthalate	9.329	163	105665	2.274 ug/ml#	99
52) Acenaphthylene	9.403	152	136941	2.304 ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	17390	1.840 ug/ml#	80
54) 1,2-Dinitrobenzene	9.413	168	7564	1.847 ug/ml#	1
64) 3-Nitroaniline	9.519	138	18077	1.678 ug/ml#	97
65) Acenaphthene	9.582	154	76613	1.986 ug/ml	90
66) 2,4-Dinitrophenol	9.624	184	7926	2.126 ug/ml#	86
67) Dibenzofuran	9.751	168	129001	2.067 ug/ml	90
68) 2,4-Dinitrotoluene	9.761	165	22693	1.624 ug/ml	88
69) 4-Nitrophenol	9.719	65	13363	1.678 ug/ml#	28
70) 2,3,5,6-Tetrachlorophenol	9.842	232	25263	1.941 ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL5.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2039658,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 06:24:57 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	25211	1.962	ug/ml	98
72)	Diethyl phthalate	10.025	149	98339	1.943	ug/ml	98
73)	Fluorene	10.089	166	99246	2.036	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.110	204	51695	2.066	ug/ml#	86
75)	4-Nitroaniline	10.117	138	17744M6	1.619	ug/ml	
76)	4,6-Dinitro-o-cresol	10.152	198	11231	1.449	ug/ml#	67
77)	NDPA/DPA	10.223	169	88040	2.093	ug/ml	96
78)	Azobenzene	10.258	77	82516	2.008	ug/ml#	90
80)	4-Bromophenyl phenyl e...	10.579	248	32307	2.085	ug/ml#	82
81)	Hexachlorobenzene	10.624	284	37541	2.139	ug/ml#	82
82)	Pentachlorophenol	10.821	266	18957	1.785	ug/ml	96
89)	Phenanthrene	11.010	178	160421	2.095	ug/ml	99
90)	Anthracene	11.063	178	158572	2.077	ug/ml	100
91)	Carbazole	11.230	167	147157	2.141	ug/ml	99
92)	Di-n-butylphthalate	11.624	149	151870	1.765	ug/ml	99
93)	Fluoranthene	12.163	202	187807	2.127	ug/ml#	93
94)	Benzidine	12.323	184	100635	1.988	ug/ml#	94
95)	Pyrene	12.379	202	201578	2.164	ug/ml	98
97)	Butyl benzyl phthalate	13.101	149	56544	1.563	ug/ml	90
105)	Benzo(a)anthracene	13.609	228	195265	2.017	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.617	252	70893	2.230	ug/ml#	96
107)	Chrysene	13.649	228	195499	2.105	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.744	149	94980	1.635	ug/ml	93
109)	Di-n-octylphthalate	14.418	149	140176	1.455	ug/ml#	77
110)	Benzo(b)fluoranthene	14.713	252	220313	2.359	ug/ml#	94
111)	Benzo(k)fluoranthene	14.737	252	183823	2.113	ug/ml#	92
112)	Benzo(a)pyrene	15.024	252	186852M3	2.305	ug/ml	
114)	Indeno(1,2,3-cd)pyrene	16.046	276	189081M6	2.014	ug/mL	
115)	Dibenzo(a,h)anthracene	16.076	278	185569	2.078	ug/ml#	89
116)	Benzo(ghi)perylene	16.291	276	179906	2.152	ug/ml#	86

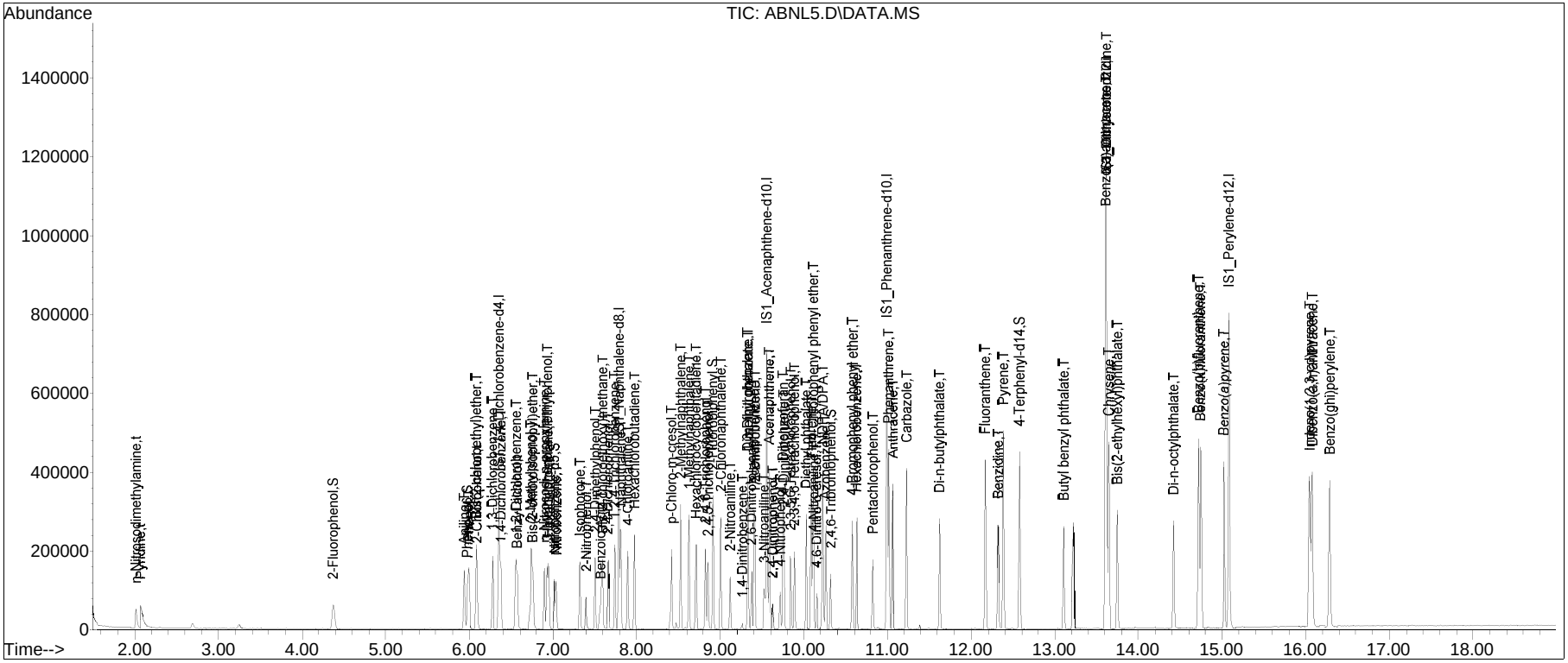
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL5.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:ljg
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2039658,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 12 06:24:57 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

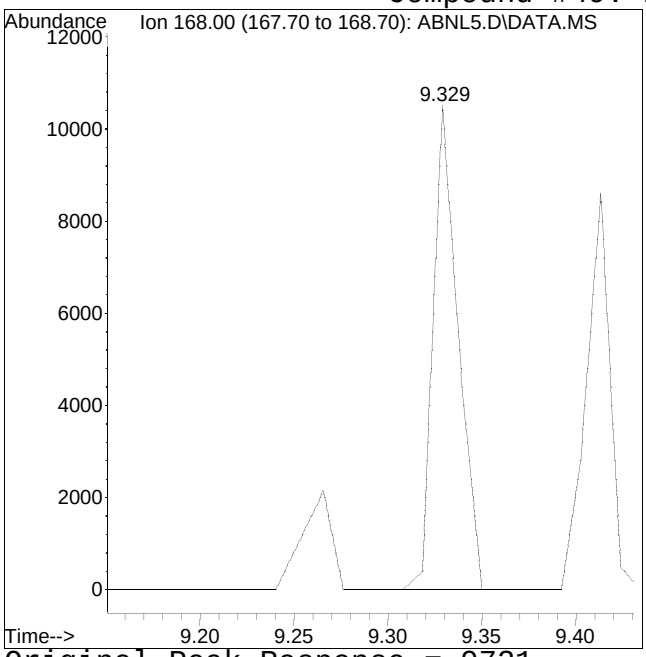
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

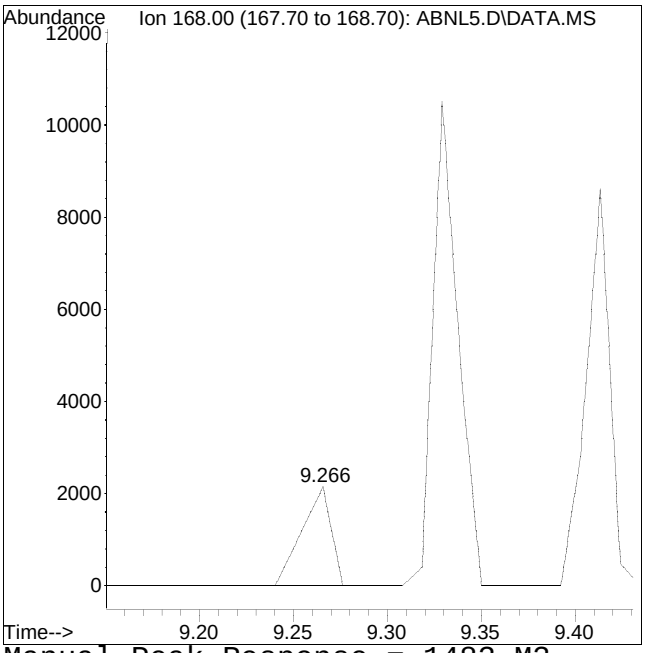


Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL5.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:24 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11429Quant Date : 3/12/2025 6:14 am

Compound #49: 1,4-Dinitrobenzene





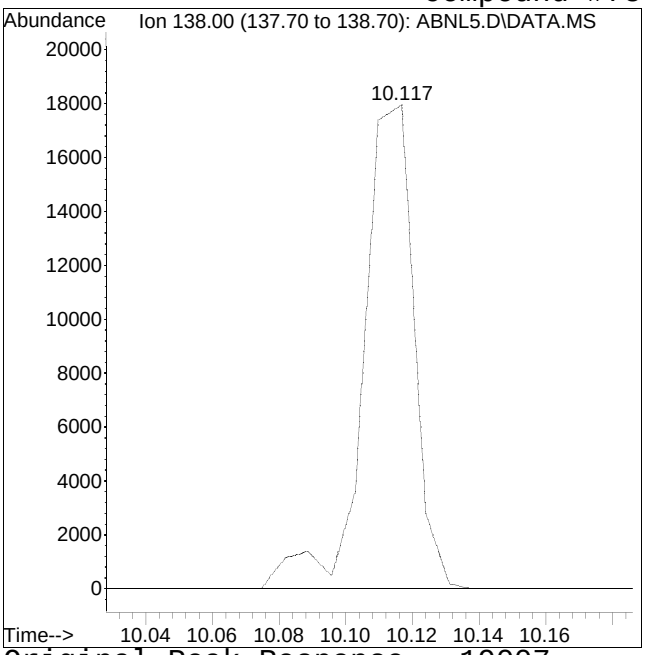
Original Peak Response = 9721 Manual Peak Response = 1483 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

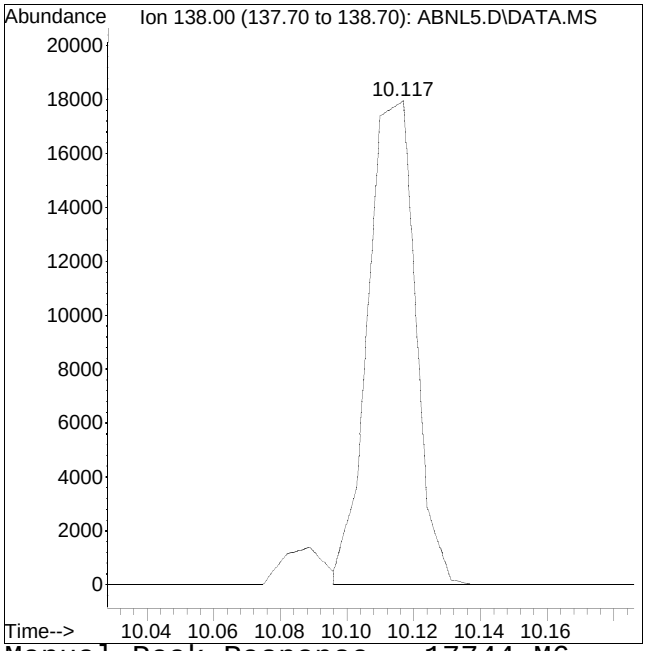
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL5.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:24 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11429Quant Date : 3/12/2025 6:14 am

Compound #75: 4-Nitroaniline



Original Peak Response = 19007



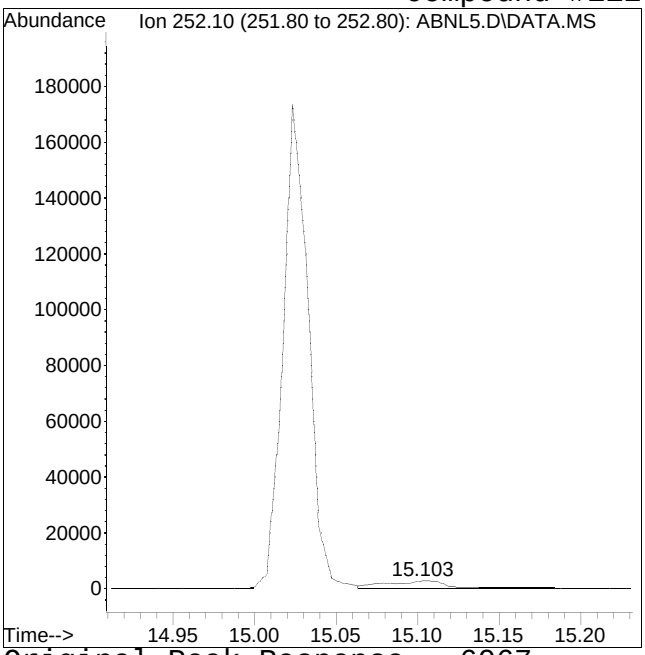
Manual Peak Response = 17744 M6

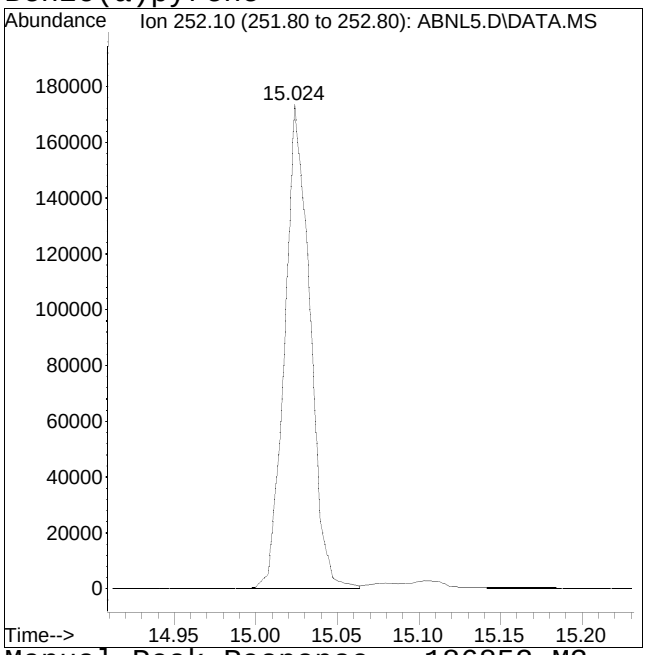
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL5.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:24 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11429Quant Date : 3/12/2025 6:14 am

Compound #112: Benzo(a)pyrene





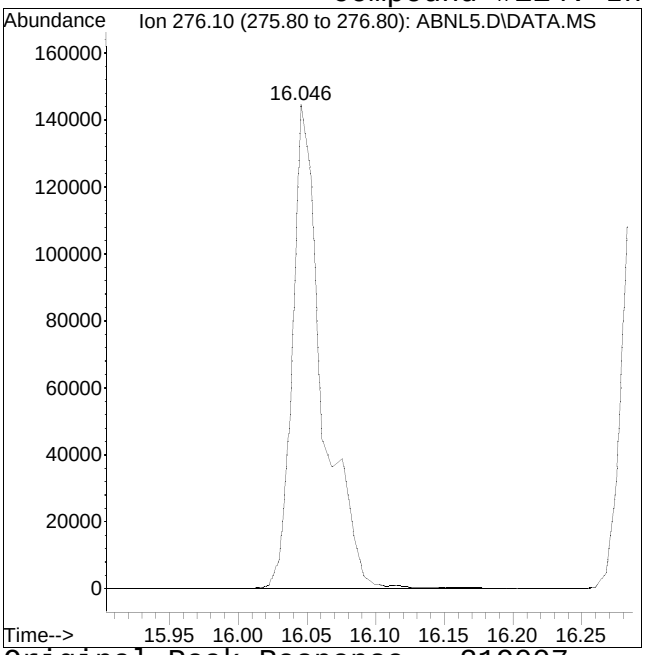
Original Peak Response = 6067 Manual Peak Response = 186852 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

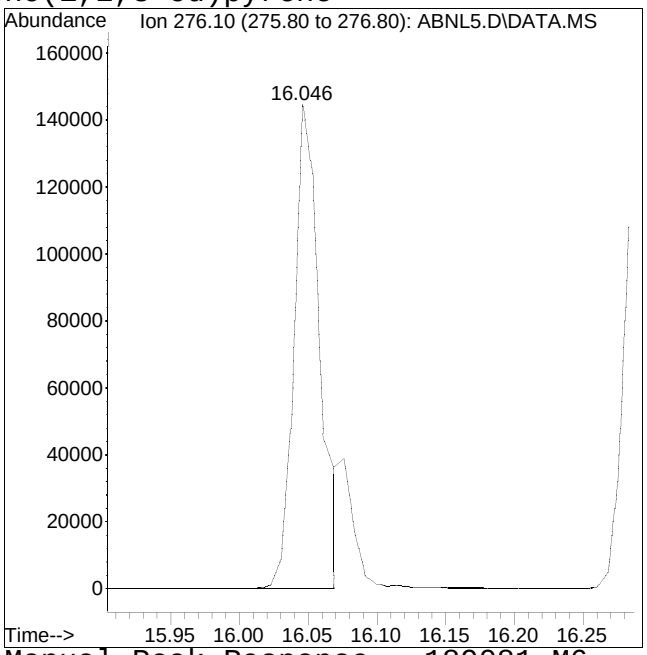
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL5.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:24 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11429Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 219007



Manual Peak Response = 189081 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL4.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2039658,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 06:23:42 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	53475	4.000	ug/ml	0.00
Standard Area 1 = 55857			Recovery = 95.74%			
35) IS1_Naphthalene-d8	7.790	136	202823	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 99.04%			
63) IS1_Acenaphthene-d10	9.550	164	124543	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 93.95%			
88) IS1_Phenanthrene-d10	10.988	188	254743	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 97.77%			
104) IS1_Chrysene-d12	13.617	240	267399	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 95.05%			
113) IS1_Perylene-d12	15.079	264	292766	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 97.40%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.370	112	14756	0.887	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.35%			
7) Phenol-d6	5.977	99	18449	0.921	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 46.05%			
19) Nitrobenzene-d5	7.017	82	14814	0.815	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 81.50%			
46) 2-Fluorobiphenyl	8.911	172	46826	0.998	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 99.80%			
79) 2,4,6-Tribromophenol	10.321	330	6282	0.892	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 44.60%			
96) 4-Terphenyl-d14	12.576	244	65331	0.956	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 95.60%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.012	74	9644	0.949	ug/ml#	90
3) Pyridine	2.091	79	16528	1.014	ug/ml	82
5) Aniline	5.943	93	24546	1.037	ug/ml	99
6) 2-Chlorophenol	6.087	128	16985	0.931	ug/ml	94
8) Phenol	5.994	94	19653	0.946	ug/ml	97
9) Bis(2-chloroethyl)ether	6.079	93	16744	0.978	ug/ml#	82
10) 1,3-Dichlorobenzene	6.274	146	21232	0.952	ug/ml	95
11) 1,4-Dichlorobenzene	6.368	146	21379	0.941	ug/ml	97
12) 1,2-Dichlorobenzene	6.555	146	20459	0.939	ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL4.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2039658,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 06:23:42 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	6.572	79	11725	0.827 ug/ml	93
14) Bis(2-chloroisopropyl)...	6.755	45	36440	1.354 ug/ml#	67
15) 2-Methylphenol	6.739	108	17728	1.181 ug/ml	88
16) Hexachloroethane	6.942	117	7600	0.926 ug/ml#	53
17) n-Nitrosodi-n-propylamine	6.897	70	11344	0.903 ug/ml	94
18) 3-Methylphenol/4-Methy...	6.927	108	15394	0.940 ug/ml	98
20) Nitrobenzene	7.040	77	14549	0.784 ug/ml	99
21) Isophorone	7.325	82	30792	0.953 ug/ml	97
22) 2-Nitrophenol	7.401	139	6426	0.675 ug/ml	90
23) 2,4-Dimethylphenol	7.498	107	15643	1.046 ug/ml	93
24) Bis(2-chloroethoxy)met...	7.595	93	22029	1.021 ug/ml	99
25) 2,4-Dichlorophenol	7.660	162	15426	0.923 ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.739	180	19839	1.024 ug/ml	98
36) Naphthalene	7.804	128	55505	0.969 ug/ml	99
37) Benzoic Acid	7.558	105	7191	1.777 ug/ml	95
38) 4-Chloroaniline	7.898	65	6758	1.052 ug/ml	85
39) Hexachlorobutadiene	7.977	225	12349	1.020 ug/ml	99
40) p-Chloro-m-cresol	8.424	107	16047	1.068 ug/ml	92
41) 2-Methylnaphthalene	8.529	142	32602	0.854 ug/ml	96
42) 1-Methylnaphthalene	8.626	115	12062	0.977 ug/ml	93
43) Hexachlorocyclopentadiene	8.708	237	14665	1.104 ug/ml	98
44) 2,4,6-Trichlorophenol	8.828	196	11944	0.856 ug/ml	97
45) 2,4,5-Trichlorophenol	8.858	196	11912	0.825 ug/ml	98
47) 2-Chloronaphthalene	9.008	162	37989	0.955 ug/ml	97
48) 2-Nitroaniline	9.120	138	7378	0.652 ug/ml	91
49) 1,4-Dinitrobenzene	9.266	168	695M3	0.120 ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	3721	0.587 ug/ml#	1
51) Dimethyl phthalate	9.329	163	45710	0.986 ug/ml#	99
52) Acenaphthylene	9.403	152	58813	0.992 ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	7288	0.773 ug/ml#	75
54) 1,2-Dinitrobenzene	9.413	168	2647	0.648 ug/ml#	1
64) 3-Nitroaniline	9.519	138	7075	0.703 ug/ml#	87
65) Acenaphthene	9.582	154	34236	0.950 ug/ml	90
66) 2,4-Dinitrophenol	9.624	184	3071	1.581 ug/ml	91
67) Dibenzofuran	9.751	168	59661	1.024 ug/ml	93
68) 2,4-Dinitrotoluene	9.761	165	8903	0.682 ug/ml	89
69) 4-Nitrophenol	9.719	65	5559	0.747 ug/ml#	34
70) 2,3,5,6-Tetrachlorophenol	9.849	232	10386	0.854 ug/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL4.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2039658,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 06:23:42 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	10391	0.866	ug/ml	97
72)	Diethyl phthalate	10.025	149	42533	0.900	ug/ml	98
73)	Fluorene	10.089	166	44259	0.972	ug/ml	94
74)	4-Chlorophenyl phenyl ...	10.110	204	23260	0.996	ug/ml#	87
75)	4-Nitroaniline	10.110	138	7418	0.725	ug/ml	89
76)	4,6-Dinitro-o-cresol	10.152	198	4129	0.778	ug/ml#	74
77)	NDPA/DPA	10.223	169	37114	0.945	ug/ml	94
78)	Azobenzene	10.258	77	35766	0.932	ug/ml#	90
80)	4-Bromophenyl phenyl e...	10.579	248	14376	0.993	ug/ml#	82
81)	Hexachlorobenzene	10.624	284	16882	1.030	ug/ml#	82
82)	Pentachlorophenol	10.821	266	7387	0.745	ug/ml	95
89)	Phenanthrene	11.010	178	71956	0.963	ug/ml	99
90)	Anthracene	11.063	178	68990	0.926	ug/ml	100
91)	Carbazole	11.230	167	63223	0.942	ug/ml	97
92)	Di-n-butylphthalate	11.624	149	62160	0.740	ug/ml	99
93)	Fluoranthene	12.163	202	80262	0.931	ug/ml#	93
94)	Benzidine	12.322	184	36898	0.747	ug/ml#	94
95)	Pyrene	12.379	202	86985	0.957	ug/ml	99
97)	Butyl benzyl phthalate	13.101	149	21312	0.603	ug/ml	90
105)	Benzo(a)anthracene	13.609	228	81287	0.882	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.609	252	27345	0.903	ug/ml#	96
107)	Chrysene	13.641	228	84840	0.959	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.744	149	33606	0.607	ug/ml	96
109)	Di-n-octylphthalate	14.418	149	50346	0.548	ug/ml#	80
110)	Benzo(b)fluoranthene	14.713	252	96705	1.087	ug/ml#	88
111)	Benzo(k)fluoranthene	14.737	252	73904	0.892	ug/ml#	89
112)	Benzo(a)pyrene	15.024	252	76360	0.989	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.046	276	73157M6	0.824	ug/mL	
115)	Dibenzo(a,h)anthracene	16.069	278	78578	0.931	ug/ml#	88
116)	Benzo(ghi)perylene	16.283	276	78721	0.996	ug/ml#	85

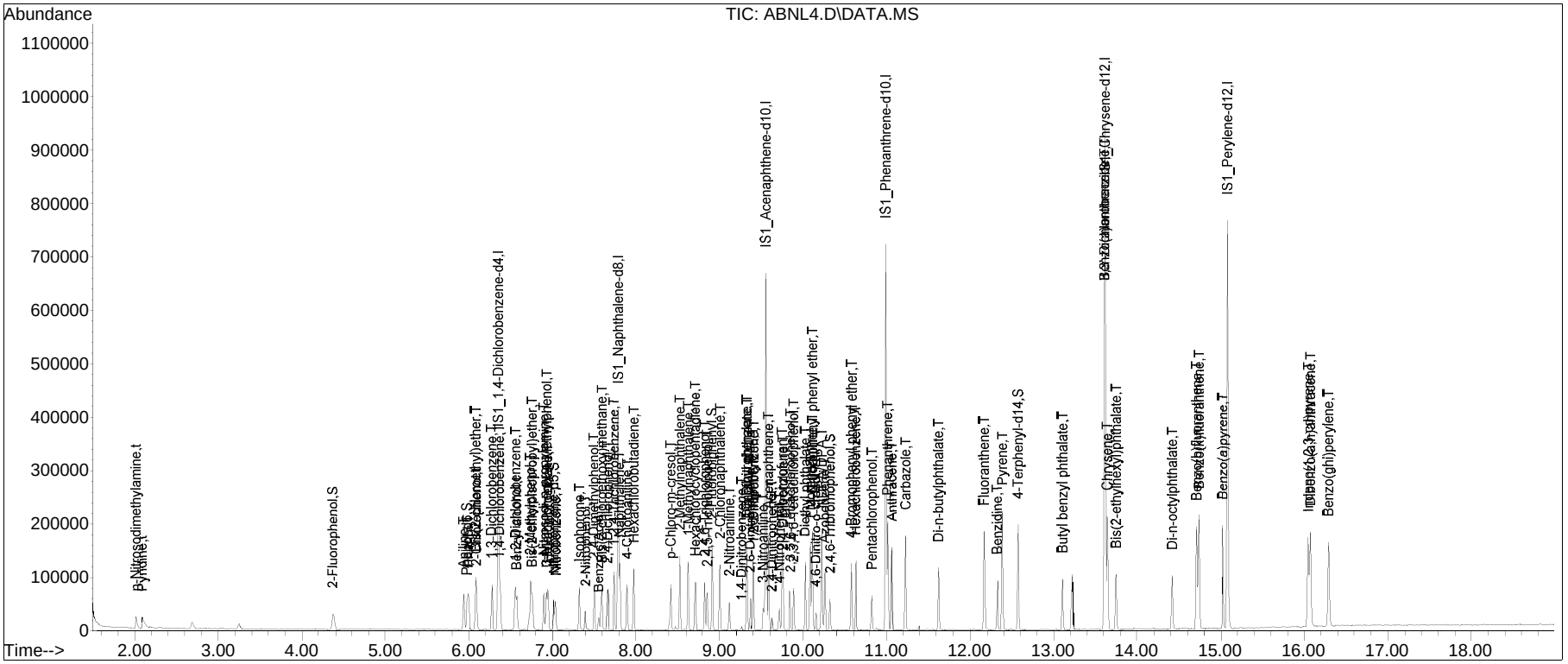
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL4.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:ljg
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2039658,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 12 06:23:42 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

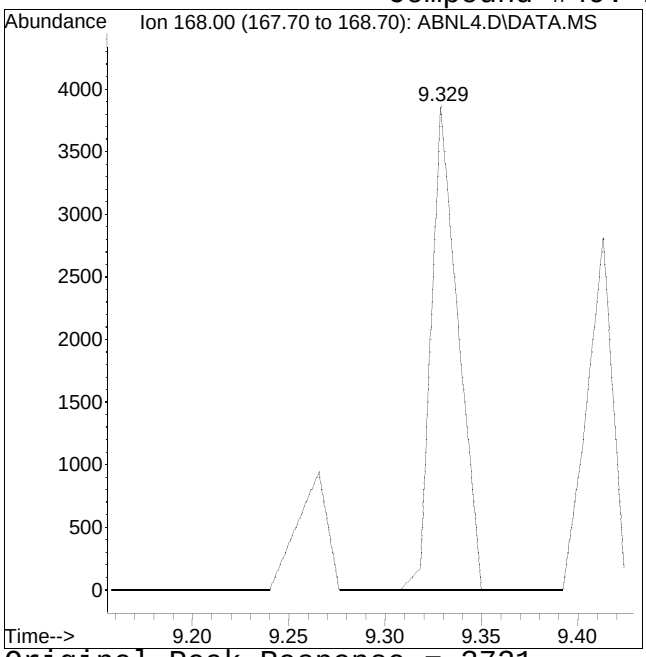
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

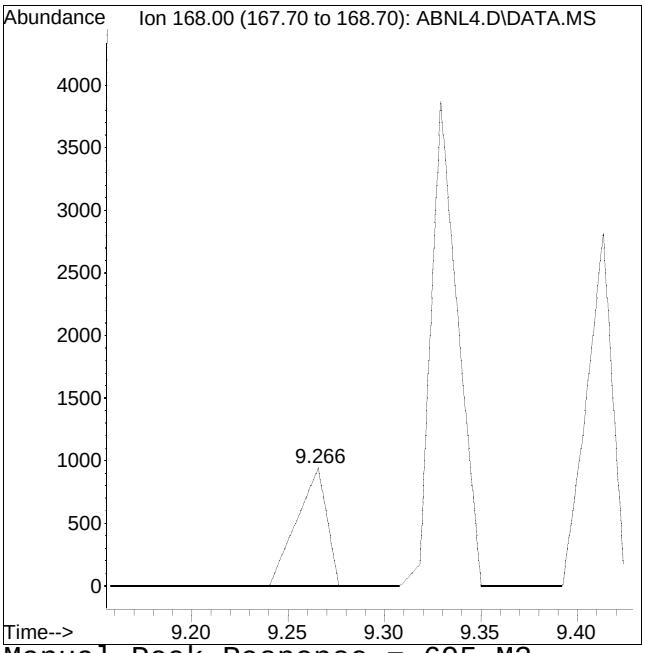


Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL4.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:48 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11430 Quant Date : 3/12/2025 6:14 am

Compound #49: 1,4-Dinitrobenzene





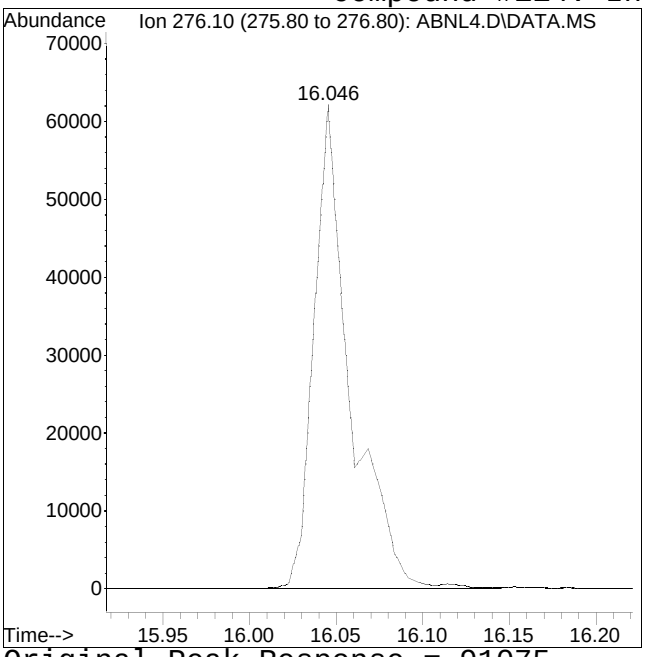
Original Peak Response = 3721 Manual Peak Response = 695 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

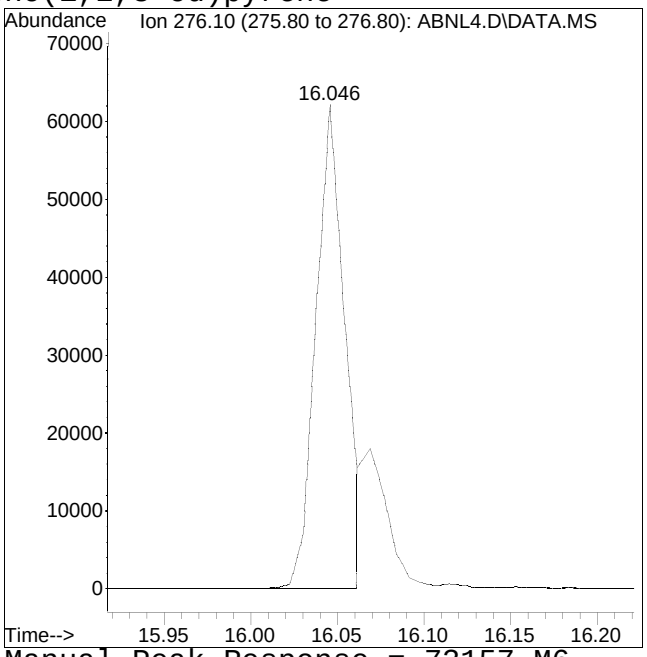
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL4.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 6:48 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11430 Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 91075



Manual Peak Response = 73157 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL3.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2039658,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 06:22:46 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	56768	4.000	ug/ml	0.00
Standard Area 1 = 55857			Recovery = 101.63%			
35) IS1_Naphthalene-d8	7.790	136	206416	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 100.80%			
63) IS1_Acenaphthene-d10	9.550	164	129170	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 97.44%			
88) IS1_Phenanthrene-d10	10.988	188	261176	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 100.23%			
104) IS1_Chrysene-d12	13.617	240	273347	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 97.17%			
113) IS1_Perylene-d12	15.079	264	292012	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 97.15%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.377	112	8605	0.487	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 24.35%			
7) Phenol-d6	5.985	99	10059	0.473	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.65%			
19) Nitrobenzene-d5	7.018	82	7977	0.414	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 41.40%			
46) 2-Fluorobiphenyl	8.911	172	26250	0.549	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 54.90%			
79) 2,4,6-Tribromophenol	10.321	330	3362	0.460	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 23.00%			
96) 4-Terphenyl-d14	12.576	244	36870	0.526	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 52.60%			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.026	74	5717	0.530	ug/ml#	91
3) Pyridine	2.112	79	10850M1	0.627	ug/ml	
5) Aniline	5.943	93	13620	0.542	ug/ml	97
6) 2-Chlorophenol	6.087	128	9341	0.482	ug/ml	94
8) Phenol	5.994	94	10999	0.499	ug/ml	99
9) Bis(2-chloroethyl)ether	6.079	93	9284	0.511	ug/ml#	78
10) 1,3-Dichlorobenzene	6.274	146	12313	0.520	ug/ml	97
11) 1,4-Dichlorobenzene	6.376	146	12376	0.513	ug/ml	99
12) 1,2-Dichlorobenzene	6.555	146	12396	0.536	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL3.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2039658,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 06:22:46 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	6.572	79	6554	0.436 ug/ml	97
14) Bis(2-chloroisopropyl)...	6.755	45	22270	0.779 ug/ml#	72
15) 2-Methylphenol	6.740	108	10300	0.646 ug/ml	91
16) Hexachloroethane	6.942	117	3941	0.452 ug/ml#	47
17) n-Nitrosodi-n-propylamine	6.897	70	6527	0.489 ug/ml#	85
18) 3-Methylphenol/4-Methy...	6.927	108	8045	0.463 ug/ml	94
20) Nitrobenzene	7.040	77	7841	0.398 ug/ml	97
21) Isophorone	7.325	82	17496	0.510 ug/ml	98
22) 2-Nitrophenol	7.401	139	3677	0.364 ug/ml	90
23) 2,4-Dimethylphenol	7.506	107	8665	0.546 ug/ml	97
24) Bis(2-chloroethoxy)met...	7.596	93	13281	0.580 ug/ml#	98
25) 2,4-Dichlorophenol	7.660	162	8010	0.452 ug/ml	90
26) 1,2,4-Trichlorobenzene	7.739	180	11248	0.547 ug/ml	95
36) Naphthalene	7.804	128	30818	0.529 ug/ml	99
37) Benzoic Acid	7.558	105	3715	1.539 ug/ml	97
38) 4-Chloroaniline	7.898	65	3476	0.532 ug/ml#	77
39) Hexachlorobutadiene	7.977	225	6885	0.559 ug/ml	98
40) p-Chloro-m-cresol	8.424	107	8955	0.586 ug/ml	96
41) 2-Methylnaphthalene	8.529	142	18288	0.471 ug/ml	98
42) 1-Methylnaphthalene	8.626	115	7282	0.580 ug/ml	92
43) Hexachlorocyclopentadiene	8.708	237	8140	0.602 ug/ml	94
44) 2,4,6-Trichlorophenol	8.828	196	6438	0.453 ug/ml	94
45) 2,4,5-Trichlorophenol	8.858	196	5999	0.408 ug/ml	98
47) 2-Chloronaphthalene	9.008	162	21654	0.535 ug/ml	95
48) 2-Nitroaniline	9.120	138	3851	0.334 ug/ml	92
49) 1,4-Dinitrobenzene	9.266	168	286M3	0.049 ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	2083	0.323 ug/ml#	1
51) Dimethyl phthalate	9.329	163	24657	0.522 ug/ml#	96
52) Acenaphthylene	9.403	152	32837	0.544 ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	3640	0.379 ug/ml#	78
54) 1,2-Dinitrobenzene	9.413	168	1331	0.320 ug/ml#	1
64) 3-Nitroaniline	9.519	138	3348	0.321 ug/ml#	64
65) Acenaphthene	9.582	154	18780	0.503 ug/ml	89
66) 2,4-Dinitrophenol	9.624	184	1538	1.381 ug/ml#	60
67) Dibenzofuran	9.751	168	33741	0.558 ug/ml	93
68) 2,4-Dinitrotoluene	9.761	165	4190	0.310 ug/ml#	74
69) 4-Nitrophenol	9.719	65	2869	0.372 ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	9.842	232	5851	0.464 ug/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL3.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2039658,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 06:22:46 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	5525	0.444	ug/ml	98
72)	Diethyl phthalate	10.025	149	23409	0.478	ug/ml	97
73)	Fluorene	10.089	166	24293	0.515	ug/ml	93
74)	4-Chlorophenyl phenyl ...	10.110	204	13304	0.549	ug/ml#	87
75)	4-Nitroaniline	10.110	138	3664	0.345	ug/ml	90
76)	4,6-Dinitro-o-cresol	10.152	198	2275	0.574	ug/ml#	74
77)	NDPA/DPA	10.223	169	20258	0.497	ug/ml	92
78)	Azobenzene	10.258	77	19388	0.487	ug/ml#	90
80)	4-Bromophenyl phenyl e...	10.579	248	8102	0.540	ug/ml#	80
81)	Hexachlorobenzene	10.624	284	10638	0.626	ug/ml#	78
82)	Pentachlorophenol	10.821	266	3967	0.386	ug/ml	95
89)	Phenanthrene	11.010	178	40108	0.523	ug/ml	99
90)	Anthracene	11.056	178	39771	0.520	ug/ml	99
91)	Carbazole	11.230	167	34443	0.501	ug/ml	97
92)	Di-n-butylphthalate	11.624	149	34005	0.395	ug/ml	99
93)	Fluoranthene	12.163	202	45315	0.513	ug/ml#	93
94)	Benzidine	12.323	184	16881	0.333	ug/ml#	93
95)	Pyrene	12.379	202	48506	0.520	ug/ml	99
97)	Butyl benzyl phthalate	13.101	149	11761	0.325	ug/ml	92
105)	Benzo(a)anthracene	13.610	228	46327	0.492	ug/ml	98
106)	3,3'-Dichlorobenzidine	13.610	252	13986	0.452	ug/ml	99
107)	Chrysene	13.641	228	50130	0.554	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.736	149	18181	0.321	ug/ml	95
109)	Di-n-octylphthalate	14.418	149	26903	0.287	ug/ml#	81
110)	Benzo(b)fluoranthene	14.713	252	45567	0.501	ug/ml#	94
111)	Benzo(k)fluoranthene	14.737	252	48838	0.576	ug/ml#	93
112)	Benzo(a)pyrene	15.024	252	41546	0.526	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.046	276	39000M6	0.441	ug/mL	
115)	Dibenzo(a,h)anthracene	16.069	278	40856	0.485	ug/ml#	89
116)	Benzo(ghi)perylene	16.283	276	40710	0.516	ug/ml#	85

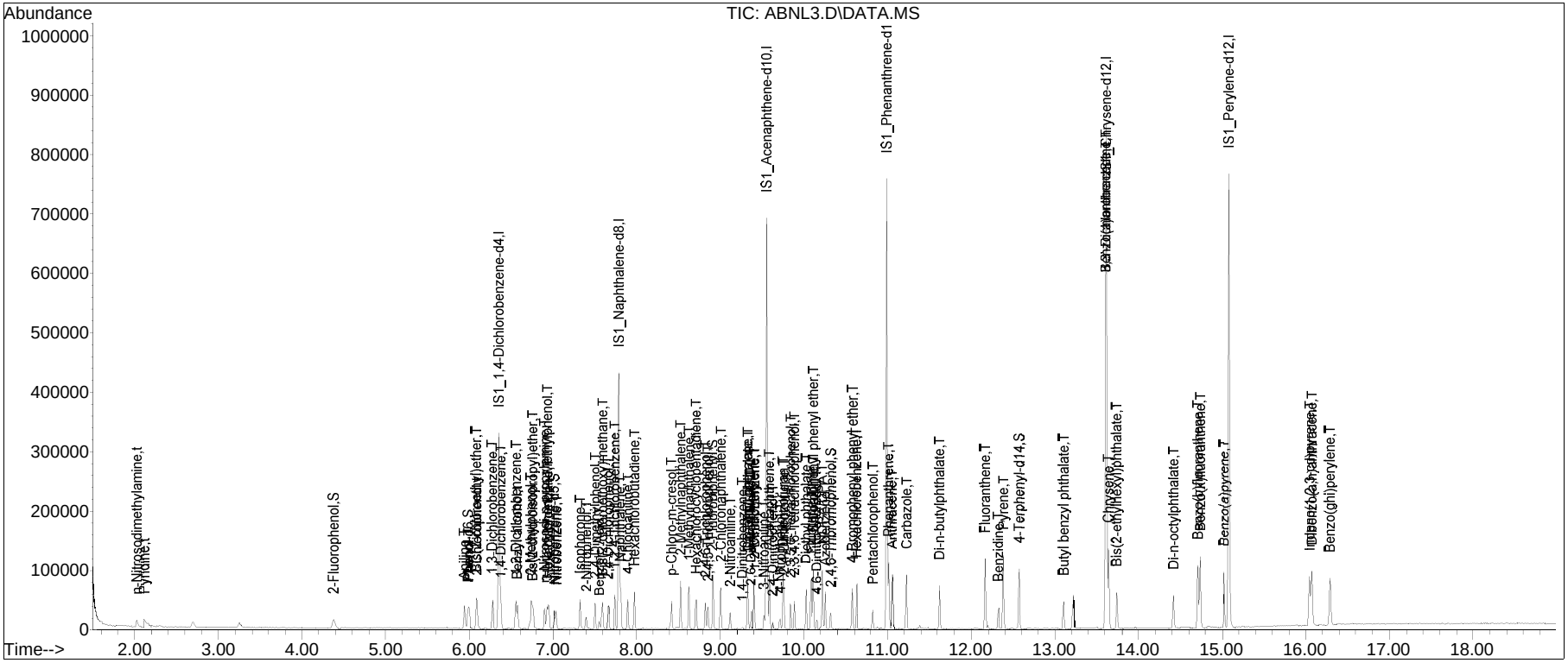
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL3.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:ljg
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2039658,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 12 06:22:46 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

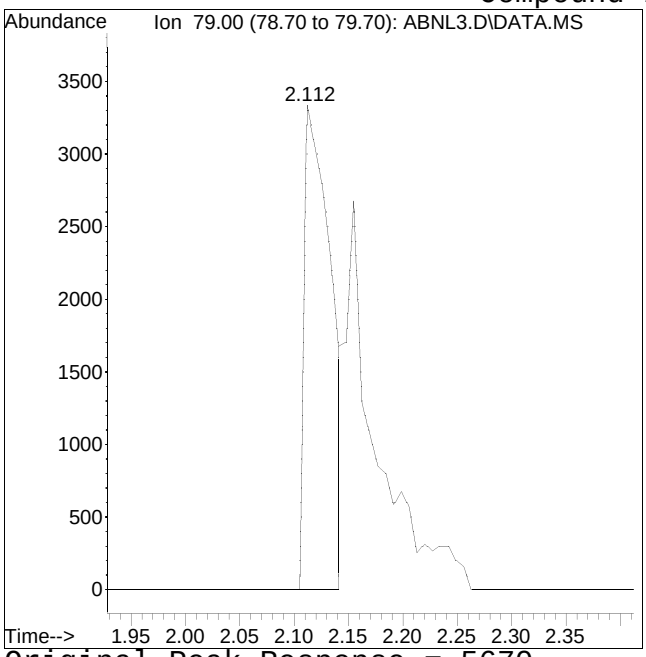
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•



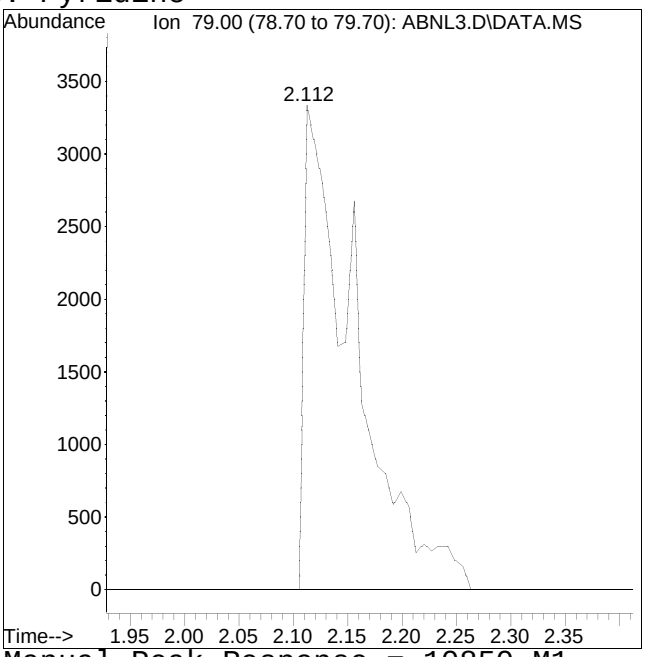
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQ
Data File : ABNL3.D
Date Inj'd : 3/11/2025 7:11 pm
Sample : IL8,32,,ABNL0.5 Lot# 11431
Method : FS250311SV106.m
Operator : SV106:ljg
Instrument : SV 106
Quant Date : 3/12/2025 6:14 am

Compound #3: Pyridine



Original Peak Response = 5670



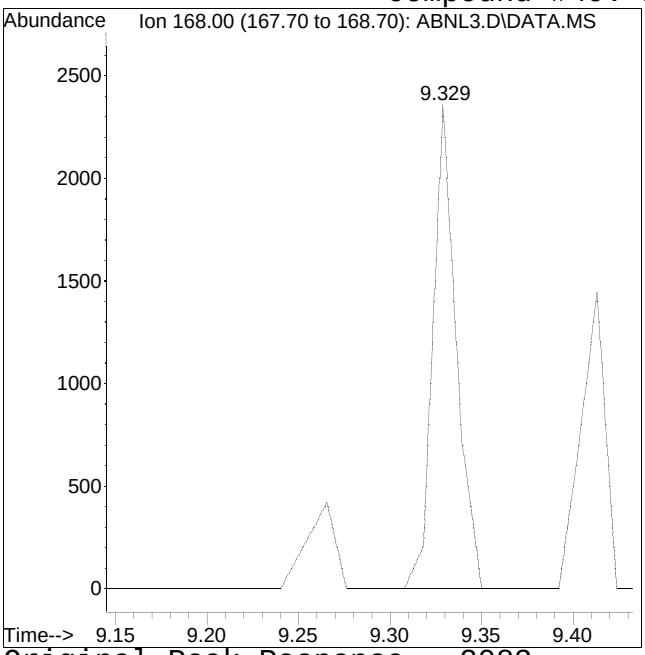
Manual Peak Response = 10850 M1

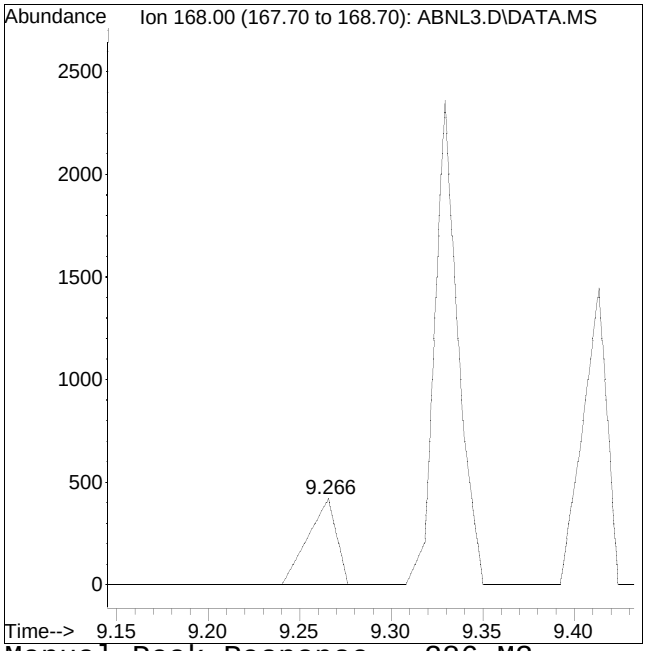
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL3.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:11 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11431Quant Date : 3/12/2025 6:14 am

Compound #49: 1,4-Dinitrobenzene





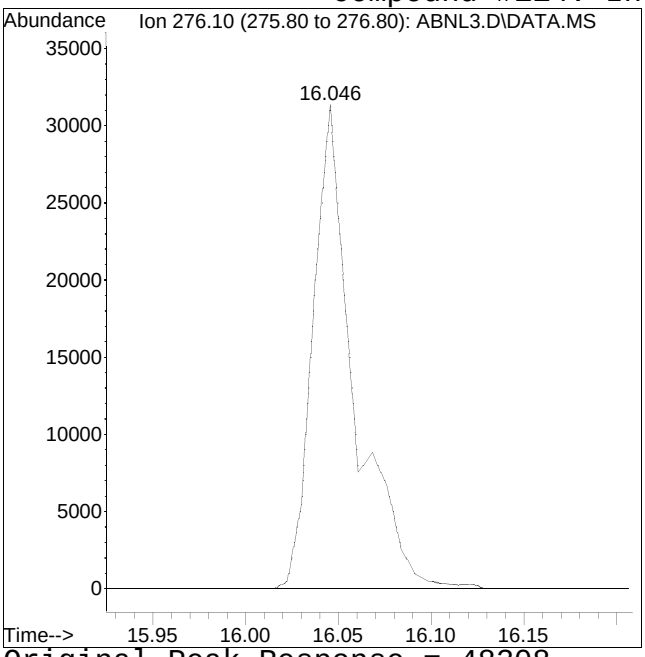
Original Peak Response = 2083 Manual Peak Response = 286 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

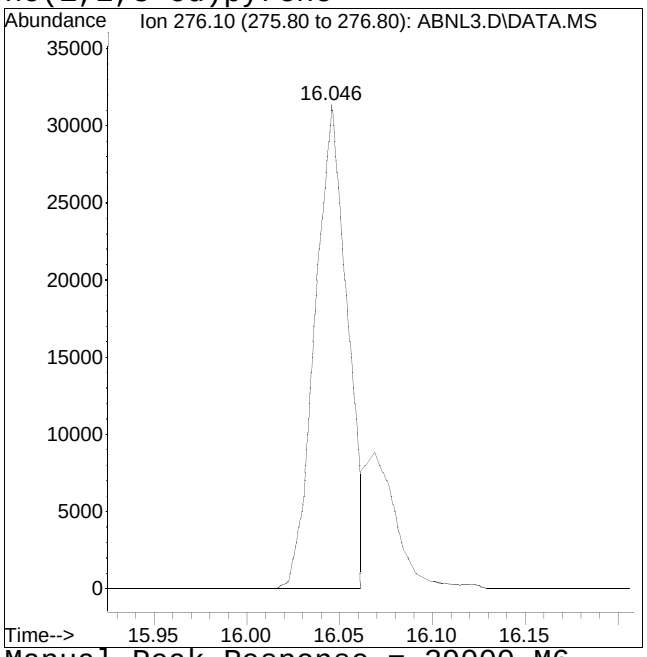
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL3.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:11 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11431Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 48308



Manual Peak Response = 39000 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL2.D
Acq On : 11 Mar 2025 7:34 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2039658,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 12 06:21:39 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	53891	4.000	ug/ml	0.00
Standard Area 1 = 55857			Recovery = 96.48%			
35) IS1_Naphthalene-d8	7.790	136	195073	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 95.26%			
63) IS1_Acenaphthene-d10	9.551	164	120815	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 91.14%			
88) IS1_Phenanthrene-d10	10.988	188	241512	4.000	ug/ml	0.00
Standard Area 1 = 260564			Recovery = 92.69%			
104) IS1_Chrysene-d12	13.618	240	246822	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 87.74%			
113) IS1_Perylene-d12	15.080	264	268265	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 89.25%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.377	112	2881	0.172	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 8.60%#			
7) Phenol-d6	5.977	99	3219	0.160	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 8.00%#			
19) Nitrobenzene-d5	7.018	82	2618	0.143	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 14.30%#			
46) 2-Fluorobiphenyl	8.911	172	8991	0.199	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.90%#			
79) 2,4,6-Tribromophenol	10.322	330	991	0.145	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 7.25%#			
96) 4-Terphenyl-d14	12.576	244	12609	0.195	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 19.50%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.026	74	1723	0.168	ug/ml#	88
3) Pyridine	2.141	79	2944	0.179	ug/ml	98
5) Aniline	5.943	93	3970	0.166	ug/ml	96
6) 2-Chlorophenol	6.088	128	3052	0.166	ug/ml	92
8) Phenol	5.994	94	3640	0.174	ug/ml	91
9) Bis(2-chloroethyl)ether	6.079	93	2916	0.169	ug/ml#	75
10) 1,3-Dichlorobenzene	6.274	146	3922	0.174	ug/ml	93
11) 1,4-Dichlorobenzene	6.368	146	4232M3	0.185	ug/ml	
12) 1,2-Dichlorobenzene	6.555	146	4309	0.196	ug/ml	92

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL2.D
Acq On : 11 Mar 2025 7:34 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2039658,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 12 06:21:39 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	6.572	79	2115	0.148 ug/ml	98
14) Bis(2-chloroisopropyl)...	6.755	45	7357	0.271 ug/ml#	74
15) 2-Methylphenol	6.740	108	3260	0.215 ug/ml#	89
16) Hexachloroethane	6.942	117	1462	0.177 ug/ml#	59
17) n-Nitrosodi-n-propylamine	6.905	70	2061	0.163 ug/ml#	59
18) 3-Methylphenol/4-Methy...	6.927	108	2734	0.166 ug/ml#	97
20) Nitrobenzene	7.040	77	2740	0.146 ug/ml#	84
21) Isophorone	7.326	82	5492	0.169 ug/ml#	93
22) 2-Nitrophenol	7.401	139	1078	0.112 ug/ml#	81
23) 2,4-Dimethylphenol	7.498	107	2852	0.189 ug/ml	91
24) Bis(2-chloroethoxy)met...	7.596	93	4429	0.204 ug/ml#	87
25) 2,4-Dichlorophenol	7.660	162	2842	0.169 ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.740	180	4103	0.210 ug/ml	93
36) Naphthalene	7.804	128	10315	0.187 ug/ml	98
37) Benzoic Acid	7.558	105	996	1.364 ug/ml#	49
38) 4-Chloroaniline	7.898	65	1298	0.210 ug/ml#	85
39) Hexachlorobutadiene	7.977	225	2316	0.199 ug/ml	90
40) p-Chloro-m-cresol	8.424	107	3265	0.226 ug/ml	93
41) 2-Methylnaphthalene	8.529	142	5962	0.162 ug/ml	91
42) 1-Methylnaphthalene	8.619	115	2560	0.216 ug/ml	88
43) Hexachlorocyclopentadiene	8.709	237	2688	0.210 ug/ml#	94
44) 2,4,6-Trichlorophenol	8.828	196	2186	0.163 ug/ml	99
45) 2,4,5-Trichlorophenol	8.858	196	2087	0.150 ug/ml	95
47) 2-Chloronaphthalene	9.008	162	7024	0.184 ug/ml	95
48) 2-Nitroaniline	9.121	138	1349	0.124 ug/ml	88
49) 1,4-Dinitrobenzene	9.266	168	137M3	0.025 ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	645	0.106 ug/ml#	1
51) Dimethyl phthalate	9.329	163	8707	0.195 ug/ml#	94
52) Acenaphthylene	9.403	152	11483	0.201 ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	1069	0.118 ug/ml#	84
54) 1,2-Dinitrobenzene	9.414	168	452M3	0.115 ug/ml	
64) 3-Nitroaniline	9.519	138	1116	0.114 ug/ml#	8
65) Acenaphthene	9.582	154	7199	0.206 ug/ml	97
66) 2,4-Dinitrophenol	9.624	184	453M2	1.253 ug/ml	
67) Dibenzofuran	9.751	168	11345	0.201 ug/ml	95
68) 2,4-Dinitrotoluene	9.761	165	1526	0.121 ug/ml	91
69) 4-Nitrophenol	9.719	65	802	0.111 ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	9.842	232	1709	0.145 ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL2.D
Acq On : 11 Mar 2025 7:34 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2039658,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 12 06:21:39 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	1630	0.140	ug/ml	91
72)	Diethyl phthalate	10.025	149	8034	0.175	ug/ml	98
73)	Fluorene	10.082	166	8807	0.199	ug/ml	99
74)	4-Chlorophenyl phenyl ...	10.110	204	4689	0.207	ug/ml#	84
75)	4-Nitroaniline	10.110	138	1132	0.114	ug/ml	96
76)	4,6-Dinitro-o-cresol	10.152	198	708	0.419	ug/ml#	1
77)	NDPA/DPA	10.223	169	6818	0.179	ug/ml	92
78)	Azobenzene	10.258	77	6249	0.168	ug/ml#	86
80)	4-Bromophenyl phenyl e...	10.579	248	2810	0.200	ug/ml#	77
81)	Hexachlorobenzene	10.624	284	3625	0.228	ug/ml#	78
82)	Pentachlorophenol	10.821	266	1195	0.124	ug/ml	96
89)	Phenanthrene	11.011	178	14503	0.205	ug/ml	98
90)	Anthracene	11.056	178	13619	0.193	ug/ml	100
91)	Carbazole	11.230	167	11418	0.179	ug/ml	96
92)	Di-n-butylphthalate	11.624	149	10617	0.133	ug/ml#	92
93)	Fluoranthene	12.163	202	15327	0.188	ug/ml#	93
94)	Benzidine	12.323	184	2662	0.057	ug/ml#	68
95)	Pyrene	12.379	202	15850	0.184	ug/ml	99
97)	Butyl benzyl phthalate	13.101	149	3705	0.111	ug/ml	89
105)	Benzo(a)anthracene	13.610	228	15401	0.181	ug/ml	97
106)	3,3'-Dichlorobenzidine	13.610	252	4031	0.144	ug/ml#	94
107)	Chrysene	13.641	228	16544	0.203	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	13.736	149	5363	0.105	ug/ml#	98
109)	Di-n-octylphthalate	14.418	149	8598	0.101	ug/ml#	93
110)	Benzo(b)fluoranthene	14.713	252	14819	0.180	ug/ml	99
111)	Benzo(k)fluoranthene	14.737	252	15180M3	0.198	ug/ml	
112)	Benzo(a)pyrene	15.024	252	13140	0.184	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	16.046	276	13369M6	0.164	ug/mL	
115)	Dibenzo(a,h)anthracene	16.069	278	12895	0.167	ug/ml	98
116)	Benzo(ghi)perylene	16.283	276	14447	0.199	ug/ml#	85

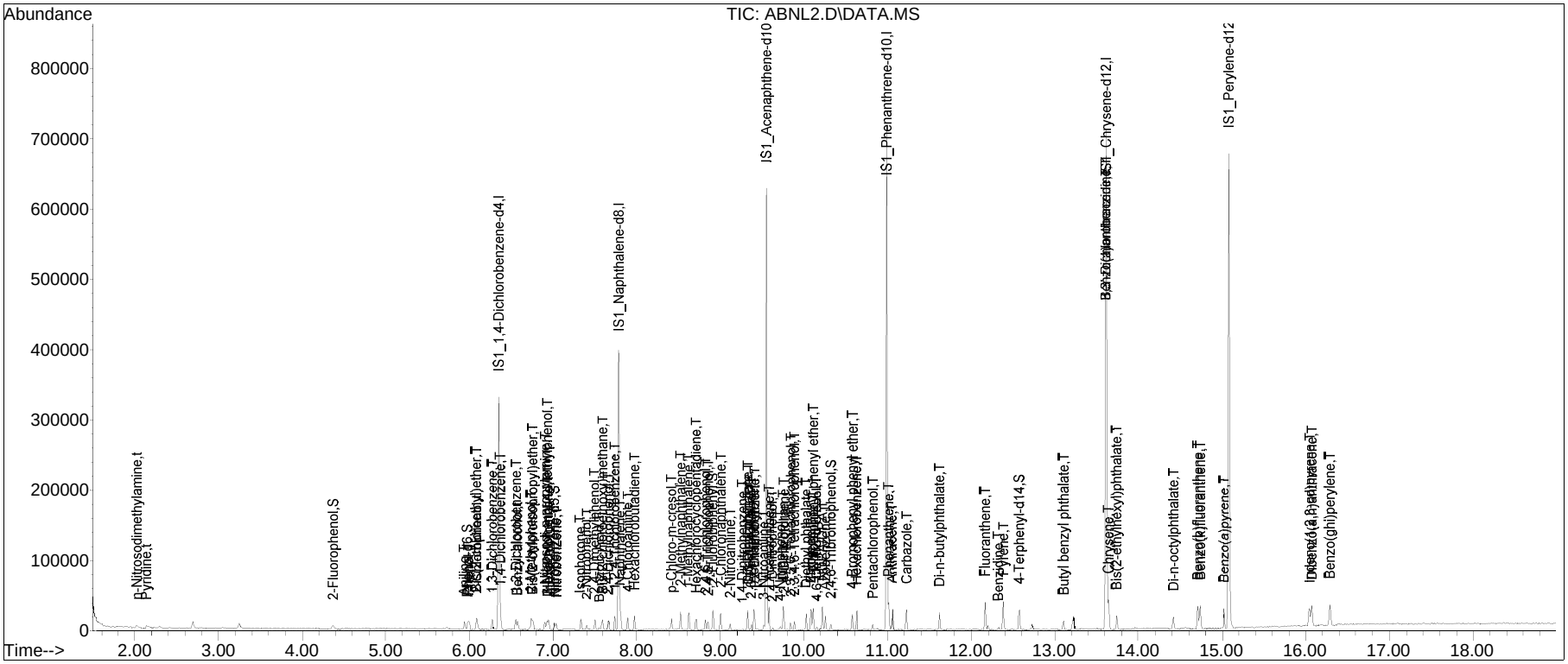
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL2.D
Acq On : 11 Mar 2025 7:34 pm
Operator : SV106:ljg
Sample : IL9,32,,ABNL0.2 Lot# 11432
Misc : WG2039658,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 12 06:21:39 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

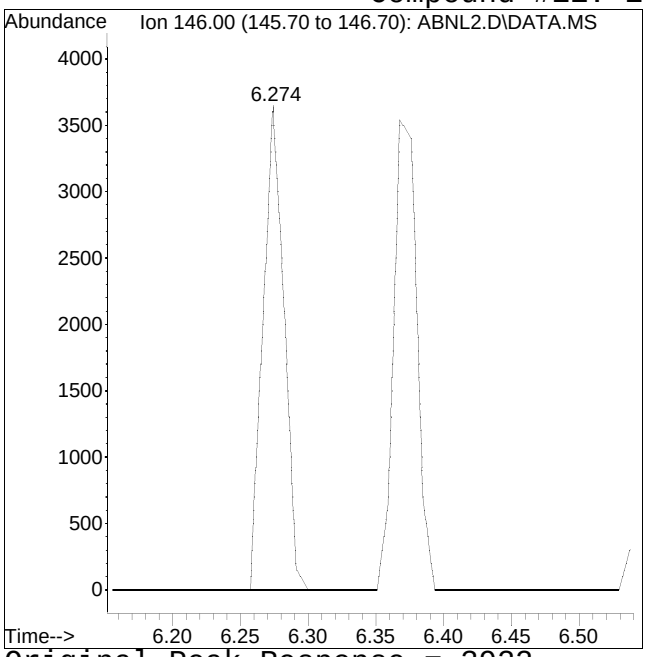
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

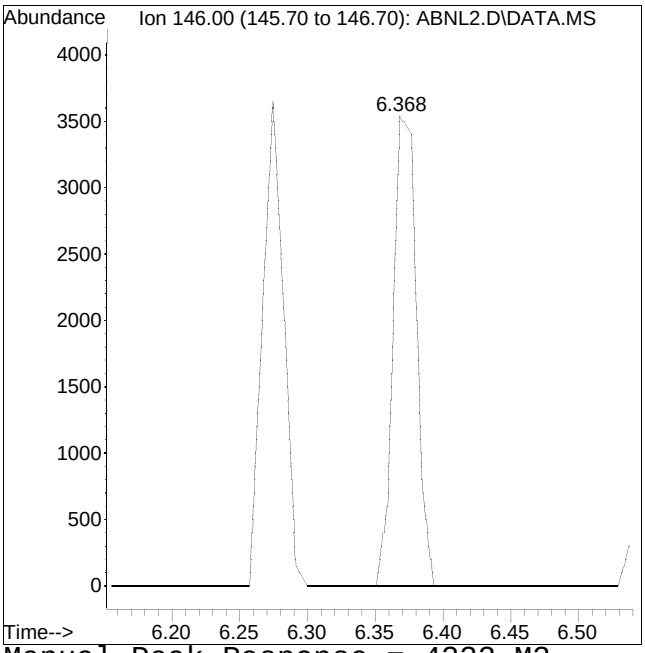


Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:34 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11432Quant Date : 3/12/2025 6:14 am

Compound #11: 1,4-Dichlorobenzene





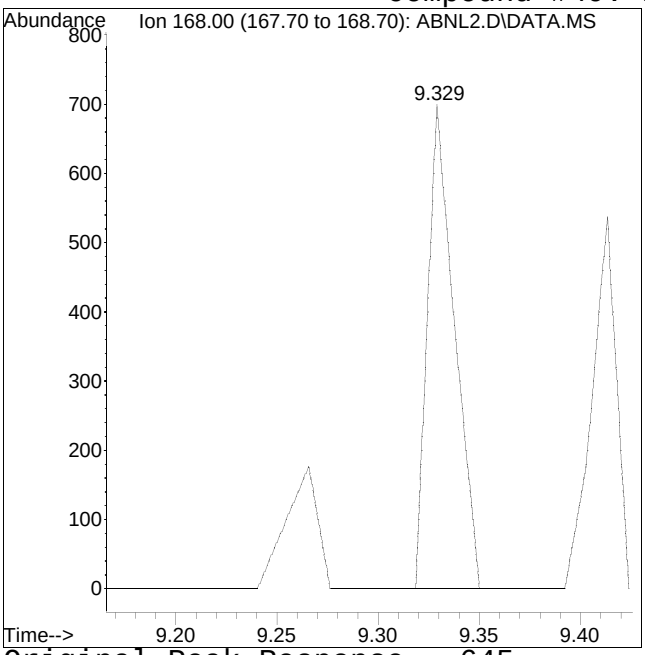
Original Peak Response = 3922 Manual Peak Response = 4232 M3

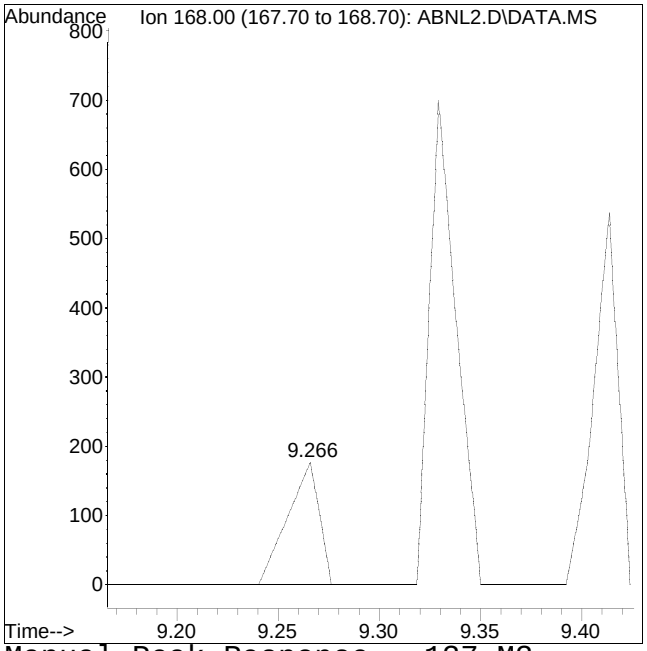
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:34 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11432Quant Date : 3/12/2025 6:14 am

Compound #49: 1,4-Dinitrobenzene





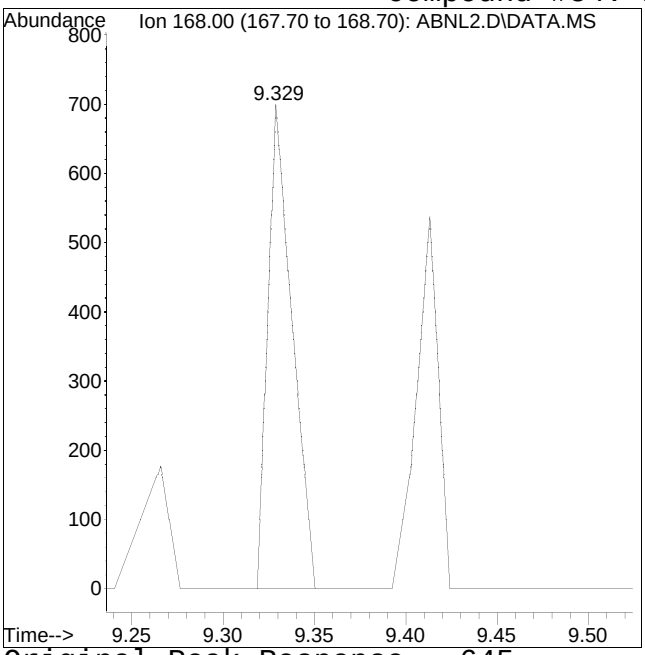
Original Peak Response = 645 Manual Peak Response = 137 M3

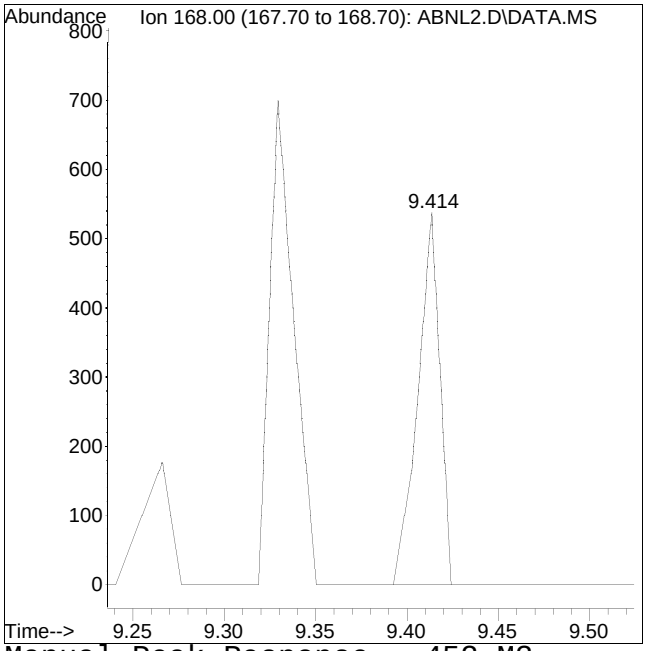
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:34 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11432Quant Date : 3/12/2025 6:14 am

Compound #54: 1,2-Dinitrobenzene





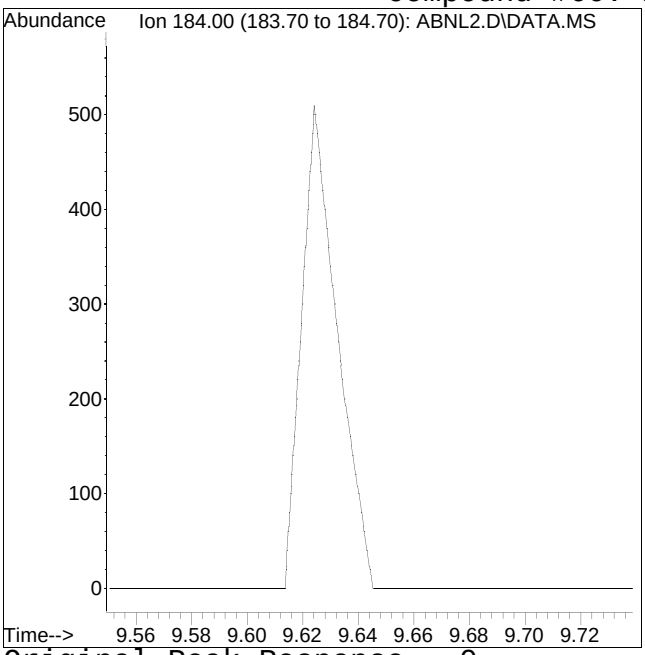
Original Peak Response = 645 Manual Peak Response = 452 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

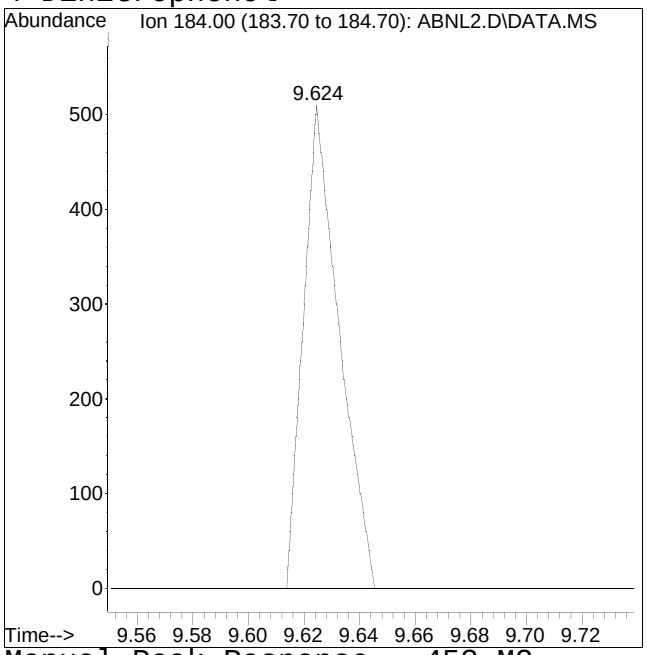
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:34 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11432Quant Date : 3/12/2025 6:14 am

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0



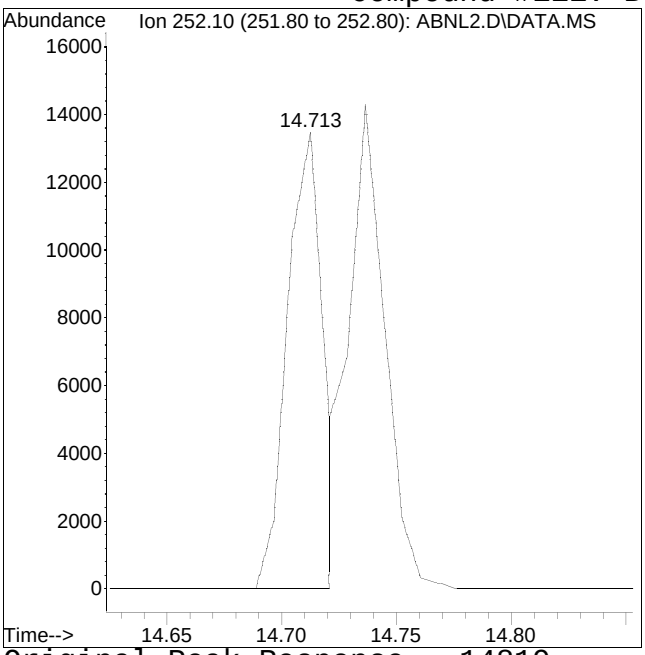
Manual Peak Response = 453 M2

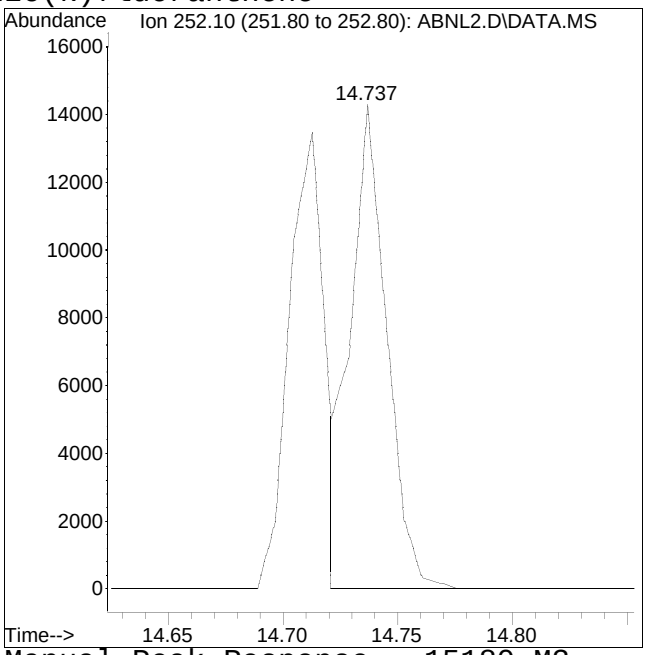
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:34 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11432Quant Date : 3/12/2025 6:14 am

Compound #111: Benzo(k)fluoranthene





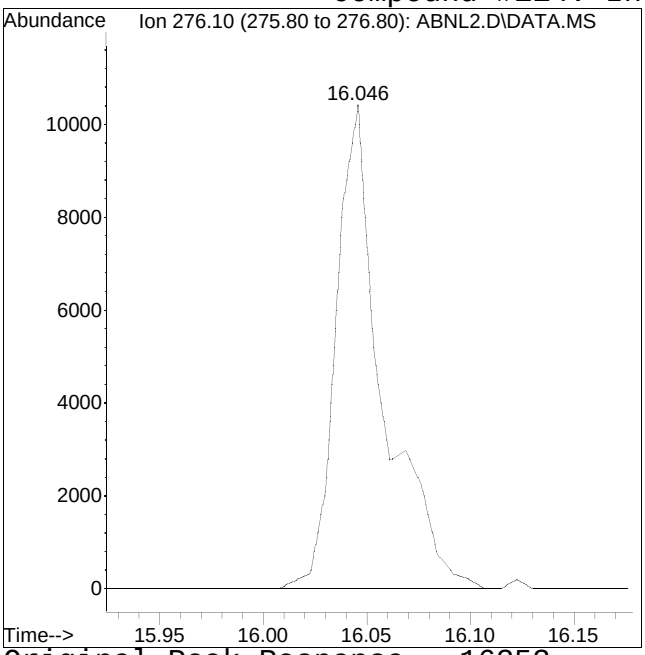
Original Peak Response = 14819 Manual Peak Response = 15180 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

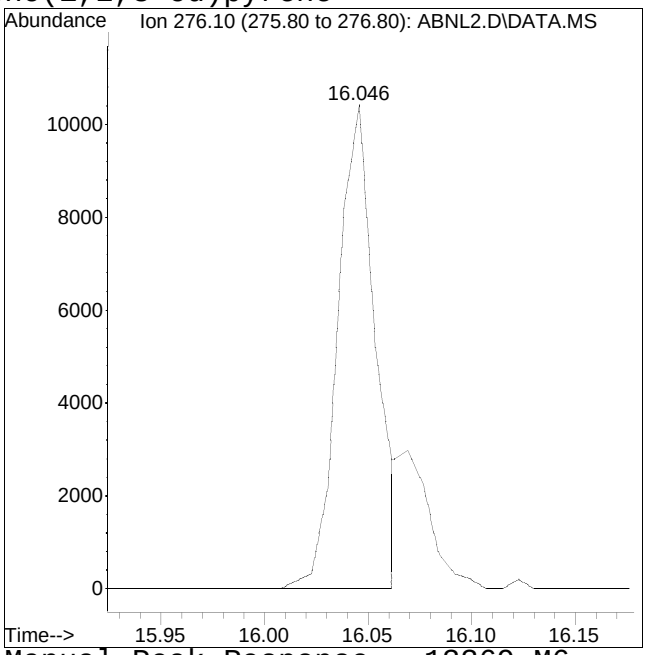
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL2.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:34 pm Instrument : SV 106
Sample : IL9,32,,ABNL0.2 Lot# 11432Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 16353



Manual Peak Response = 13369 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL1.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2039658,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 12 06:20:26 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) IS1_1,4-Dichlorobenzen...	6.351	152	58866	4.000 ug/ml	0.00
Standard Area 1 = 55857			Recovery = 105.39%		
35) IS1_Naphthalene-d8	7.783	136	211995	4.000 ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 103.52%		
63) IS1_Acenaphthene-d10	9.550	164	131728	4.000 ug/ml	0.00
Standard Area 1 = 132560			Recovery = 99.37%		
88) IS1_Phenanthrene-d10	10.988	188	265789	4.000 ug/ml	0.00
Standard Area 1 = 260564			Recovery = 102.01%		
104) IS1_Chrysene-d12	13.617	240	266677	4.000 ug/ml	0.00
Standard Area 1 = 281321			Recovery = 94.79%		
113) IS1_Perylene-d12	15.079	264	284137	4.000 ug/ml	0.00
Standard Area 1 = 300591			Recovery = 94.53%		
System Monitoring Compounds					
4) 2-Fluorophenol	4.377	112	1801	0.098 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.90%#		
7) Phenol-d6	5.985	99	2079	0.094 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.70%#		
19) Nitrobenzene-d5	7.017	82	1581	0.079 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 7.90%#		
46) 2-Fluorobiphenyl	8.911	172	5700	0.116 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.60%#		
79) 2,4,6-Tribromophenol	10.321	330	617	0.083 ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 4.15%#		
96) 4-Terphenyl-d14	12.576	244	7960	0.112 ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 11.20%#		
Target Compounds					Qvalue
2) n-Nitrosodimethylamine	2.033	74	1152	0.103 ug/ml#	93
3) Pyridine	2.163	79	1971	0.110 ug/ml	87
5) Aniline	5.943	93	2112	0.081 ug/ml#	75
6) 2-Chlorophenol	6.087	128	1763	0.088 ug/ml#	88
8) Phenol	5.994	94	2485	0.109 ug/ml	95
9) Bis(2-chloroethyl)ether	6.079	93	1859	0.099 ug/ml#	68
10) 1,3-Dichlorobenzene	6.274	146	2673	0.109 ug/ml#	85
11) 1,4-Dichlorobenzene	6.376	146	2612M3	0.104 ug/ml	
12) 1,2-Dichlorobenzene	6.555	146	2175	0.091 ug/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL1.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2039658,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 12 06:20:26 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
13) Benzyl alcohol	6.572	79	1377	0.088	ug/ml	89
14) Bis(2-chloroisopropyl)...	6.755	45	4549	0.154	ug/ml#	73
15) 2-Methylphenol	6.739	108	2091	0.126	ug/ml#	72
16) Hexachloroethane	6.942	117	876	0.097	ug/ml#	56
17) n-Nitrosodi-n-propylamine	6.905	70	1302	0.094	ug/ml#	59
18) 3-Methylphenol/4-Methy...	6.927	108	1706	0.095	ug/ml#	88
20) Nitrobenzene	7.040	77	1600	0.078	ug/ml#	83
21) Isophorone	7.325	82	3452	0.097	ug/ml#	65
22) 2-Nitrophenol	7.400	139	662	0.063	ug/ml#	31
23) 2,4-Dimethylphenol	7.506	107	1843	0.112	ug/ml	92
24) Bis(2-chloroethoxy)met...	7.595	93	2981	0.125	ug/ml#	87
25) 2,4-Dichlorophenol	7.660	162	1605	0.087	ug/ml	91
26) 1,2,4-Trichlorobenzene	7.739	180	2501	0.117	ug/ml#	78
36) Naphthalene	7.804	128	6568	0.110	ug/ml	98
37) Benzoic Acid	7.558	105	392M2	1.319	ug/ml	
38) 4-Chloroaniline	7.898	65	710	0.106	ug/ml#	88
39) Hexachlorobutadiene	7.977	225	1521	0.120	ug/ml	96
40) p-Chloro-m-cresol	8.424	107	1871	0.119	ug/ml#	87
41) 2-Methylnaphthalene	8.529	142	3751	0.094	ug/ml	96
42) 1-Methylnaphthalene	8.626	115	1491	0.116	ug/ml	96
43) Hexachlorocyclopentadiene	8.708	237	1772	0.128	ug/ml#	88
44) 2,4,6-Trichlorophenol	8.828	196	1481	0.102	ug/ml#	76
45) 2,4,5-Trichlorophenol	8.858	196	1369	0.091	ug/ml#	75
47) 2-Chloronaphthalene	9.008	162	4847	0.117	ug/ml	92
48) 2-Nitroaniline	9.120	138	704	0.059	ug/ml	95
49) 1,4-Dinitrobenzene	0.000		0	N.D.		
50) 1,3-Dinitrobenzene	9.329	168	219M2	0.033	ug/ml	
51) Dimethyl phthalate	9.329	163	5746	0.119	ug/ml#	77
52) Acenaphthylene	9.403	152	7353	0.119	ug/ml	98
53) 2,6-Dinitrotoluene	9.371	165	592	0.060	ug/ml#	1
54) 1,2-Dinitrobenzene	9.413	168	183M2	0.043	ug/ml	
64) 3-Nitroaniline	9.519	138	814	0.077	ug/ml#	22
65) Acenaphthene	9.582	154	4932	0.129	ug/ml	96
66) 2,4-Dinitrophenol	9.624	184	150M2	1.212	ug/ml	
67) Dibenzofuran	9.751	168	7145	0.116	ug/ml	92
68) 2,4-Dinitrotoluene	9.761	165	775	0.056	ug/ml#	63
69) 4-Nitrophenol	9.719	65	592	0.075	ug/ml#	1
70) 2,3,5,6-Tetrachlorophenol	9.849	232	1159	0.090	ug/ml#	68

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL1.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2039658,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 12 06:20:26 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	1124	0.089	ug/ml#	61
72)	Diethyl phthalate	10.025	149	4618	0.092	ug/ml#	94
73)	Fluorene	10.089	166	5307	0.110	ug/ml	97
74)	4-Chlorophenyl phenyl ...	10.110	204	2986	0.121	ug/ml#	84
75)	4-Nitroaniline	10.117	138	711	0.066	ug/ml#	57
76)	4,6-Dinitro-o-cresol	10.152	198	502	0.392	ug/ml#	1
77)	NDPA/DPA	10.223	169	4368	0.105	ug/ml	92
78)	Azobenzene	10.258	77	3937	0.097	ug/ml	97
80)	4-Bromophenyl phenyl e...	10.579	248	1839	0.120	ug/ml#	76
81)	Hexachlorobenzene	10.624	284	1943	0.112	ug/ml#	82
82)	Pentachlorophenol	10.821	266	603	0.057	ug/ml#	19
89)	Phenanthrene	11.010	178	9748M3	0.125	ug/ml	
90)	Anthracene	11.056	178	8461	0.109	ug/ml	98
91)	Carbazole	11.230	167	6688	0.096	ug/ml#	93
92)	Di-n-butylphthalate	11.624	149	6922	0.079	ug/ml#	92
93)	Fluoranthene	12.163	202	10090	0.112	ug/ml#	92
94)	Benzidine	12.322	184	897	0.017	ug/ml#	68
95)	Pyrene	12.379	202	10786	0.114	ug/ml	96
97)	Butyl benzyl phthalate	13.101	149	2130	0.058	ug/ml#	87
105)	Benzo(a)anthracene	13.609	228	9892	0.108	ug/ml	97
106)	3,3'-Dichlorobenzidine	13.609	252	2443	0.081	ug/ml#	89
107)	Chrysene	13.641	228	10423	0.118	ug/ml	94
108)	Bis(2-ethylhexyl)phtha...	13.736	149	3322	0.060	ug/ml#	94
109)	Di-n-octylphthalate	14.418	149	5178	0.057	ug/ml#	88
110)	Benzo(b)fluoranthene	14.713	252	9140	0.103	ug/ml#	96
111)	Benzo(k)fluoranthene	14.737	252	9658	0.117	ug/ml#	93
112)	Benzo(a)pyrene	15.024	252	8002	0.104	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	16.046	276	7771M6	0.090	ug/mL	
115)	Dibenzo(a,h)anthracene	16.069	278	8096	0.099	ug/ml#	92
116)	Benzo(ghi)perylene	16.283	276	8031	0.105	ug/ml#	89

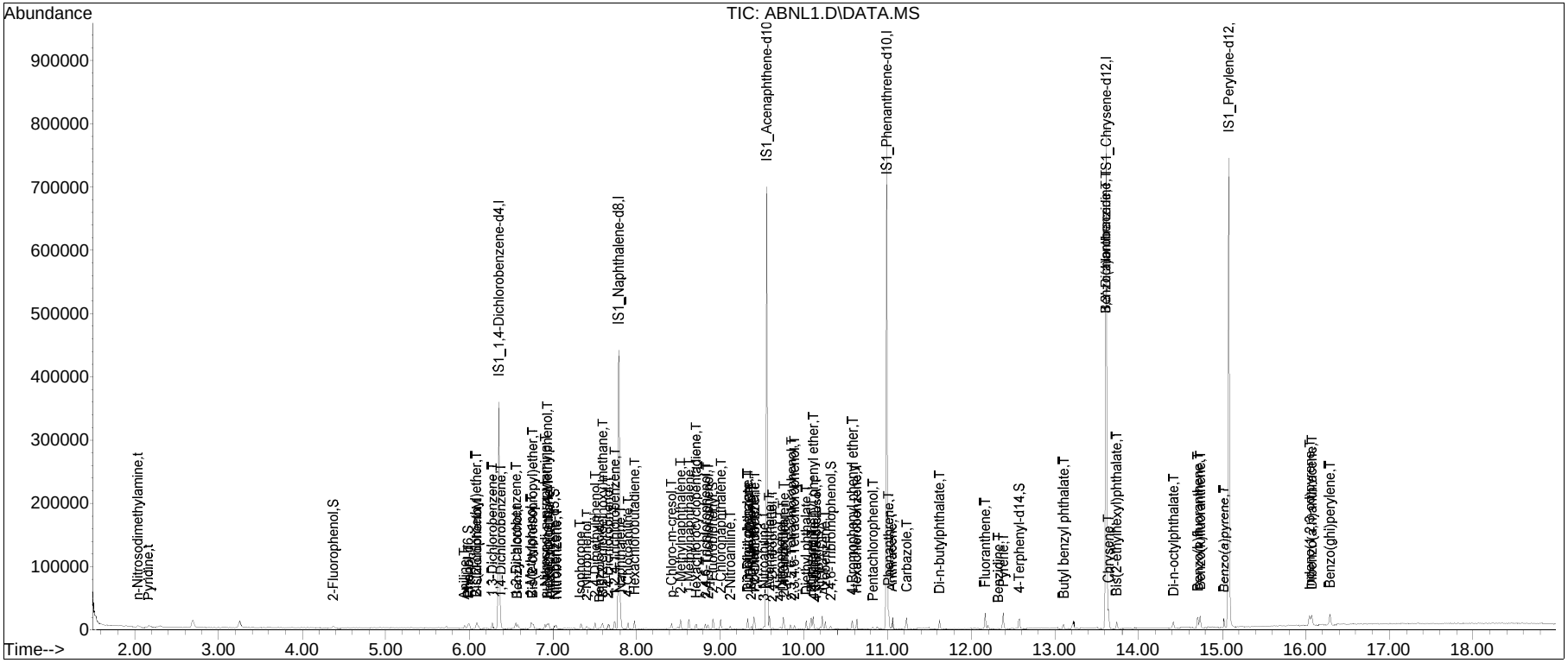
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNL1.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:ljg
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2039658,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 12 06:20:26 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 06:11:40 2025
Response via : Initial Calibration

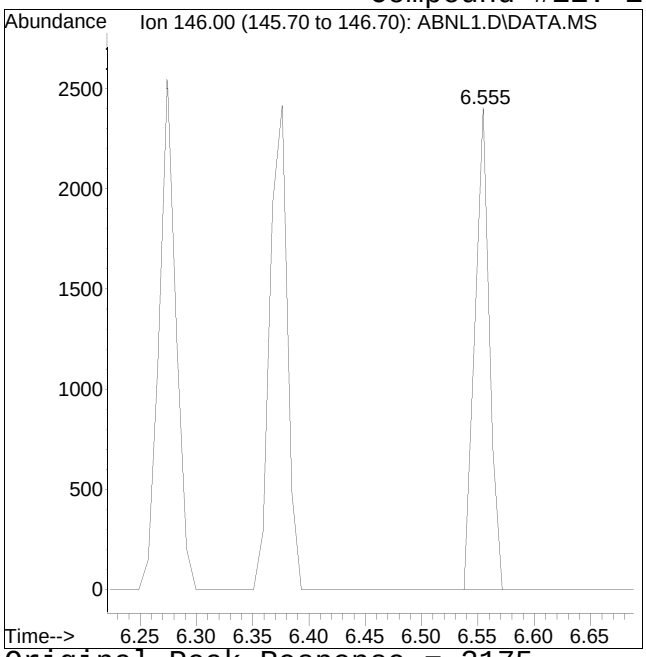
Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

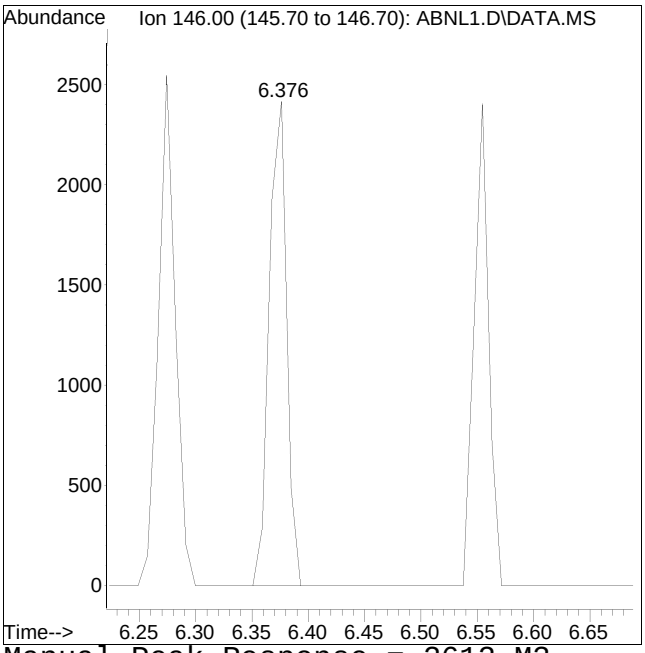


Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #11: 1,4-Dichlorobenzene





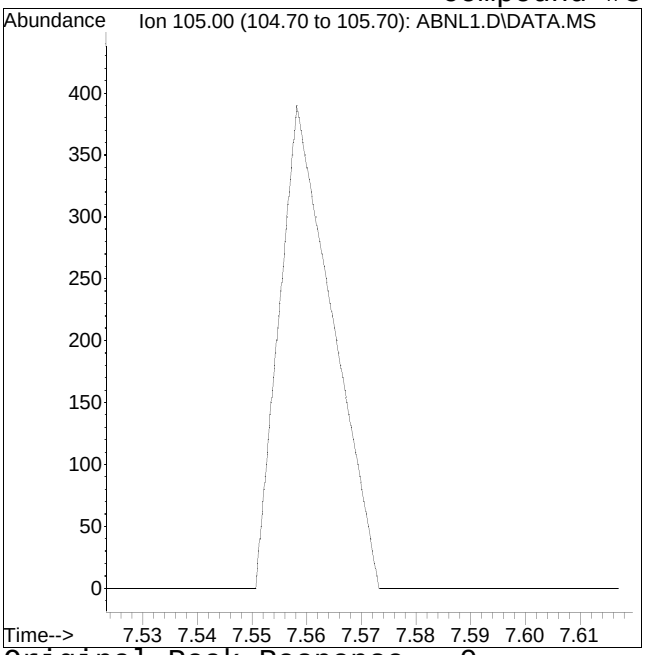
Original Peak Response = 2175 Manual Peak Response = 2612 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

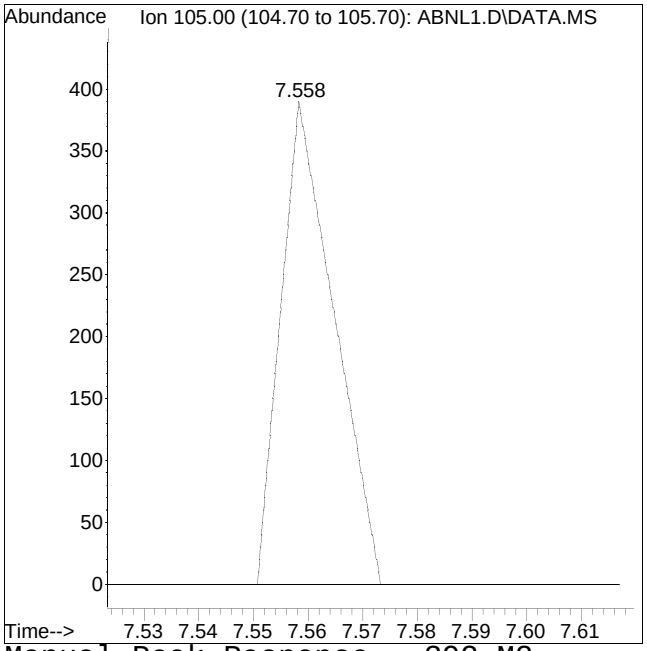
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #37: Benzoic Acid



Original Peak Response = 0



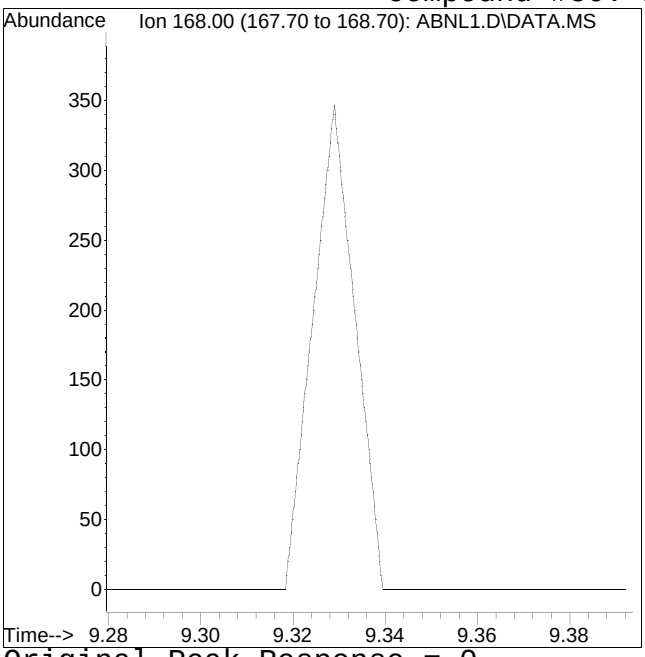
Manual Peak Response = 392 M2

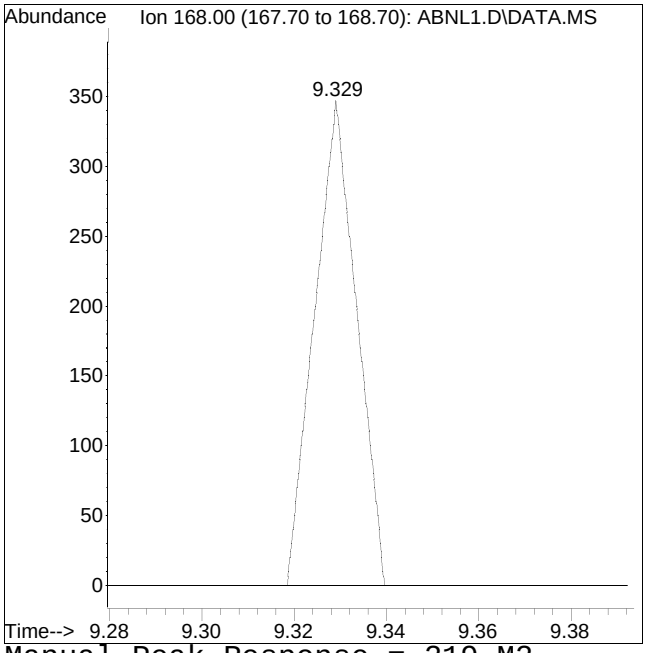
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #50: 1,3-Dinitrobenzene



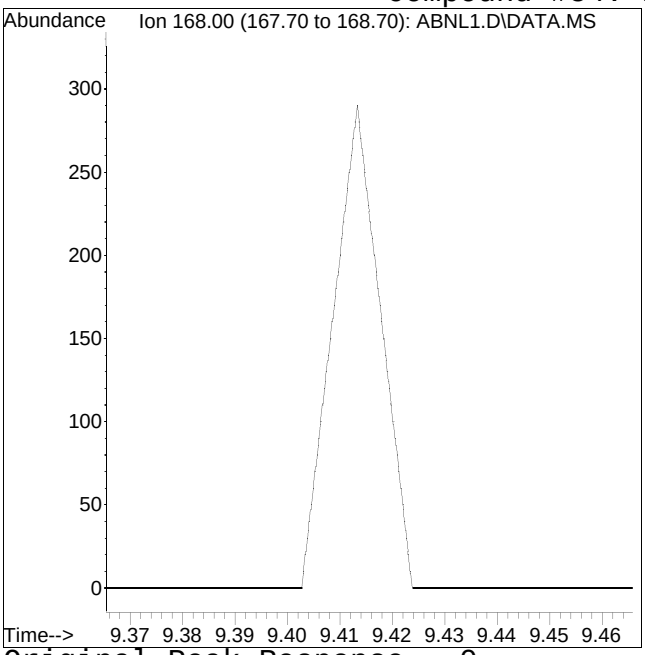


Original Peak Response = 0 Manual Peak Response = 219 M2
M2 = Peak not found by automatic integration algorithm.

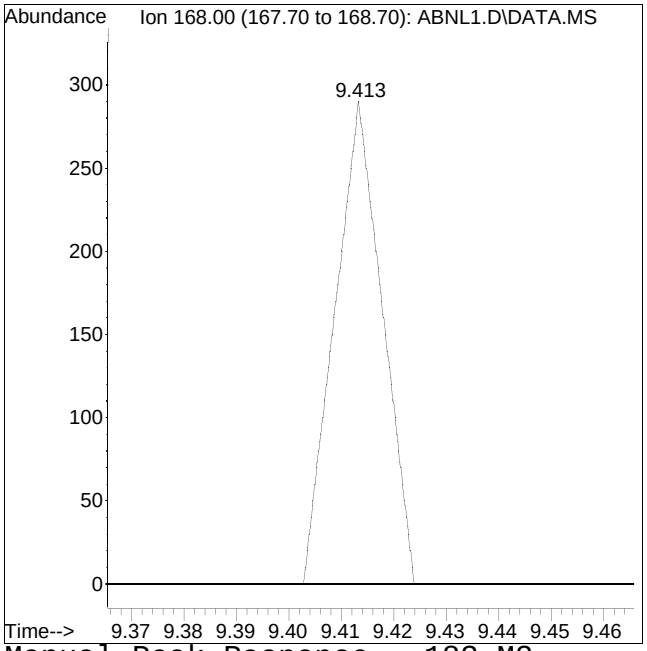
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0



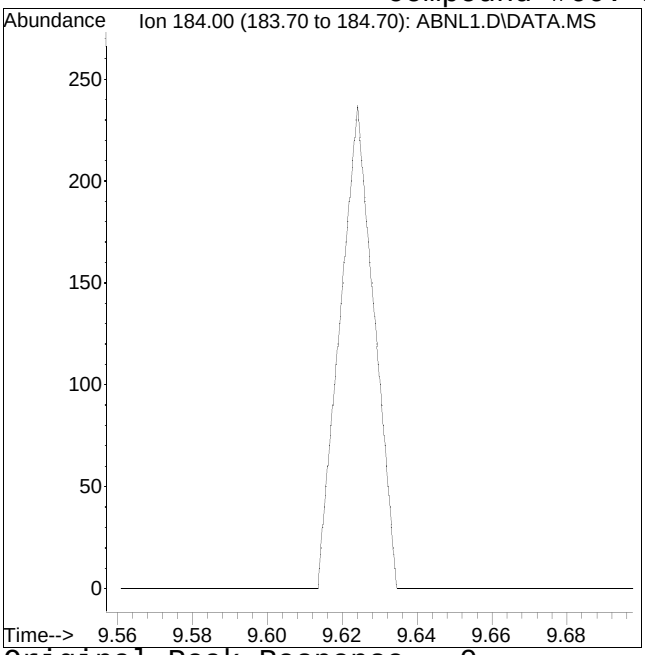
Manual Peak Response = 183 M2

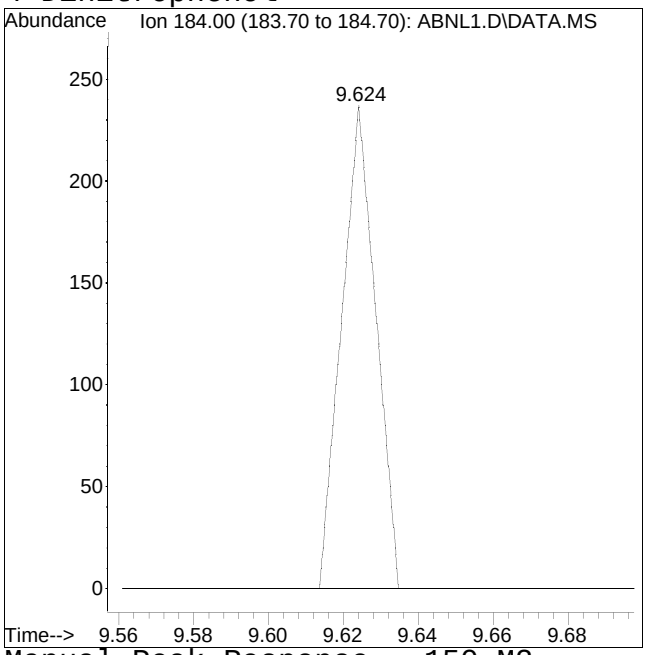
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #66: 2,4-Dinitrophenol



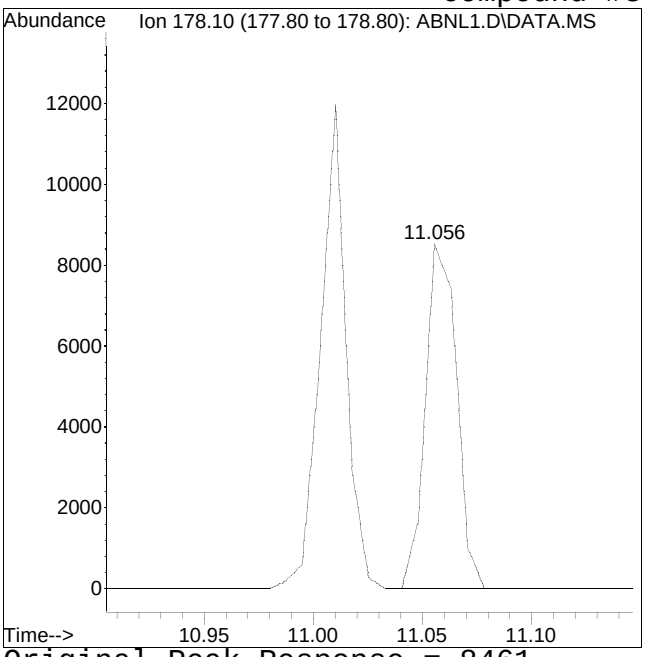


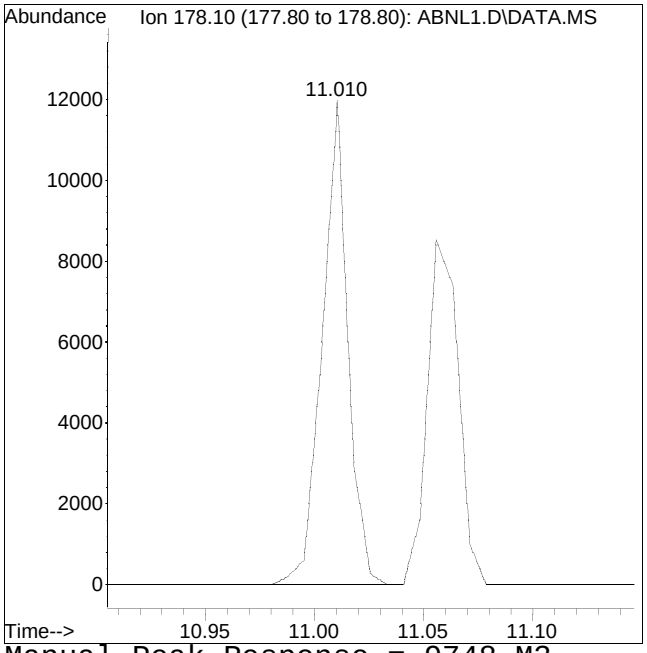
Original Peak Response = 0 Manual Peak Response = 150 M2
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #89: Phenanthrene





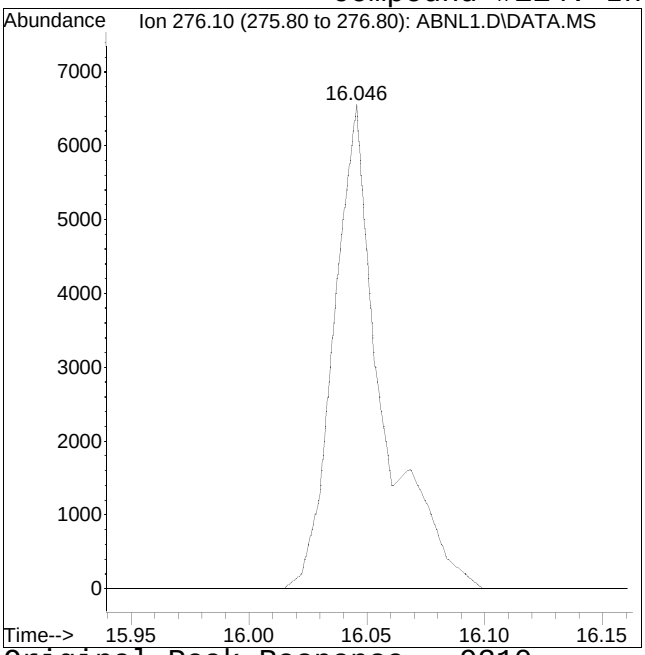
Original Peak Response = 8461 Manual Peak Response = 9748 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

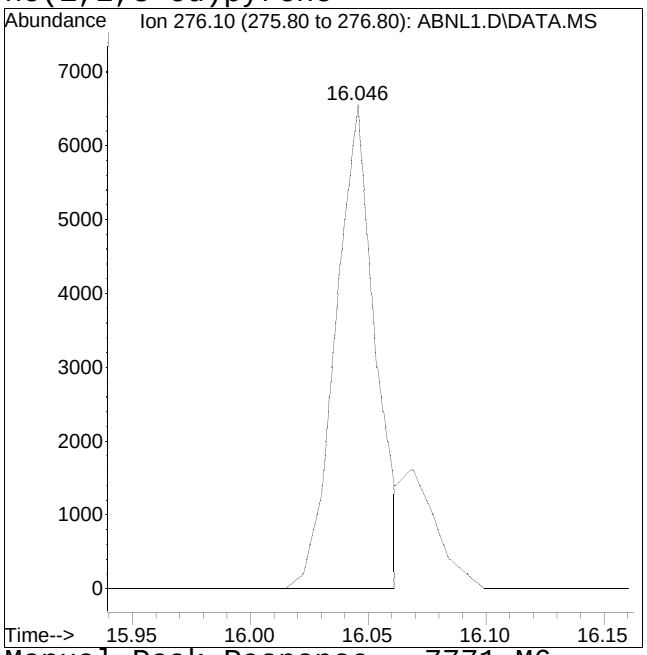
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNL1.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 7:58 pm Instrument : SV 106
Sample : IL10,32,,ABNL0.1 Lot# 1143Quant Date : 3/12/2025 6:14 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 9310



Manual Peak Response = 7771 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	100	0.00
2	t	n-Nitrosodimethylamine		0.718	0.747	-4.0	106	0.00
3	t	Pyridine		1.251	0.932	25.5#	81	0.00
4	S	2-Fluorophenol		1.128	1.179	-4.5	106	0.00
5	T	Aniline		1.738	1.870	-7.6	103	0.00
6	t	2-Chlorophenol		1.218	1.291	-6.0	107	0.00
7	S	Phenol-d6		1.323	1.425	-7.7	109	0.00
8	T	Phenol		1.459	1.543	-5.8	108	0.00
9	T	Bis(2-chloroethyl)ether		1.159	1.236	-6.6	109	0.00
10	T	1,3-Dichlorobenzene		1.540	1.642	-6.6	112	0.00
11	T	1,4-Dichlorobenzene		1.574	1.637	-4.0	106	0.00
12	T	1,2-Dichlorobenzene		1.490	1.575	-5.7	110	0.00
13	t	Benzyl alcohol		0.910	0.940	-3.3	103	0.00
14	T	Bis(2-chloroisopropyl)ether		2.704	3.081	-13.9	118	0.00
15	T	2-Methylphenol		1.283	1.331	-3.7	108	0.00
16	T	Hexachloroethane		0.546	0.580	-6.2	107	0.00
17	T	n-Nitrosodi-n-propylamine		0.855	0.900	-5.3	106	0.00
18	T	3-Methylphenol/4-Methylphen		1.110	1.198	-7.9	108	0.00
19	S	Nitrobenzene-d5		1.096	1.092	0.4	99	0.00
20	T	Nitrobenzene		1.118	1.119	-0.1	98	0.00
21	T	Isophorone		2.296	2.405	-4.7	105	0.00
22	T	2-Nitrophenol		0.509	0.472	7.3	92	0.00
23	T	2,4-Dimethylphenol		1.198	1.282	-7.0	104	0.00
24	T	Bis(2-chloroethoxy)methane		1.639	1.372	16.3	93	0.00
25	T	2,4-Dichlorophenol		1.137	1.215	-6.9	105	0.00
26	T	1,2,4-Trichlorobenzene		1.457	1.484	-1.9	107	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	101	0.00
36	T	Naphthalene		1.066	1.108	-3.9	110	0.00
37	T	Benzoic Acid	*	5.000	3.503	29.9#	92	0.00
38	T	4-Chloroaniline		0.132	0.141	-6.8	107	0.00
39	T	Hexachlorobutadiene		0.244	0.243	0.4	102	0.00
40	T	p-Chloro-m-cresol		0.325	0.320	1.5	104	0.00
41	T	2-Methylnaphthalene		0.638	0.686	-7.5	111	0.00
42	T	1-Methylnaphthalene		0.245	0.250	-2.0	108	0.00
43	T	Hexachlorocyclopentadiene		0.300	0.289	3.7	98	0.00
44	T	2,4,6-Trichlorophenol		0.251	0.240	4.4	96	0.00
45	T	2,4,5-Trichlorophenol		0.255	0.288	-12.9	110	0.00
46	S	2-Fluorobiphenyl		0.923	0.949	-2.8	107	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.756	0.785	-3.8	108	0.00
48	T	2-Nitroaniline		0.166	0.168	-1.2	97	0.00
49	T	1,4-Dinitrobenzene	*	5.000	3.021	39.6#	51	0.00
50	T	1,3-Dinitrobenzene		0.104	0.094	9.6	95	0.00
51	T	Dimethyl phthalate		0.908	0.951	-4.7	106	0.00
52	T	Acenaphthylene		1.201	1.287	-7.2	110	0.00
53	T	2,6-Dinitrotoluene		0.151	0.172	-13.9	97	0.00
54	T	1,2-Dinitrobenzene		0.063	0.066	-4.8	96	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	98	0.00
64	T	3-Nitroaniline		0.252	0.271	-7.5	100	-0.01
65	T	Acenaphthene		1.101	1.095	0.5	105	0.00
66	T	2,4-Dinitrophenol	*	5.000	4.704	5.9	103	0.00
67	T	Dibenzofuran		1.914	1.878	1.9	109	0.00
68	T	2,4-Dinitrotoluene	*	5.000	4.642	7.2	95	0.00
69	T	4-Nitrophenol		0.192	0.209	-8.9	103	-0.01
70	T	2,3,5,6-Tetrachlorophenol		0.365	0.509	-39.5#	141	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.344	0.373	-8.4	105	0.00
72	T	Diethyl phthalate		1.359	1.427	-5.0	104	0.00
73	T	Fluorene		1.410	1.469	-4.2	107	0.00
74	T	4-Chlorophenyl phenyl ether		0.738	0.743	-0.7	106	0.00
75	T	4-Nitroaniline		0.246	0.258	-4.9	97	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	4.140	17.2	95	0.00
77	T	NDPA/DPA		1.176	1.247	-6.0	108	0.00
78	T	Azobenzene		1.121	1.217	-8.6	108	0.00
79	S	2,4,6-Tribromophenol		0.206	0.221	-7.3	101	0.00
80	T	4-Bromophenyl phenyl ether		0.463	0.455	1.7	102	0.00
81	T	Hexachlorobenzene		0.543	0.542	0.2	106	0.00
82	T	Pentachlorophenol		0.282	0.268	5.0	95	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	98	0.00
89	T	Phenanthrene		1.135	1.174	-3.4	108	0.00
90	T	Anthracene		1.107	1.189	-7.4	107	0.00
91	T	Carbazole		0.989	1.081	-9.3	106	0.00
92	T	Di-n-butylphthalate		1.116	1.329	-19.1	117	0.00
93	T	Fluoranthene		1.298	1.388	-6.9	108	0.00
94	T	Benzidine		0.704	0.825	-17.2	109	0.00
95	T	Pyrene		1.359	1.446	-6.4	107	0.00
96	S	4-Terphenyl-d14		1.038	1.111	-7.0	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.295	14.1	96	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	100	0.00
105	T	Benzo(a)anthracene		1.278	1.357	-6.2	111	0.00
106	T	3,3'-Dichlorobenzidine		0.429	0.511	-19.1	112	0.00
107	T	Chrysene		1.267	1.225	3.3	103	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.614	7.7	102	0.00
109	T	Di-n-octylphthalate	*	5.000	4.265	14.7	99	0.00
110	T	Benzo(b)fluoranthene		1.314	1.500	-14.2	112	0.00
111	T	Benzo(k)fluoranthene		1.222	1.186	2.9	100	-0.02
112	T	Benzo(a)pyrene		1.157	1.260	-8.9	107	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	99	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.068	1.151	-7.8	100	0.00
115	T	Dibenzo(a,h)anthracene		1.063	1.179	-10.9	106	-0.02
116	T	Benzo(ghi)perylene		1.047	1.128	-7.7	104	-0.02

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	6.351	152	55635	4.000	ug/ml	0.00
Standard Area 1 = 55857			Recovery = 99.60%			
35) IS1_Naphthalene-d8	7.782	136	206444	4.000	ug/ml	# 0.00
Standard Area 1 = 204785			Recovery = 100.81%			
63) IS1_Acenaphthene-d10	9.550	164	130053	4.000	ug/ml	0.00
Standard Area 1 = 132560			Recovery = 98.11%			
88) IS1_Phenanthrene-d10	10.988	188	255579	4.000	ug/ml	# 0.00
Standard Area 1 = 260564			Recovery = 98.09%			
104) IS1_Chrysene-d12	13.609	240	280312	4.000	ug/ml	0.00
Standard Area 1 = 281321			Recovery = 99.64%			
113) IS1_Perylene-d12	15.071	264	296085	4.000	ug/ml	0.00
Standard Area 1 = 300591			Recovery = 98.50%			
System Monitoring Compounds						
4) 2-Fluorophenol	4.377	112	81992	5.225	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 261.25%#			
7) Phenol-d6	5.977	99	99086	5.386	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 269.30%#			
19) Nitrobenzene-d5	7.017	82	75927	4.982	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 498.20%#			
46) 2-Fluorobiphenyl	8.911	172	244997	5.141	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 514.10%#			
79) 2,4,6-Tribromophenol	10.321	330	35854	5.362	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 268.10%#			
96) 4-Terphenyl-d14	12.566	244	354778	5.351	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 535.10%#			
Target Compounds						Qvalue
2) n-Nitrosodimethylamine	2.004	74	51950	5.201	ug/ml	88
3) Pyridine	2.062	79	64794	3.725	ug/ml	80
5) Aniline	5.943	93	130036	5.379	ug/ml	98
6) 2-Chlorophenol	6.079	128	89808	5.302	ug/ml	95
8) Phenol	5.994	94	107273	5.286	ug/ml	99
9) Bis(2-chloroethyl)ether	6.070	93	85977	5.332	ug/ml#	75
10) 1,3-Dichlorobenzene	6.274	146	114203	5.331	ug/ml	96
11) 1,4-Dichlorobenzene	6.368	146	113836	5.198	ug/ml	98
12) 1,2-Dichlorobenzene	6.554	146	109498	5.282	ug/ml	96

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
13) Benzyl alcohol	6.563	79	65361	5.162 ug/ml	95
14) Bis(2-chloroisopropyl)...	6.747	45	214270	5.697 ug/ml#	72
15) 2-Methylphenol	6.739	108	92542	5.188 ug/ml	97
16) Hexachloroethane	6.942	117	40367	5.314 ug/ml#	58
17) n-Nitrosodi-n-propylamine	6.897	70	62622	5.268 ug/ml	93
18) 3-Methylphenol/4-Methy...	6.927	108	83330	5.397 ug/ml	97
20) Nitrobenzene	7.032	77	77805	5.002 ug/ml	99
21) Isophorone	7.318	82	167265	5.239 ug/ml	98
22) 2-Nitrophenol	7.393	139	32856	4.641 ug/ml	90
23) 2,4-Dimethylphenol	7.498	107	89154	5.349 ug/ml	97
24) Bis(2-chloroethoxy)met...	7.595	93	95427	4.187 ug/ml	97
25) 2,4-Dichlorophenol	7.660	162	84500	5.343 ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.739	180	103236	5.093 ug/ml	98
36) Naphthalene	7.804	128	286040	5.198 ug/ml	99
37) Benzoic Acid	7.573	105	23560	3.503 ug/ml	97
38) 4-Chloroaniline	7.890	65	36407	5.360 ug/ml	87
39) Hexachlorobutadiene	7.977	225	62724	4.984 ug/ml	99
40) p-Chloro-m-cresol	8.424	107	82686	4.929 ug/ml	95
41) 2-Methylnaphthalene	8.528	142	176905	5.375 ug/ml	95
42) 1-Methylnaphthalene	8.618	115	64481	5.104 ug/ml	97
43) Hexachlorocyclopentadiene	8.708	237	74521	4.815 ug/ml	97
44) 2,4,6-Trichlorophenol	8.828	196	61811	4.768 ug/ml	97
45) 2,4,5-Trichlorophenol	8.851	196	74264	5.646 ug/ml	96
47) 2-Chloronaphthalene	9.000	162	202516	5.187 ug/ml	95
48) 2-Nitroaniline	9.120	138	43241	5.040 ug/ml	87
49) 1,4-Dinitrobenzene	9.266	168	1972M3	3.021 ug/ml	
50) 1,3-Dinitrobenzene	9.329	168	24161	4.491 ug/ml#	1
51) Dimethyl phthalate	9.329	163	245370	5.233 ug/ml#	98
52) Acenaphthylene	9.403	152	332051	5.355 ug/ml	99
53) 2,6-Dinitrotoluene	9.371	165	44259	5.688 ug/ml#	76
54) 1,2-Dinitrobenzene	9.413	168	17122	5.256 ug/ml#	1
64) 3-Nitroaniline	9.519	138	44052	5.371 ug/ml#	92
65) Acenaphthene	9.582	154	177976	4.970 ug/ml	91
66) 2,4-Dinitrophenol	9.624	184	19873	4.704 ug/ml#	84
67) Dibenzofuran	9.751	168	305266	4.906 ug/ml#	81
68) 2,4-Dinitrotoluene	9.761	165	52324	4.642 ug/ml	89
69) 4-Nitrophenol	9.708	65	33937	5.424 ug/ml#	35
70) 2,3,5,6-Tetrachlorophenol	9.842	232	82818	6.974 ug/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
71)	2,3,4,6-Tetrachlorophenol	9.884	232	60689	5.424	ug/ml	98
72)	Diethyl phthalate	10.025	149	232030	5.252	ug/ml	98
73)	Fluorene	10.082	166	238812	5.209	ug/ml	95
74)	4-Chlorophenyl phenyl ...	10.103	204	120770	5.036	ug/ml#	87
75)	4-Nitroaniline	10.110	138	42007M6	5.262	ug/ml	
76)	4,6-Dinitro-o-cresol	10.152	198	27559	4.140	ug/ml#	66
77)	NDPA/DPA	10.223	169	202666	5.302	ug/ml	94
78)	Azobenzene	10.258	77	197919	5.429	ug/ml#	92
80)	4-Bromophenyl phenyl e...	10.579	248	74019	4.916	ug/ml#	84
81)	Hexachlorobenzene	10.624	284	88174	4.995	ug/ml#	81
82)	Pentachlorophenol	10.821	266	43595	4.748	ug/ml	98
89)	Phenanthrene	11.010	178	375117	5.171	ug/ml	99
90)	Anthracene	11.056	178	379894	5.369	ug/ml	99
91)	Carbazole	11.230	167	345386	5.467	ug/ml	99
92)	Di-n-butylphthalate	11.624	149	424514	5.951	ug/ml#	97
93)	Fluoranthene	12.163	202	443321	5.347	ug/ml#	93
94)	Benzidine	12.313	184	263438	5.860	ug/ml#	94
95)	Pyrene	12.379	202	461974	5.321	ug/ml	100
97)	Butyl benzyl phthalate	13.092	149	138193	4.295	ug/ml	89
105)	Benzo(a)anthracene	13.601	228	475634	5.311	ug/ml	99
106)	3,3'-Dichlorobenzidine	13.609	252	179178	5.960	ug/ml#	96
107)	Chrysene	13.641	228	429359	4.836	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	13.736	149	233680	4.614	ug/ml	95
109)	Di-n-octylphthalate	14.410	149	361317	4.265	ug/ml#	78
110)	Benzo(b)fluoranthene	14.705	252	525748	5.709	ug/ml#	92
111)	Benzo(k)fluoranthene	14.728	252	415673	4.853	ug/ml#	93
112)	Benzo(a)pyrene	15.015	252	441421	5.445	ug/ml#	93
114)	Indeno(1,2,3-cd)pyrene	16.038	276	425828M6	5.388	ug/mL	
115)	Dibenzo(a,h)anthracene	16.061	278	436195	5.546	ug/ml#	90
116)	Benzo(ghi)perylene	16.275	276	417580	5.386	ug/ml#	87

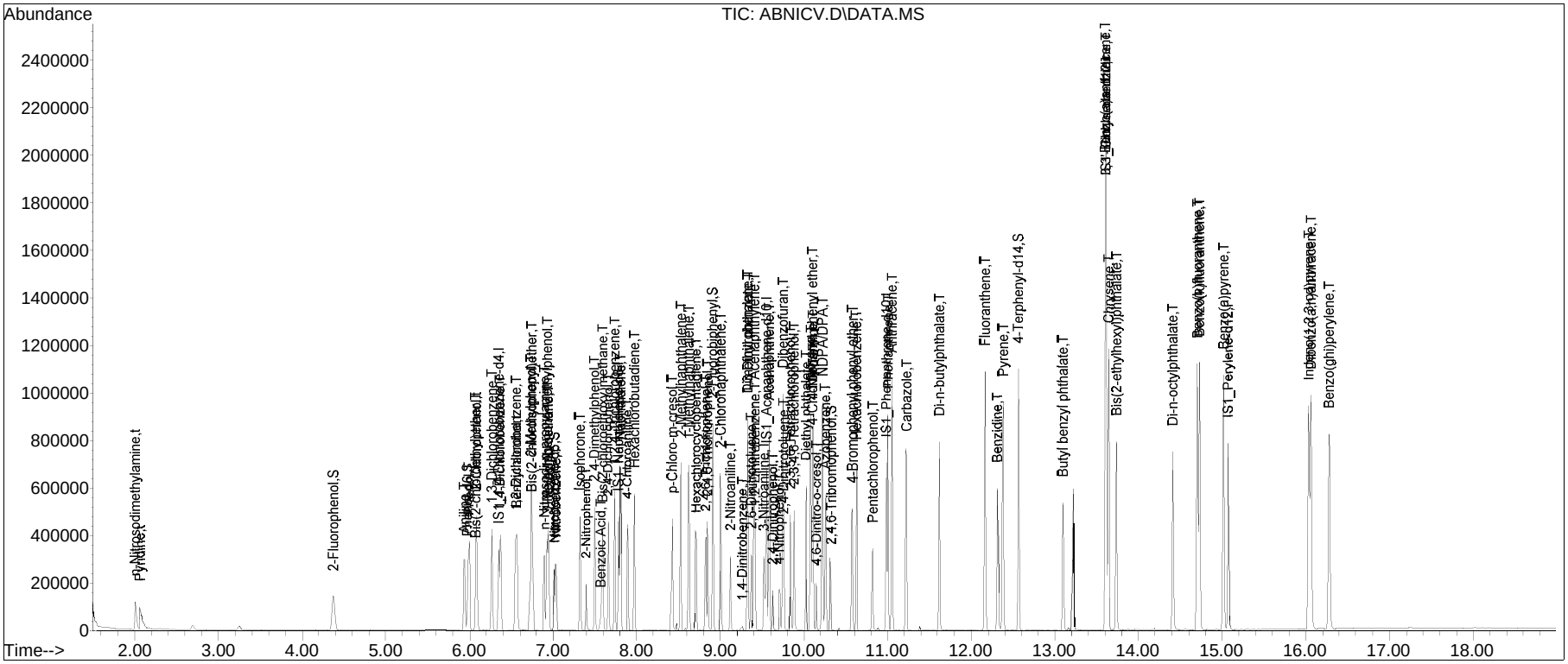
(#) = qualifier out of range (m) = manual integration (+) = signals summed

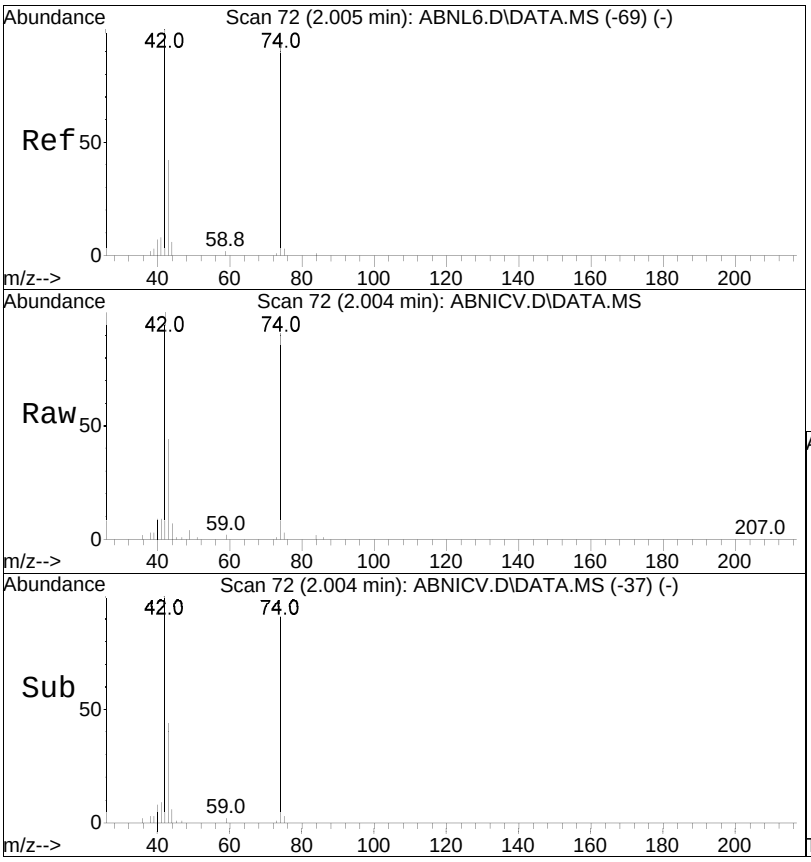
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ABNICV.D
Acq On : 11 Mar 2025 10:18 pm
Operator : SV106:ljg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2039658,,ical
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 12 12:20:40 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:40 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\AP9L6.D•

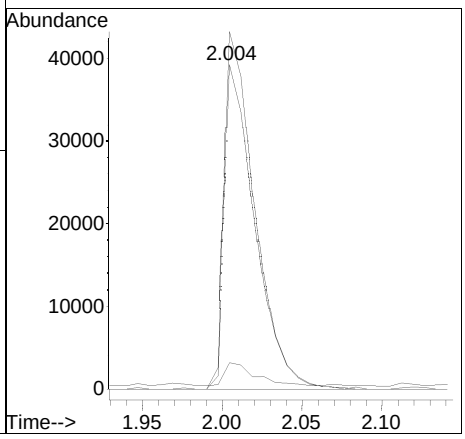


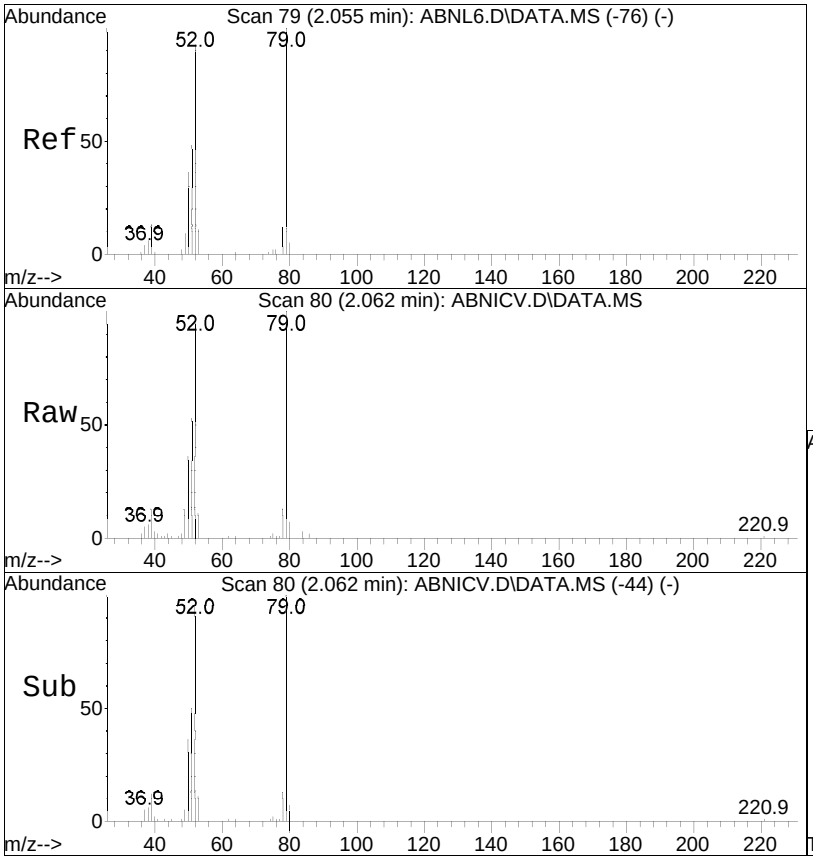


#2
n-Nitrosodimethylamine
Concen: 5.20 ug/ml
RT: 2.004 min Scan# 72
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 74 Resp: 51950

Ion	Ratio	Lower	Upper
74	100		
42	110.7	100.0	150.0
44	7.2	6.7	10.1

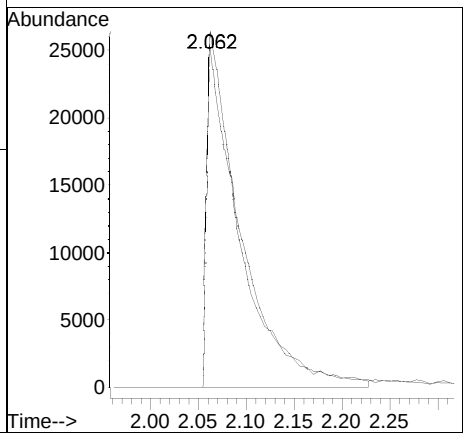


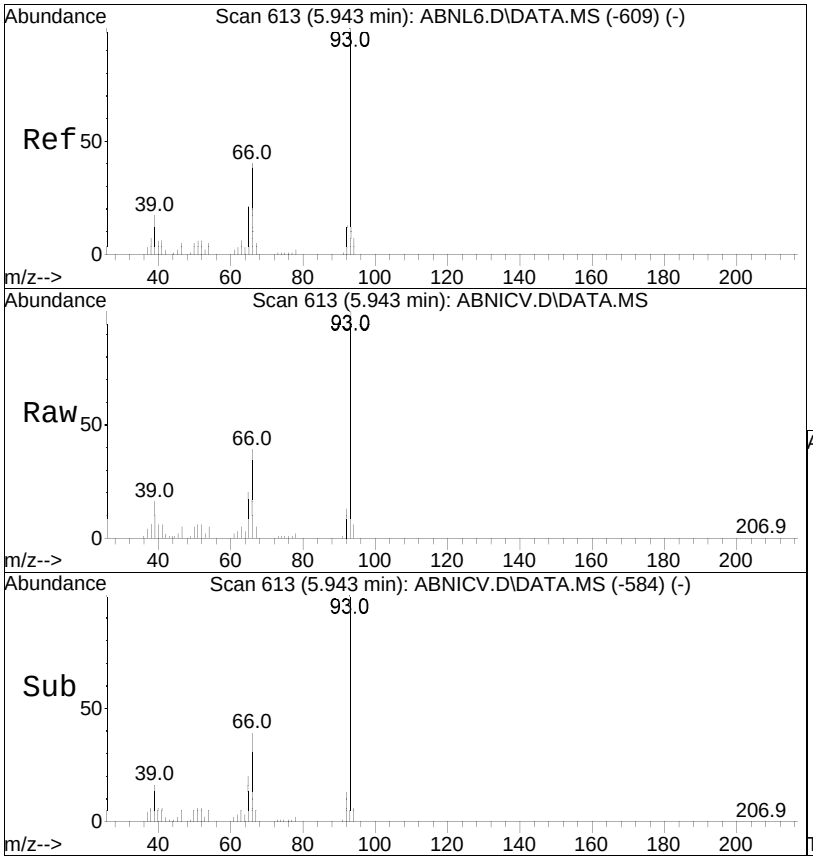


#3
Pyridine
Concen: 3.73 ug/ml
RT: 2.062 min Scan# 80
Delta R.T. 0.007 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 79 Resp: 64794

Ion	Ratio	Lower	Upper
79	100		
52	94.1	93.1	139.7

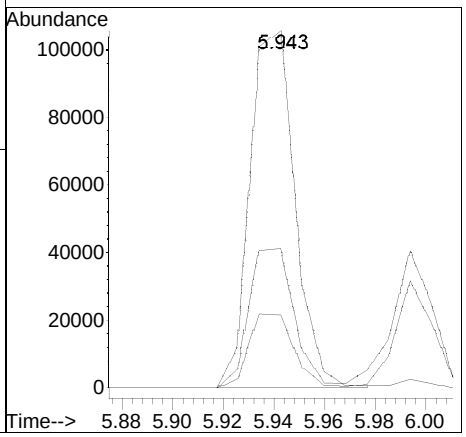


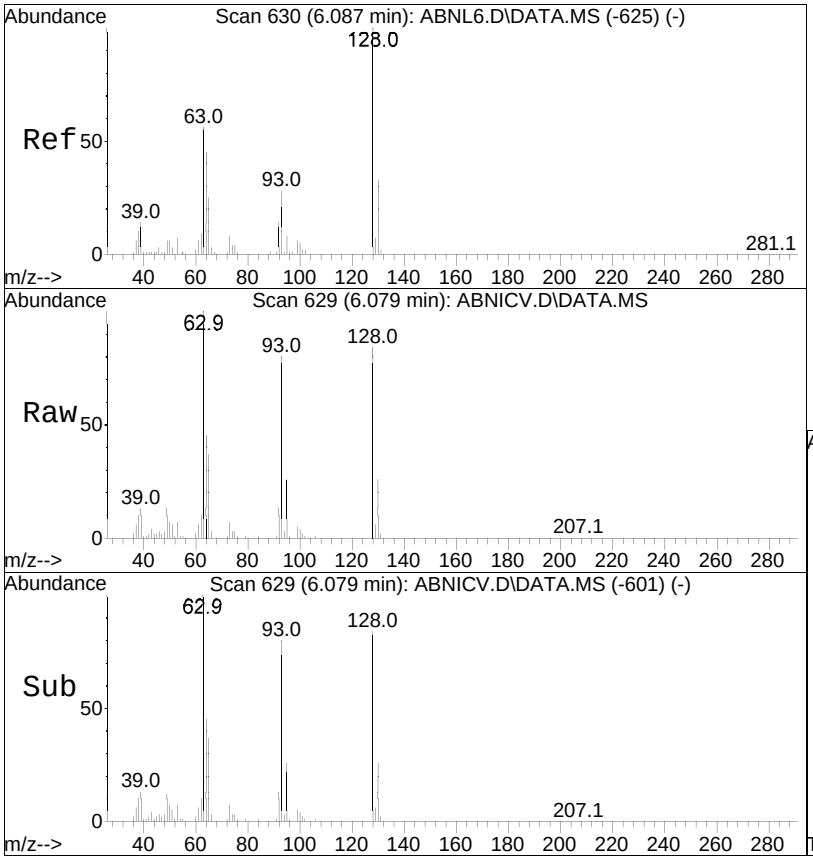


#5
Aniline
Concen: 5.38 ug/ml
RT: 5.943 min Scan# 613
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 93 Resp: 130036

Ion	Ratio	Lower	Upper
93	100		
66	40.0	32.6	49.0
65	21.0	17.6	26.4

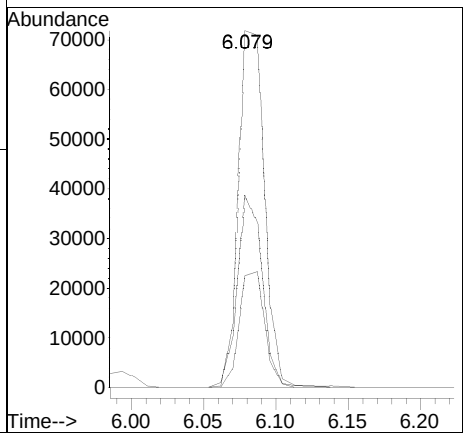


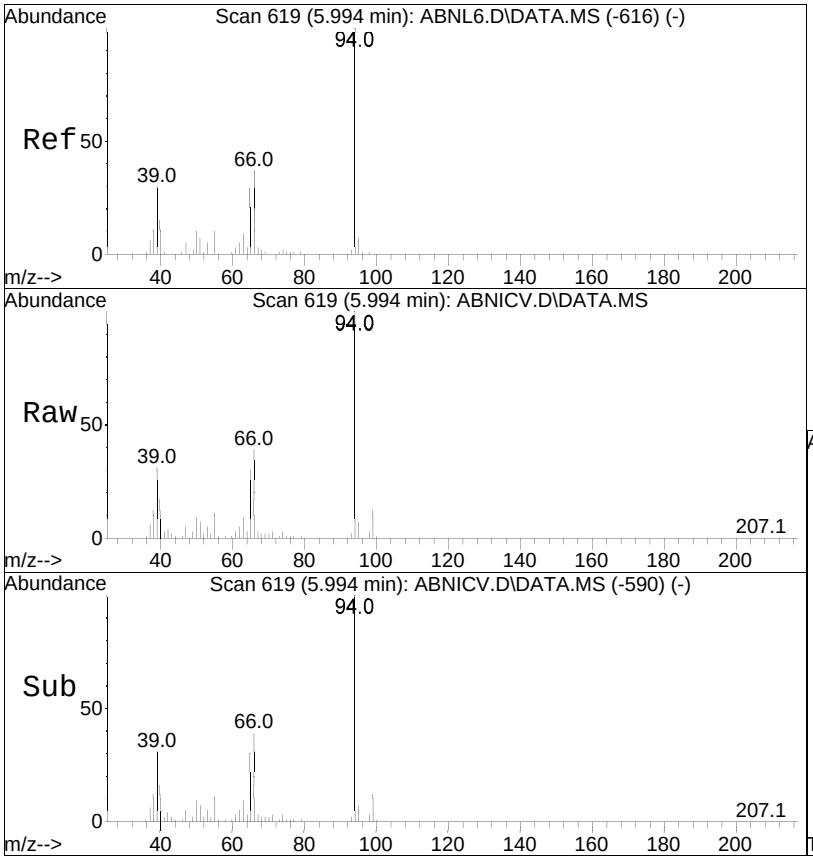


#6
2-Chlorophenol
Concen: 5.30 ug/ml
RT: 6.079 min Scan# 629
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:128 Resp: 89808

Ion	Ratio	Lower	Upper
128	100		
64	51.9	45.1	67.7
130	31.8	26.2	39.4

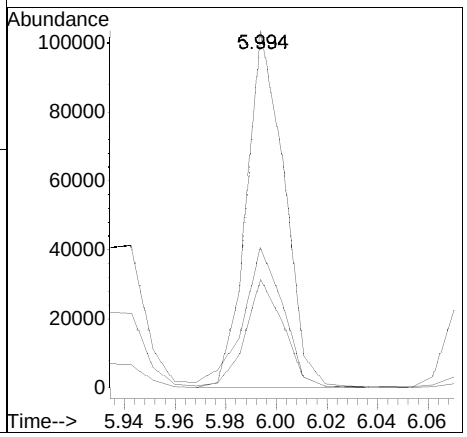


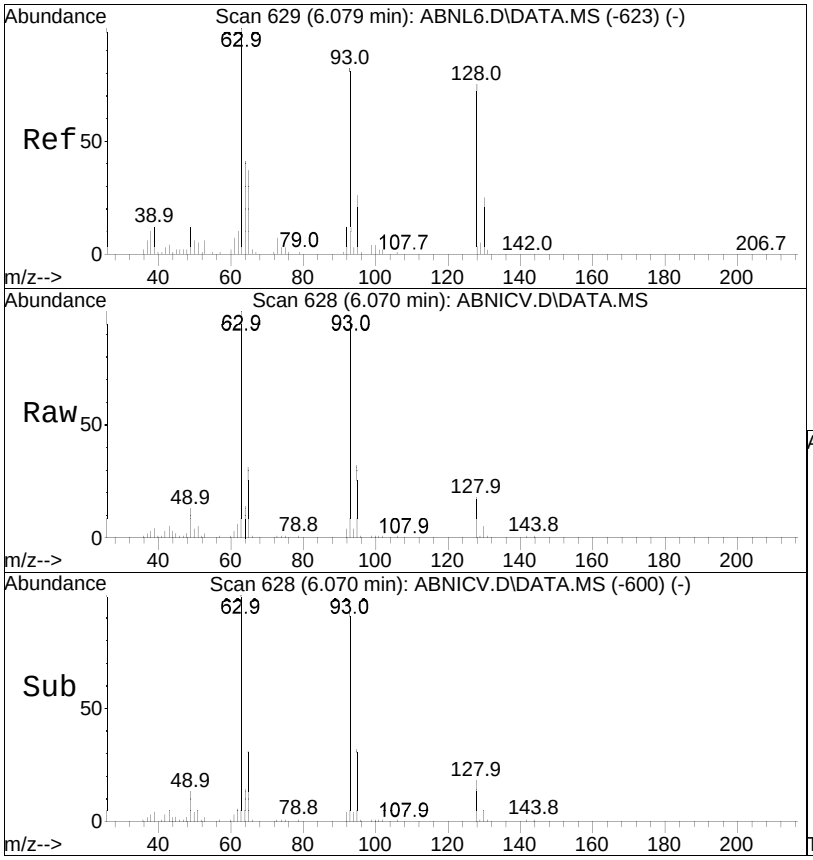


#8
Phenol
Concen: 5.29 ug/ml
RT: 5.994 min Scan# 619
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 94 Resp: 107273

Ion	Ratio	Lower	Upper
94	100		
65	30.9	26.0	39.0
66	42.3	33.8	50.8

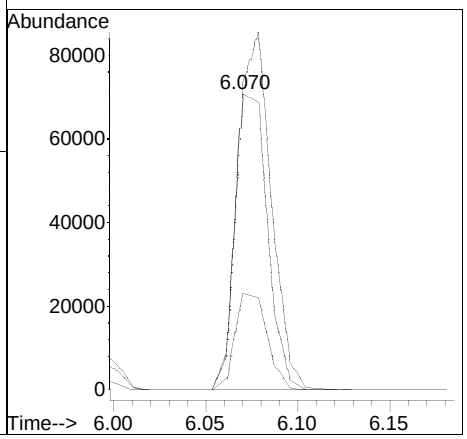


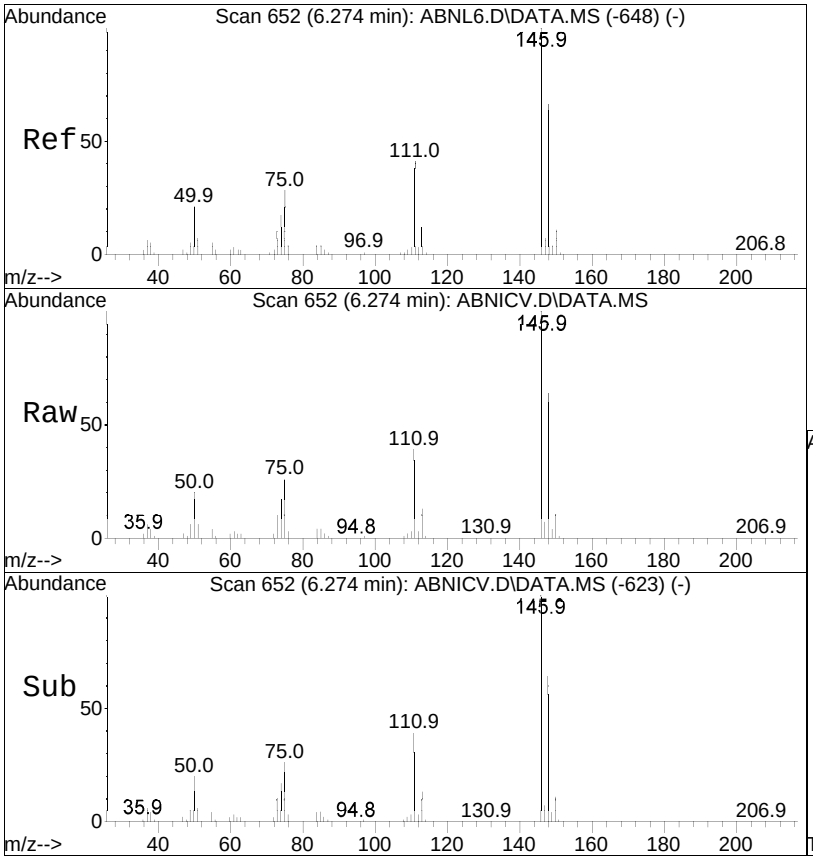


#9
Bis(2-chloroethyl)ether
Concen: 5.33 ug/ml
RT: 6.070 min Scan# 628
Delta R.T. -0.009 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 93 Resp: 85977

Ion	Ratio	Lower	Upper
93	100		
63	125.7	74.6	111.8#
95	32.3	25.9	38.9

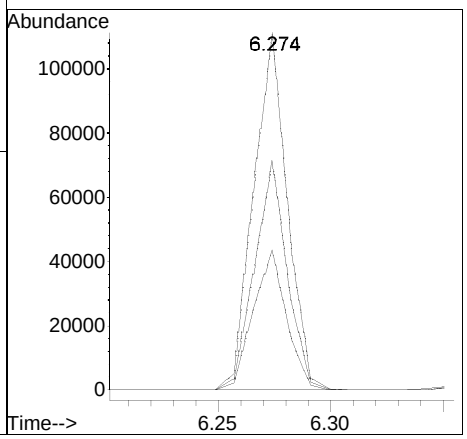


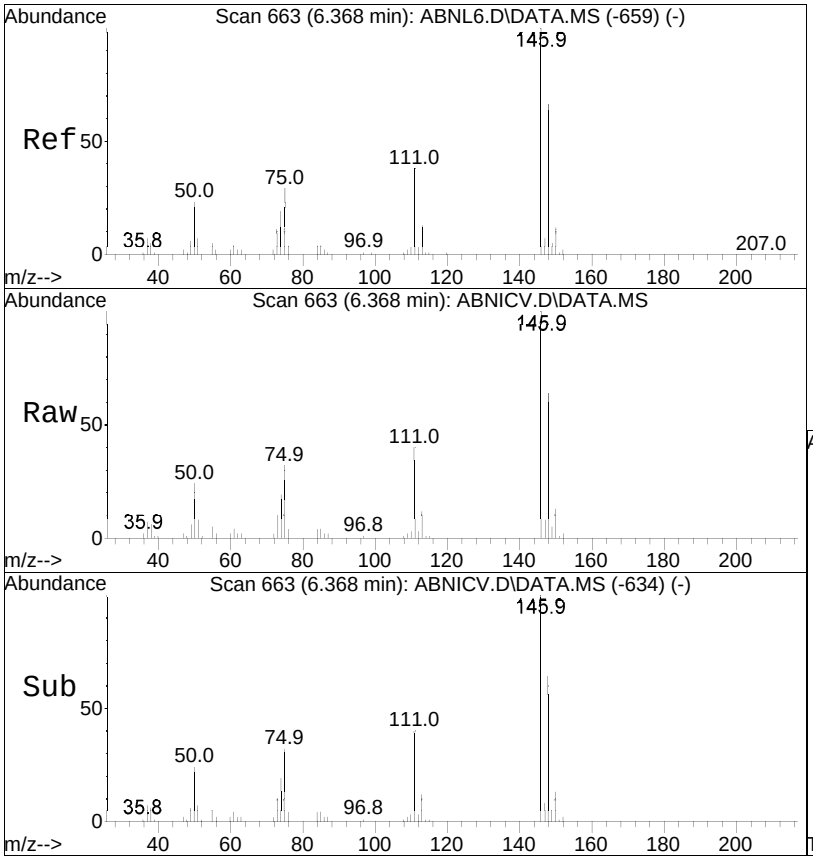


#10
1,3-Dichlorobenzene
Concen: 5.33 ug/ml
RT: 6.274 min Scan# 652
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:146 Resp: 114203

Ion	Ratio	Lower	Upper
146	100		
111	38.9	34.3	51.5
148	62.2	50.8	76.2

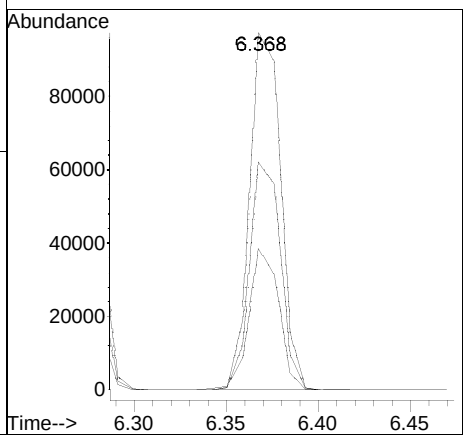


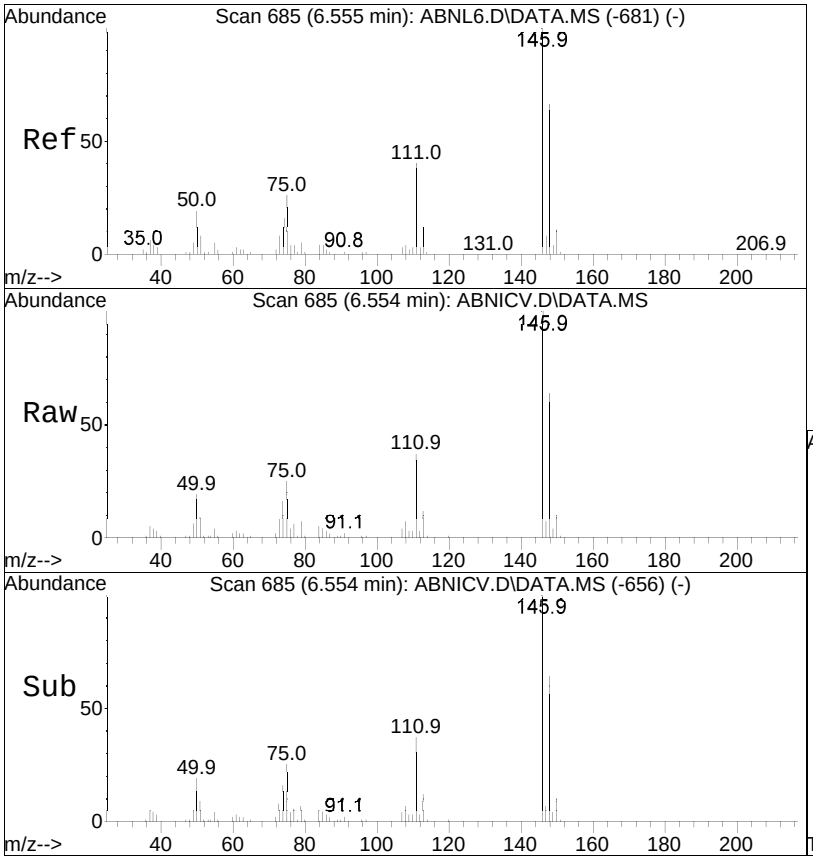


#11
1,4-Dichlorobenzene
Concen: 5.20 ug/ml
RT: 6.368 min Scan# 663
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:146 Resp: 113836

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.7	76.1
111	38.0	33.4	50.0

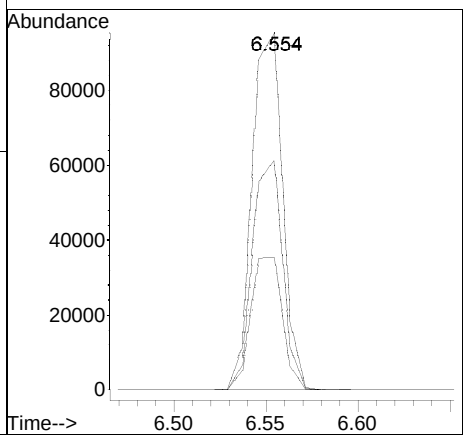


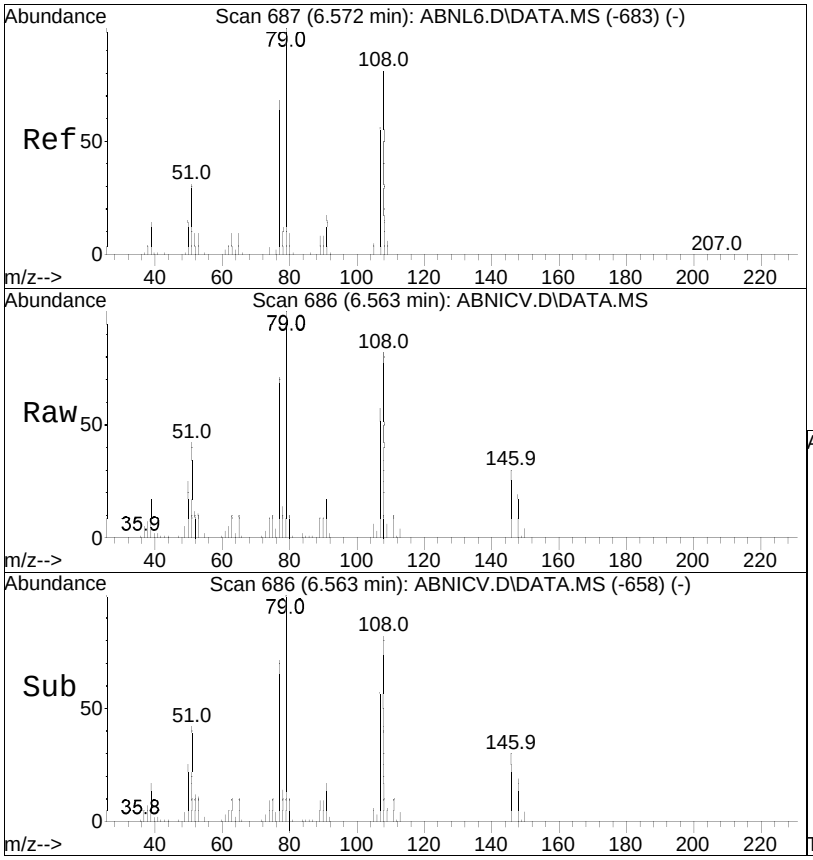


#12
1,2-Dichlorobenzene
Concen: 5.28 ug/ml
RT: 6.554 min Scan# 685
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:146 Resp: 109498

Ion	Ratio	Lower	Upper
146	100		
111	38.4	34.6	52.0
148	63.3	50.2	75.4

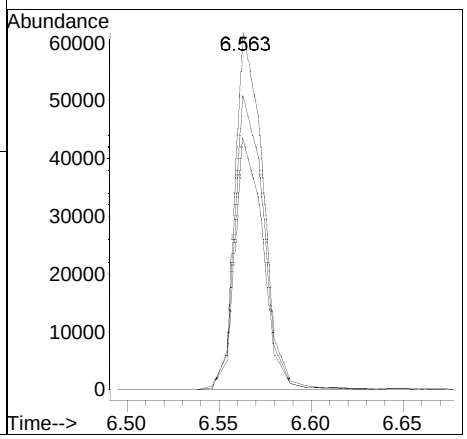


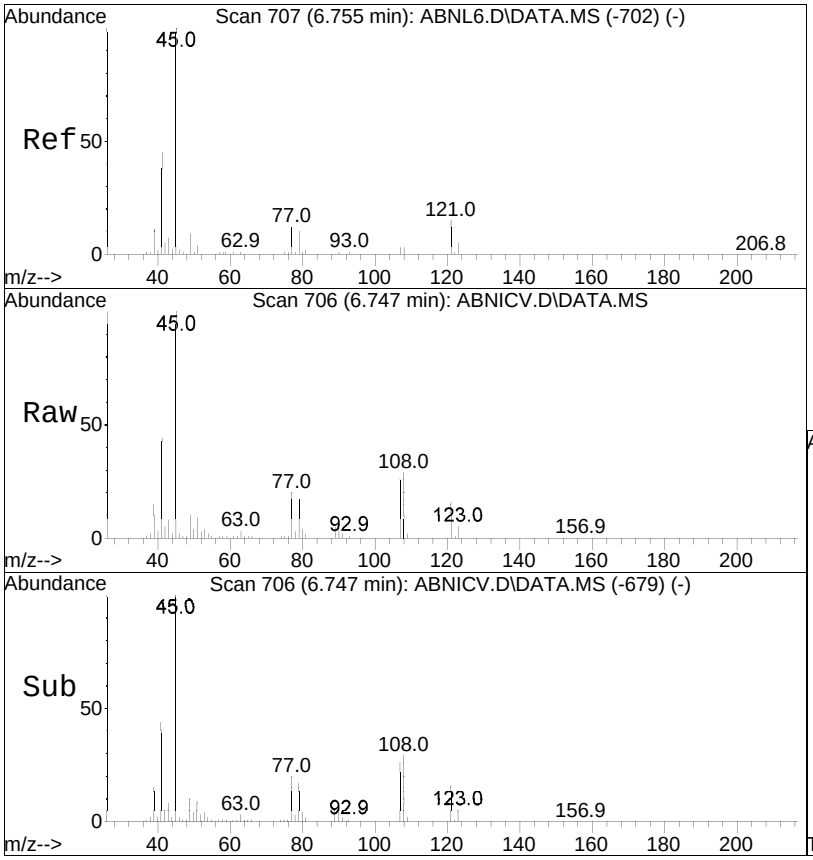


#13
Benzyl alcohol
Concen: 5.16 ug/ml
RT: 6.563 min Scan# 686
Delta R.T. -0.009 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 79 Resp: 65361

Ion	Ratio	Lower	Upper
79	100		
77	70.9	54.9	82.3
108	84.2	63.1	94.7

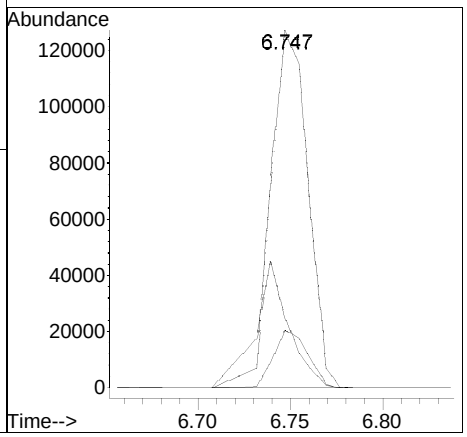


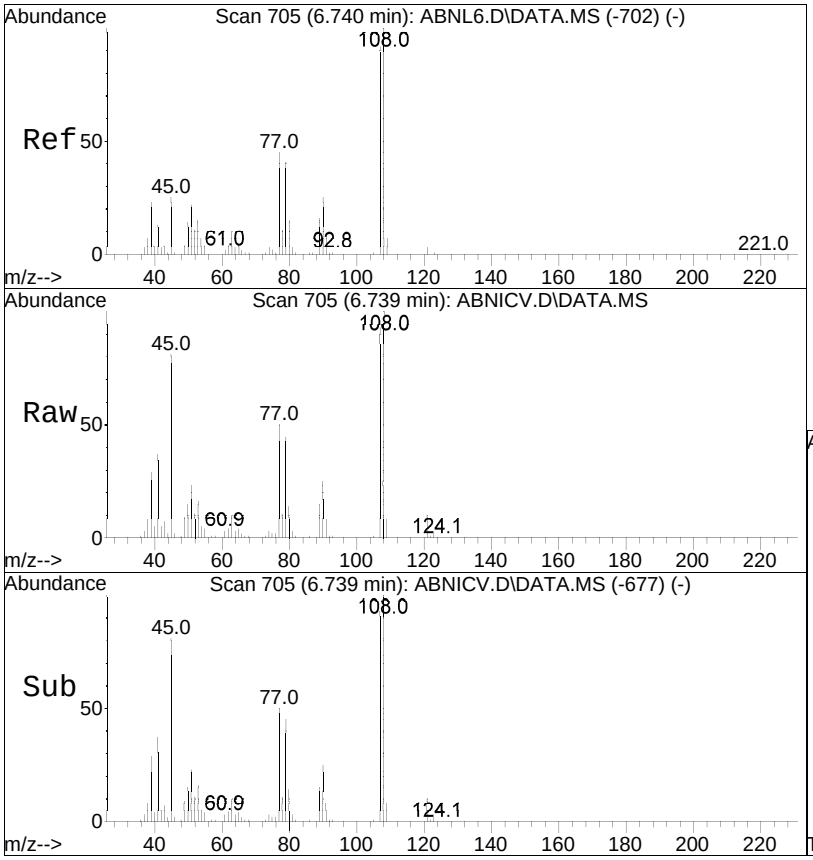


#14
Bis(2-chloroisopropyl)ether
Concen: 5.70 ug/ml
RT: 6.747 min Scan# 706
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 45 Resp: 214270

Ion	Ratio	Lower	Upper
45	100		
121	15.5	9.8	14.6#
77	28.2	6.1	9.1#

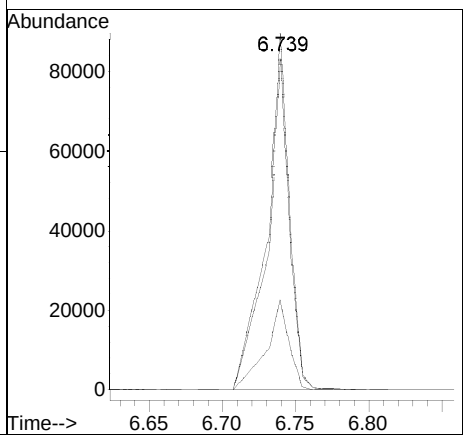


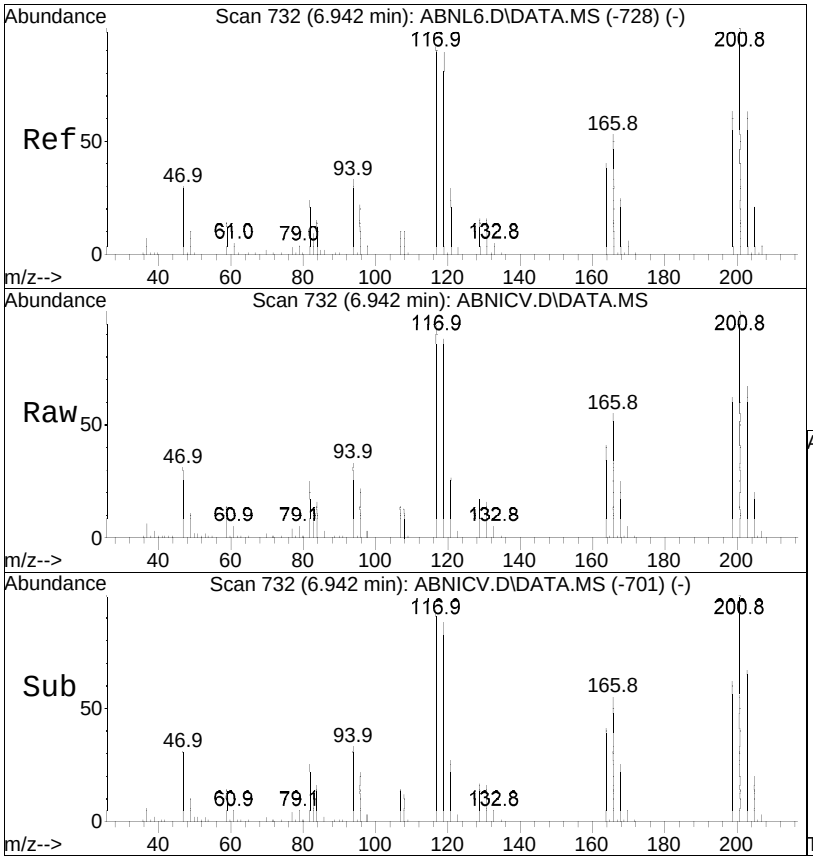


#15
2-Methylphenol
Concen: 5.19 ug/ml
RT: 6.739 min Scan# 705
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:108 Resp: 92542

Ion	Ratio	Lower	Upper
108	100		
107	90.8	70.7	106.1
90	26.6	18.7	28.1

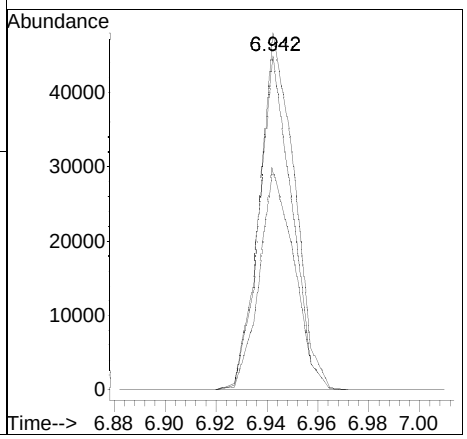


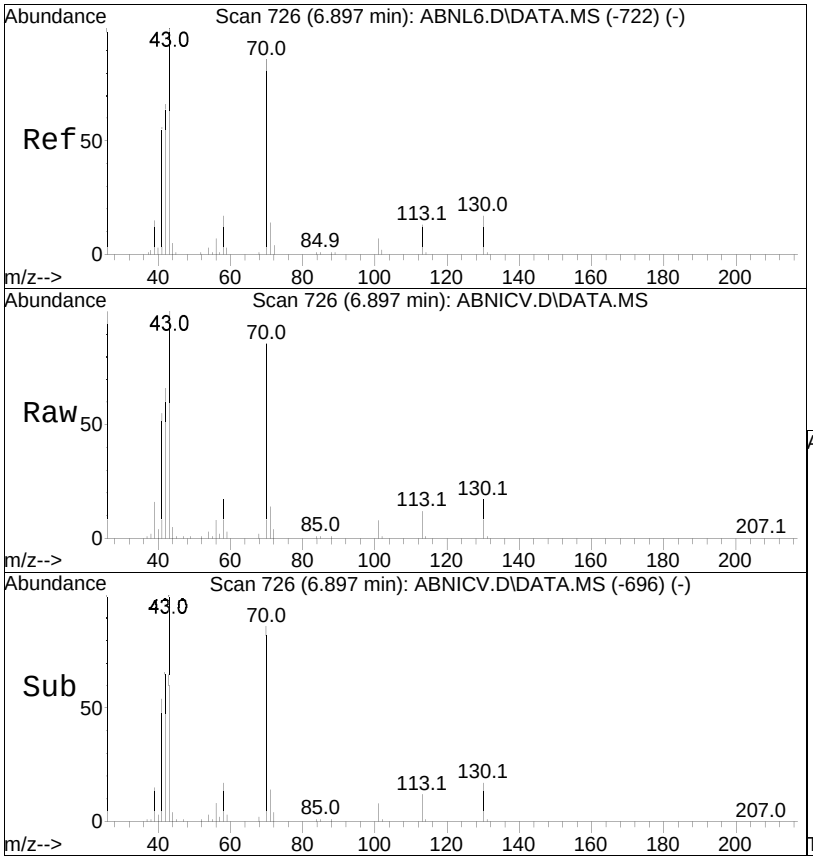


#16
Hexachloroethane
Concen: 5.31 ug/ml
RT: 6.942 min Scan# 732
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:117 Resp: 40367

Ion	Ratio	Lower	Upper
117	100		
201	112.5	58.6	87.8#
199	69.6	36.9	55.3#

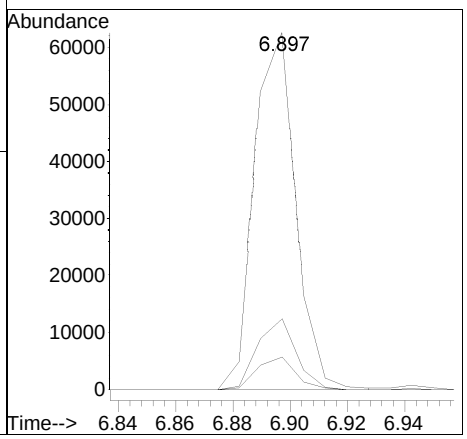


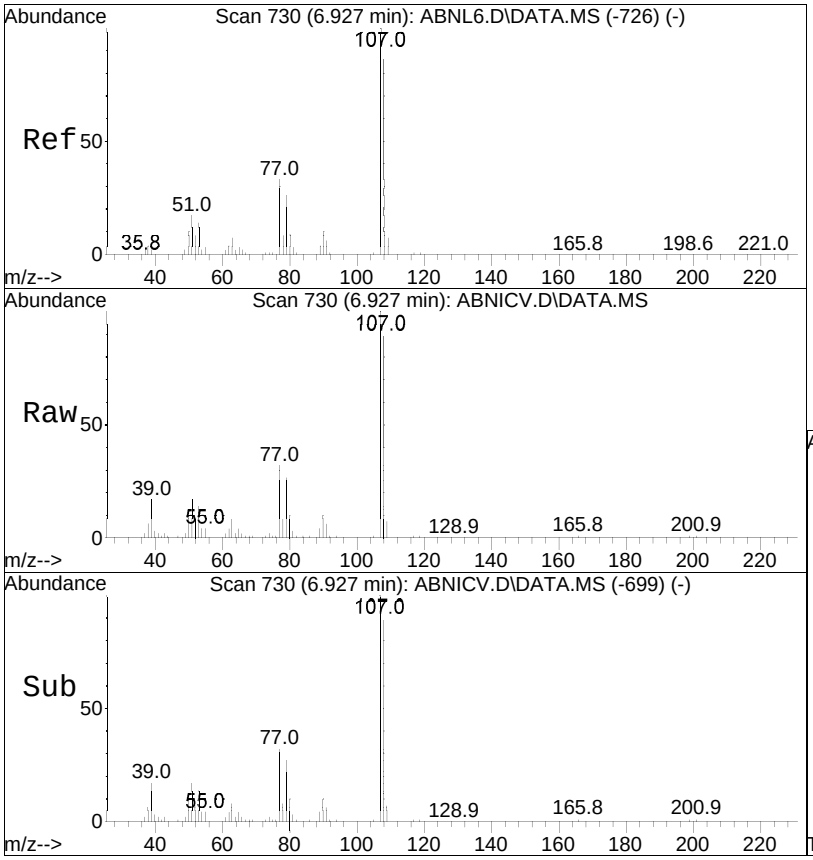


#17
n-Nitrosodi-n-propylamine
Concen: 5.27 ug/ml
RT: 6.897 min Scan# 726
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 70 Resp: 62622

Ion	Ratio	Lower	Upper
70	100		
130	18.5	18.2	27.4
101	8.6	7.8	11.8

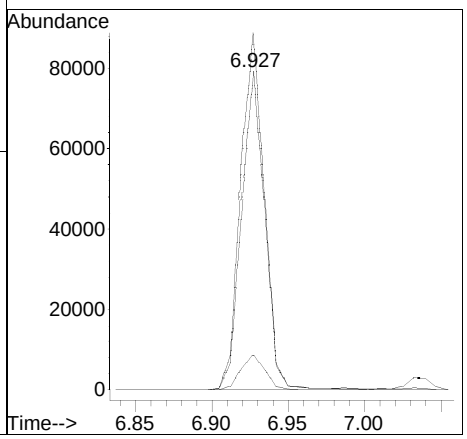


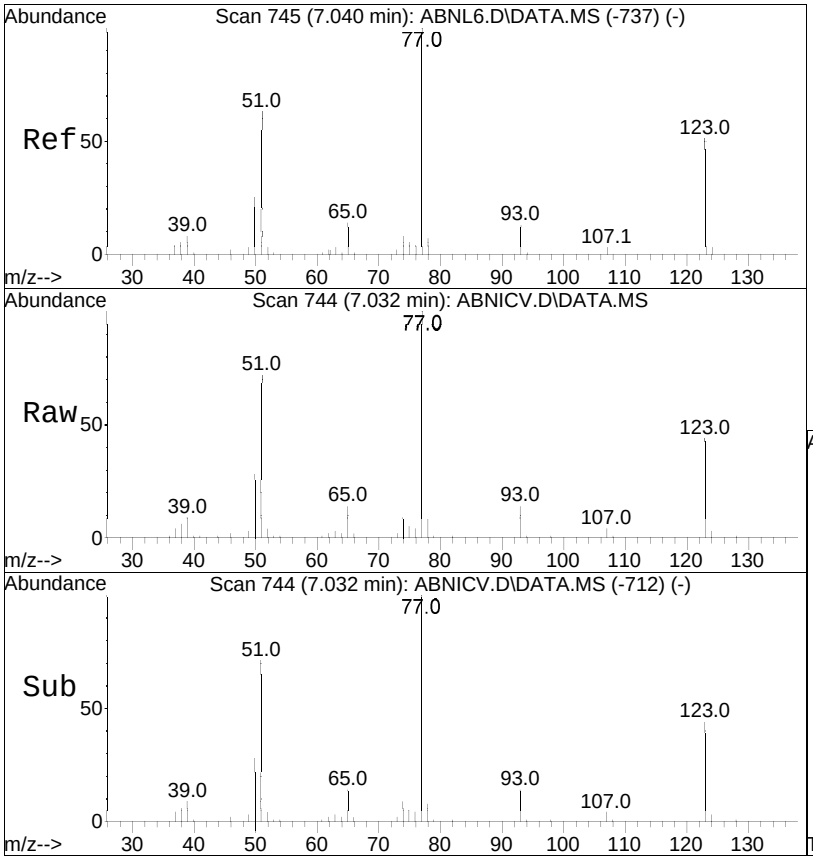


#18
3-Methylphenol/4-Methylphenol
Concen: 5.40 ug/ml
RT: 6.927 min Scan# 730
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:108 Resp: 83330

Ion	Ratio	Lower	Upper
108	100		
107	114.3	88.6	132.8
90	11.5	8.8	13.2

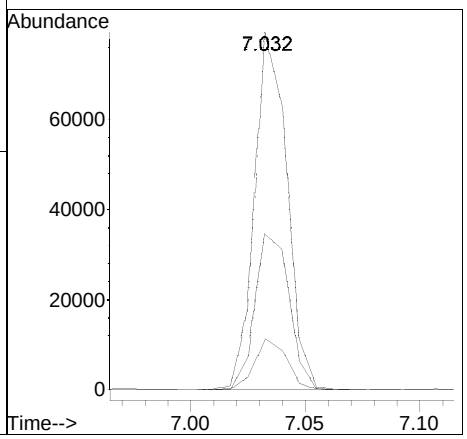


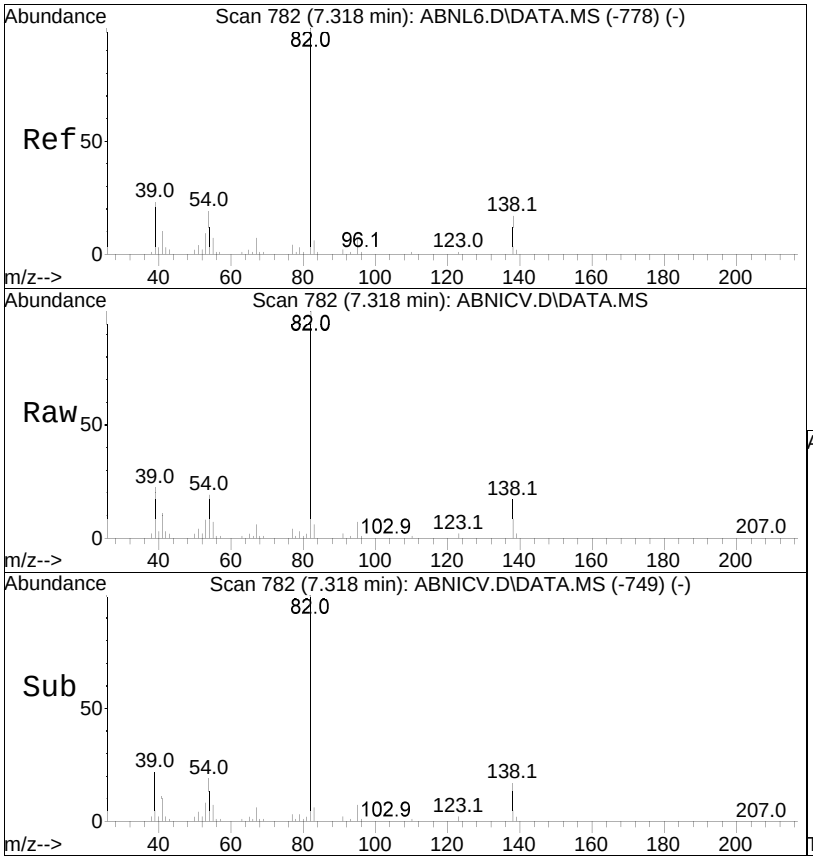


#20
Nitrobenzene
Concen: 5.00 ug/ml
RT: 7.032 min Scan# 744
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 77 Resp: 77805

Ion	Ratio	Lower	Upper
77	100		
123	46.2	36.3	54.5
65	14.7	11.6	17.4

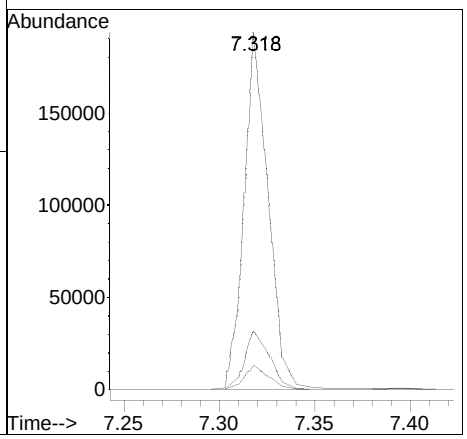


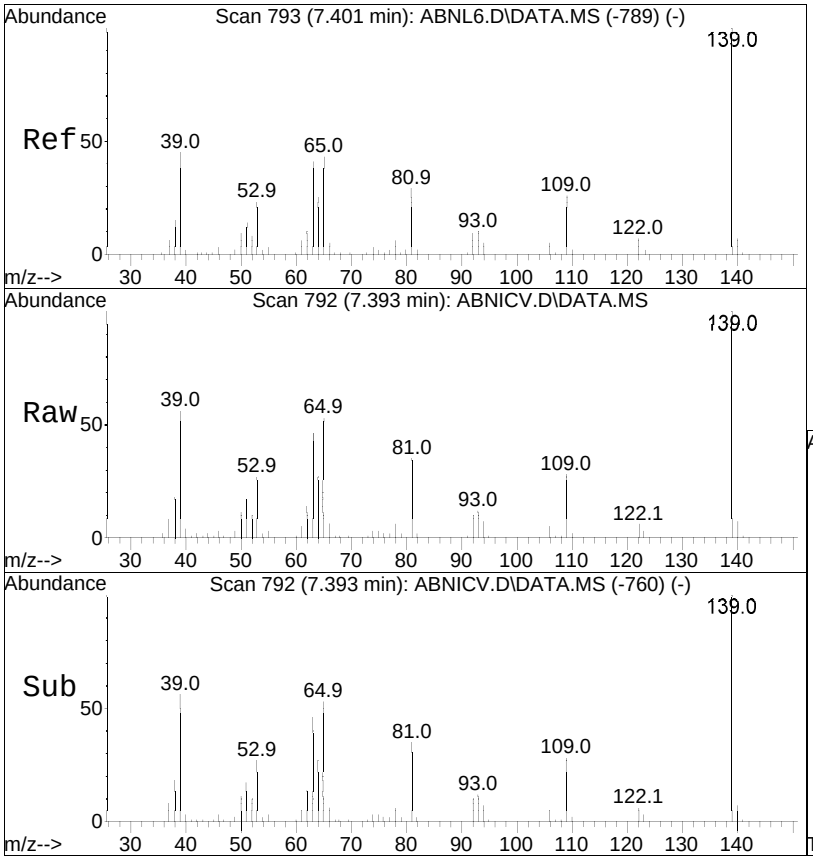


#21
Isophorone
Concen: 5.24 ug/ml
RT: 7.318 min Scan# 782
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 82 Resp: 167265

Ion	Ratio	Lower	Upper
82	100		
138	17.1	14.7	22.1
95	6.9	5.2	7.8

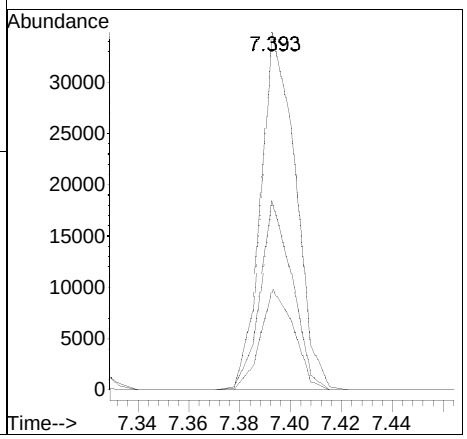


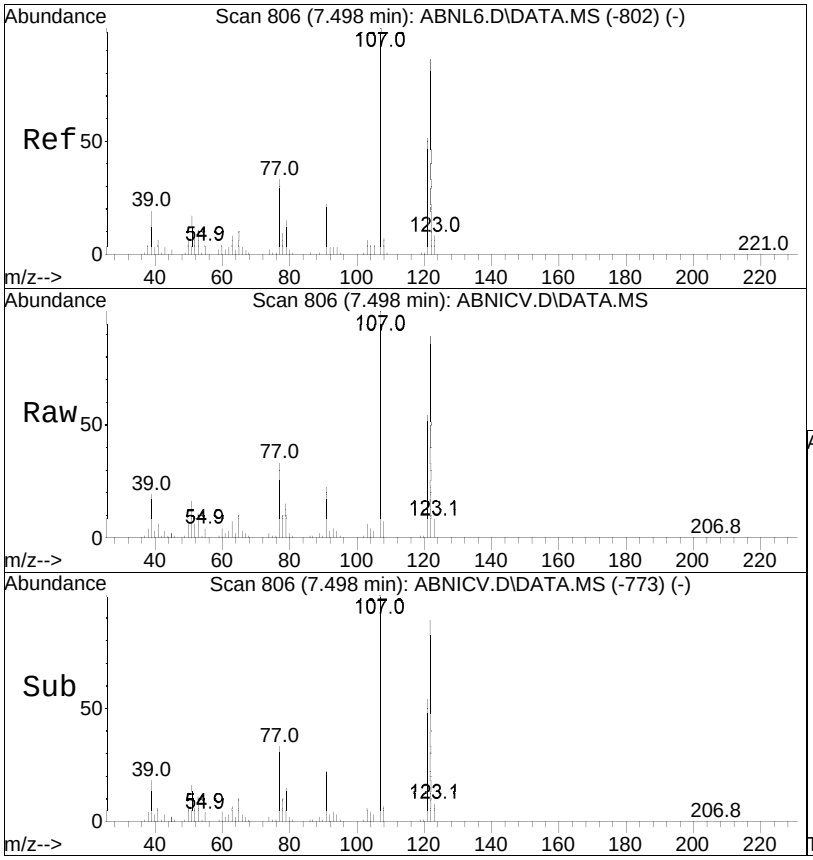


#22
2-Nitrophenol
Concen: 4.64 ug/ml
RT: 7.393 min Scan# 792
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:139 Resp: 32856

Ion	Ratio	Lower	Upper
139	100		
109	27.2	19.4	29.0
65	49.1	46.1	69.1

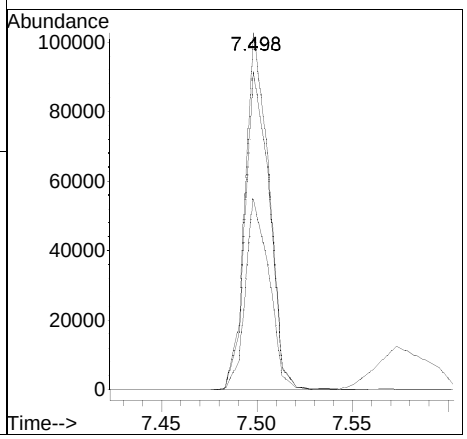


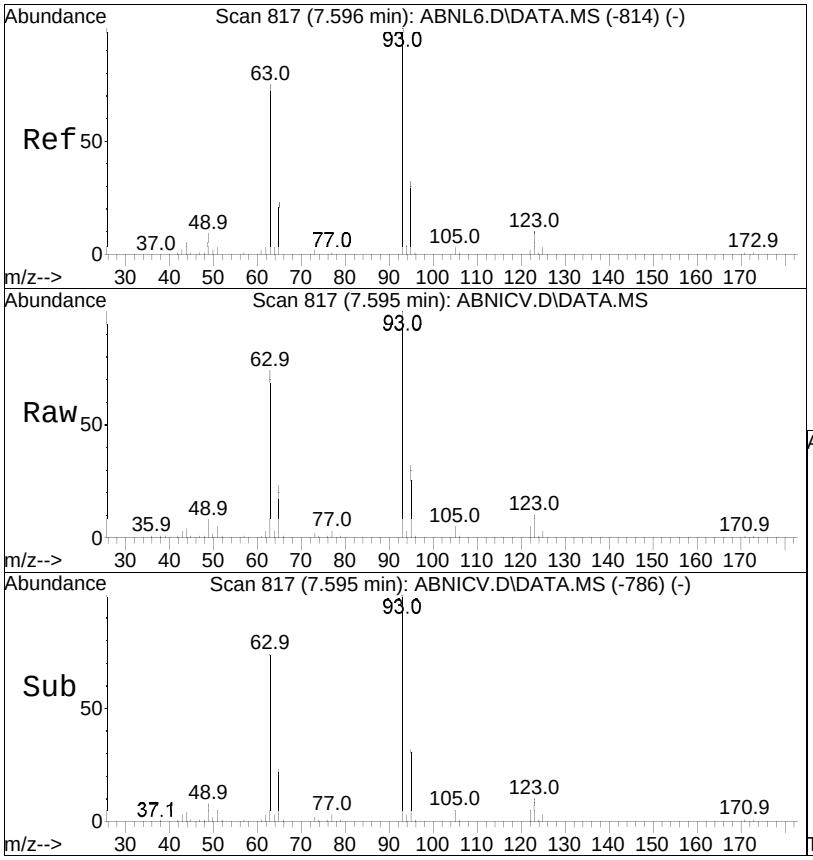


#23
2,4-Dimethylphenol
Concen: 5.35 ug/ml
RT: 7.498 min Scan# 806
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:107 Resp: 89154

Ion	Ratio	Lower	Upper
107	100		
121	53.4	40.0	60.0
122	90.2	70.2	105.4

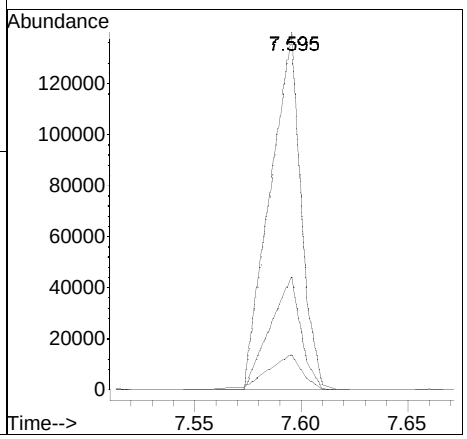


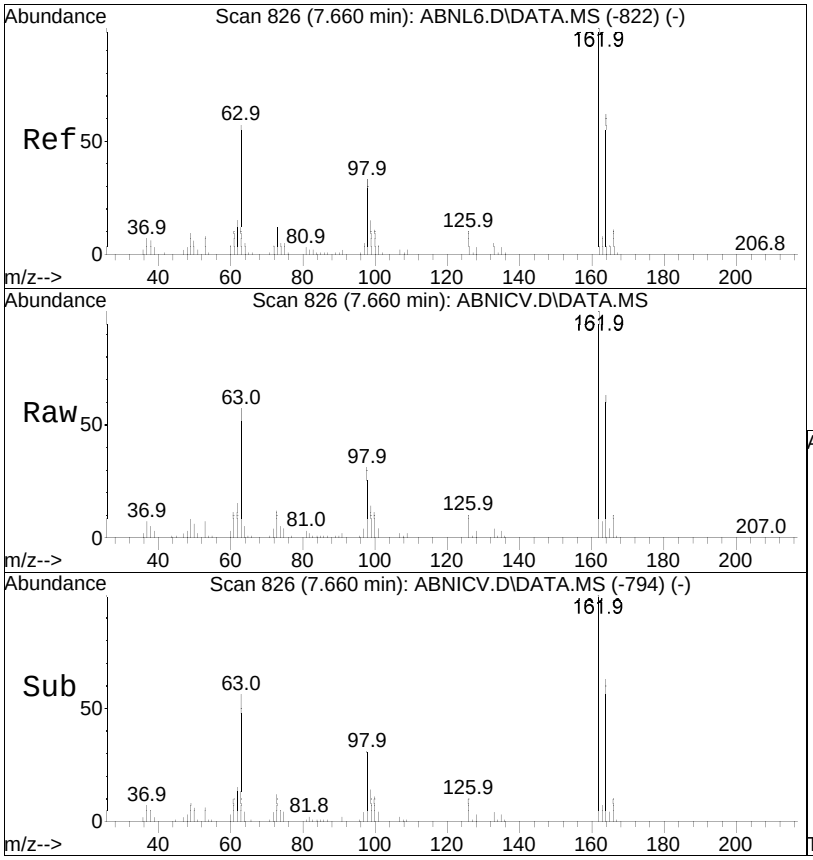


#24
Bis(2-chloroethoxy)methane
Concen: 4.19 ug/ml
RT: 7.595 min Scan# 817
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 93 Resp: 95427

Ion	Ratio	Lower	Upper
93	100		
95	34.3	25.8	38.8
123	11.8	10.1	15.1

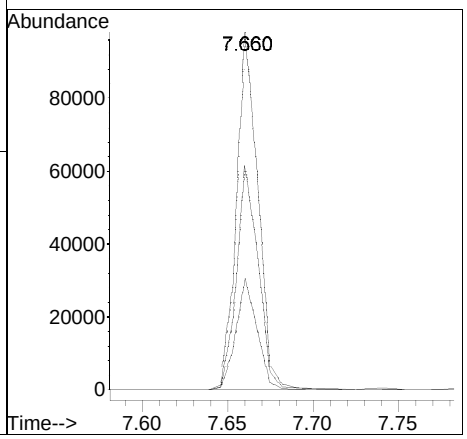


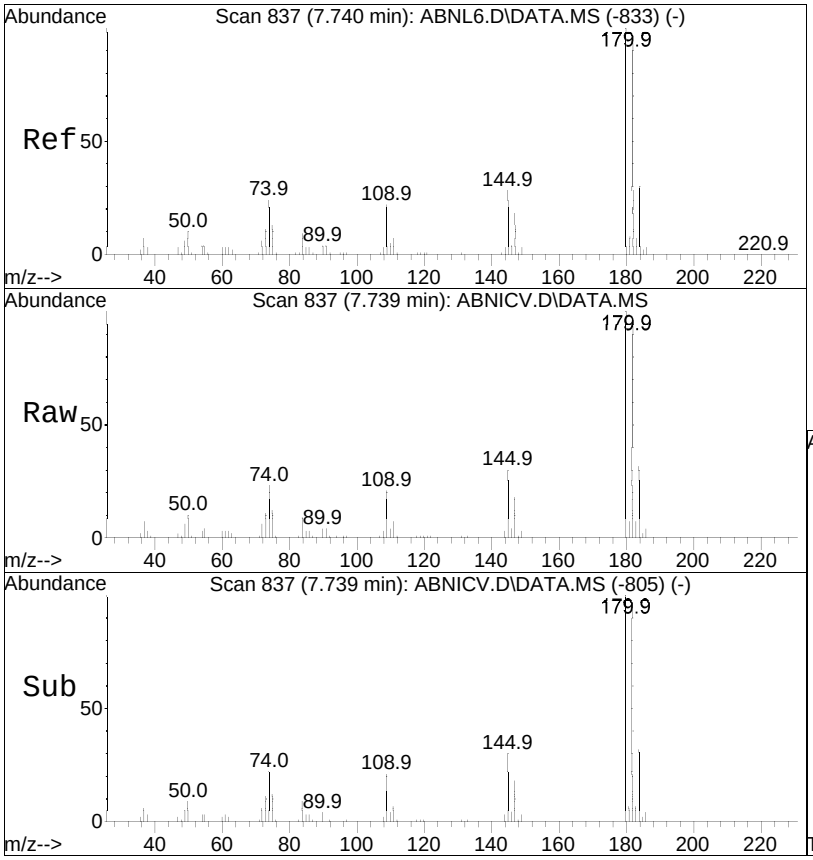


#25
2,4-Dichlorophenol
Concen: 5.34 ug/ml
RT: 7.660 min Scan# 826
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:162 Resp: 84500

Ion	Ratio	Lower	Upper
162	100		
164	63.7	51.0	76.4
98	30.9	32.2	48.2#

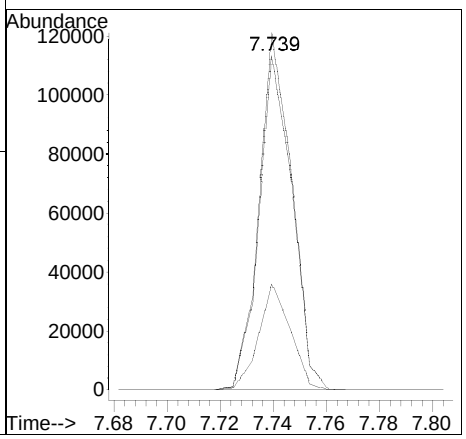


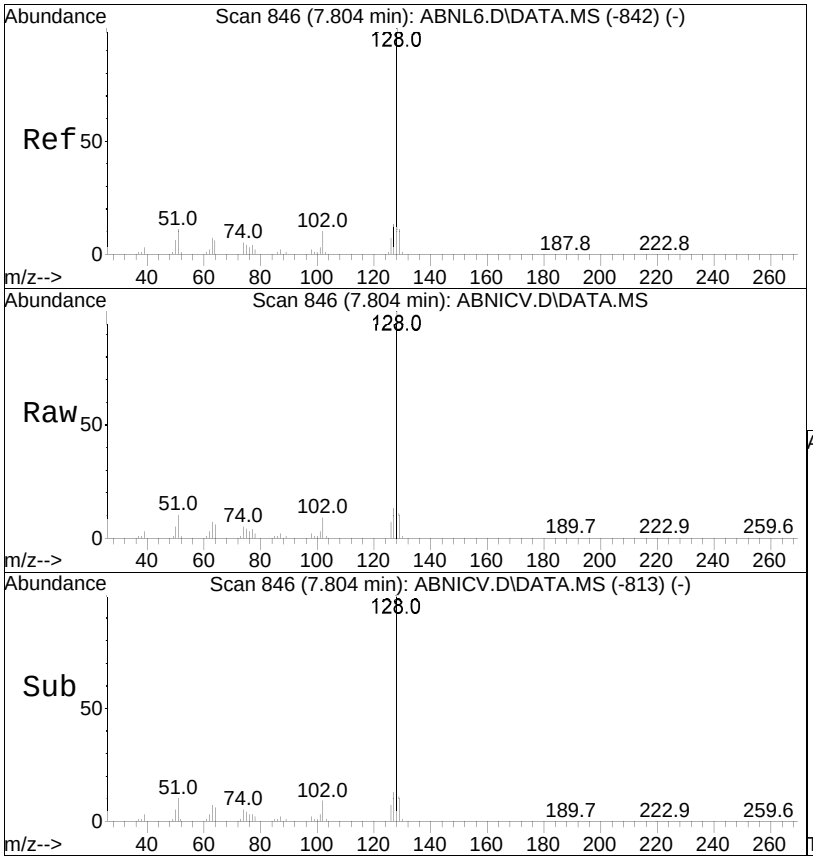


#26
1,2,4-Trichlorobenzene
Concen: 5.09 ug/ml
RT: 7.739 min Scan# 837
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:180 Resp: 103236

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.0	114.0
145	28.9	25.7	38.5

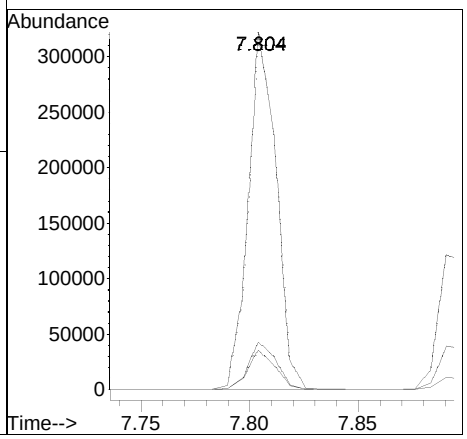


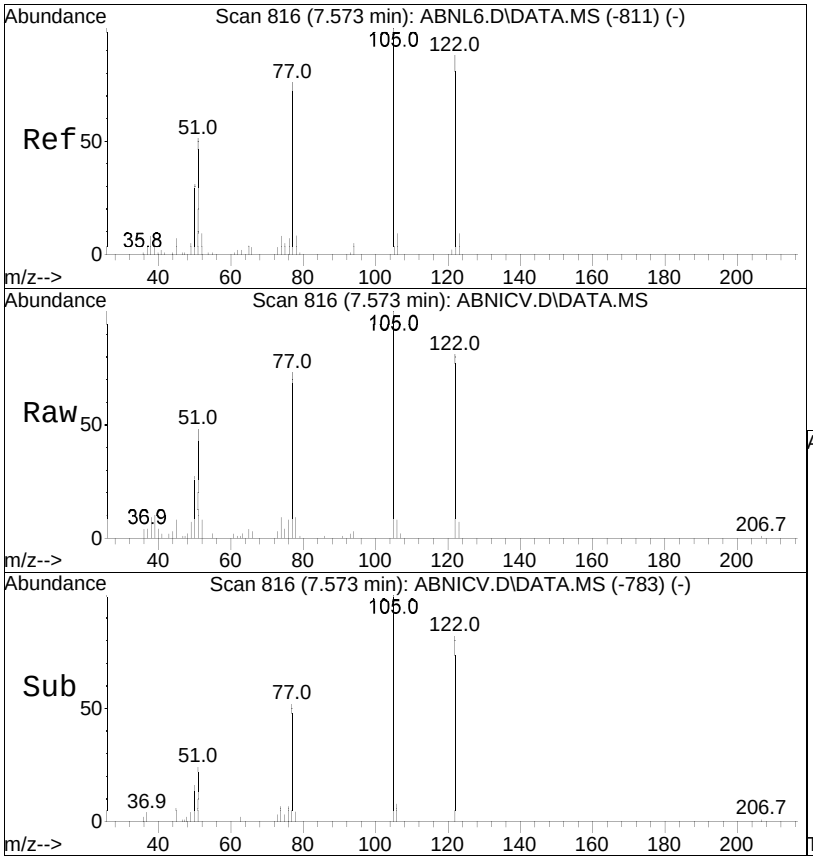


#36
Naphthalene
Concen: 5.20 ug/ml
RT: 7.804 min Scan# 846
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:128 Resp: 286040

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.7	13.1
127	13.3	10.3	15.5

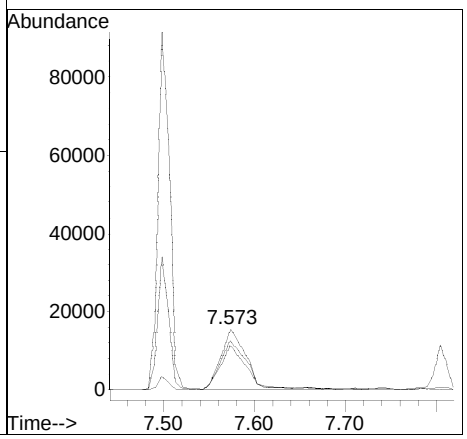


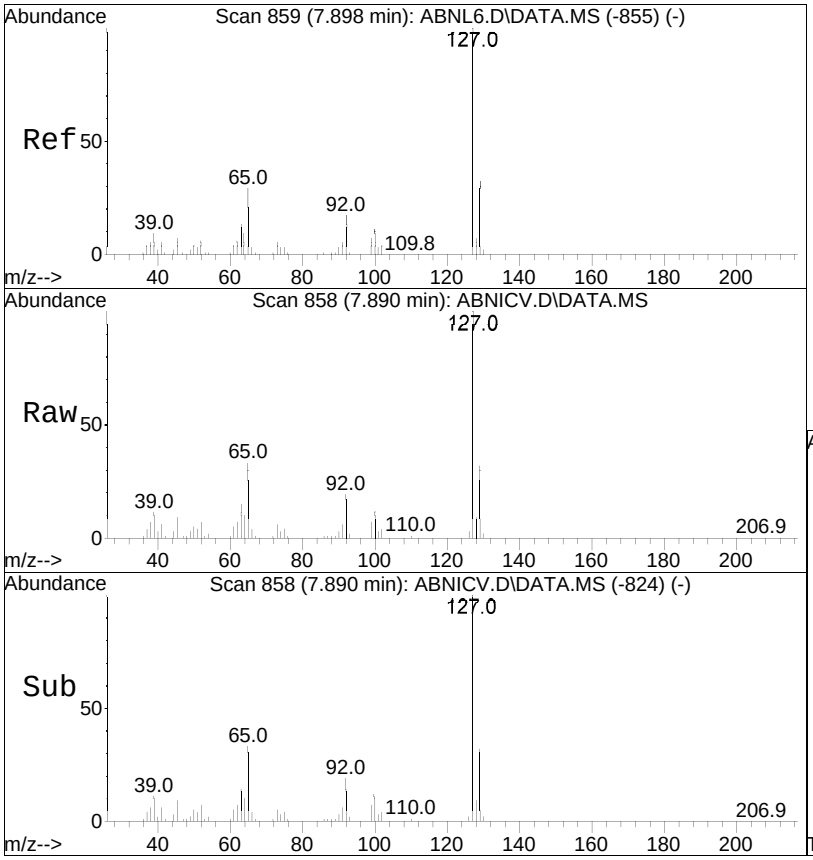


#37
Benzoic Acid
Concen: 3.50 ug/ml
RT: 7.573 min Scan# 816
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:105 Resp: 23560

Ion	Ratio	Lower	Upper
105	100		
122	80.2	59.9	89.9
77	74.8	60.1	90.1

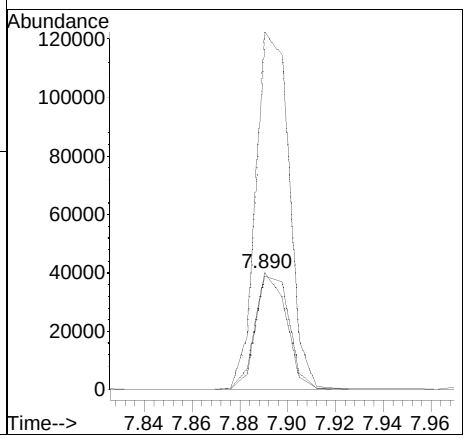


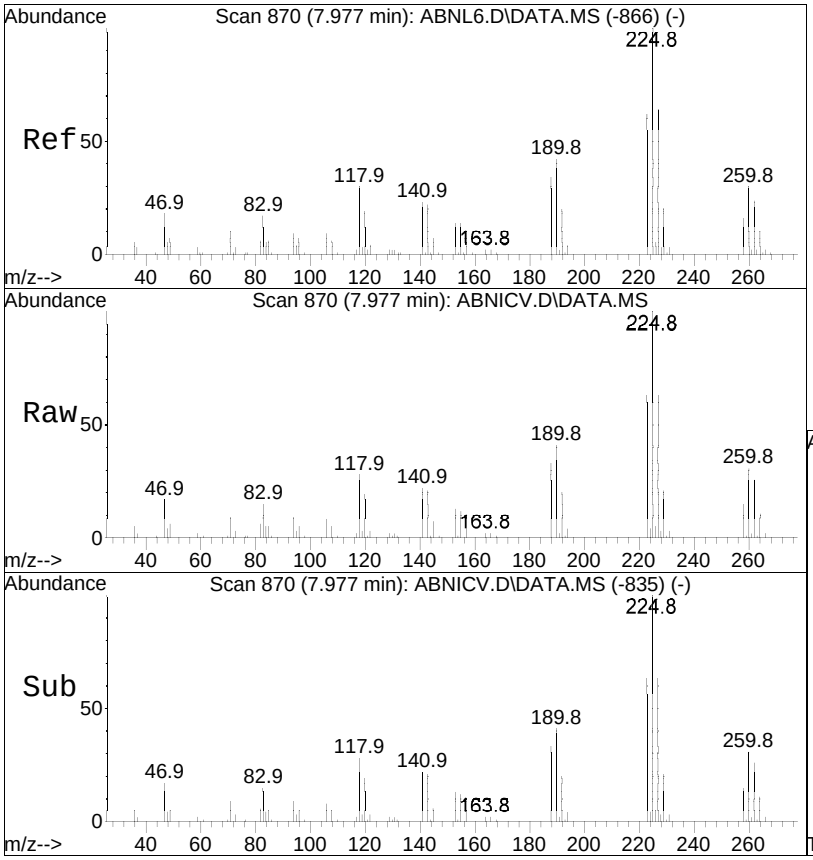


#38
4-Chloroaniline
Concen: 5.36 ug/ml
RT: 7.890 min Scan# 858
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 65 Resp: 36407

Ion	Ratio	Lower	Upper
65	100		
127	325.0	237.6	356.4
129	103.6	76.3	114.5

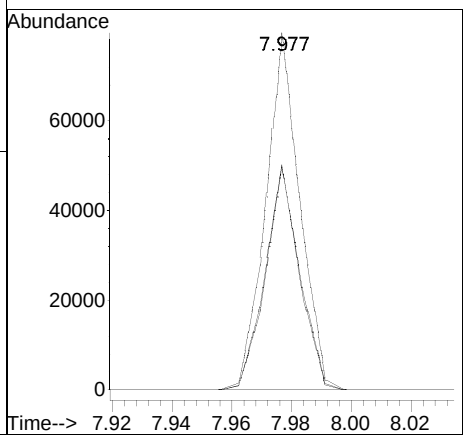


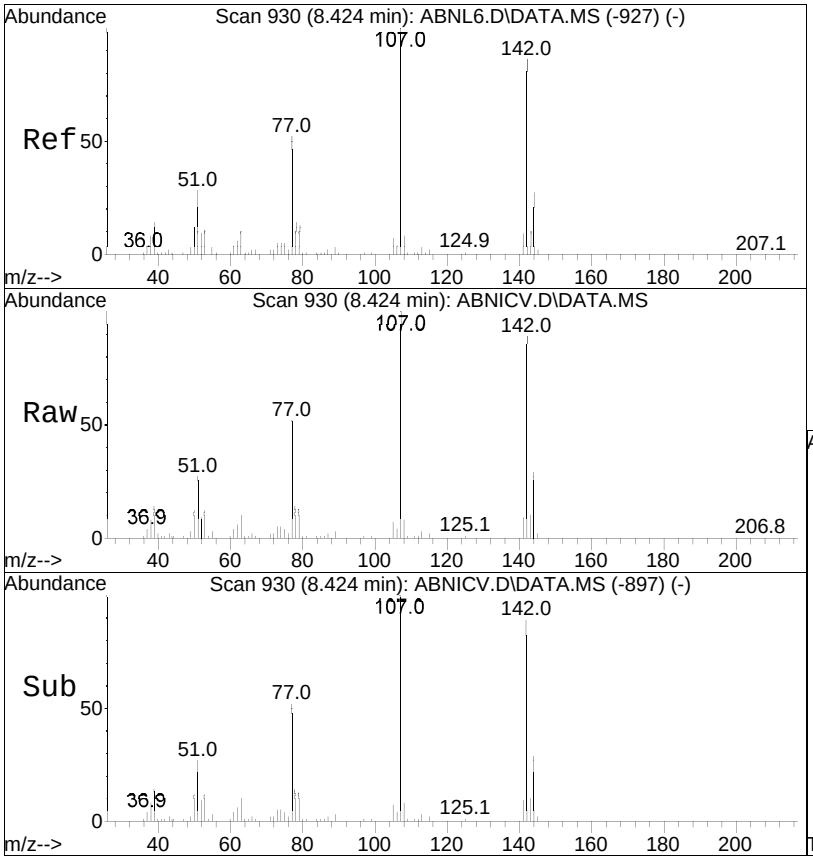


#39
Hexachlorobutadiene
Concen: 4.98 ug/ml
RT: 7.977 min Scan# 870
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:225 Resp: 62724

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.3	75.5
227	63.0	52.2	78.2

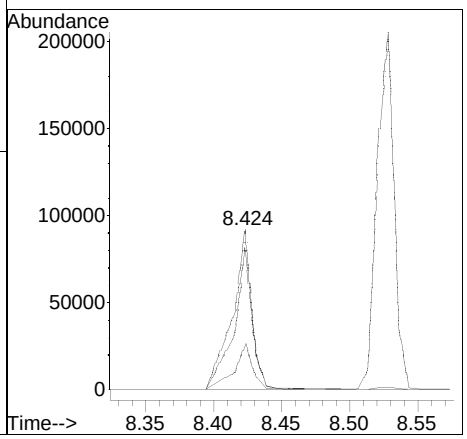


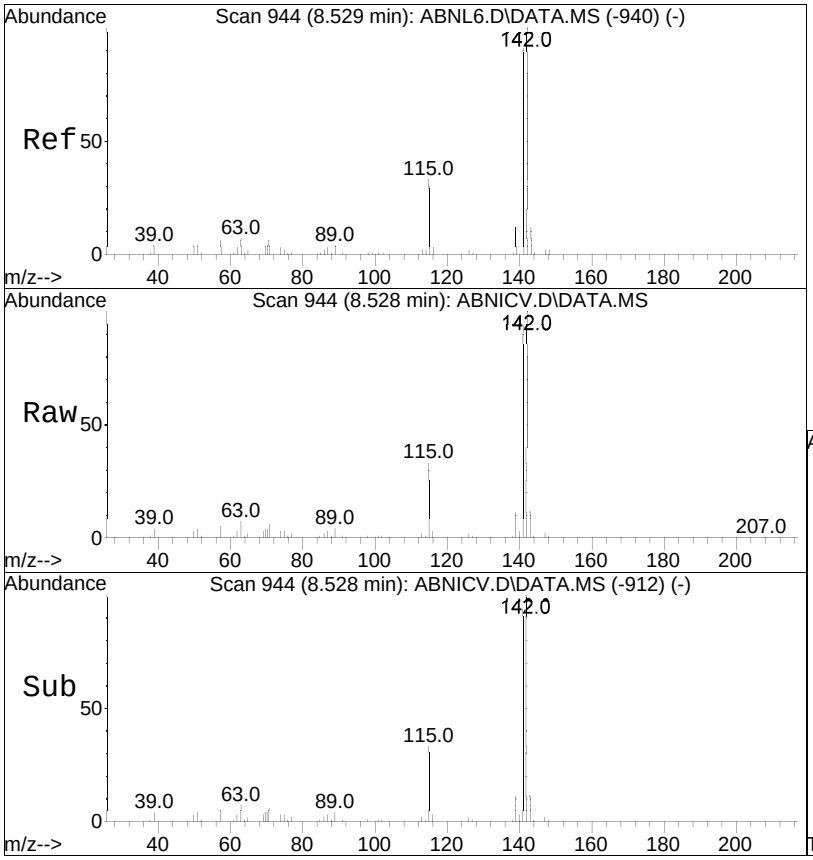


#40
p-Chloro-m-cresol
Concen: 4.93 ug/ml
RT: 8.424 min Scan# 930
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:107 Resp: 82686

Ion	Ratio	Lower	Upper
107	100		
144	29.2	20.9	31.3
142	86.8	66.1	99.1

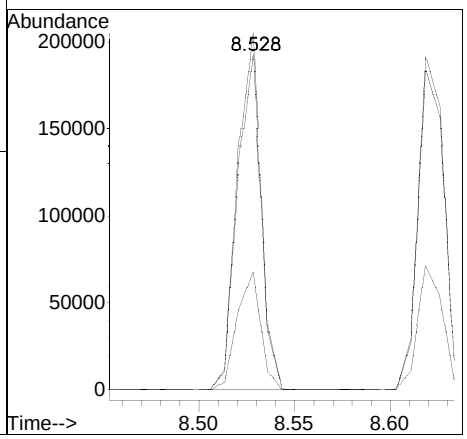


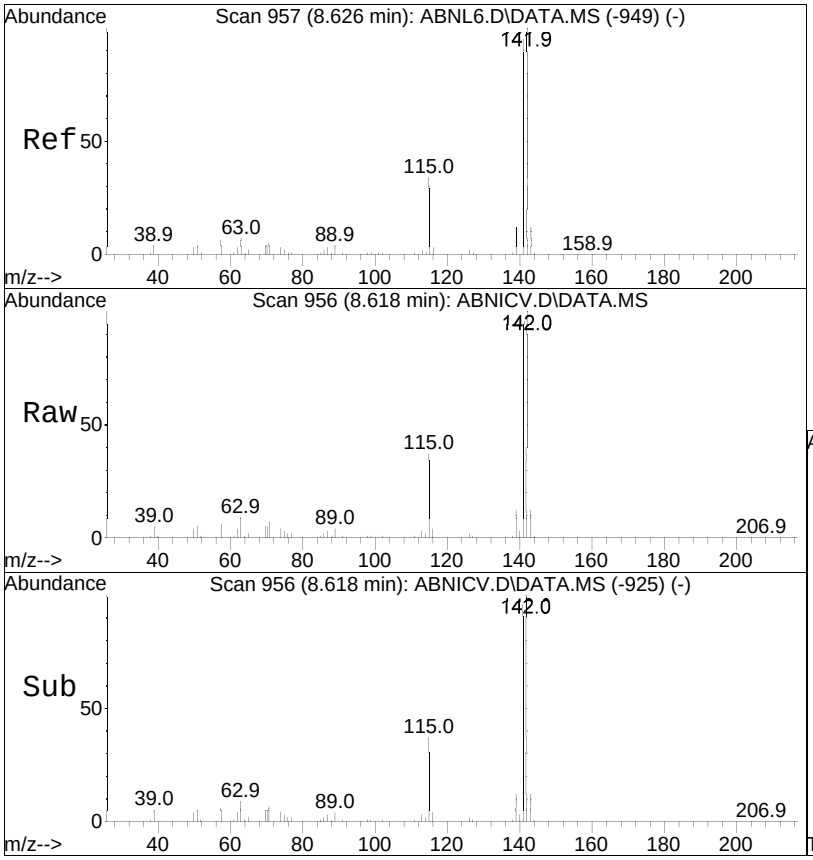


#41
2-Methylnaphthalene
Concen: 5.38 ug/ml
RT: 8.528 min Scan# 944
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:142 Resp: 176905

Ion	Ratio	Lower	Upper
142	100		
141	93.5	69.6	104.4
115	32.9	26.6	40.0

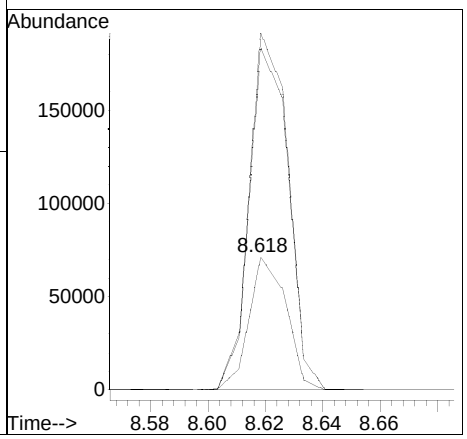


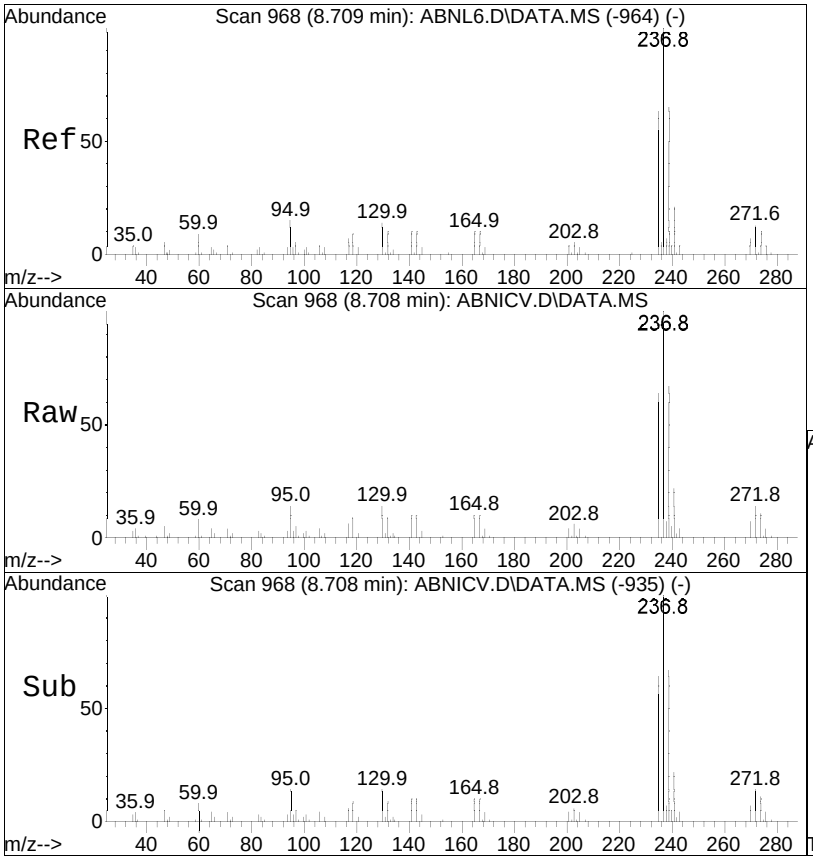


#42
1-Methylnaphthalene
Concen: 5.10 ug/ml
RT: 8.618 min Scan# 956
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:115 Resp: 64481

Ion	Ratio	Lower	Upper
115	100		
141	269.0	207.8	311.6
142	280.2	226.8	340.2

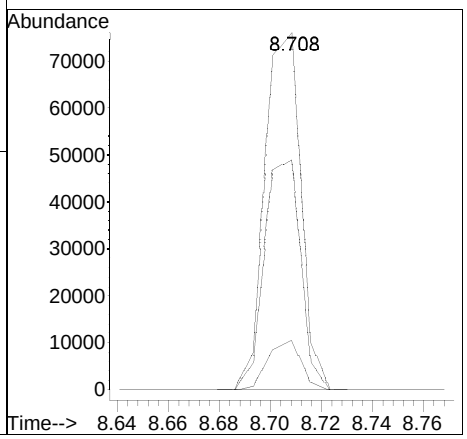


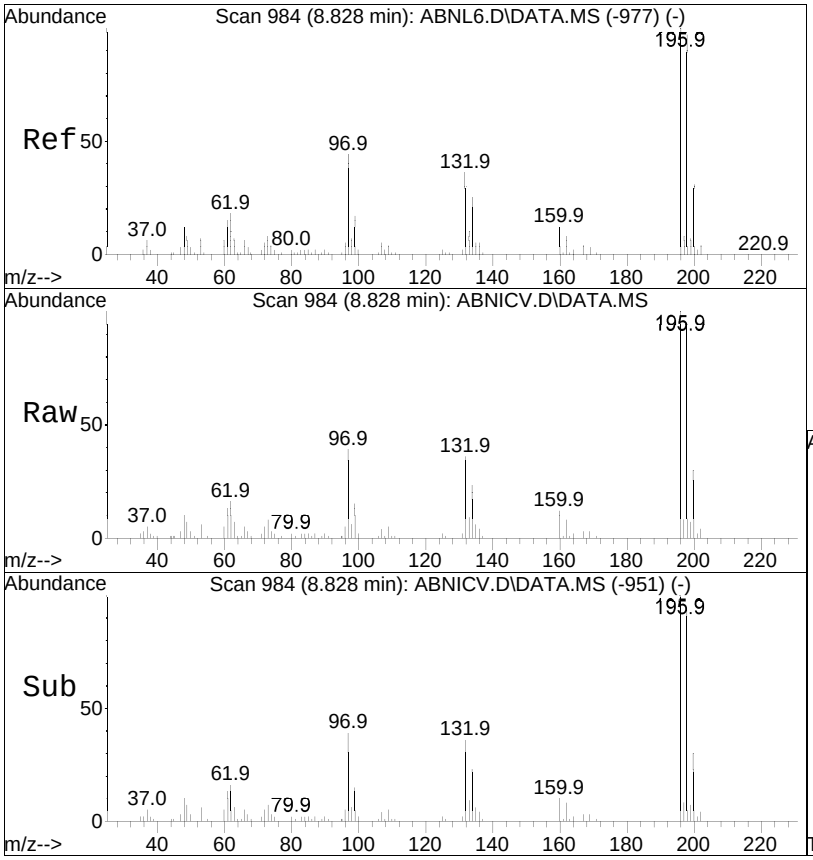


#43
Hexachlorocyclopentadiene
Concen: 4.82 ug/ml
RT: 8.708 min Scan# 968
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:237 Resp: 74521

Ion	Ratio	Lower	Upper
237	100		
235	64.8	49.7	74.5
272	12.9	9.8	14.6

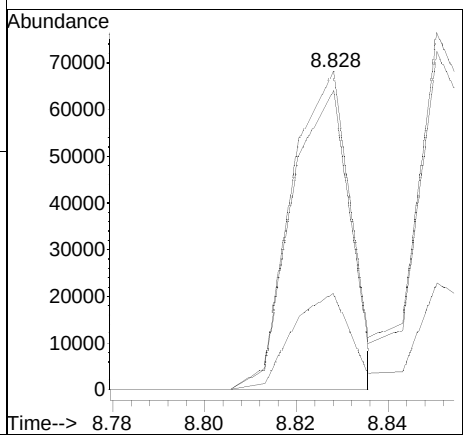


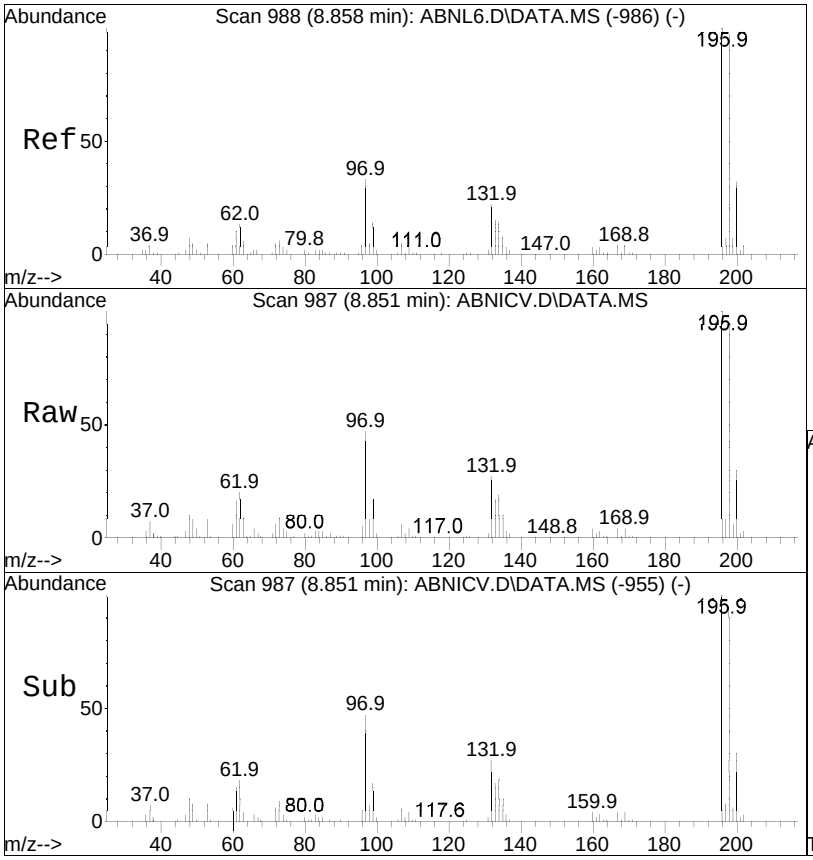


#44
2,4,6-Trichlorophenol
Concen: 4.77 ug/ml
RT: 8.828 min Scan# 984
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:196 Resp: 61811

Ion	Ratio	Lower	Upper
196	100		
198	93.5	77.5	116.3
200	30.0	23.8	35.6

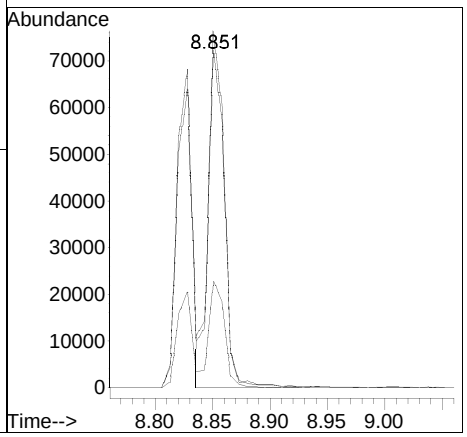


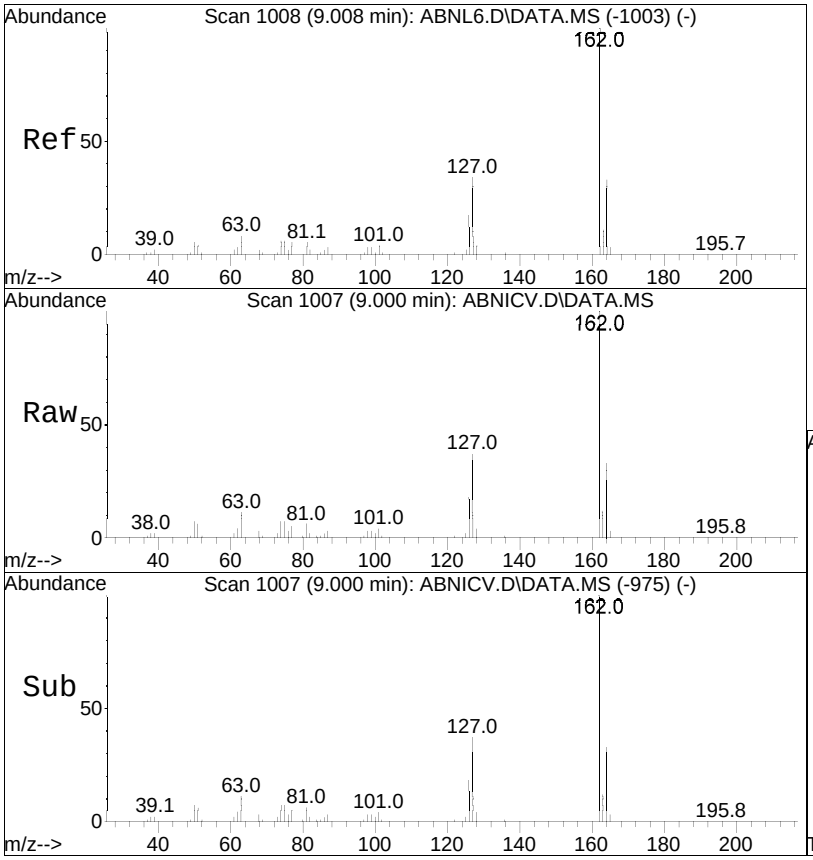


#45
2,4,5-Trichlorophenol
Concen: 5.65 ug/ml
RT: 8.851 min Scan# 987
Delta R.T. -0.007 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:196 Resp: 74264

Ion	Ratio	Lower	Upper
196	100		
200	29.9	25.4	38.0
198	93.0	78.0	117.0

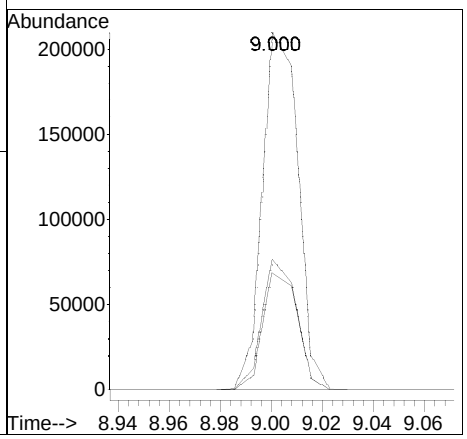


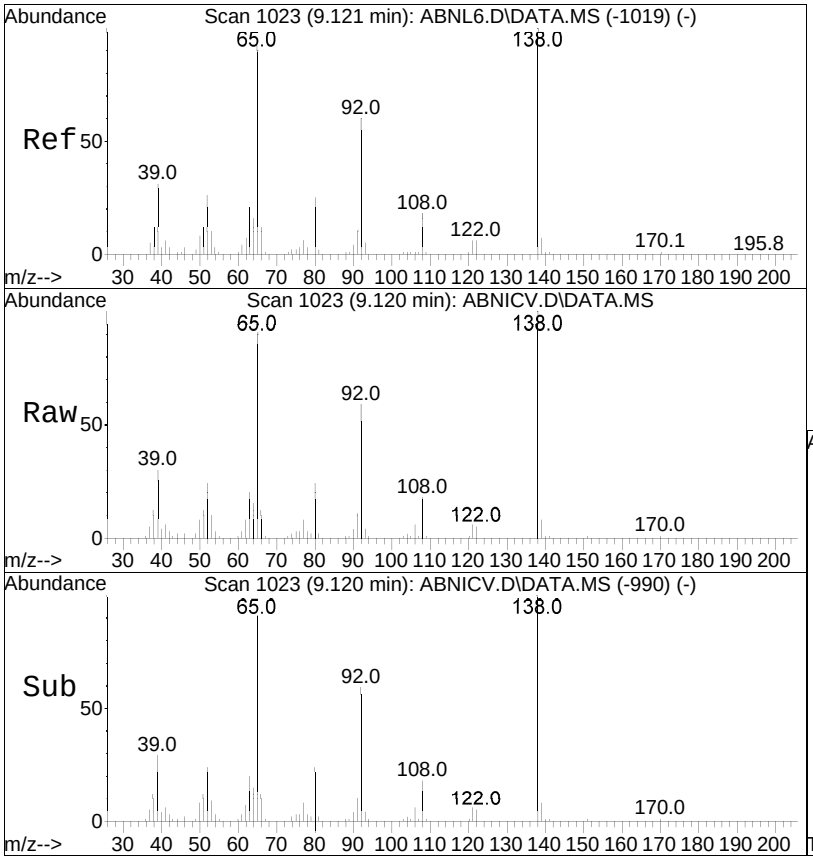


#47
2-Chloronaphthalene
Concen: 5.19 ug/ml
RT: 9.000 min Scan# 1007
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:162 Resp: 202516

Ion	Ratio	Lower	Upper
162	100		
127	35.4	32.2	48.4
164	32.2	25.7	38.5

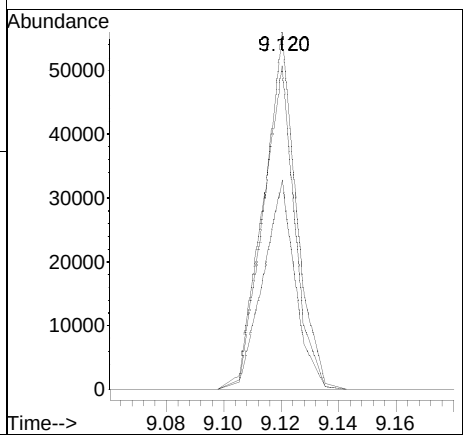


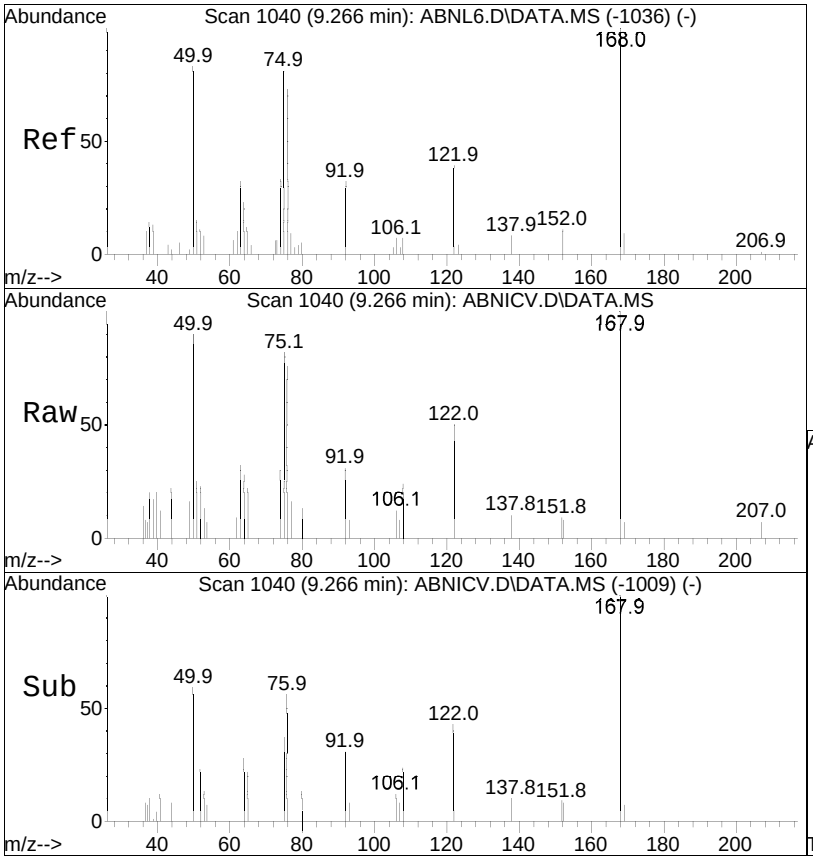


#48
2-Nitroaniline
Concen: 5.04 ug/ml
RT: 9.120 min Scan# 1023
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:138 Resp: 43241

Ion	Ratio	Lower	Upper
138	100		
92	58.8	53.5	80.3
65	92.2	86.3	129.5

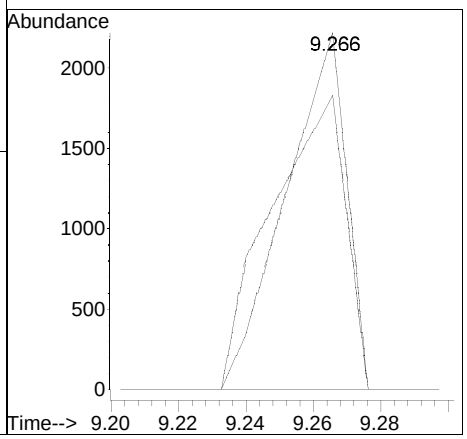


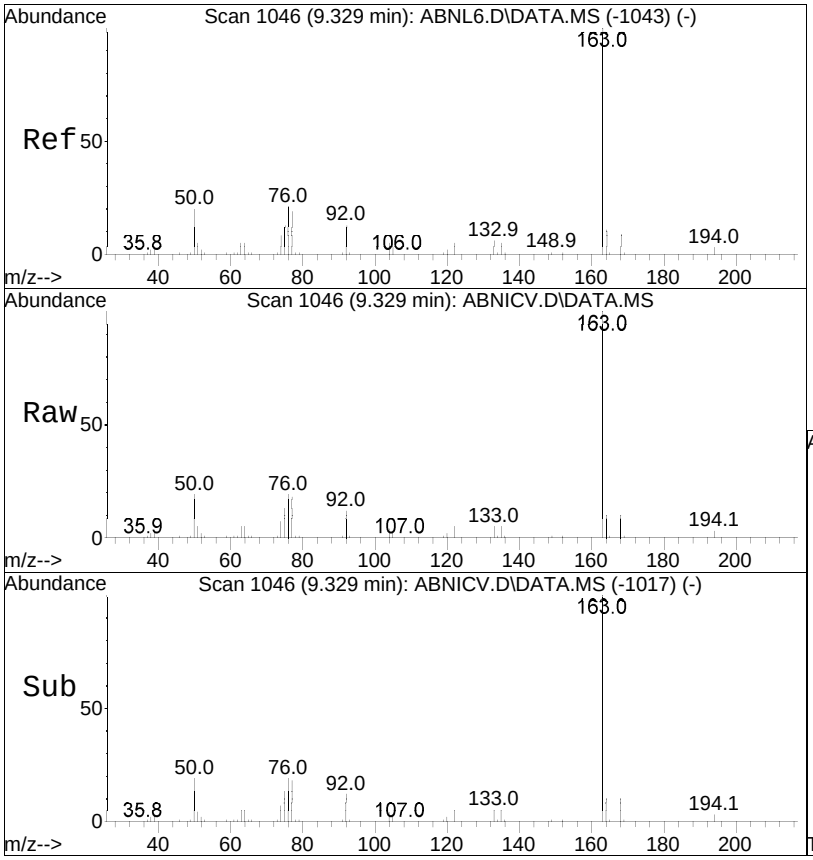


#49
1,4-Dinitrobenzene
Concen: 3.02 ug/ml M3
RT: 9.266 min Scan# 1040
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:168 Resp: 1972

Ion	Ratio	Lower	Upper
168	100		
75	1635.6	121.8	182.8#

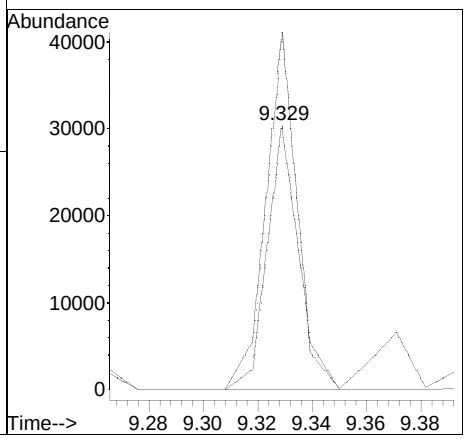


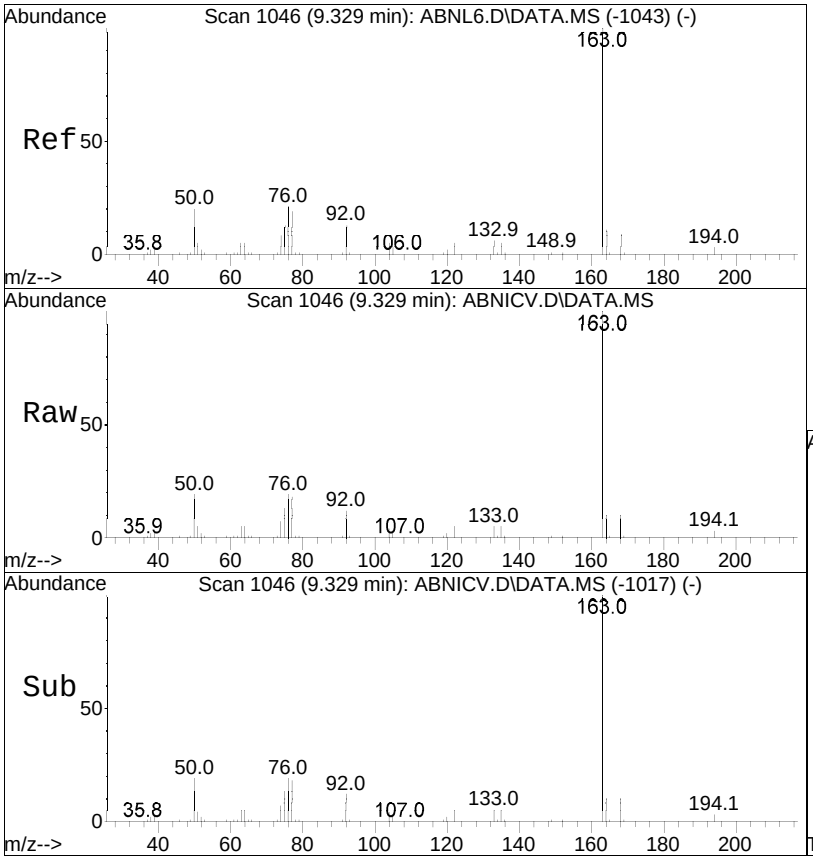


#50
1,3-Dinitrobenzene
Concen: 4.49 ug/ml
RT: 9.329 min Scan# 1046
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:168 Resp: 24161

Ion	Ratio	Lower	Upper
168	100		
75	133.5	22.7	34.1#

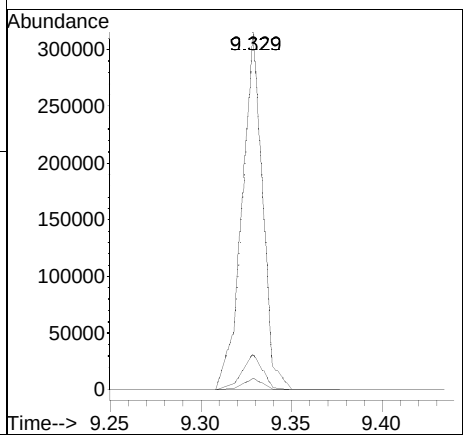


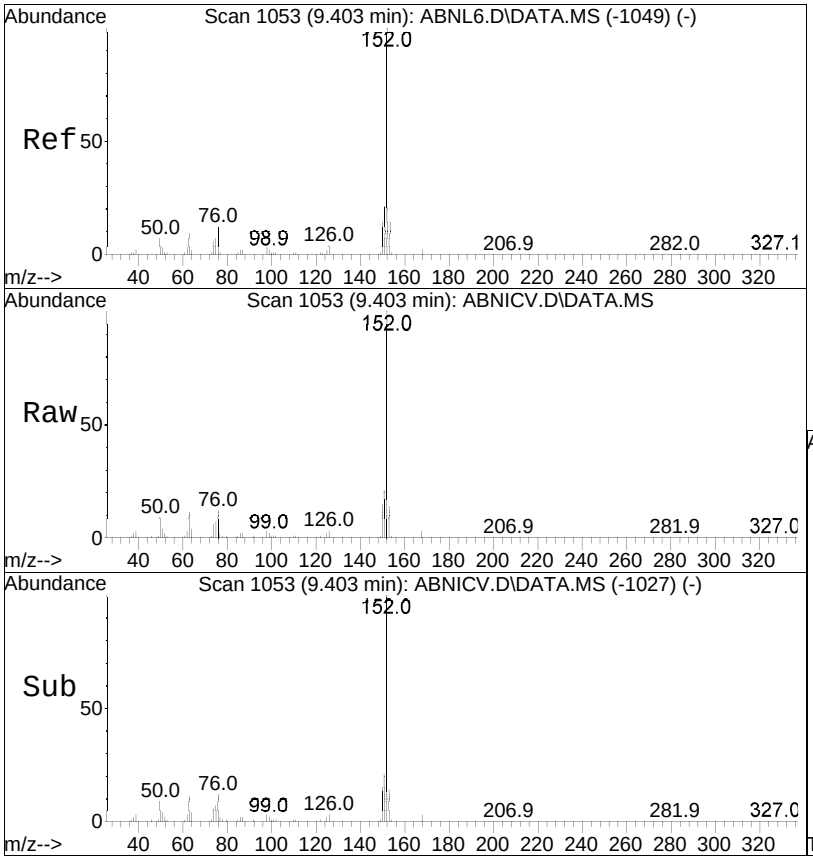


#51
Dimethyl phthalate
Concen: 5.23 ug/ml
RT: 9.329 min Scan# 1046
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:163 Resp: 245370

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.5	5.3#
164	10.3	7.9	11.9

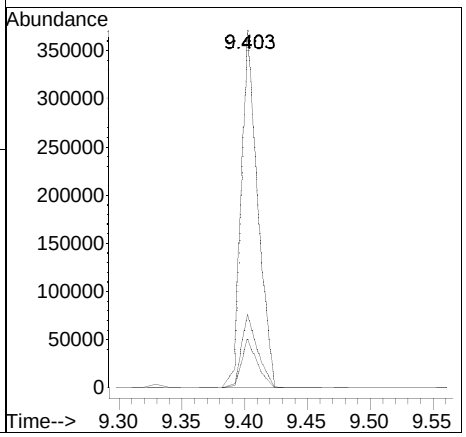


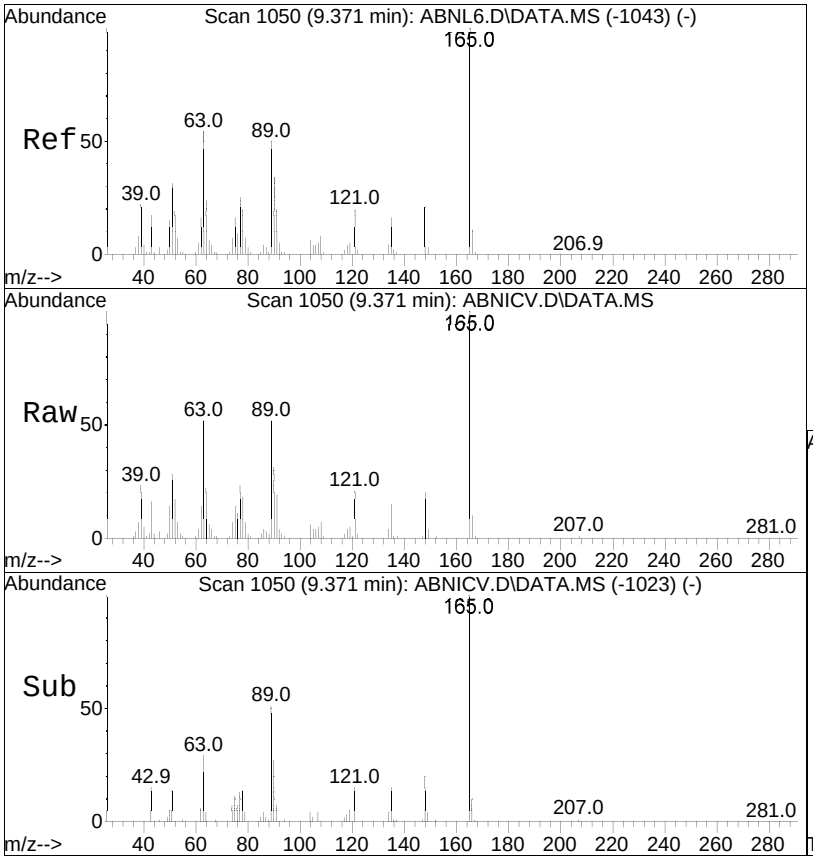


#52
Acenaphthylene
Concen: 5.36 ug/ml
RT: 9.403 min Scan# 1053
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:152 Resp: 332051

Ion	Ratio	Lower	Upper
152	100		
151	20.6	15.8	23.6
153	13.2	10.5	15.7

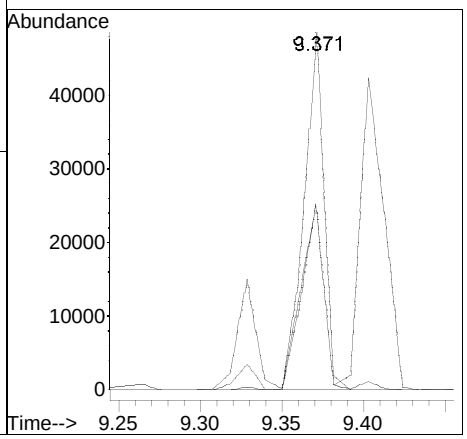


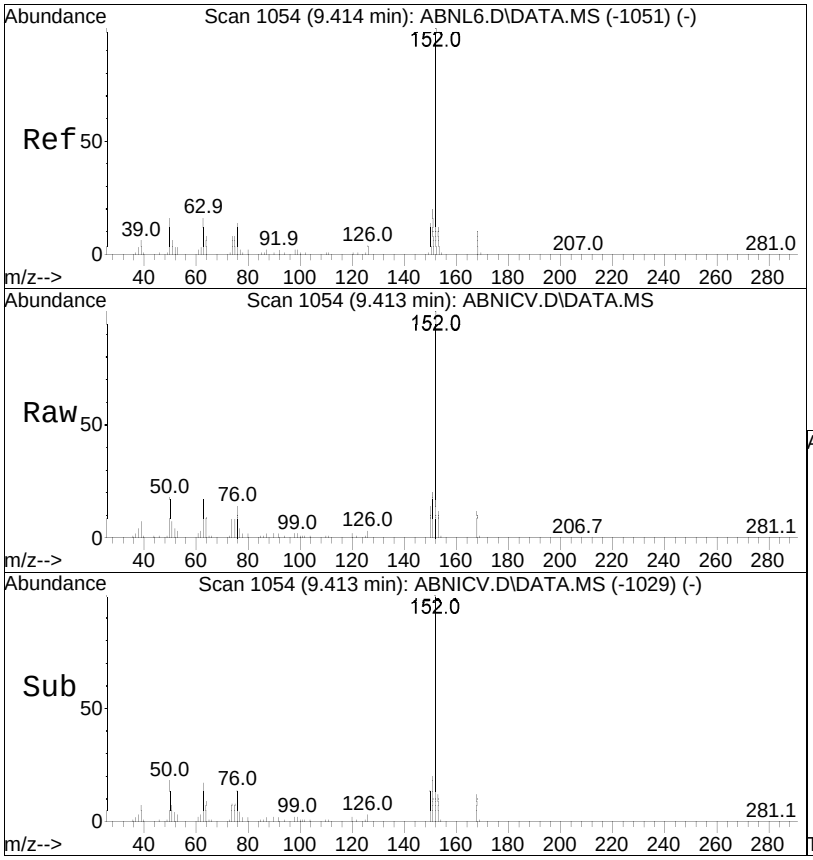


#53
2,6-Dinitrotoluene
Concen: 5.69 ug/ml
RT: 9.371 min Scan# 1050
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:165 Resp: 44259

Ion	Ratio	Lower	Upper
165	100		
89	53.5	54.2	81.2#
63	53.9	64.2	96.2#

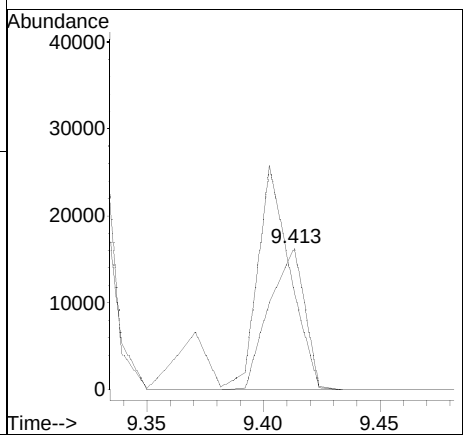


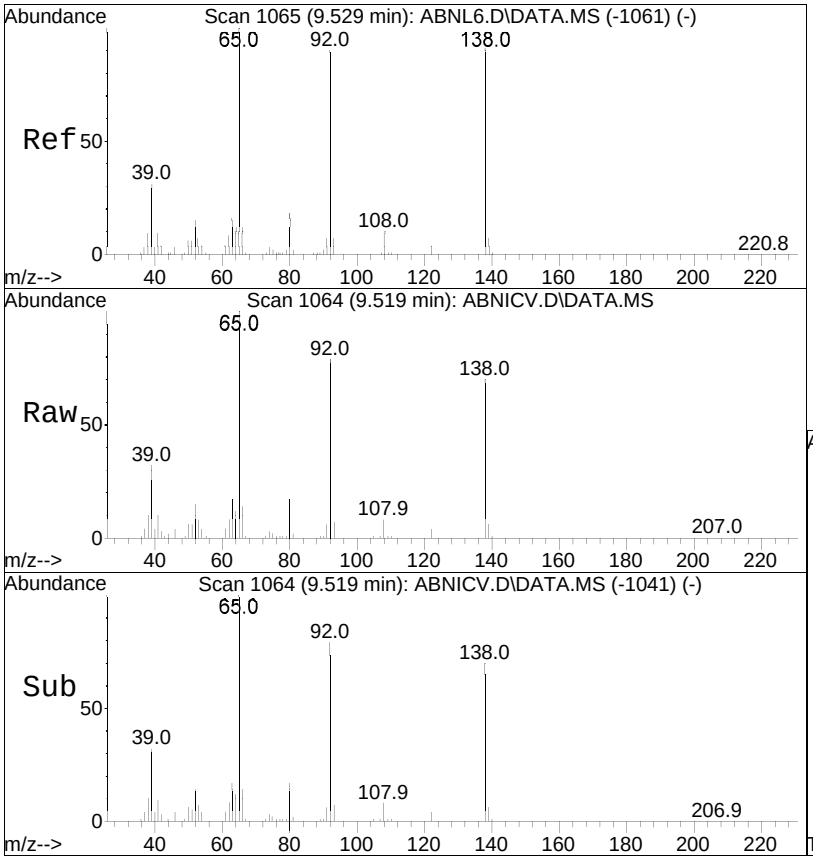


#54
1,2-Dinitrobenzene
Concen: 5.26 ug/ml
RT: 9.413 min Scan# 1054
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:168 Resp: 17122

Ion	Ratio	Lower	Upper
168	100		
75	180.9	30.9	46.3#

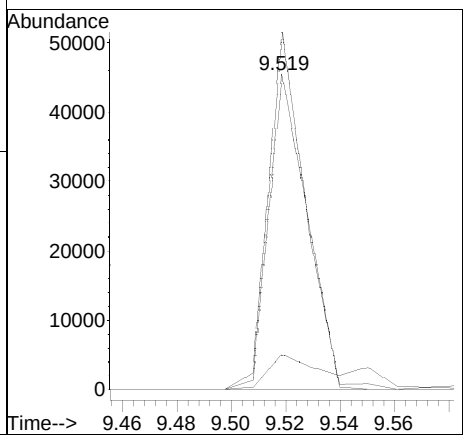


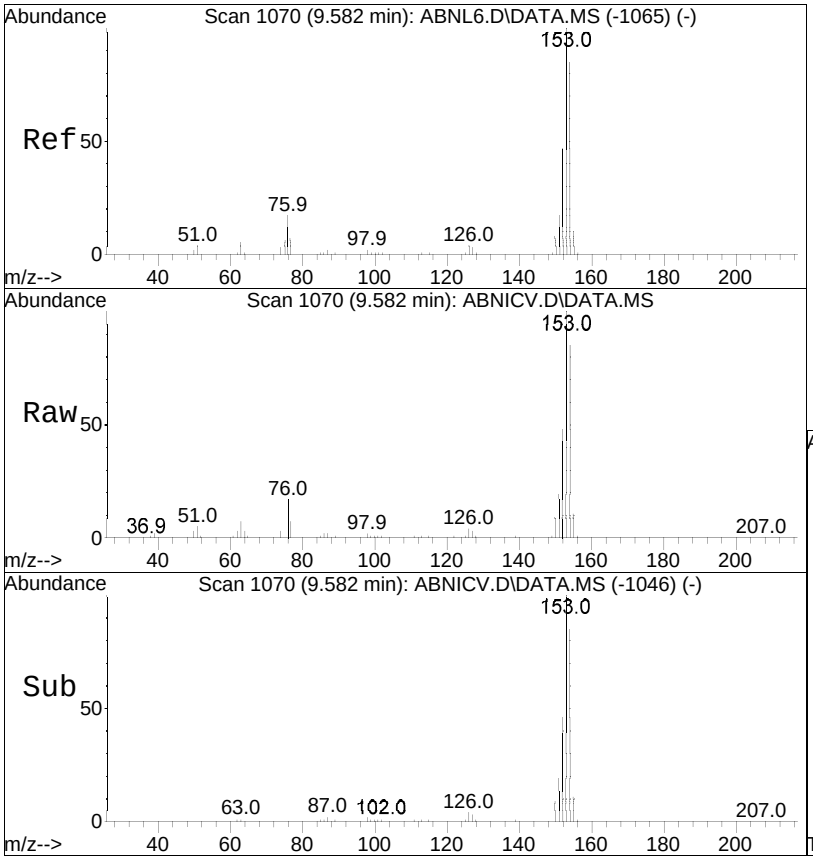


#64
3-Nitroaniline
Concen: 5.37 ug/ml
RT: 9.519 min Scan# 1064
Delta R.T. -0.010 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:138 Resp: 44052

Ion	Ratio	Lower	Upper
138	100		
92	110.1	93.4	140.2
108	22.0	9.5	14.3#

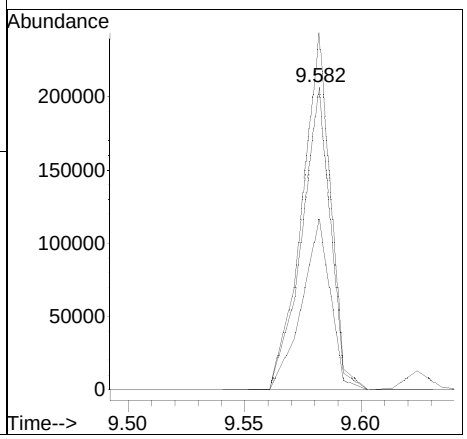


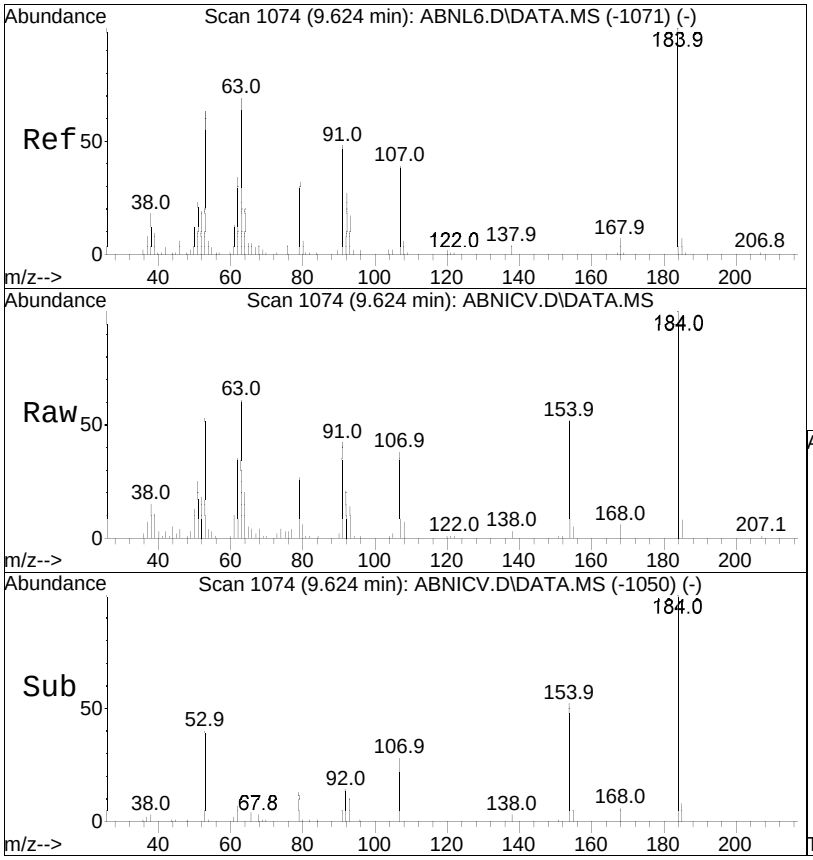


#65
Acenaphthene
Concen: 4.97 ug/ml
RT: 9.582 min Scan# 1070
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:154 Resp: 177976

Ion	Ratio	Lower	Upper
154	100		
153	117.0	85.3	127.9
152	56.4	41.4	62.0

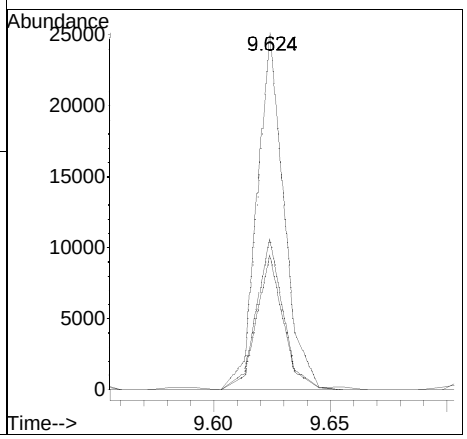


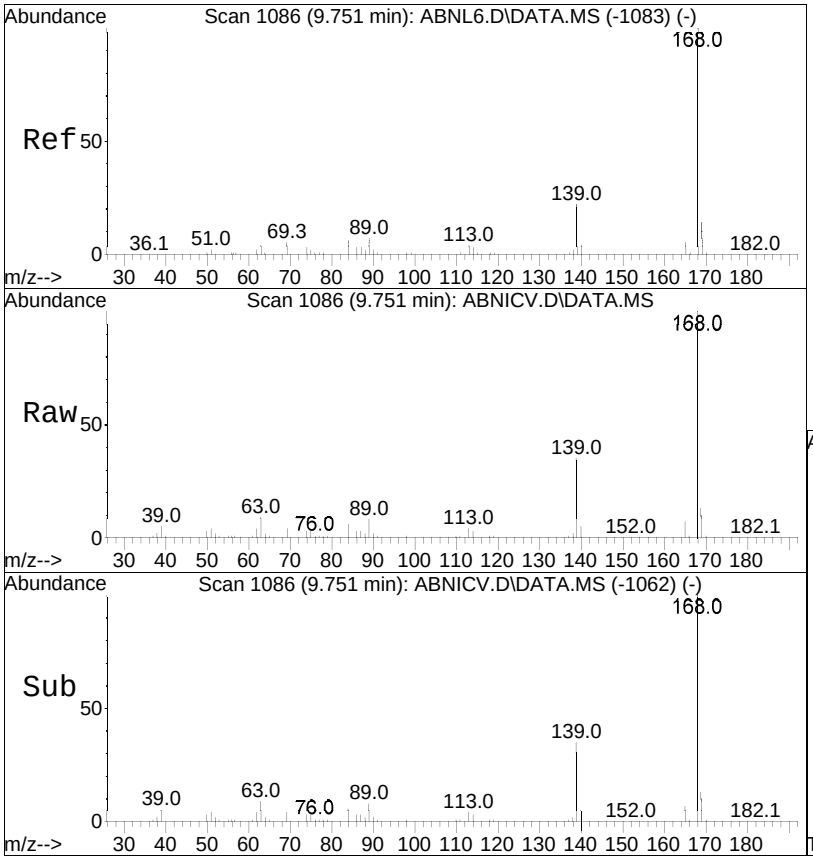


#66
2,4-Dinitrophenol
Concen: 4.70 ug/ml
RT: 9.624 min Scan# 1074
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:184 Resp: 19873

Ion	Ratio	Lower	Upper
184	100		
107	37.9	37.7	56.5
91	44.5	46.3	69.5#

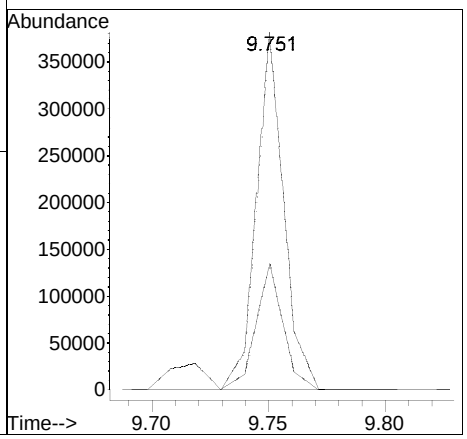


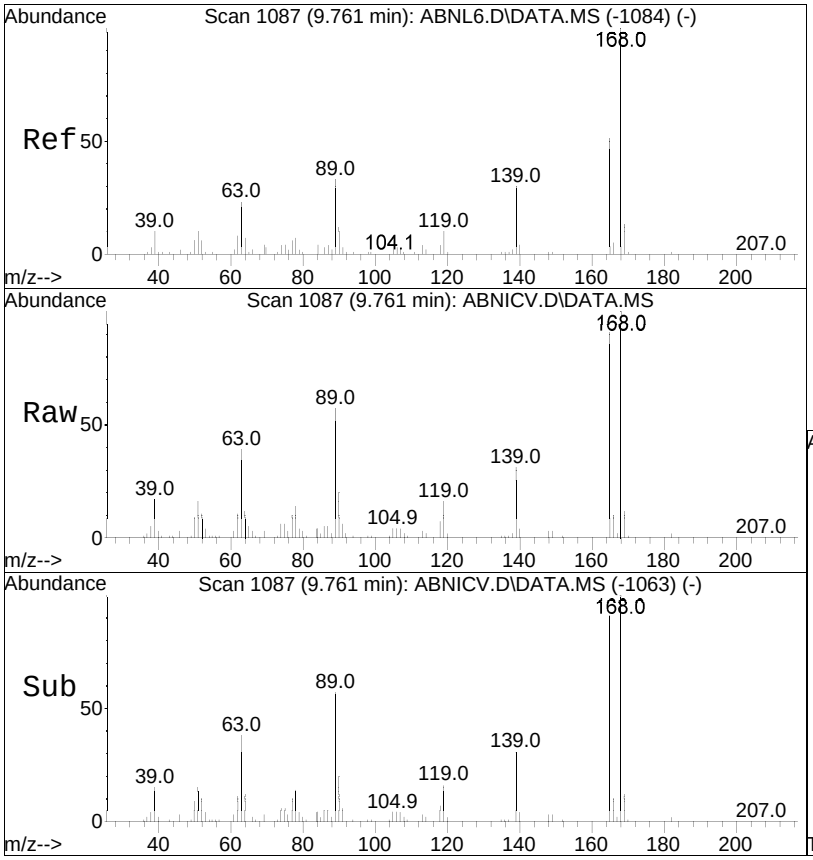


#67
Dibenzofuran
Concen: 4.91 ug/ml
RT: 9.751 min Scan# 1086
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:168 Resp: 305266

Ion	Ratio	Lower	Upper
168	100		
139	50.9	31.4	47.2#

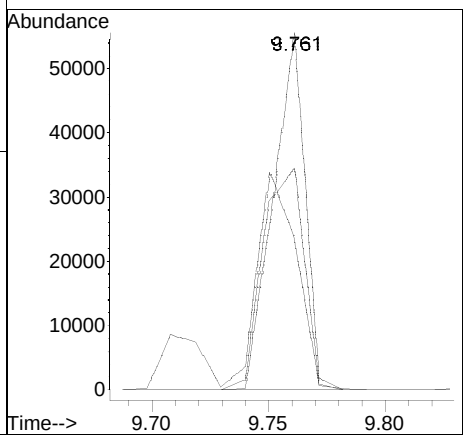


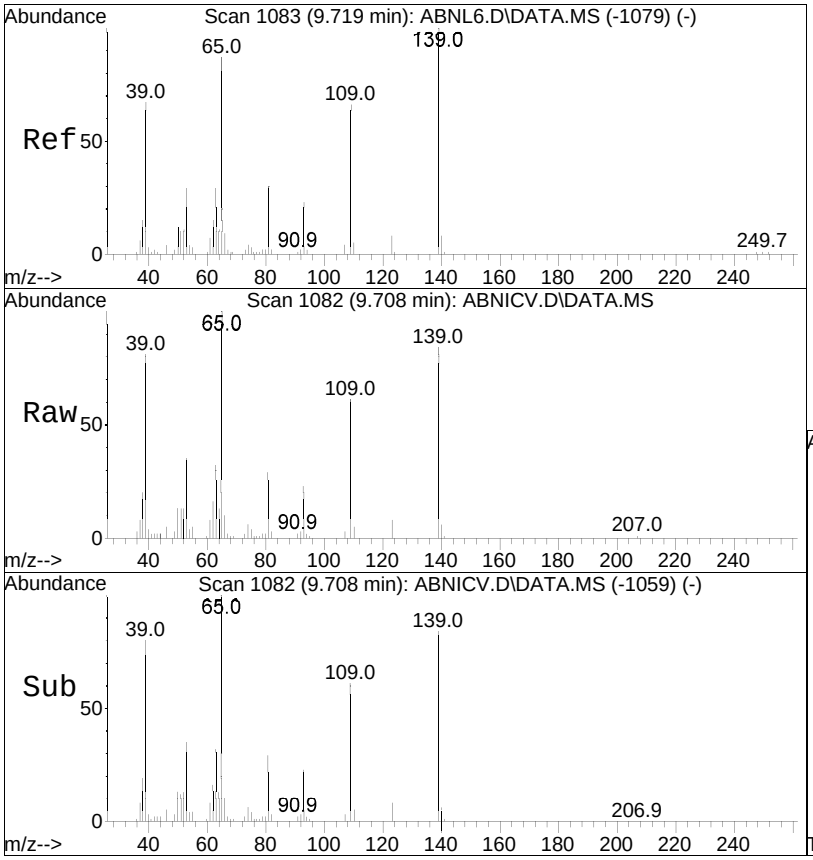


#68
2,4-Dinitrotoluene
Concen: 4.64 ug/ml
RT: 9.761 min Scan# 1087
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:165 Resp: 52324

Ion	Ratio	Lower	Upper
165	100		
89	80.3	72.0	108.0
63	75.2	52.7	79.1

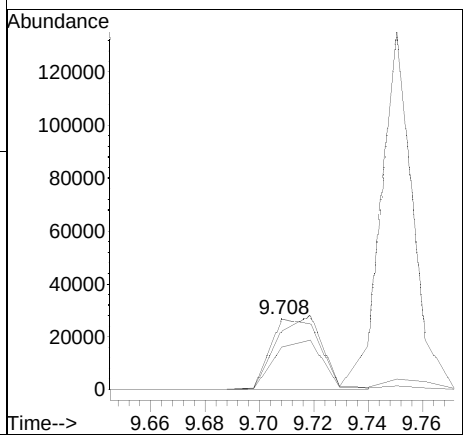


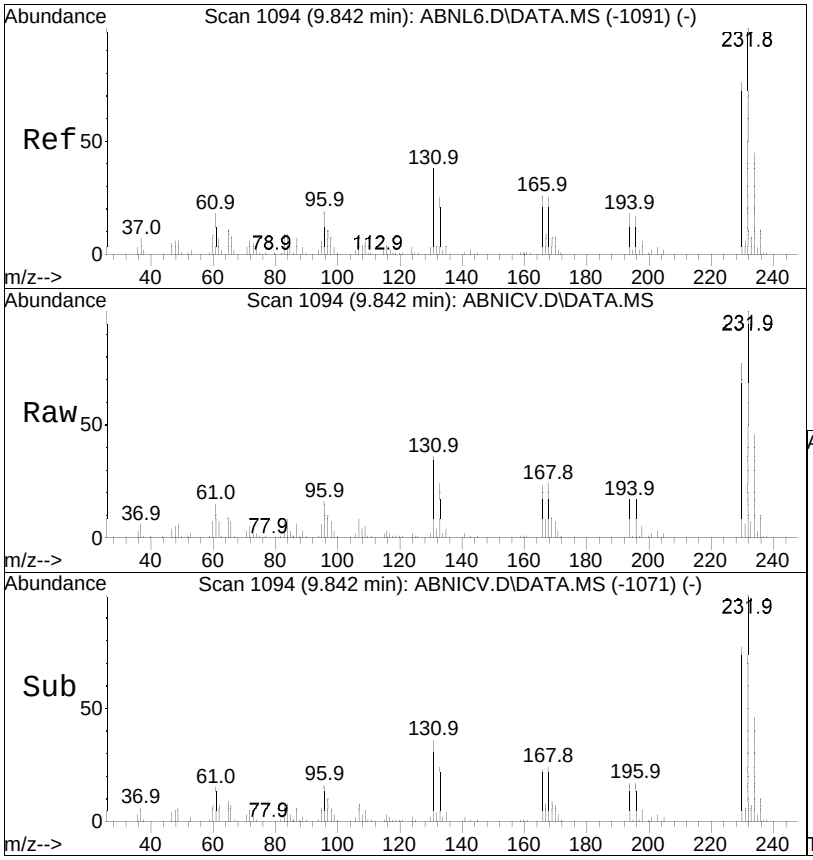


#69
4-Nitrophenol
Concen: 5.42 ug/ml
RT: 9.708 min Scan# 1082
Delta R.T. -0.011 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 65 Resp: 33937

Ion	Ratio	Lower	Upper
65	100		
109	67.6	47.4	71.2
139	0.0	76.6	115.0#

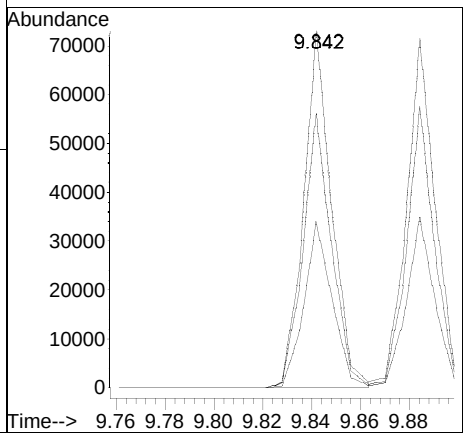


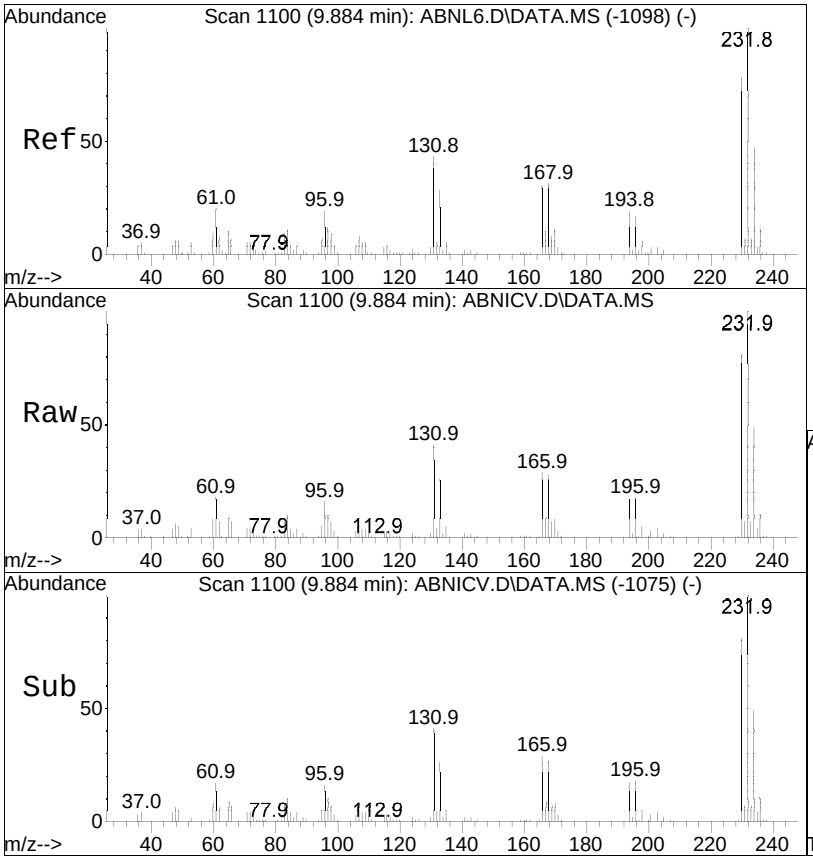


#70
2,3,5,6-Tetrachlorophenol
Concen: 6.97 ug/ml
RT: 9.842 min Scan# 1094
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:232 Resp: 82818

Ion	Ratio	Lower	Upper
232	100		
230	78.0	64.2	96.4
234	47.1	38.1	57.1

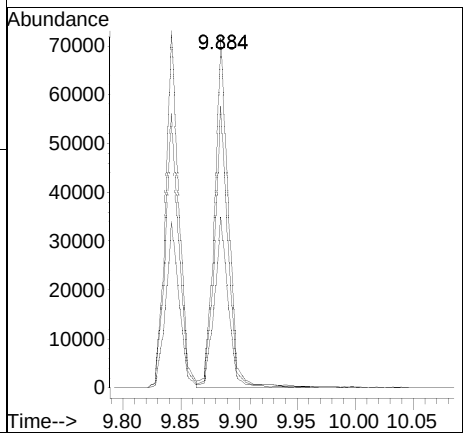


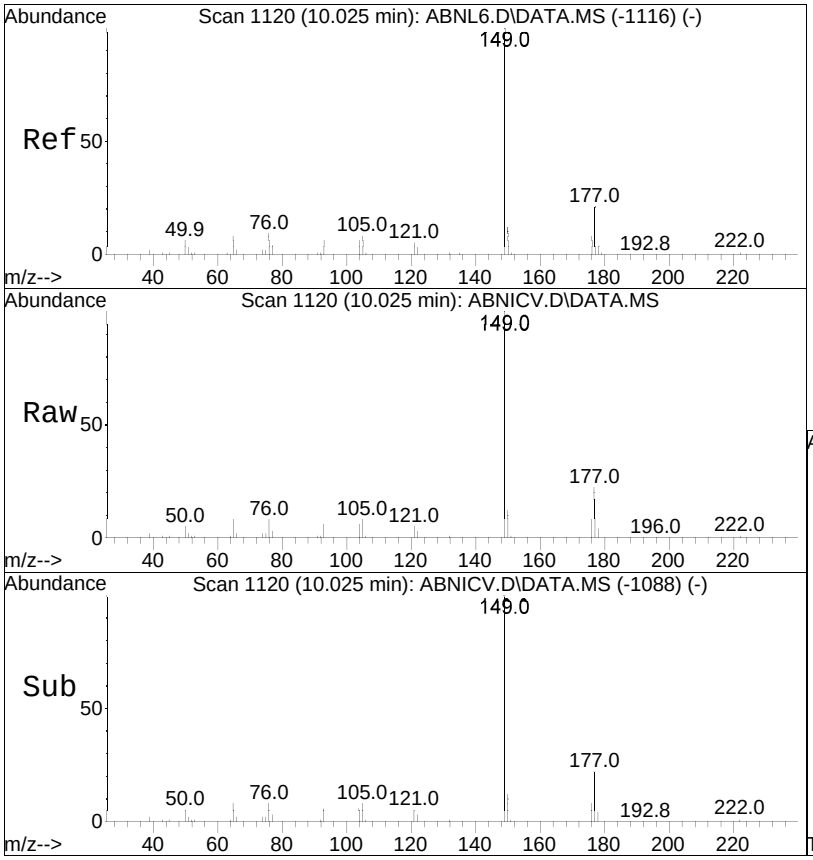


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.42 ug/ml
RT: 9.884 min Scan# 1100
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:232 Resp: 60689

Ion	Ratio	Lower	Upper
232	100		
230	77.3	61.8	92.8
234	47.9	36.2	54.2

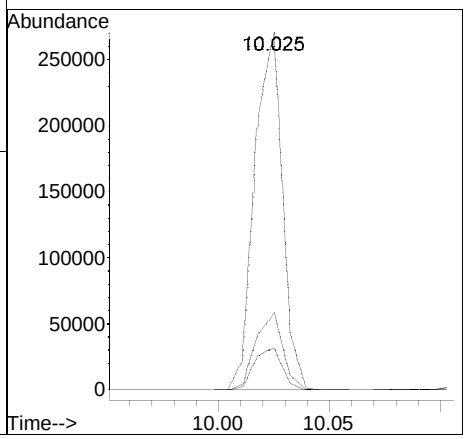


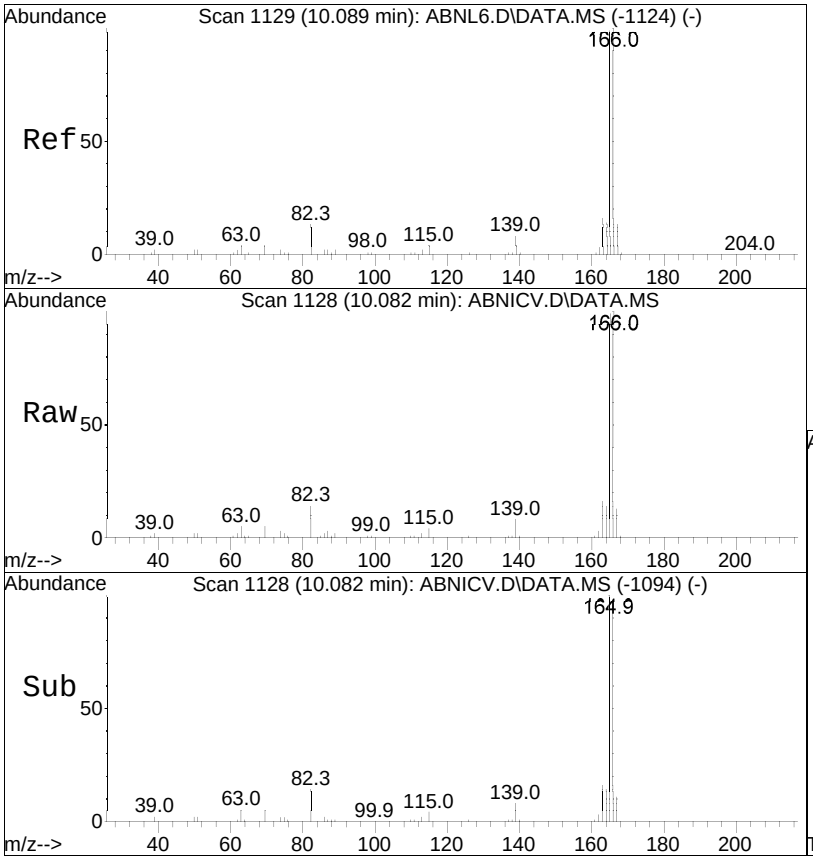


#72
Diethyl phthalate
Concen: 5.25 ug/ml
RT: 10.025 min Scan# 1120
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:149 Resp: 232030

Ion	Ratio	Lower	Upper
149	100		
177	21.2	16.1	24.1
150	12.0	9.4	14.2

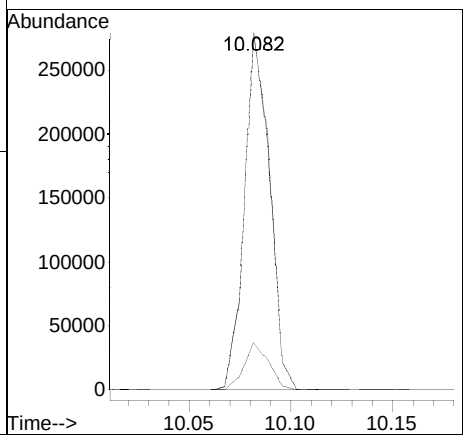


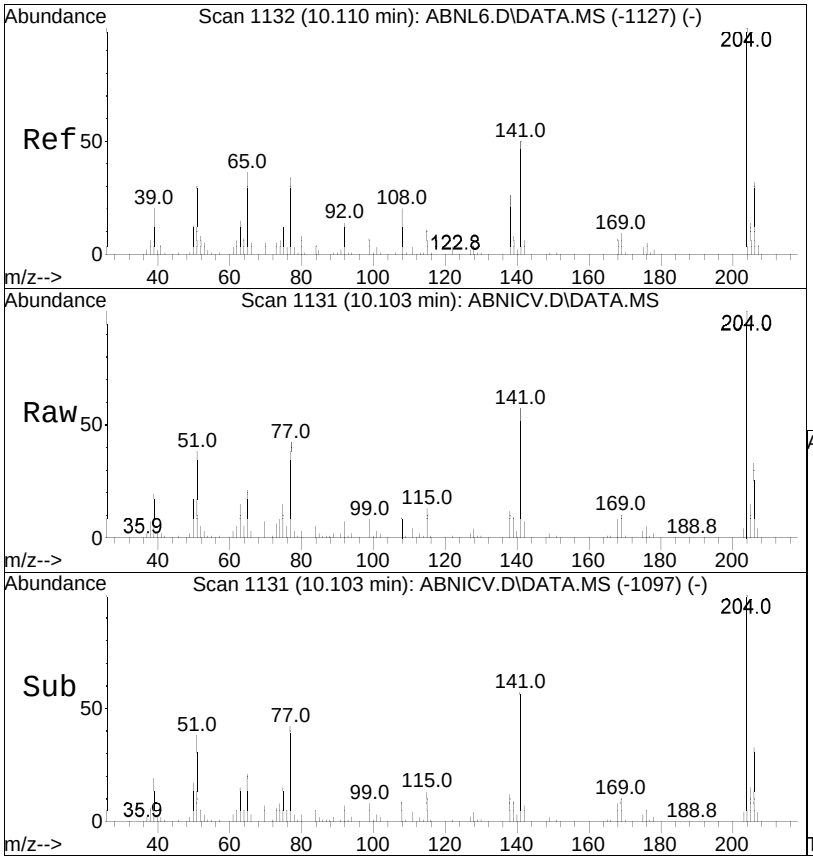


#73
Fluorene
Concen: 5.21 ug/ml
RT: 10.082 min Scan# 1128
Delta R.T. -0.007 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:166 Resp: 238812

Ion	Ratio	Lower	Upper
166	100		
165	101.0	76.2	114.2
167	13.3	10.6	15.8

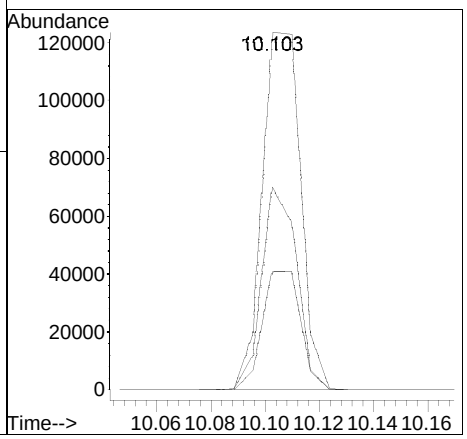


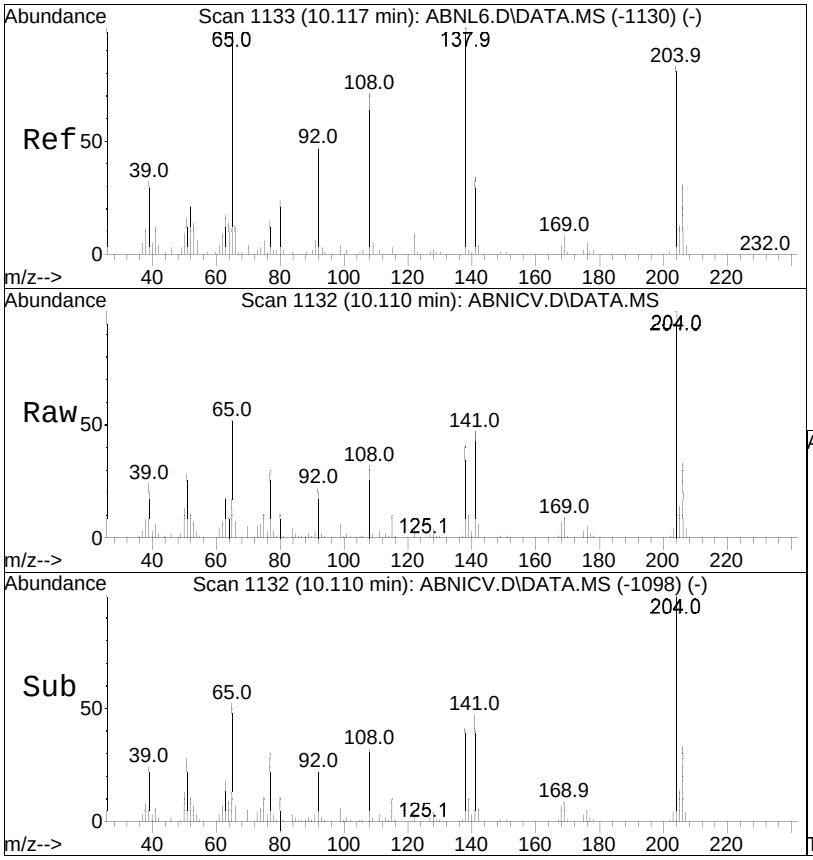


#74
4-Chlorophenyl phenyl ether
Concen: 5.04 ug/ml
RT: 10.103 min Scan# 1131
Delta R.T. -0.007 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:204 Resp: 120770

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.6
141	51.8	53.6	80.4#

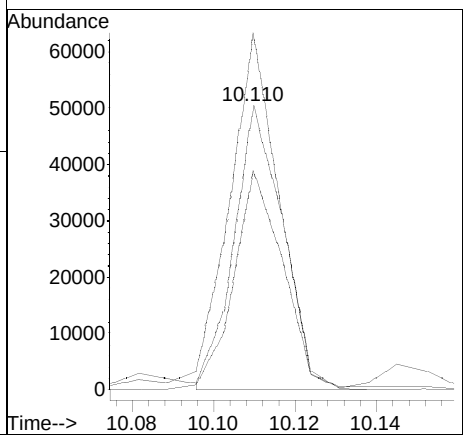


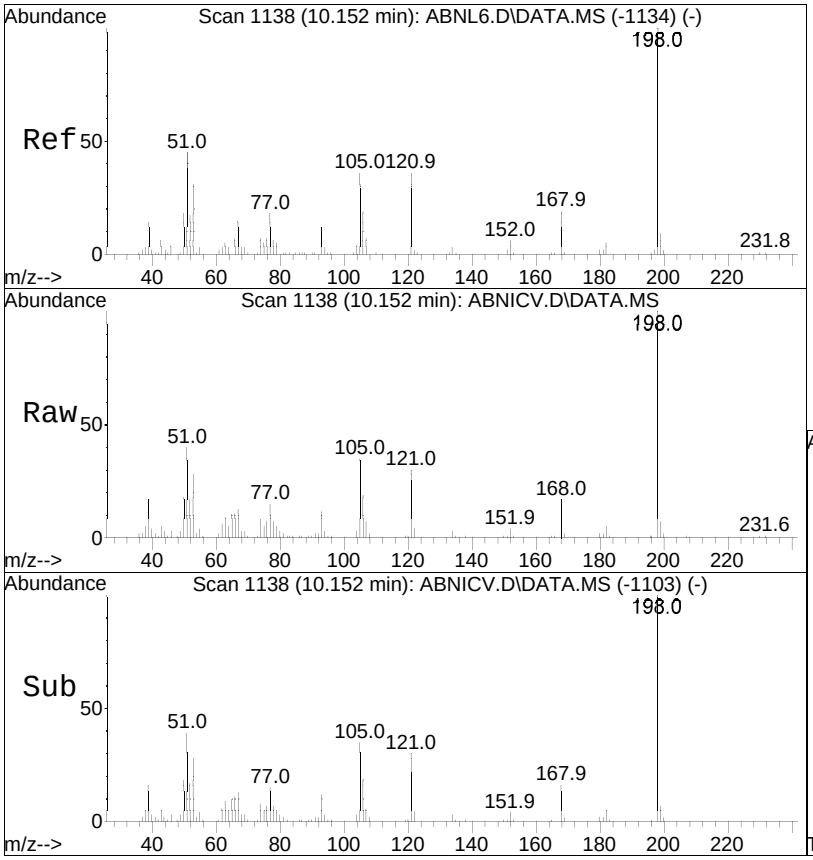


#75
4-Nitroaniline
Concen: 5.26 ug/ml M6
RT: 10.110 min Scan# 1132
Delta R.T. -0.007 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:138 Resp: 42007

Ion	Ratio	Lower	Upper
138	100		
108	80.5	52.1	78.1#
65	131.8	115.0	172.6

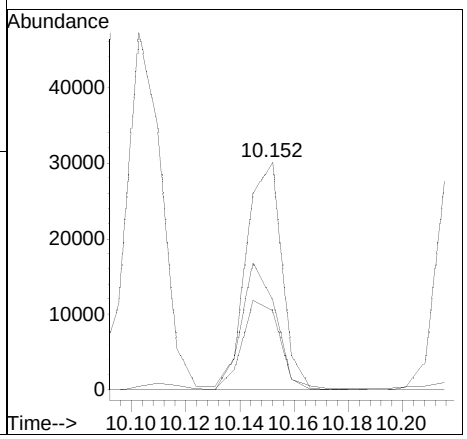


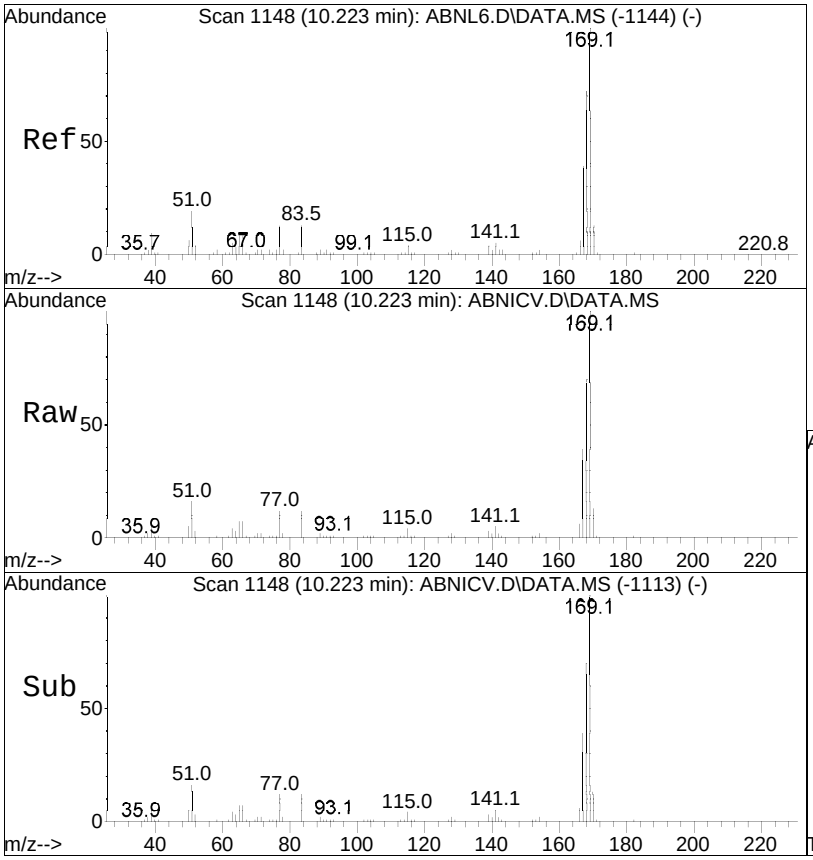


#76
4,6-Dinitro-o-cresol
Concen: 4.14 ug/ml
RT: 10.152 min Scan# 1138
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:198 Resp: 27559

Ion	Ratio	Lower	Upper
198	100		
51	54.9	76.0	114.0#
105	40.8	45.6	68.4#

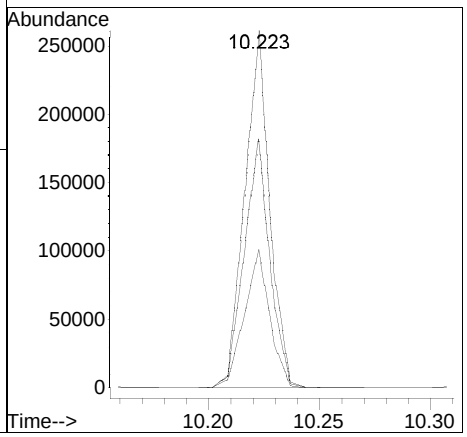


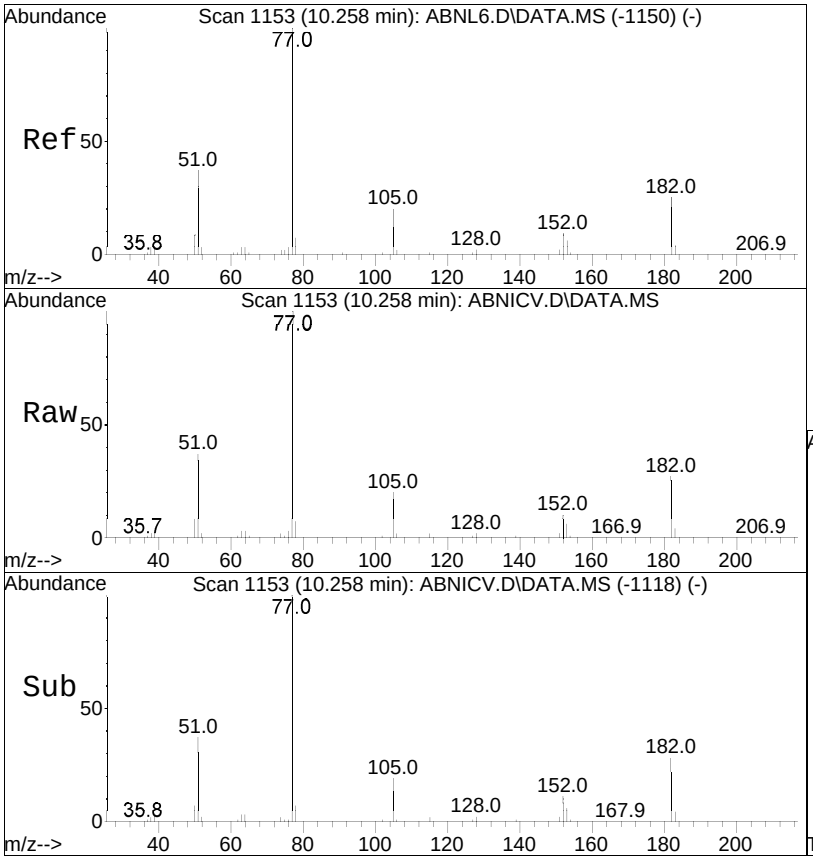


#77
NDPA/DPA
Concen: 5.30 ug/ml
RT: 10.223 min Scan# 1148
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:169 Resp: 202666

Ion	Ratio	Lower	Upper
169	100		
168	71.9	54.0	81.0
167	39.6	28.6	42.8

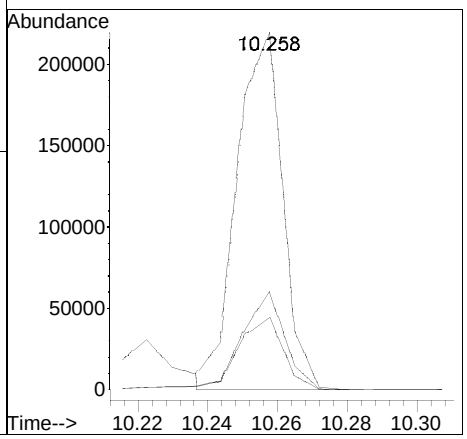


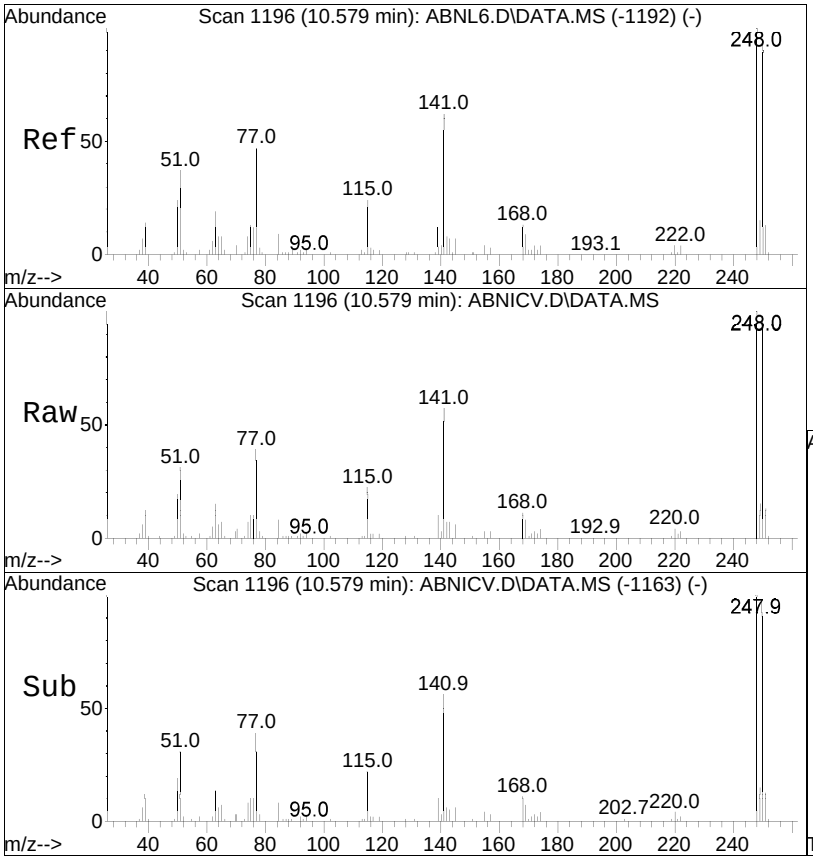


#78
Azobenzene
Concen: 5.43 ug/ml
RT: 10.258 min Scan# 1153
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion: 77 Resp: 197919

Ion	Ratio	Lower	Upper
77	100		
182	27.0	17.4	26.2#
105	21.4	15.4	23.2

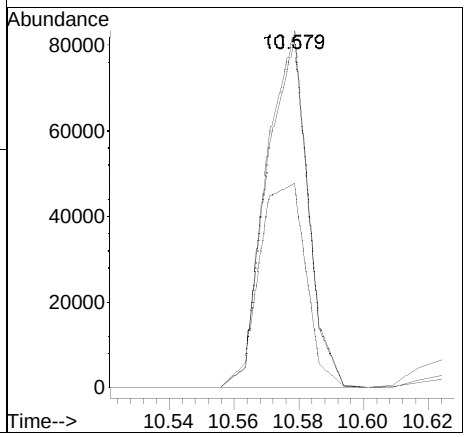


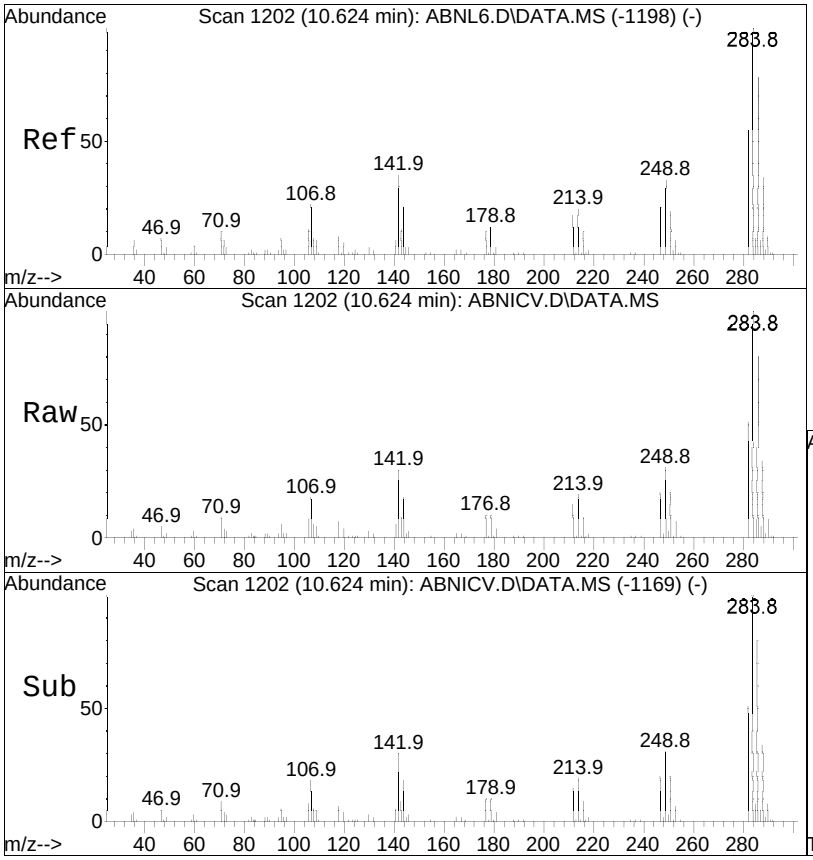


#80
4-Bromophenyl phenyl ether
Concen: 4.92 ug/ml
RT: 10.579 min Scan# 1196
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:248 Resp: 74019

Ion	Ratio	Lower	Upper
248	100		
141	64.1	76.6	114.8#
250	96.5	77.3	115.9

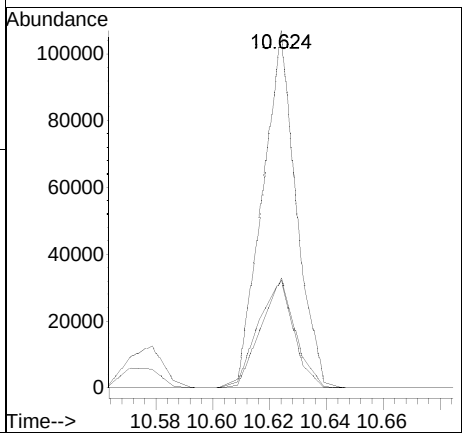


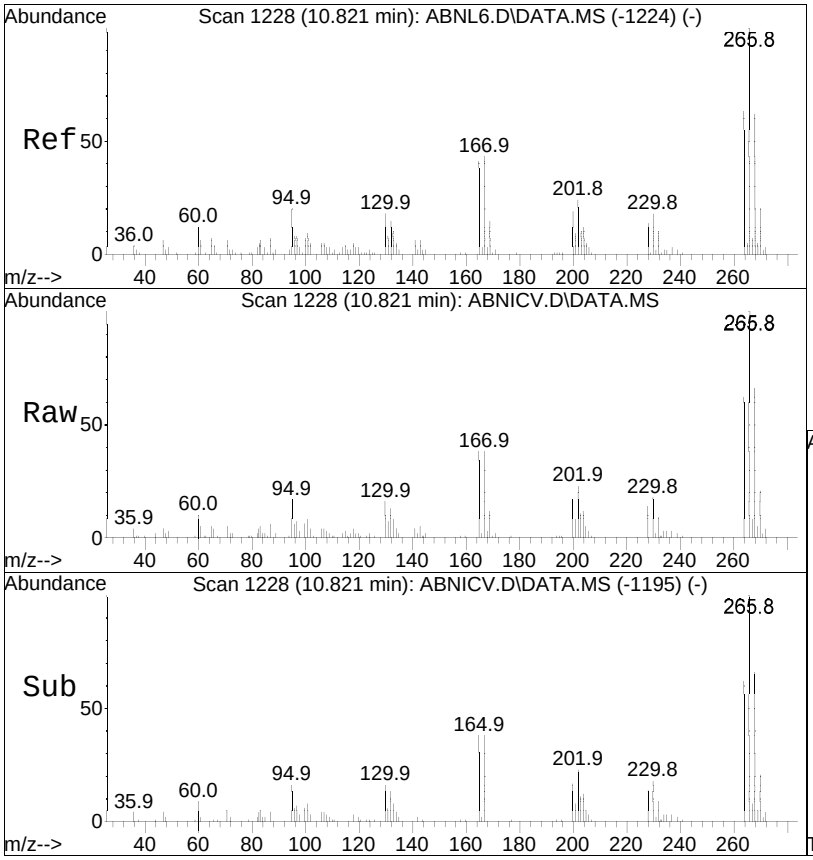


#81
Hexachlorobenzene
Concen: 4.99 ug/ml
RT: 10.624 min Scan# 1202
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:284 Resp: 88174

Ion	Ratio	Lower	Upper
284	100		
142	31.8	41.9	62.9#
249	31.2	24.1	36.1

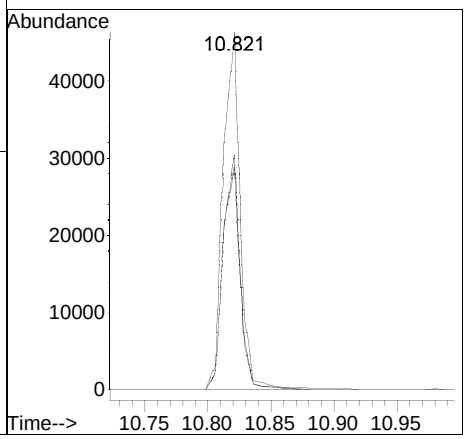


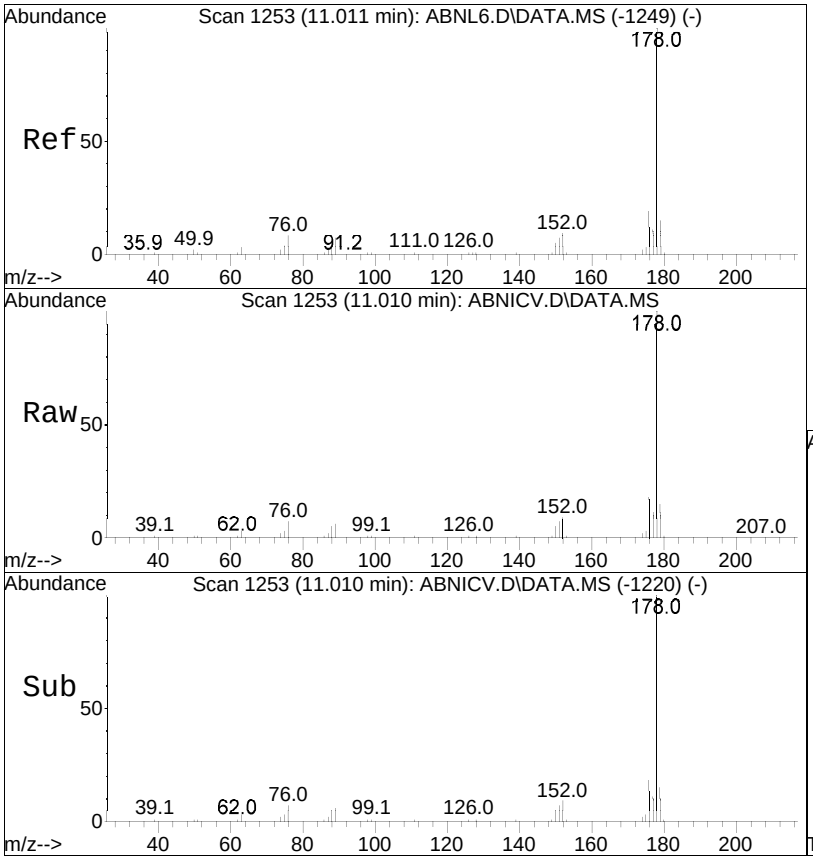


#82
Pentachlorophenol
Concen: 4.75 ug/ml
RT: 10.821 min Scan# 1228
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:266 Resp: 43595

Ion	Ratio	Lower	Upper
266	100		
264	62.9	49.7	74.5
268	65.0	50.5	75.7

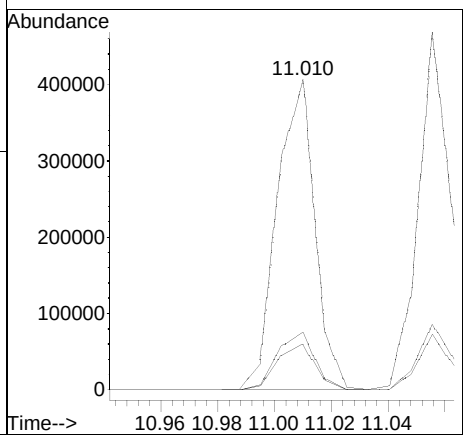


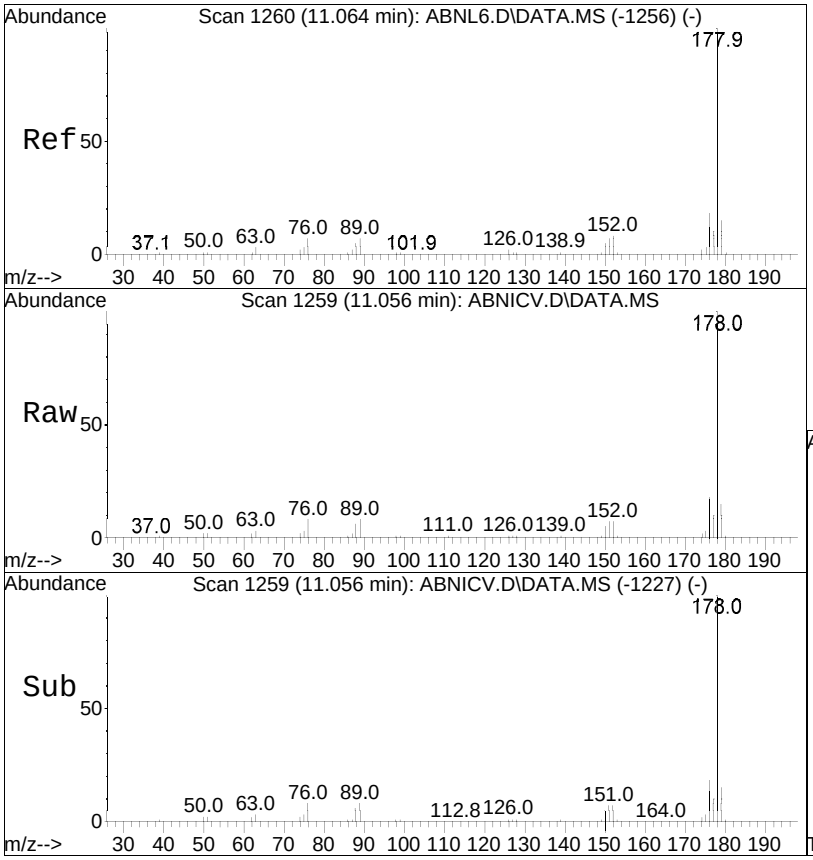


#89
Phenanthrene
Concen: 5.17 ug/ml
RT: 11.010 min Scan# 1253
Delta R.T. -0.001 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:178 Resp: 375117

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.2	18.2
176	18.5	15.4	23.2

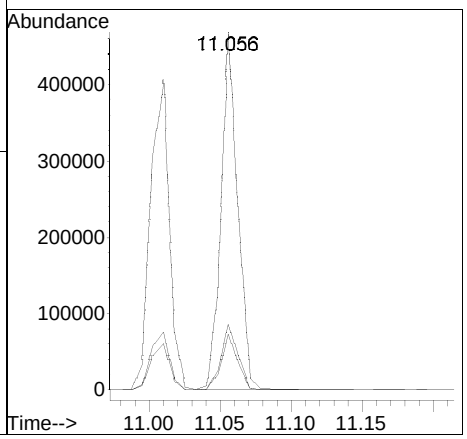


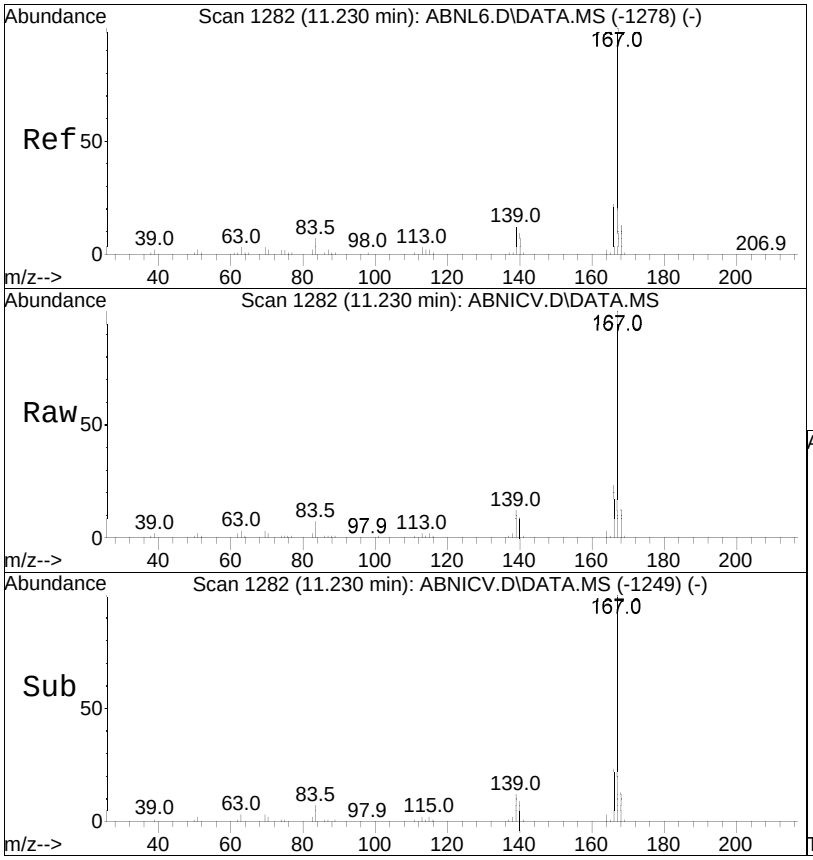


#90
Anthracene
Concen: 5.37 ug/ml
RT: 11.056 min Scan# 1259
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:178 Resp: 379894

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	18.7	14.6	22.0

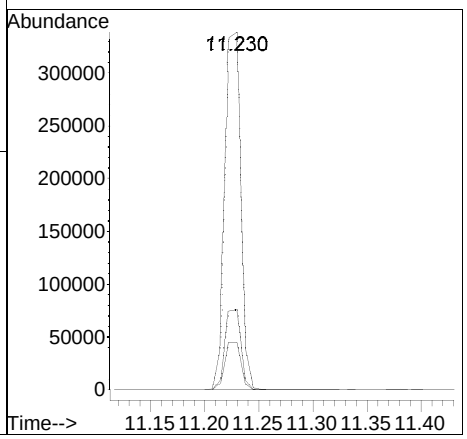


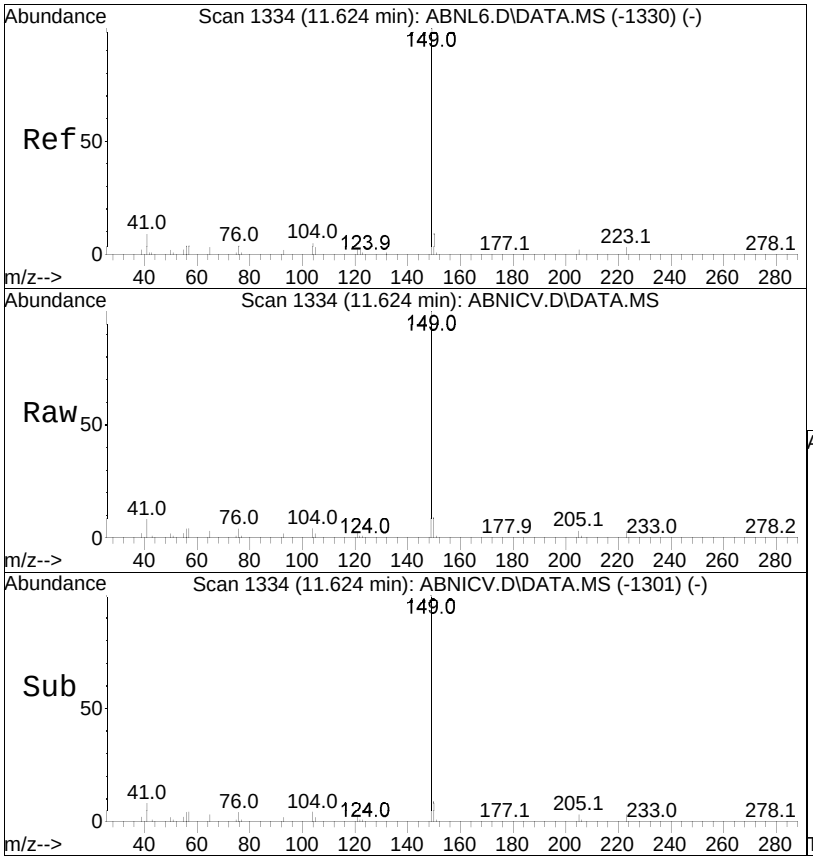


#91
Carbazole
Concen: 5.47 ug/ml
RT: 11.230 min Scan# 1282
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:167 Resp: 345386

Ion	Ratio	Lower	Upper
167	100		
168	13.5	10.6	15.8
166	22.4	17.4	26.0

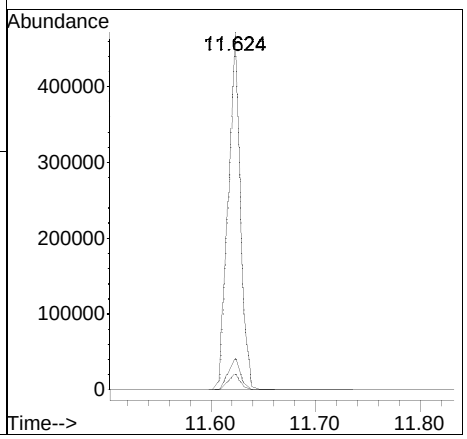


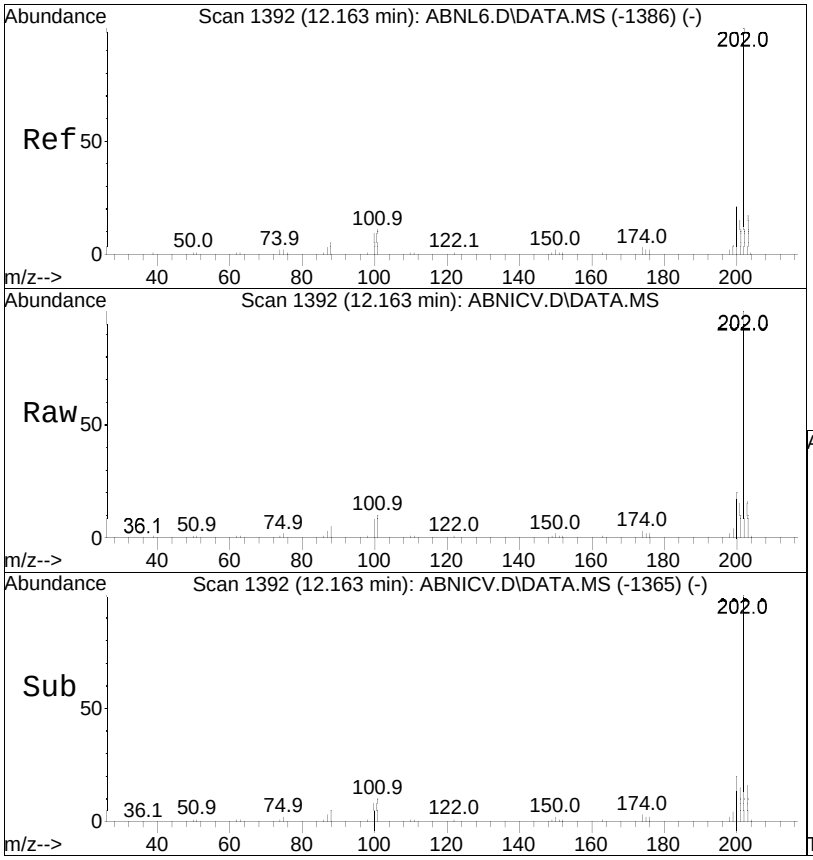


#92
Di-n-butylphthalate
Concen: 5.95 ug/ml
RT: 11.624 min Scan# 1334
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:149 Resp: 424514

Ion	Ratio	Lower	Upper
149	100		
150	7.8	7.0	10.6
104	4.1	4.5	6.7#

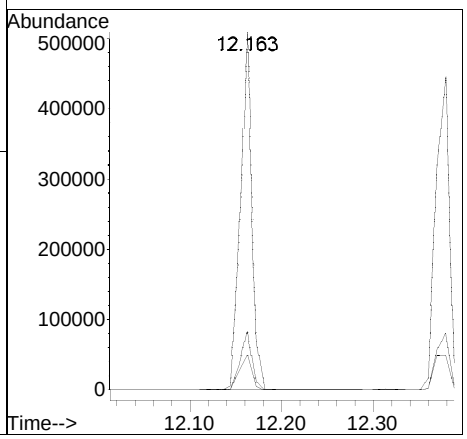


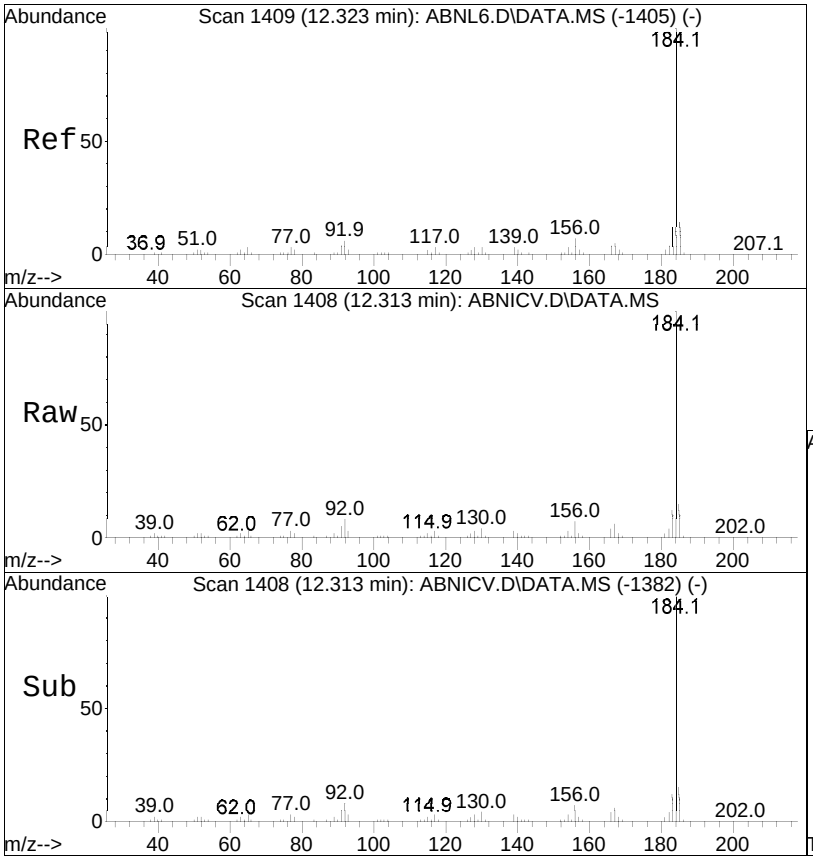


#93
Fluoranthene
Concen: 5.35 ug/ml
RT: 12.163 min Scan# 1392
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:202 Resp: 443321

Ion	Ratio	Lower	Upper
202	100		
101	10.6	13.5	20.3#
203	16.9	13.6	20.4

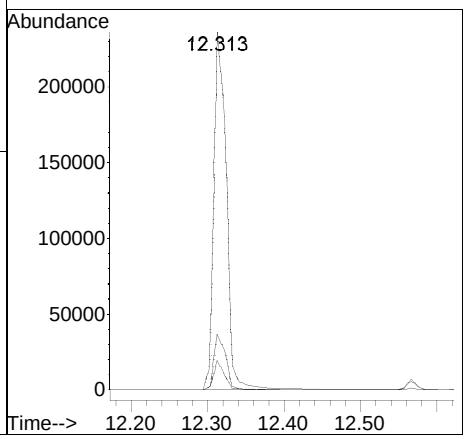


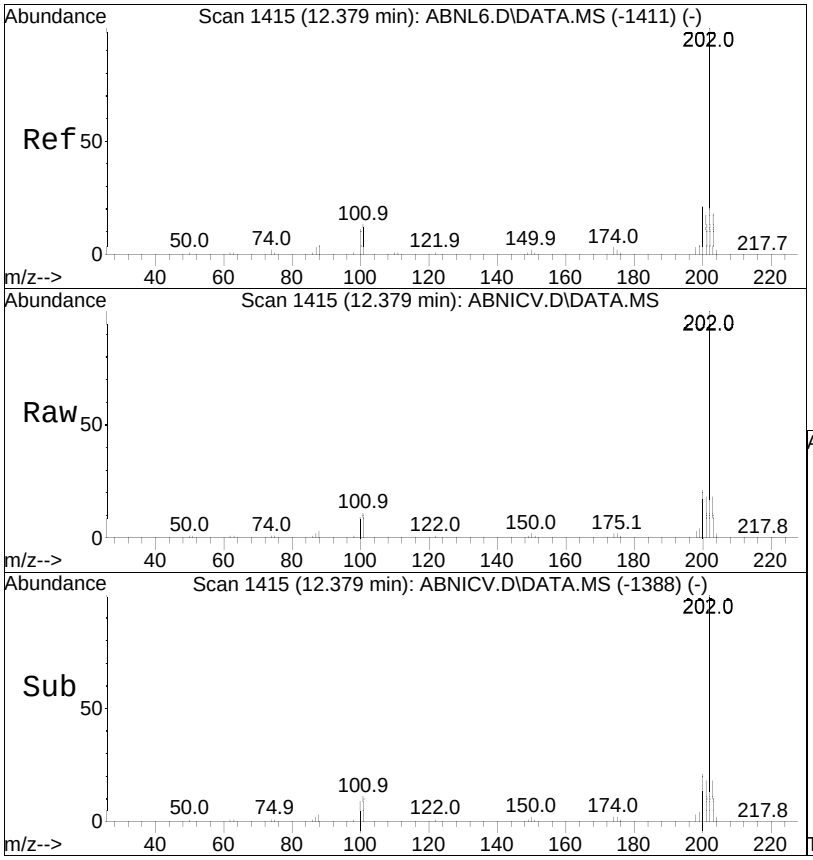


#94
Benzidine
Concen: 5.86 ug/ml
RT: 12.313 min Scan# 1408
Delta R.T. -0.010 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:184 Resp: 263438

Ion	Ratio	Lower	Upper
184	100		
92	7.2	9.1	13.7#
185	14.9	11.1	16.7

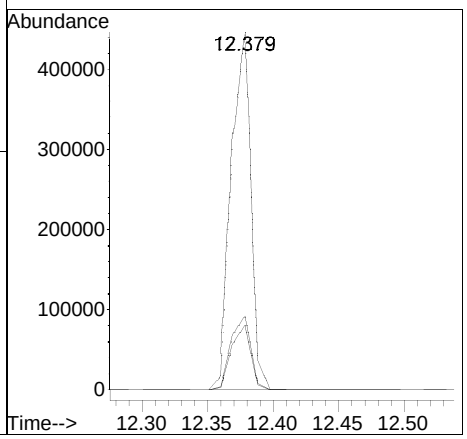


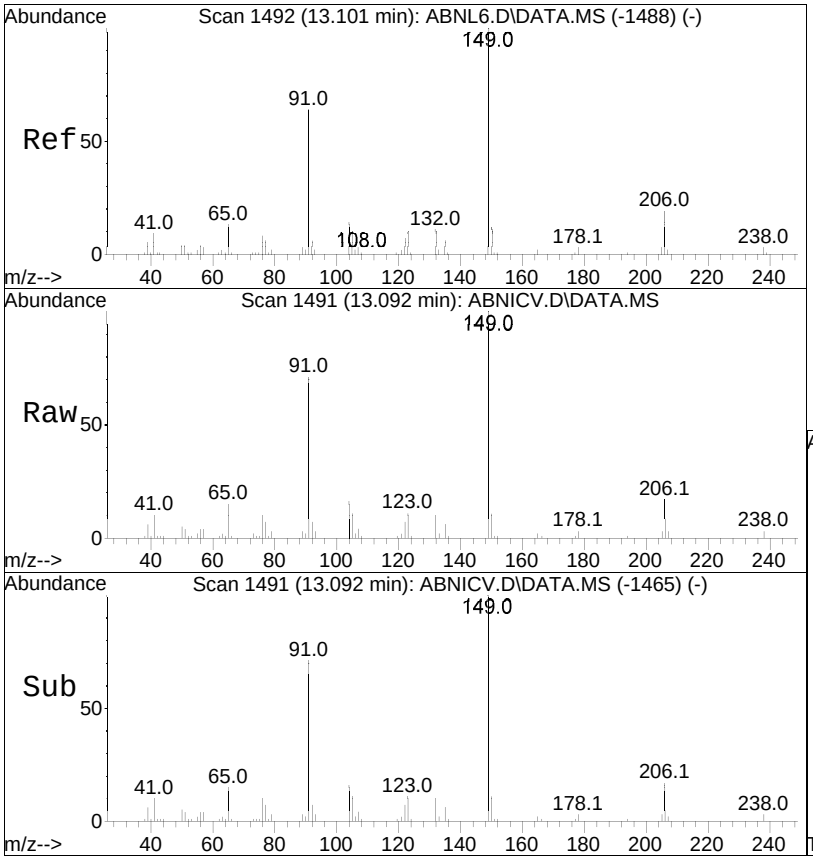


#95
Pyrene
Concen: 5.32 ug/ml
RT: 12.379 min Scan# 1415
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:202 Resp: 461974

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.8	14.2	21.4

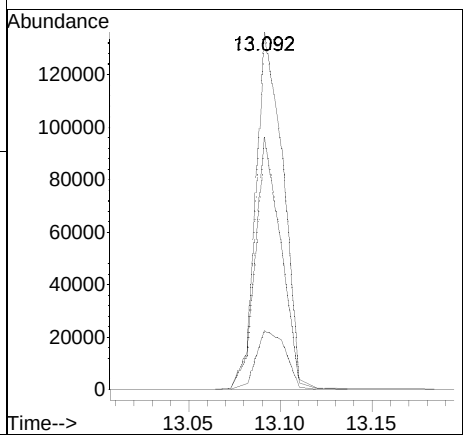


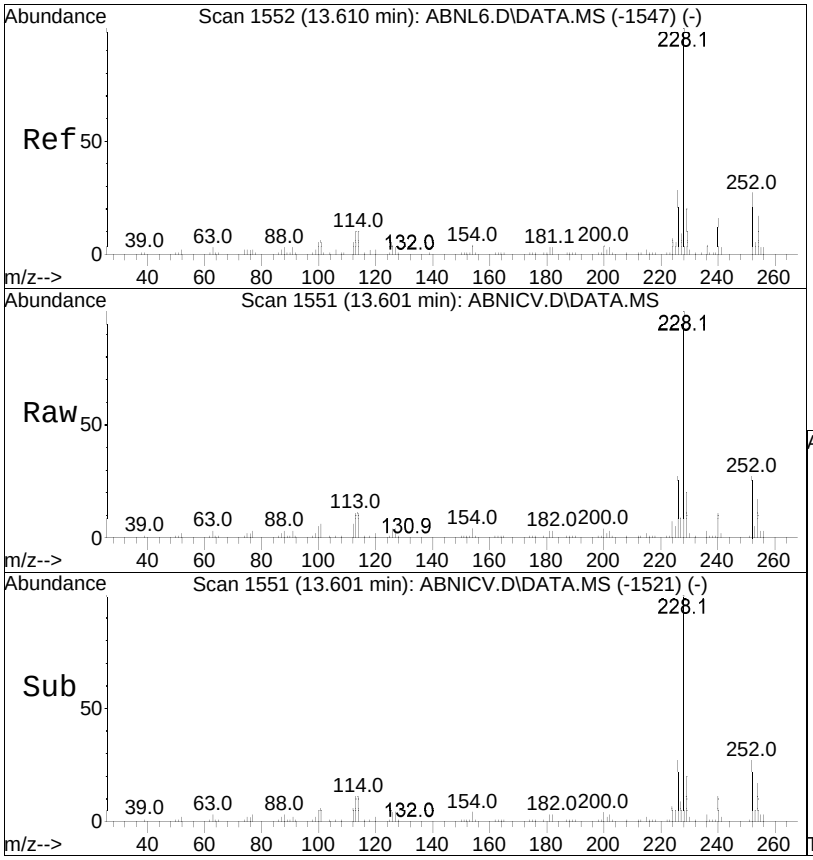


#97
Butyl benzyl phthalate
Concen: 4.30 ug/ml
RT: 13.092 min Scan# 1491
Delta R.T. -0.009 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:149 Resp: 138193

Ion	Ratio	Lower	Upper
149	100		
91	67.4	63.3	94.9
206	18.1	13.9	20.9

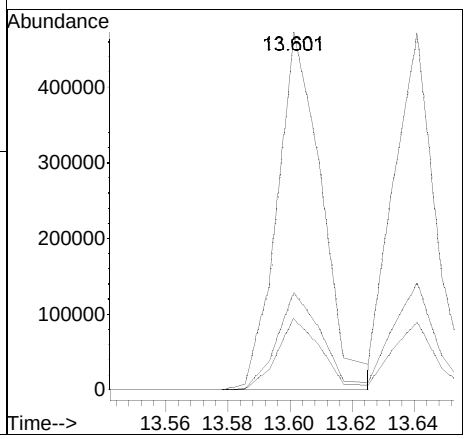


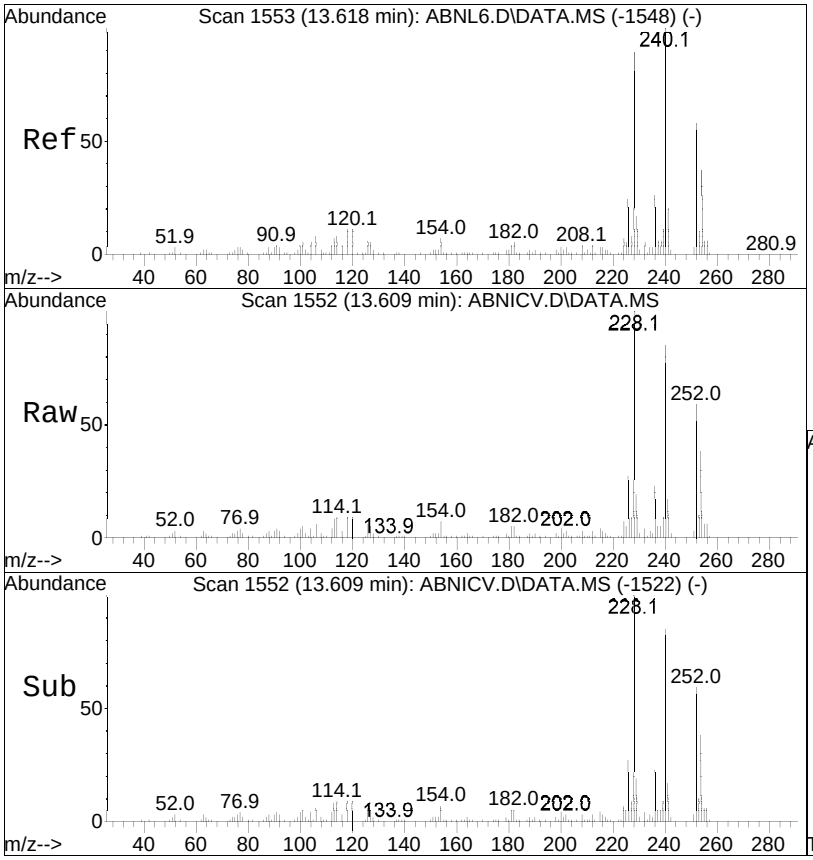


#105
Benzo(a)anthracene
Concen: 5.31 ug/ml
RT: 13.601 min Scan# 1551
Delta R.T. -0.009 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:228 Resp: 475634

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.2	33.4
229	19.9	15.6	23.4

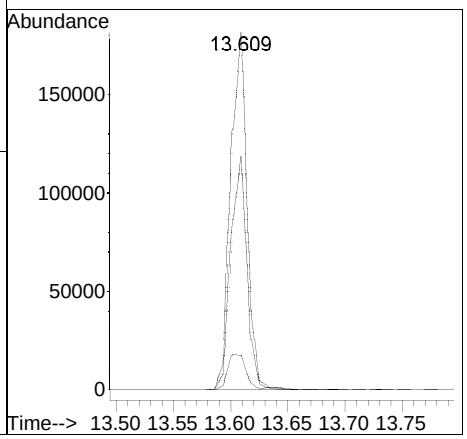


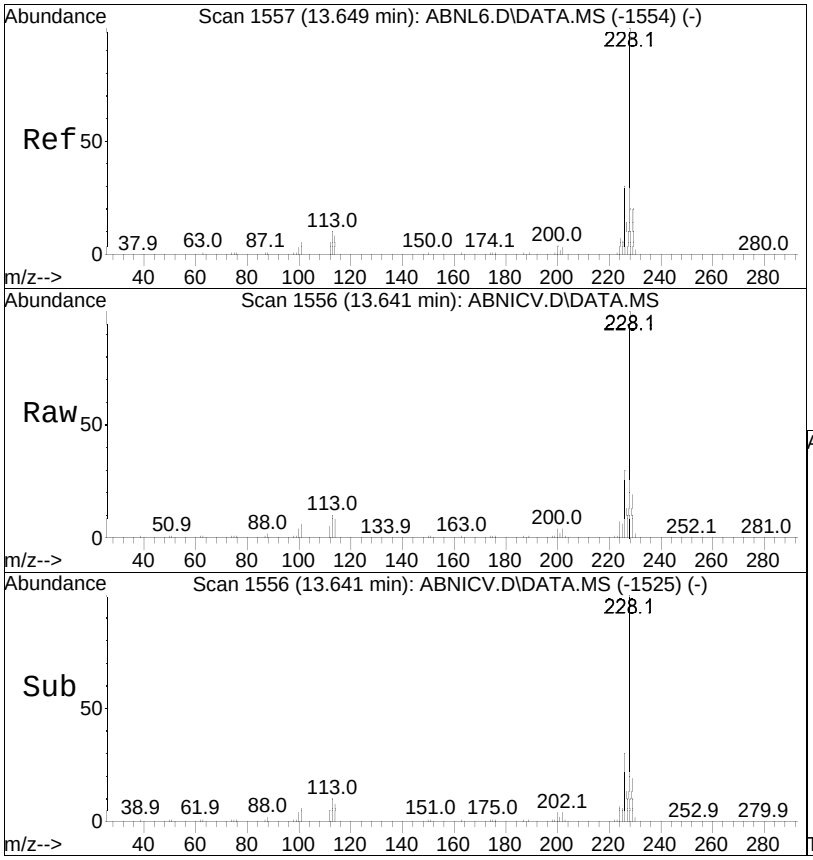


#106
3,3'-Dichlorobenzidine
Concen: 5.96 ug/ml
RT: 13.609 min Scan# 1552
Delta R.T. -0.009 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:252 Resp: 179178

Ion	Ratio	Lower	Upper
252	100		
126	12.4	14.5	21.7#
254	64.7	51.2	76.8

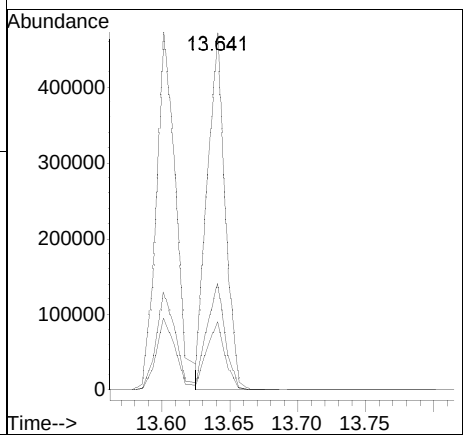


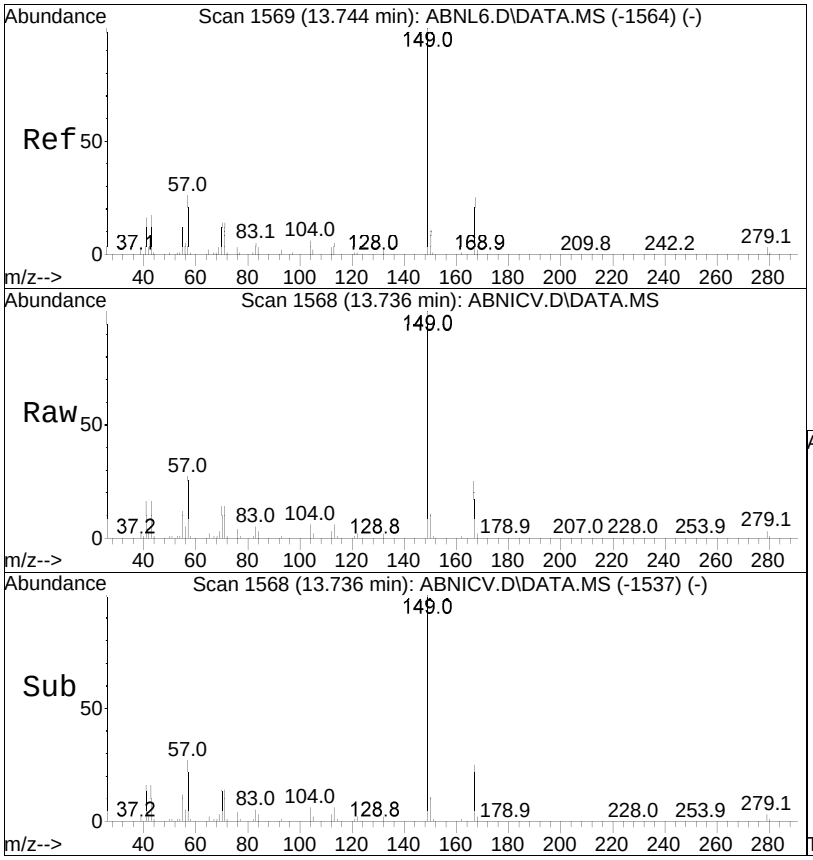


#107
Chrysene
Concen: 4.84 ug/ml
RT: 13.641 min Scan# 1556
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:228 Resp: 429359

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.0	36.0
229	19.3	15.8	23.8

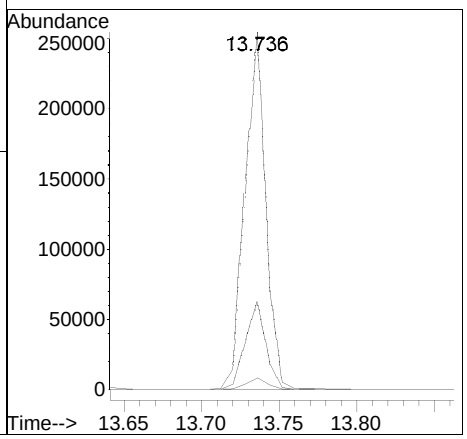


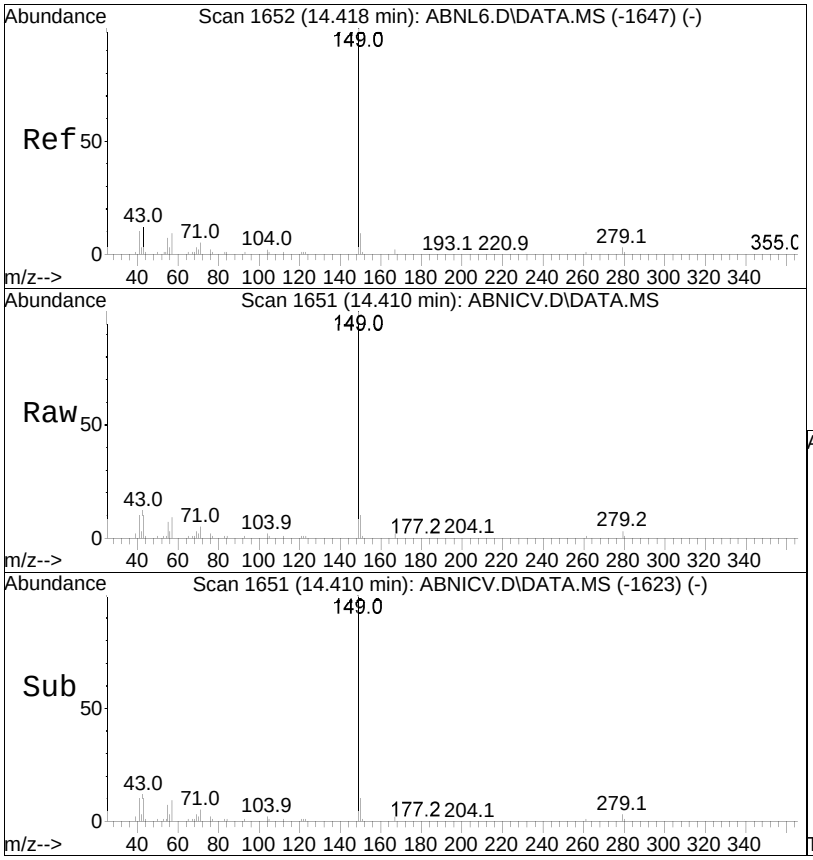


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.61 ug/ml
RT: 13.736 min Scan# 1568
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:149 Resp: 233680

Ion	Ratio	Lower	Upper
149	100		
167	24.6	22.1	33.1
279	3.0	3.0	4.4

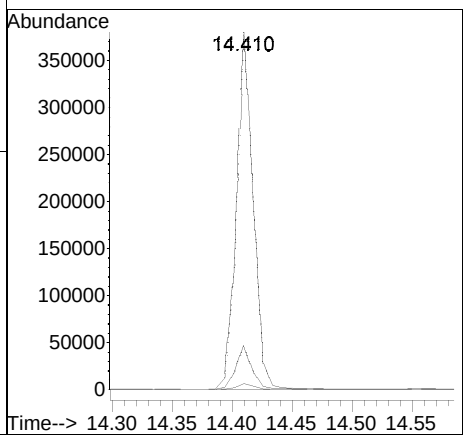


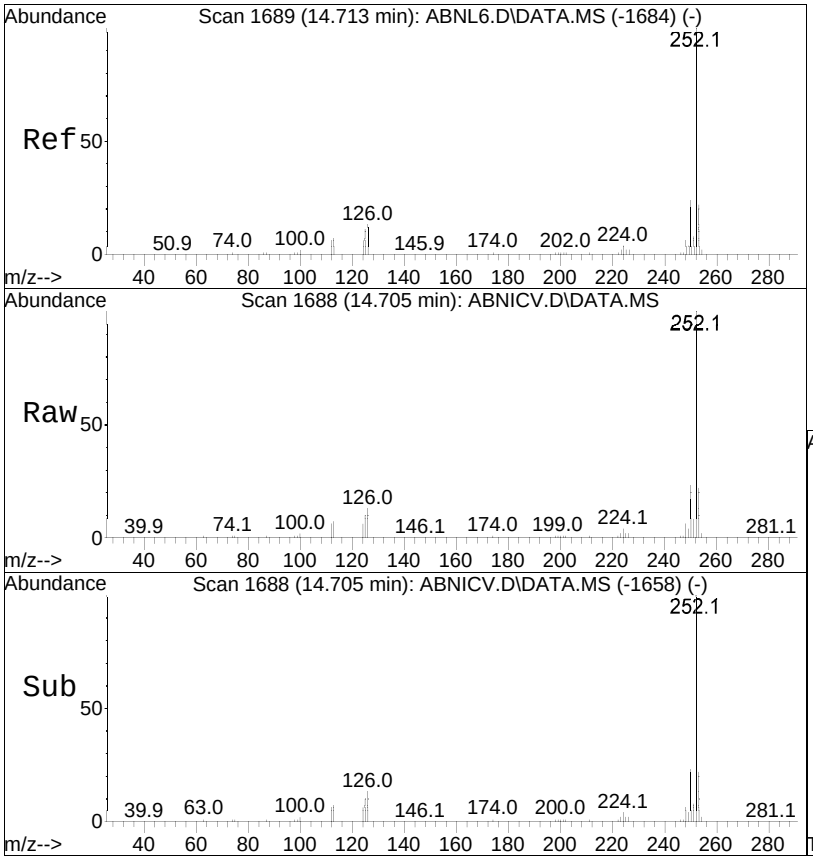


#109
Di-n-octylphthalate
Concen: 4.27 ug/ml
RT: 14.410 min Scan# 1651
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:149 Resp: 361317

Ion	Ratio	Lower	Upper
149	100		
43	12.1	18.8	28.2#
167	1.5	1.3	1.9

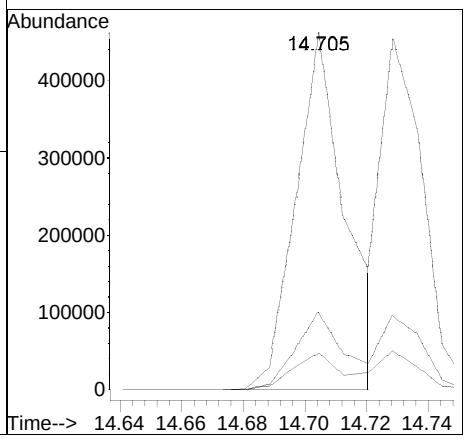


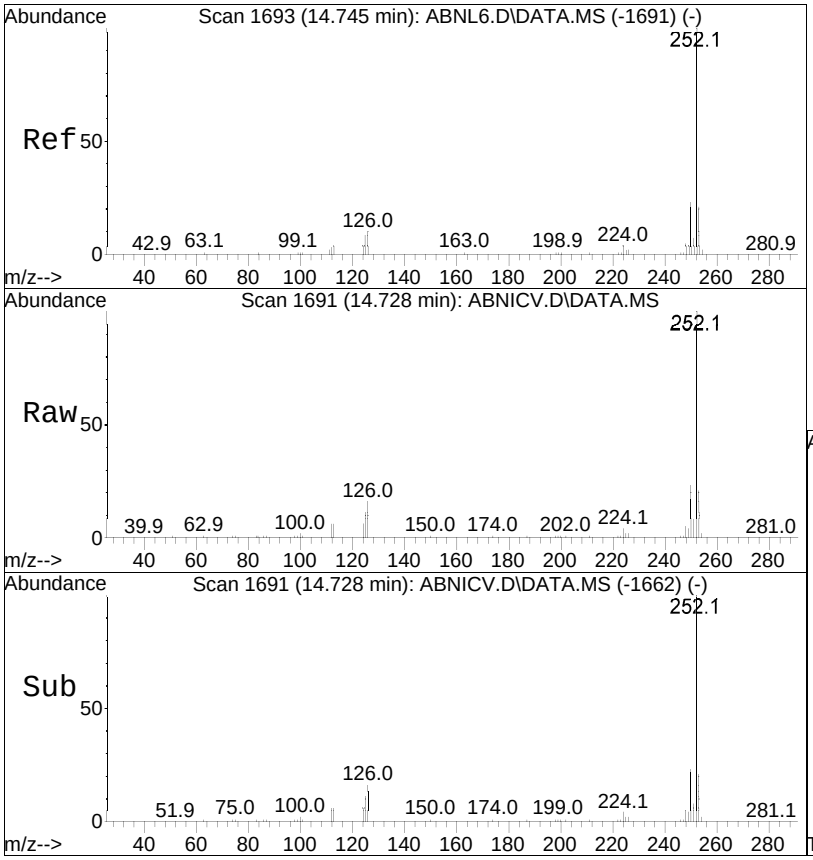


#110
Benzo(b)fluoranthene
Concen: 5.71 ug/ml
RT: 14.705 min Scan# 1688
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:252 Resp: 525748

Ion	Ratio	Lower	Upper
252	100		
125	9.1	13.3	19.9#
253	21.7	17.1	25.7

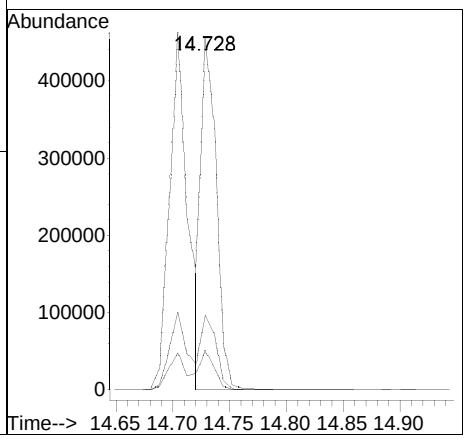


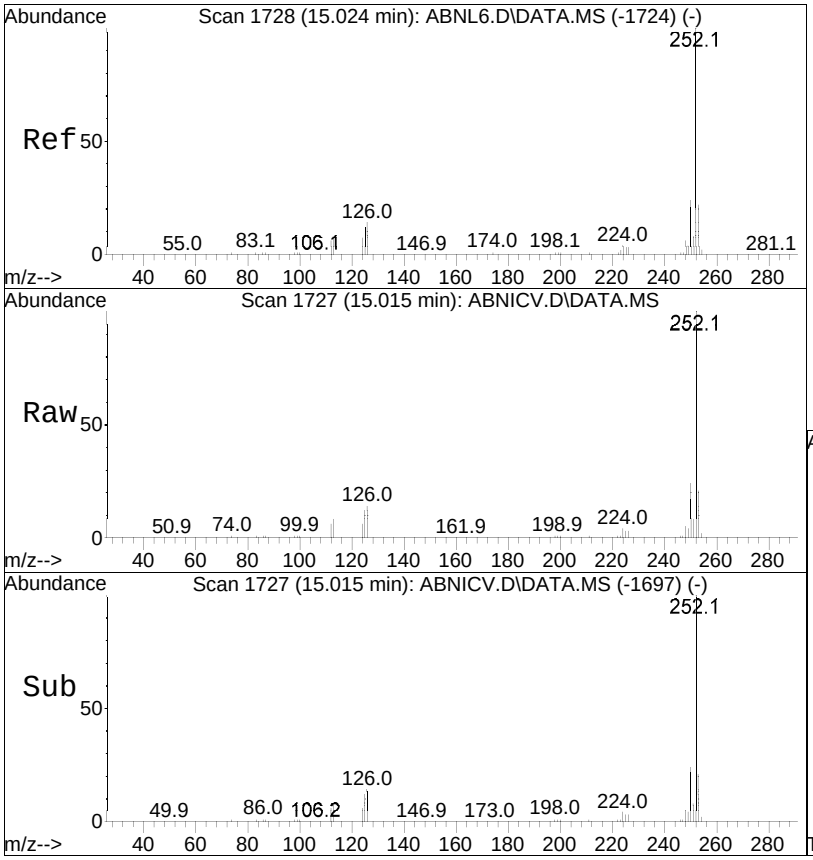


#111
Benzo(k)fluoranthene
Concen: 4.85 ug/ml
RT: 14.728 min Scan# 1691
Delta R.T. -0.017 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:252 Resp: 415673

Ion	Ratio	Lower	Upper
252	100		
125	9.9	13.0	19.6#
253	21.2	16.8	25.2

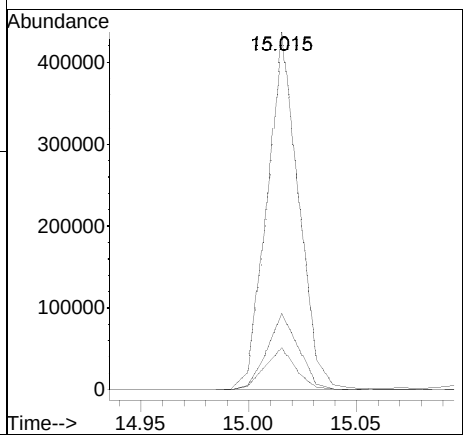


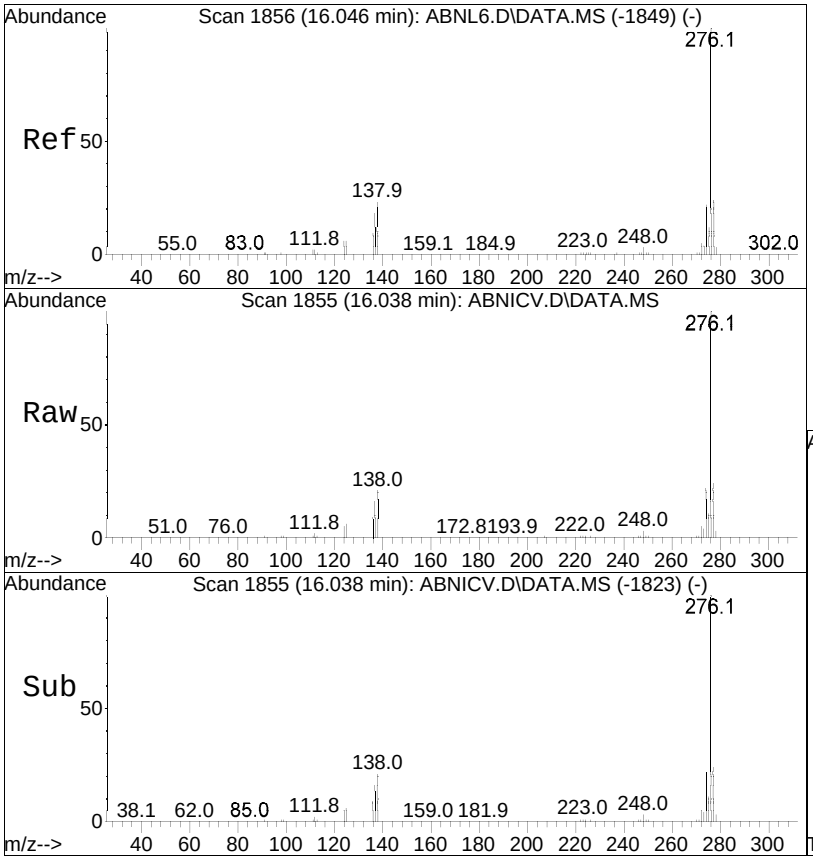


#112
Benzo(a)pyrene
Concen: 5.45 ug/ml
RT: 15.015 min Scan# 1727
Delta R.T. -0.009 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:252 Resp: 441421

Ion	Ratio	Lower	Upper
252	100		
125	11.9	14.2	21.2#
253	21.6	16.9	25.3

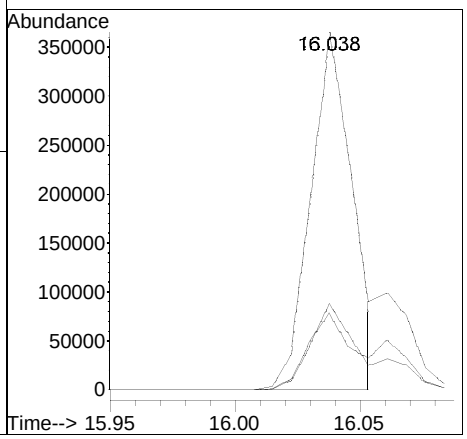


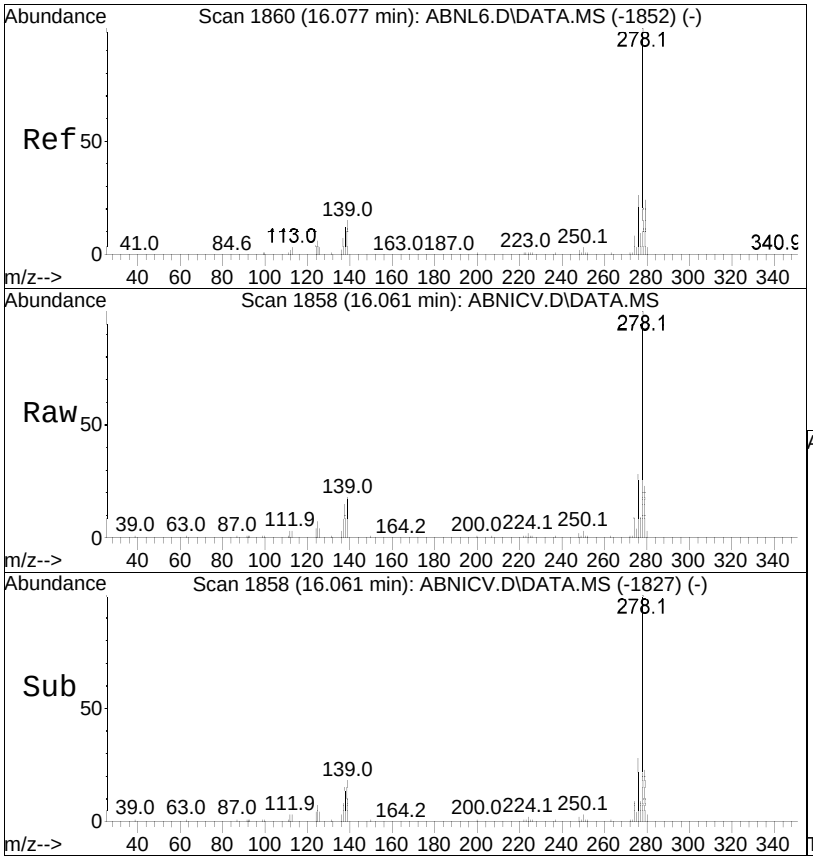


#114
Indeno(1,2,3-cd)pyrene
Concen: 5.39 ug/mL M6
RT: 16.038 min Scan# 1855
Delta R.T. -0.008 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:276 Resp: 425828

Ion	Ratio	Lower	Upper
276	100		
138	33.9	25.1	37.7
277	31.9	18.6	28.0#

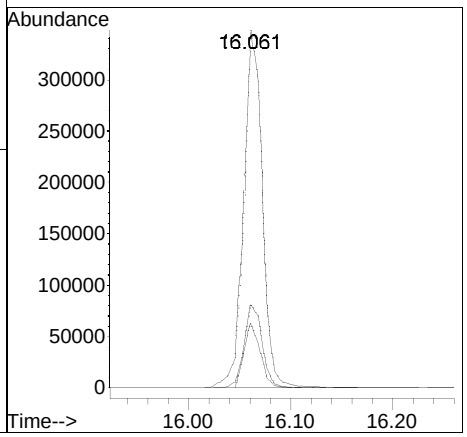


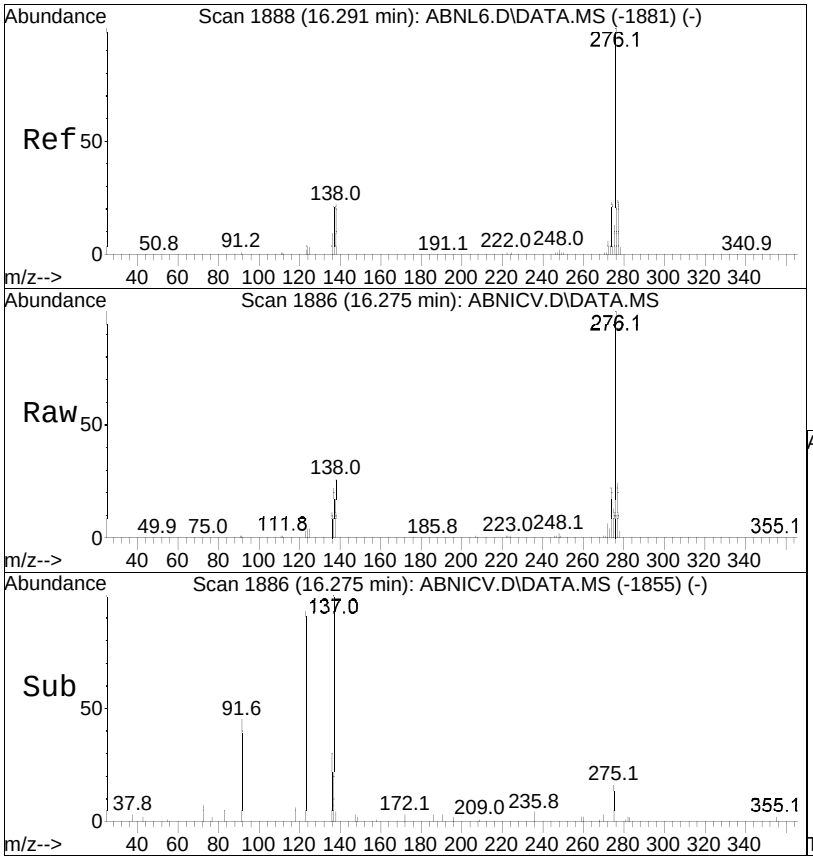


#115
Dibenzo(a,h)anthracene
Concen: 5.55 ug/ml
RT: 16.061 min Scan# 1858
Delta R.T. -0.016 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:278 Resp: 436195

Ion	Ratio	Lower	Upper
278	100		
139	16.1	20.8	31.2#
279	23.0	18.3	27.5

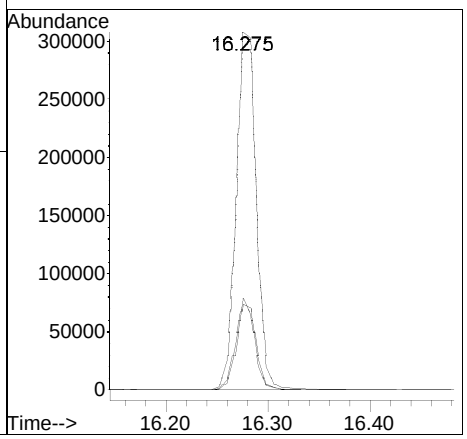




#116
Benzo(ghi)perylene
Concen: 5.39 ug/ml
RT: 16.275 min Scan# 1886
Delta R.T. -0.016 min
Lab File: ABNICV.D
Acq: 11 Mar 2025 10:18 pm

Tgt Ion:276 Resp: 417580

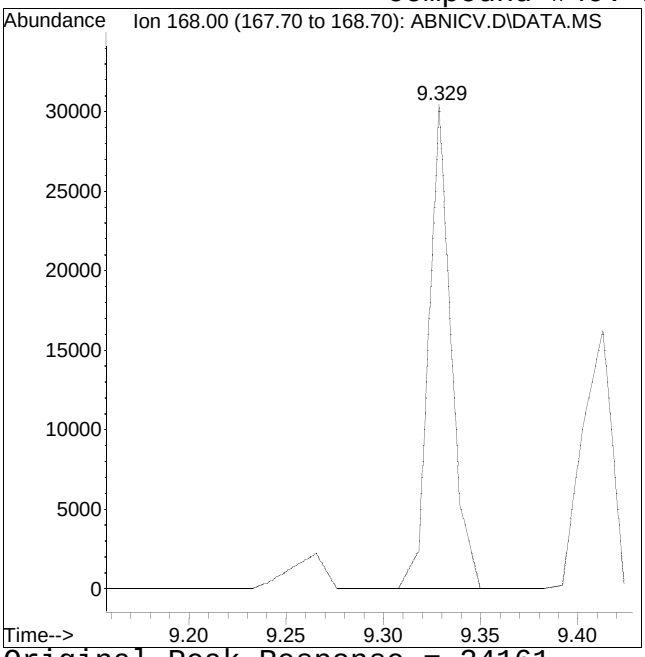
Ion	Ratio	Lower	Upper
276	100		
138	24.2	29.2	43.8#
277	23.8	18.8	28.2



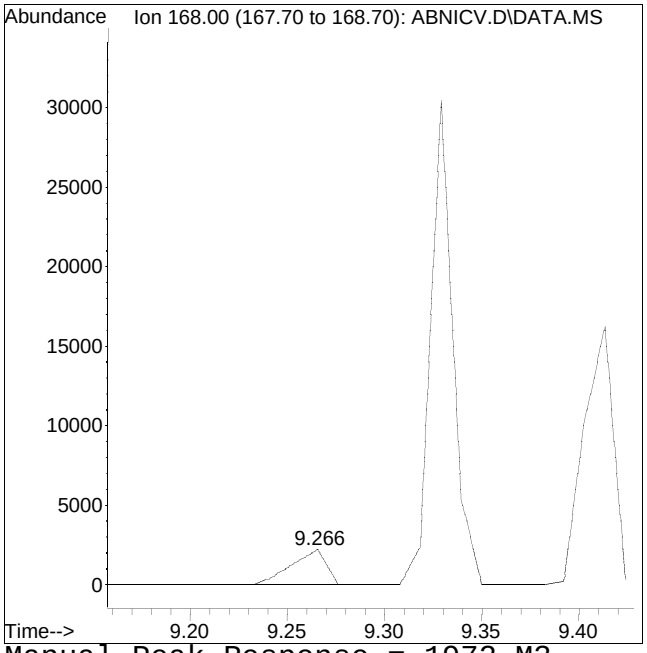
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNICV.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 10:18 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 114Quant Date : 3/12/2025 12:21 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 24161



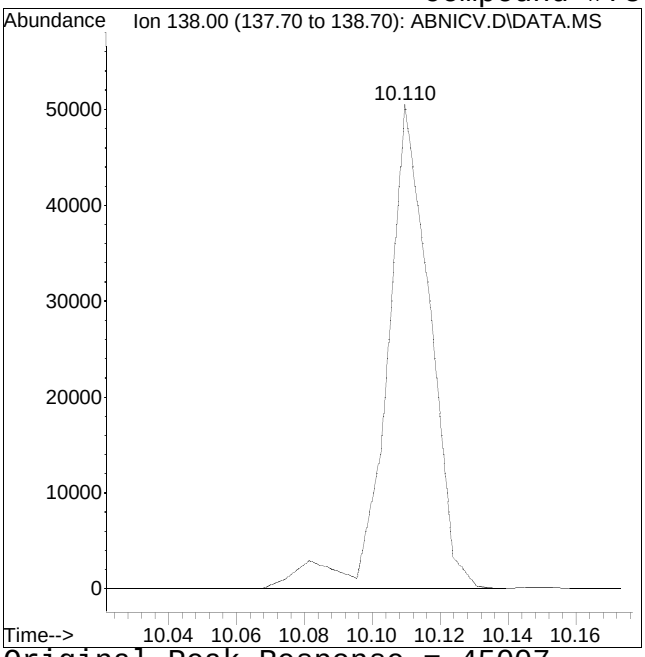
Manual Peak Response = 1972 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

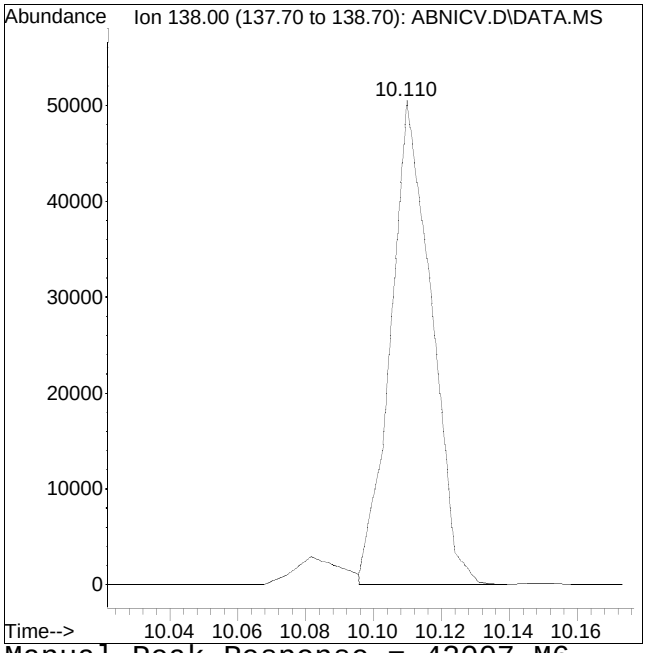
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNICV.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 10:18 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 114Quant Date : 3/12/2025 12:21 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 45007



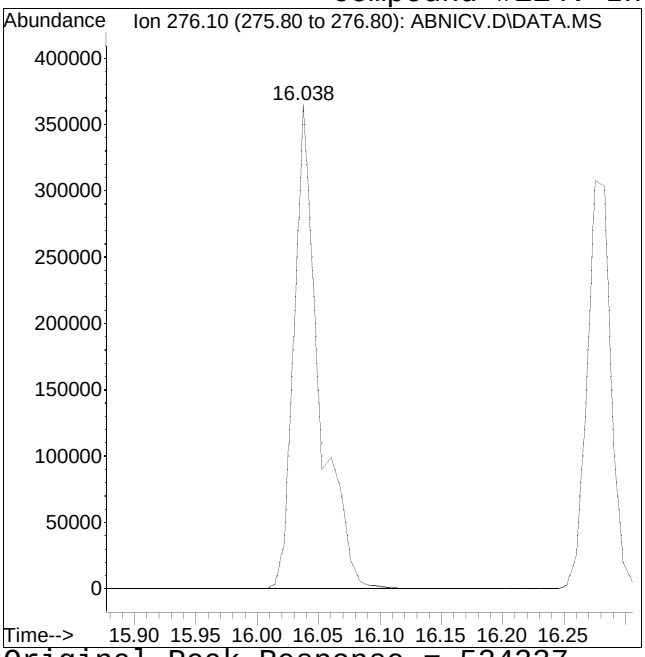
Manual Peak Response = 42007 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

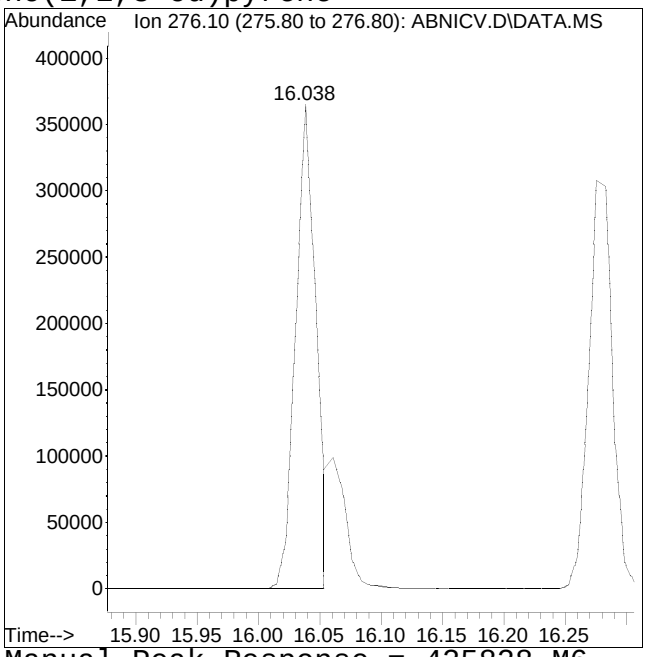
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ABNICV.D Operator : SV106:ljg
Date Inj'd : 3/11/2025 10:18 pm Instrument : SV 106
Sample : CQICV1,32,,ABNICV Lot# 114Quant Date : 3/12/2025 12:21 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 524337



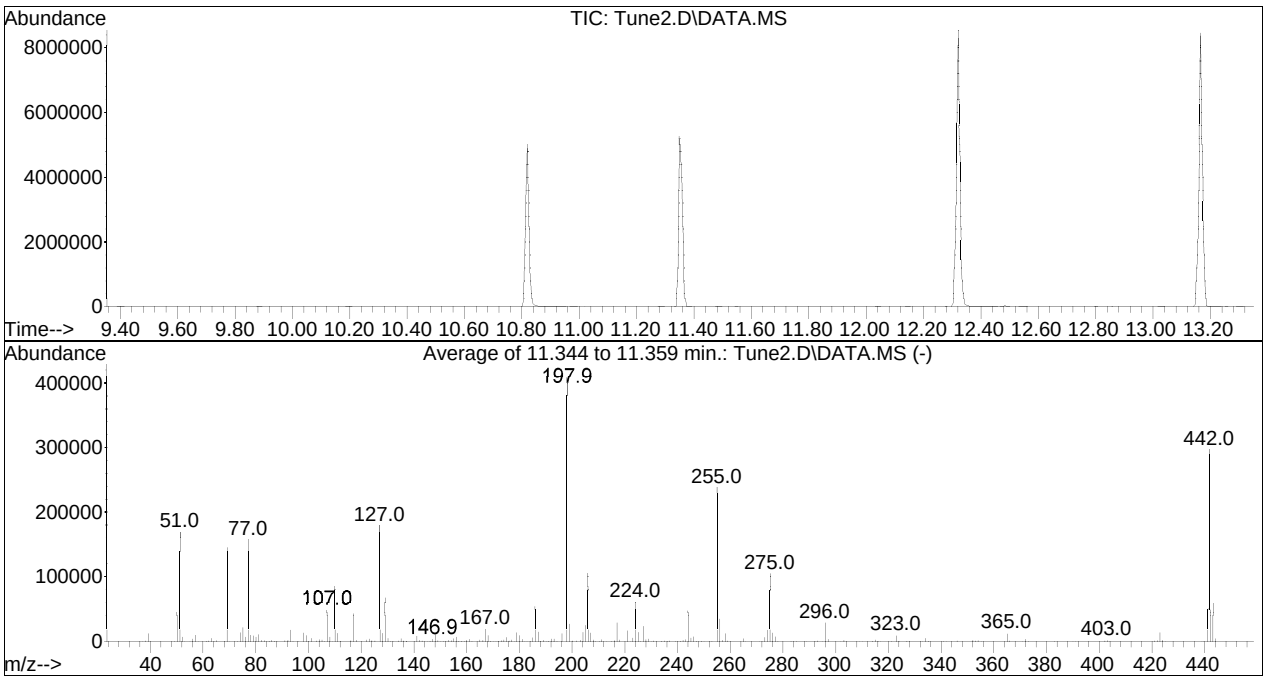
Manual Peak Response = 425828 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune2.D
Acq On : 11 Mar 2025 11:05 pm
Operator : SV106:ljg
Sample : Tune2 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 12 12:21:00 2025



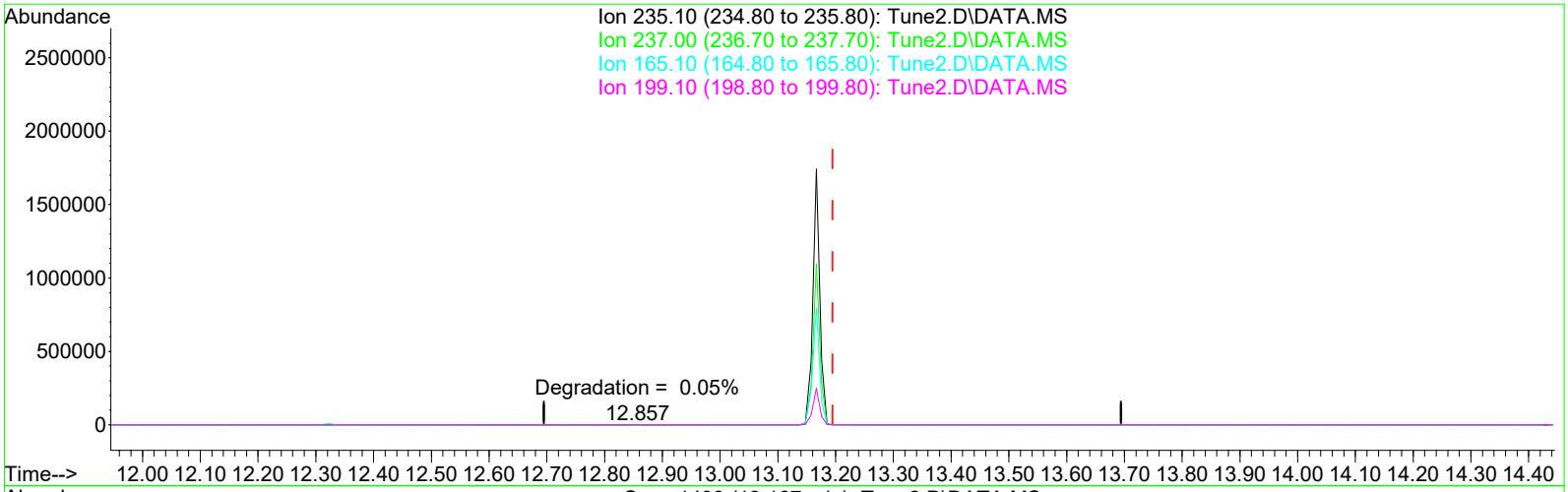
Spectrum Information: Average of 11.344 to 11.359 min.

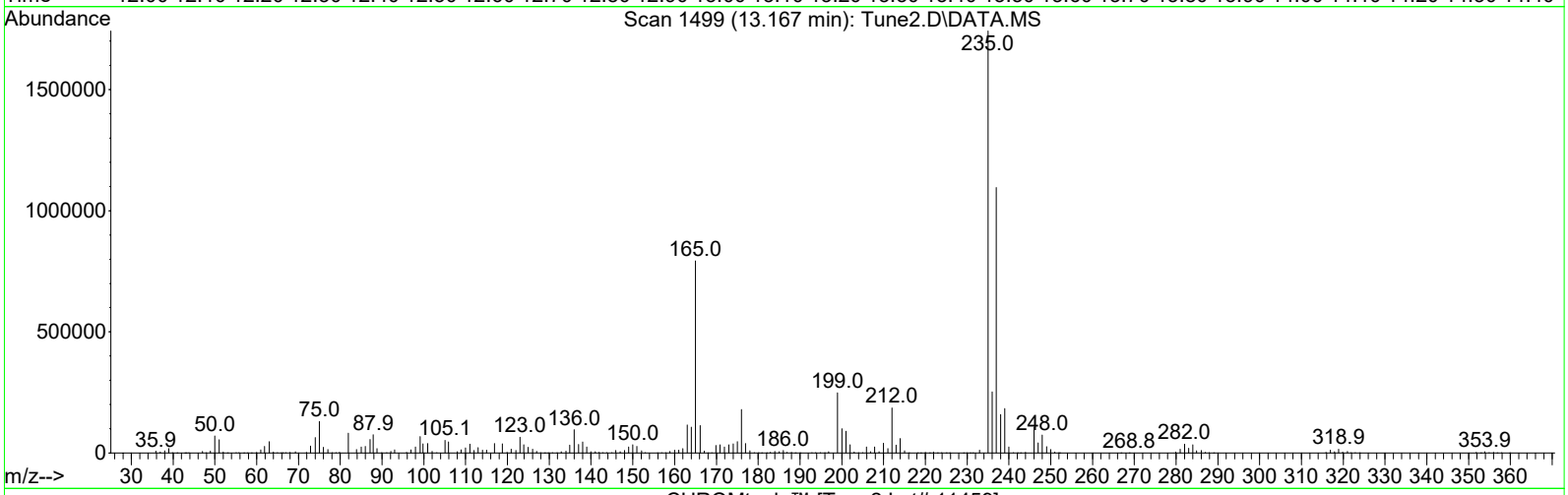
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.4	169072	PASS
68	69	0.00	2	0.7	1091	PASS
69	69	100	100	100.0	145803	PASS
70	69	0.00	2	0.5	719	PASS
127	198	10	80	43.7	178635	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	408317	PASS
199	198	5	9	6.6	27143	PASS
275	198	10	60	25.6	104515	PASS
365	198	1	100	3.0	12385	PASS
441	442	0.01	24	16.9	50261	PASS
442	198	50	100	72.8	297117	PASS
443	442	15	24	19.6	58130	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune2.D
Acq On : 11 Mar 2025 11:05 pm
Operator : SV106:ljg
Sample : Tune2 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 12 06:03:23 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 11459]

(6) DDT (T)

13.167min (-0.028) 266.44

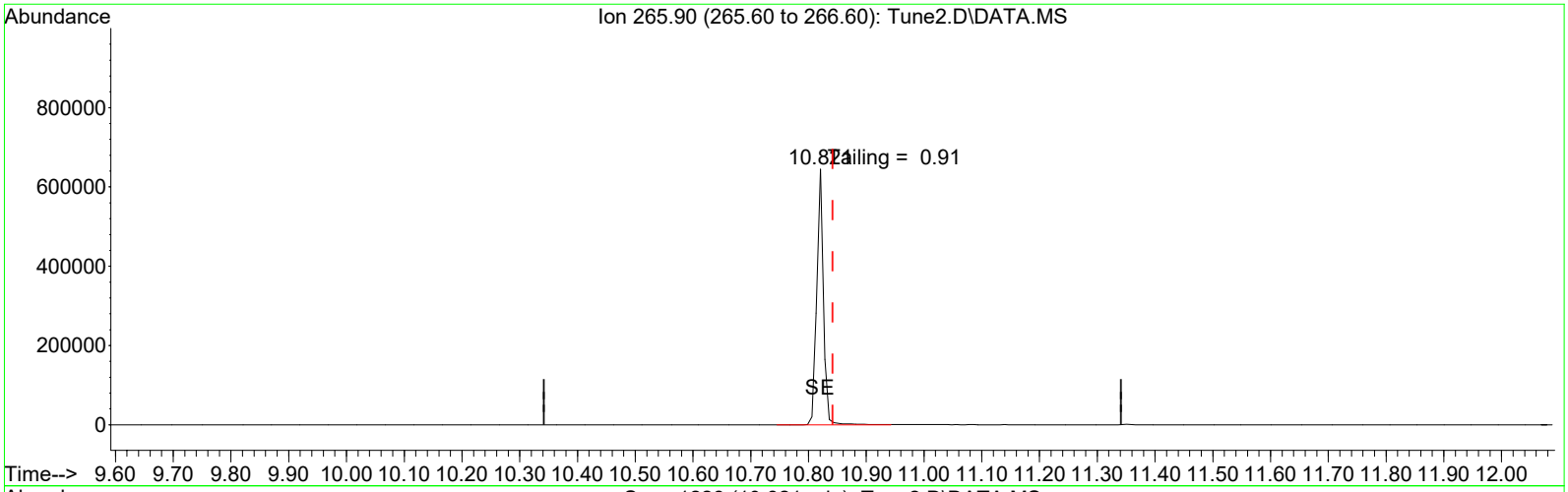
response 1624133

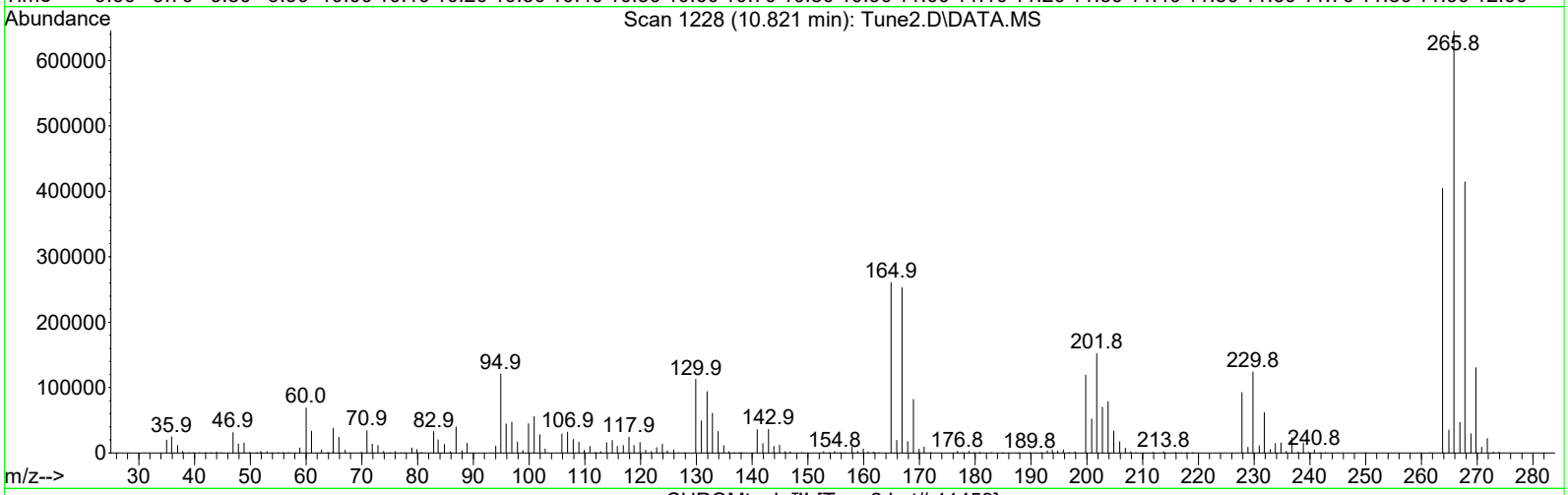
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.60
165.10	44.50	47.70
199.10	14.80	15.39

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune2.D
Acq On : 11 Mar 2025 11:05 pm
Operator : SV106:ljg
Sample : Tune2 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 12 06:03:23 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 11459]

(1) Pentachlorophenol (T)

10.821min (-0.021) 249.67

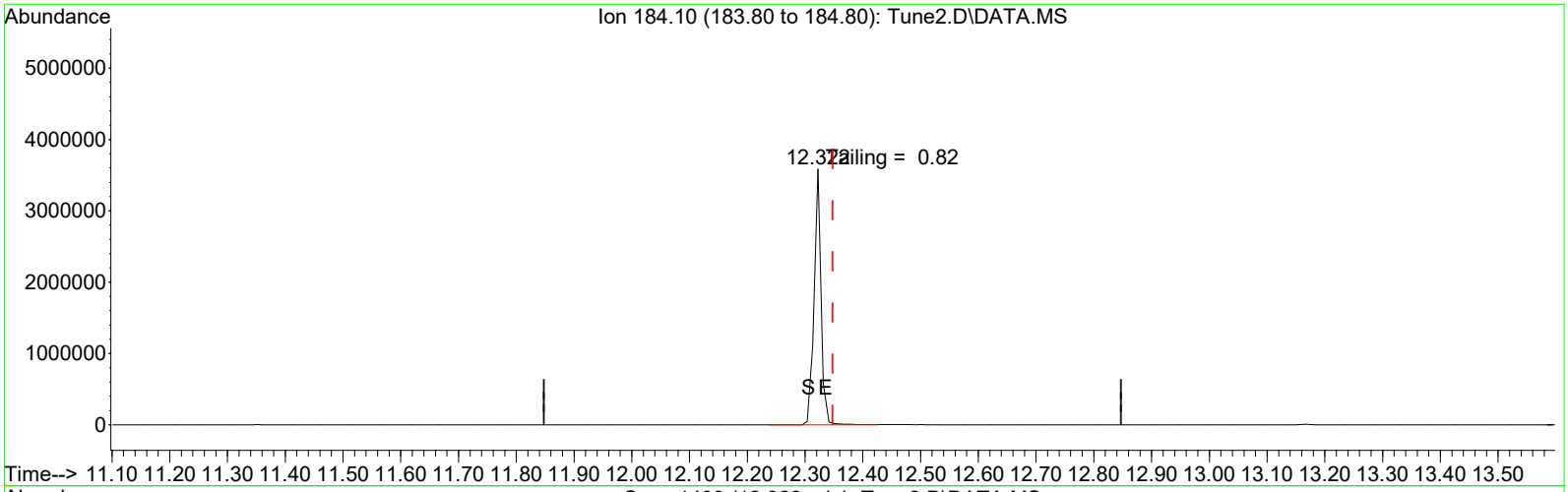
response 524399

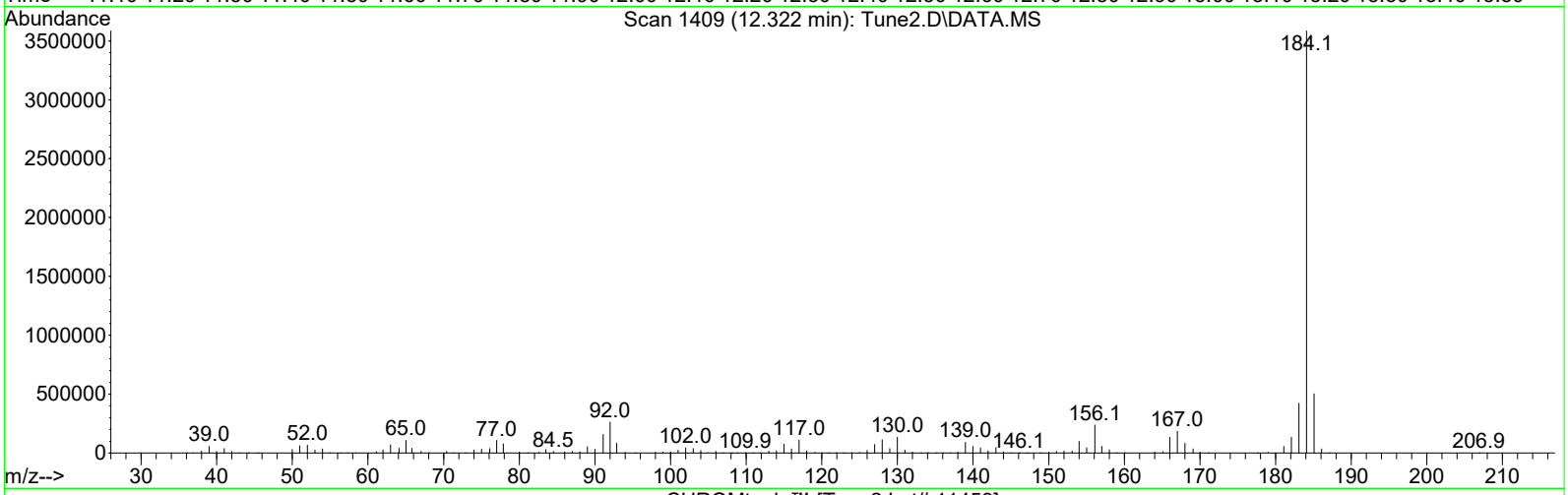
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311RVTical\
Data File : Tune2.D
Acq On : 11 Mar 2025 11:05 pm
Operator : SV106:ljg
Sample : Tune2 Lot# 11459
Misc : WG2039658,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 12 06:03:23 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [Tune2 Lot# 11459]

(3) Benzidine (T)

12.322min (-0.026) 299.48

response 3048761

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L9.D
Acq On : 11 Mar 2025 11:29 pm
Operator : SV106:ljg
Sample : IL2,32,,AP9L50 Lot# 11434
Misc : WG2039658,,ical
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 12 11:30:27 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.351	152	56507	4.000	ug/ml	0.00
Standard Area 3 = 56555			Recovery = 99.92%			
55) IS2_Naphthalene-d8	7.783	136	207695	4.000	ug/ml	# 0.00
Standard Area 3 = 212446			Recovery = 97.76%			
83) IS2_Acenaphthene-d10	9.550	164	128104	4.000	ug/ml	0.00
Standard Area 3 = 130976			Recovery = 97.81%			
98) IS2_Phenanthrene-d10	10.988	188	264496	4.000	ug/ml	0.00
Standard Area 3 = 265623			Recovery = 99.58%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.765	105	692346	51.385	ug/ml	94
29) Acetophenone	6.852	105	1206217	51.886	ug/ml#	86
30) m-Toluidine	6.957	106	1177895	55.063	ug/ml	95
31) 2-Chloroaniline	7.363	127	1081318	51.693	ug/ml#	93
56) a-Terpineol	7.869	59	792895	55.569	ug/ml	90
57) 3-Chloroaniline	7.876	65	377672	52.155	ug/ml	90
58) 2,6-Dichlorophenol	7.905	162	765728	54.607	ug/ml	99
59) 1-chloro-2-nitrobenzene	8.171	111	327148	58.347	ug/ml#	1
60) Caprolactam	8.229	55	477174	55.833	ug/ml#	85
61) 1,2,4,5-Tetrachloroben...	8.701	216	1008535	48.377	ug/ml	97
62) Biphenyl	9.001	154	2201044	47.879	ug/ml	99
84) Dichloran	10.692	206	266944	49.857	ug/ml#	67
85) Pentachloronitrobenzene	10.836	237	288429	62.594	ug/ml#	79
99) Diphenamid	11.900	167	1638112	60.017	ug/ml#	79

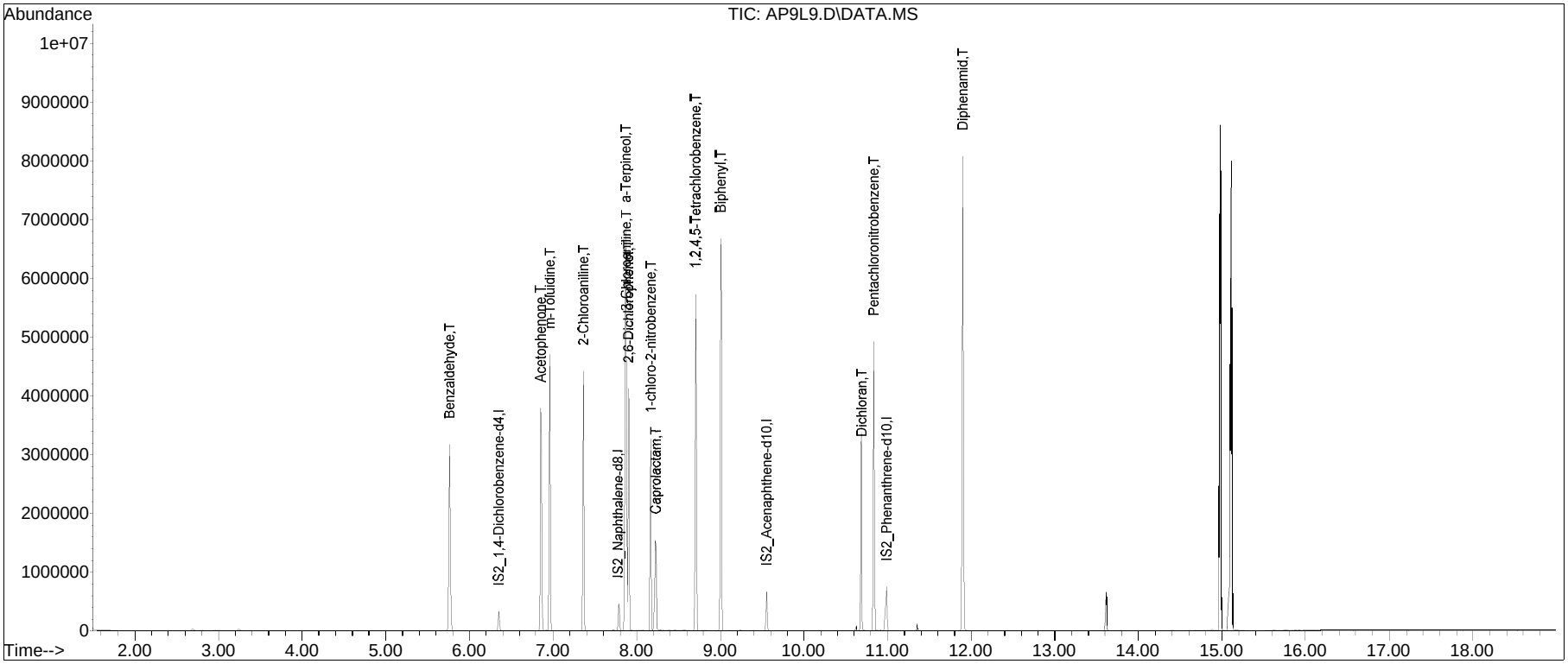
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L9.D
Acq On : 11 Mar 2025 11:29 pm
Operator : SV106:ljg
Sample : IL2,32,,AP9L50 Lot# 11434
Misc : WG2039658,,ical
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 12 11:30:27 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L9.D	Operator	: SV106:ljg
Date Inj'd	: 3/11/2025 11:29 pm	Instrument	: SV 106
Sample	: IL2,32,,AP9L50 Lot# 11434	Quant Date	: 3/12/2025 11:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L8.D
Acq On : 11 Mar 2025 11:52 pm
Operator : SV106:ljg
Sample : IL3,32,,AP9L25 Lot# 11435
Misc : WG2039658,,ical
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 12 11:30:17 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.351	152	55563	4.000	ug/ml	0.00
Standard Area 3 = 56555			Recovery = 98.25%			
55) IS2_Naphthalene-d8	7.783	136	210049	4.000	ug/ml	# 0.00
Standard Area 3 = 212446			Recovery = 98.87%			
83) IS2_Acenaphthene-d10	9.550	164	131615	4.000	ug/ml	0.00
Standard Area 3 = 130976			Recovery = 100.49%			
98) IS2_Phenanthrene-d10	10.988	188	268349	4.000	ug/ml	0.00
Standard Area 3 = 265623			Recovery = 101.03%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.765	105	378349	28.558	ug/ml	96
29) Acetophenone	6.852	105	656452	28.717	ug/ml#	87
30) m-Toluidine	6.957	106	644657	30.648	ug/ml	95
31) 2-Chloroaniline	7.363	127	605573	29.442	ug/ml#	93
56) a-Terpineol	7.862	59	426099	29.528	ug/ml	89
57) 3-Chloroaniline	7.876	65	209786	28.646	ug/ml	91
58) 2,6-Dichlorophenol	7.898	162	418336	29.499	ug/ml	99
59) 1-chloro-2-nitrobenzene	8.171	111	175202	30.897	ug/ml#	1
60) Caprolactam	8.222	55	263008	30.429	ug/ml#	85
61) 1,2,4,5-Tetrachloroben...	8.701	216	559974	26.560	ug/ml	97
62) Biphenyl	9.001	154	1233086	26.523	ug/ml	99
84) Dichloran	10.685	206	136072	25.684	ug/ml#	68
85) Pentachloronitrobenzene	10.836	237	151819	32.068	ug/ml#	79
99) Diphenamid	11.900	167	902672	32.597	ug/ml#	79

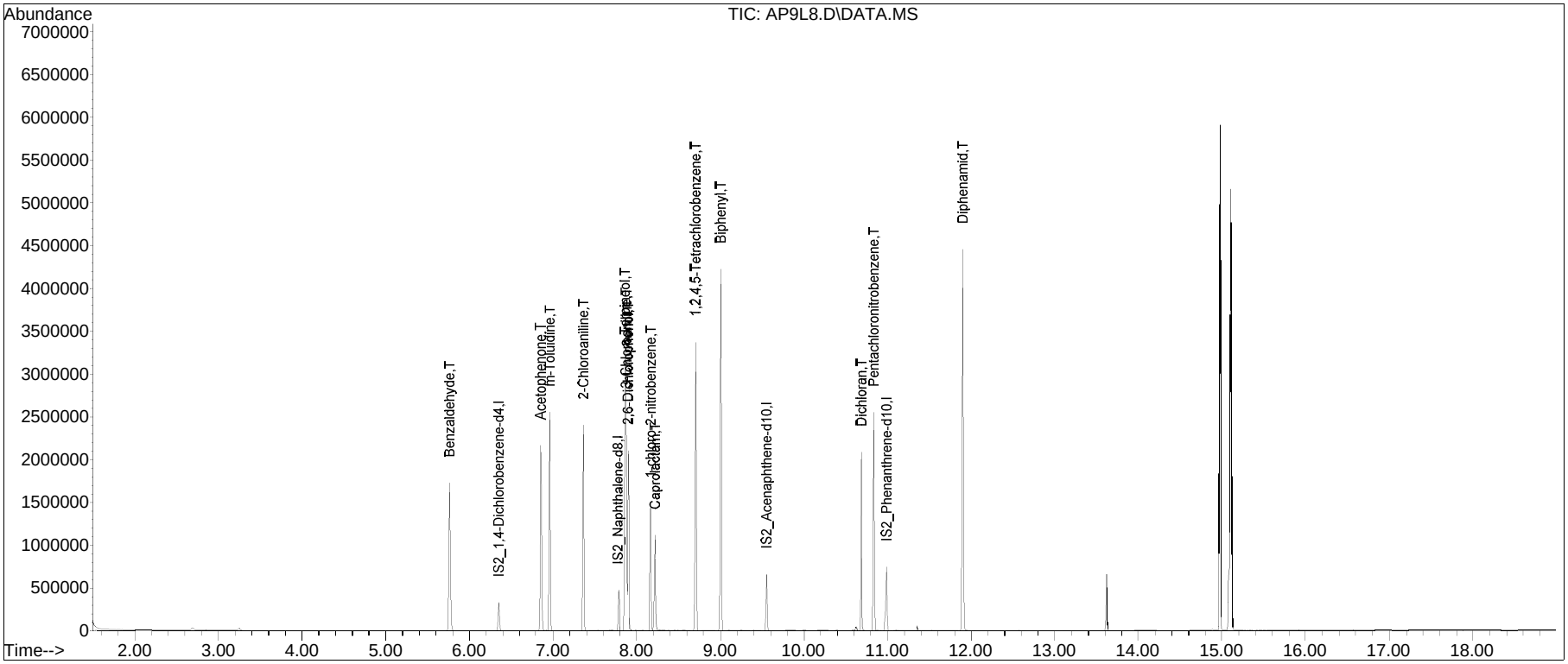
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L8.D
Acq On : 11 Mar 2025 11:52 pm
Operator : SV106:ljg
Sample : IL3,32,,AP9L25 Lot# 11435
Misc : WG2039658,,ical
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 12 11:30:17 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L8.D	Operator	: SV106:ljg
Date Inj'd	: 3/11/2025 11:52 pm	Instrument	: SV 106
Sample	: IL3,32,,AP9L25 Lot# 11435	Quant Date	: 3/12/2025 11:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L7.D
Acq On : 12 Mar 2025 12:15 am
Operator : SV106:ljg
Sample : IL4,32,,AP9L10 Lot# 11436
Misc : WG2039658,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 12 11:30:08 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.351	152	55037	4.000	ug/ml		0.00
Standard Area 3 = 56555			Recovery = 97.32%				
55) IS2_Naphthalene-d8	7.782	136	200736	4.000	ug/ml	#	0.00
Standard Area 3 = 212446			Recovery = 94.49%				
83) IS2_Acenaphthene-d10	9.550	164	125270	4.000	ug/ml		0.00
Standard Area 3 = 130976			Recovery = 95.64%				
98) IS2_Phenanthrene-d10	10.988	188	258864	4.000	ug/ml		0.00
Standard Area 3 = 265623			Recovery = 97.46%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.764	105	127937	9.749	ug/ml		97
29) Acetophenone	6.852	105	221932	9.802	ug/ml	#	87
30) m-Toluidine	6.957	106	214835	10.311	ug/ml		95
31) 2-Chloroaniline	7.363	127	205777	10.100	ug/ml	#	93
56) a-Terpineol	7.862	59	138352	10.032	ug/ml		87
57) 3-Chloroaniline	7.869	65	70617	10.090	ug/ml		94
58) 2,6-Dichlorophenol	7.898	162	137362	10.135	ug/ml		97
59) 1-chloro-2-nitrobenzene	8.164	111	56147	10.361	ug/ml	#	1
60) Caprolactam	8.207	55	83234	10.077	ug/ml	#	85
61) 1,2,4,5-Tetrachloroben...	8.701	216	191058	9.482	ug/ml		97
62) Biphenyl	9.000	154	416182	9.367	ug/ml		98
84) Dichloran	10.685	206	37998	8.864	ug/ml	#	71
85) Pentachloronitrobenzene	10.836	237	45991	10.207	ug/ml	#	80
99) Diphenamid	11.900	167	286356	10.720	ug/ml	#	78

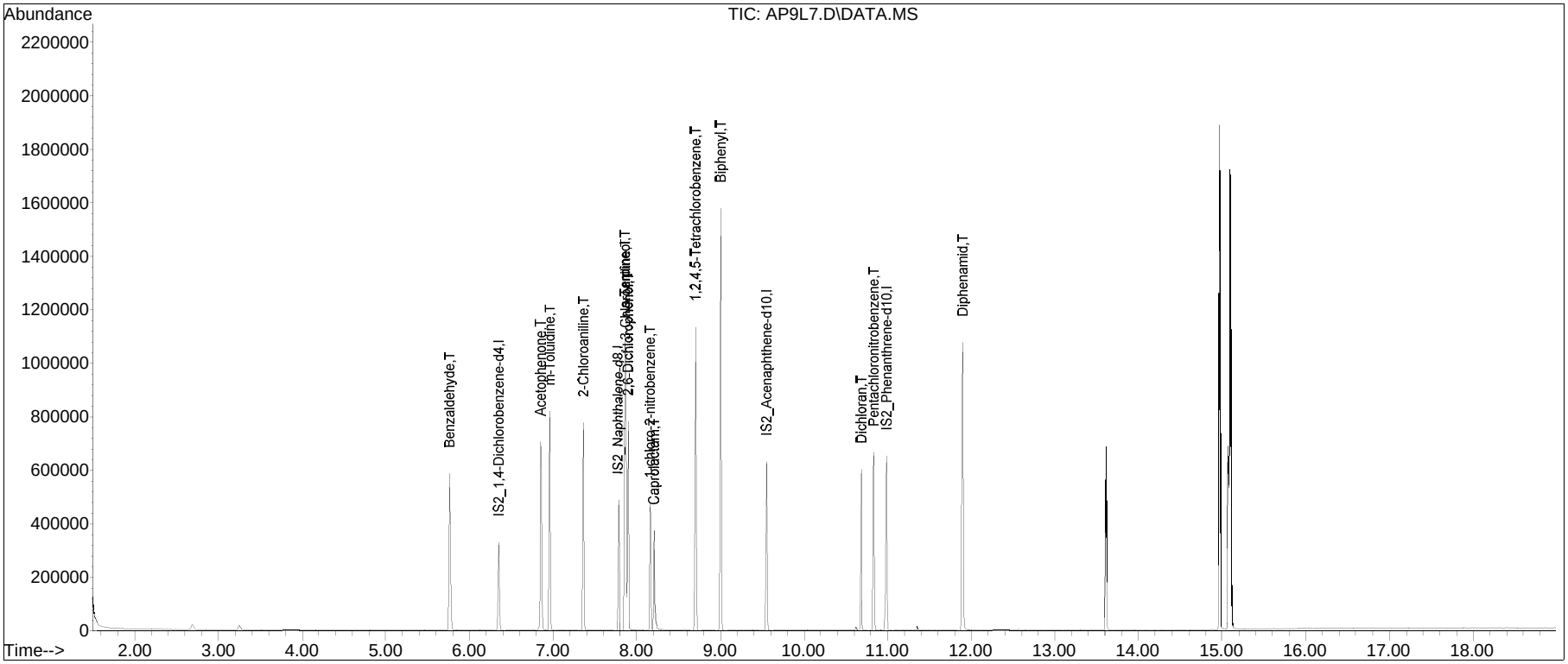
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L7.D
Acq On : 12 Mar 2025 12:15 am
Operator : SV106:ljg
Sample : IL4,32,,AP9L10 Lot# 11436
Misc : WG2039658,,ical
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 12 11:30:08 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L7.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 12:15 am	Instrument	: SV 106
Sample	: IL4,32,,AP9L10 Lot# 11436	Quant Date	: 3/12/2025 11:31 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L6.D
Acq On : 12 Mar 2025 12:39 am
Operator : SV106:ljg
Sample : IL5,32,,AP9L5 Lot# 11437
Misc : WG2039658,,ical
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 12 11:29:58 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.351	152	56555	4.000	ug/ml		0.00
Standard Area 3 = 56555			Recovery =	100.00%			
55) IS2_Naphthalene-d8	7.782	136	212446	4.000	ug/ml	#	0.00
Standard Area 3 = 212446			Recovery =	100.00%			
83) IS2_Acenaphthene-d10	9.550	164	130976	4.000	ug/ml		0.00
Standard Area 3 = 130976			Recovery =	100.00%			
98) IS2_Phenanthrene-d10	10.988	188	265623	4.000	ug/ml		0.00
Standard Area 3 = 265623			Recovery =	100.00%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.764	105	66637	4.942	ug/ml		97
29) Acetophenone	6.860	105	117703	5.059	ug/ml	#	85
30) m-Toluidine	6.957	106	110078	5.141	ug/ml		94
31) 2-Chloroaniline	7.363	127	103893	4.962	ug/ml	#	94
56) a-Terpineol	7.862	59	72135	4.942	ug/ml		87
57) 3-Chloroaniline	7.876	65	37253	5.029	ug/ml		90
58) 2,6-Dichlorophenol	7.898	162	70130	4.889	ug/ml		97
59) 1-chloro-2-nitrobenzene	8.164	111	27639	4.819	ug/ml	#	1
60) Caprolactam	8.207	55	39331	4.499	ug/ml	#	85
61) 1,2,4,5-Tetrachloroben...	8.701	216	101229	4.747	ug/ml		97
62) Biphenyl	9.000	154	224028	4.764	ug/ml		97
84) Dichloran	10.685	206	17591	4.973	ug/ml	#	68
85) Pentachloronitrobenzene	10.836	237	21652	4.596	ug/ml	#	79
99) Diphenamid	11.900	167	141548	5.164	ug/ml	#	78

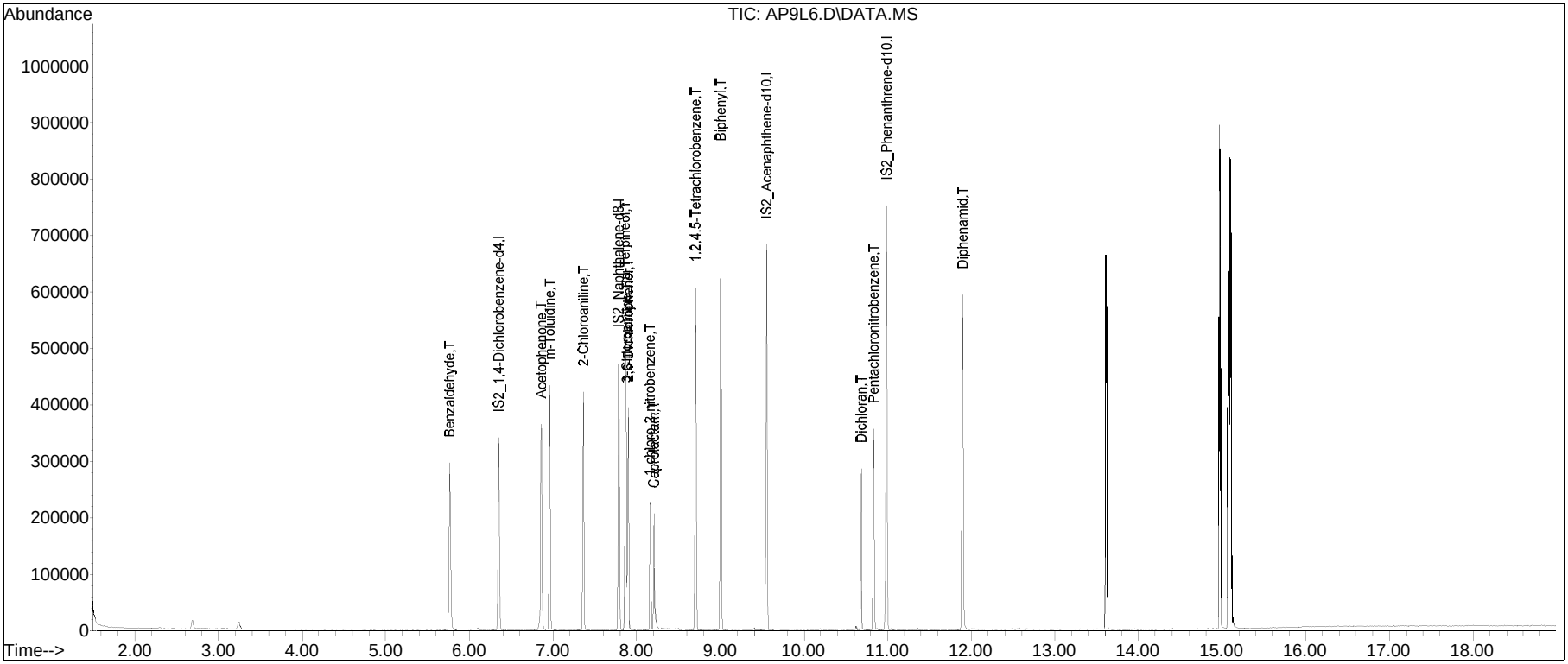
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L6.D
Acq On : 12 Mar 2025 12:39 am
Operator : SV106:ljg
Sample : IL5,32,,AP9L5 Lot# 11437
Misc : WG2039658,,ical
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 12 11:29:58 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L6.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 12:39 am	Instrument	: SV 106
Sample	: IL5,32,,AP9L5 Lot# 11437	Quant Date	: 3/12/2025 11:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L5.D
Acq On : 12 Mar 2025 1:02 am
Operator : SV106:ljg
Sample : IL6,32,,AP9L2.5 Lot# 11438
Misc : WG2039658,,ical
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 12 11:29:48 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.351	152	58916	4.000	ug/ml		0.00
Standard Area 3 = 56555			Recovery =	104.17%			
55) IS2_Naphthalene-d8	7.783	136	212580	4.000	ug/ml	#	0.00
Standard Area 3 = 212446			Recovery =	100.06%			
83) IS2_Acenaphthene-d10	9.550	164	131775	4.000	ug/ml		0.00
Standard Area 3 = 130976			Recovery =	100.61%			
98) IS2_Phenanthrene-d10	10.988	188	271904	4.000	ug/ml		0.00
Standard Area 3 = 265623			Recovery =	102.36%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.773	105	31831	2.266	ug/ml		94
29) Acetophenone	6.860	105	55304	2.282	ug/ml	#	90
30) m-Toluidine	6.957	106	51347	2.302	ug/ml		92
31) 2-Chloroaniline	7.363	127	50423	2.312	ug/ml	#	93
56) a-Terpineol	7.862	59	33440	2.290	ug/ml	#	85
57) 3-Chloroaniline	7.869	65	17116	2.309	ug/ml		92
58) 2,6-Dichlorophenol	7.898	162	31326	2.183	ug/ml		95
59) 1-chloro-2-nitrobenzene	8.164	111	13125	2.287	ug/ml	#	1
60) Caprolactam	8.207	55	18027	2.061	ug/ml	#	87
61) 1,2,4,5-Tetrachloroben...	8.701	216	48940	2.294	ug/ml	#	97
62) Biphenyl	9.000	154	107255	2.280	ug/ml		98
84) Dichloran	10.685	206	7106	3.122	ug/ml	#	75
85) Pentachloronitrobenzene	10.836	237	9780	2.063	ug/ml	#	77
99) Diphenamid	11.891	167	60772	2.166	ug/ml	#	79

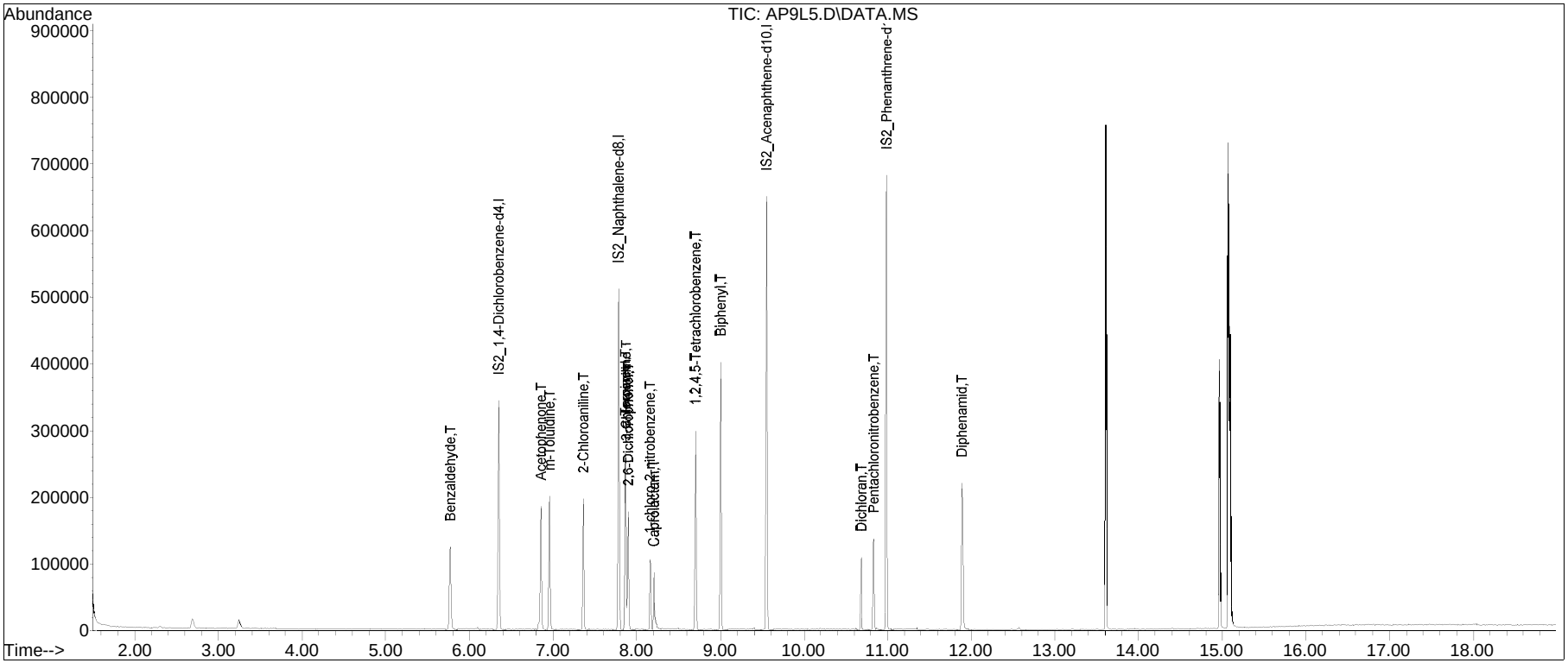
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L5.D
Acq On : 12 Mar 2025 1:02 am
Operator : SV106:ljg
Sample : IL6,32,,AP9L2.5 Lot# 11438
Misc : WG2039658,,ical
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 12 11:29:48 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L5.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 1:02 am	Instrument	: SV 106
Sample	: IL6,32,,AP9L2.5 Lot# 11438	Quant Date	: 3/12/2025 11:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L4.D
Acq On : 12 Mar 2025 1:26 am
Operator : SV106:ljg
Sample : IL7,32,,AP9L1 Lot# 11439
Misc : WG2039658,,ical
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 12 11:29:38 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.351	152	57343	4.000	ug/ml		0.00
Standard Area 3 = 56555			Recovery =	101.39%			
55) IS2_Naphthalene-d8	7.783	136	205569	4.000	ug/ml	#	0.00
Standard Area 3 = 212446			Recovery =	96.76%			
83) IS2_Acenaphthene-d10	9.550	164	126602	4.000	ug/ml		0.00
Standard Area 3 = 130976			Recovery =	96.66%			
98) IS2_Phenanthrene-d10	10.988	188	265494	4.000	ug/ml		0.00
Standard Area 3 = 265623			Recovery =	99.95%			
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.773	105	13710	1.003	ug/ml		97
29) Acetophenone	6.860	105	23481	0.995	ug/ml	#	90
30) m-Toluidine	6.957	106	18600	0.857	ug/ml		94
31) 2-Chloroaniline	7.363	127	21000	0.989	ug/ml	#	93
56) a-Terpineol	7.862	59	13409	0.949	ug/ml	#	84
57) 3-Chloroaniline	7.869	65	7717	1.077	ug/ml		81
58) 2,6-Dichlorophenol	7.898	162	13272	0.956	ug/ml		94
59) 1-chloro-2-nitrobenzene	8.164	111	5267	0.949	ug/ml	#	1
60) Caprolactam	8.215	55	7531	0.890	ug/ml	#	93
61) 1,2,4,5-Tetrachloroben...	8.701	216	21003	1.018	ug/ml	#	95
62) Biphenyl	9.001	154	45745	1.005	ug/ml		98
84) Dichloran	10.685	206	3236	2.469	ug/ml	#	61
85) Pentachloronitrobenzene	10.836	237	3515	0.772	ug/ml	#	79
99) Diphenamid	11.891	167	23335	0.852	ug/ml	#	77

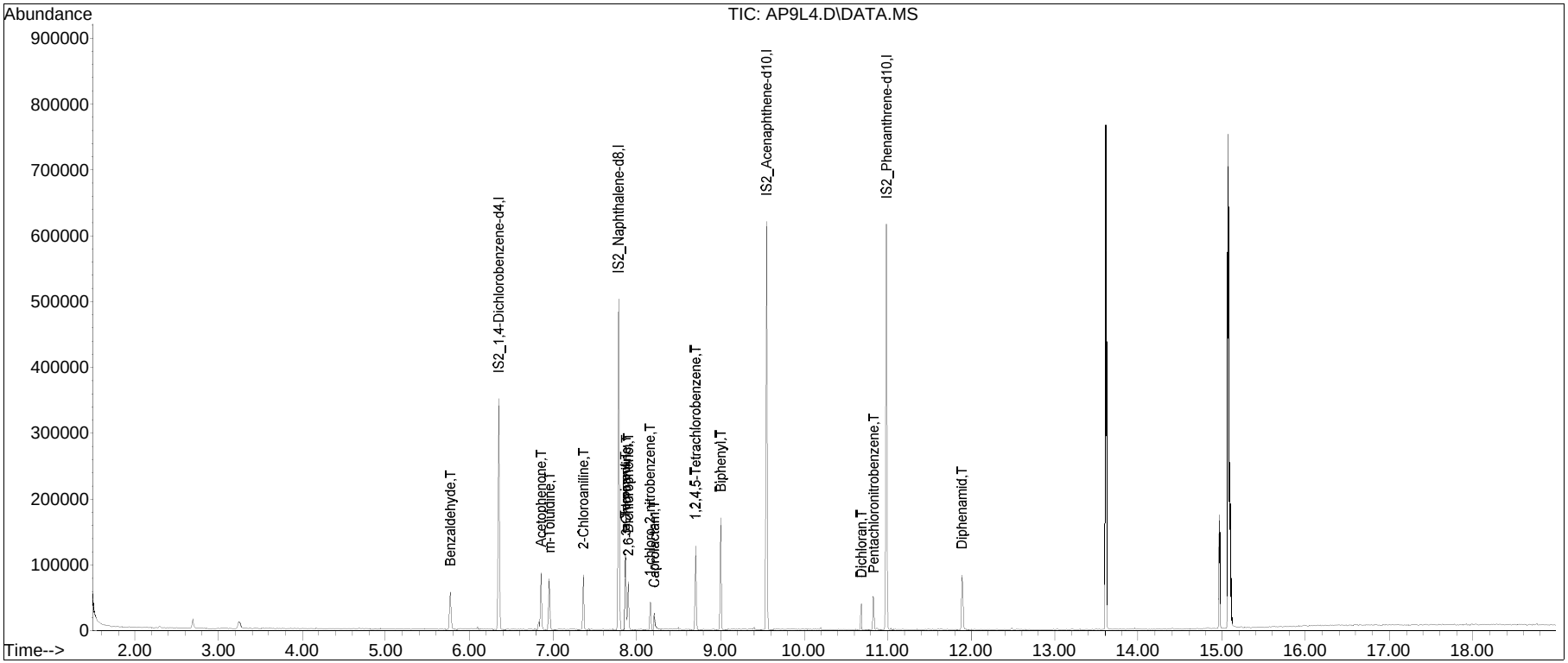
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L4.D
Acq On : 12 Mar 2025 1:26 am
Operator : SV106:ljg
Sample : IL7,32,,AP9L1 Lot# 11439
Misc : WG2039658,,ical
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 12 11:29:38 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L4.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 1:26 am	Instrument	: SV 106
Sample	: IL7,32,,AP9L1 Lot# 11439	Quant Date	: 3/12/2025 11:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L3.D
Acq On : 12 Mar 2025 1:49 am
Operator : SV106:ljg
Sample : IL8,32,,AP9L0.5 Lot# 11440
Misc : WG2039658,,ical
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 12 11:29:29 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.351	152	56735	4.000	ug/ml	0.00
Standard Area 3 = 56555			Recovery =	100.32%		
55) IS2_Naphthalene-d8	7.783	136	208252	4.000	ug/ml	# 0.00
Standard Area 3 = 212446			Recovery =	98.03%		
83) IS2_Acenaphthene-d10	9.550	164	121699	4.000	ug/ml	0.00
Standard Area 3 = 130976			Recovery =	92.92%		
98) IS2_Phenanthrene-d10	10.980	188	259274	4.000	ug/ml	0.00
Standard Area 3 = 265623			Recovery =	97.61%		
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.773	105	7553	0.558	ug/ml	93
29) Acetophenone	6.860	105	12899	0.553	ug/ml#	94
30) m-Toluidine	6.957	106	8975	0.418	ug/ml	94
31) 2-Chloroaniline	7.363	127	11732	0.559	ug/ml	93
56) a-Terpineol	7.862	59	7257	0.507	ug/ml#	83
57) 3-Chloroaniline	7.869	65	3967	0.546	ug/ml	89
58) 2,6-Dichlorophenol	7.898	162	6905	0.491	ug/ml	96
59) 1-chloro-2-nitrobenzene	8.171	111	2807	0.499	ug/ml#	1
60) Caprolactam	8.214	55	3878	0.453	ug/ml#	90
61) 1,2,4,5-Tetrachloroben...	8.701	216	11496	0.550	ug/ml#	96
62) Biphenyl	9.000	154	25184	0.546	ug/ml	99
84) Dichloran	10.685	206	1753	2.212	ug/ml#	66
85) Pentachloronitrobenzene	10.829	237	2032	0.464	ug/ml#	76
99) Diphenamid	11.891	167	12423	0.464	ug/ml#	79

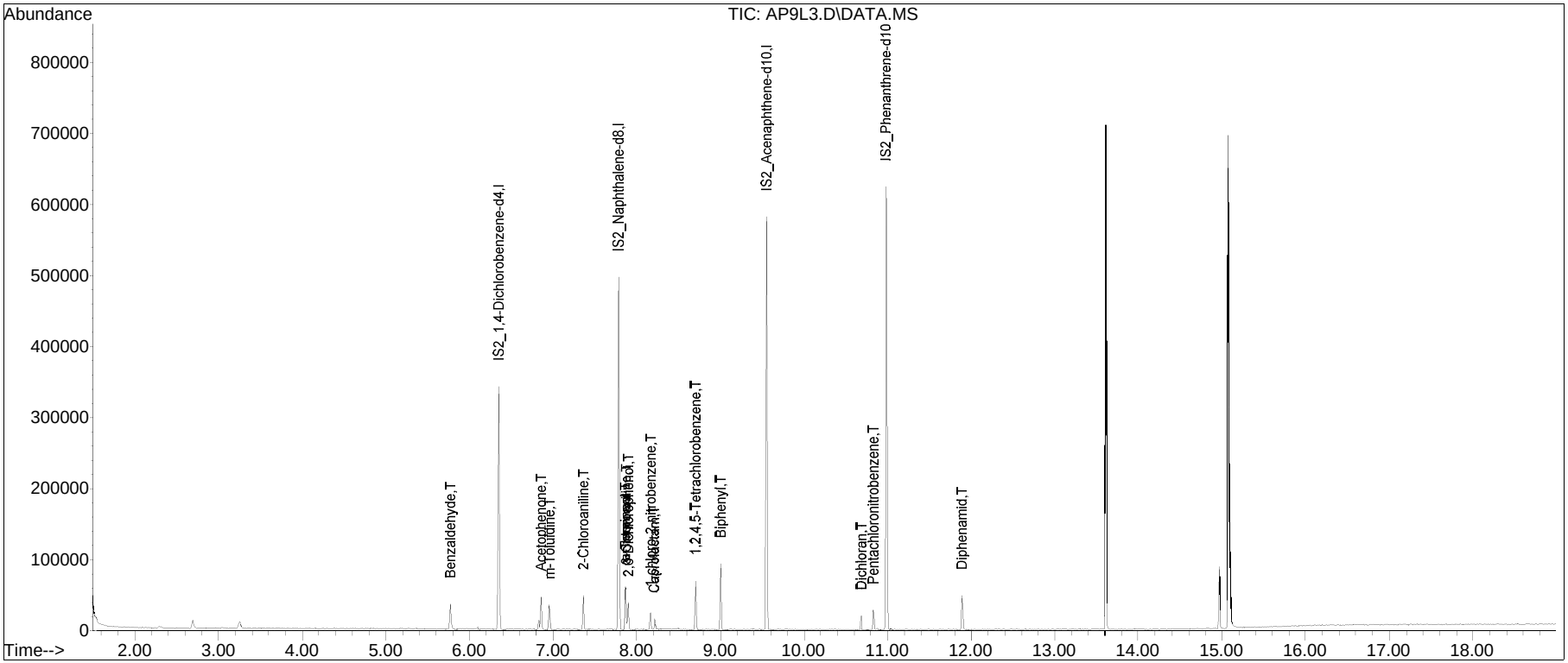
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L3.D
Acq On : 12 Mar 2025 1:49 am
Operator : SV106:ljg
Sample : IL8,32,,AP9L0.5 Lot# 11440
Misc : WG2039658,,ical
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 12 11:29:29 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9L3.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 1:49 am	Instrument	: SV 106
Sample	: IL8,32,,AP9L0.5 Lot# 11440	Quant Date	: 3/12/2025 11:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L2.D
Acq On : 12 Mar 2025 2:12 am
Operator : SV106:ljg
Sample : IL9,32,,AP9L0.2 Lot# 11441
Misc : WG2039658,,ical
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 12 11:29:21 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.351	152	60708	4.000	ug/ml		0.00
Standard Area 3 = 56555			Recovery = 107.34%				
55) IS2_Naphthalene-d8	7.783	136	216867	4.000	ug/ml	#	0.00
Standard Area 3 = 212446			Recovery = 102.08%				
83) IS2_Acenaphthene-d10	9.550	164	134033	4.000	ug/ml		0.00
Standard Area 3 = 130976			Recovery = 102.33%				
98) IS2_Phenanthrene-d10	10.988	188	266278	4.000	ug/ml	#	0.00
Standard Area 3 = 265623			Recovery = 100.25%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.773	105	2850	0.197	ug/ml		90
29) Acetophenone	6.860	105	4013M6	0.161	ug/ml		
30) m-Toluidine	6.965	106	1216	0.053	ug/ml	#	90
31) 2-Chloroaniline	7.363	127	3801	0.169	ug/ml	#	89
56) a-Terpineol	7.862	59	2392	0.161	ug/ml	#	78
57) 3-Chloroaniline	7.876	65	1245	0.165	ug/ml		93
58) 2,6-Dichlorophenol	7.898	162	2563	0.175	ug/ml		99
59) 1-chloro-2-nitrobenzene	8.171	111	1002	0.171	ug/ml	#	1
60) Caprolactam	8.222	55	1693	0.190	ug/ml	#	76
61) 1,2,4,5-Tetrachloroben...	8.701	216	3878	0.178	ug/ml		96
62) Biphenyl	9.000	154	9139	0.190	ug/ml		99
84) Dichloran	10.685	206	503	1.967	ug/ml	#	26
85) Pentachloronitrobenzene	10.836	237	539	0.112	ug/ml	#	27
99) Diphenamid	11.900	167	4470	0.163	ug/ml	#	69

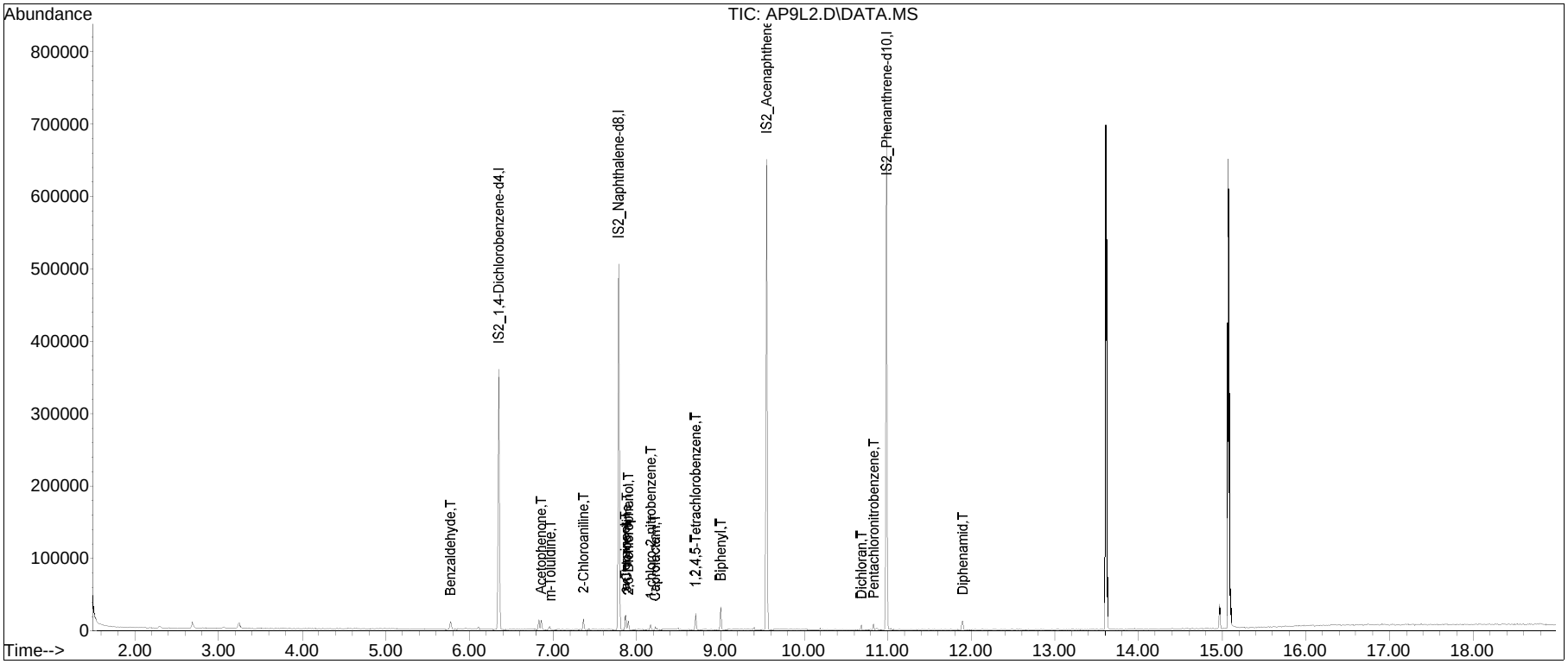
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L2.D
Acq On : 12 Mar 2025 2:12 am
Operator : SV106:ljg
Sample : IL9,32,,AP9L0.2 Lot# 11441
Misc : WG2039658,,ical
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 12 11:29:21 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

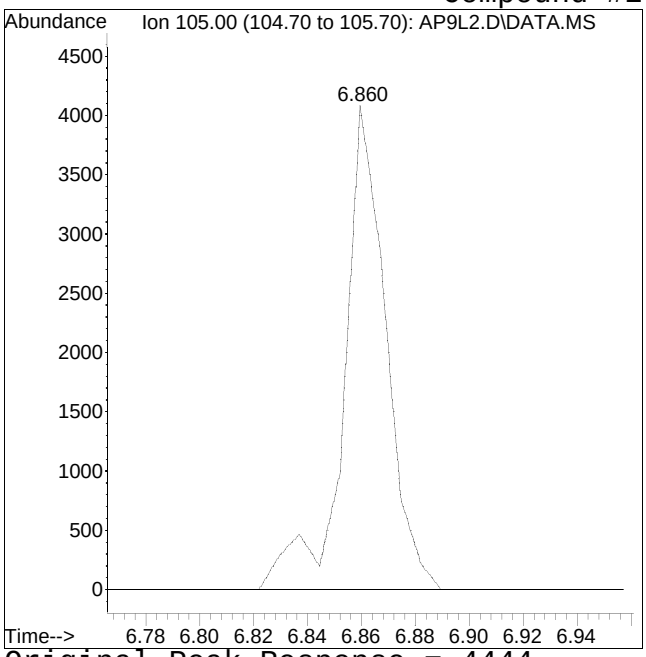
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



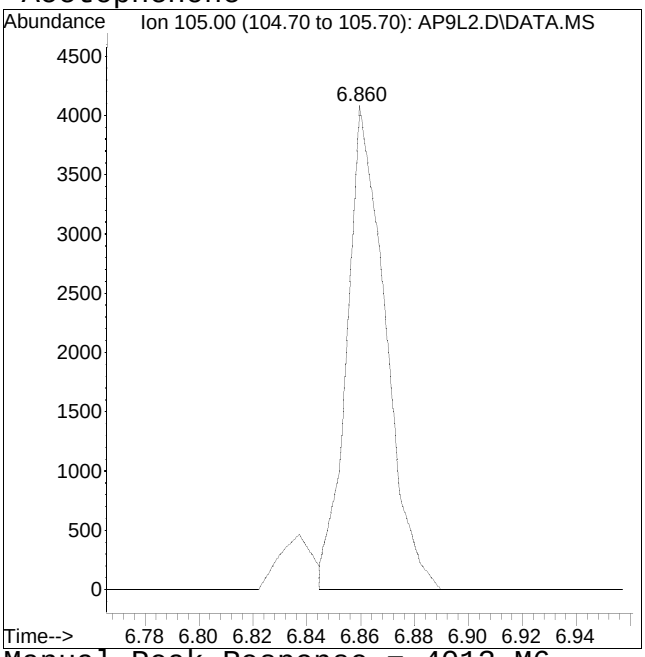
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : AP9L2.D Operator : SV106:ljg
Date Inj'd : 3/12/2025 2:12 am Instrument : SV 106
Sample : IL9,32,,AP9L0.2 Lot# 11441Quant Date : 3/12/2025 11:30 am

Compound #29: Acetophenone



Original Peak Response = 4444



Manual Peak Response = 4013 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L1.D
Acq On : 12 Mar 2025 2:36 am
Operator : SV106:ljg
Sample : IL10,32,,AP9L0.1 Lot# 11442
Misc : WG2039658,,ical
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 12 11:29:12 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.351	152	52482	4.000	ug/ml		0.00
Standard Area 3 = 56555			Recovery = 92.80%				
55) IS2_Naphthalene-d8	7.782	136	190067	4.000	ug/ml	#	0.00
Standard Area 3 = 212446			Recovery = 89.47%				
83) IS2_Acenaphthene-d10	9.550	164	112695	4.000	ug/ml		0.00
Standard Area 3 = 130976			Recovery = 86.04%				
98) IS2_Phenanthrene-d10	10.988	188	224443	4.000	ug/ml		0.00
Standard Area 3 = 265623			Recovery = 84.50%				
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.781	105	1072	0.086	ug/ml		96
29) Acetophenone	6.867	105	2170	0.101	ug/ml	#	76
30) m-Toluidine	0.000		0	N.D.			
31) 2-Chloroaniline	7.363	127	1766	0.091	ug/ml		96
56) a-Terpineol	7.862	59	1349	0.103	ug/ml	#	86
57) 3-Chloroaniline	7.876	65	583	0.088	ug/ml		94
58) 2,6-Dichlorophenol	7.898	162	1347	0.105	ug/ml	#	75
59) 1-chloro-2-nitrobenzene	8.171	111	451M2	0.088	ug/ml		
60) Caprolactam	8.236	55	931M1	0.119	ug/ml		
61) 1,2,4,5-Tetrachloroben...	8.701	216	2187	0.115	ug/ml	#	80
62) Biphenyl	9.000	154	4754	0.113	ug/ml		94
84) Dichloran	10.685	206	314M2	1.945	ug/ml		
85) Pentachloronitrobenzene	10.829	237	383M2	0.094	ug/ml		
99) Diphenamid	11.891	167	2156	0.093	ug/ml	#	81

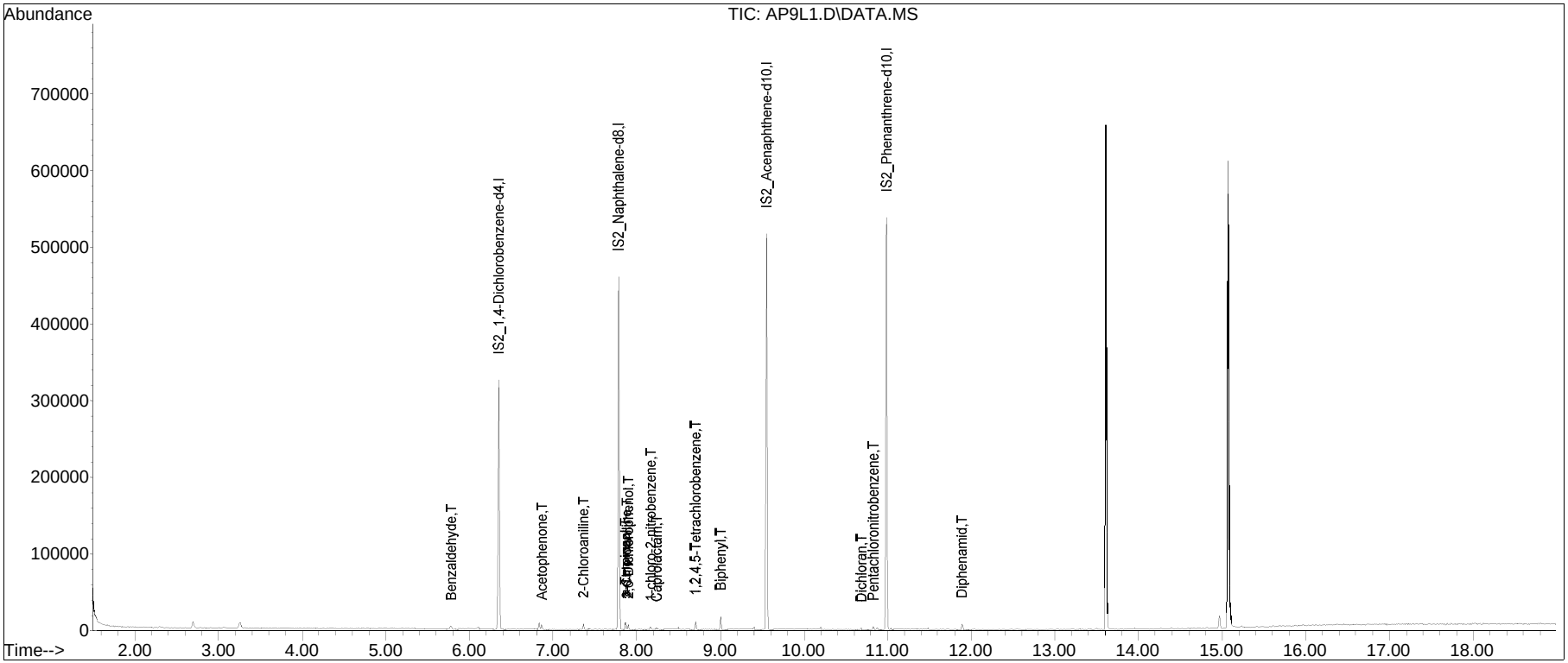
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9L1.D
Acq On : 12 Mar 2025 2:36 am
Operator : SV106:ljg
Sample : IL10,32,,AP9L0.1 Lot# 11442
Misc : WG2039658,,ical
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 12 11:29:12 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:34:57 2025
Response via : Initial Calibration

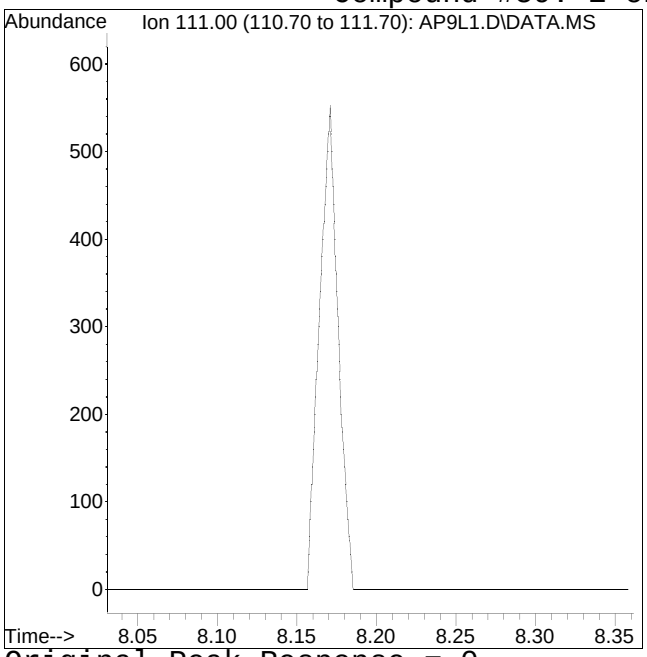
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



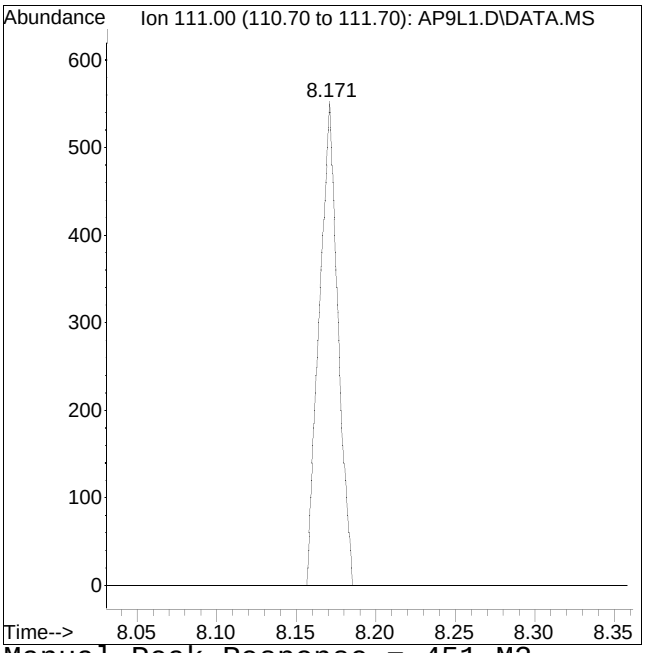
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 3/12/2025 2:36 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1144Quant Date : 3/12/2025 11:30 am

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0



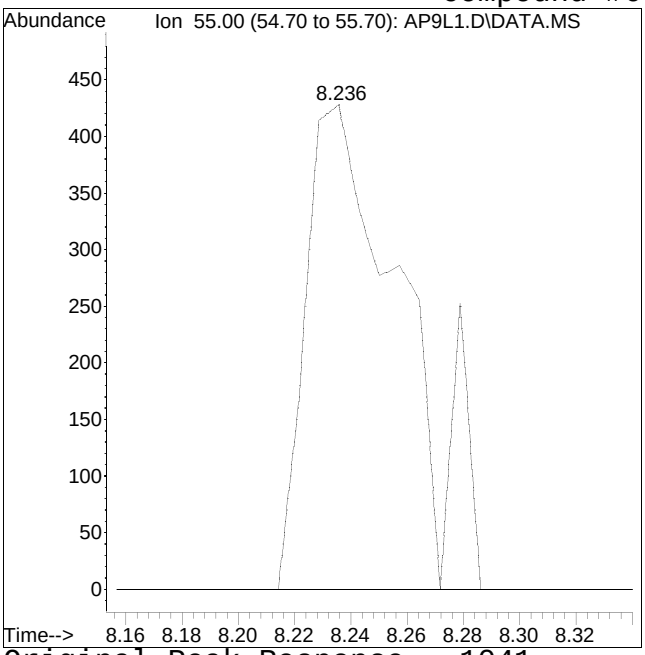
Manual Peak Response = 451 M2

M2 = Peak not found by automatic integration algorithm.

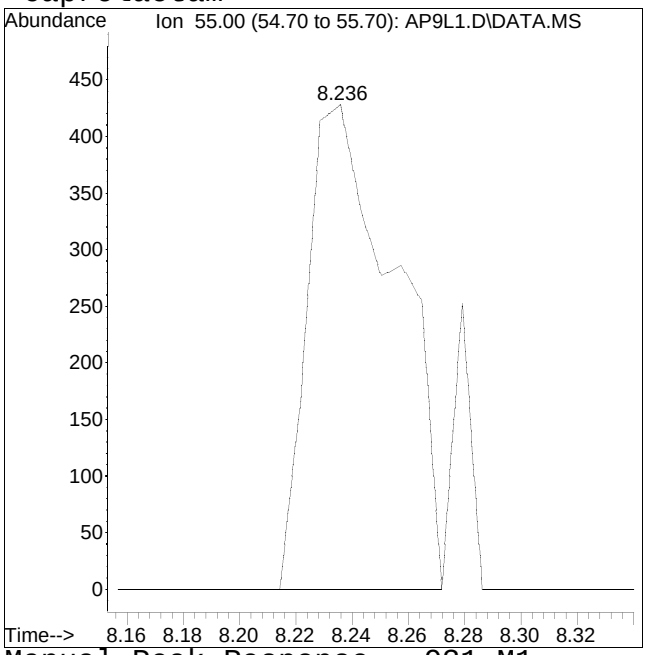
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 3/12/2025 2:36 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1144Quant Date : 3/12/2025 11:30 am

Compound #60: Caprolactam



Original Peak Response = 1041



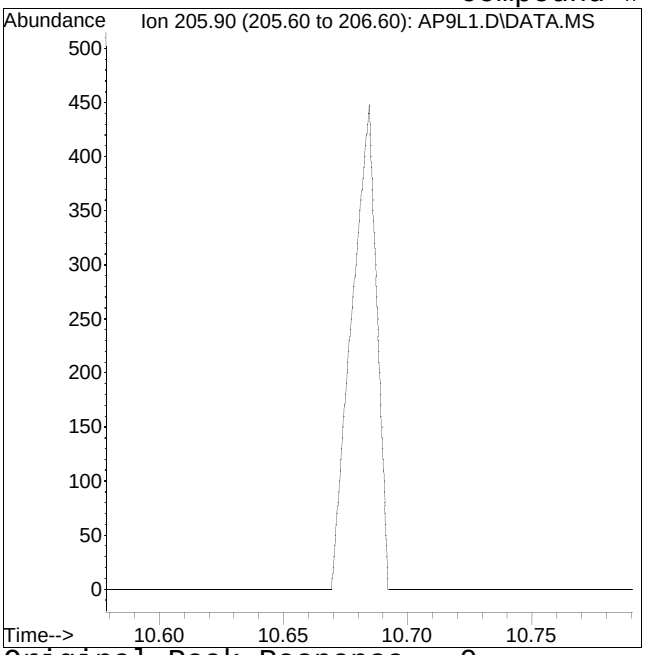
Manual Peak Response = 931 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

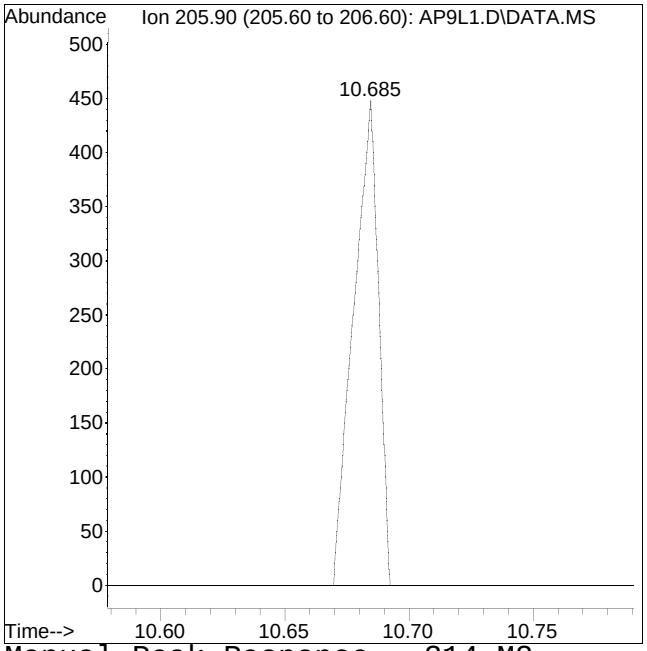
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : AP9L1.D Operator : SV106:ljg
Date Inj'd : 3/12/2025 2:36 am Instrument : SV 106
Sample : IL10,32,,AP9L0.1 Lot# 1144Quant Date : 3/12/2025 11:30 am

Compound #84: Dichloran



Original Peak Response = 0



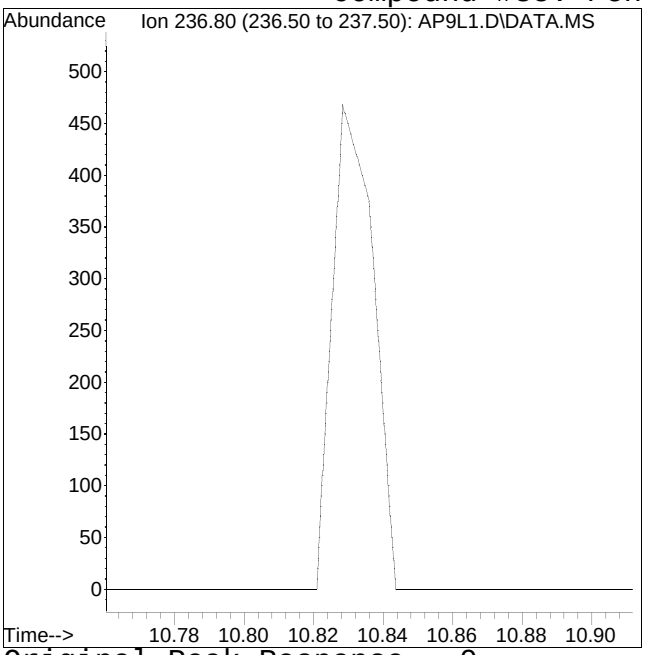
Manual Peak Response = 314 M2

M2 = Peak not found by automatic integration algorithm.

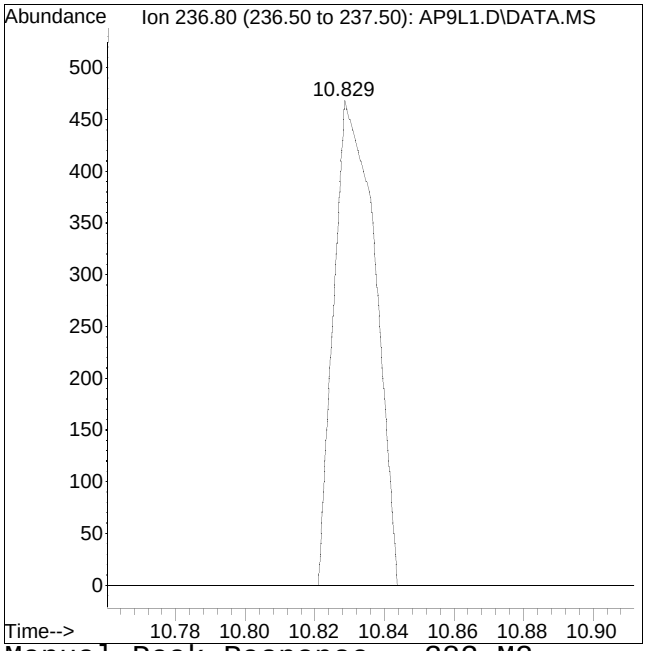
Manual Integration Report

Data Path : I:\8270\SV106\250311RV
Data File : AP9L1.D
Date Inj'd : 3/12/2025 2:36 am
Sample : IL10,32,,AP9L0.1 Lot# 1144
Method : FS250311SV106.m
Operator : SV106:ljg
Instrument : SV 106
Quant Date : 3/12/2025 11:30 am

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0



Manual Peak Response = 383 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL9.D
Acq On : 12 Mar 2025 2:59 am
Operator : SV106:ljg
Sample : IL2,32,,ADPL50 Lot# 11443
Misc : WG2039658,,ical
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 12 10:29:50 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:49 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.351	152	50622	4.000	ug/ml	0.00
	Standard Area 2 = 58261			Recovery = 86.89%			
86)	IS3_Acenaphthene-d10	9.550	164	114457	4.000	ug/ml	0.00
	Standard Area 2 = 127382			Recovery = 89.85%			
100)	IS3_Phenanthrene-d10	10.987	188	242176	4.000	ug/ml	0.00
	Standard Area 2 = 266366			Recovery = 90.92%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.731	88	316110	45.588	ug/ml#	61
34)	n-Decane	6.249	57	1088035	50.582	ug/ml#	38
87)	Atrazine	10.768	200	629720	60.211	ug/ml	96
101)	n-Octadecane	10.972	57	1571811	56.690	ug/ml#	1
102)	Parathion	11.778	109	293925	62.492	ug/ml	96
103)	3,3'-Dimethylbenzidine	13.054	212	2935321	74.963	ug/ml	98

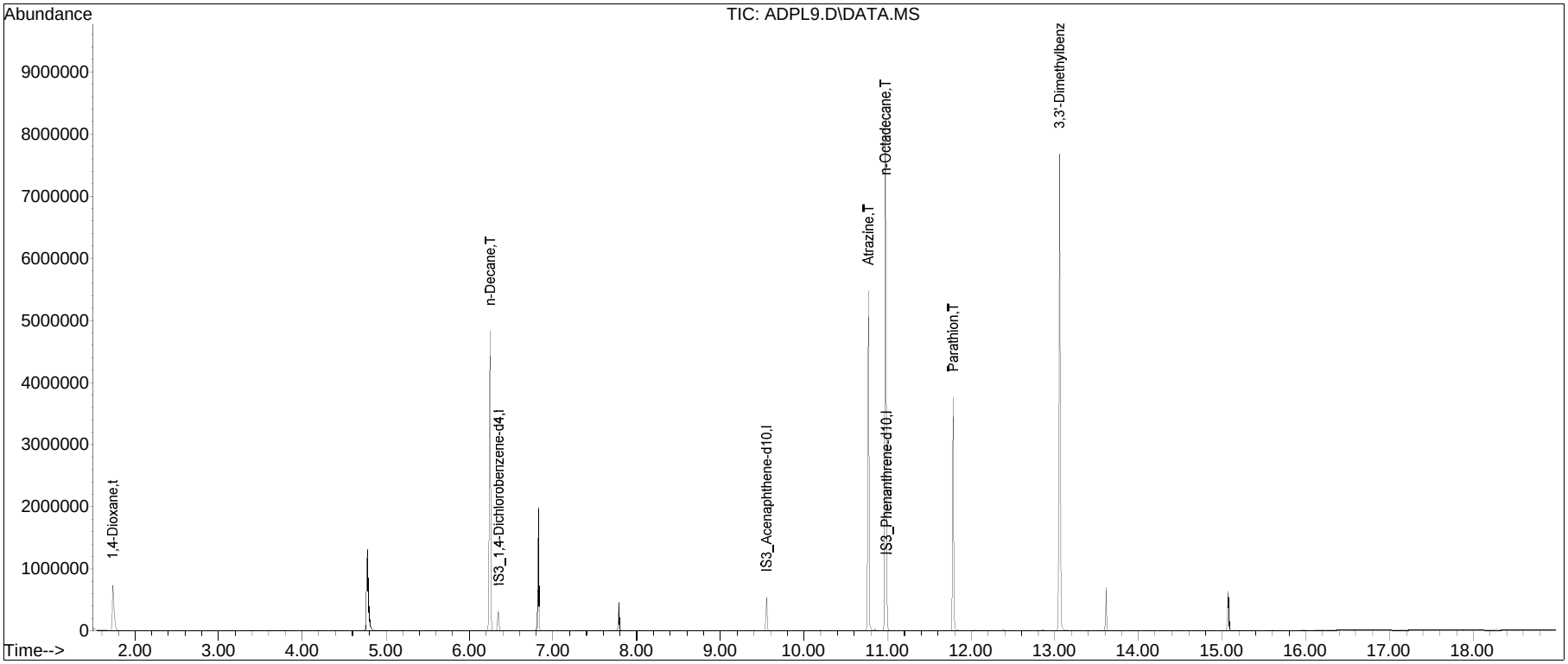
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL9.D
Acq On : 12 Mar 2025 2:59 am
Operator : SV106:ljg
Sample : IL2,32,,ADPL50 Lot# 11443
Misc : WG2039658,,ical
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 12 10:29:50 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:49 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL9.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 2:59 am	Instrument	: SV 106
Sample	: IL2,32,,ADPL50 Lot# 11443	Quant Date	: 3/12/2025 10:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL8.D
Acq On : 12 Mar 2025 3:23 am
Operator : SV106:ljg
Sample : IL3,32,,ADPL25 Lot# 11444
Misc : WG2039658,,ical
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 10:29:39 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:38 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.351	152	56242	4.000	ug/ml	0.00
	Standard Area 2 = 58261			Recovery = 96.53%			
86)	IS3_Acenaphthene-d10	9.550	164	118052	4.000	ug/ml	0.00
	Standard Area 2 = 127382			Recovery = 92.68%			
100)	IS3_Phenanthrene-d10	10.980	188	255155	4.000	ug/ml	0.00
	Standard Area 2 = 266366			Recovery = 95.79%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.746	88	192355	24.969	ug/ml#	60
34)	n-Decane	6.249	57	667856	27.946	ug/ml#	37
87)	Atrazine	10.768	200	381049	35.325	ug/ml	97
101)	n-Octadecane	10.972	57	962959	32.964	ug/ml#	1
102)	Parathion	11.778	109	169910	34.353	ug/ml	93
103)	3,3'-Dimethylbenzidine	13.054	212	1691698	41.005	ug/ml	98

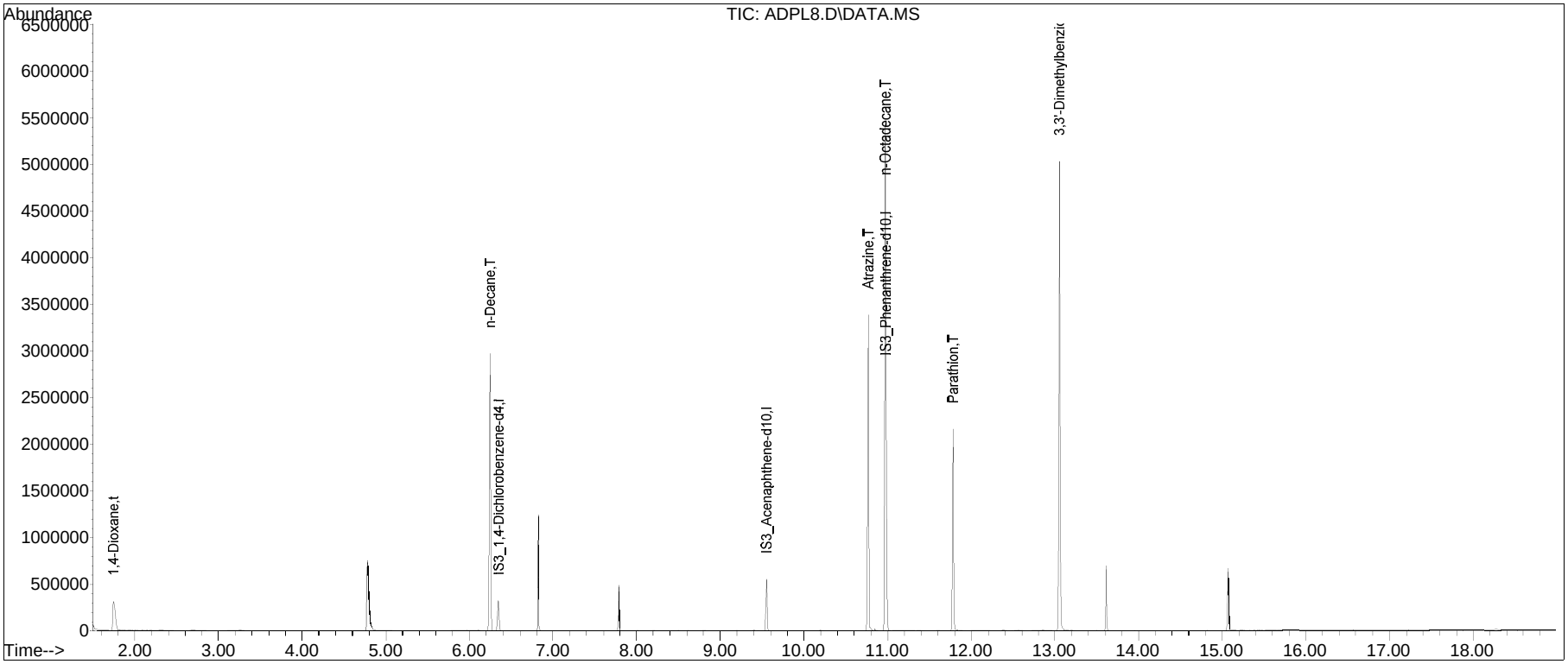
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL8.D
Acq On : 12 Mar 2025 3:23 am
Operator : SV106:ljg
Sample : IL3,32,,ADPL25 Lot# 11444
Misc : WG2039658,,ical
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 12 10:29:39 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:38 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL8.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 3:23 am	Instrument	: SV 106
Sample	: IL3,32,,ADPL25 Lot# 11444	Quant Date	: 3/12/2025 10:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL7.D
Acq On : 12 Mar 2025 3:46 am
Operator : SV106:ljg
Sample : IL4,32,,ADPL10 Lot# 11445
Misc : WG2039658,,ical
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 12 10:29:29 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.351	152	56194	4.000	ug/ml	0.00
Standard Area 2 = 58261			Recovery = 96.45%			
86) IS3_Acenaphthene-d10	9.550	164	123752	4.000	ug/ml	0.00
Standard Area 2 = 127382			Recovery = 97.15%			
100) IS3_Phenanthrene-d10	10.988	188	262736	4.000	ug/ml	0.00
Standard Area 2 = 266366			Recovery = 98.64%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.746	88	66044	8.580	ug/ml#	61
34) n-Decane	6.249	57	228529	9.571	ug/ml#	37
87) Atrazine	10.768	200	118980	10.522	ug/ml	96
101) n-Octadecane	10.973	57	314688	10.462	ug/ml#	1
102) Parathion	11.779	109	44659	8.877	ug/ml#	95
103) 3,3'-Dimethylbenzidine	13.054	212	501782	11.812	ug/ml	99

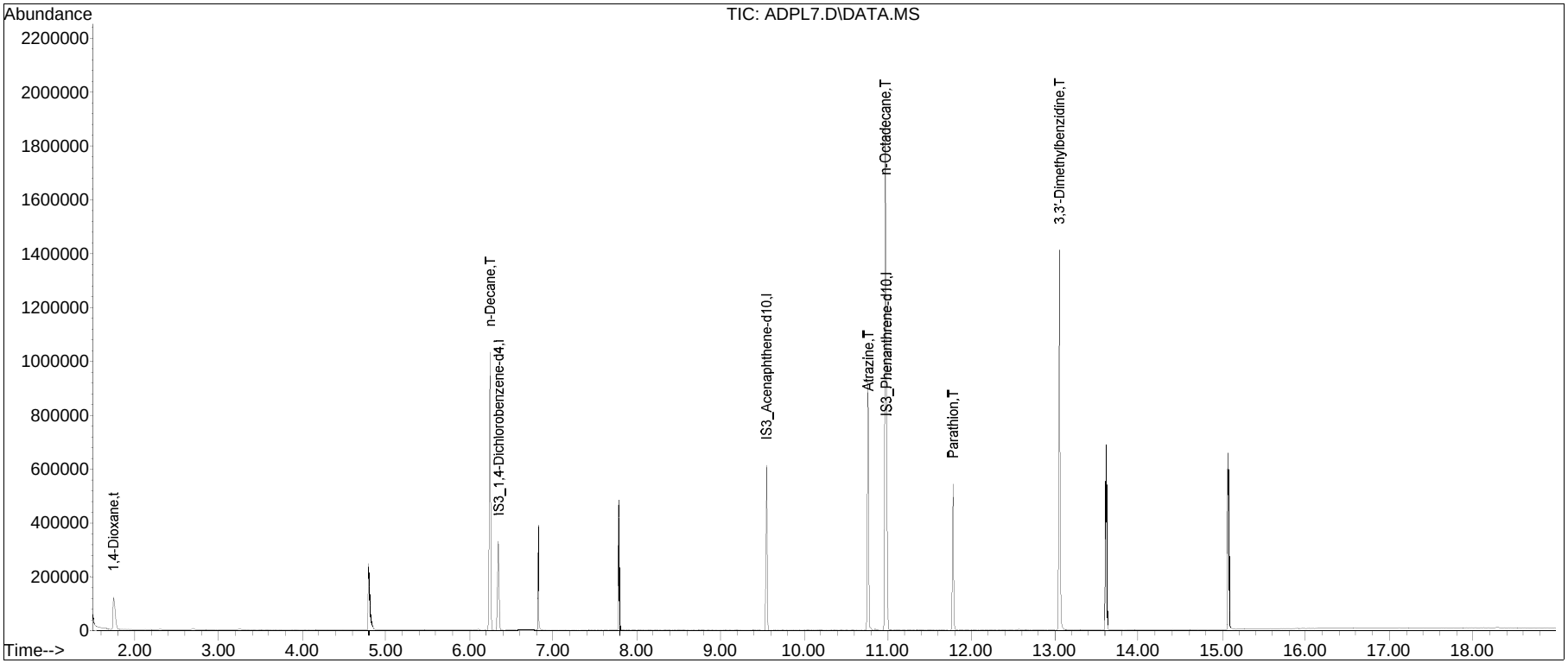
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL7.D
Acq On : 12 Mar 2025 3:46 am
Operator : SV106:ljg
Sample : IL4,32,,ADPL10 Lot# 11445
Misc : WG2039658,,ical
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 12 10:29:29 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:28 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL7.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 3:46 am	Instrument	: SV 106
Sample	: IL4,32,,ADPL10 Lot# 11445	Quant Date	: 3/12/2025 10:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL6.D
Acq On : 12 Mar 2025 4:09 am
Operator : SV106:ljg
Sample : IL5,32,,ADPL5 Lot# 11446
Misc : WG2039658,,ical
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 12 10:29:19 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:16 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
32) IS3_1,4-Dichlorobenzen...	6.351	152	58261	4.000	ug/ml		0.00
Standard Area 2 = 58261			Recovery = 100.00%				
86) IS3_Acenaphthene-d10	9.550	164	127382	4.000	ug/ml		0.00
Standard Area 2 = 127382			Recovery = 100.00%				
100) IS3_Phenanthrene-d10	10.988	188	266366	4.000	ug/ml	#	0.00
Standard Area 2 = 266366			Recovery = 100.00%				
System Monitoring Compounds							
Target Compounds							Qvalue
33) 1,4-Dioxane	1.753	88	33982	4.258	ug/ml	#	61
34) n-Decane	6.249	57	114296	4.617	ug/ml	#	36
87) Atrazine	10.760	200	53357	4.584	ug/ml		97
101) n-Octadecane	10.973	57	146808	4.814	ug/ml	#	1
102) Parathion	11.778	109	19034	3.816	ug/ml	#	94
103) 3,3'-Dimethylbenzidine	13.054	212	198733	4.614	ug/ml		99

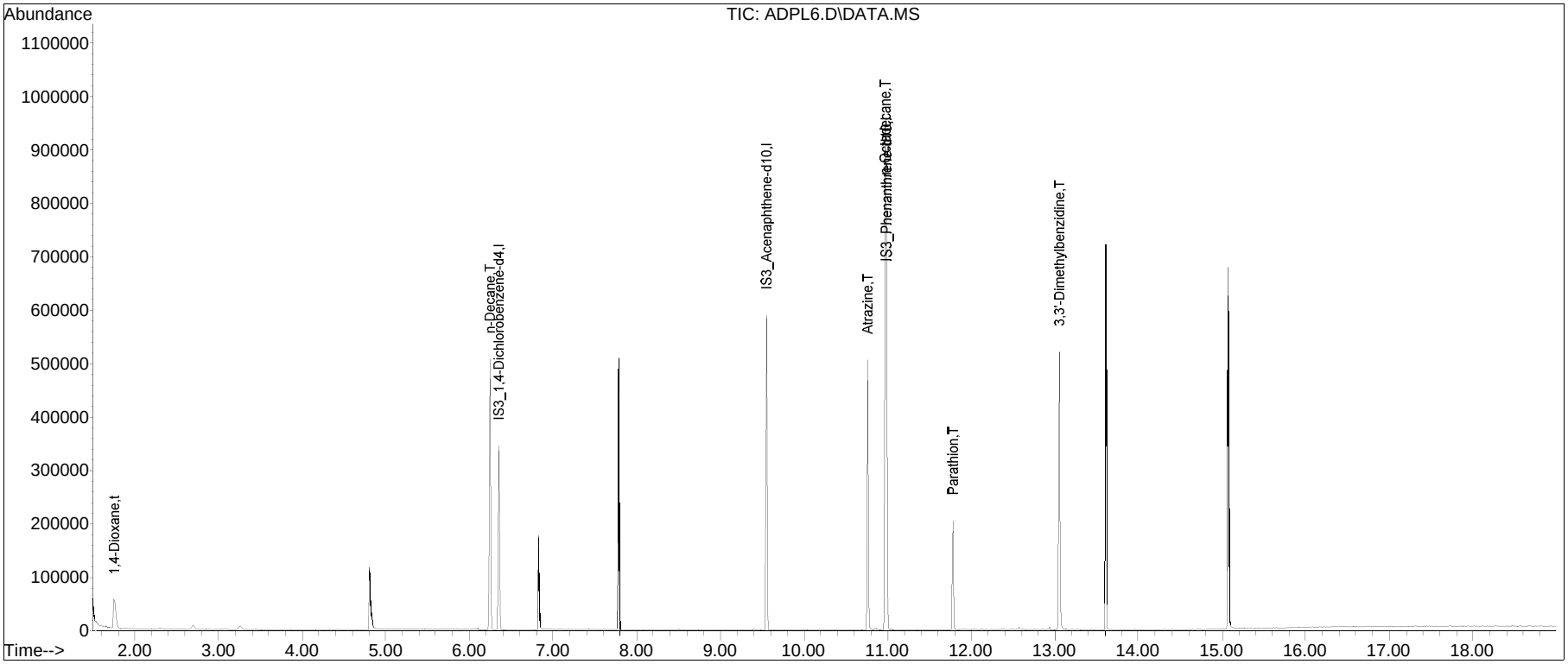
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL6.D
Acq On : 12 Mar 2025 4:09 am
Operator : SV106:ljg
Sample : IL5,32,,ADPL5 Lot# 11446
Misc : WG2039658,,ical
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 12 10:29:19 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:16 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL6.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 4:09 am	Instrument	: SV 106
Sample	: IL5,32,,ADPL5 Lot# 11446	Quant Date	: 3/12/2025 10:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL5.D
Acq On : 12 Mar 2025 4:33 am
Operator : SV106:ljg
Sample : IL6,32,,ADPL2.5 Lot# 11447
Misc : WG2039658,,ical
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 12 10:29:06 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:06 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.351	152	55405	4.000	ug/ml	0.00
Standard Area 2 = 58261			Recovery = 95.10%			
86) IS3_Acenaphthene-d10	9.550	164	119346	4.000	ug/ml	0.00
Standard Area 2 = 127382			Recovery = 93.69%			
100) IS3_Phenanthrene-d10	10.980	188	253725	4.000	ug/ml	0.00
Standard Area 2 = 266366			Recovery = 95.25%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.753	88	16182	2.132	ug/ml#	64
34) n-Decane	6.249	57	50558	2.147	ug/ml#	35
87) Atrazine	10.760	200	22752	2.086	ug/ml	95
101) n-Octadecane	10.973	57	59761	2.057	ug/ml#	1
102) Parathion	11.778	109	8047	1.774	ug/ml#	92
103) 3,3'-Dimethylbenzidine	13.054	212	77092	1.879	ug/ml	98

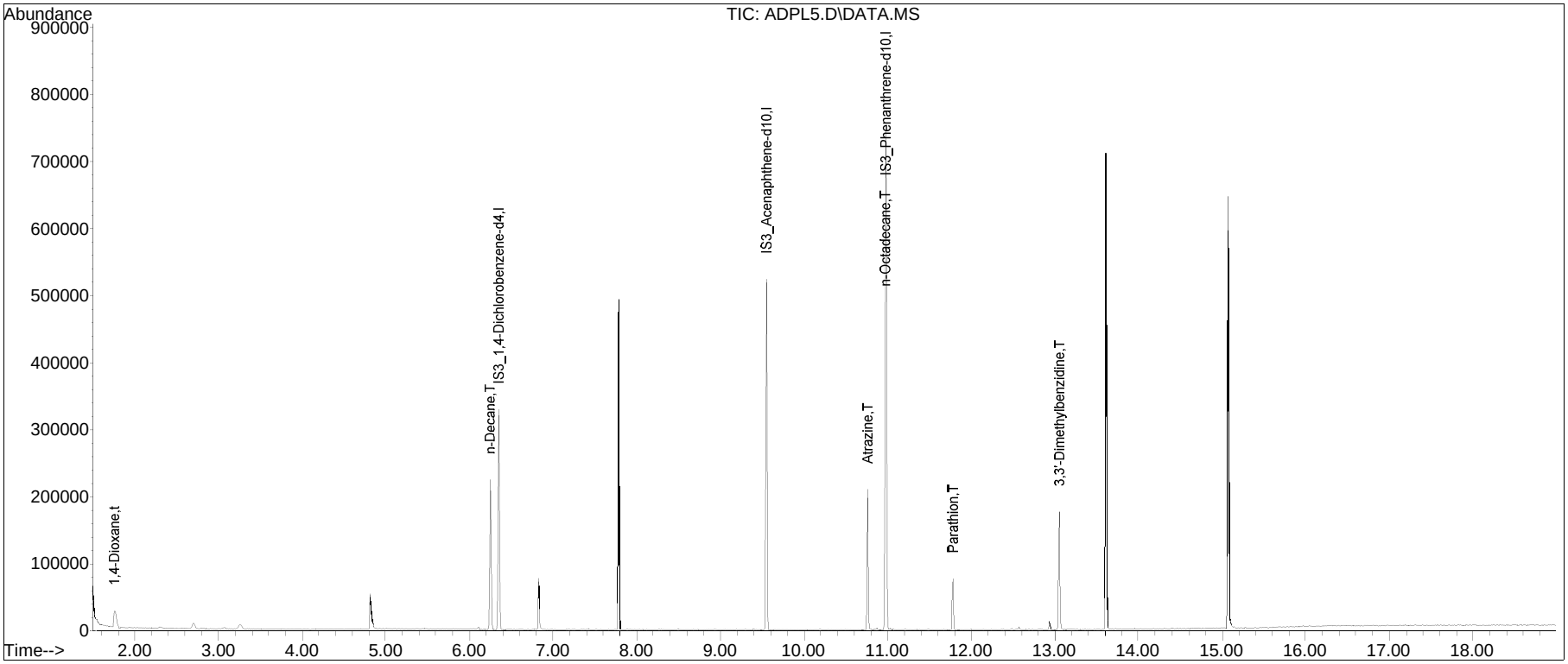
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL5.D
Acq On : 12 Mar 2025 4:33 am
Operator : SV106:ljg
Sample : IL6,32,,ADPL2.5 Lot# 11447
Misc : WG2039658,,ical
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 12 10:29:06 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:30:06 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL5.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 4:33 am	Instrument	: SV 106
Sample	: IL6,32,,ADPL2.5 Lot# 11447	Quant Date	: 3/12/2025 10:30 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL4.D
Acq On : 12 Mar 2025 4:56 am
Operator : SV106:ljg
Sample : IL7,32,,ADPL1 Lot# 11448
Misc : WG2039658,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 12 10:28:57 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:29:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.351	152	57291	4.000	ug/ml	0.00
	Standard Area 2 = 58261			Recovery = 98.34%			
86)	IS3_Acenaphthene-d10	9.550	164	122156	4.000	ug/ml	0.00
	Standard Area 2 = 127382			Recovery = 95.90%			
100)	IS3_Phenanthrene-d10	10.988	188	250087	4.000	ug/ml	0.00
	Standard Area 2 = 266366			Recovery = 93.89%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.767	88	7495	0.955	ug/ml#	60
34)	n-Decane	6.249	57	25267	1.038	ug/ml#	37
87)	Atrazine	10.760	200	9342	0.837	ug/ml	98
101)	n-Octadecane	10.972	57	26430	0.923	ug/ml#	1
102)	Parathion	11.778	109	3559	0.876	ug/ml	95
103)	3,3'-Dimethylbenzidine	13.054	212	21817	0.540	ug/ml	98

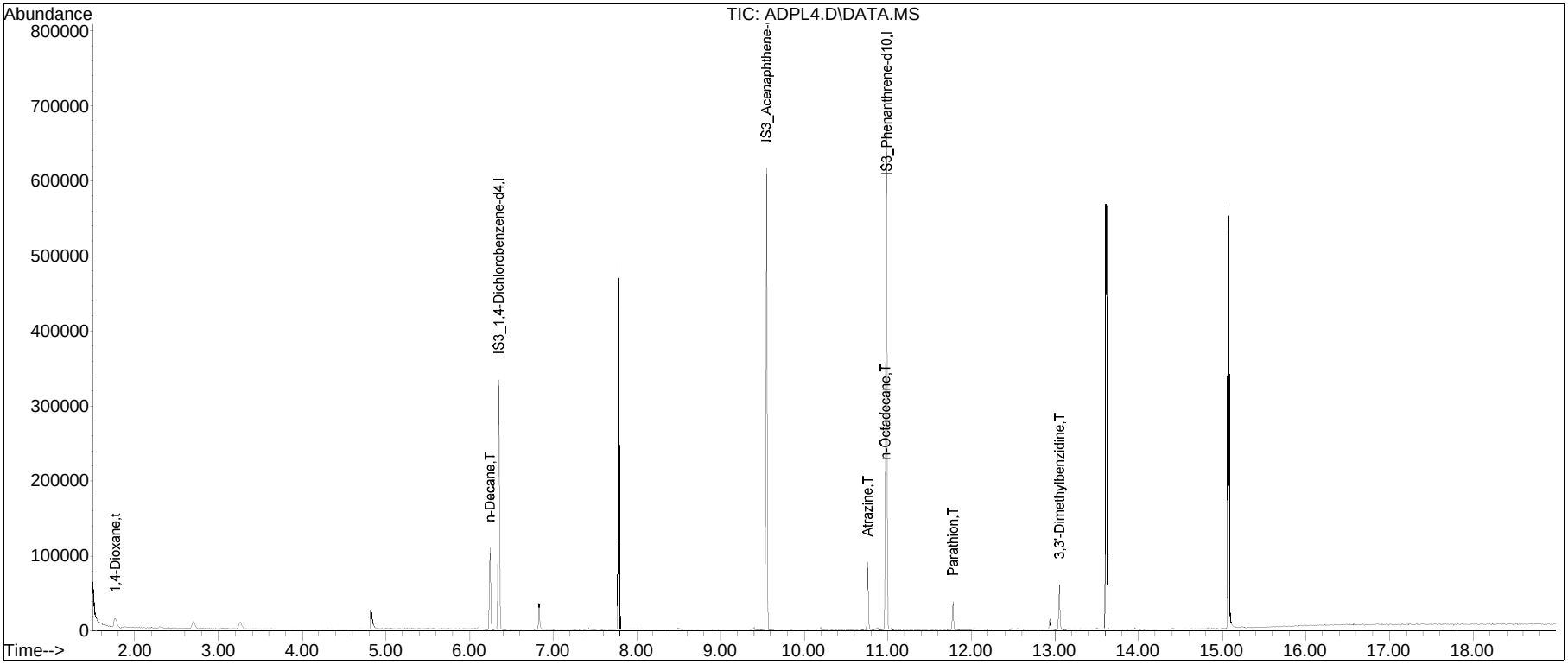
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL4.D
Acq On : 12 Mar 2025 4:56 am
Operator : SV106:ljg
Sample : IL7,32,,ADPL1 Lot# 11448
Misc : WG2039658,,ical
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Mar 12 10:28:57 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:29:57 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL4.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 4:56 am	Instrument	: SV 106
Sample	: IL7,32,,ADPL1 Lot# 11448	Quant Date	: 3/12/2025 10:29 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL3.D
Acq On : 12 Mar 2025 5:20 am
Operator : SV106:ljg
Sample : IL8,32,,ADPL0.5 Lot# 11449
Misc : WG2039658,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 12 10:28:24 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:29:24 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.351	152	53514	4.000	ug/ml	0.00
Standard Area 2 = 58261			Recovery = 91.85%			
86) IS3_Acenaphthene-d10	9.550	164	113473	4.000	ug/ml	0.00
Standard Area 2 = 127382			Recovery = 89.08%			
100) IS3_Phenanthrene-d10	10.987	188	235698	4.000	ug/ml	0.00
Standard Area 2 = 266366			Recovery = 88.49%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.753	88	4661	0.636	ug/ml#	69
34) n-Decane	6.249	57	12582	0.553	ug/ml#	36
87) Atrazine	10.760	200	4678	0.451	ug/ml	96
101) n-Octadecane	10.972	57	12842	0.476	ug/ml#	1
102) Parathion	11.778	109	1948	0.570	ug/ml#	83
103) 3,3'-Dimethylbenzidine	13.054	212	8865	0.233	ug/ml	99

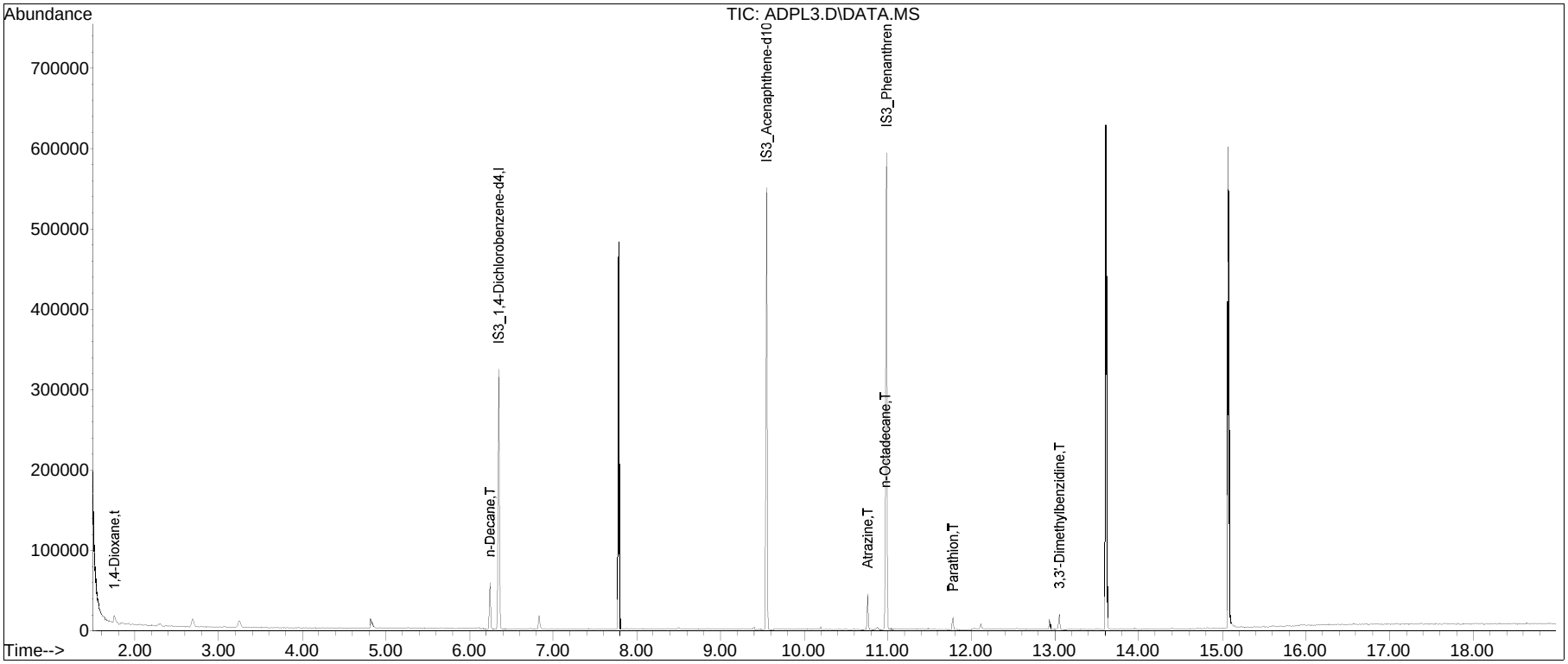
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL3.D
Acq On : 12 Mar 2025 5:20 am
Operator : SV106:ljg
Sample : IL8,32,,ADPL0.5 Lot# 11449
Misc : WG2039658,,ical
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Mar 12 10:28:24 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:29:24 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPL3.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 5:20 am	Instrument	: SV 106
Sample	: IL8,32,,ADPL0.5 Lot# 11449	Quant Date	: 3/12/2025 10:29 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL2.D
Acq On : 12 Mar 2025 5:43 am
Operator : SV106:ljg
Sample : IL9,32,,ADPL0.2 Lot# 11450
Misc : WG2039658,,ical
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 12 10:27:35 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:28:34 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.351	152	51722	4.000	ug/ml	0.00
	Standard Area 2 = 58261			Recovery = 88.78%			
86)	IS3_Acenaphthene-d10	9.550	164	105533	4.000	ug/ml	0.00
	Standard Area 2 = 127382			Recovery = 82.85%			
100)	IS3_Phenanthrene-d10	10.980	188	220396	4.000	ug/ml	0.00
	Standard Area 2 = 266366			Recovery = 82.74%			
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.753	88	1475	0.208	ug/ml#	80
34)	n-Decane	6.249	57	3961	0.180	ug/ml#	28
87)	Atrazine	10.761	200	1589	0.165	ug/ml#	70
101)	n-Octadecane	10.973	57	4168	0.165	ug/ml#	1
102)	Parathion	11.779	109	464M2	0.253	ug/ml	
103)	3,3'-Dimethylbenzidine	0.000		0	N.D.		

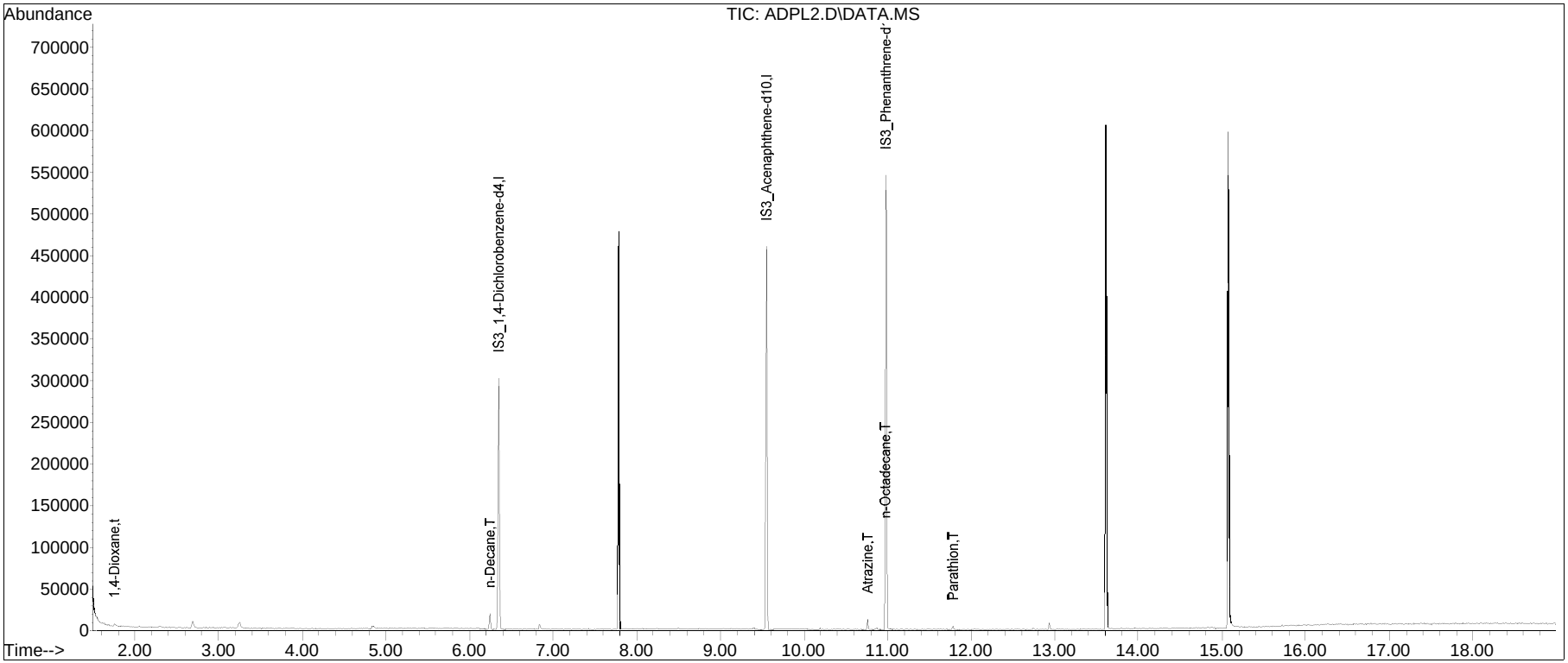
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL2.D
Acq On : 12 Mar 2025 5:43 am
Operator : SV106:ljg
Sample : IL9,32,,ADPL0.2 Lot# 11450
Misc : WG2039658,,ical
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Mar 12 10:27:35 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:28:34 2025
Response via : Initial Calibration

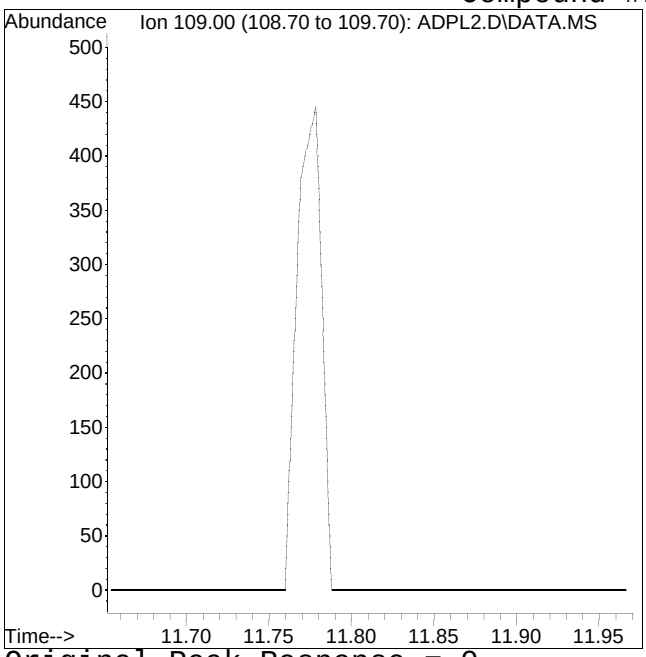
Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



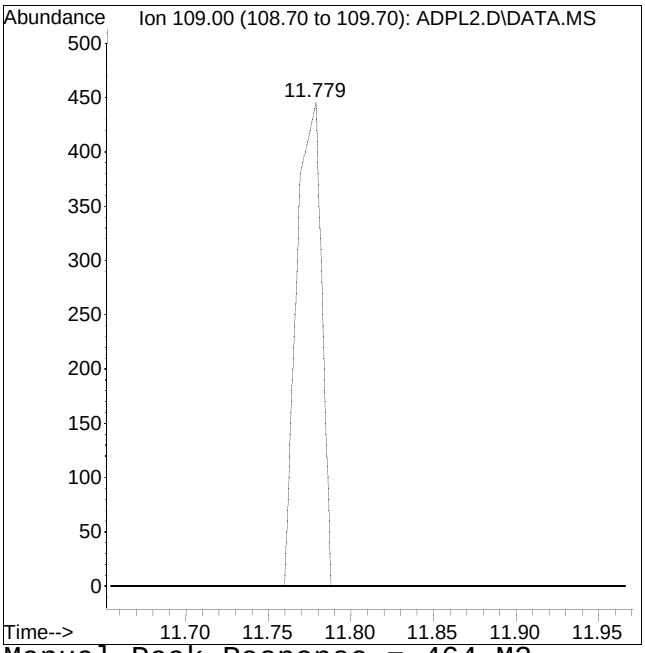
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQ
Data File : ADPL2.D
Date Inj'd : 3/12/2025 5:43 am
Sample : IL9,32,,ADPL0.2 Lot# 11450
Method : FS250311SV106.m
Operator : SV106:ljg
Instrument : SV 106
Quant Date : 3/12/2025 10:28 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 464 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL1.D
Acq On : 12 Mar 2025 6:06 am
Operator : SV106:ljg
Sample : IL10,32,,ADPL0.1 Lot# 11451
Misc : WG2039658,,ical
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 12 10:27:08 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:28:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.351	152	53575	4.000	ug/ml	0.00
Standard Area 2 = 58261			Recovery = 91.96%			
86) IS3_Acenaphthene-d10	9.550	164	112878	4.000	ug/ml	0.00
Standard Area 2 = 127382			Recovery = 88.61%			
100) IS3_Phenanthrene-d10	10.988	188	227259	4.000	ug/ml	0.00
Standard Area 2 = 266366			Recovery = 85.32%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.753	88	924	0.126	ug/ml#	72
34) n-Decane	6.249	57	2471	0.109	ug/ml#	29
87) Atrazine	10.760	200	1048	0.102	ug/ml#	33
101) n-Octadecane	10.972	57	2641	0.102	ug/ml#	1
102) Parathion	11.778	109	346M2	0.223	ug/ml	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

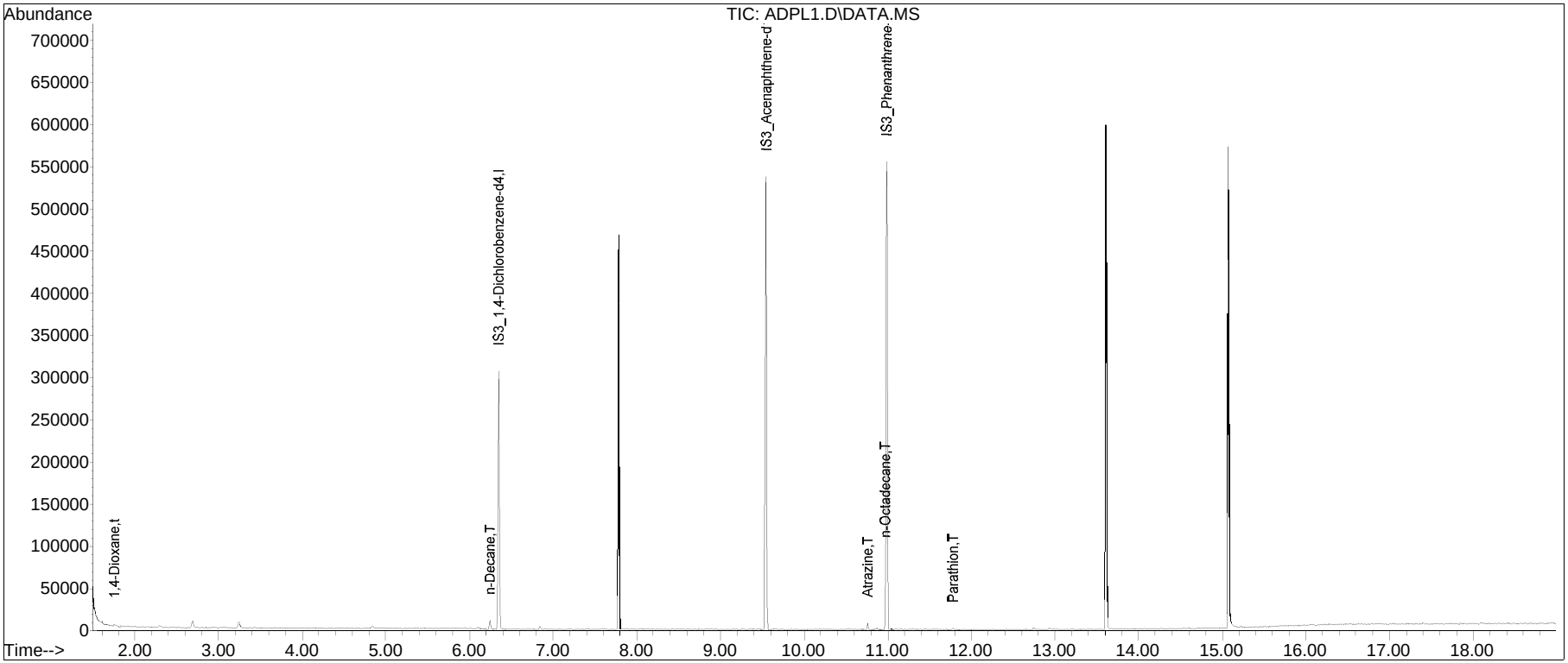
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPL1.D
Acq On : 12 Mar 2025 6:06 am
Operator : SV106:ljg
Sample : IL10,32,,ADPL0.1 Lot# 11451
Misc : WG2039658,,ical
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Mar 12 10:27:08 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 10:28:07 2025
Response via : Initial Calibration

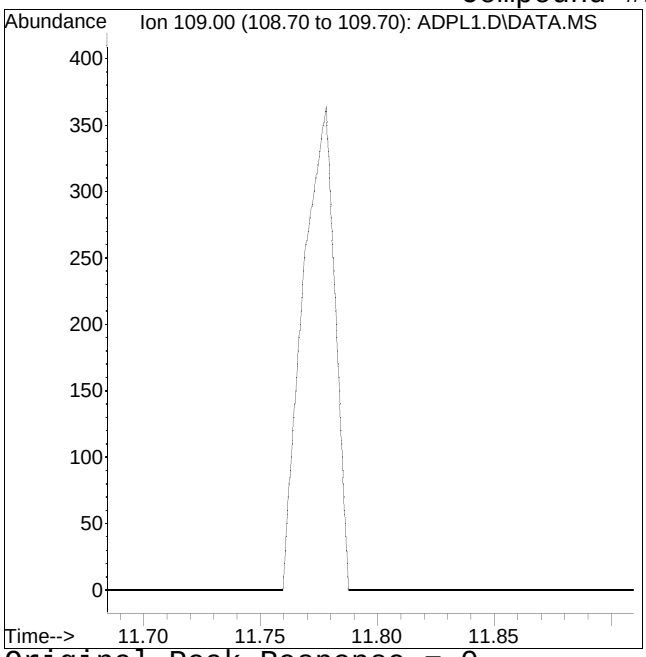
Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•



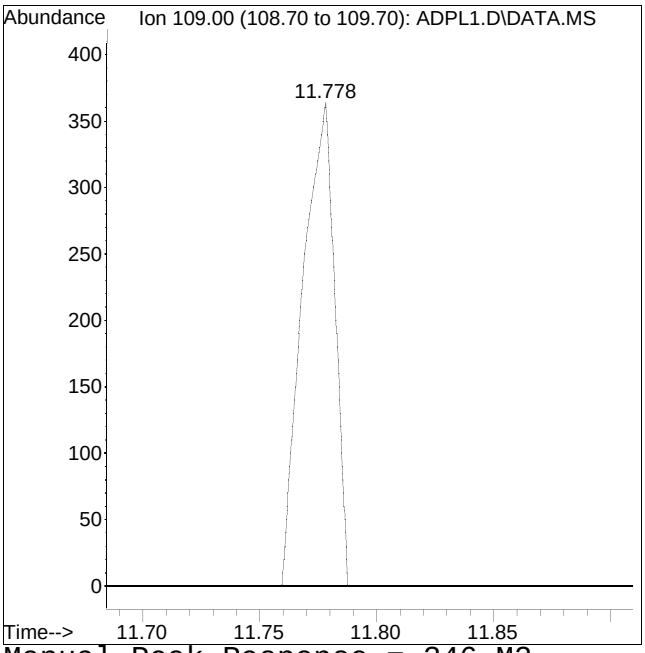
Manual Integration Report

Data Path : I:\8270\SV106\250311RVTicaQMethod : FS250311SV106.m
Data File : ADPL1.D Operator : SV106:ljg
Date Inj'd : 3/12/2025 6:06 am Instrument : SV 106
Sample : IL10,32,,ADPL0.1 Lot# 1145Quant Date : 3/12/2025 10:28 am

Compound #102: Parathion



Original Peak Response = 0



Manual Peak Response = 346 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9ICV.D
Acq On : 12 Mar 2025 6:30 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 11453
Misc : WG2039658,,ical
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 12 12:20:59 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:58 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	89	0.00
28	T	Benzaldehyde		0.954	1.172	-22.9#	110	0.00
29	T	Acetophenone		1.646	2.003	-21.7#	107	0.00
30	T	m-Toluidine		1.514	1.919	-26.8#	109	0.00
31	T	2-Chloroaniline		1.481	1.814	-22.5#	109	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	87	0.00
56	T	a-Terpineol		0.275	0.319	-16.0	102	0.00
57	T	3-Chloroaniline		0.139	0.177	-27.3#	110	0.00
58	T	2,6-Dichlorophenol		0.270	0.313	-15.9	103	0.00
59	T	1-chloro-2-nitrobenzene		0.108	0.123	-13.9	102	0.00
60	T	Caprolactam		0.165	0.173	-4.8	101	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.401	0.476	-18.7	108	0.00
62	T	Biphenyl		0.885	1.054	-19.1	108	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	83	0.00
84	T	Dichloran	*	5.000	5.546	-10.9	99	0.00
85	T	Pentachloronitrobenzene		0.144	0.161	-11.8	102	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	84	0.00
99	T	Diphenamid		0.413	0.528	-27.8#	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9ICV.D
Acq On : 12 Mar 2025 6:30 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 11453
Misc : WG2039658,,ical
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 12 12:20:59 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:58 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
27) IS2_1,4-Dichlorobenzen...	6.351	152	50080	4.000	ug/ml	0.00
Standard Area 3 = 56555			Recovery = 88.55%			
55) IS2_Naphthalene-d8	7.783	136	184384	4.000	ug/ml	# 0.00
Standard Area 3 = 212446			Recovery = 86.79%			
83) IS2_Acenaphthene-d10	9.550	164	109241	4.000	ug/ml	0.00
Standard Area 3 = 130976			Recovery = 83.41%			
98) IS2_Phenanthrene-d10	10.988	188	223243	4.000	ug/ml	# 0.00
Standard Area 3 = 265623			Recovery = 84.05%			
System Monitoring Compounds						
Target Compounds						Qvalue
28) Benzaldehyde	5.765	105	73385	6.146	ug/ml	94
29) Acetophenone	6.852	105	125365	6.085	ug/ml#	88
30) m-Toluidine	6.957	106	120144	6.337	ug/ml	95
31) 2-Chloroaniline	7.363	127	113544	6.125	ug/ml#	94
56) a-Terpineol	7.862	59	73543	5.806	ug/ml#	86
57) 3-Chloroaniline	7.869	65	40890	6.361	ug/ml	89
58) 2,6-Dichlorophenol	7.898	162	72072	5.790	ug/ml#	87
59) 1-chloro-2-nitrobenzene	8.164	111	28322	5.690	ug/ml#	1
60) Caprolactam	8.207	55	39903	5.259	ug/ml#	88
61) 1,2,4,5-Tetrachloroben...	8.701	216	109727	5.929	ug/ml	98
62) Biphenyl	9.001	154	242983	5.954	ug/ml	98
84) Dichloran	10.685	206	17393	5.546	ug/ml#	74
85) Pentachloronitrobenzene	10.836	237	22043	5.610	ug/ml#	79
99) Diphenamid	11.901	167	147216	6.390	ug/ml#	79

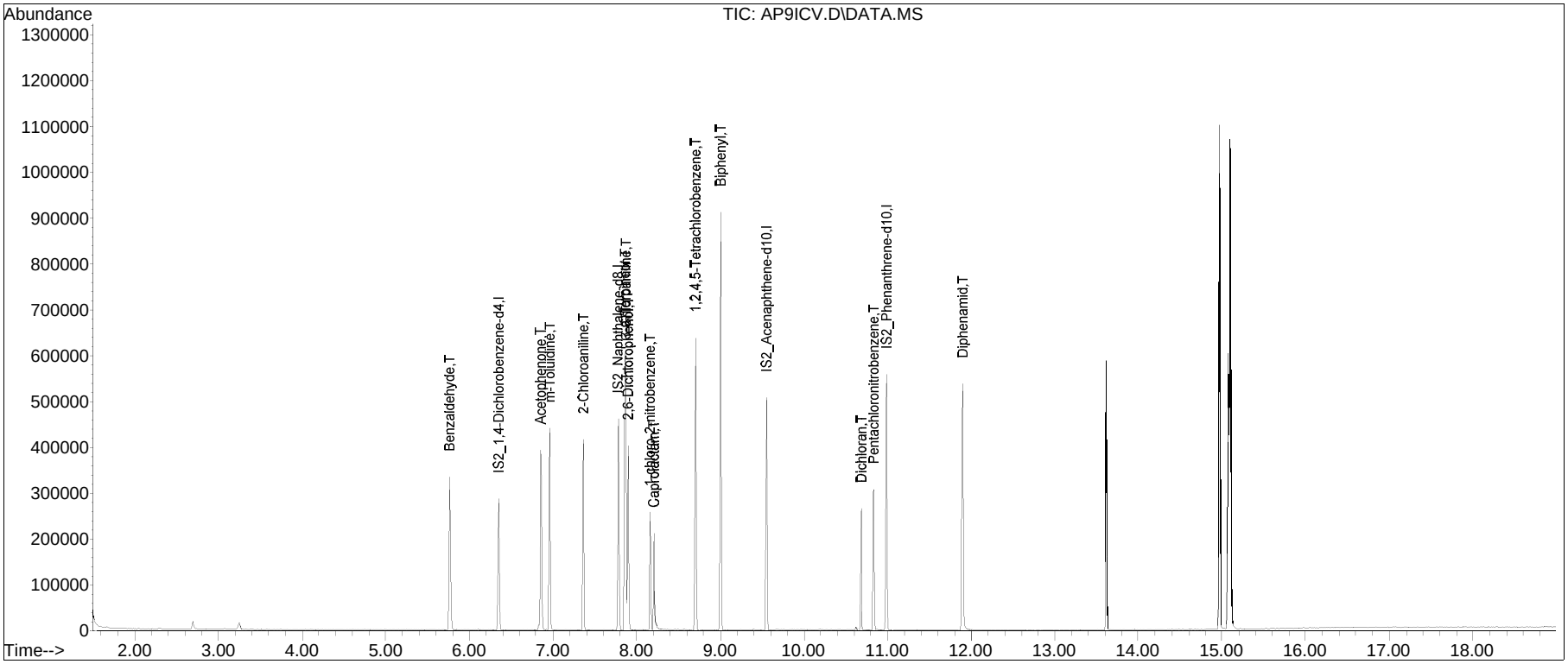
(#) = qualifier out of range (m) = manual integration (+) = signals summed

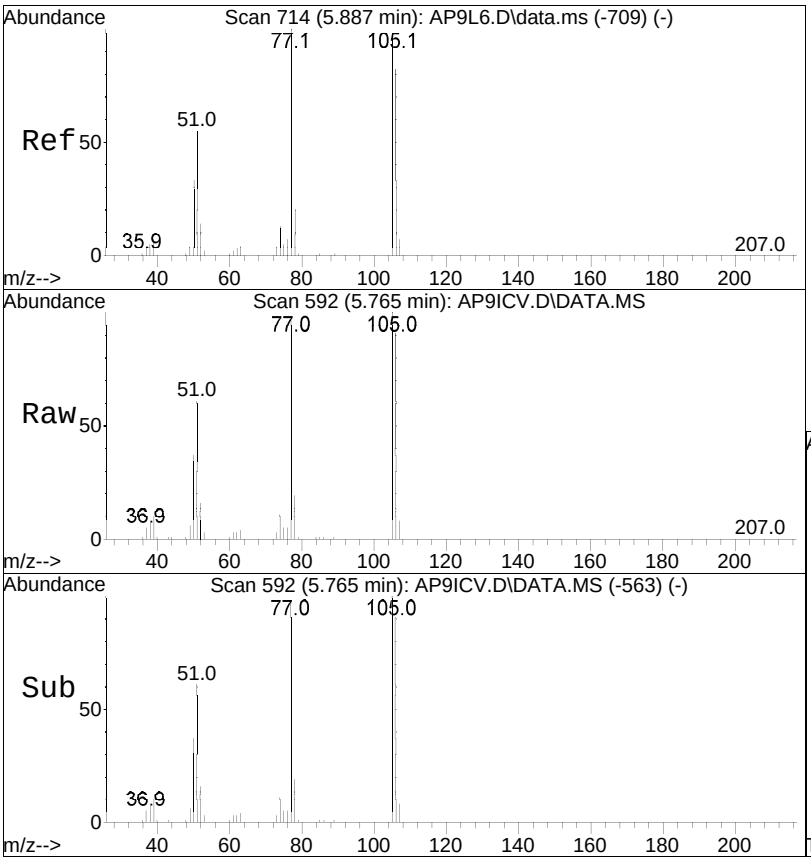
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : AP9ICV.D
Acq On : 12 Mar 2025 6:30 am
Operator : SV106:ljg
Sample : CQICV2,32,,AP9ICV Lot# 11453
Misc : WG2039658,,ical
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Mar 12 12:20:59 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:58 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

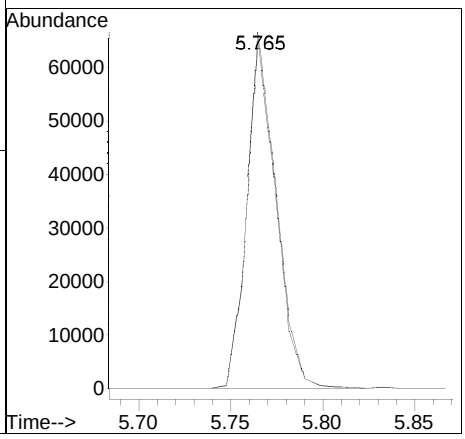


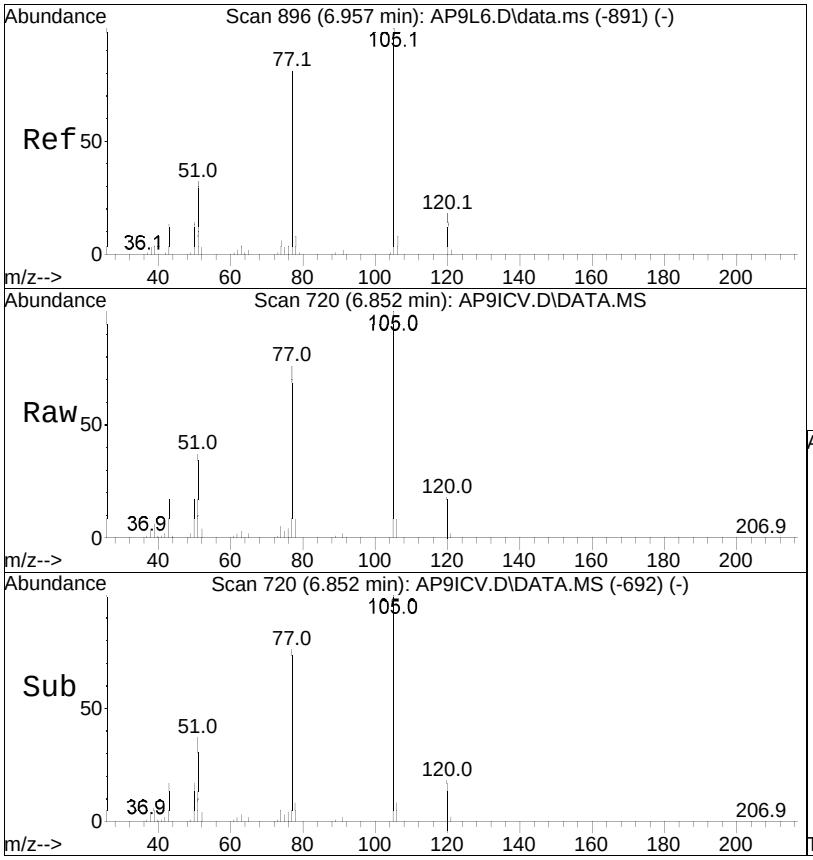


#28
Benzaldehyde
Concen: 6.15 ug/ml
RT: 5.765 min Scan# 592
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:105 Resp: 73385

Ion	Ratio	Lower	Upper
105	100		
77	97.1	82.2	123.4

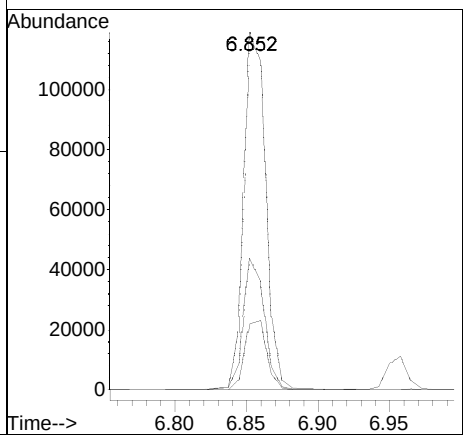


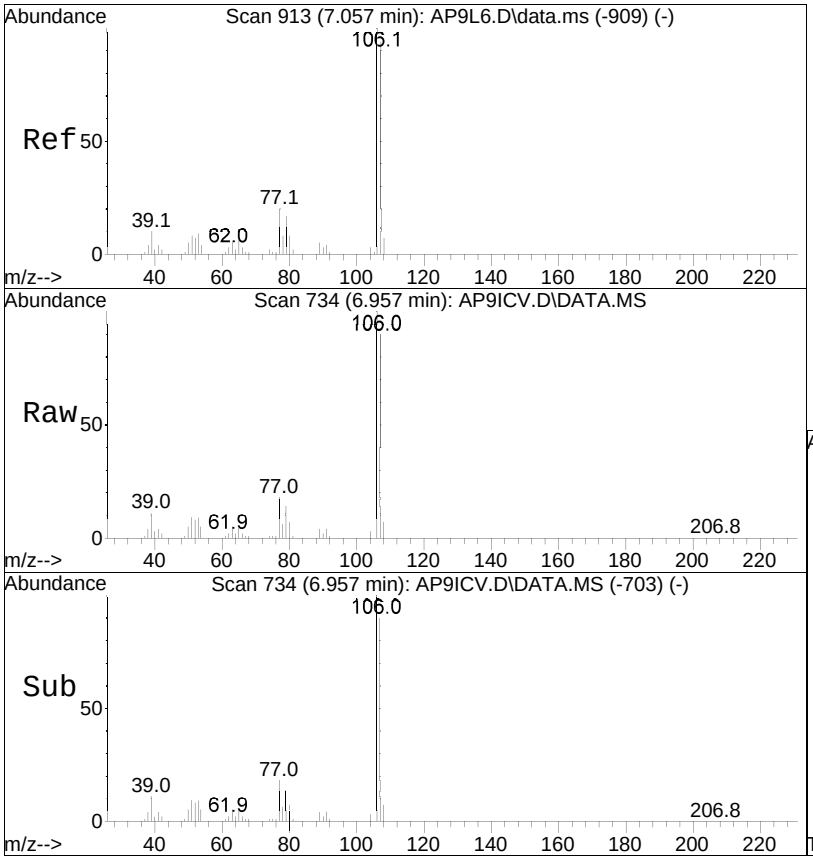


#29
Acetophenone
Concen: 6.08 ug/ml
RT: 6.852 min Scan# 720
Delta R.T. -0.008 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:105 Resp: 125365

Ion	Ratio	Lower	Upper
105	100		
120	19.5	20.5	30.7#
51	36.2	34.9	52.3

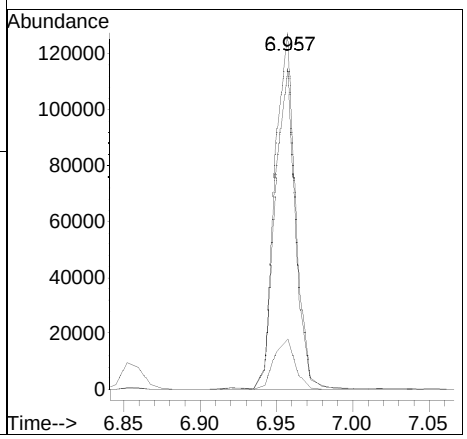


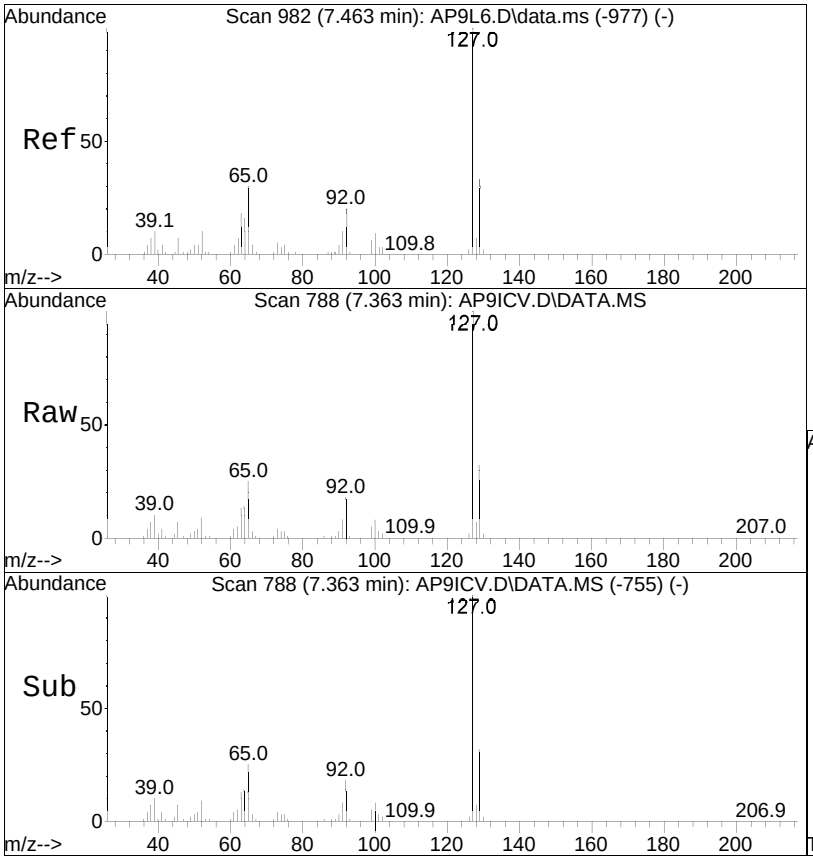


#30
m-Toluidine
Concen: 6.34 ug/ml
RT: 6.957 min Scan# 734
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:106 Resp: 120144

Ion	Ratio	Lower	Upper
106	100		
107	88.8	75.7	113.5
79	14.4	11.8	17.8

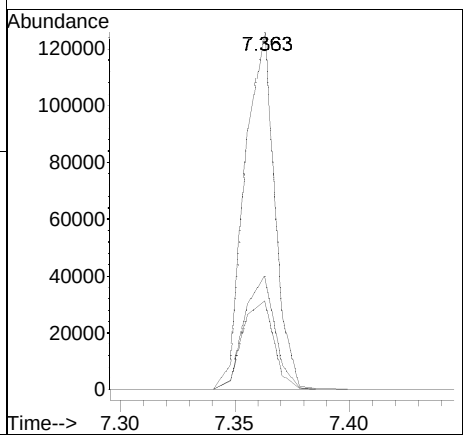


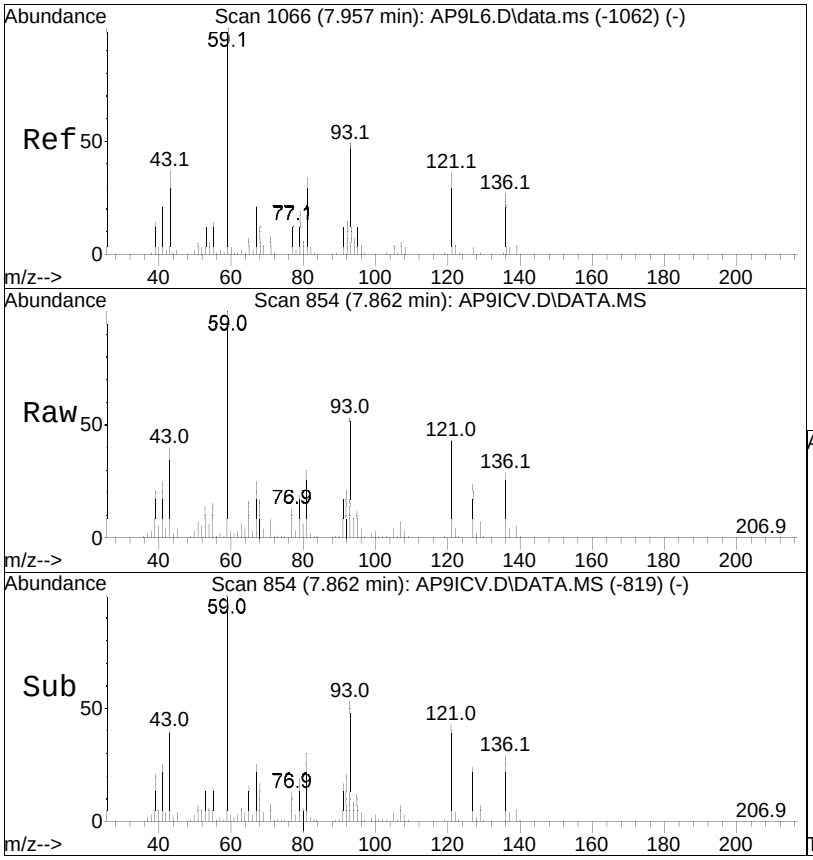


#31
2-Chloroaniline
Concen: 6.12 ug/ml
RT: 7.363 min Scan# 788
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:127 Resp: 113544

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	26.2	26.3	39.5#

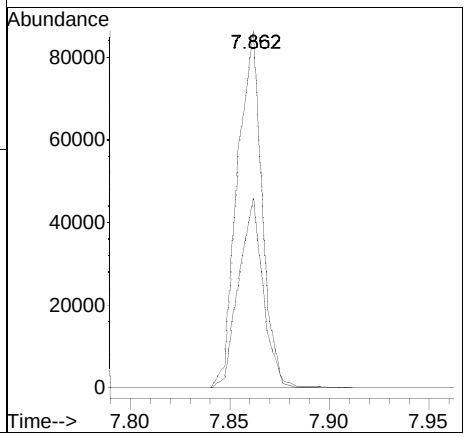


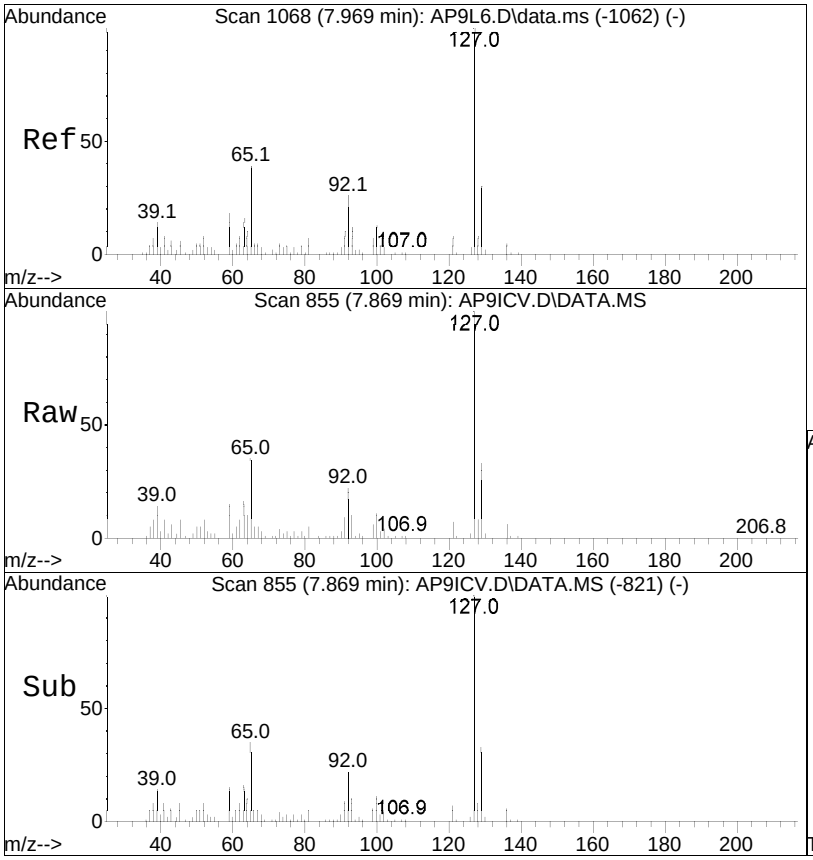


#56
a-Terpineol
Concen: 5.81 ug/ml
RT: 7.862 min Scan# 854
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion: 59 Resp: 73543

Ion	Ratio	Lower	Upper
59	100		
93	53.7	35.6	53.4#

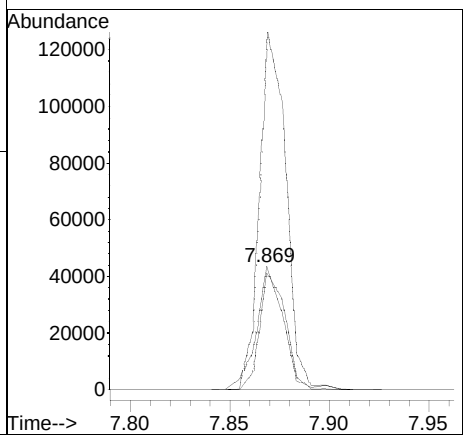


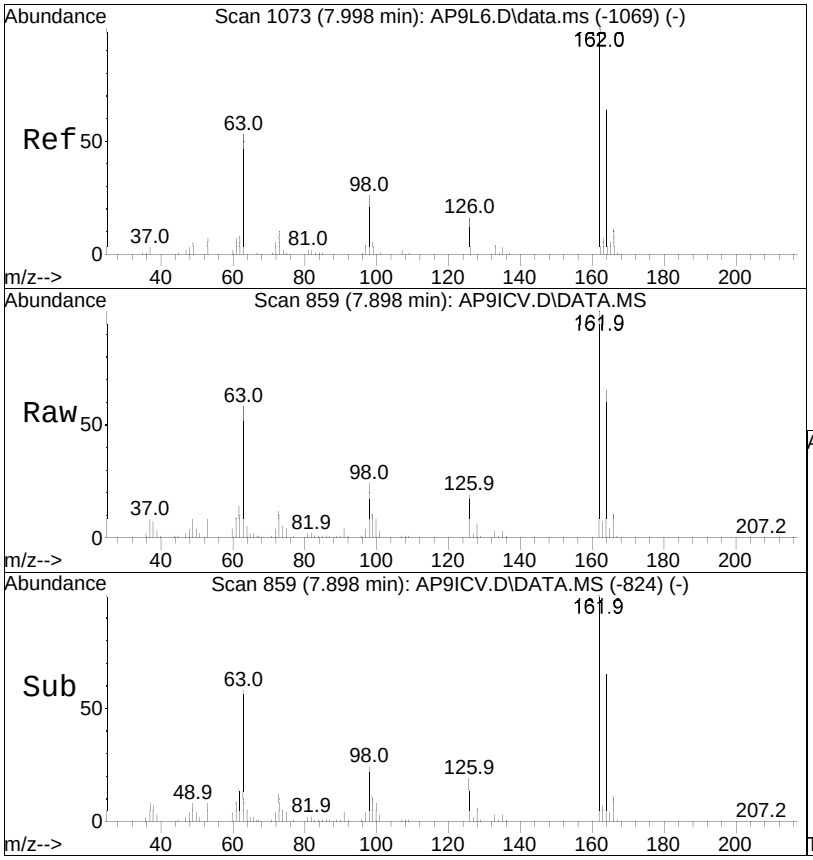


#57
3-Chloroaniline
Concen: 6.36 ug/ml
RT: 7.869 min Scan# 855
Delta R.T. -0.007 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion: 65 Resp: 40890

Ion	Ratio	Lower	Upper
65	100		
127	281.3	243.2	364.8
129	91.0	78.8	118.2

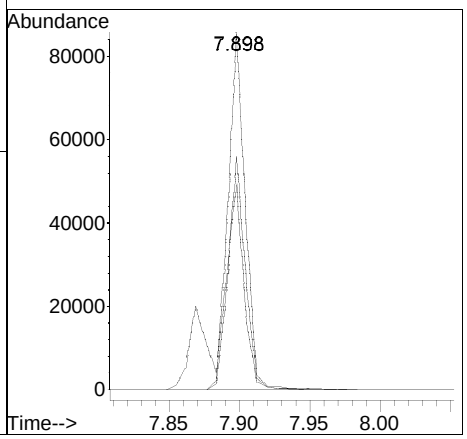


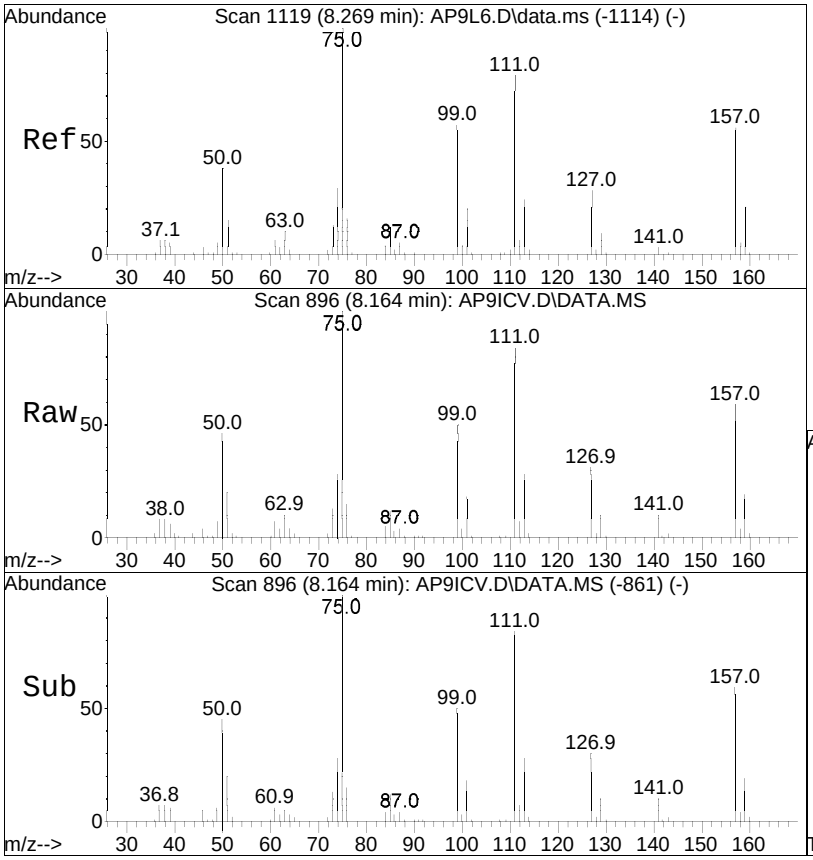


#58
2,6-Dichlorophenol
Concen: 5.79 ug/ml
RT: 7.898 min Scan# 859
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:162 Resp: 72072

Ion	Ratio	Lower	Upper
162	100		
164	64.9	51.1	76.7
63	56.6	60.8	91.2#

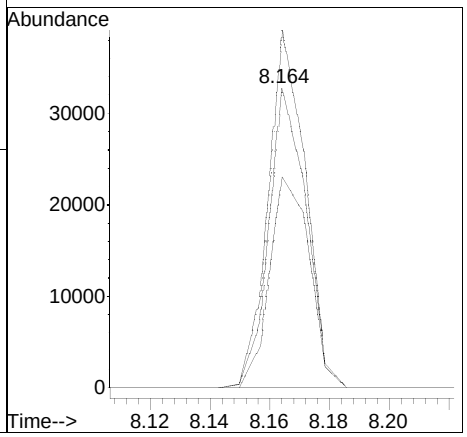


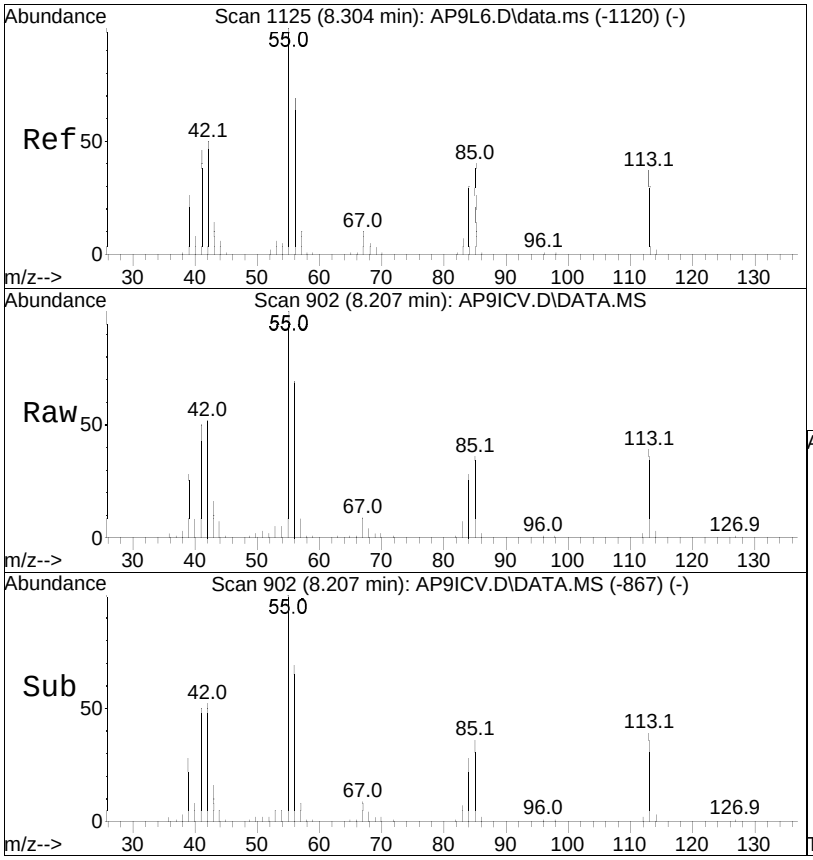


#59
1-chloro-2-nitrobenzene
Concen: 5.69 ug/ml
RT: 8.164 min Scan# 896
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:111 Resp: 28322

Ion	Ratio	Lower	Upper
111	100		
157	75.0	0.0	0.0#
75	118.1	28.2	42.2#

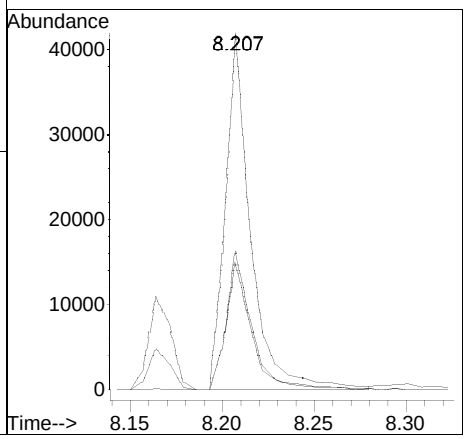


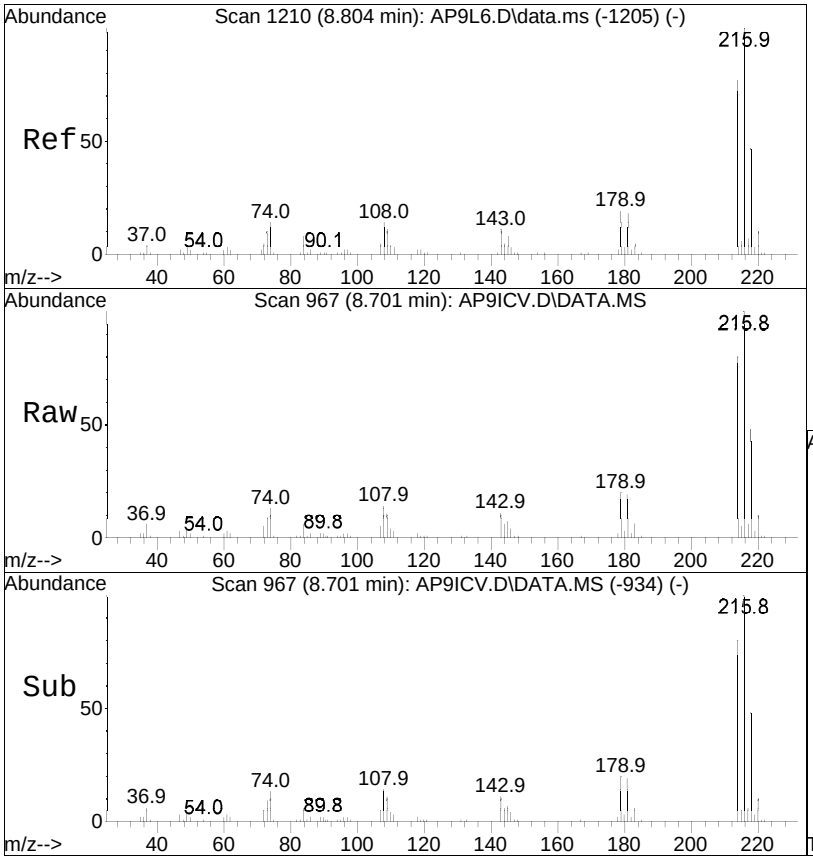


#60
Caprolactam
Concen: 5.26 ug/ml
RT: 8.207 min Scan# 902
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion: 55 Resp: 39903

Ion	Ratio	Lower	Upper
55	100		
85	36.4	19.8	29.6#
113	39.9	29.6	44.4

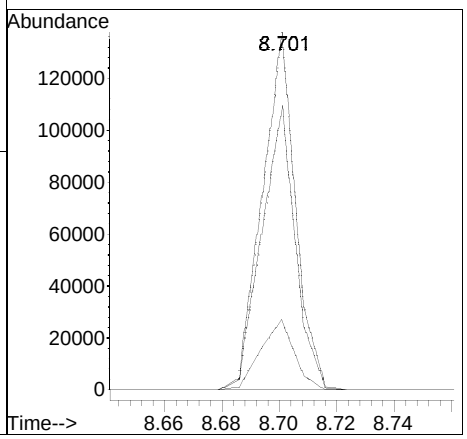


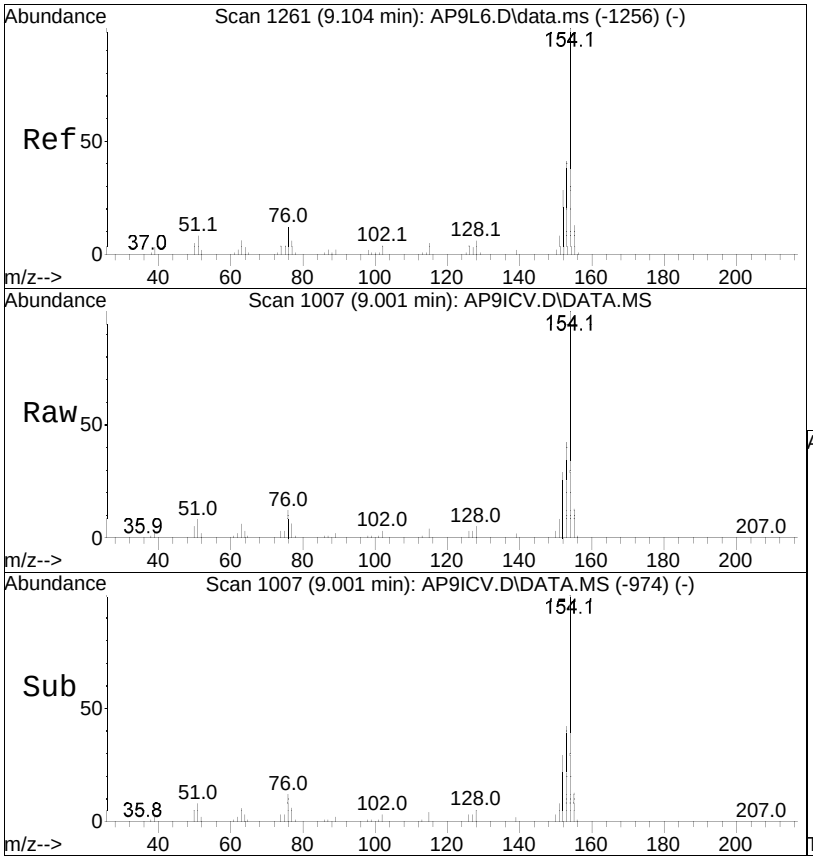


#61
1,2,4,5-Tetrachlorobenzene
Concen: 5.93 ug/ml
RT: 8.701 min Scan# 967
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:216 Resp: 109727

Ion	Ratio	Lower	Upper
216	100		
214	80.1	63.7	95.5
179	20.0	19.0	28.6

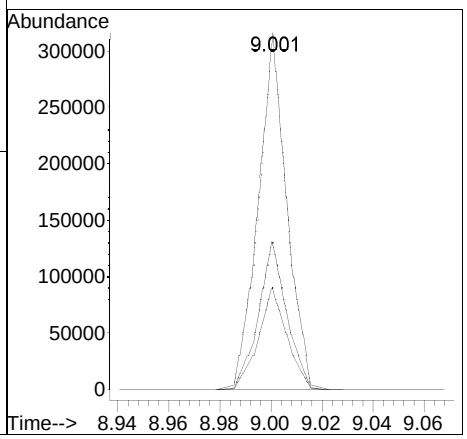


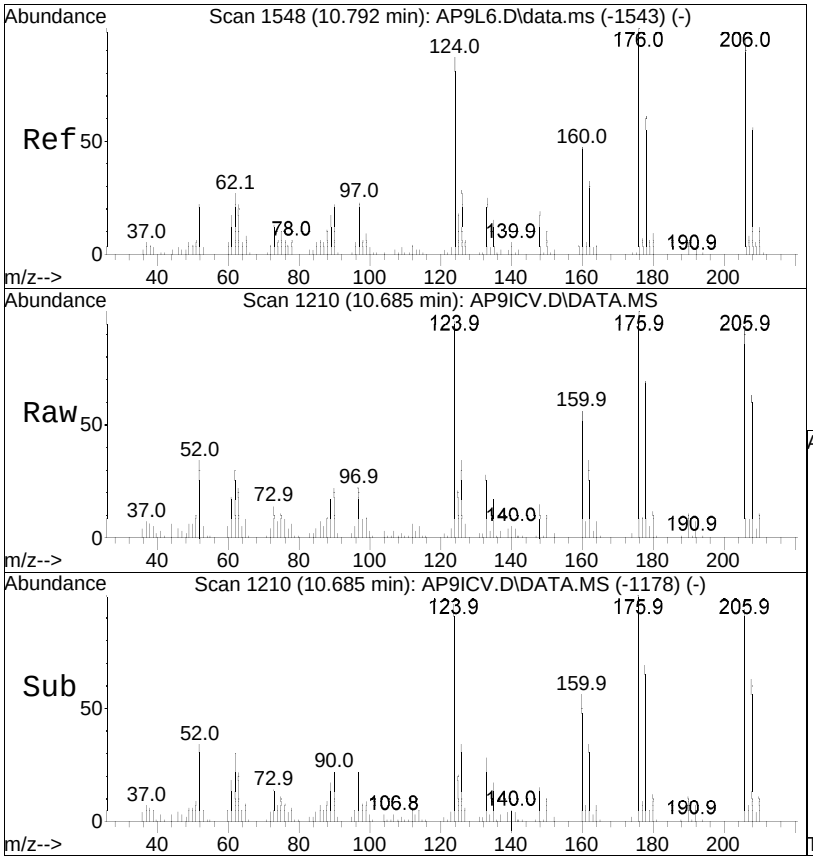


#62
Biphenyl
Concen: 5.95 ug/ml
RT: 9.001 min Scan# 1007
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:154 Resp: 242983

Ion	Ratio	Lower	Upper
154	100		
153	41.5	32.3	48.5
152	29.0	22.5	33.7

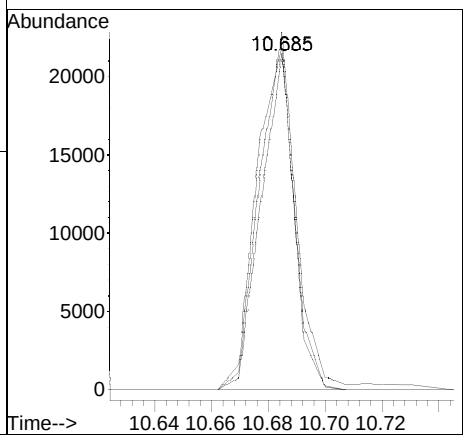


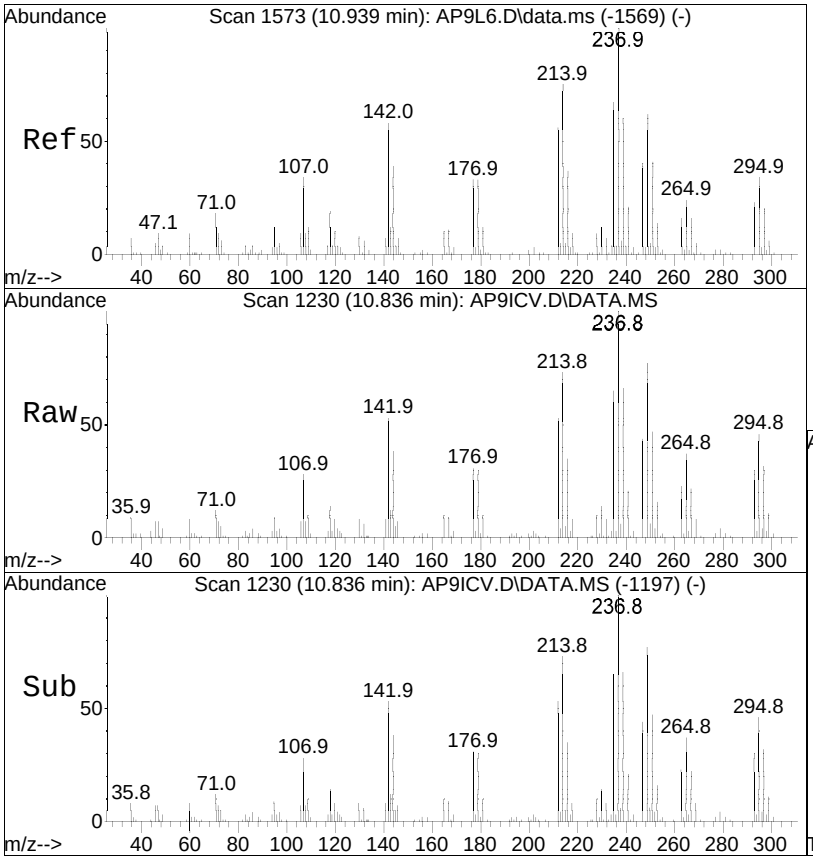


#84
Dichloran
Concen: 5.55 ug/ml
RT: 10.685 min Scan# 1210
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:206 Resp: 17393

Ion	Ratio	Lower	Upper
206	100		
176	118.6	104.6	157.0
124	112.2	130.5	195.7#

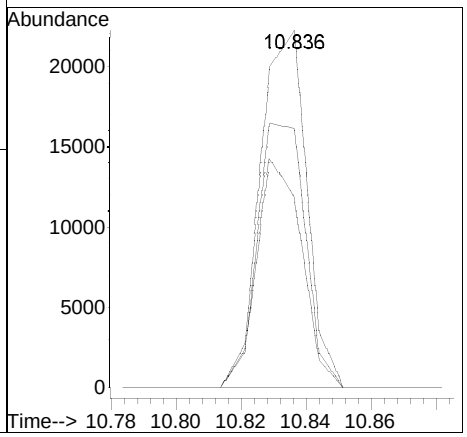


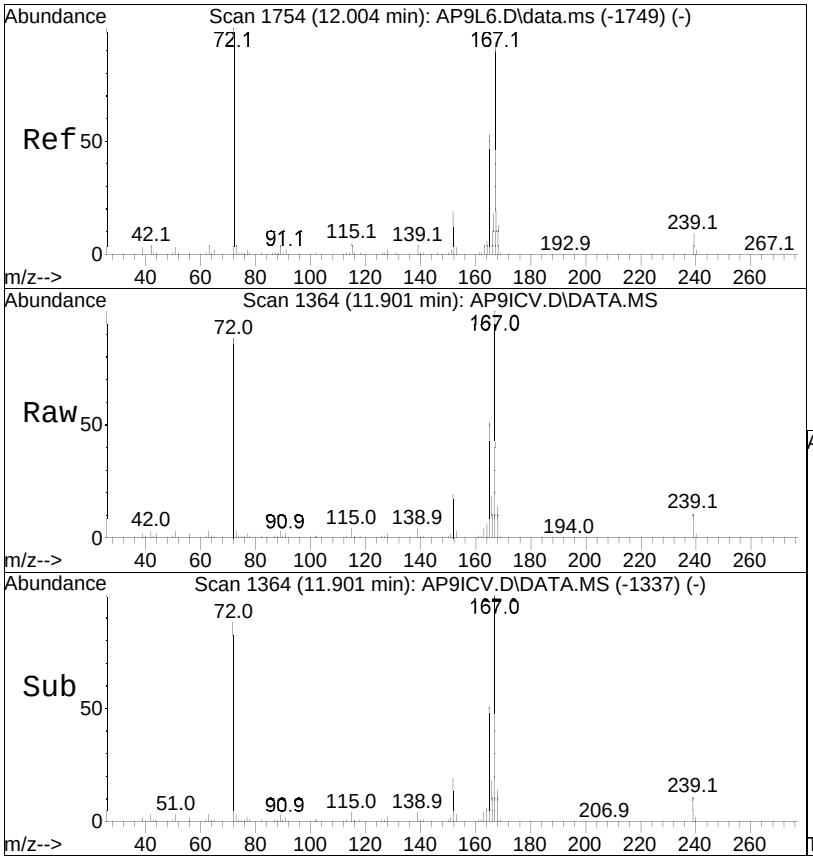


#85
Pentachloronitrobenzene
Concen: 5.61 ug/ml
RT: 10.836 min Scan# 1230
Delta R.T. 0.000 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:237 Resp: 22043

Ion	Ratio	Lower	Upper
237	100		
142	62.4	77.0	115.4#
214	76.4	58.2	87.4

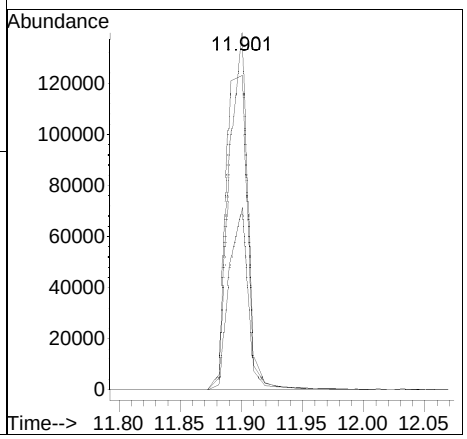




#99
Diphenamid
Concen: 6.39 ug/ml
RT: 11.901 min Scan# 1364
Delta R.T. 0.001 min
Lab File: AP9ICV.D
Acq: 12 Mar 2025 6:30 am

Tgt Ion:167 Resp: 147216

Ion	Ratio	Lower	Upper
167	100		
72	102.5	109.7	164.5#
165	52.9	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: AP9ICV.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 6:30 am	Instrument	: SV 106
Sample	: CQICV2,32,,AP9ICV Lot# 114	Quant Date	: 3/12/2025 12:21 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPICV.D
Acq On : 12 Mar 2025 6:53 am
Operator : SV106:ljg
Sample : CQICV,32,,ADPICV Lot# 11454
Misc : WG2039658,,ical
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 12 12:20:50 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:49 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	90	-0.02
33	t	1,4-Dioxane		0.548	0.490	10.6	95	-0.01
34	T	n-Decane		1.700	1.734	-2.0	100	-0.02
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	91	-0.02
87	T	Atrazine		0.366	0.339	7.4	92	-0.02
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	92	-0.02
101	T	n-Octadecane		0.458	0.469	-2.4	98	-0.02
102	T	Parathion	*	5.000	4.964	0.7	90	-0.02
103	T	3,3'-Dimethylbenzidine	*	5.000	4.470	10.6	94	-0.03

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPICV.D
Acq On : 12 Mar 2025 6:53 am
Operator : SV106:ljg
Sample : CQICV,32,,ADPICV Lot# 11454
Misc : WG2039658,,ical
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 12 12:20:50 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:49 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311RVTical\ABNL6.D
: 2 - I:\8270\SV106\250311RVTical\ADPL6.D
: 3 - I:\8270\SV106\250311RVTical\AP9L6.D
Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
32) IS3_1,4-Dichlorobenzen...	6.351	152	52682	4.000	ug/ml	-0.02
Standard Area 2 = 58261			Recovery = 90.42%			
86) IS3_Acenaphthene-d10	9.550	164	115579	4.000	ug/ml	-0.02
Standard Area 2 = 127382			Recovery = 90.73%			
100) IS3_Phenanthrene-d10	10.988	188	244485	4.000	ug/ml	#-0.02
Standard Area 2 = 266366			Recovery = 91.79%			
System Monitoring Compounds						
Target Compounds						Qvalue
33) 1,4-Dioxane	1.746	88	32235	4.467	ug/ml	# 62
34) n-Decane	6.249	57	114193	5.101	ug/ml	# 37
87) Atrazine	10.760	200	48983	4.638	ug/ml	96
101) n-Octadecane	10.972	57	143247	5.118	ug/ml	# 1
102) Parathion	11.778	109	17069	4.964	ug/ml	# 92
103) 3,3'-Dimethylbenzidine	13.054	212	187467	4.470	ug/ml	100

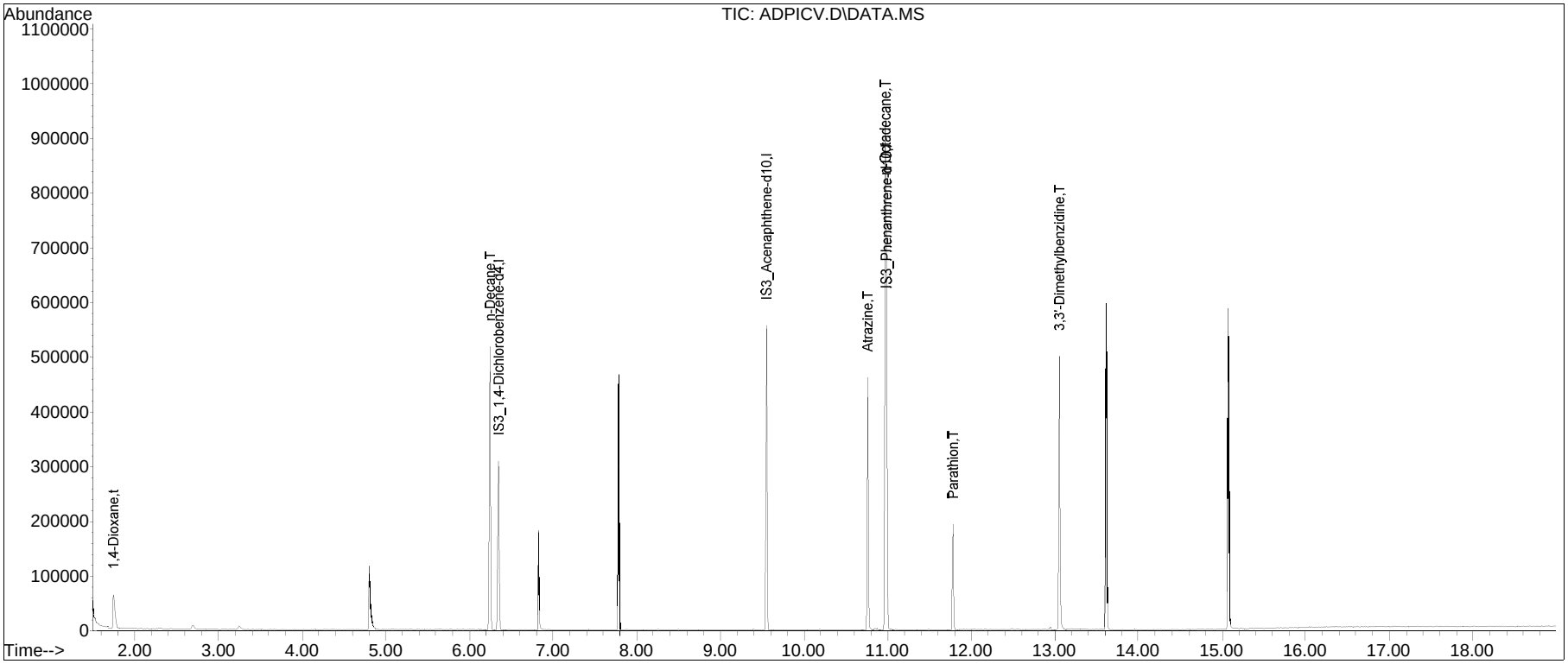
(#) = qualifier out of range (m) = manual integration (+) = signals summed

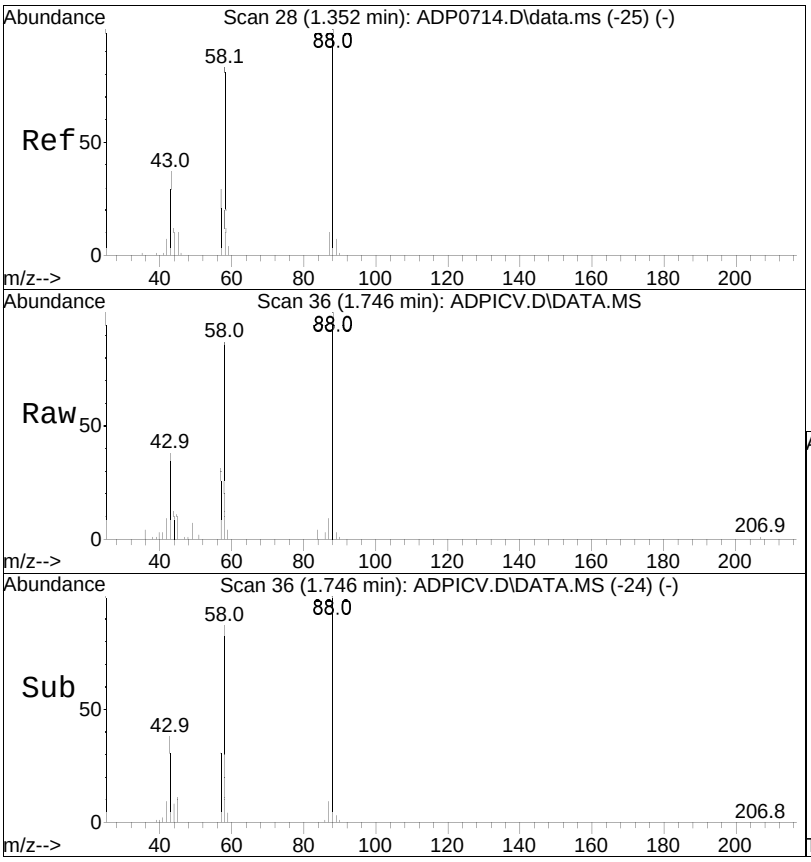
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311RVTical\
Data File : ADPICV.D
Acq On : 12 Mar 2025 6:53 am
Operator : SV106:ljg
Sample : CQICV,32,,ADPICV Lot# 11454
Misc : WG2039658,,ical
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Mar 12 12:20:50 2025
Quant Method : I:\8270\SV106\250311RVTical\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Mar 12 12:21:49 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\AP9L6.D•

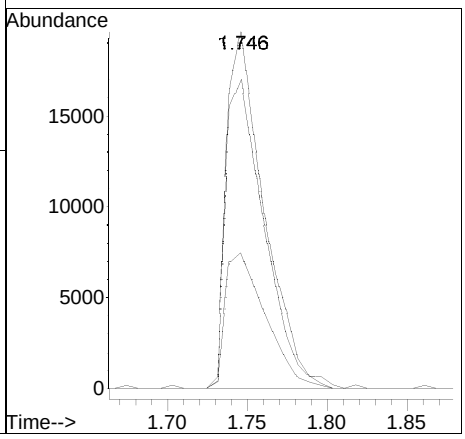


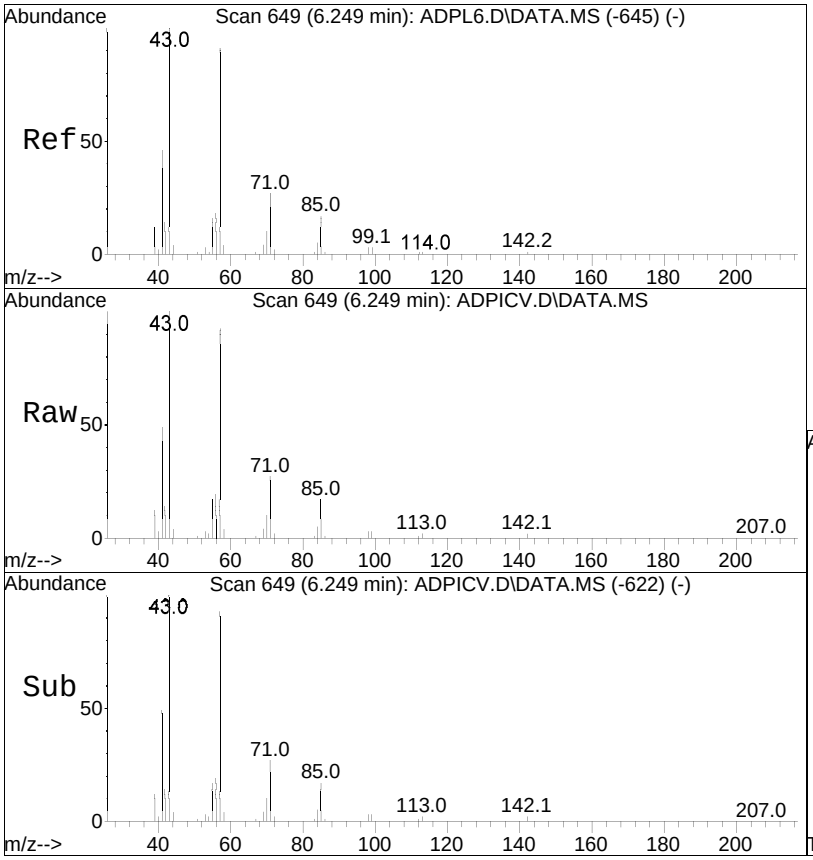


#33
1,4-Dioxane
Concen: 4.47 ug/ml
RT: 1.746 min Scan# 36
Delta R.T. -0.014 min
Lab File: ADPICV.D
Acq: 12 Mar 2025 6:53 am

Tgt Ion: 88 Resp: 32235

Ion	Ratio	Lower	Upper
88	100		
58	88.4	44.8	67.2#
43	40.7	22.4	33.6#

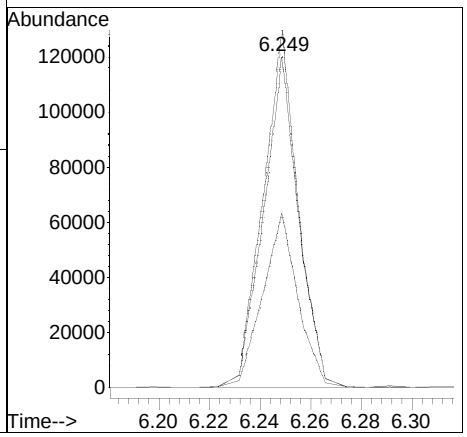


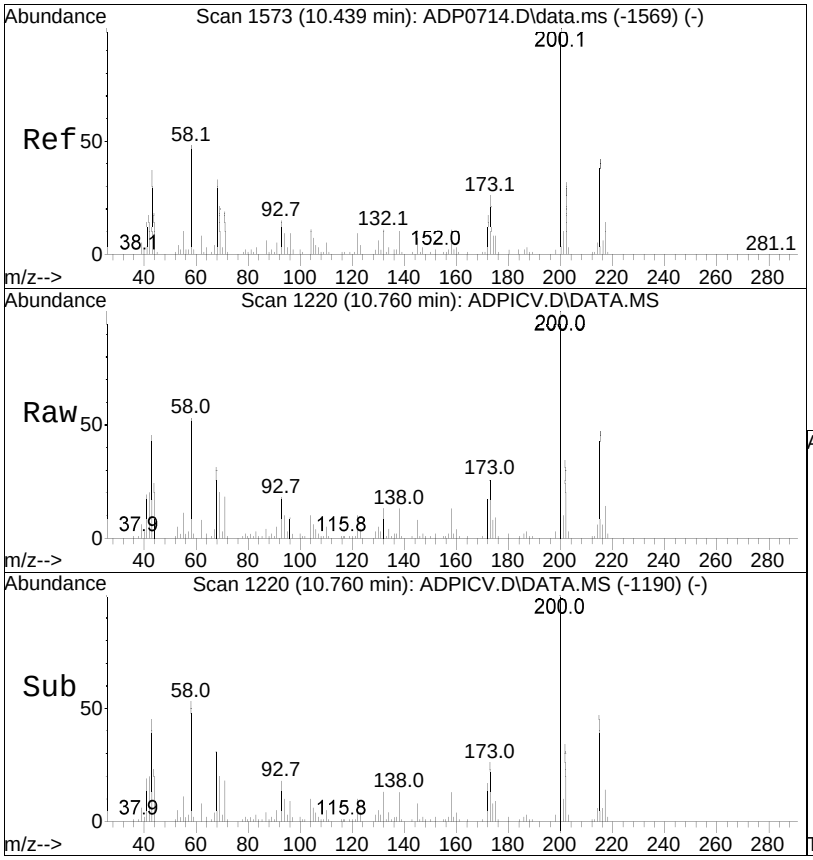


#34
n-Decane
Concen: 5.10 ug/ml
RT: 6.249 min Scan# 649
Delta R.T. -0.023 min
Lab File: ADPICV.D
Acq: 12 Mar 2025 6:53 am

Tgt Ion: 57 Resp: 114193

Ion	Ratio	Lower	Upper
57	100		
43	108.0	0.2	0.2#
41	53.4	0.2	0.2#

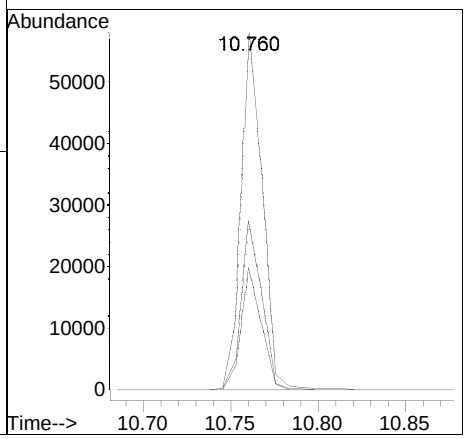


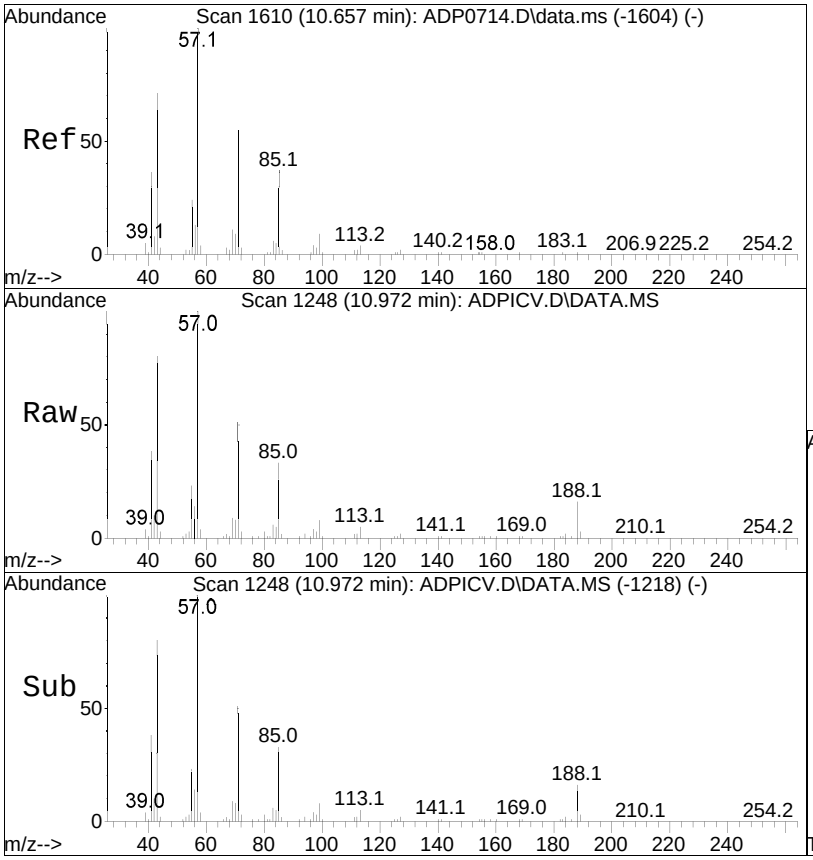


#87
Atrazine
Concen: 4.64 ug/ml
RT: 10.760 min Scan# 1220
Delta R.T. -0.023 min
Lab File: ADPICV.D
Acq: 12 Mar 2025 6:53 am

Tgt Ion:200 Resp: 48983

Ion	Ratio	Lower	Upper
200	100		
202	32.4	25.8	38.6
215	45.9	40.2	60.4

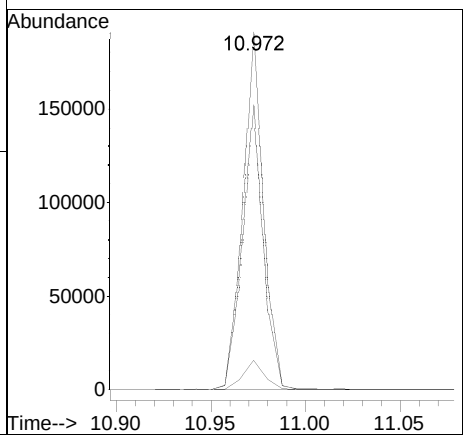


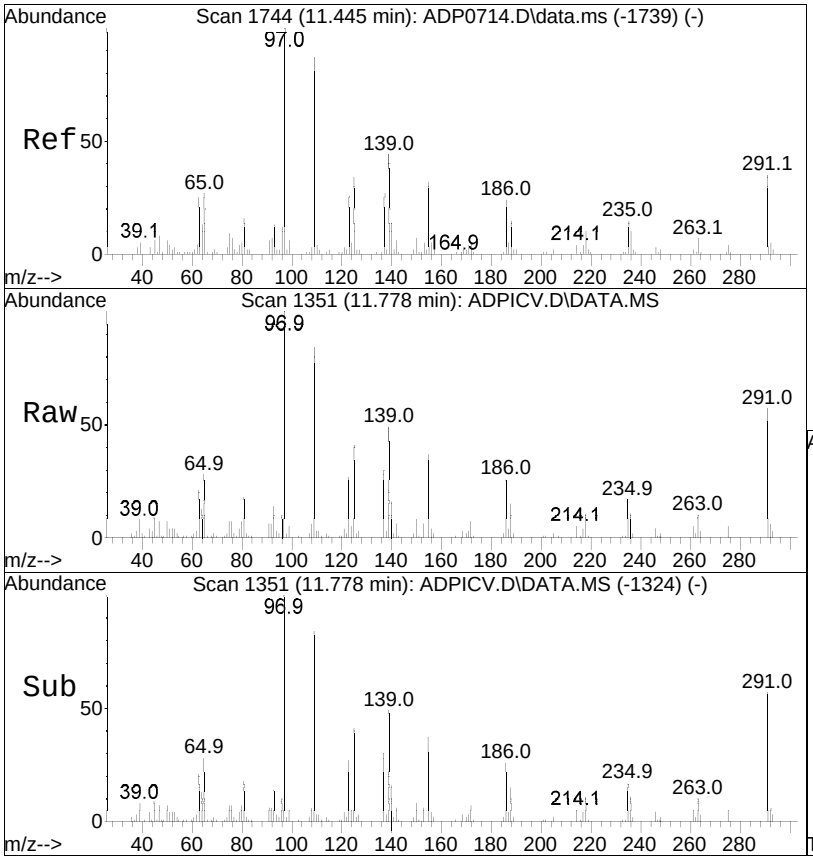


#101
n-Octadecane
Concen: 5.12 ug/ml
RT: 10.972 min Scan# 1248
Delta R.T. -0.023 min
Lab File: ADPICV.D
Acq: 12 Mar 2025 6:53 am

Tgt Ion: 57 Resp: 143247

Ion	Ratio	Lower	Upper
57	100		
43	81.2	9.0	13.6#
70	8.5	0.2	0.2#

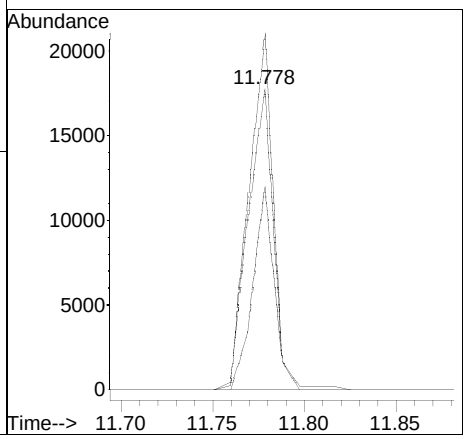


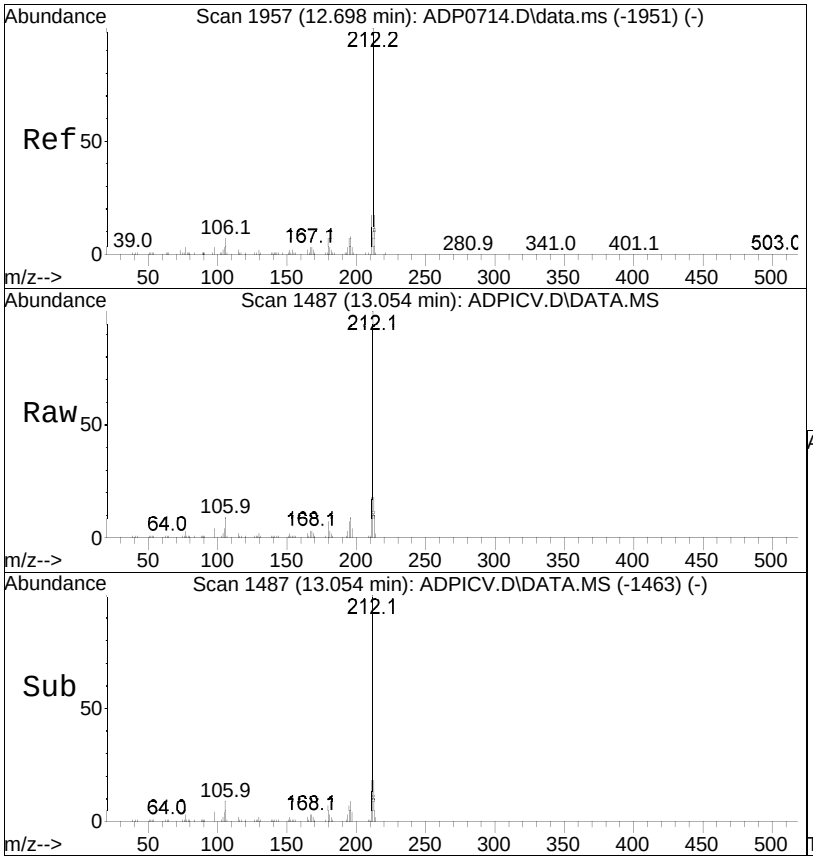


#102
Parathion
Concen: 4.96 ug/ml
RT: 11.778 min Scan# 1351
Delta R.T. -0.023 min
Lab File: ADPICV.D
Acq: 12 Mar 2025 6:53 am

Tgt Ion:109 Resp: 17069

Ion	Ratio	Lower	Upper
109	100		
97	111.7	87.4	131.2
291	56.2	34.2	51.2#

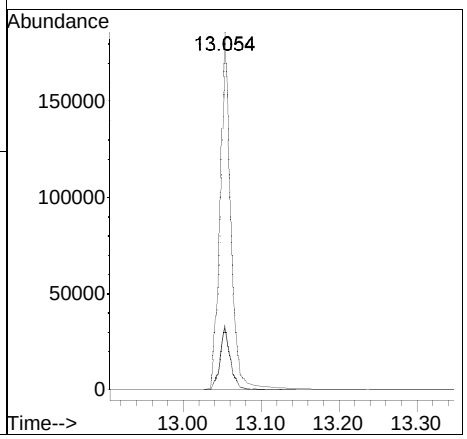




#103
3,3'-Dimethylbenzidine
Concen: 4.47 ug/ml
RT: 13.054 min Scan# 1487
Delta R.T. -0.029 min
Lab File: ADPICV.D
Acq: 12 Mar 2025 6:53 am

Tgt Ion:212 Resp: 187467

Ion	Ratio	Lower	Upper
212	100		
211	15.9	12.9	19.3
213	16.6	13.2	19.8



Manual Integration Report

Data Path	: I:\8270\SV106\250311RVTica	QMethod	: FS250311SV106.m
Data File	: ADPICV.D	Operator	: SV106:ljg
Date Inj'd	: 3/12/2025 6:53 am	Instrument	: SV 106
Sample	: CQICV,32,,ADPICV Lot# 1145	Quant Date	: 3/12/2025 12:21 pm

There are no manual integrations or false positives in this file.

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\250311RVTical\
Method File : FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Mar 12 12:21:00 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37 T	Benzoic Acid	Q	ug/ml	5.0	3.802	-24.0	0.50	0.700	40.0
49 T	1,4-Dinitrobenzene	Q	ug/ml	5.0	4.814	-3.7	0.20	0.128	-36.0
66 T	2,4-Dinitrophenol	Q	ug/ml	5.0	4.507	-9.9	0.10	0.139	39.0
68 T	2,4-Dinitrotoluene	Q	ug/ml	5.0	4.773	-4.5	0.10	0.134	34.0
76 T	4,6-Dinitro-o-cresol	L	ug/ml	5.0	4.279	-14.4	0.50	0.727	45.4
84 T	Dichloran	L	ug/ml	5.0	4.973	-0.5	2.50	3.122	24.9
97 T	Butyl benzyl phthalate	L	ug/ml	5.0	4.363	-12.7	0.50	0.710	42.0
102 T	Parathion	Q	ug/ml	5.0	5.062	1.2	0.50	0.495	-1.0
103 T	3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.389	-12.2	2.50	2.654	6.2
108 T	Bis(2-ethylhexyl)phthalate	L	ug/ml	5.0	4.518	-9.6	0.20	0.289	44.5
109 T	Di-n-octylphthalate	L	ug/ml	5.0	4.299	-14.0	0.50	0.725	45.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37 T	Benzoic Acid	Quadratic	0.997895	0.017298	0.118996	-0.00334956
49 T	1,4-Dinitrobenzene	Quadratic	0.999966	0.007385	0.00642516	0.000488527
66 T	2,4-Dinitrophenol	Quadratic	0.995642	0.003294	0.128885	-0.00332982
68 T	2,4-Dinitrotoluene	Quadratic	0.997850	0.012914	0.33636	-0.00539953
76 T	4,6-Dinitro-o-cresol	Linear	0.992945	0.000000	0.227666	-0.0237378
84 T	Dichloran	Linear	0.998600	0.000000	0.173737	-0.0816857
97 T	Butyl benzyl phthalate	Linear	0.994123	0.000000	0.552985	-0.0530676
102 T	Parathion	Quadratic	0.999965	0.010433	0.0408483	0.00305091
103 T	3,3'-Dimethylbenzidine	Linear	0.994476	0.000000	1.01936	-0.372446
108 T	Bis(2-ethylhexyl)phthalate	Linear	0.996118	0.000000	0.750968	-0.0325275
109 T	Di-n-octylphthalate	Linear	0.993052	0.000000	1.34507	-0.145299

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2536247	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 06/15/25 19:00	
Lab File ID	: ABN0615		**Init. Calib. Date(s)**	: 03/11/25	03/12/25
Sample No	: WG2078811-3		**Init. Calib. Times**	: 16:50	06:06
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	98	0
n-Nitrosodimethylamine	0.718	0.643	-	10.4	20	90	0
Pyridine	1.251	0.834	-	33.3*	20	71	0
2-Fluorophenol	1.128	1.029	-	8.8	20	91	0
Aniline	1.738	1.586	-	8.7	20	86	0
2-Chlorophenol	1.218	1.174	-	3.6	20	96	0
Phenol-d6	1.323	1.286	-	2.8	20	96	0
Phenol	1.459	1.358	-	6.9	20	93	0
Bis(2-chloroethyl)ether	1.159	1.096	-	5.4	20	95	0
1,3-Dichlorobenzene	1.54	1.418	-	7.9	20	95	0
1,4-Dichlorobenzene	1.574	1.46	-	7.2	20	93	0
1,2-Dichlorobenzene	1.49	1.368	-	8.2	20	94	0
Benzyl alcohol	0.91	0.878	-	3.5	20	95	0
Bis(2-chloroisopropyl)ethe	2.704	2.409	-	10.9	20	91	0
2-Methylphenol	1.283	0.962	-	25*	20	77	0
Hexachloroethane	0.546	0.504	-	7.7	20	92	0
n-Nitrosodi-n-propylamine	0.855	0.757	-	11.5	20	88	0
3-Methylphenol/4-Methylphe	1.11	1.038	-	6.5	20	92	0
Nitrobenzene-d5	1.096	1.15	-	-4.9	20	102	0
Nitrobenzene	1.118	1.181	-	-5.6	20	102	0
Isophorone	2.296	1.926	-	16.1	20	83	0
2-Nitrophenol	0.509	0.579	-	-13.8	20	111	0
2,4-Dimethylphenol	1.198	0.955	-	20.3*	20	76	0
Bis(2-chloroethoxy)methane	1.639	1.348	-	17.8	20	90	0
2,4-Dichlorophenol	1.137	1.074	-	5.5	20	91	0
1,2,4-Trichlorobenzene	1.457	1.297	-	11	20	92	0
IS1_Naphthalene-d8	1	1	-	0	20	96	0
Naphthalene	1.066	0.991	-	7	20	93	0
Benzoic Acid	5	5.09	-	-1.8	20	135	0
4-Chloroaniline	0.132	0.127	-	3.8	20	92	0
Hexachlorobutadiene	0.244	0.222	-	9	20	89	0
p-Chloro-m-cresol	0.325	0.259	-	20.3*	20	80	0
2-Methylnaphthalene	0.638	0.599	-	6.1	20	92	0
1-Methylnaphthalene	0.245	0.226	-	7.8	20	93	0
Hexachlorocyclopentadiene	0.3	0.28	-	6.7	20	90	0
2,4,6-Trichlorophenol	0.251	0.239	-	4.8	20	91	0
2,4,5-Trichlorophenol	0.255	0.264	-	-3.5	20	96	0
2-Fluorobiphenyl	0.923	0.846	-	8.3	20	91	0
2-Chloronaphthalene	0.756	0.691	-	8.6	20	90	0
2-Nitroaniline	0.166	0.188	-	-13.3	20	104	0
1,4-Dinitrobenzene	5	14.472	-	-189.4*	20	610	0
1,3-Dinitrobenzene	0.104	0.112	-	-7.7	20	108	0
Dimethyl phthalate	0.908	0.804	-	11.5	20	85	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/15/25 19:00		
Lab File ID	: ABN0615	**Init. Calib. Date(s)**	: 03/11/25	03/12/25	
Sample No	: WG2078811-3	**Init. Calib. Times**	: 16:50	06:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.201	1.114	-	7.2	20	91	0
2,6-Dinitrotoluene	0.151	0.167	-	-10.6	20	90	0
1,2-Dinitrobenzene	0.063	0.076	-	-20.6*	20	105	0
IS1_Acenaphthene-d10	1	1	-	0	20	87	0
3-Nitroaniline	0.252	0.304	-	-20.6*	20	100	0
Acenaphthene	1.101	1.028	-	6.6	20	88	0
2,4-Dinitrophenol	5	5.684	-	-13.7	20	111	0
Dibenzofuran	1.914	1.697	-	11.3	20	88	0
2,4-Dinitrotoluene	5	5.415	-	-8.3	20	100	0
4-Nitrophenol	0.192	0.241	-	-25.5*	20	106	0
2,3,5,6-Tetrachlorophenol	0.365	0.382	-	-4.7	20	94	0
2,3,4,6-Tetrachlorophenol	0.344	0.384	-	-11.6	20	96	0
Diethyl phthalate	1.359	1.272	-	6.4	20	83	0
Fluorene	1.41	1.377	-	2.3	20	89	0
4-Chlorophenyl phenyl ethe	0.738	0.699	-	5.3	20	89	0
4-Nitroaniline	0.246	0.305	-	-24*	20	102	0
4,6-Dinitro-o-cresol	5	5.533	-	-10.7	20	116	0
NDPA/DPA	1.176	1.134	-	3.6	20	87	0
Azobenzene	1.121	1.109	-	1.1	20	87	0
2,4,6-Tribromophenol	0.206	0.208	-	-1	20	85	0
4-Bromophenyl phenyl ether	0.463	0.412	-	11	20	82	0
Hexachlorobenzene	0.543	0.478	-	12	20	83	0
Pentachlorophenol	0.282	0.279	-	1.1	20	88	0
IS1_Phenanthrene-d10	1	1	-	0	20	89	0
Phenanthrene	1.135	1.082	-	4.7	20	90	0
Anthracene	1.107	1.079	-	2.5	20	88	0
Carbazole	0.989	0.972	-	1.7	20	87	0
Di-n-butylphthalate	1.116	1.006	-	9.9	20	80	0
Fluoranthene	1.298	1.292	-	0.5	20	91	0
Benzidine	0.704	0.756	-	-7.4	20	91	0
Pyrene	1.359	1.393	-	-2.5	20	93	0
4-Terphenyl-d14	1.038	1.051	-	-1.3	20	93	0
Butyl benzyl phthalate	5	4.33	-	13.4	20	88	0
IS1_Chrysene-d12	1	1	-	0	20	94	0
Benzo(a)anthracene	1.278	1.213	-	5.1	20	94	0
3,3'-Dichlorobenzidine	0.429	0.446	-	-4	20	92	0
Chrysene	1.267	1.178	-	7	20	93	0
Bis(2-ethylhexyl)phthalate	5	4.118	-	17.6	20	85	0
Di-n-octylphthalate	5	3.797	-	24.1*	20	82	0
Benzo(b)fluoranthene	1.314	1.196	-	9	20	84	0
Benzo(k)fluoranthene	1.222	1.179	-	3.5	20	94	0
Benzo(a)pyrene	1.157	1.097	-	5.2	20	88	0
IS1_Perylene-d12	1	1	-	0	20	90	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2536247	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 06/15/25 19:00	
Lab File ID	: ABN0615		**Init. Calib. Date(s)**	: 03/11/25	03/12/25
Sample No	: WG2078811-3		**Init. Calib. Times**	: 16:50	06:06
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.068	1.046	-	2.1	20	83	0
Dibenzo(a,h)anthracene	1.063	1.052	-	1	20	86	0
Benzo(ghi)perylene	1.047	1.012	-	3.3	20	85	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/15/25 19:24		
Lab File ID	: AP90615	**Init. Calib. Date(s)**	: 03/11/25	03/12/25	
Sample No	: WG2078811-4	**Init. Calib. Times**	: 16:50	06:06	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	94	0
Benzaldehyde	0.954	0.838	-	12.2	20	83	0
Acetophenone	1.646	1.564	-	5	20	88	0
m-Toluidine	1.514	1.445	-	4.6	20	87	0
2-Chloroaniline	1.481	1.405	-	5.1	20	90	0
IS2_Naphthalene-d8	1	1	-	0	20	86	0
a-Terpineol	0.275	0.293	-	-6.5	20	93	0
3-Chloroaniline	0.139	0.147	-	-5.8	20	91	0
2,6-Dichlorophenol	0.27	0.282	-	-4.4	20	92	0
1-chloro-2-nitrobenzene	0.108	0.126	-	-16.7	20	105	0
Caprolactam	0.165	0.147	-	10.9	20	86	0
1,2,4,5-Tetrachlorobenzene	0.401	0.389	-	3	20	88	0
Biphenyl	0.885	0.832	-	6	20	85	0
IS2_Acenaphthene-d10	1	1	-	0	20	82	0
Dichloran	5	5.92	-	-18.4	20	108	0
Pentachloronitrobenzene	0.144	0.154	-	-6.9	20	96	0
IS2_Phenanthrene-d10	1	1	-	0	20	82	0
Diphenamid	0.413	0.41	-	0.7	20	79	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser		**Lab Number**	: L2536247	
Project Name	: ROANOKE SAND AND GRAVEL		**Project Number**	: BSD1504	
Instrument ID	: SV106		**Calibration Date**	: 06/15/25 19:47	
Lab File ID	: ADP0615		**Init. Calib. Date(s)**	: 03/11/25	03/12/25
Sample No	: WG2078811-5		**Init. Calib. Times**	: 16:50	06:06
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
1,4-Dioxane	0.548	0.413	-	24.6*	20	91	0
n-Decane	1.7	1.534	-	9.8	20	101	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.366	0.315	-	13.9	20	81	0
IS3_Phenanthrene-d10	1	1	-	0	20	87	0
n-Octadecane	0.458	0.411	-	10.3	20	81	0
Parathion	5	5.896	-	-17.9	20	105	0
3,3'-Dimethylbenzidine	5	4.311	-	13.8	20	85	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	IS1_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	98	0.00
2	t	n-Nitrosodimethylamine		0.718	0.643	10.4	90	0.00
3	t	Pyridine		1.251	0.834	33.3#	71	0.00
4	S	2-Fluorophenol		1.128	1.029	8.8	91	0.00
5	T	Aniline		1.738	1.586	8.7	86	0.00
6	t	2-Chlorophenol		1.218	1.174	3.6	96	0.00
7	S	Phenol-d6		1.323	1.286	2.8	96	0.00
8	T	Phenol		1.459	1.358	6.9	93	0.00
9	T	Bis(2-chloroethyl)ether		1.159	1.096	5.4	95	0.00
10	T	1,3-Dichlorobenzene		1.540	1.418	7.9	95	0.00
11	T	1,4-Dichlorobenzene		1.574	1.460	7.2	93	0.00
12	T	1,2-Dichlorobenzene		1.490	1.368	8.2	94	0.00
13	t	Benzyl alcohol		0.910	0.878	3.5	95	0.00
14	T	Bis(2-chloroisopropyl)ether		2.704	2.409	10.9	91	0.00
15	T	2-Methylphenol		1.283	0.962	25.0#	77	0.00
16	T	Hexachloroethane		0.546	0.504	7.7	92	0.00
17	T	n-Nitrosodi-n-propylamine		0.855	0.757	11.5	88	0.00
18	T	3-Methylphenol/4-Methylphen		1.110	1.038	6.5	92	0.00
19	S	Nitrobenzene-d5		1.096	1.150	-4.9	102	0.00
20	T	Nitrobenzene		1.118	1.181	-5.6	102	0.00
21	T	Isophorone		2.296	1.926	16.1	83	0.00
22	T	2-Nitrophenol		0.509	0.579	-13.8	111	0.00
23	T	2,4-Dimethylphenol		1.198	0.955	20.3	76	0.00
24	T	Bis(2-chloroethoxy)methane		1.639	1.348	17.8	90	0.00
25	T	2,4-Dichlorophenol		1.137	1.074	5.5	91	0.00
26	T	1,2,4-Trichlorobenzene		1.457	1.297	11.0	92	0.00
35	I	IS1_Naphthalene-d8		1.000	1.000	0.0	96	0.00
36	T	Naphthalene		1.066	0.991	7.0	93	0.00
37	T	Benzoic Acid	*	5.000	5.090	-1.8	135	0.00
38	T	4-Chloroaniline		0.132	0.127	3.8	92	0.00
39	T	Hexachlorobutadiene		0.244	0.222	9.0	89	0.00
40	T	p-Chloro-m-cresol		0.325	0.259	20.3	80	0.00
41	T	2-Methylnaphthalene		0.638	0.599	6.1	92	0.00
42	T	1-Methylnaphthalene		0.245	0.226	7.8	93	0.00
43	T	Hexachlorocyclopentadiene		0.300	0.280	6.7	90	0.00
44	T	2,4,6-Trichlorophenol		0.251	0.239	4.8	91	0.00
45	T	2,4,5-Trichlorophenol		0.255	0.264	-3.5	96	0.00
46	S	2-Fluorobiphenyl		0.923	0.846	8.3	91	0.00

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
47	T	2-Chloronaphthalene		0.756	0.691	8.6	90	0.00
48	T	2-Nitroaniline		0.166	0.188	-13.3	104	0.00
49	T	1,4-Dinitrobenzene	*	5.000	14.472	-189.4#	610	0.00
50	T	1,3-Dinitrobenzene		0.104	0.112	-7.7	108	0.00
51	T	Dimethyl phthalate		0.908	0.804	11.5	85	0.00
52	T	Acenaphthylene		1.201	1.114	7.2	91	0.00
53	T	2,6-Dinitrotoluene		0.151	0.167	-10.6	90	0.00
54	T	1,2-Dinitrobenzene		0.063	0.076	-20.6#	105	0.00
63	I	IS1_Acenaphthene-d10		1.000	1.000	0.0	87	0.00
64	T	3-Nitroaniline		0.252	0.304	-20.6#	100	0.00
65	T	Acenaphthene		1.101	1.028	6.6	88	0.00
66	T	2,4-Dinitrophenol	*	5.000	5.684	-13.7	111	0.00
67	T	Dibenzofuran		1.914	1.697	11.3	88	0.00
68	T	2,4-Dinitrotoluene	*	5.000	5.415	-8.3	100	0.00
69	T	4-Nitrophenol		0.192	0.241	-25.5#	106	0.00
70	T	2,3,5,6-Tetrachlorophenol		0.365	0.382	-4.7	94	0.00
71	T	2,3,4,6-Tetrachlorophenol		0.344	0.384	-11.6	96	0.00
72	T	Diethyl phthalate		1.359	1.272	6.4	83	0.00
73	T	Fluorene		1.410	1.377	2.3	89	0.00
74	T	4-Chlorophenyl phenyl ether		0.738	0.699	5.3	89	0.00
75	T	4-Nitroaniline		0.246	0.305	-24.0#	102	0.00
76	T	4,6-Dinitro-o-cresol	*	5.000	5.533	-10.7	116	0.00
77	T	NDPA/DPA		1.176	1.134	3.6	87	0.00
78	T	Azobenzene		1.121	1.109	1.1	87	0.00
79	S	2,4,6-Tribromophenol		0.206	0.208	-1.0	85	0.00
80	T	4-Bromophenyl phenyl ether		0.463	0.412	11.0	82	0.00
81	T	Hexachlorobenzene		0.543	0.478	12.0	83	0.00
82	T	Pentachlorophenol		0.282	0.279	1.1	88	0.00
88	I	IS1_Phenanthrene-d10		1.000	1.000	0.0	89	0.00
89	T	Phenanthrene		1.135	1.082	4.7	90	0.00
90	T	Anthracene		1.107	1.079	2.5	88	0.00
91	T	Carbazole		0.989	0.972	1.7	87	0.00
92	T	Di-n-butylphthalate		1.116	1.006	9.9	80	0.00
93	T	Fluoranthene		1.298	1.292	0.5	91	0.00
94	T	Benzidine		0.704	0.756	-7.4	91	0.00
95	T	Pyrene		1.359	1.393	-2.5	93	0.00
96	S	4-Terphenyl-d14		1.038	1.051	-1.3	93	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
97	T	Butyl benzyl phthalate	*	5.000	4.330	13.4	88	0.00
104	I	IS1_Chrysene-d12		1.000	1.000	0.0	94	0.00
105	T	Benzo(a)anthracene		1.278	1.213	5.1	94	0.00
106	T	3,3'-Dichlorobenzidine		0.429	0.446	-4.0	92	0.00
107	T	Chrysene		1.267	1.178	7.0	93	0.00
108	T	Bis(2-ethylhexyl)phthalate	*	5.000	4.118	17.6	85	0.00
109	T	Di-n-octylphthalate	*	5.000	3.797	24.1#	82	0.00
110	T	Benzo(b)fluoranthene		1.314	1.196	9.0	84	0.00
111	T	Benzo(k)fluoranthene		1.222	1.179	3.5	94	0.00
112	T	Benzo(a)pyrene		1.157	1.097	5.2	88	0.00
113	I	IS1_Perylene-d12		1.000	1.000	0.0	90	0.00
114	T	Indeno(1,2,3-cd)pyrene		1.068	1.046	2.1	83	0.00
115	T	Dibenzo(a,h)anthracene		1.063	1.052	1.0	86	0.00
116	T	Benzo(ghi)perylene		1.047	1.012	3.3	85	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	54749	4.000	ug/ml		0.00
35) IS1_Naphthalene-d8	7.969	136	196335	4.000	ug/ml	#	0.00
63) IS1_Acenaphthene-d10	9.733	164	115764	4.000	ug/ml		0.00
88) IS1_Phenanthrene-d10	11.180	188	231478	4.000	ug/ml		0.00
104) IS1_Chrysene-d12	13.845	240	264770	4.000	ug/ml		0.00
113) IS1_Perylene-d12	15.321	264	269774	4.000	ug/ml		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.687	112	70448	4.562	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 228.10%#				
7) Phenol-d6	6.181	99	88011	4.861	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 243.05%#				
19) Nitrobenzene-d5	7.204	82	78681	5.247	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 524.70%#				
46) 2-Fluorobiphenyl	9.092	172	207550	4.580	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 458.00%#				
79) 2,4,6-Tribromophenol	10.510	330	30099	5.057	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 252.85%#				
96) 4-Terphenyl-d14	12.774	244	304055	5.063	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 506.30%#				
Target Compounds							Qvalue
2) n-Nitrosodimethylamine	2.210	74	43986	4.475	ug/ml		98
3) Pyridine	2.269	79	57091	3.335	ug/ml		92
5) Aniline	6.145	93	108564	4.563	ug/ml		99
6) 2-Chlorophenol	6.292	128	80376	4.822	ug/ml		98
8) Phenol	6.192	94	92917	4.652	ug/ml		96
9) Bis(2-chloroethyl)ether	6.275	93	74985	4.725	ug/ml	#	70
10) 1,3-Dichlorobenzene	6.481	146	97058	4.604	ug/ml		97
11) 1,4-Dichlorobenzene	6.575	146	99885	4.635	ug/ml		97
12) 1,2-Dichlorobenzene	6.751	146	93631	4.590	ug/ml		97
13) Benzyl alcohol	6.757	79	60108	4.824	ug/ml		99
14) Bis(2-chloroisopropyl)...	6.934	45	164839	4.454	ug/ml	#	79
15) 2-Methylphenol	6.922	108	65802	3.748	ug/ml		98
16) Hexachloroethane	7.139	117	34480	4.612	ug/ml	#	52
17) n-Nitrosodi-n-propylamine	7.075	70	51788	4.427	ug/ml	#	92
18) 3-Methylphenol/4-Methy...	7.104	108	71040	4.676	ug/ml		97
20) Nitrobenzene	7.222	77	80828	5.281	ug/ml		100
21) Isophorone	7.504	82	131840	4.196	ug/ml		97
22) 2-Nitrophenol	7.581	139	39633	5.689	ug/ml		94

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) 2,4-Dimethylphenol	7.675	107	65369	3.985	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.769	93	92249	4.113	ug/ml	100
25) 2,4-Dichlorophenol	7.845	162	73507	4.723	ug/ml#	95
26) 1,2,4-Trichlorobenzene	7.922	180	88792	4.451	ug/ml	97
36) Naphthalene	7.992	128	243248	4.648	ug/ml	99
37) Benzoic Acid	7.757	105	34570	5.090	ug/ml	89
38) 4-Chloroaniline	8.075	65	31153	4.823	ug/ml	94
39) Hexachlorobutadiene	8.157	225	54580	4.560	ug/ml	99
40) p-Chloro-m-cresol	8.598	107	63441	3.977	ug/ml	97
41) 2-Methylnaphthalene	8.710	142	147084	4.699	ug/ml	94
42) 1-Methylnaphthalene	8.804	115	55496	4.619	ug/ml	97
43) Hexachlorocyclopentadiene	8.886	237	68601	4.661	ug/ml	99
44) 2,4,6-Trichlorophenol	9.004	196	58605	4.754	ug/ml	96
45) 2,4,5-Trichlorophenol	9.033	196	64779	5.179	ug/ml	97
47) 2-Chloronaphthalene	9.186	162	169647	4.569	ug/ml	96
48) 2-Nitroaniline	9.298	138	46049	5.644	ug/ml	89
49) 1,4-Dinitrobenzene	9.433	168	23638	14.472	ug/ml	77
50) 1,3-Dinitrobenzene	9.510	168	27596	5.393	ug/ml#	1
51) Dimethyl phthalate	9.504	163	197424	4.427	ug/ml#	99
52) Acenaphthylene	9.592	152	273375	4.636	ug/ml	99
53) 2,6-Dinitrotoluene	9.551	165	40907	5.528	ug/ml#	81
54) 1,2-Dinitrobenzene	9.592	168	18699M3	6.036	ug/ml	
64) 3-Nitroaniline	9.704	138	43946	6.019	ug/ml#	94
65) Acenaphthene	9.769	154	148793	4.668	ug/ml	91
66) 2,4-Dinitrophenol	9.810	184	21585	5.684	ug/ml#	85
67) Dibenzofuran	9.939	168	245519	4.433	ug/ml	94
68) 2,4-Dinitrotoluene	9.939	165	54828	5.415	ug/ml	89
69) 4-Nitrophenol	9.892	65	34918	6.270	ug/ml#	91
70) 2,3,5,6-Tetrachlorophenol	10.027	232	55327	5.234	ug/ml	98
71) 2,3,4,6-Tetrachlorophenol	10.069	232	55560	5.579	ug/ml	97
72) Diethyl phthalate	10.204	149	184040	4.680	ug/ml	98
73) Fluorene	10.275	166	199203	4.882	ug/ml	97
74) 4-Chlorophenyl phenyl ...	10.292	204	101104	4.736	ug/ml#	87
75) 4-Nitroaniline	10.298	138	44099	6.206	ug/ml	87
76) 4,6-Dinitro-o-cresol	10.333	198	33711	5.533	ug/ml#	64
77) NDPA/DPA	10.410	169	164100	4.823	ug/ml	95
78) Azobenzene	10.439	77	160468	4.945	ug/ml#	93
80) 4-Bromophenyl phenyl e...	10.763	248	59621	4.449	ug/ml#	82
81) Hexachlorobenzene	10.816	284	69162	4.401	ug/ml#	81
82) Pentachlorophenol	11.010	266	40385	4.941	ug/ml	99
89) Phenanthrene	11.204	178	313179	4.767	ug/ml	99

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Anthracene	11.251	178	312310	4.873	ug/ml	99
91) Carbazole	11.421	167	281264	4.915	ug/ml	99
92) Di-n-butylphthalate	11.810	149	291031	4.504	ug/ml	99
93) Fluoranthene	12.368	202	373846	4.978	ug/ml#	91
94) Benzidine	12.521	184	218696	5.371	ug/ml#	94
95) Pyrene	12.586	202	403180	5.127	ug/ml	100
97) Butyl benzyl phthalate	13.304	149	126294	4.330	ug/ml	89
105) Benzo(a)anthracene	13.833	228	401578	4.747	ug/ml	100
106) 3,3'-Dichlorobenzidine	13.833	252	147726	5.202	ug/ml#	96
107) Chrysene	13.868	228	389927	4.649	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.945	149	196069	4.118	ug/ml	96
109) Di-n-octylphthalate	14.633	149	299582	3.797	ug/ml#	80
110) Benzo(b)fluoranthene	14.951	252	395807	4.551	ug/ml#	92
111) Benzo(k)fluoranthene	14.974	252	390220	4.823	ug/ml#	92
112) Benzo(a)pyrene	15.268	252	363087	4.742	ug/ml#	92
114) Indeno(1,2,3-cd)pyrene	16.327	276	352717M6	4.898	ug/mL	
115) Dibenzo(a,h)anthracene	16.351	278	354825	4.951	ug/ml#	88
116) Benzo(ghi)perylene	16.592	276	341307	4.832	ug/ml#	85

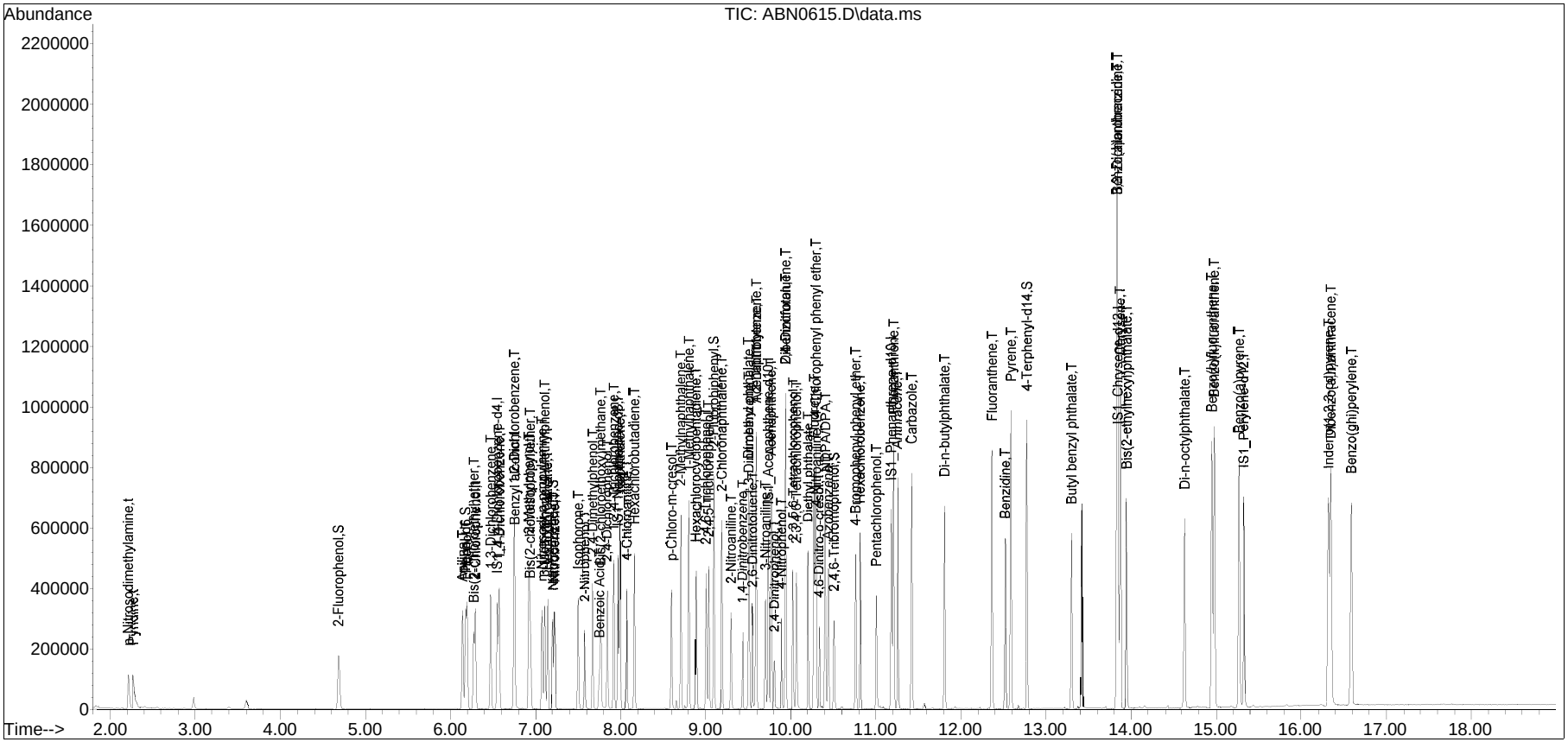
(#) = qualifier out of range (m) = manual integration (+) = signals summed

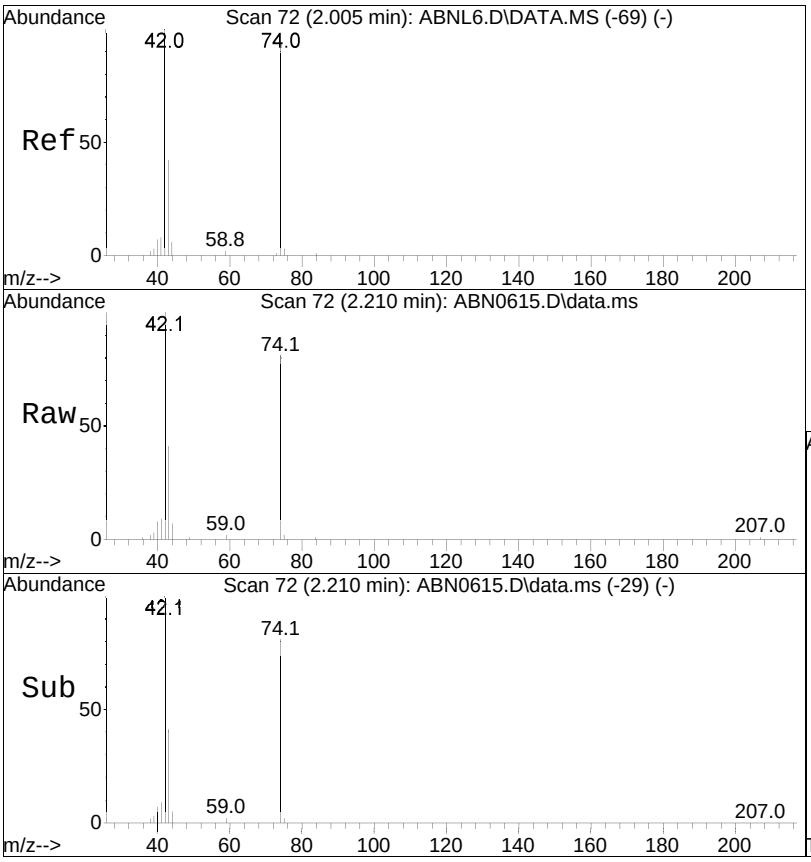
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : ABN0615.D
Acq On : 15 Jun 2025 7:00 pm
Operator : SV106:slr
Sample : WG2078811-3,32,,ABN RVT CCV Lot # 11297
Misc : WG2078811,,ical22075
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 15 19:58:37 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 19:59:24 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

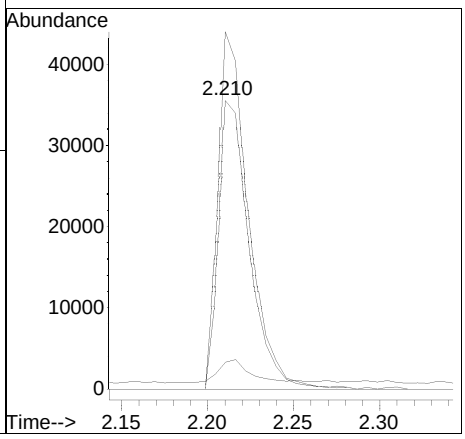


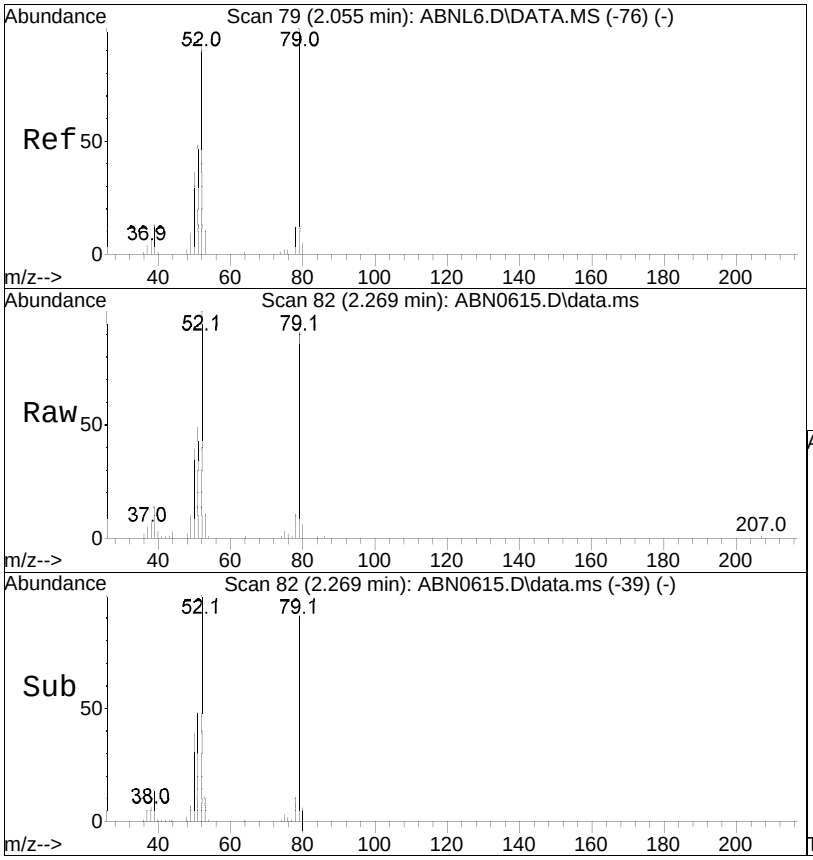


#2
n-Nitrosodimethylamine
Concen: 4.47 ug/ml
RT: 2.210 min Scan# 72
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 74 Resp: 43986

Ion	Ratio	Lower	Upper
74	100		
42	122.4	100.0	150.0
44	7.9	6.7	10.1

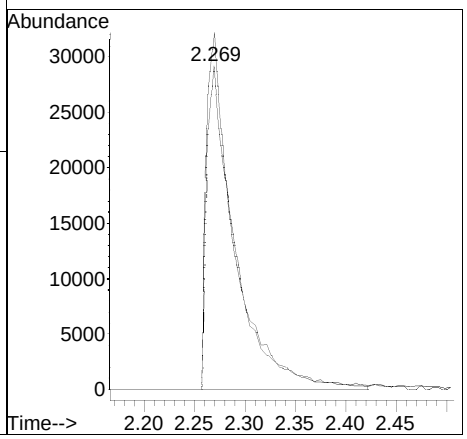


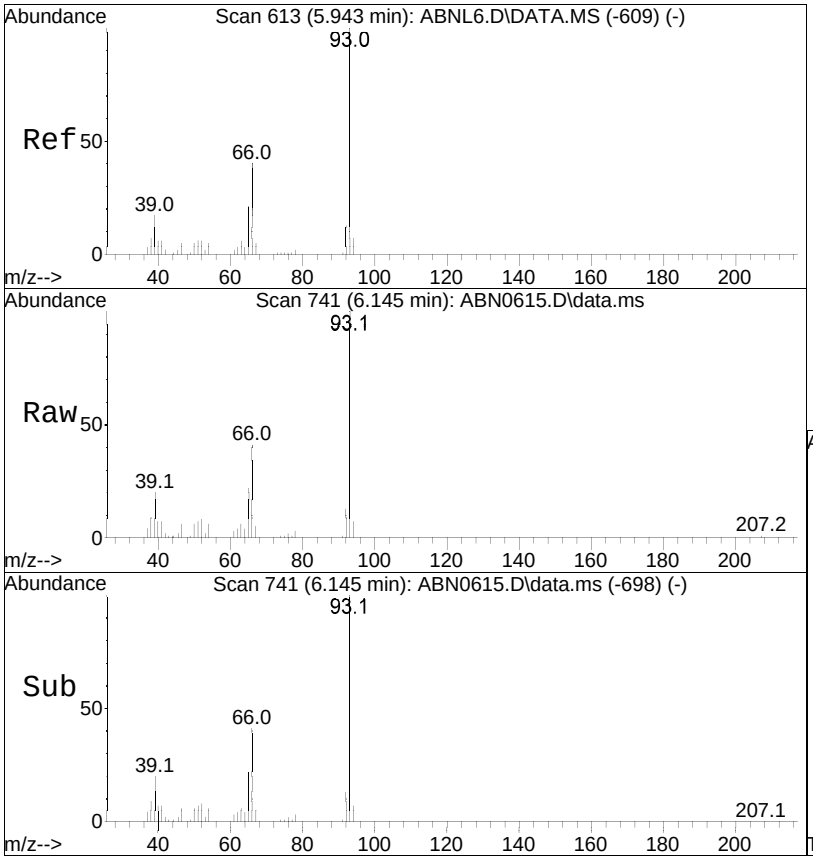


#3
Pyridine
Concen: 3.34 ug/ml
RT: 2.269 min Scan# 82
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 79 Resp: 57091

Ion	Ratio	Lower	Upper
79	100		
52	107.6	93.1	139.7

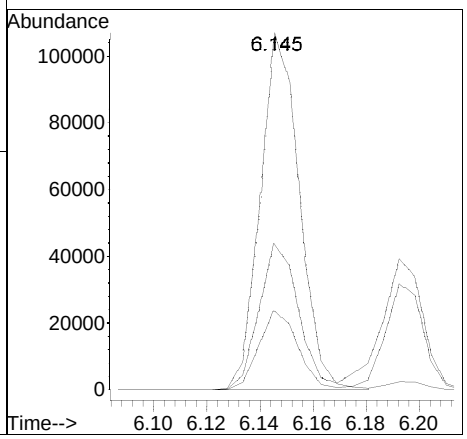


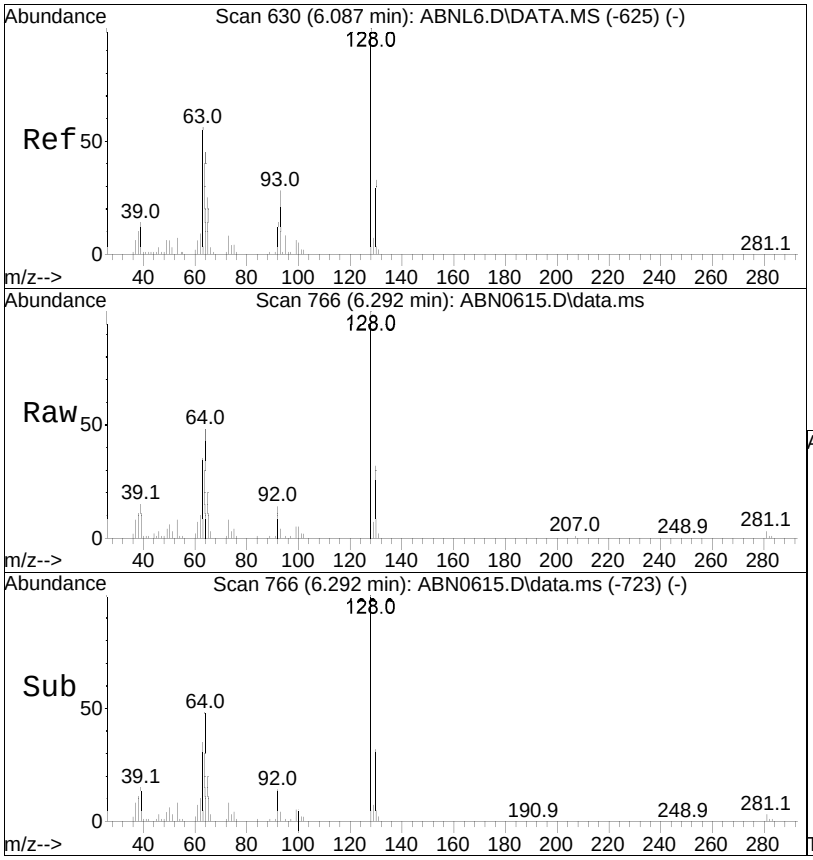


#5
Aniline
Concen: 4.56 ug/ml
RT: 6.145 min Scan# 741
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 93 Resp: 108564

Ion	Ratio	Lower	Upper
93	100		
66	41.9	32.6	49.0
65	22.3	17.6	26.4

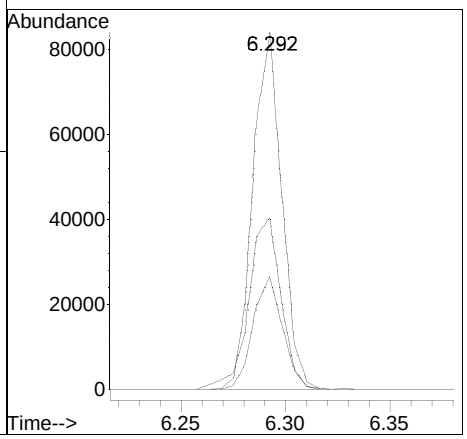


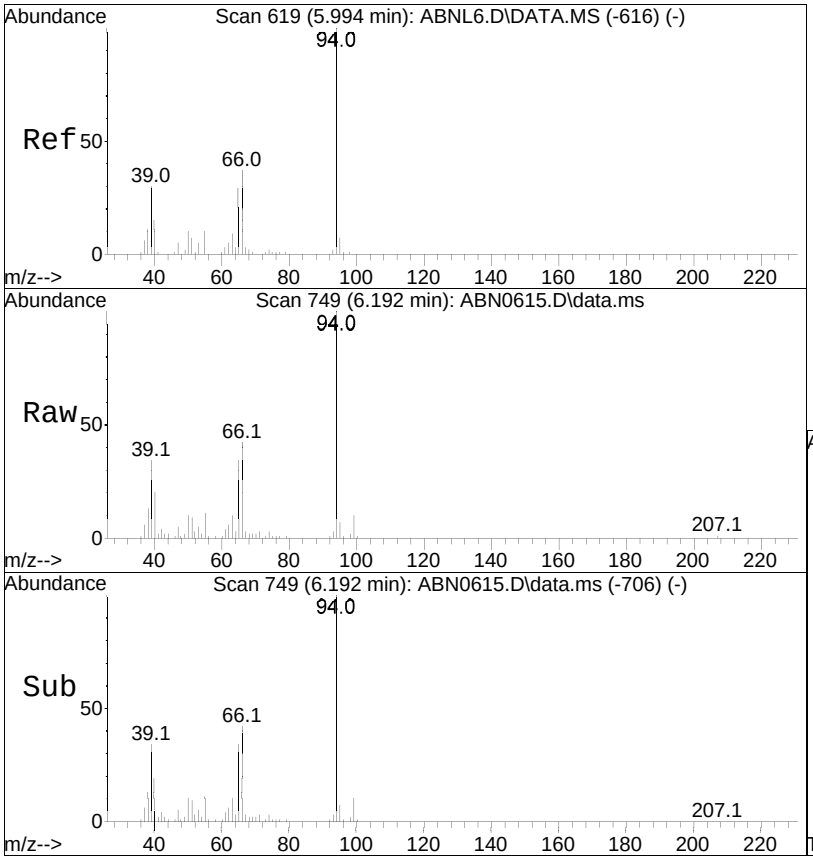


#6
2-Chlorophenol
Concen: 4.82 ug/ml
RT: 6.292 min Scan# 766
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:128 Resp: 80376

Ion	Ratio	Lower	Upper
128	100		
64	53.8	45.1	67.7
130	32.4	26.2	39.4

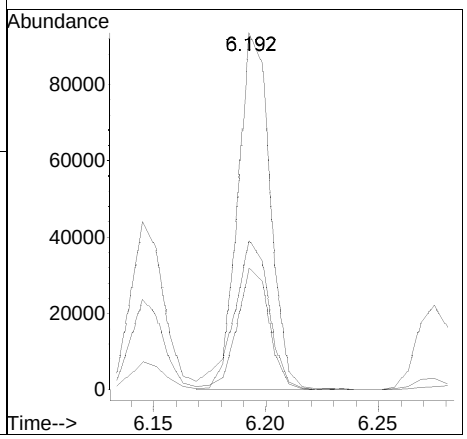


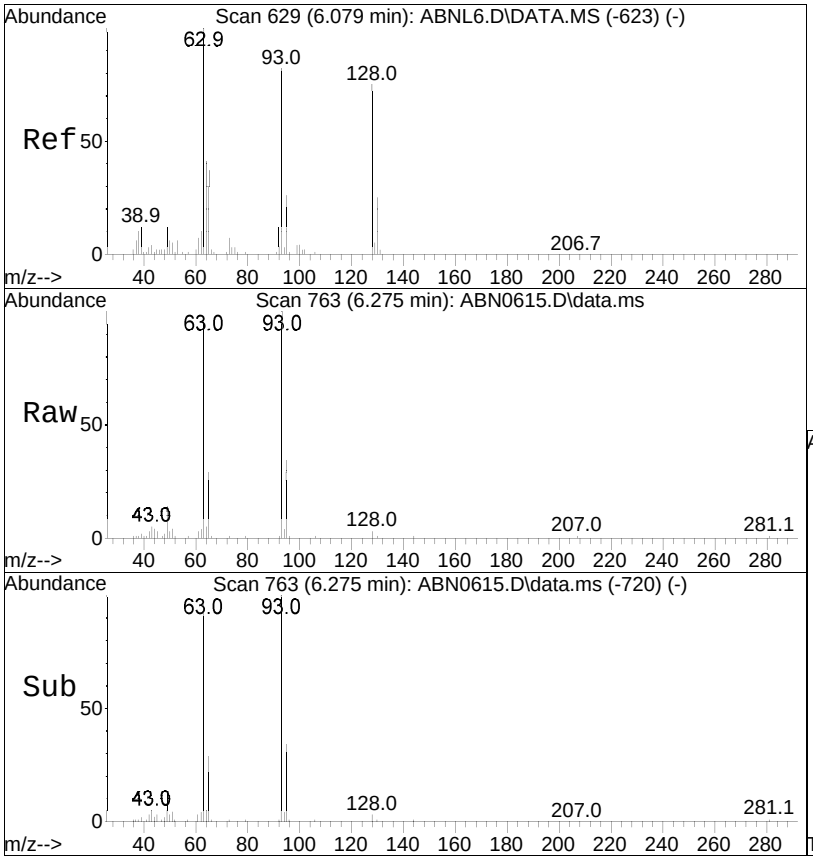


#8
Phenol
Concen: 4.65 ug/ml
RT: 6.192 min Scan# 749
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 94 Resp: 92917

Ion	Ratio	Lower	Upper
94	100		
65	34.2	26.0	39.0
66	45.7	33.8	50.8

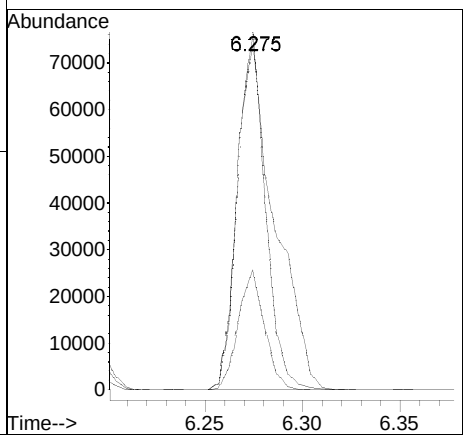


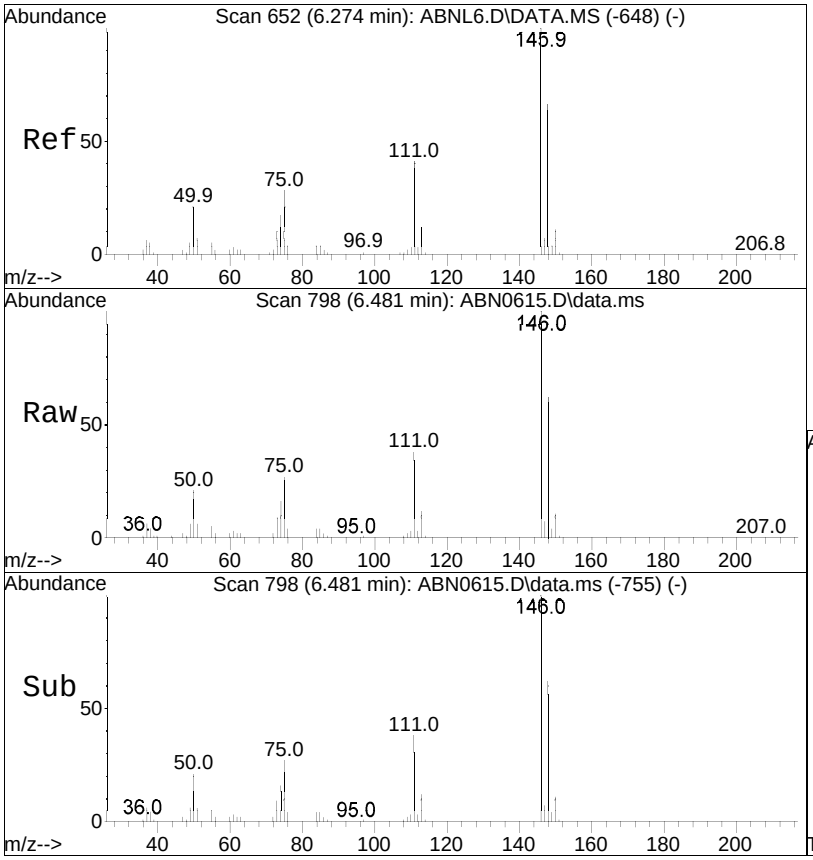


#9
Bis(2-chloroethyl)ether
Concen: 4.73 ug/ml
RT: 6.275 min Scan# 763
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 93 Resp: 74985

Ion	Ratio	Lower	Upper
93	100		
63	131.6	74.6	111.8#
95	31.9	25.9	38.9

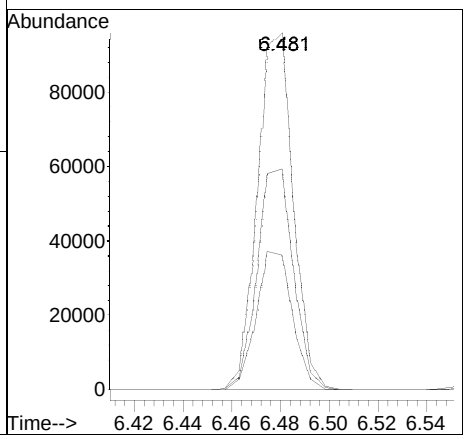


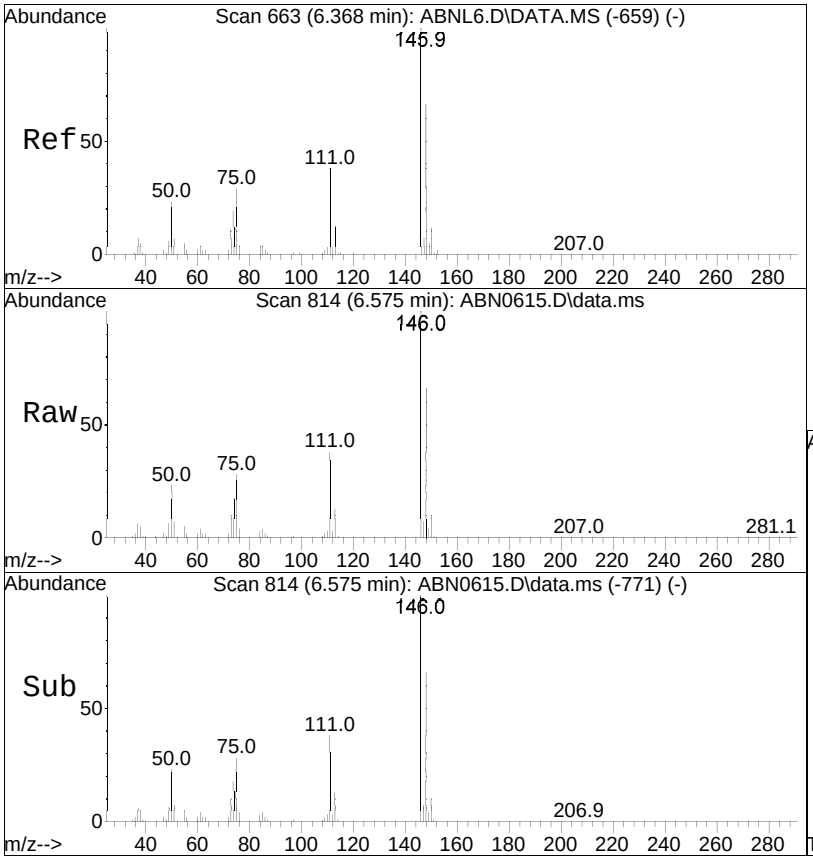


#10
1,3-Dichlorobenzene
Concen: 4.60 ug/ml
RT: 6.481 min Scan# 798
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:146 Resp: 97058

Ion	Ratio	Lower	Upper
146	100		
111	39.4	34.3	51.5
148	62.9	50.8	76.2

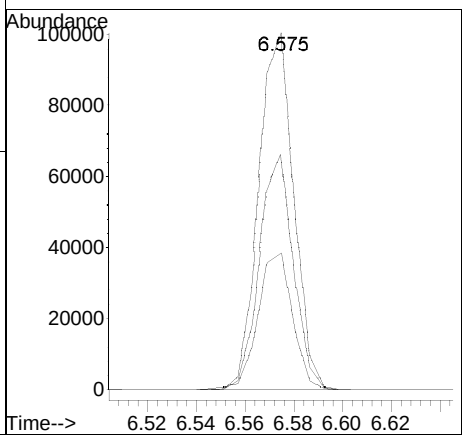


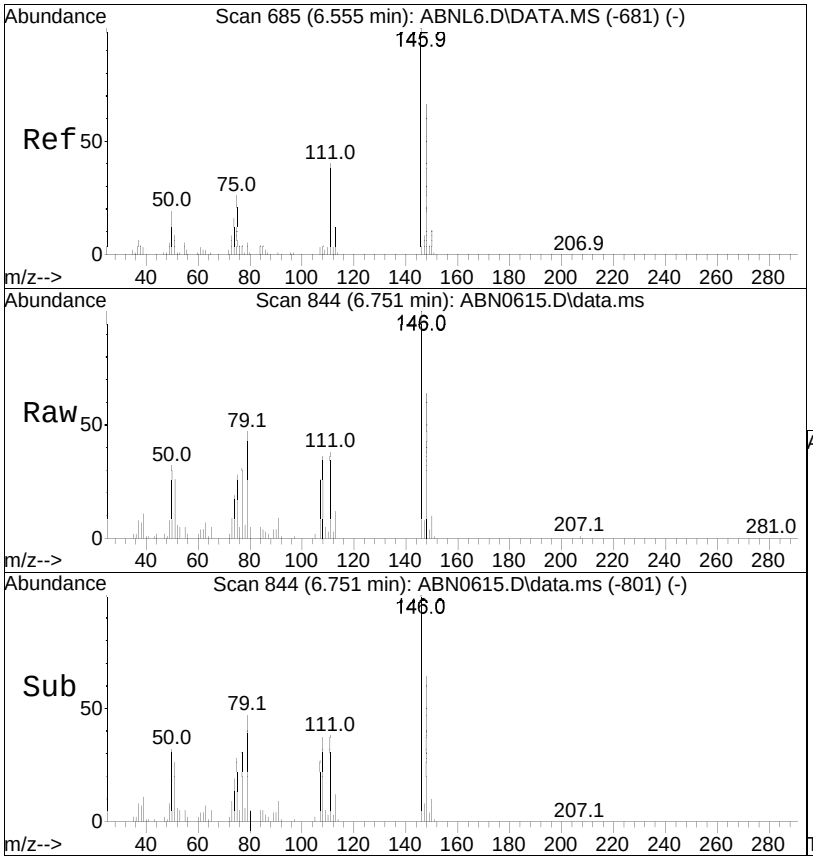


#11
1,4-Dichlorobenzene
Concen: 4.64 ug/ml
RT: 6.575 min Scan# 814
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:146 Resp: 99885

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.7	76.1
111	38.4	33.4	50.0

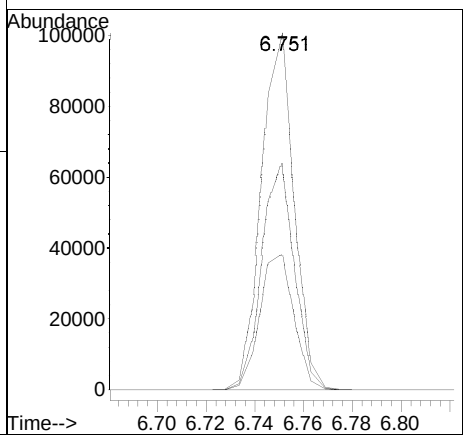


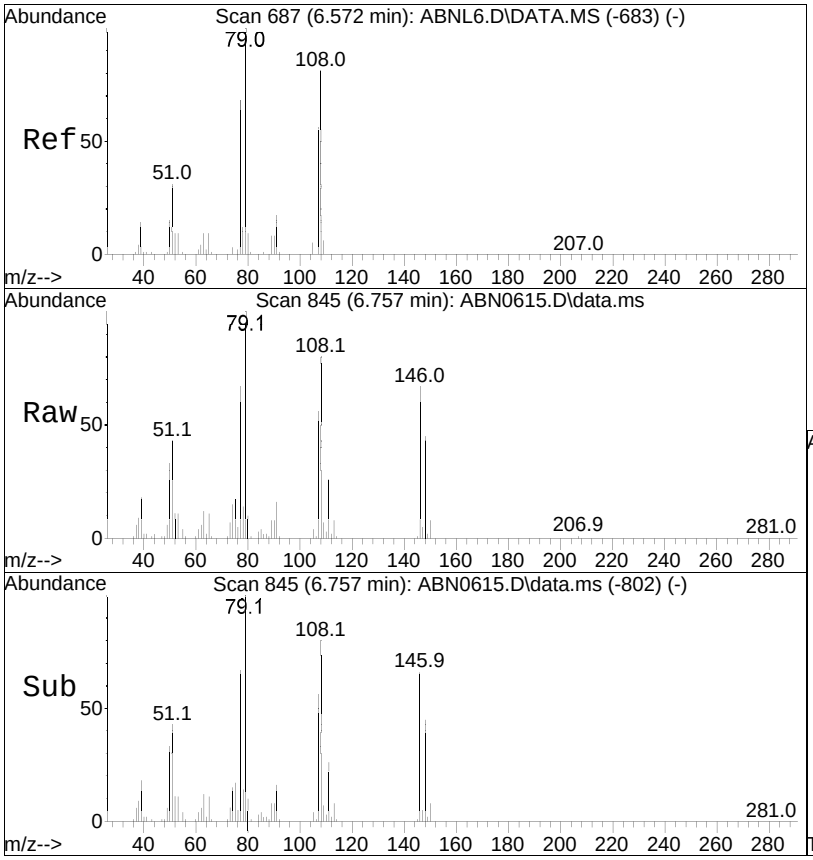


#12
1,2-Dichlorobenzene
Concen: 4.59 ug/ml
RT: 6.751 min Scan# 844
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:146 Resp: 93631

Ion	Ratio	Lower	Upper
146	100		
111	39.9	34.6	52.0
148	63.3	50.2	75.4

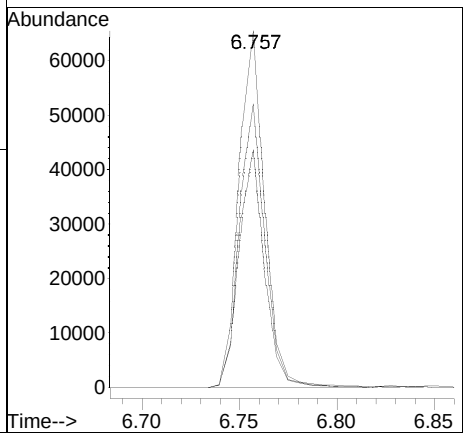


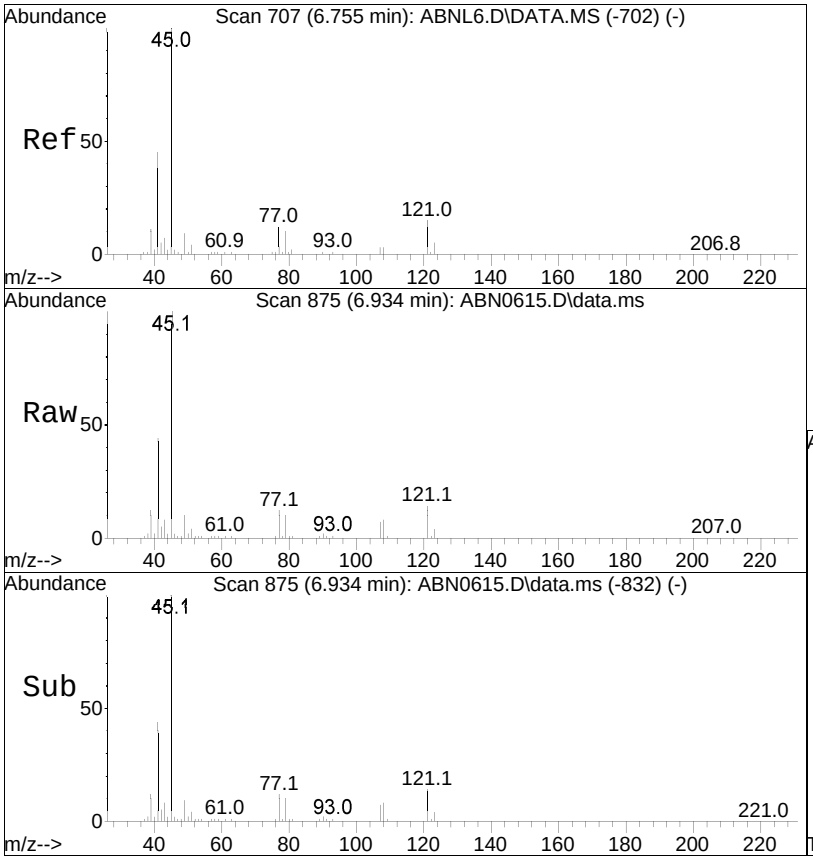


#13
Benzyl alcohol
Concen: 4.82 ug/ml
RT: 6.757 min Scan# 845
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 79 Resp: 60108

Ion	Ratio	Lower	Upper
79	100		
77	66.6	54.9	82.3
108	78.9	63.1	94.7

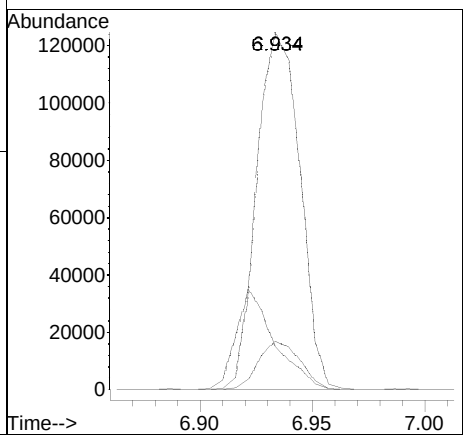


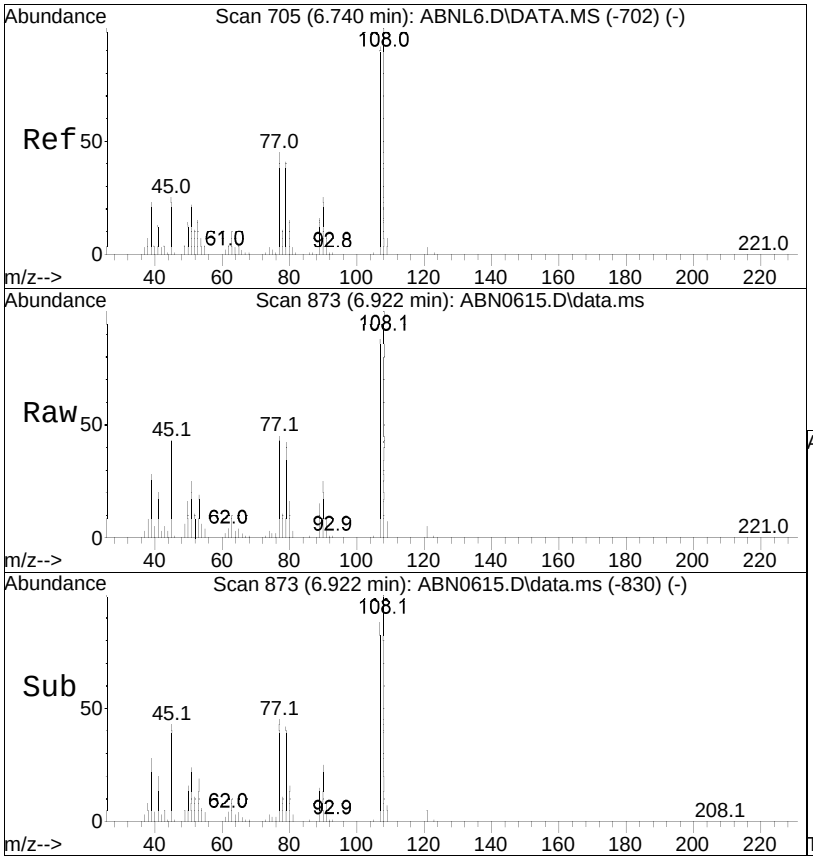


#14
Bis(2-chloroisopropyl)ether
Concen: 4.45 ug/ml
RT: 6.934 min Scan# 875
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 45 Resp: 164839

Ion	Ratio	Lower	Upper
45	100		
121	13.0	9.8	14.6
77	25.3	6.1	9.1#

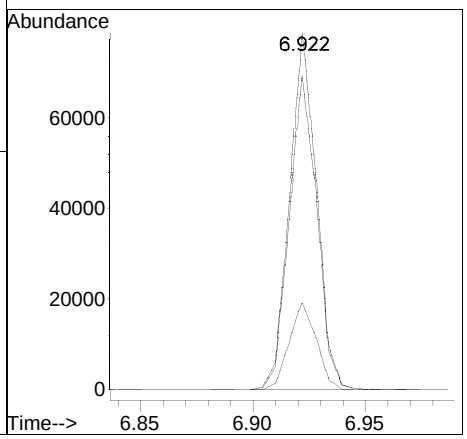


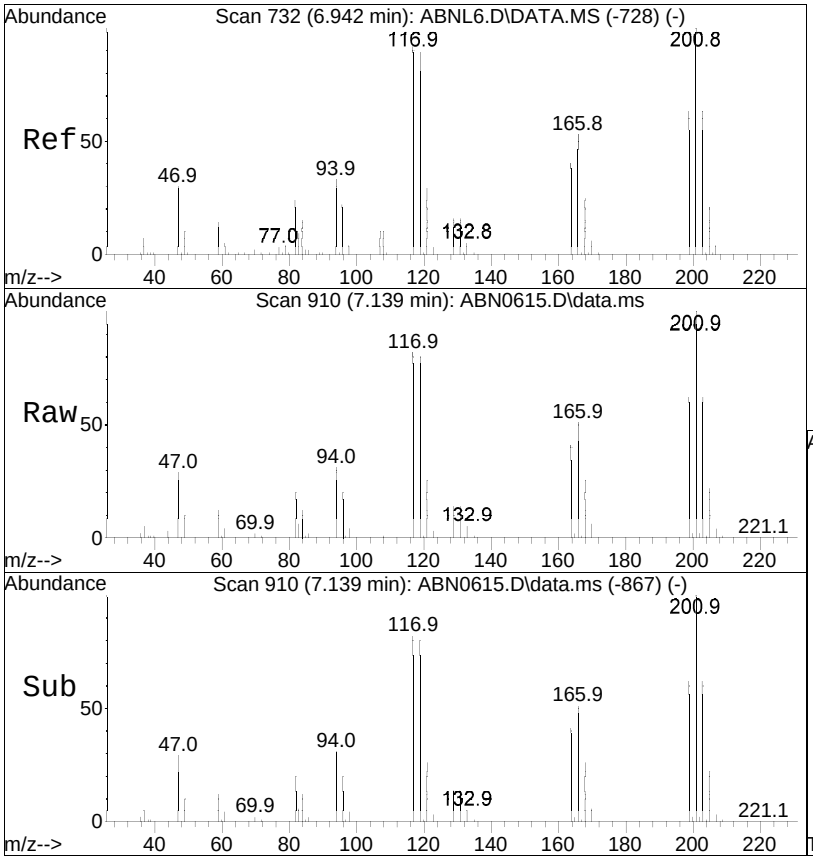


#15
2-Methylphenol
Concen: 3.75 ug/ml
RT: 6.922 min Scan# 873
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:108 Resp: 65802

Ion	Ratio	Lower	Upper
108	100		
107	89.7	70.7	106.1
90	24.5	18.7	28.1

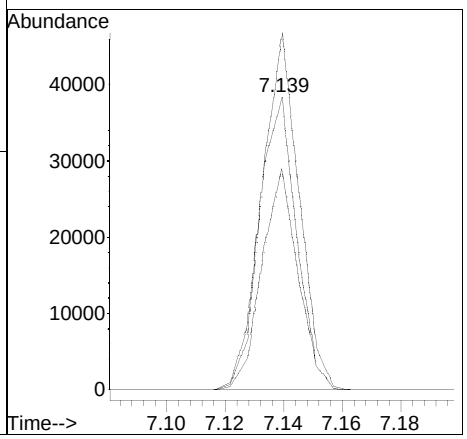


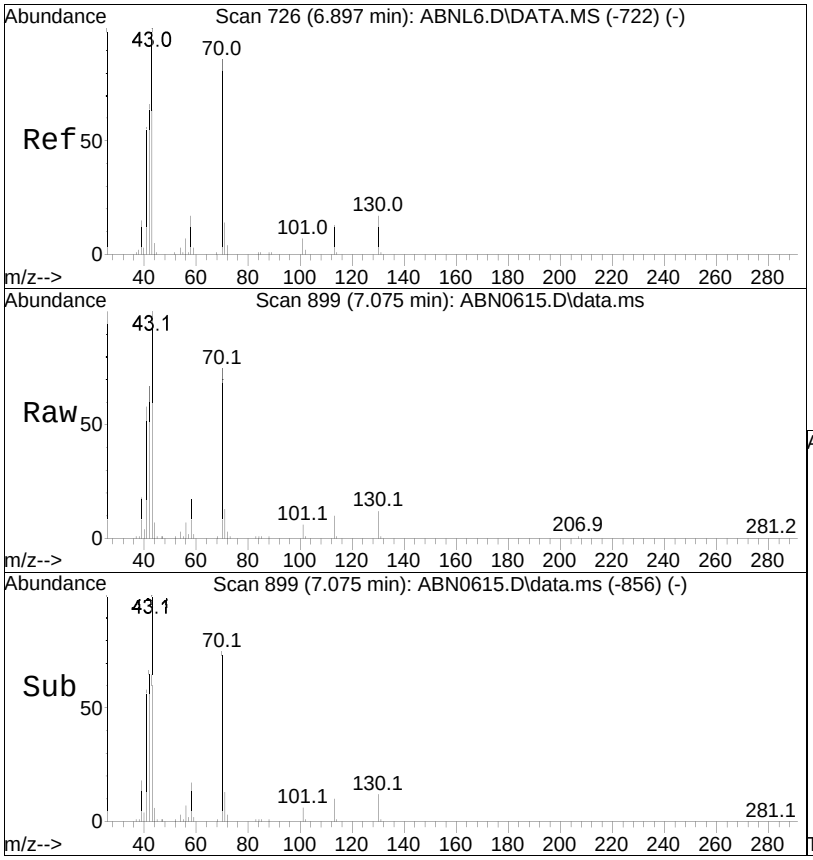


#16
Hexachloroethane
Concen: 4.61 ug/ml
RT: 7.139 min Scan# 910
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:117 Resp: 34480

Ion	Ratio	Lower	Upper
117	100		
201	118.2	58.6	87.8#
199	71.8	36.9	55.3#

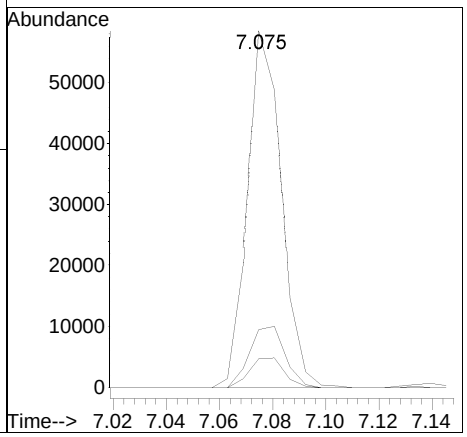


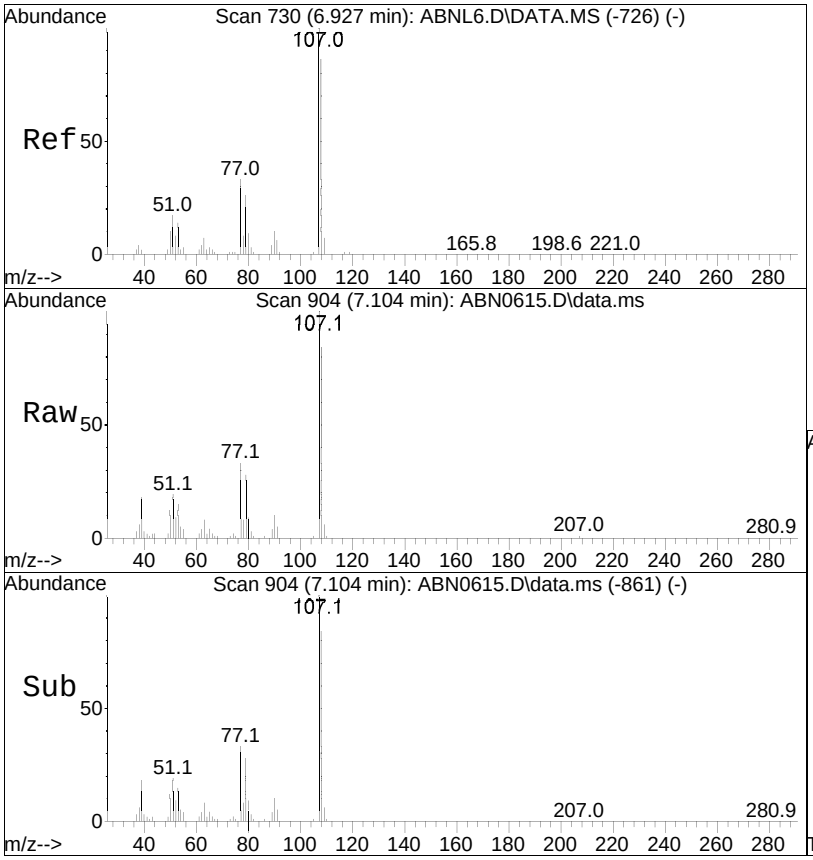


#17
n-Nitrosodi-n-propylamine
Concen: 4.43 ug/ml
RT: 7.075 min Scan# 899
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 70 Resp: 51788

Ion	Ratio	Lower	Upper
70	100		
130	18.0	18.2	27.4#
101	8.6	7.8	11.8

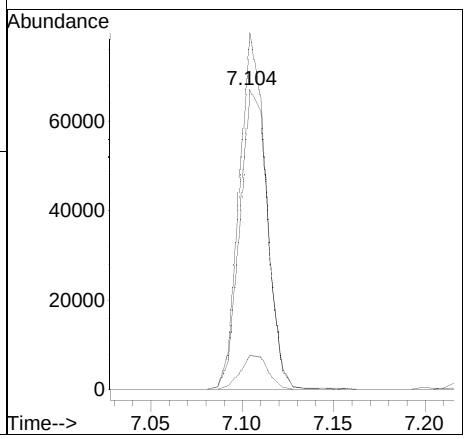


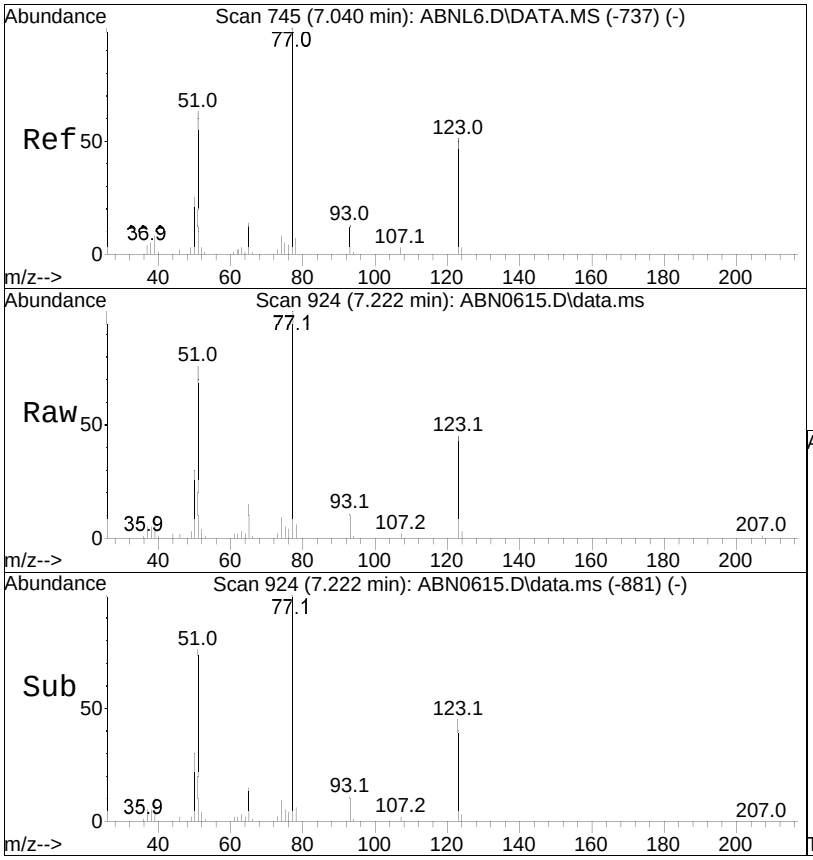


#18
3-Methylphenol/4-Methylphenol
Concen: 4.68 ug/ml
RT: 7.104 min Scan# 904
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:108 Resp: 71040

Ion	Ratio	Lower	Upper
108	100		
107	113.7	88.6	132.8
90	11.3	8.8	13.2

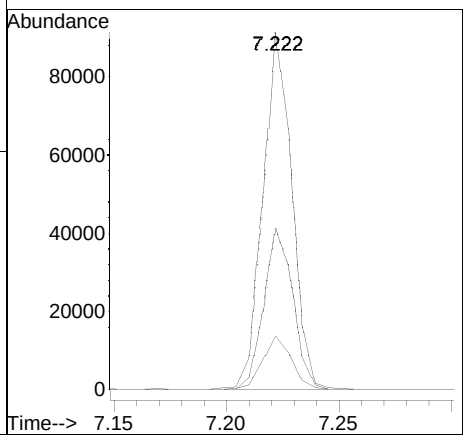


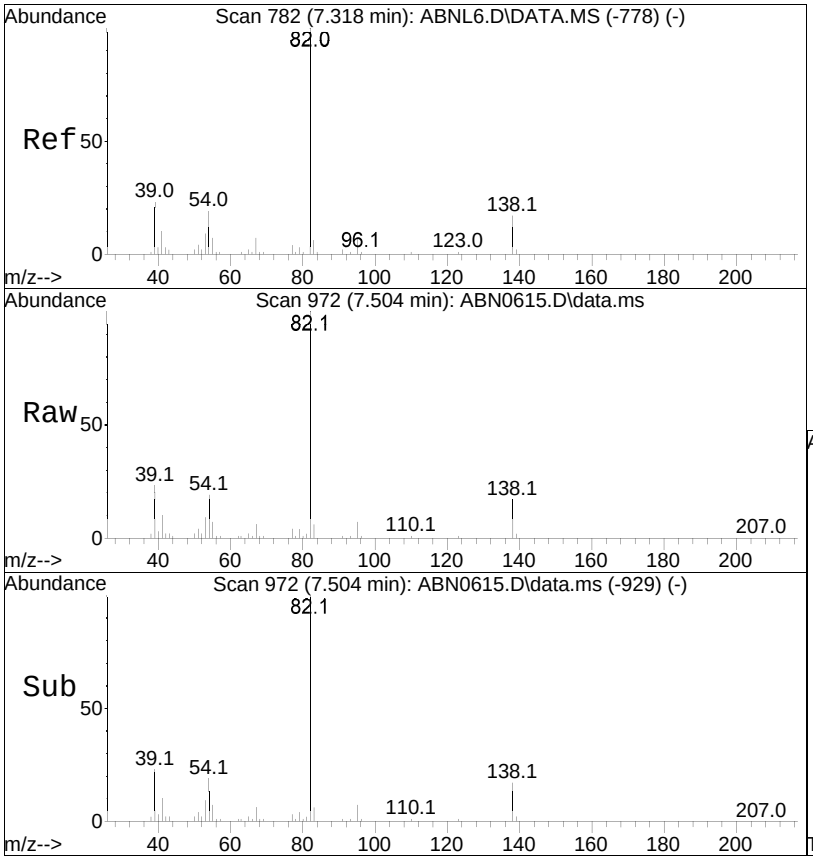


#20
Nitrobenzene
Concen: 5.28 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 77 Resp: 80828

Ion	Ratio	Lower	Upper
77	100		
123	45.5	36.3	54.5
65	15.1	11.6	17.4

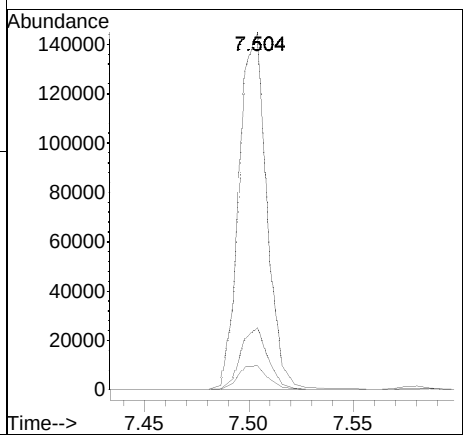


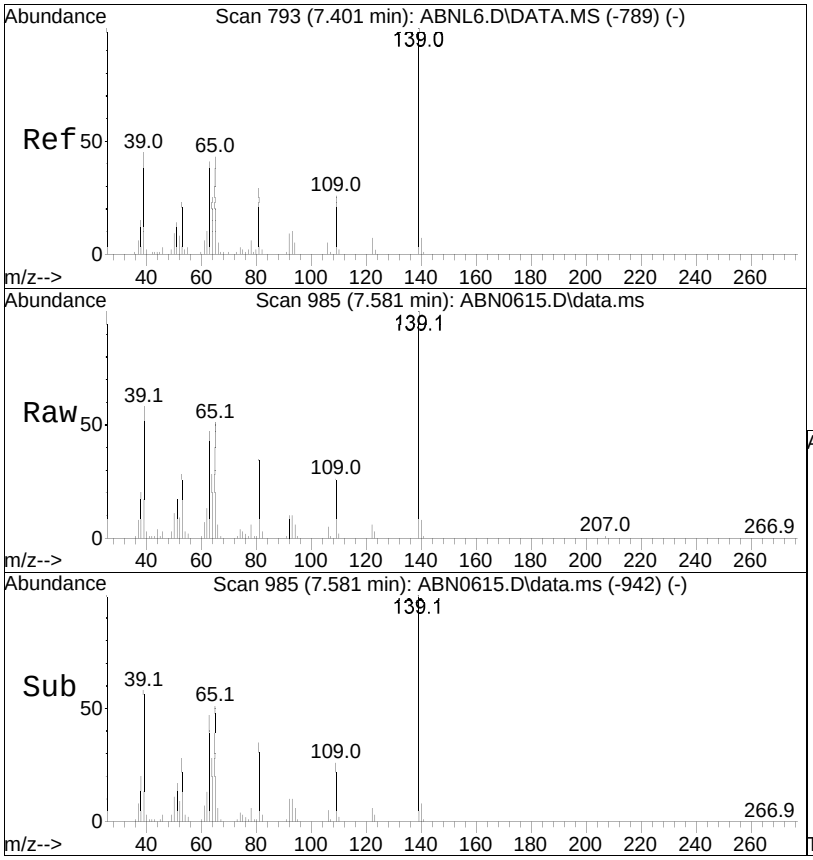


#21
Isophorone
Concen: 4.20 ug/ml
RT: 7.504 min Scan# 972
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 82 Resp: 131840

Ion	Ratio	Lower	Upper
82	100		
138	17.0	14.7	22.1
95	7.1	5.2	7.8

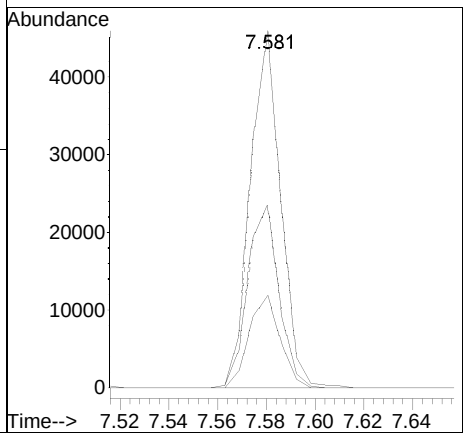


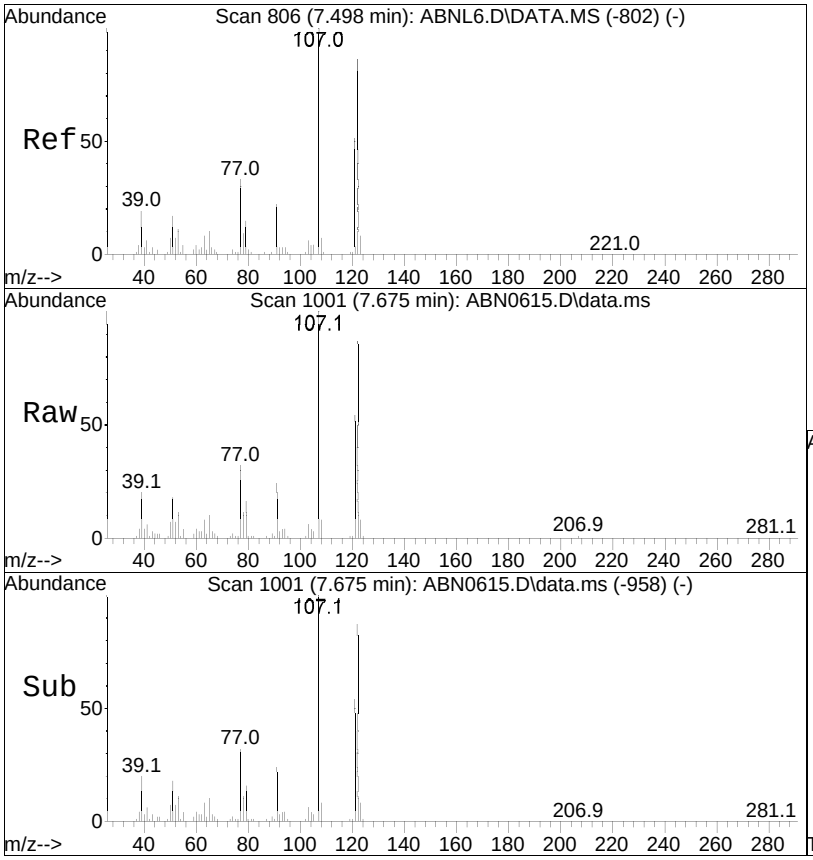


#22
2-Nitrophenol
Concen: 5.69 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:139 Resp: 39633

Ion	Ratio	Lower	Upper
139	100		
109	26.7	19.4	29.0
65	52.9	46.1	69.1

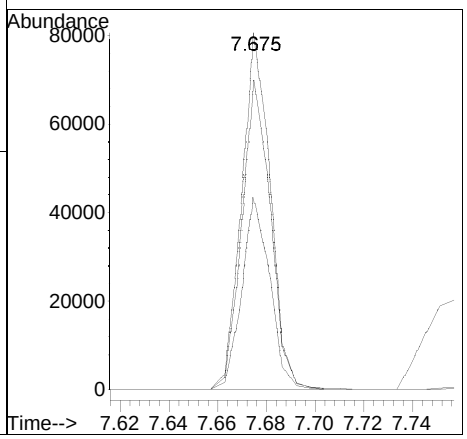


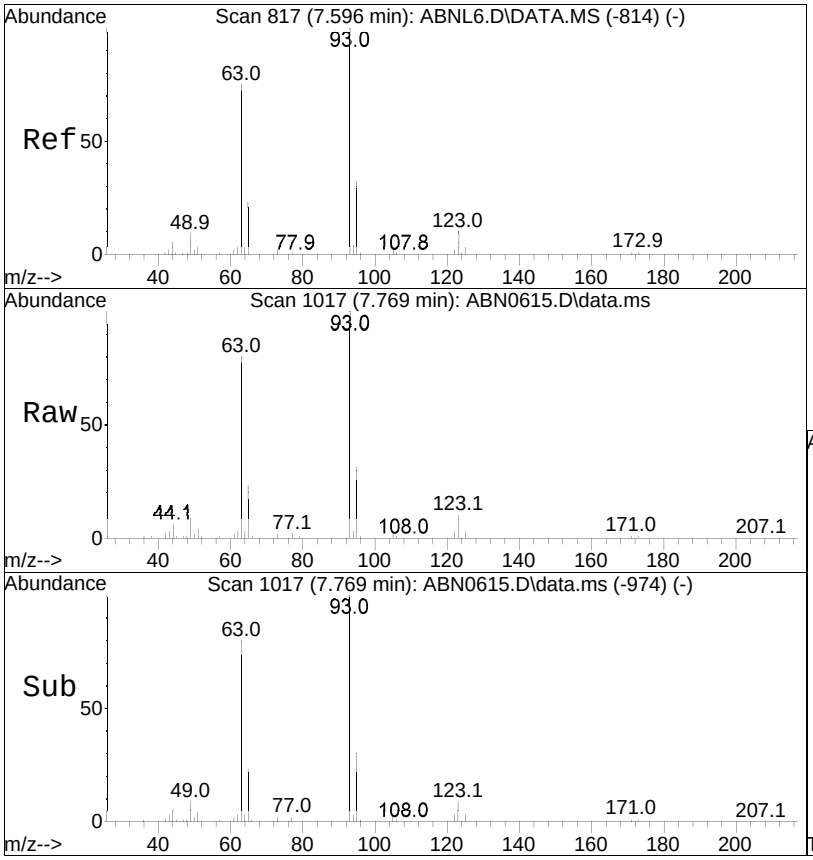


#23
2,4-Dimethylphenol
Concen: 3.99 ug/ml
RT: 7.675 min Scan# 1001
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:107 Resp: 65369

Ion	Ratio	Lower	Upper
107	100		
121	52.8	40.0	60.0
122	86.8	70.2	105.4

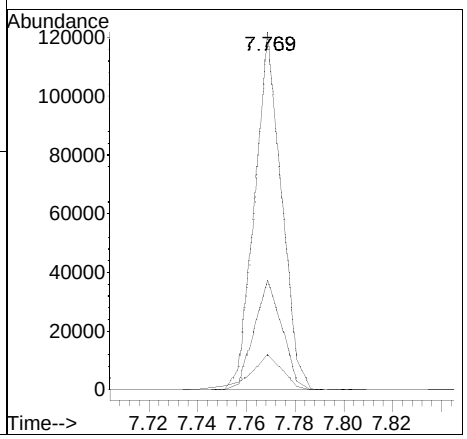


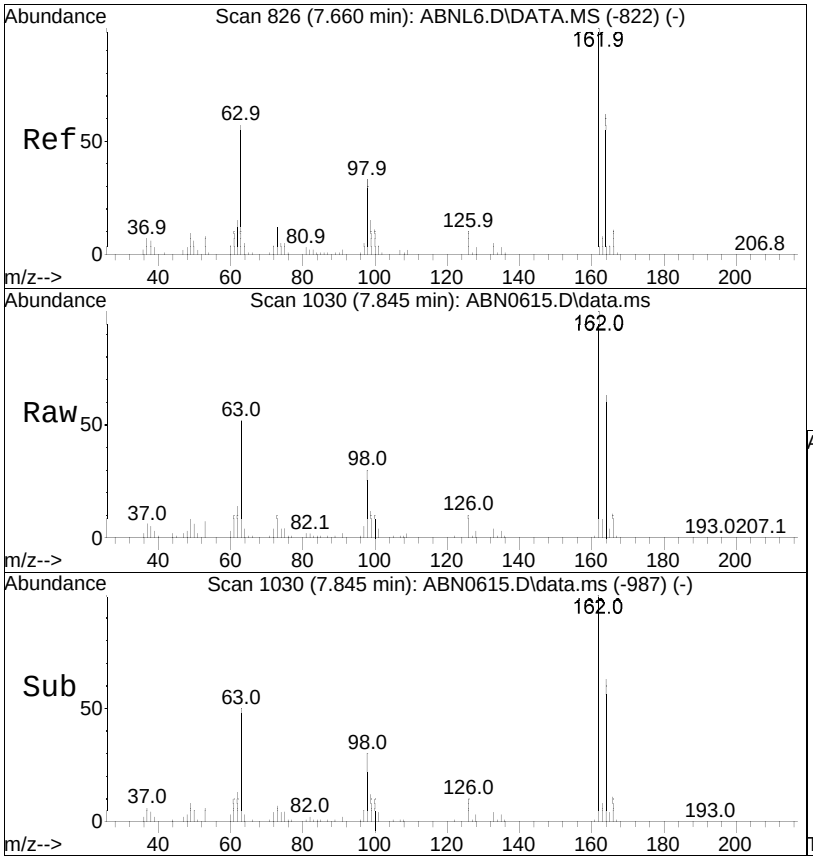


#24
Bis(2-chloroethoxy)methane
Concen: 4.11 ug/ml
RT: 7.769 min Scan# 1017
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 93 Resp: 92249

Ion	Ratio	Lower	Upper
93	100		
95	32.2	25.8	38.8
123	12.4	10.1	15.1

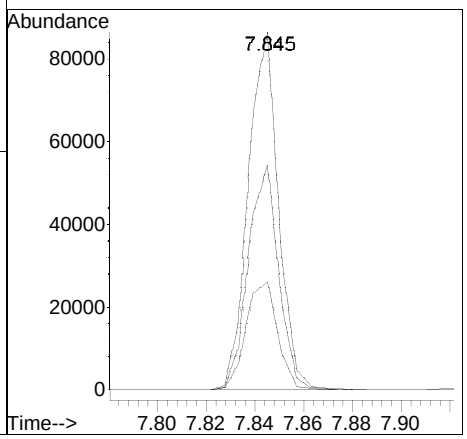


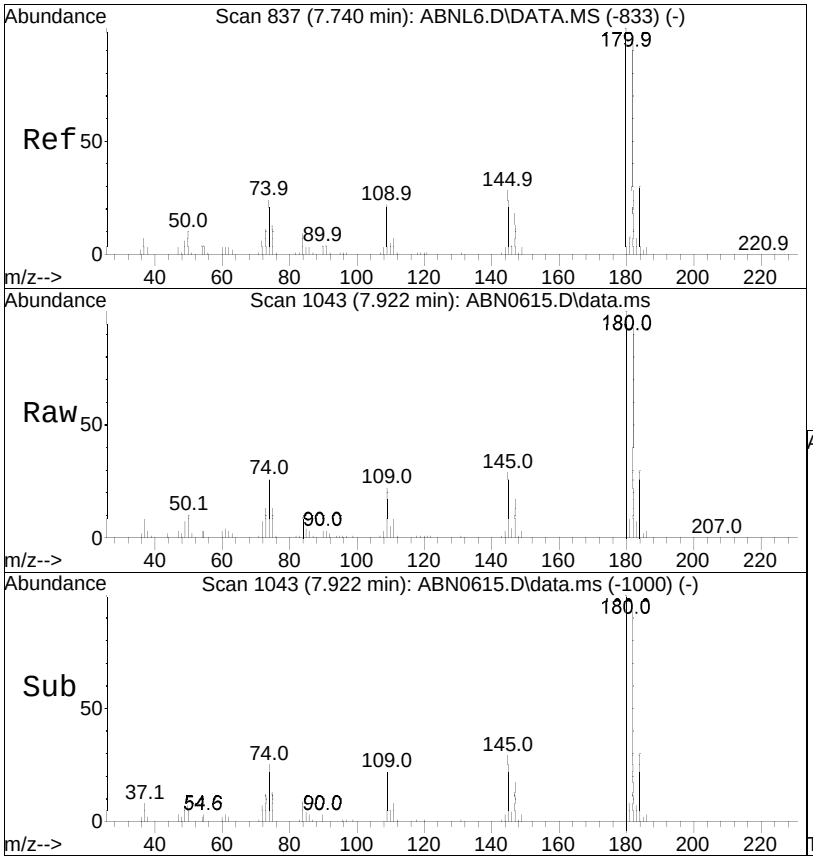


#25
2,4-Dichlorophenol
Concen: 4.72 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:162 Resp: 73507

Ion	Ratio	Lower	Upper
162	100		
164	63.4	51.0	76.4
98	31.9	32.2	48.2#

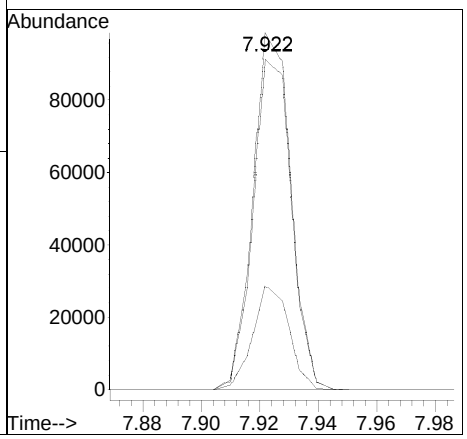


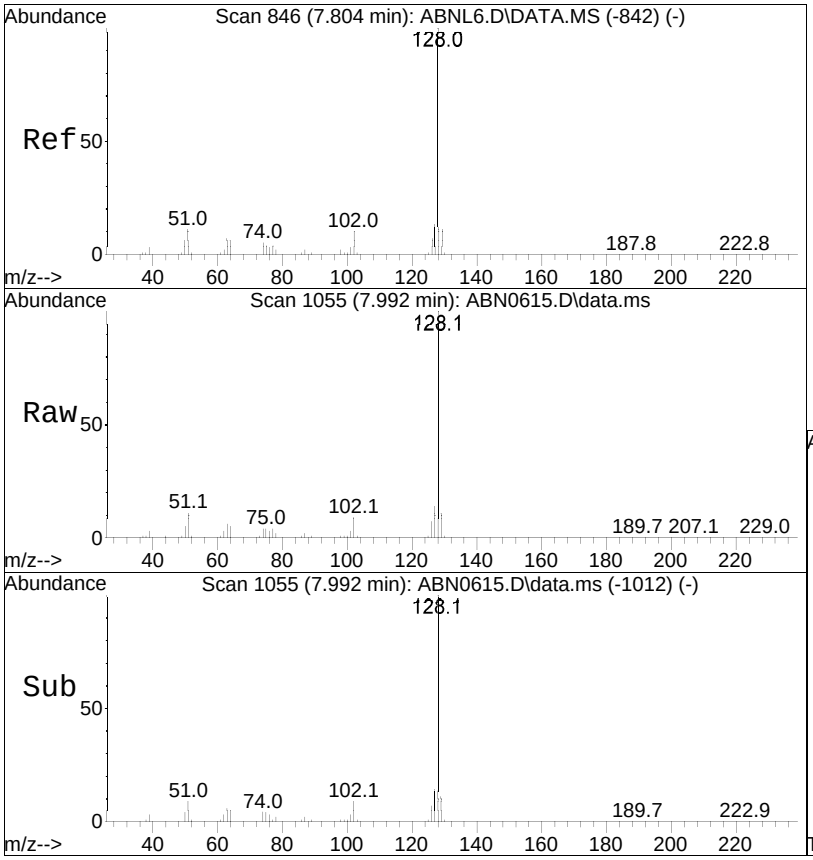


#26
1,2,4-Trichlorobenzene
Concen: 4.45 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:180 Resp: 88792

Ion	Ratio	Lower	Upper
180	100		
182	93.4	76.0	114.0
145	27.9	25.7	38.5

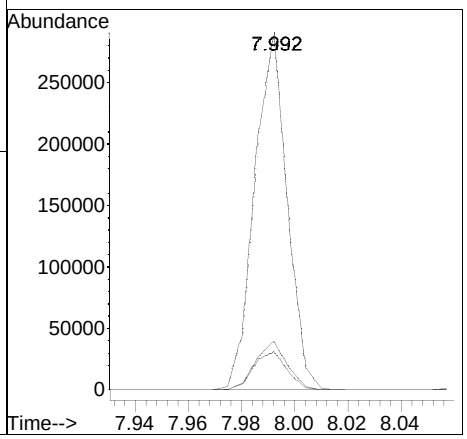


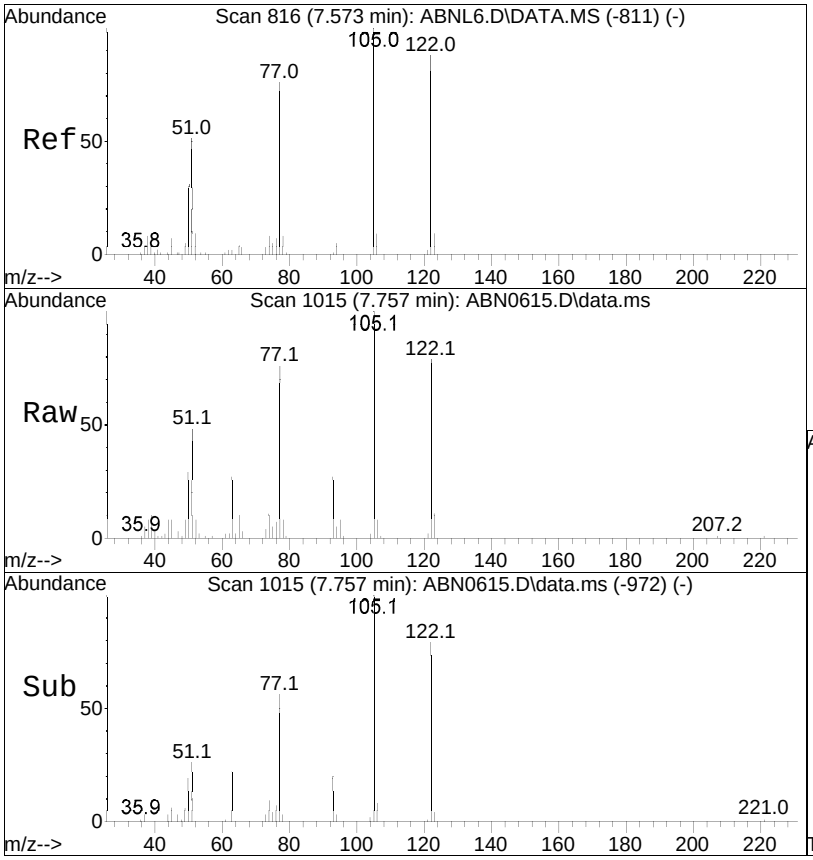


#36
Naphthalene
Concen: 4.65 ug/ml
RT: 7.992 min Scan# 1055
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:128 Resp: 243248

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.7	13.1
127	13.3	10.3	15.5

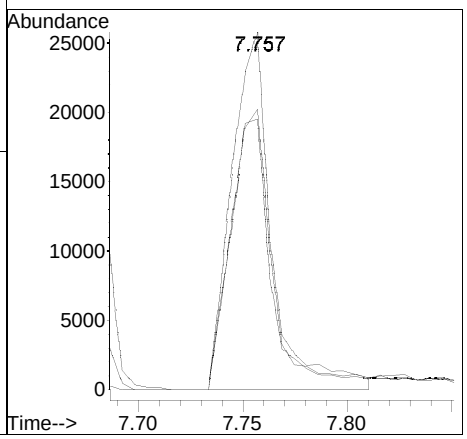


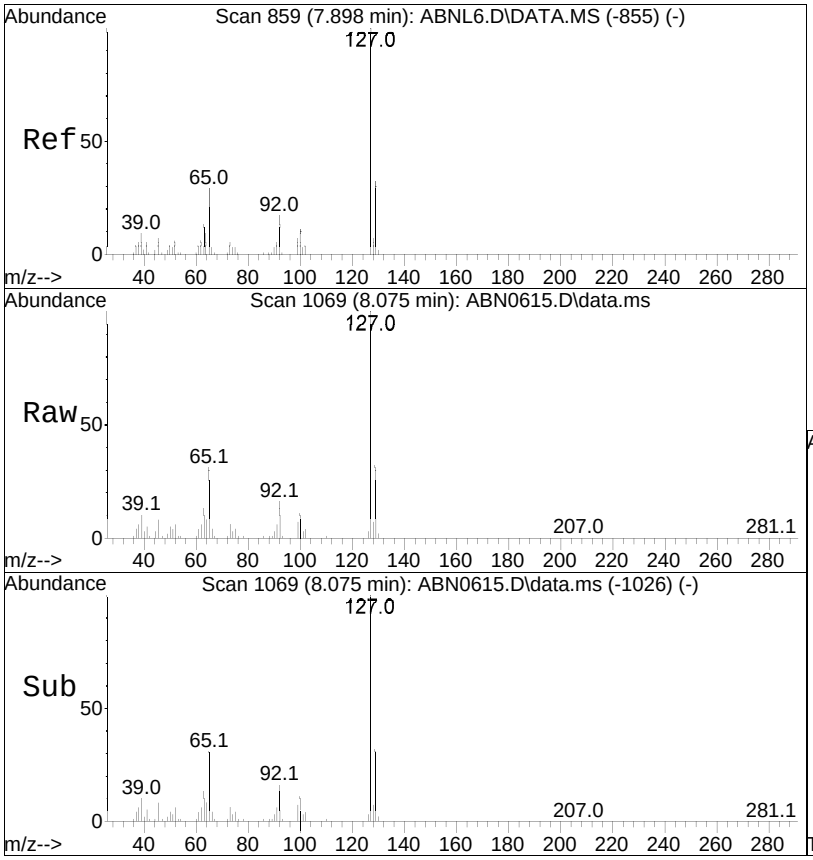


#37
Benzoic Acid
Concen: 5.09 ug/ml
RT: 7.757 min Scan# 1015
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:105 Resp: 34570

Ion	Ratio	Lower	Upper
105	100		
122	87.7	59.9	89.9
77	81.7	60.1	90.1

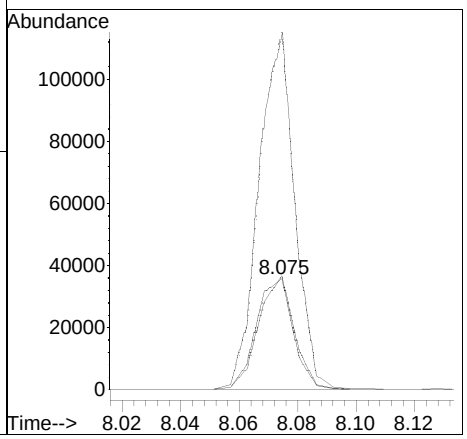


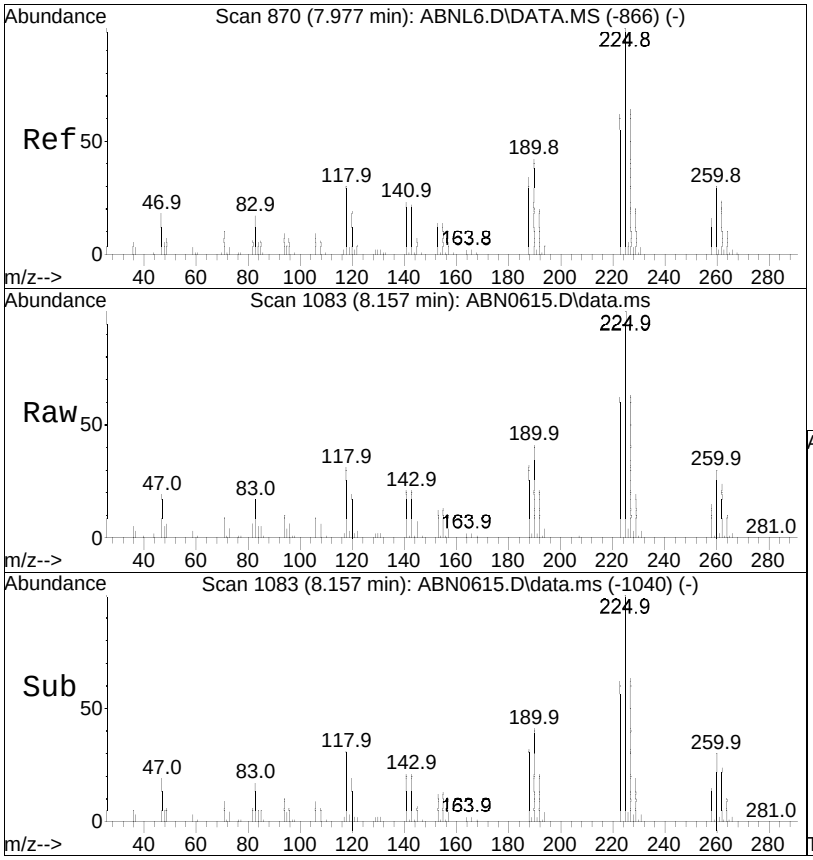


#38
4-Chloroaniline
Concen: 4.82 ug/ml
RT: 8.075 min Scan# 1069
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 65 Resp: 31153

Ion	Ratio	Lower	Upper
65	100		
127	310.7	237.6	356.4
129	98.8	76.3	114.5

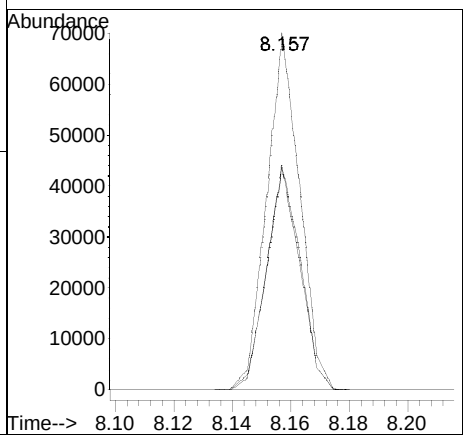


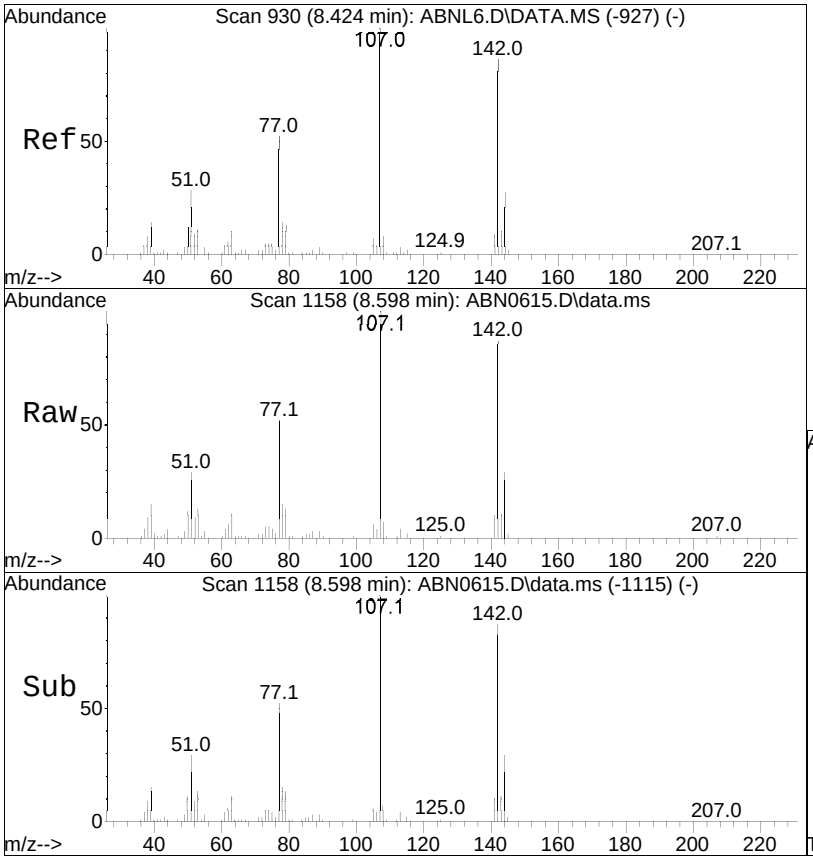


#39
Hexachlorobutadiene
Concen: 4.56 ug/ml
RT: 8.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:225 Resp: 54580

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.3	75.5
227	64.5	52.2	78.2

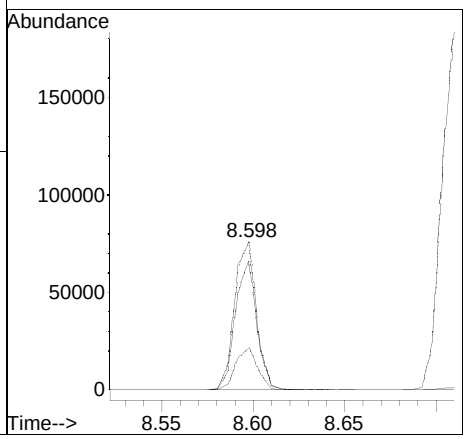


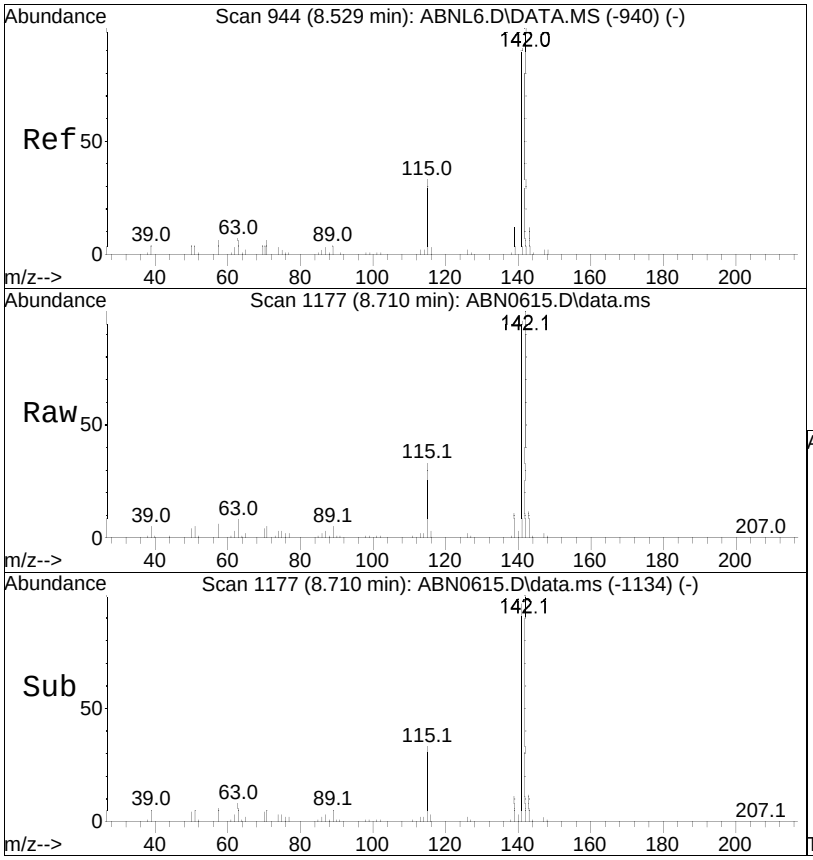


#40
p-Chloro-m-cresol
Concen: 3.98 ug/ml
RT: 8.598 min Scan# 1158
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:107 Resp: 63441

Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.9	31.3
142	84.8	66.1	99.1

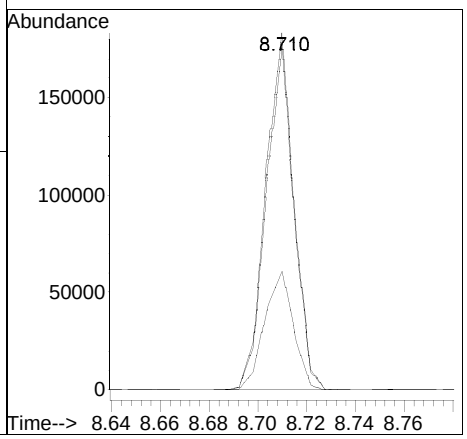


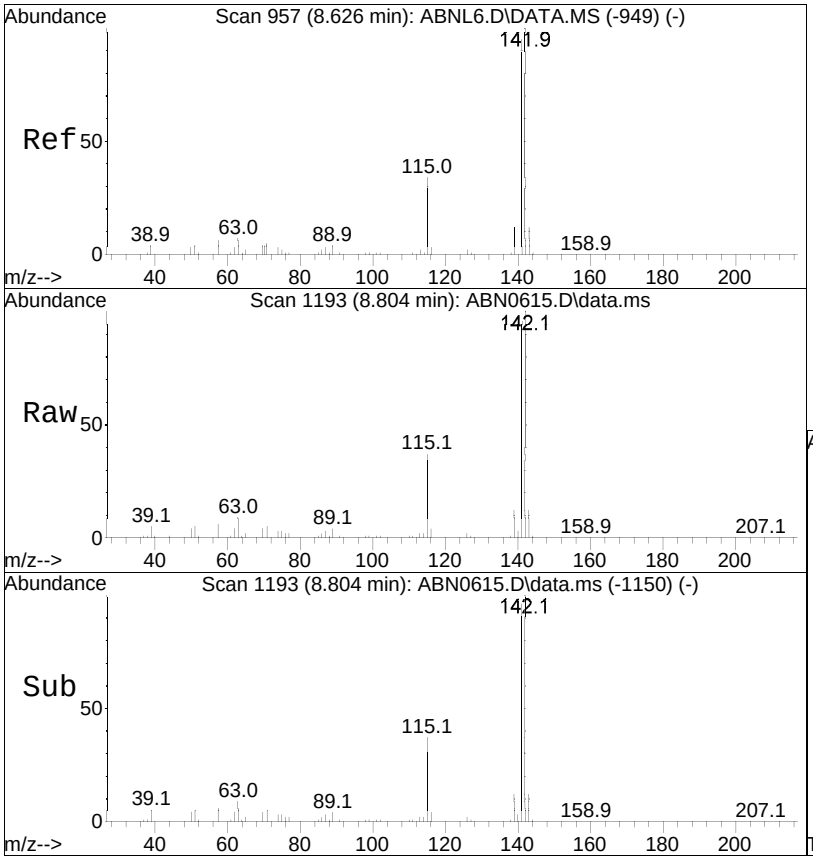


#41
2-Methylnaphthalene
Concen: 4.70 ug/ml
RT: 8.710 min Scan# 1177
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:142 Resp: 147084

Ion	Ratio	Lower	Upper
142	100		
141	94.1	69.6	104.4
115	34.1	26.6	40.0

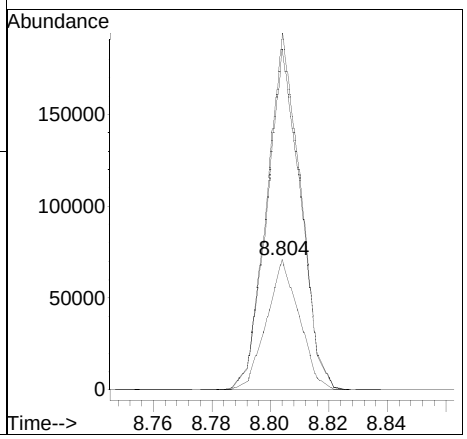


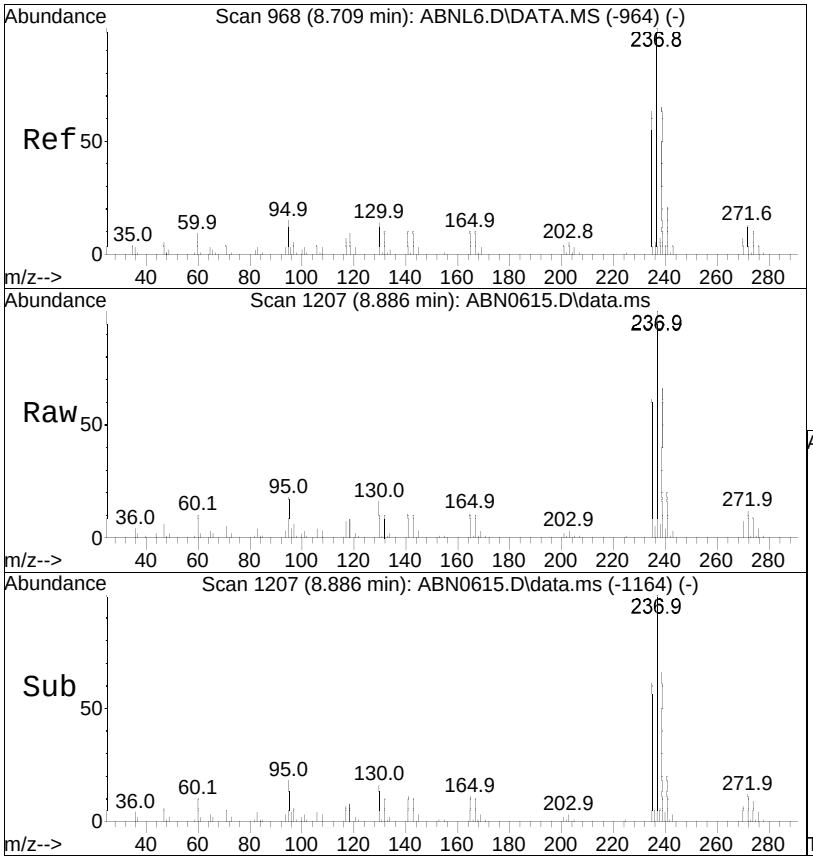


#42
1-Methylnaphthalene
Concen: 4.62 ug/ml
RT: 8.804 min Scan# 1193
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:115 Resp: 55496

Ion	Ratio	Lower	Upper
115	100		
141	266.8	207.8	311.6
142	278.9	226.8	340.2

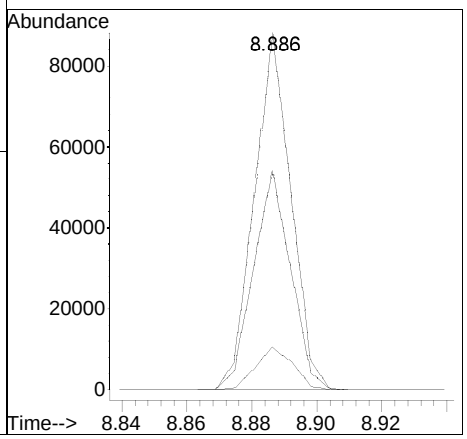


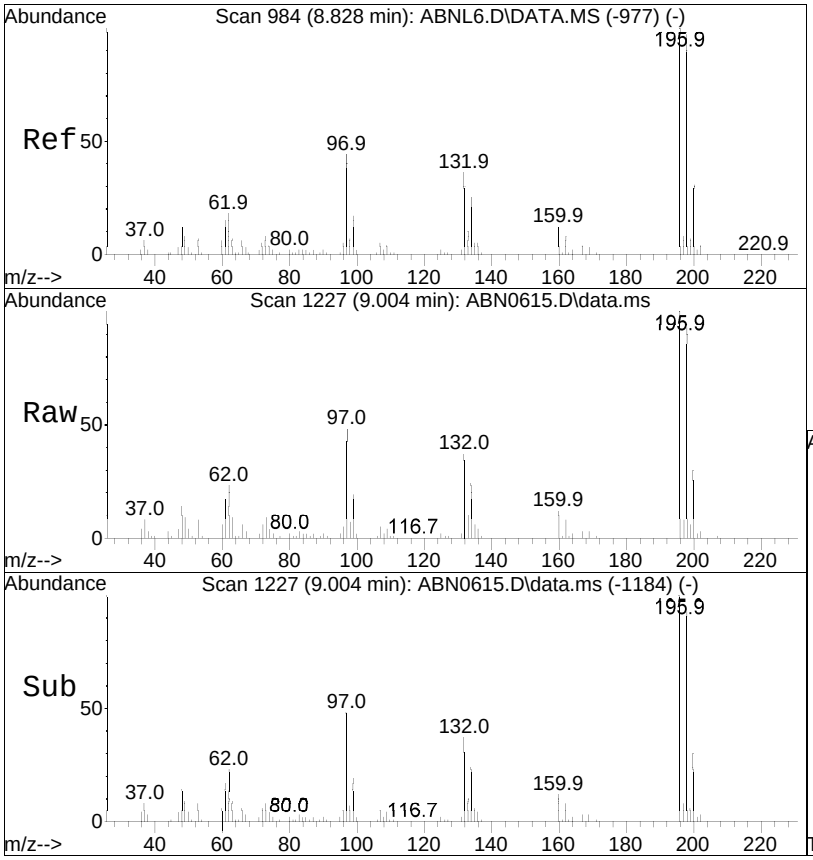


#43
Hexachlorocyclopentadiene
Concen: 4.66 ug/ml
RT: 8.886 min Scan# 1207
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:237 Resp: 68601

Ion	Ratio	Lower	Upper
237	100		
235	62.8	49.7	74.5
272	12.4	9.8	14.6

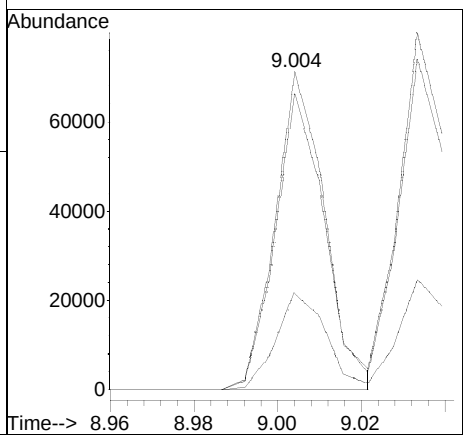


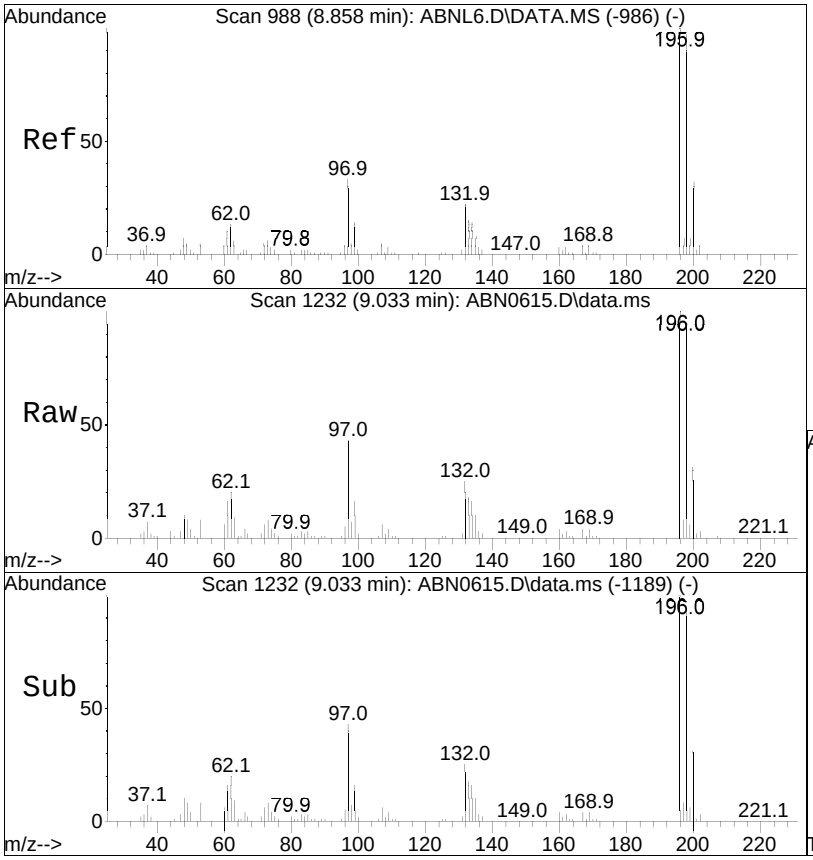


#44
2,4,6-Trichlorophenol
Concen: 4.75 ug/ml
RT: 9.004 min Scan# 1227
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:196 Resp: 58605

Ion	Ratio	Lower	Upper
196	100		
198	93.1	77.5	116.3
200	31.1	23.8	35.6

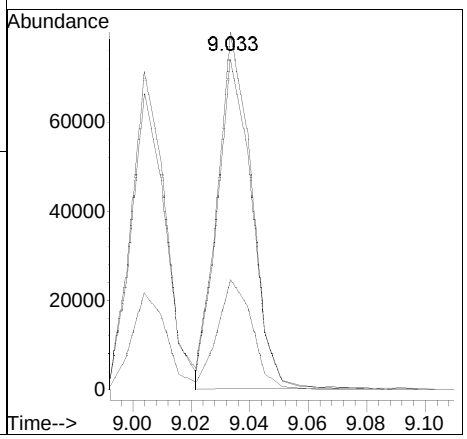


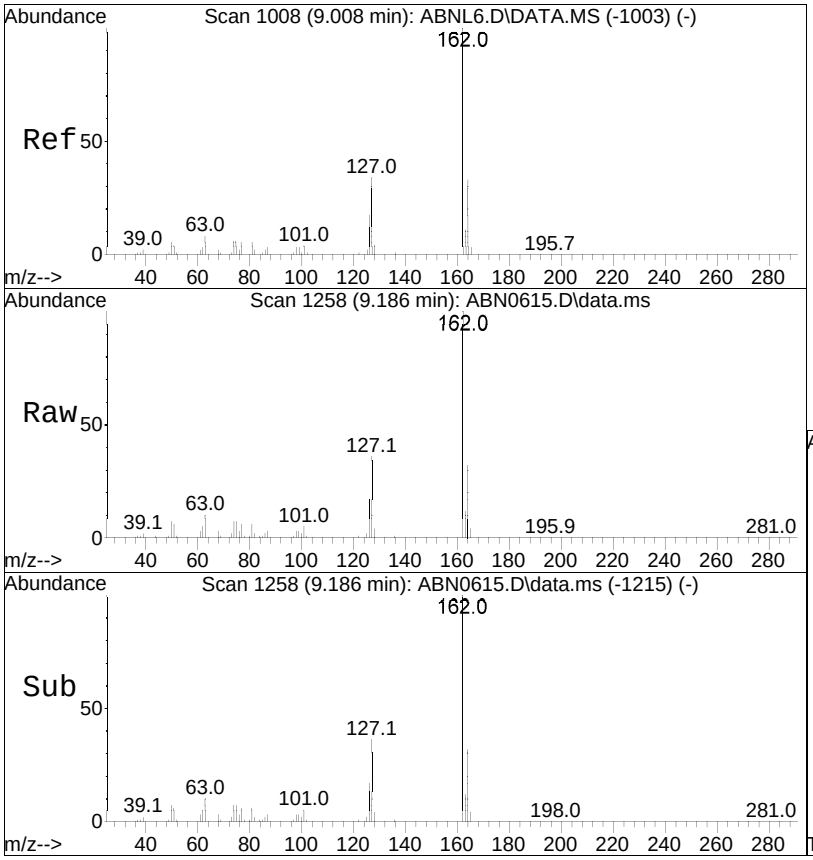


#45
2,4,5-Trichlorophenol
Concen: 5.18 ug/ml
RT: 9.033 min Scan# 1232
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:196 Resp: 64779

Ion	Ratio	Lower	Upper
196	100		
200	31.2	25.4	38.0
198	94.3	78.0	117.0

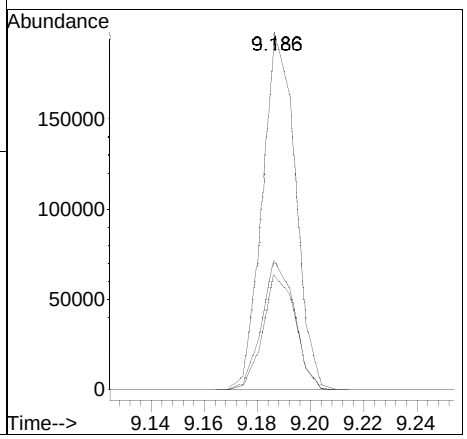


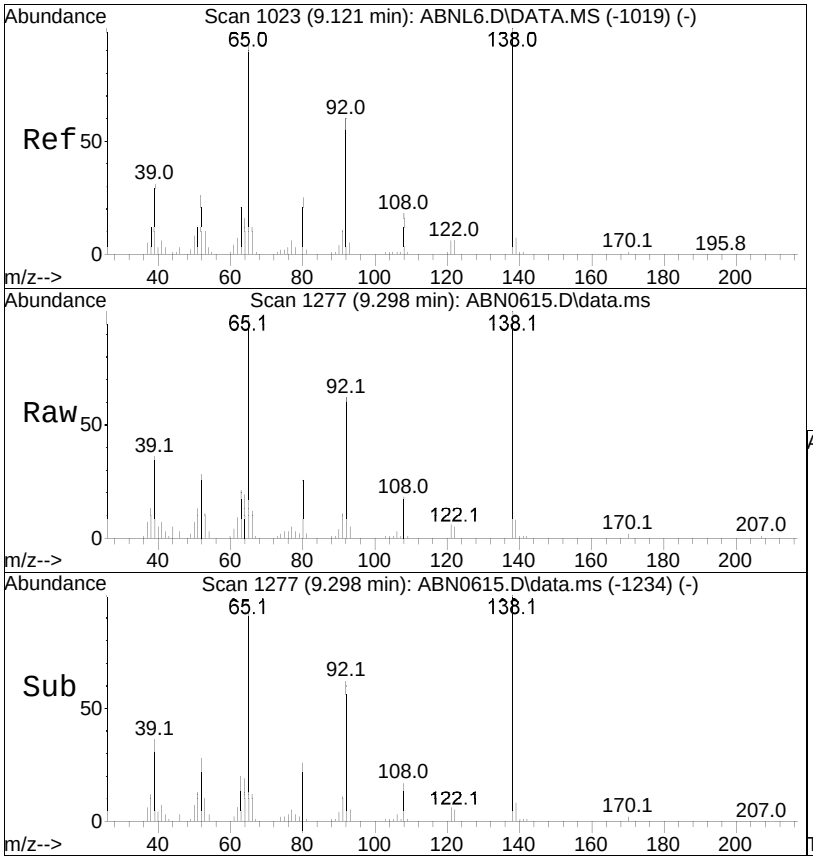


#47
2-Chloronaphthalene
Concen: 4.57 ug/ml
RT: 9.186 min Scan# 1258
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:162 Resp: 169647

Ion	Ratio	Lower	Upper
162	100		
127	35.9	32.2	48.4
164	32.2	25.7	38.5

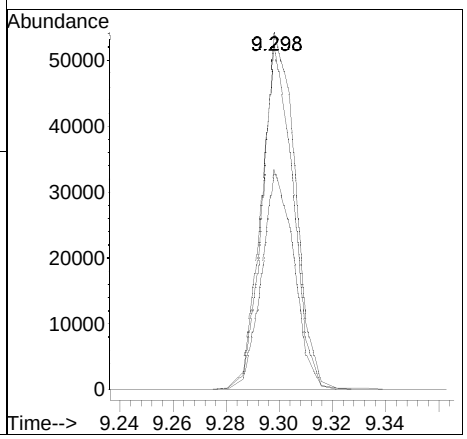


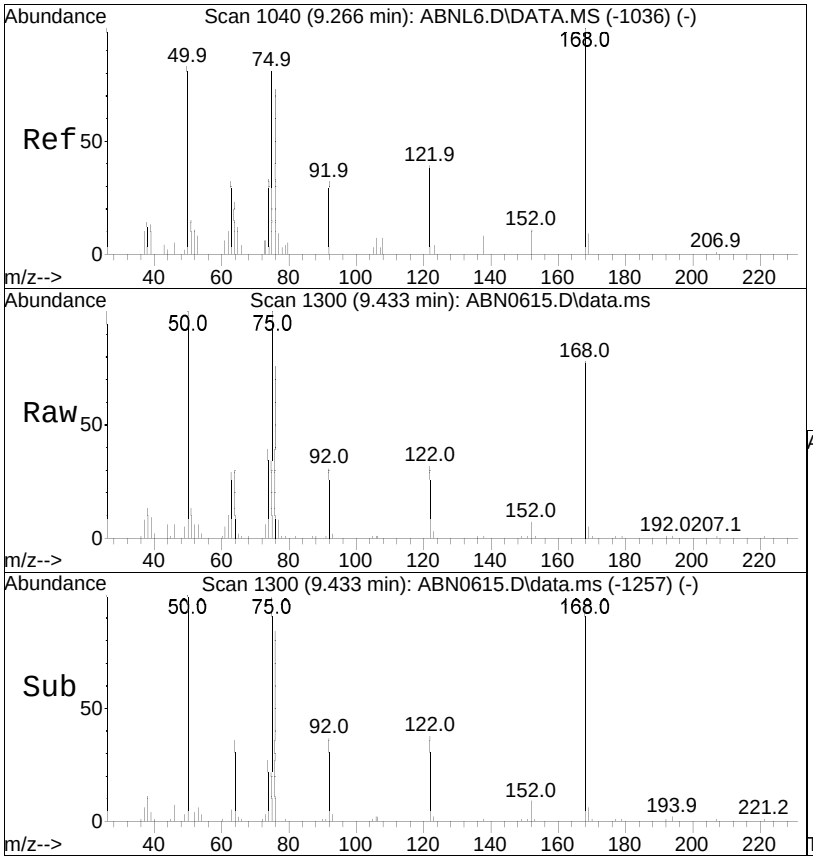


#48
2-Nitroaniline
Concen: 5.64 ug/ml
RT: 9.298 min Scan# 1277
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:138 Resp: 46049

Ion	Ratio	Lower	Upper
138	100		
92	60.4	53.5	80.3
65	93.7	86.3	129.5

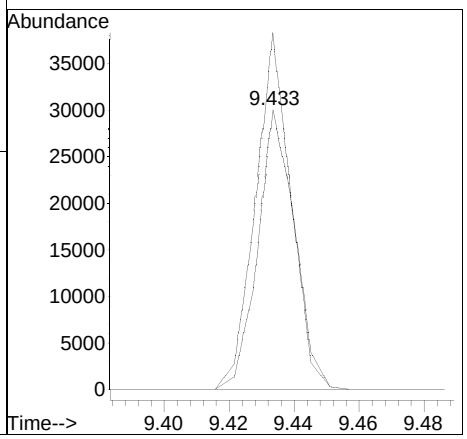


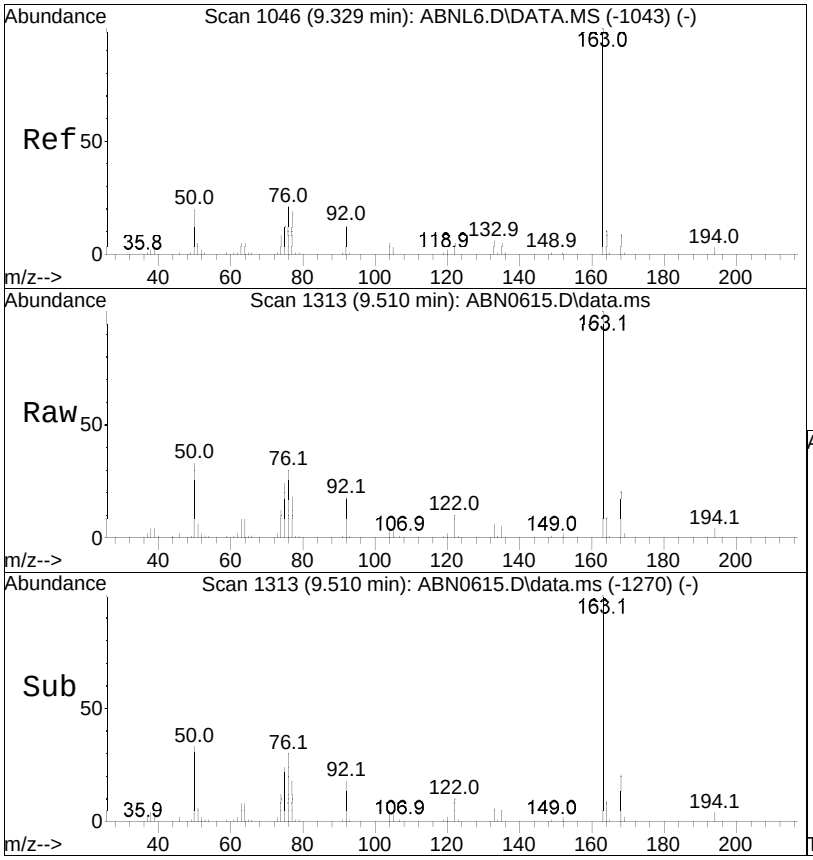


#49
1,4-Dinitrobenzene
Concen: 14.47 ug/ml
RT: 9.433 min Scan# 1300
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:168 Resp: 23638

Ion	Ratio	Lower	Upper
168	100		
75	122.5	121.8	182.8

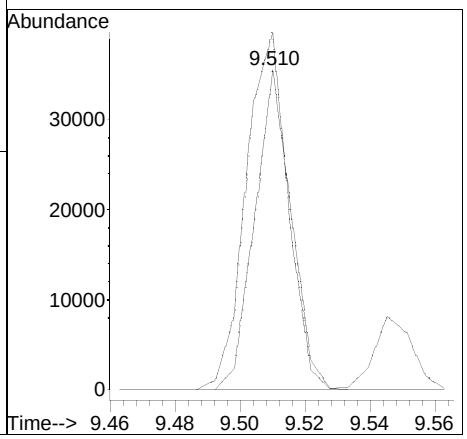


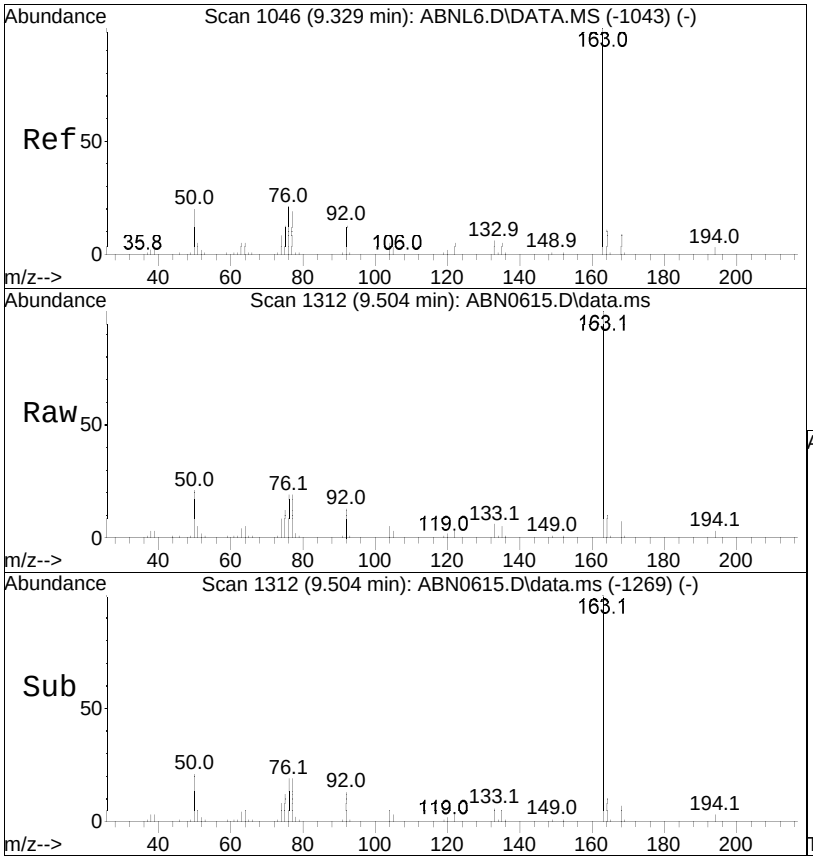


#50
1,3-Dinitrobenzene
Concen: 5.39 ug/ml
RT: 9.510 min Scan# 1313
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:168 Resp: 27596

Ion	Ratio	Lower	Upper
168	100		
75	127.8	22.7	34.1#

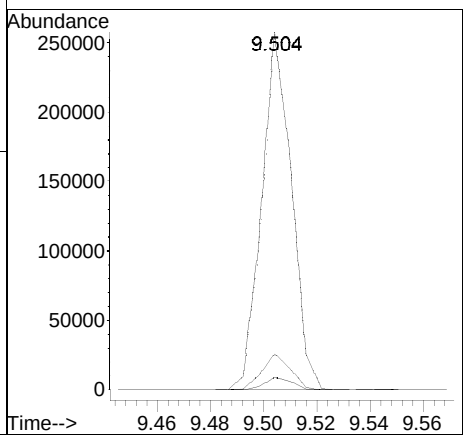


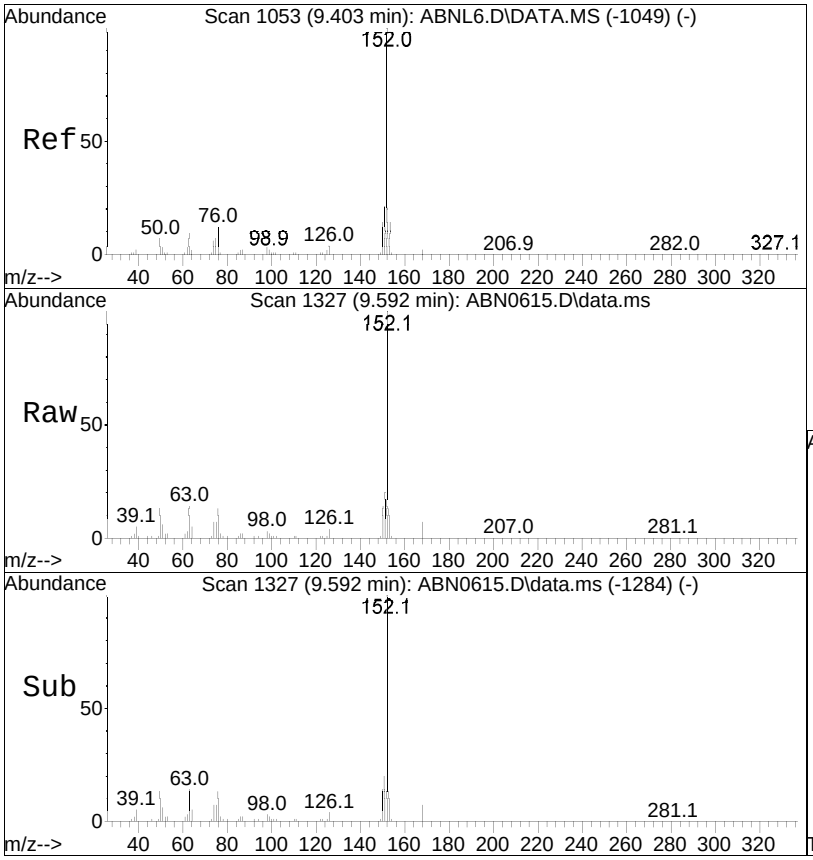


#51
Dimethyl phthalate
Concen: 4.43 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:163 Resp: 197424

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.5	5.3#
164	9.9	7.9	11.9

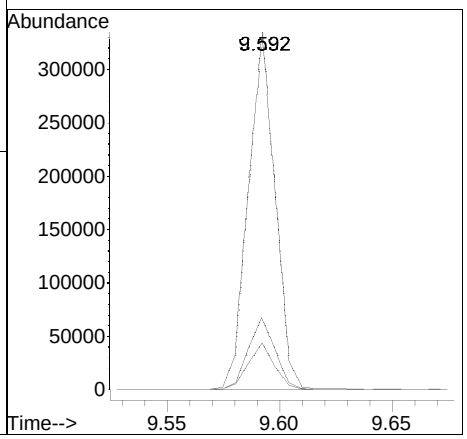


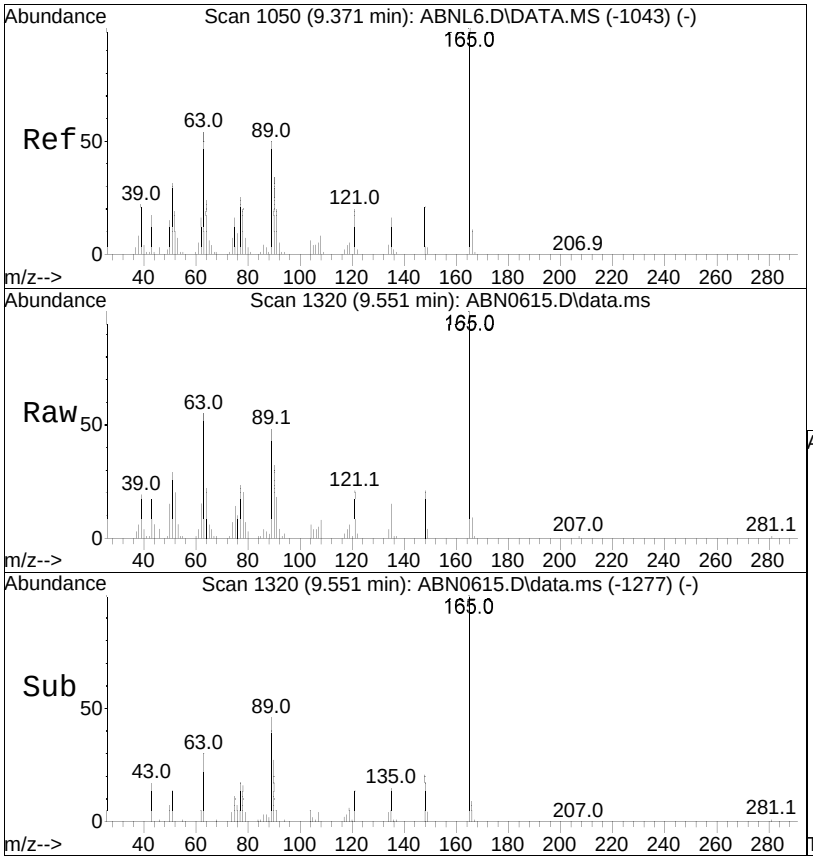


#52
Acenaphthylene
Concen: 4.64 ug/ml
RT: 9.592 min Scan# 1327
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:152 Resp: 273375

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.6
153	12.9	10.5	15.7

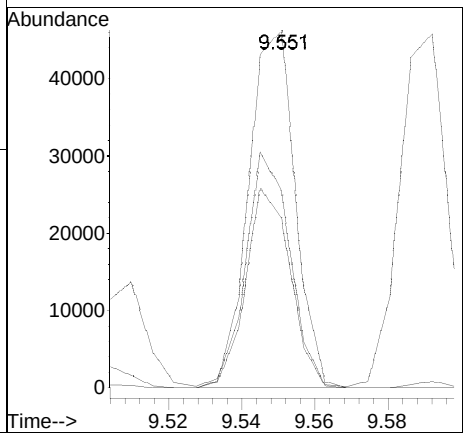


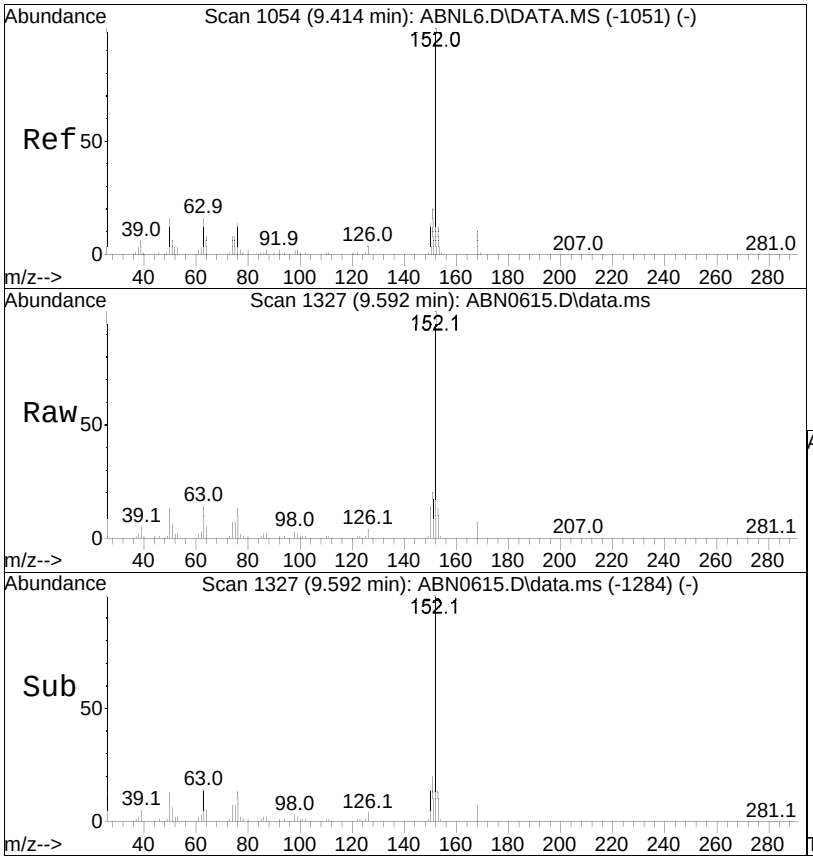


#53
2,6-Dinitrotoluene
Concen: 5.53 ug/ml
RT: 9.551 min Scan# 1320
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:165 Resp: 40907

Ion	Ratio	Lower	Upper
165	100		
89	53.4	54.2	81.2#
63	62.6	64.2	96.2#

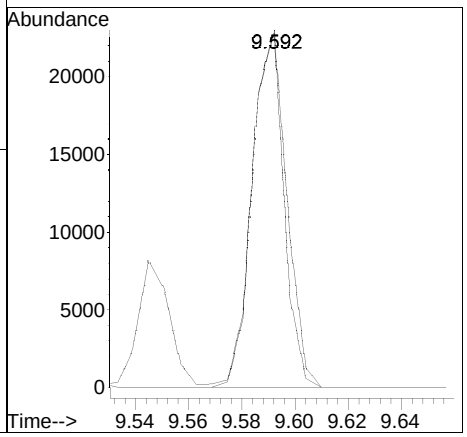


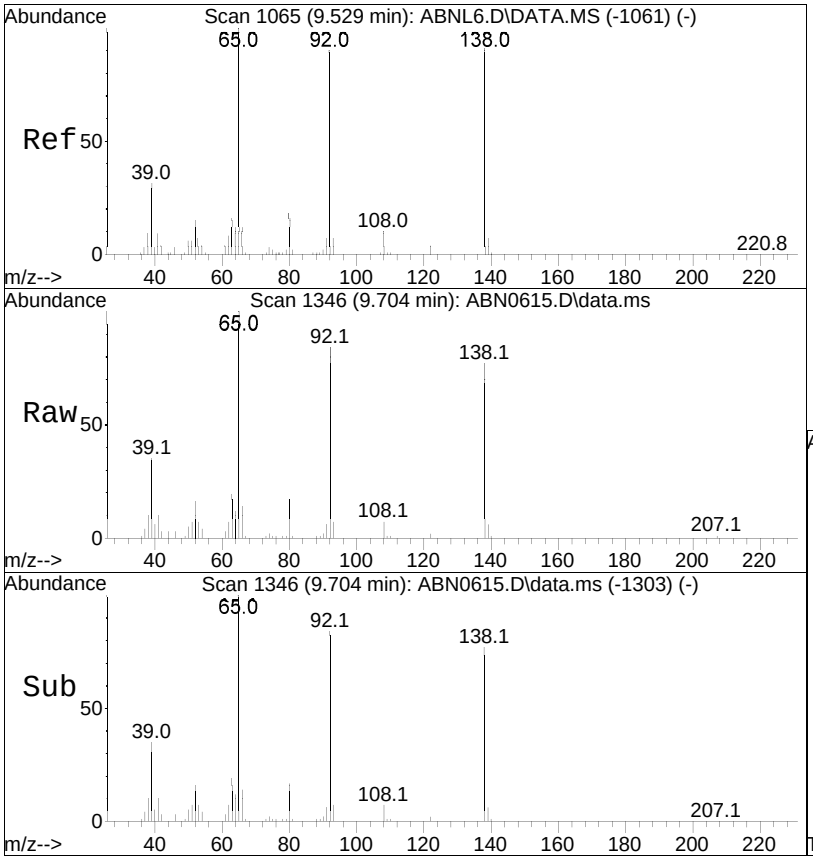


#54
1,2-Dinitrobenzene
Concen: 6.04 ug/ml M3
RT: 9.592 min Scan# 1327
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:168 Resp: 18699

Ion	Ratio	Lower	Upper
168	100		
75	3.2	30.9	46.3#

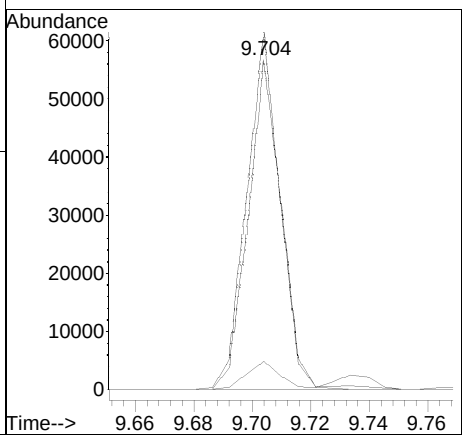


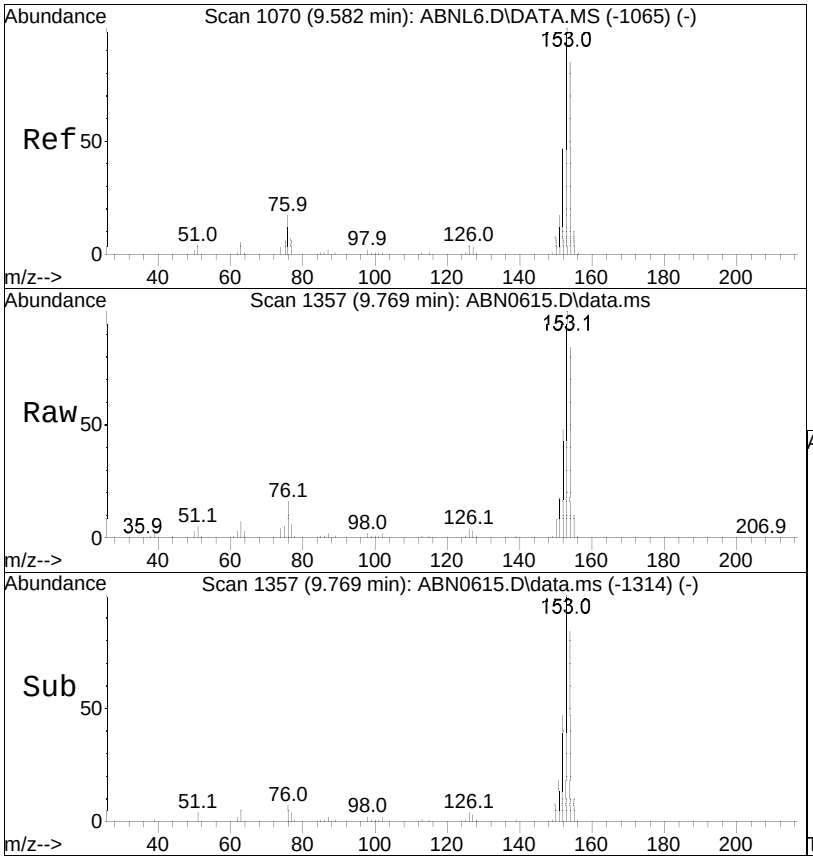


#64
3-Nitroaniline
Concen: 6.02 ug/ml
RT: 9.704 min Scan# 1346
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:138 Resp: 43946

Ion	Ratio	Lower	Upper
138	100		
92	110.1	93.4	140.2
108	8.8	9.5	14.3#

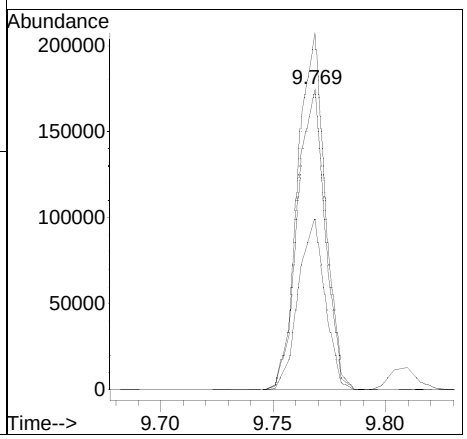


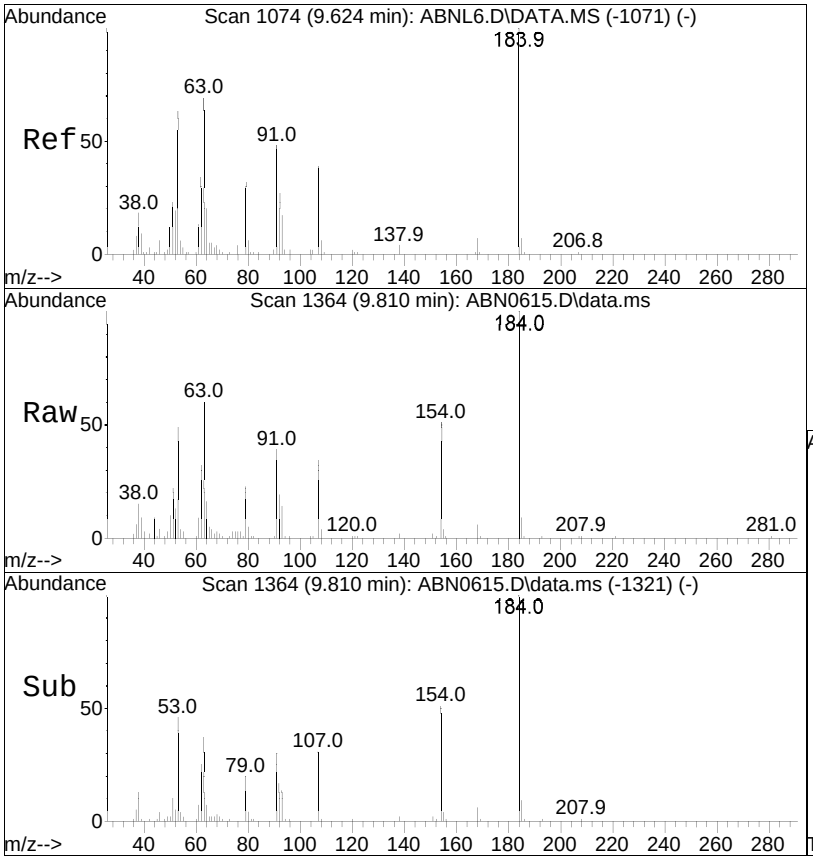


#65
Acenaphthene
Concen: 4.67 ug/ml
RT: 9.769 min Scan# 1357
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:154 Resp: 148793

Ion	Ratio	Lower	Upper
154	100		
153	117.2	85.3	127.9
152	55.4	41.4	62.0

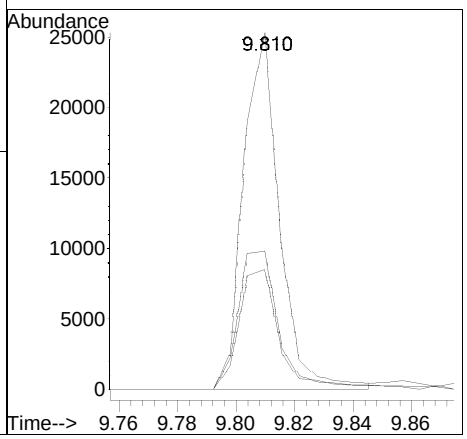


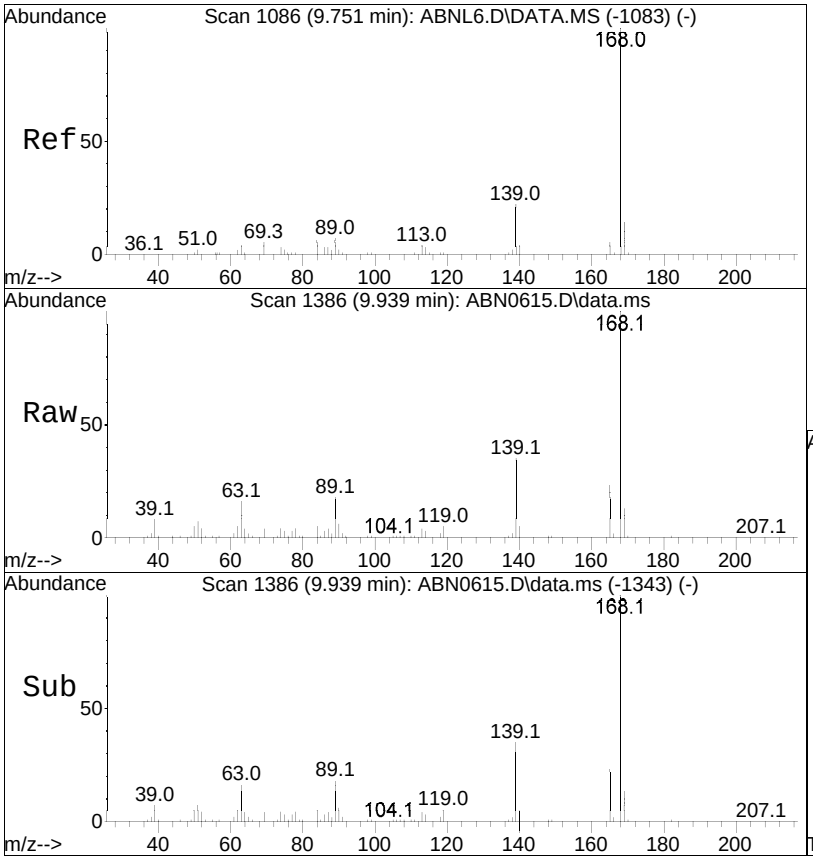


#66
2,4-Dinitrophenol
Concen: 5.68 ug/ml
RT: 9.810 min Scan# 1364
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:184 Resp: 21585

Ion	Ratio	Lower	Upper
184	100		
107	38.6	37.7	56.5
91	45.6	46.3	69.5#

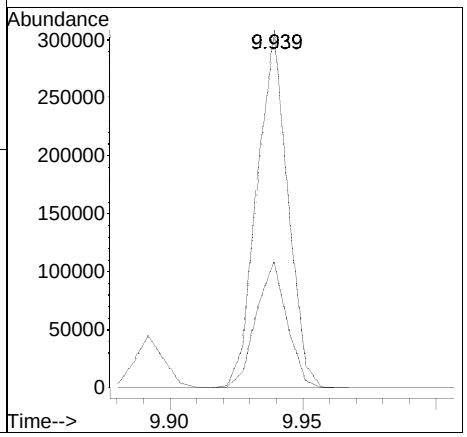


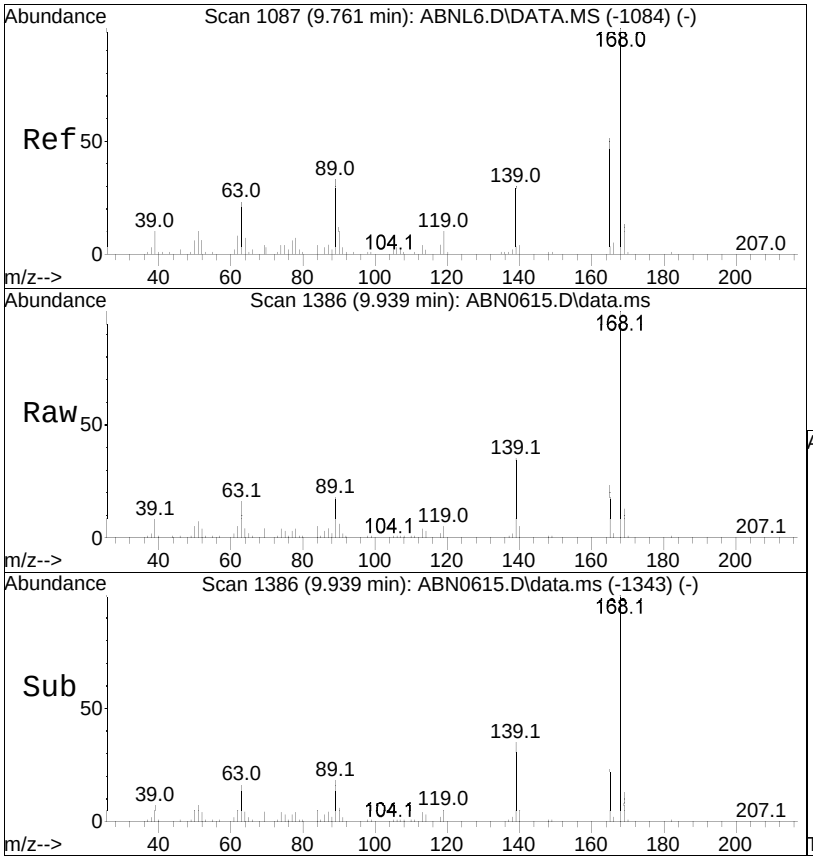


#67
Dibenzofuran
Concen: 4.43 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:168 Resp: 245519

Ion	Ratio	Lower	Upper
168	100		
139	35.6	31.4	47.2

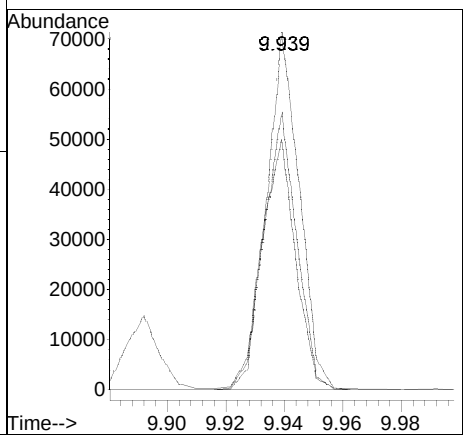


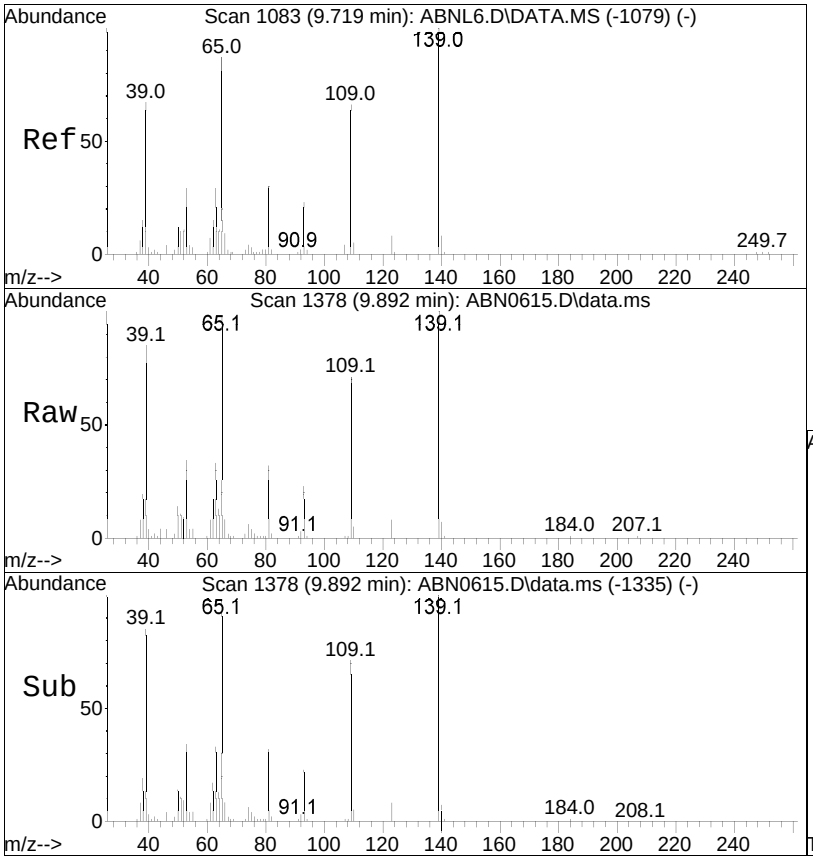


#68
2,4-Dinitrotoluene
Concen: 5.42 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:165 Resp: 54828

Ion	Ratio	Lower	Upper
165	100		
89	78.4	72.0	108.0
63	73.4	52.7	79.1

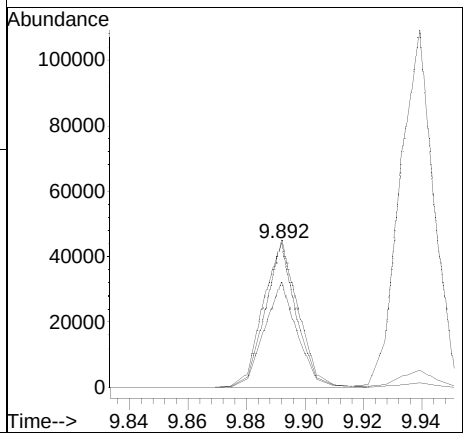


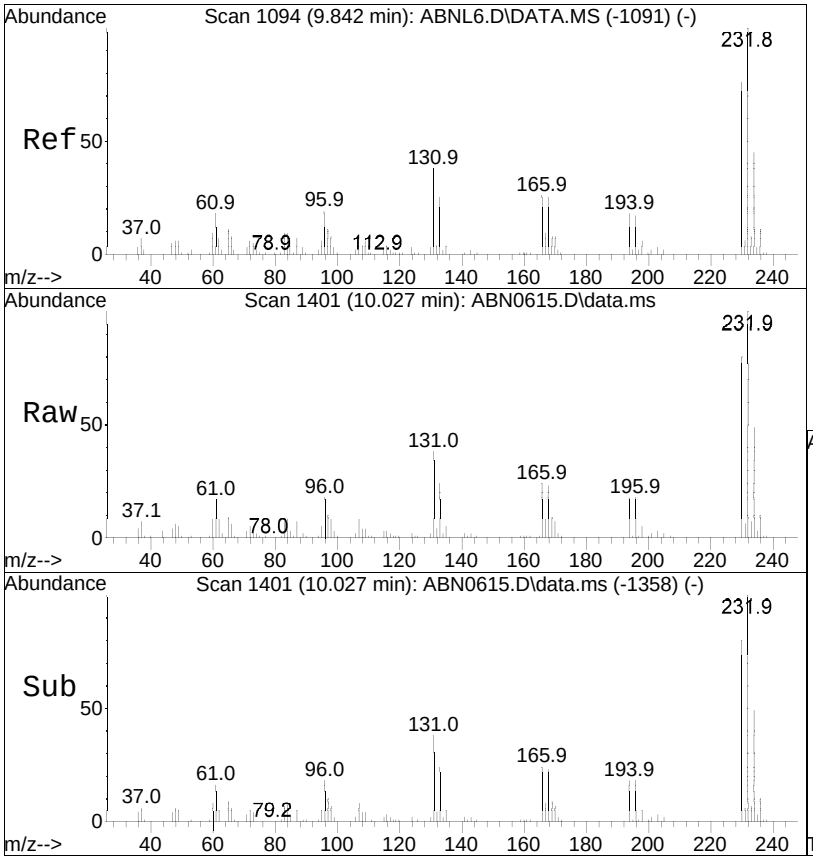


#69
4-Nitrophenol
Concen: 6.27 ug/ml
RT: 9.892 min Scan# 1378
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 65 Resp: 34918

Ion	Ratio	Lower	Upper
65	100		
109	71.9	47.4	71.2#
139	99.8	76.6	115.0

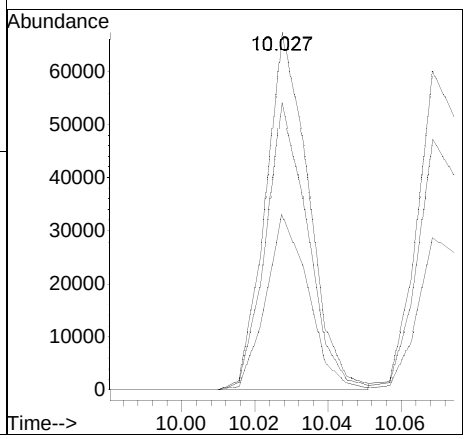


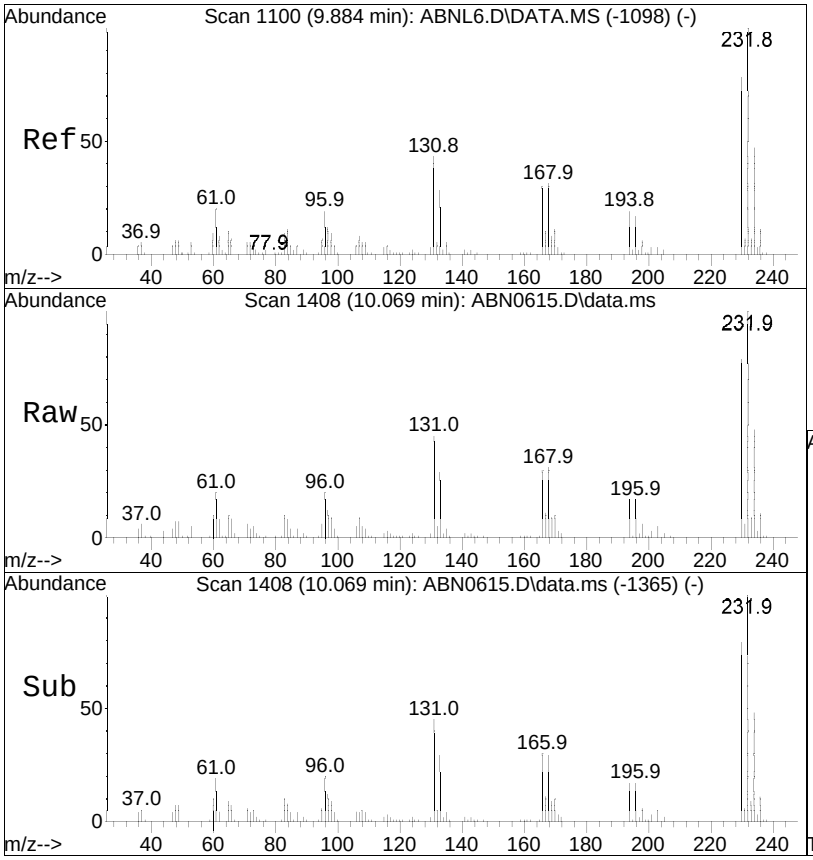


#70
2,3,5,6-Tetrachlorophenol
Concen: 5.23 ug/ml
RT: 10.027 min Scan# 1401
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:232 Resp: 55327

Ion	Ratio	Lower	Upper
232	100		
230	78.3	64.2	96.4
234	48.4	38.1	57.1

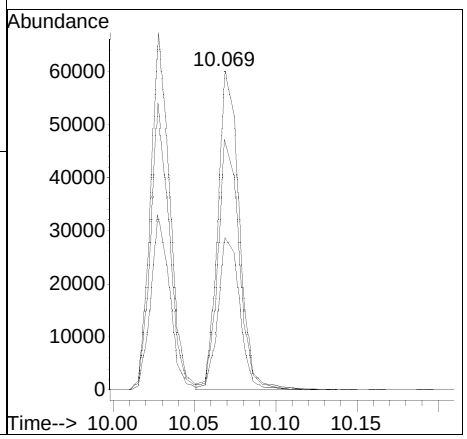


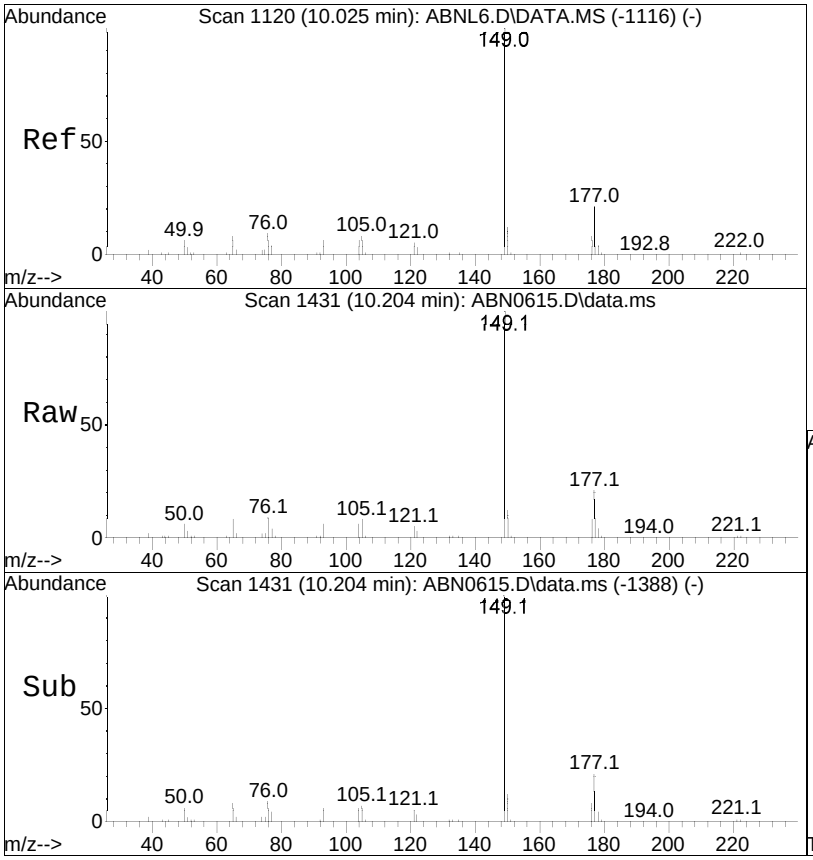


#71
2,3,4,6-Tetrachlorophenol
Concen: 5.58 ug/ml
RT: 10.069 min Scan# 1408
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:232 Resp: 55560

Ion	Ratio	Lower	Upper
232	100		
230	78.6	61.8	92.8
234	48.4	36.2	54.2

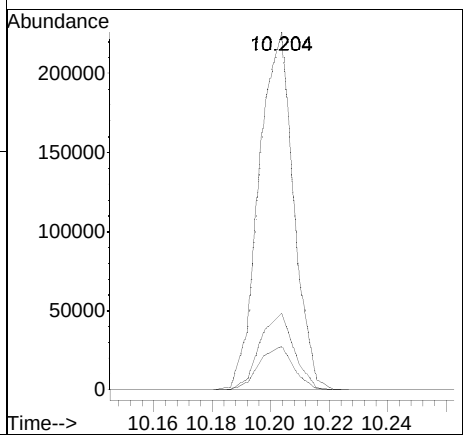


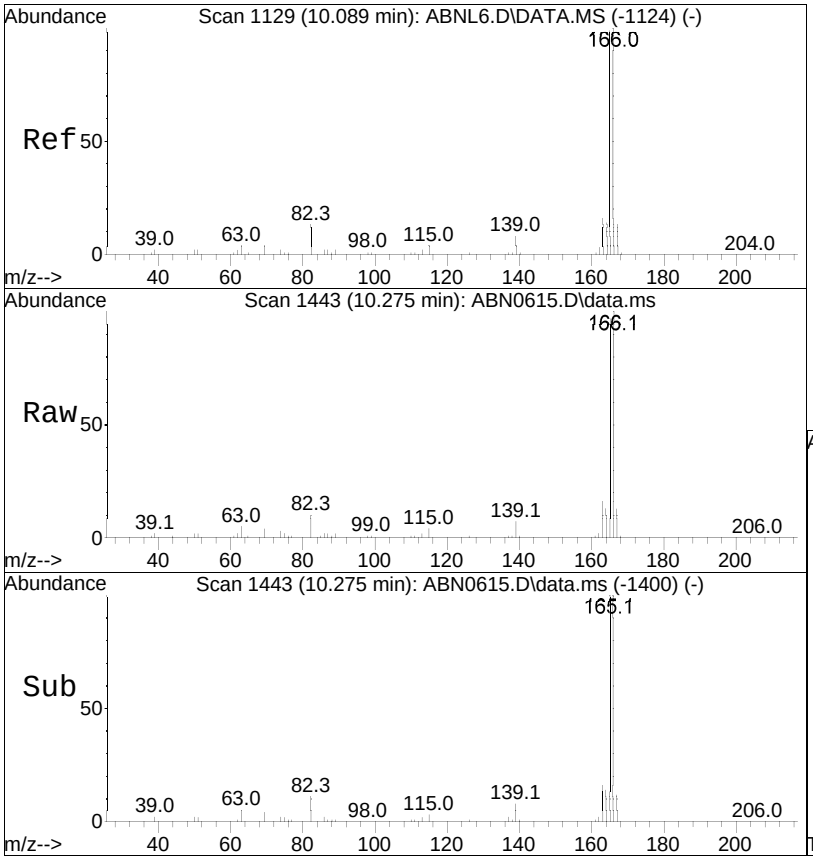


#72
Diethyl phthalate
Concen: 4.68 ug/ml
RT: 10.204 min Scan# 1431
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:149 Resp: 184040

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.1	24.1
150	12.4	9.4	14.2

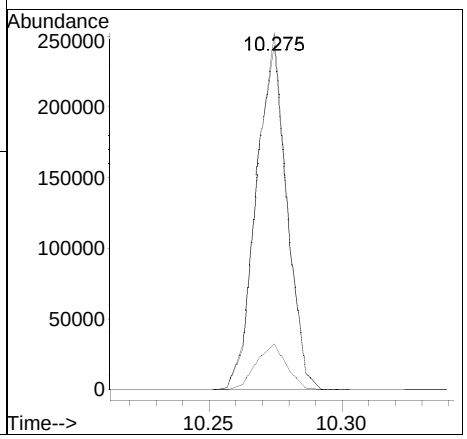


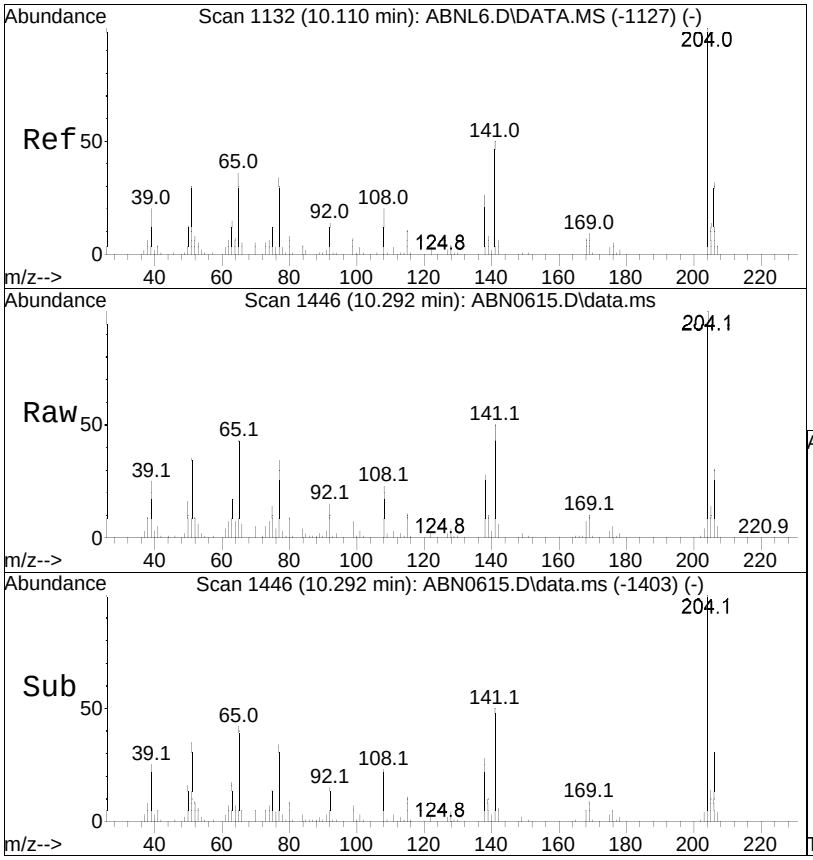


#73
Fluorene
Concen: 4.88 ug/ml
RT: 10.275 min Scan# 1443
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:166 Resp: 199203

Ion	Ratio	Lower	Upper
166	100		
165	98.9	76.2	114.2
167	13.4	10.6	15.8

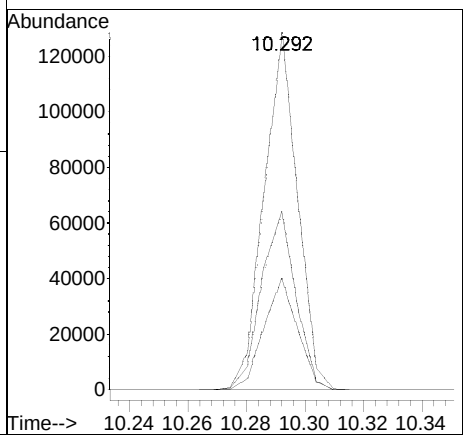


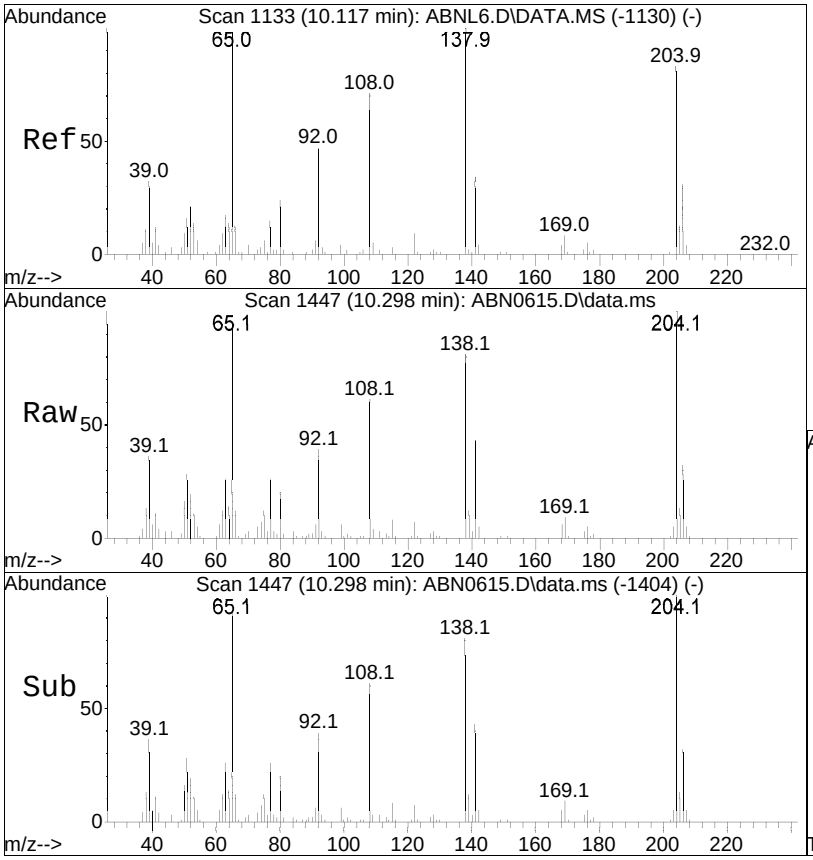


#74
4-Chlorophenyl phenyl ether
Concen: 4.74 ug/ml
RT: 10.292 min Scan# 1446
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:204 Resp: 101104

Ion	Ratio	Lower	Upper
204	100		
206	31.8	25.8	38.6
141	51.7	53.6	80.4#

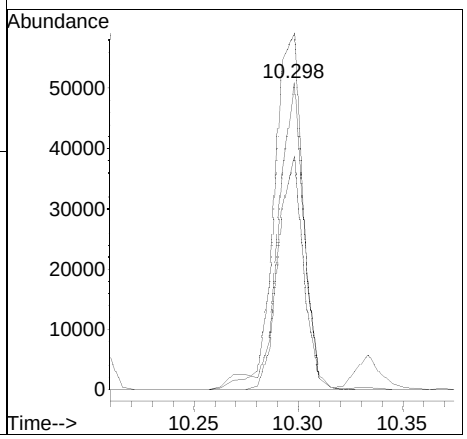


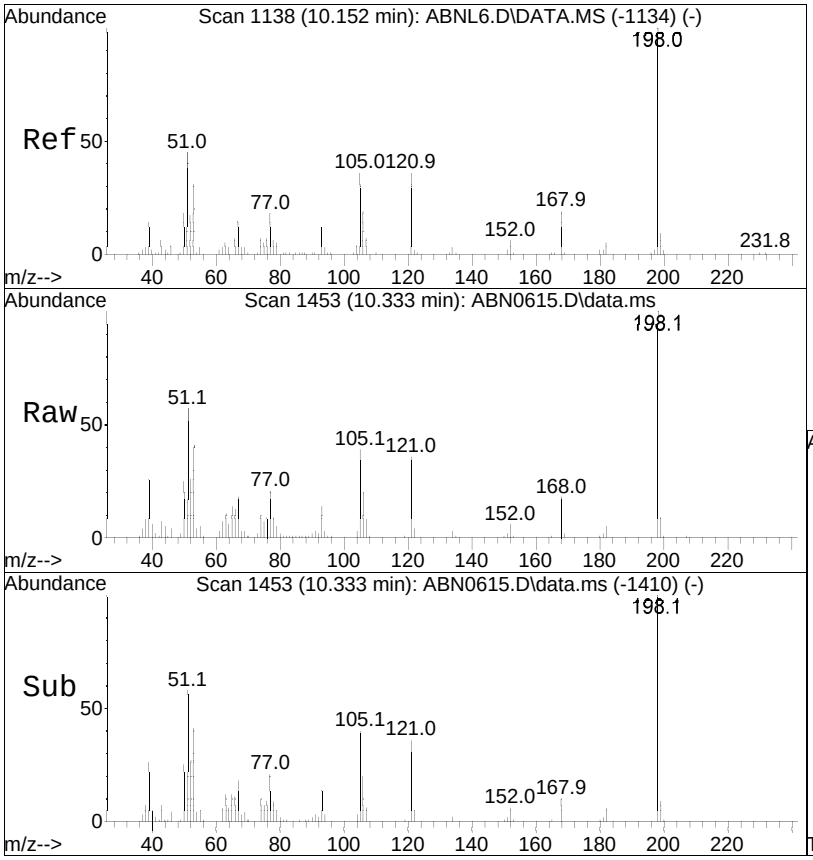


#75
4-Nitroaniline
Concen: 6.21 ug/ml
RT: 10.298 min Scan# 1447
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:138 Resp: 44099

Ion	Ratio	Lower	Upper
138	100		
108	73.5	52.1	78.1
65	127.1	115.0	172.6

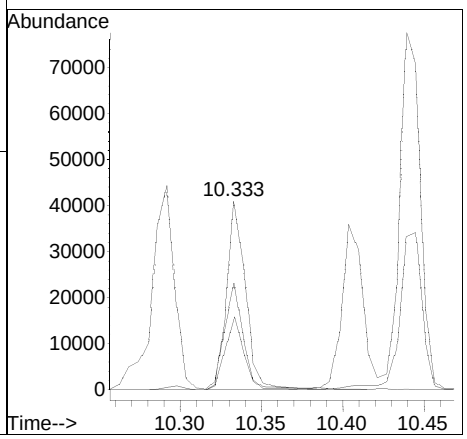


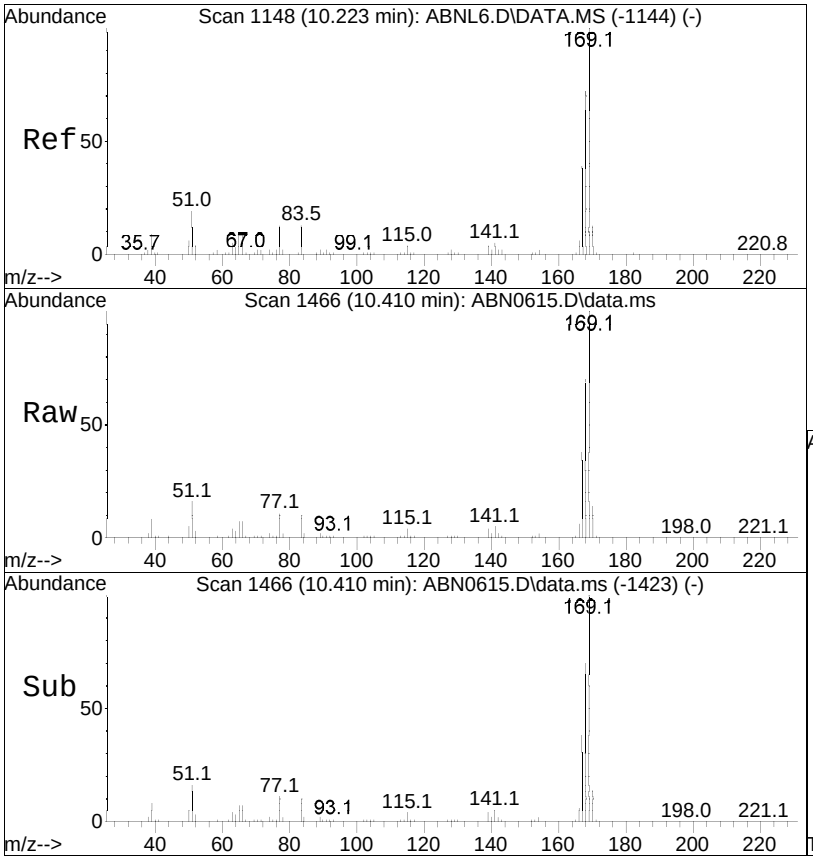


#76
4,6-Dinitro-o-cresol
Concen: 5.53 ug/ml
RT: 10.333 min Scan# 1453
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:198 Resp: 33711

Ion	Ratio	Lower	Upper
198	100		
51	54.4	76.0	114.0#
105	38.4	45.6	68.4#

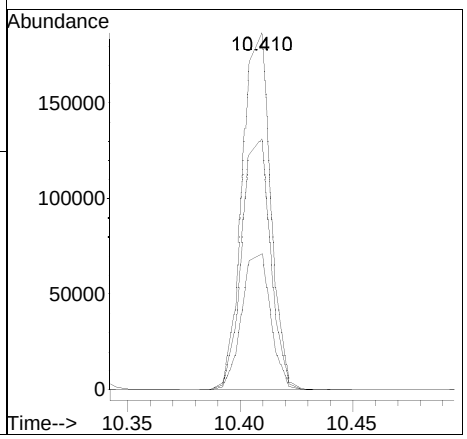


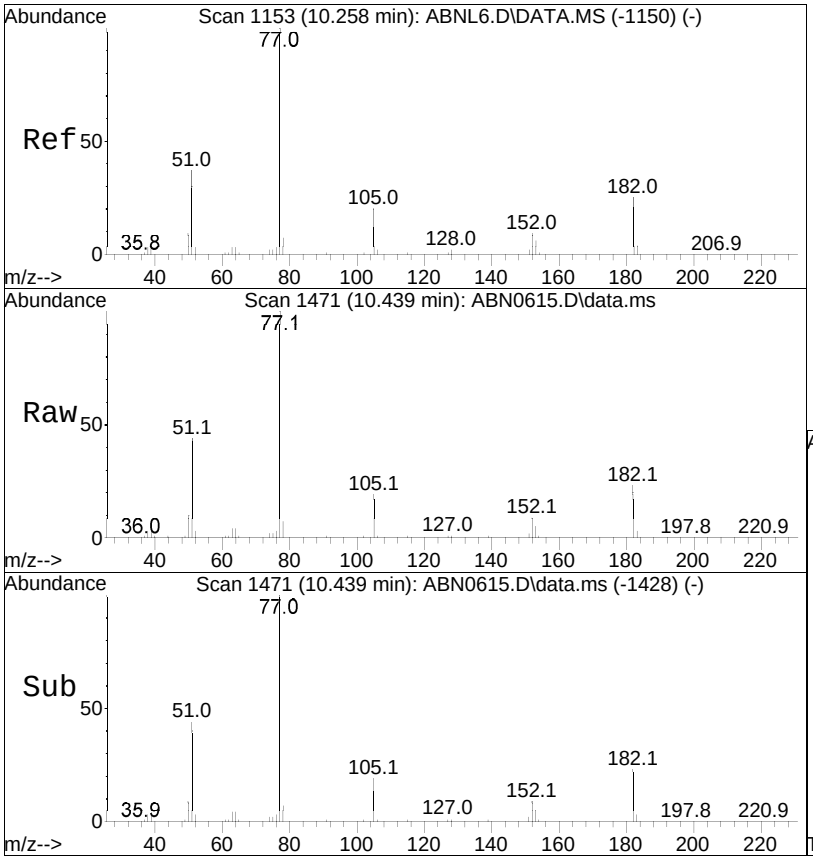


#77
NDPA/DPA
Concen: 4.82 ug/ml
RT: 10.410 min Scan# 1466
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:169 Resp: 164100

Ion	Ratio	Lower	Upper
169	100		
168	71.3	54.0	81.0
167	39.1	28.6	42.8

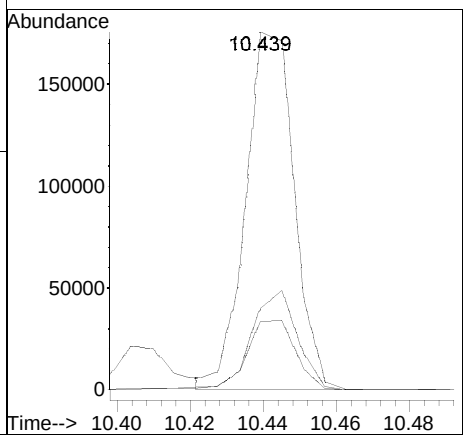


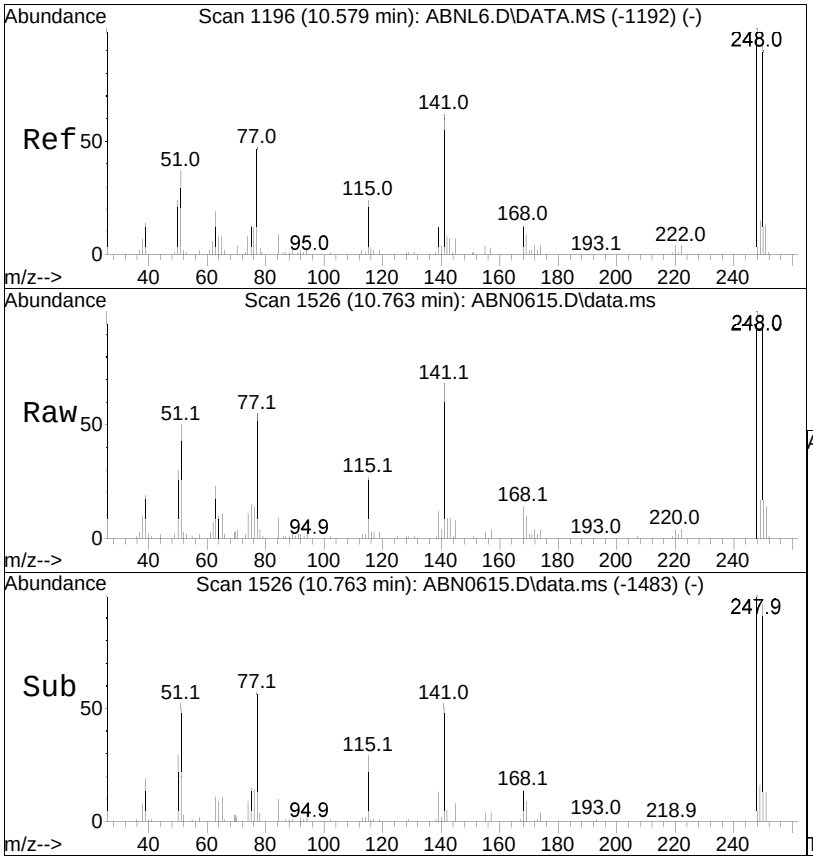


#78
Azobenzene
Concen: 4.95 ug/ml
RT: 10.439 min Scan# 1471
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion: 77 Resp: 160468

Ion	Ratio	Lower	Upper
77	100		
182	27.0	17.4	26.2#
105	20.6	15.4	23.2

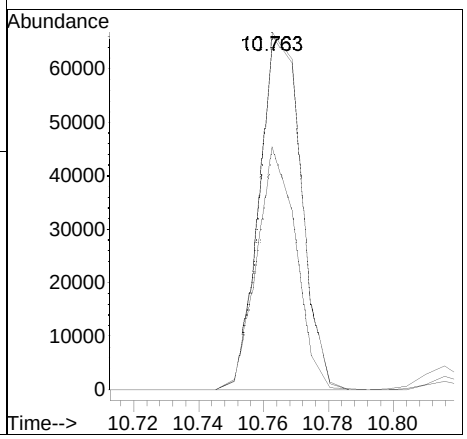


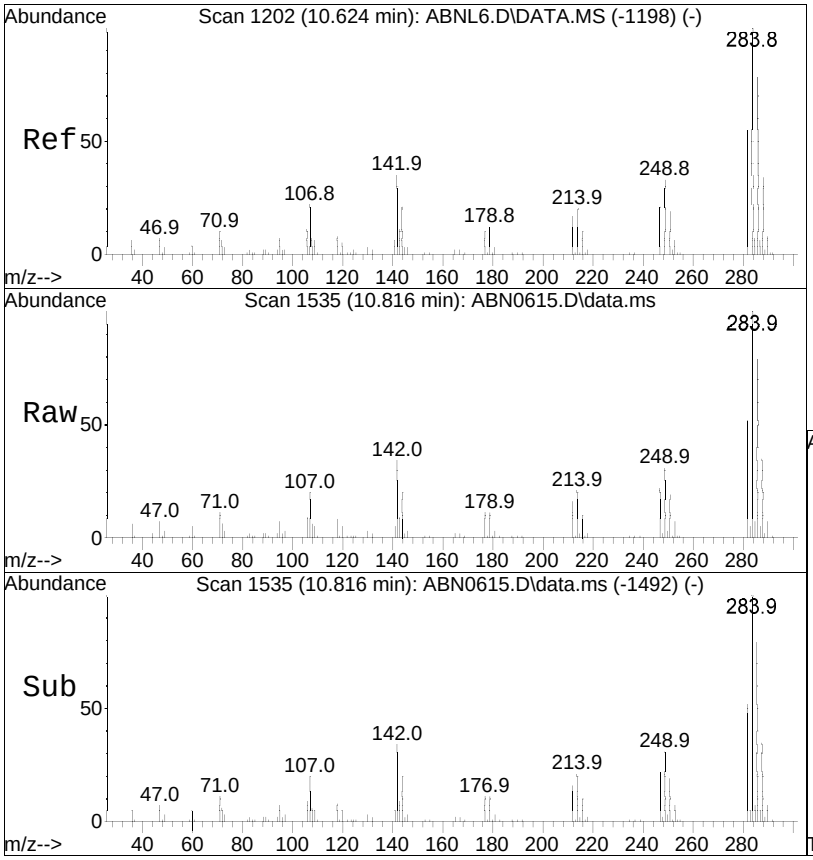


#80
4-Bromophenyl phenyl ether
Concen: 4.45 ug/ml
RT: 10.763 min Scan# 1526
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:248 Resp: 59621

Ion	Ratio	Lower	Upper
248	100		
141	63.5	76.6	114.8#
250	98.9	77.3	115.9

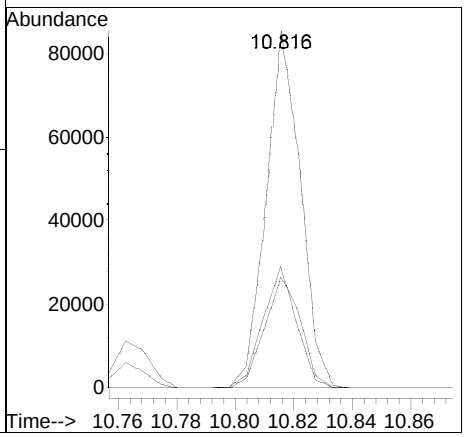


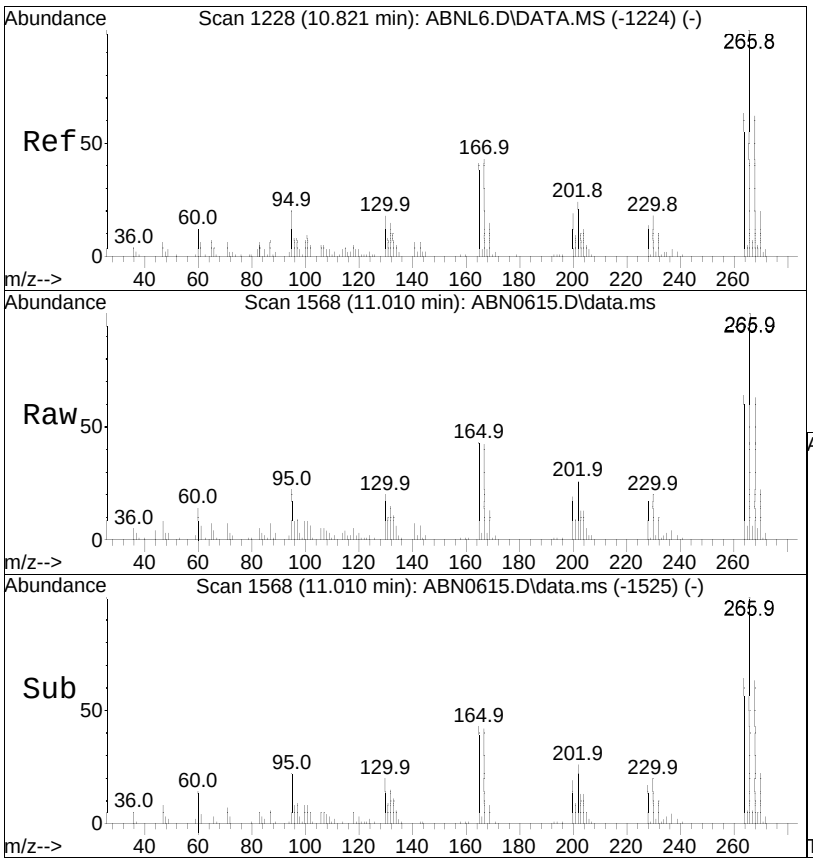


#81
Hexachlorobenzene
Concen: 4.40 ug/ml
RT: 10.816 min Scan# 1535
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:284 Resp: 69162

Ion	Ratio	Lower	Upper
284	100		
142	33.6	41.9	62.9#
249	32.7	24.1	36.1

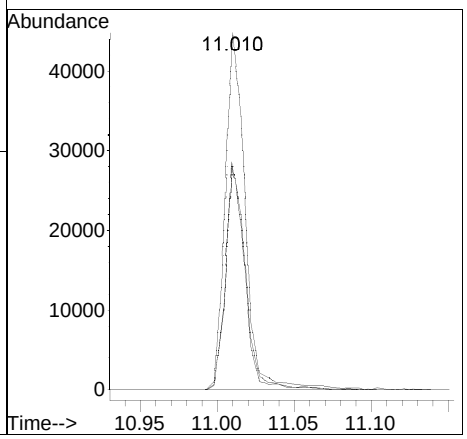


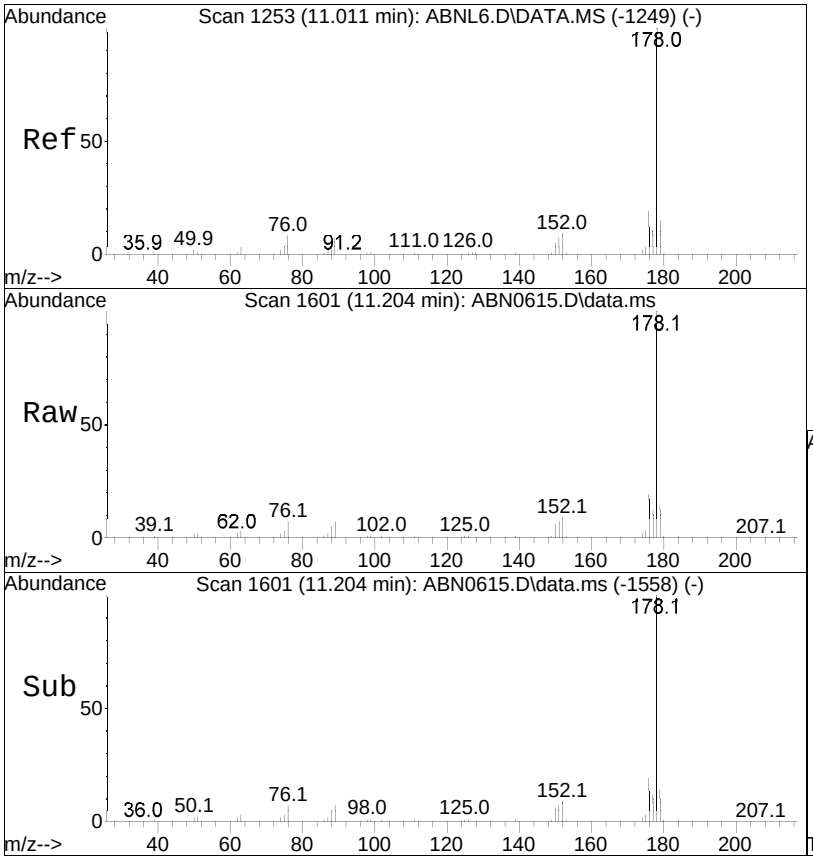


#82
Pentachlorophenol
Concen: 4.94 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:266 Resp: 40385

Ion	Ratio	Lower	Upper
266	100		
264	61.3	49.7	74.5
268	62.6	50.5	75.7

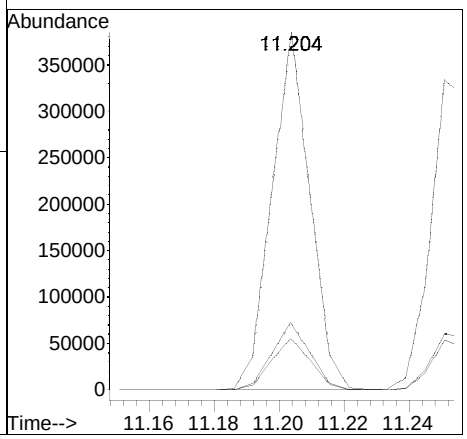


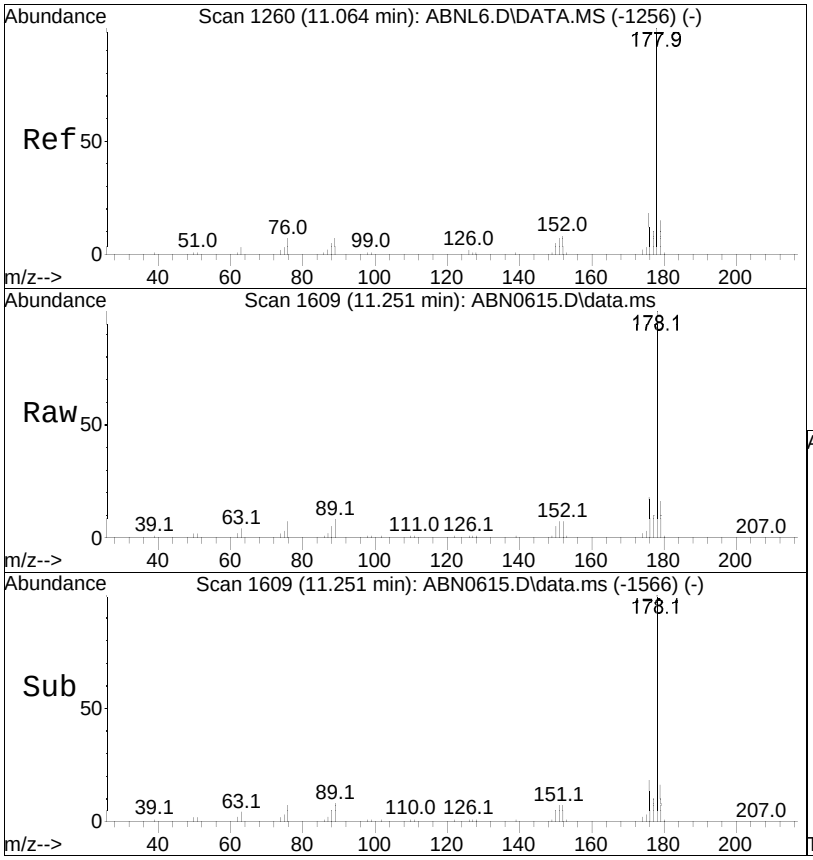


#89
Phenanthrene
Concen: 4.77 ug/ml
RT: 11.204 min Scan# 1601
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:178 Resp: 313179

Ion	Ratio	Lower	Upper
178	100		
179	14.7	12.2	18.2
176	18.8	15.4	23.2

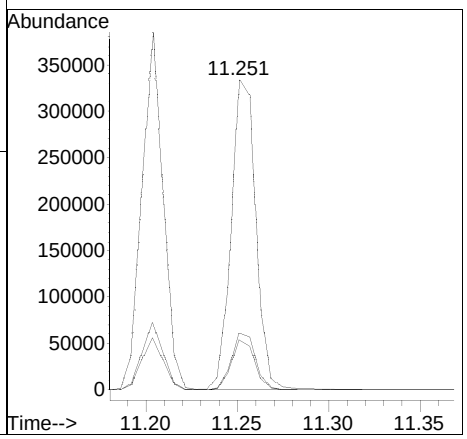


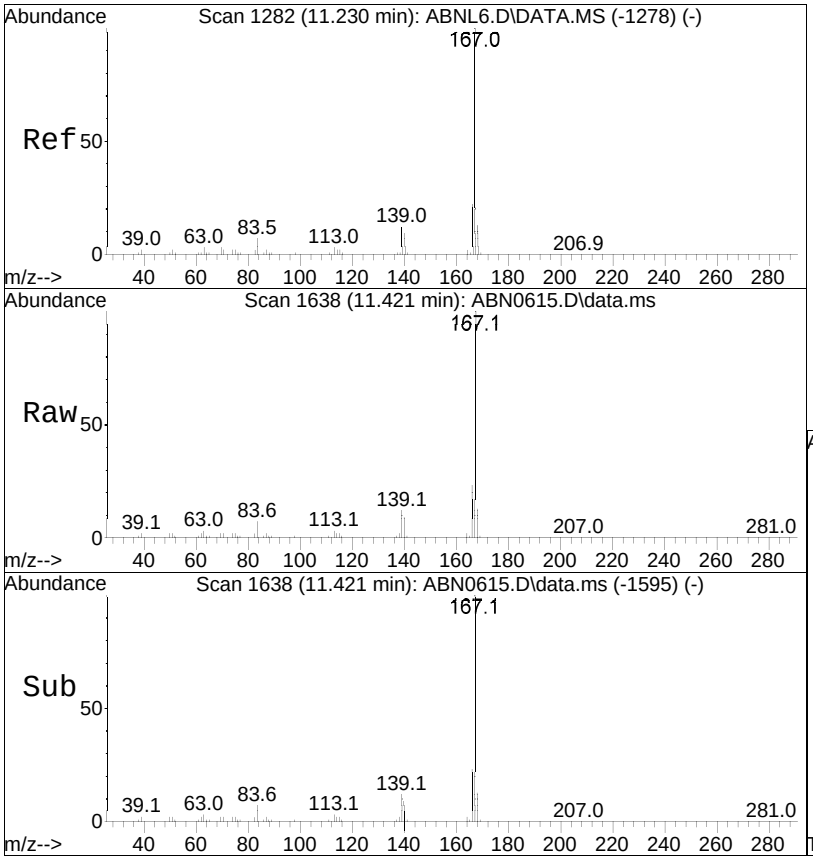


#90
Anthracene
Concen: 4.87 ug/ml
RT: 11.251 min Scan# 1609
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:178 Resp: 312310

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	18.1	14.6	22.0

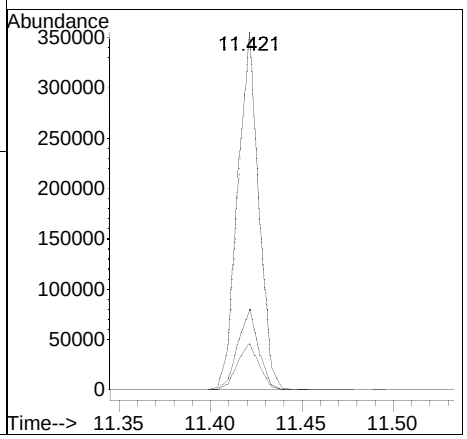


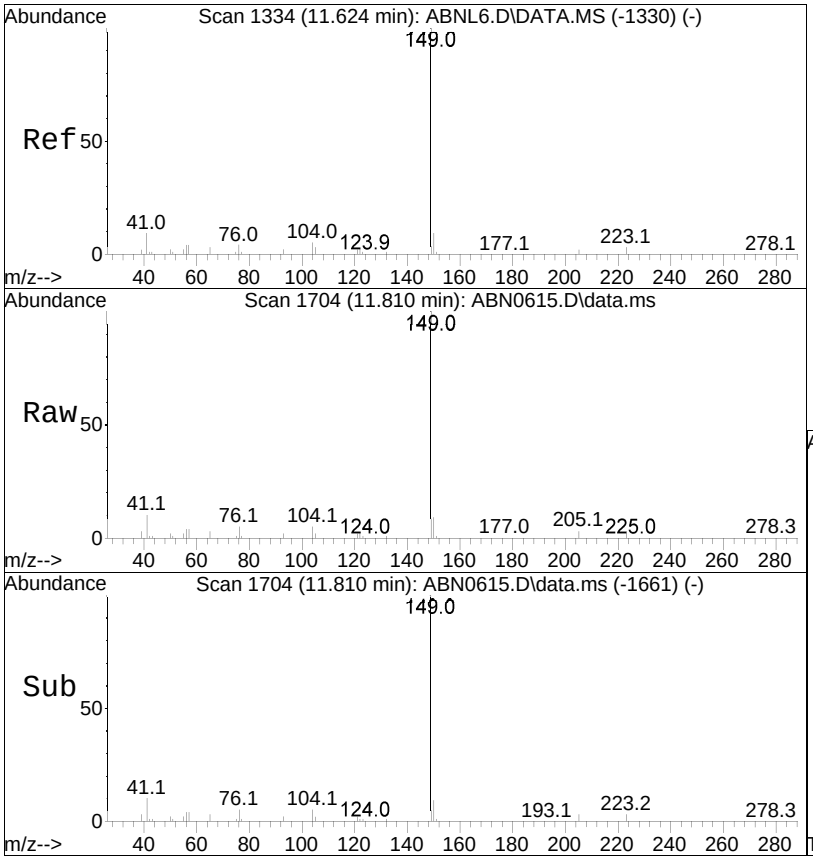


#91
Carbazole
Concen: 4.92 ug/ml
RT: 11.421 min Scan# 1638
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:167 Resp: 281264

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.6	15.8
166	22.4	17.4	26.0

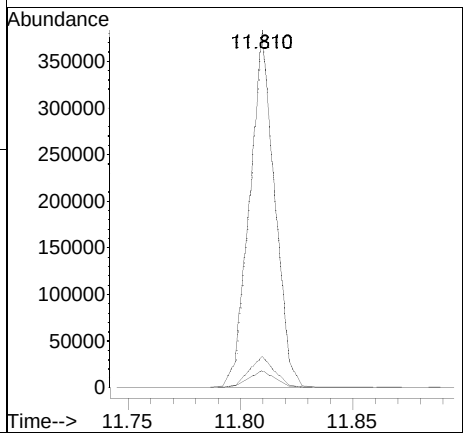


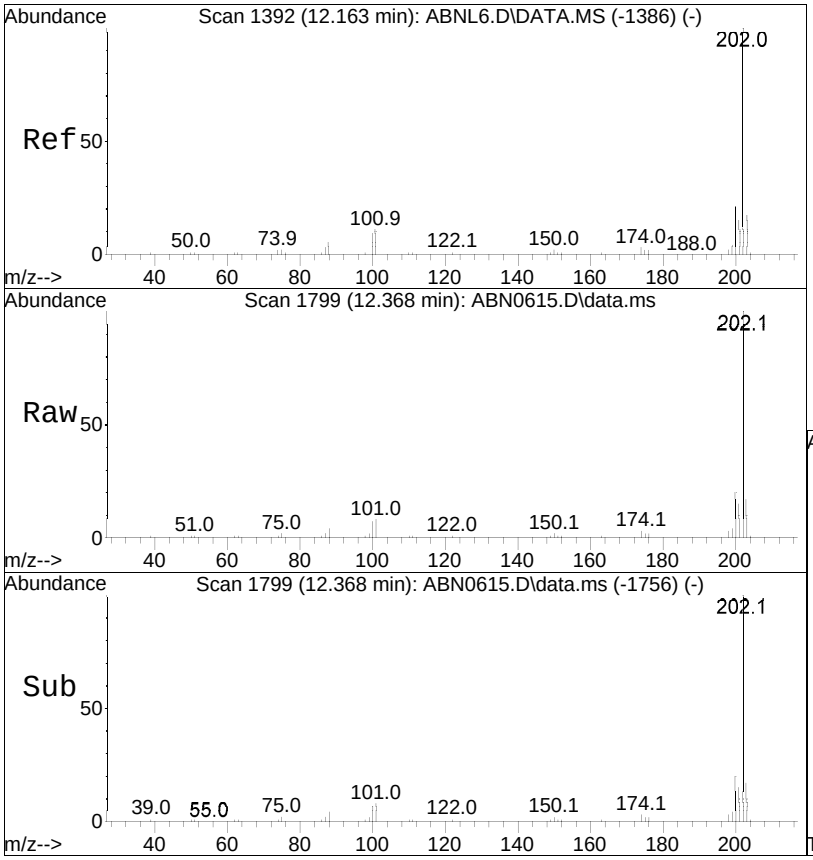


#92
Di-n-butylphthalate
Concen: 4.50 ug/ml
RT: 11.810 min Scan# 1704
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:149 Resp: 291031

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	5.0	4.5	6.7

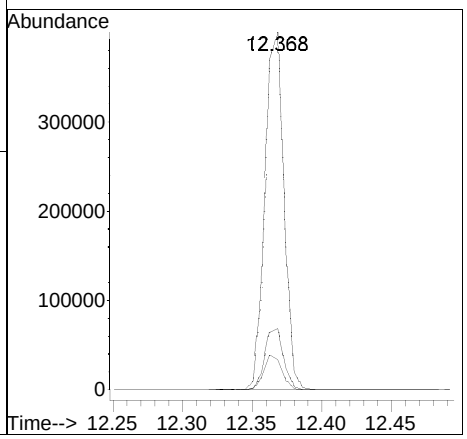


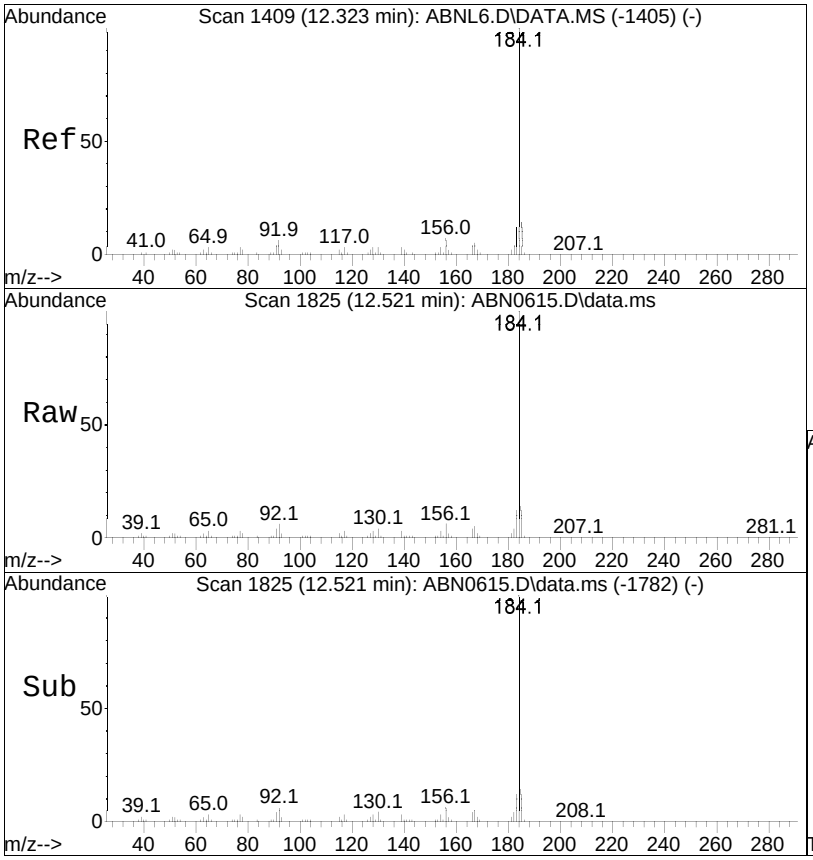


#93
Fluoranthene
Concen: 4.98 ug/ml
RT: 12.368 min Scan# 1799
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:202 Resp: 373846

Ion	Ratio	Lower	Upper
202	100		
101	9.4	13.5	20.3#
203	17.2	13.6	20.4

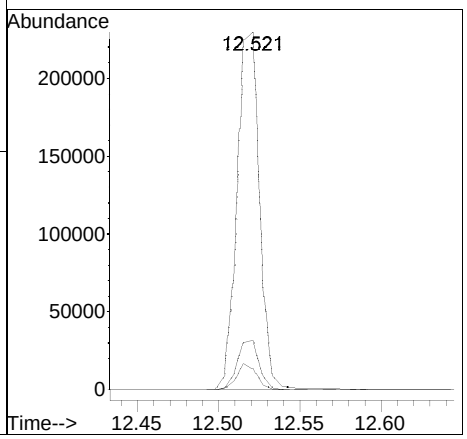


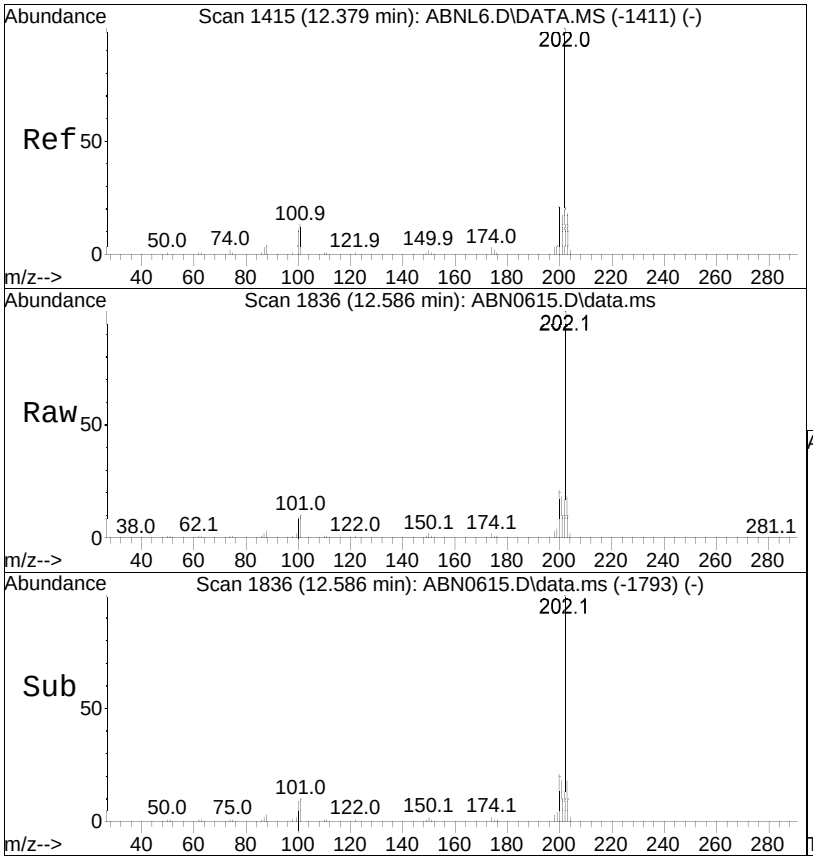


#94
Benzidine
Concen: 5.37 ug/ml
RT: 12.521 min Scan# 1825
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:184 Resp: 218696

Ion	Ratio	Lower	Upper
184	100		
92	6.6	9.1	13.7#
185	13.6	11.1	16.7

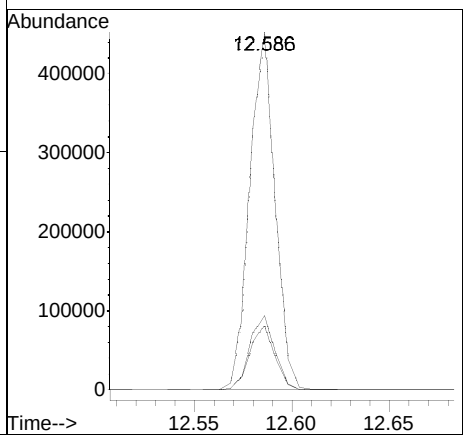


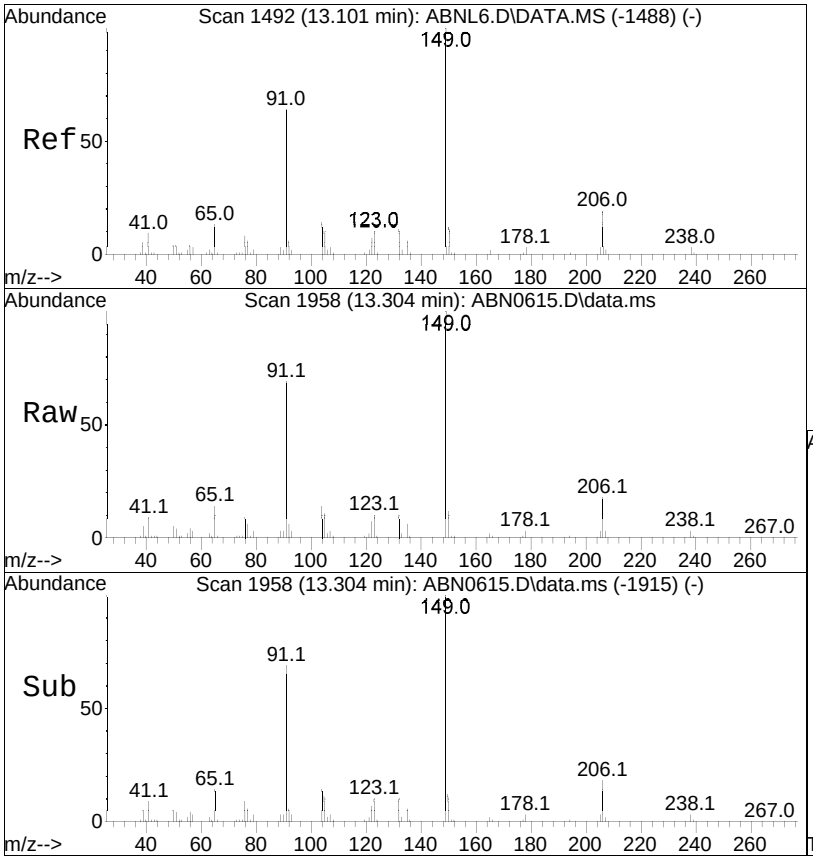


#95
Pyrene
Concen: 5.13 ug/ml
RT: 12.586 min Scan# 1836
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:202 Resp: 403180

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.9	14.2	21.4

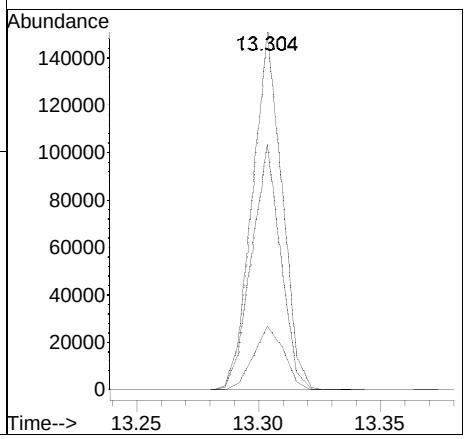


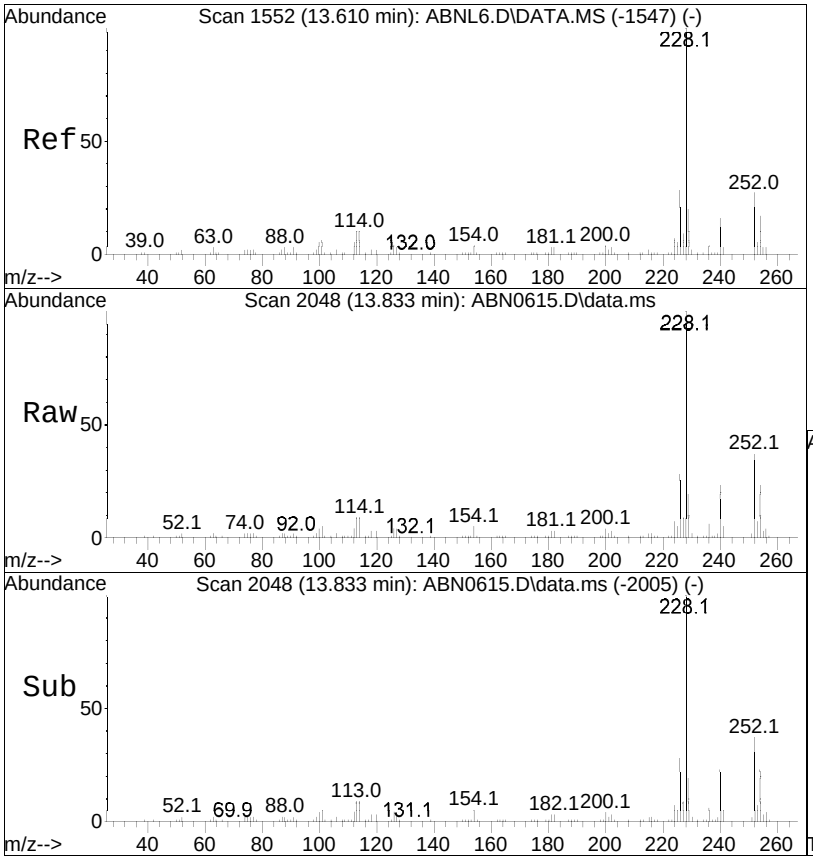


#97
Butyl benzyl phthalate
Concen: 4.33 ug/ml
RT: 13.304 min Scan# 1958
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:149 Resp: 126294

Ion	Ratio	Lower	Upper
149	100		
91	67.6	63.3	94.9
206	18.4	13.9	20.9

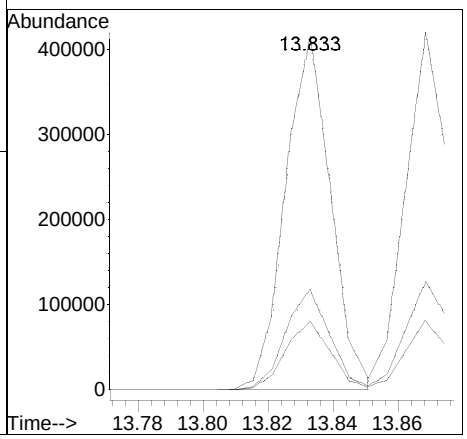


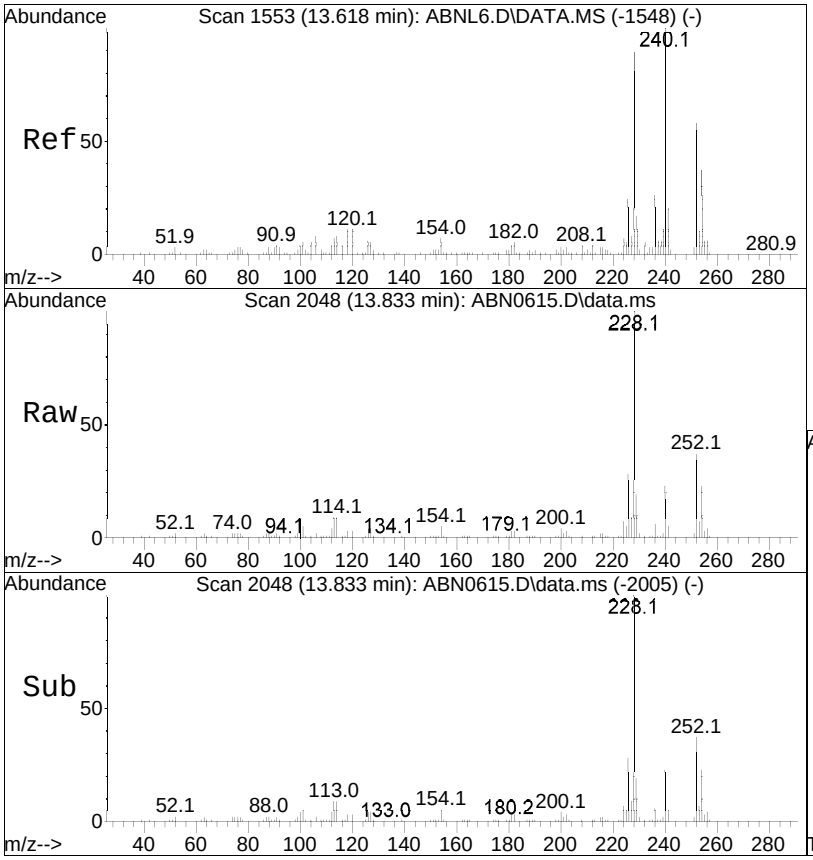


#105
Benzo(a)anthracene
Concen: 4.75 ug/ml
RT: 13.833 min Scan# 2048
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:228 Resp: 401578

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.2	33.4
229	19.3	15.6	23.4

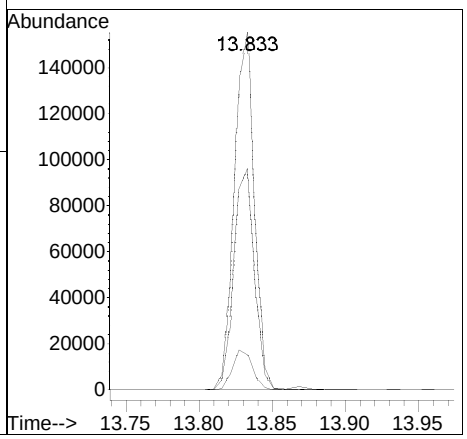


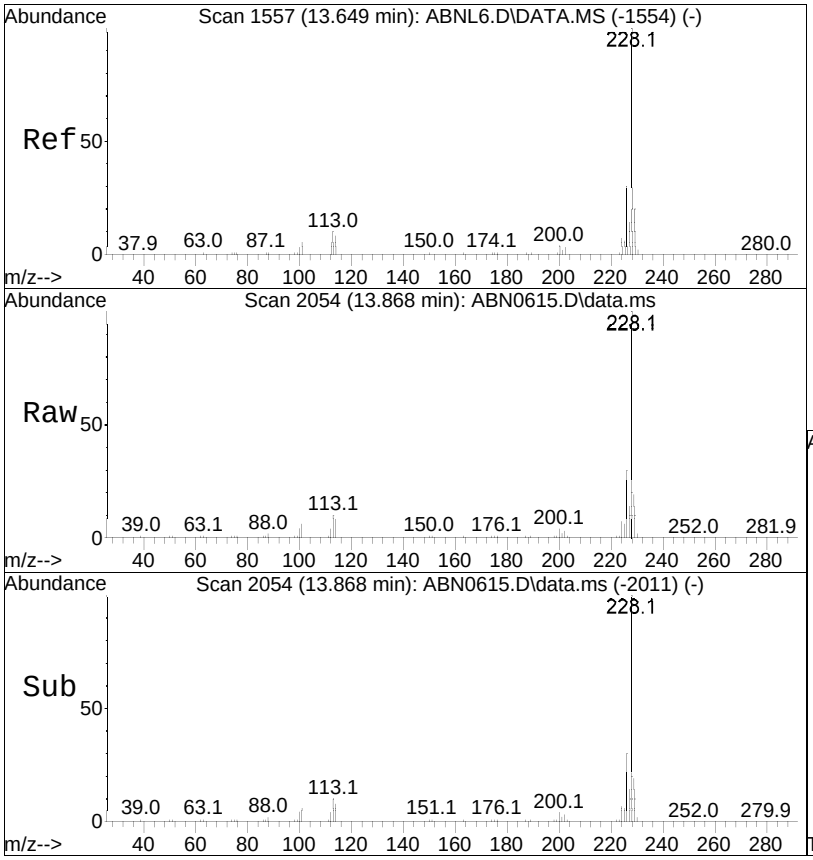


#106
3,3'-Dichlorobenzidine
Concen: 5.20 ug/ml
RT: 13.833 min Scan# 2048
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:252 Resp: 147726

Ion	Ratio	Lower	Upper
252	100		
126	11.4	14.5	21.7#
254	63.2	51.2	76.8

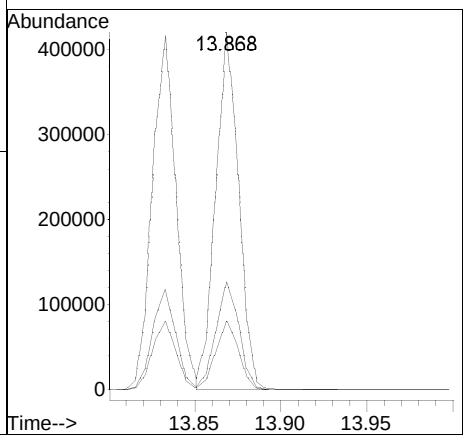


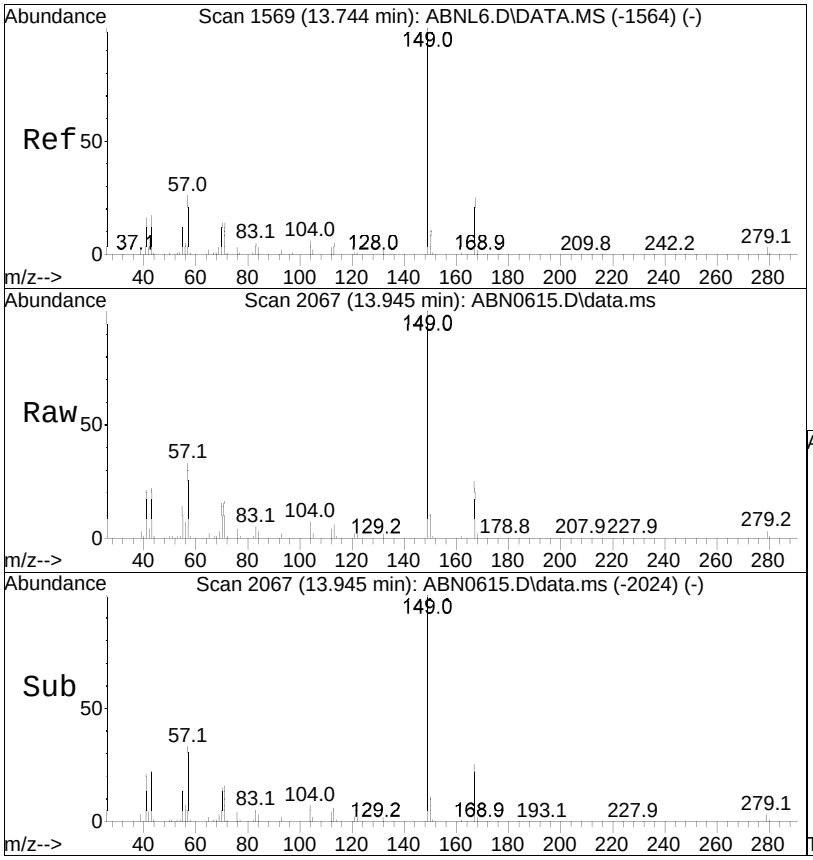


#107
Chrysene
Concen: 4.65 ug/ml
RT: 13.868 min Scan# 2054
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:228 Resp: 389927

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	19.2	15.8	23.8

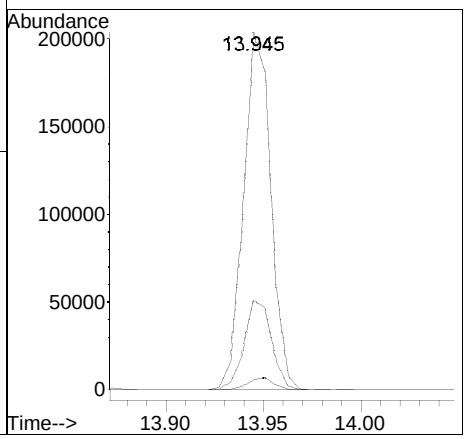


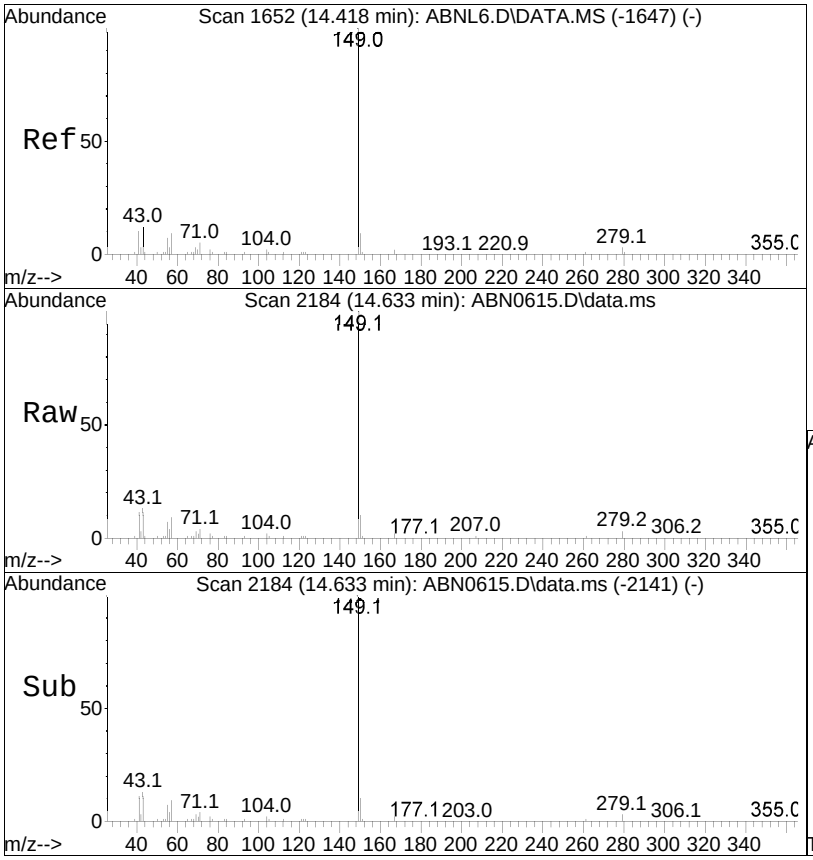


#108
Bis(2-ethylhexyl)phthalate
Concen: 4.12 ug/ml
RT: 13.945 min Scan# 2067
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:149 Resp: 196069

Ion	Ratio	Lower	Upper
149	100		
167	25.3	22.1	33.1
279	3.2	3.0	4.4

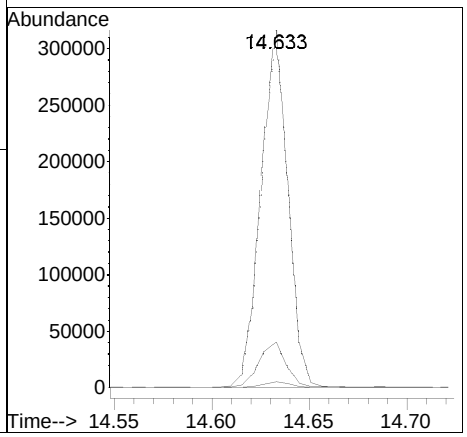


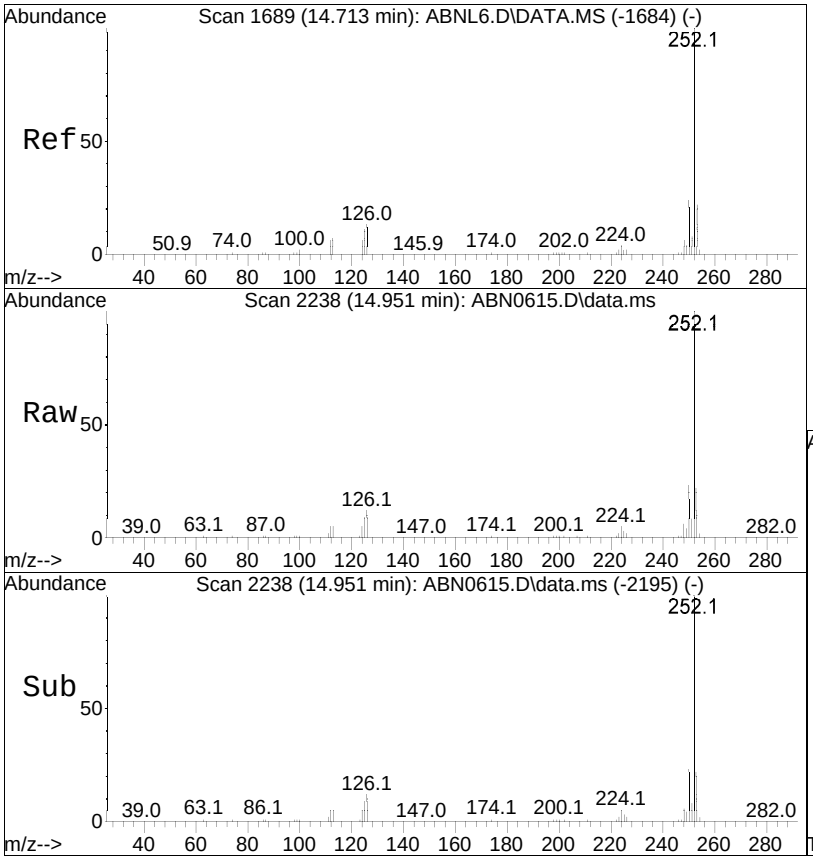


#109
Di-n-octylphthalate
Concen: 3.80 ug/ml
RT: 14.633 min Scan# 2184
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:149 Resp: 299582

Ion	Ratio	Lower	Upper
149	100		
43	13.1	18.8	28.2#
167	1.4	1.3	1.9

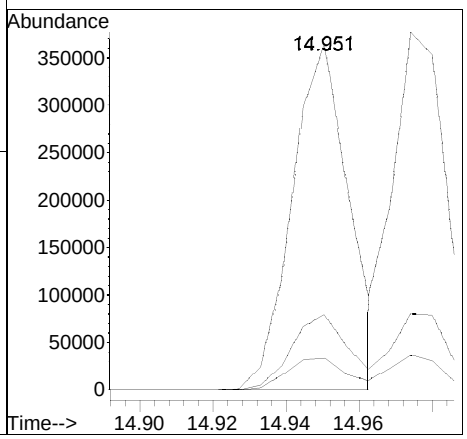


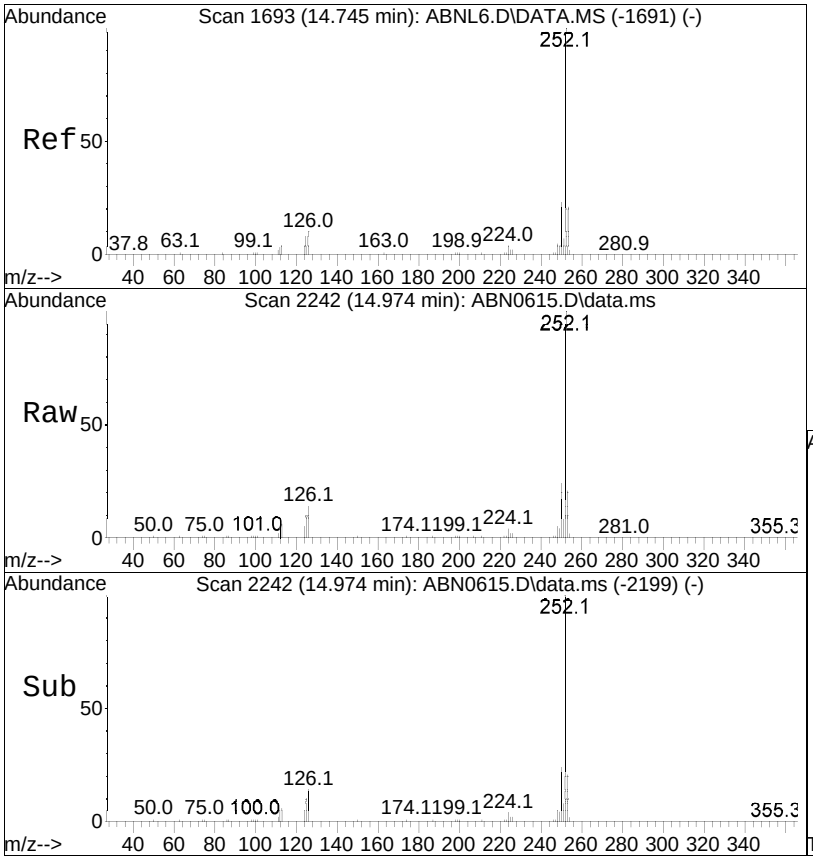


#110
Benzo(b)fluoranthene
Concen: 4.55 ug/ml
RT: 14.951 min Scan# 2238
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:252 Resp: 395807

Ion	Ratio	Lower	Upper
252	100		
125	9.8	13.3	19.9#
253	22.0	17.1	25.7

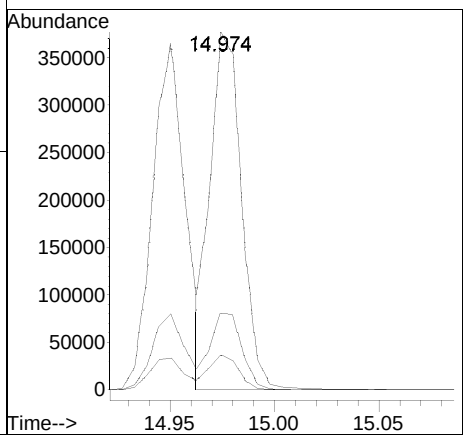


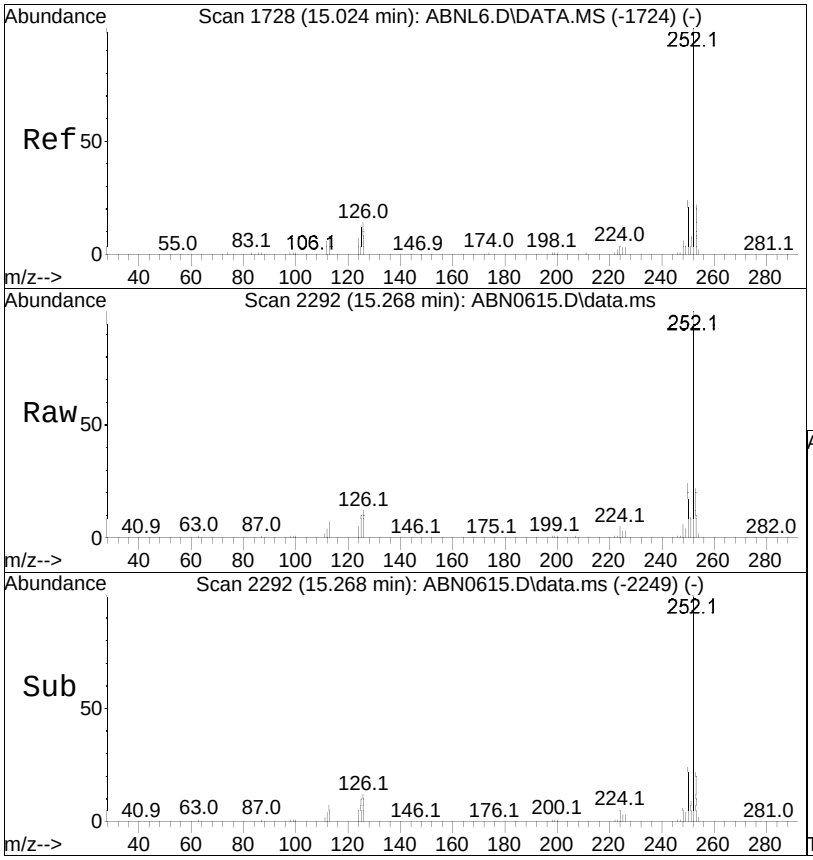


#111
Benzo(k)fluoranthene
Concen: 4.82 ug/ml
RT: 14.974 min Scan# 2242
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:252 Resp: 390220

Ion	Ratio	Lower	Upper
252	100		
125	9.3	13.0	19.6#
253	21.7	16.8	25.2

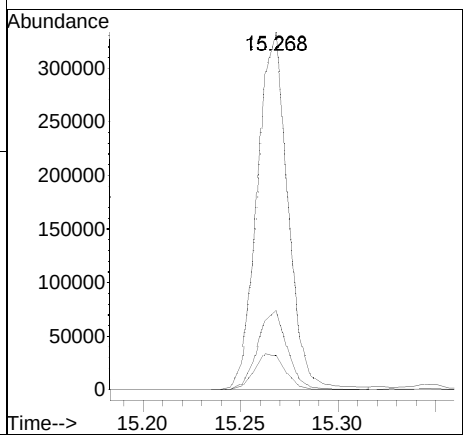


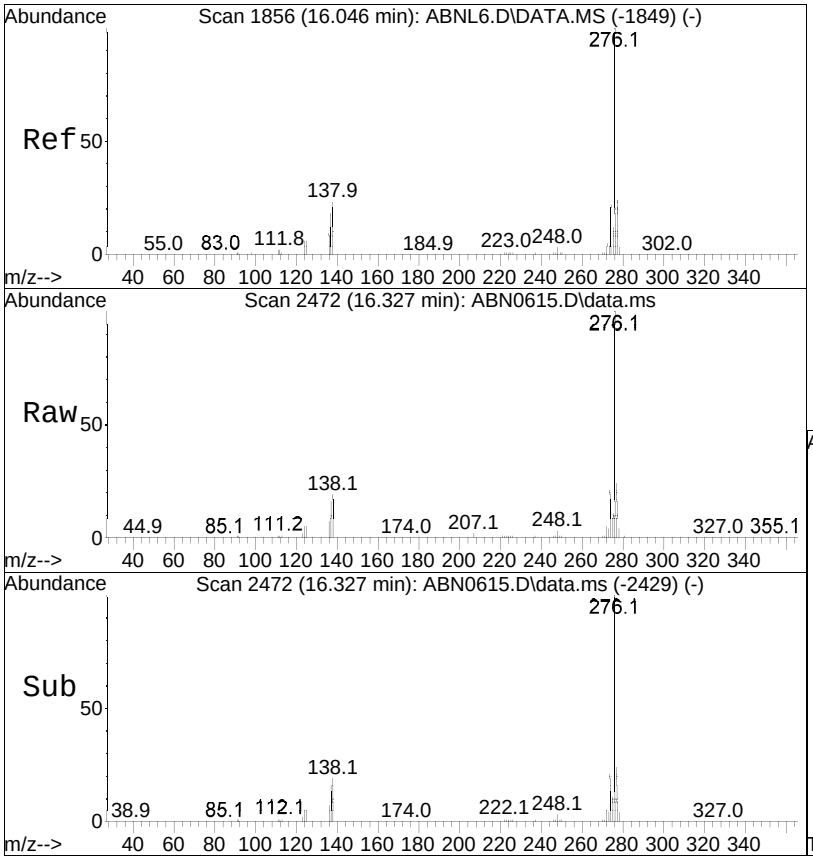


#112
Benzo(a)pyrene
Concen: 4.74 ug/ml
RT: 15.268 min Scan# 2292
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:252 Resp: 363087

Ion	Ratio	Lower	Upper
252	100		
125	10.4	14.2	21.2#
253	21.7	16.9	25.3

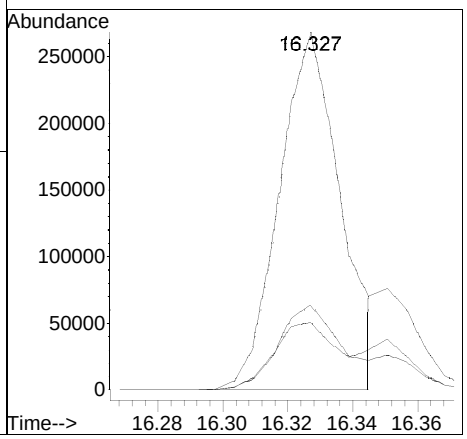


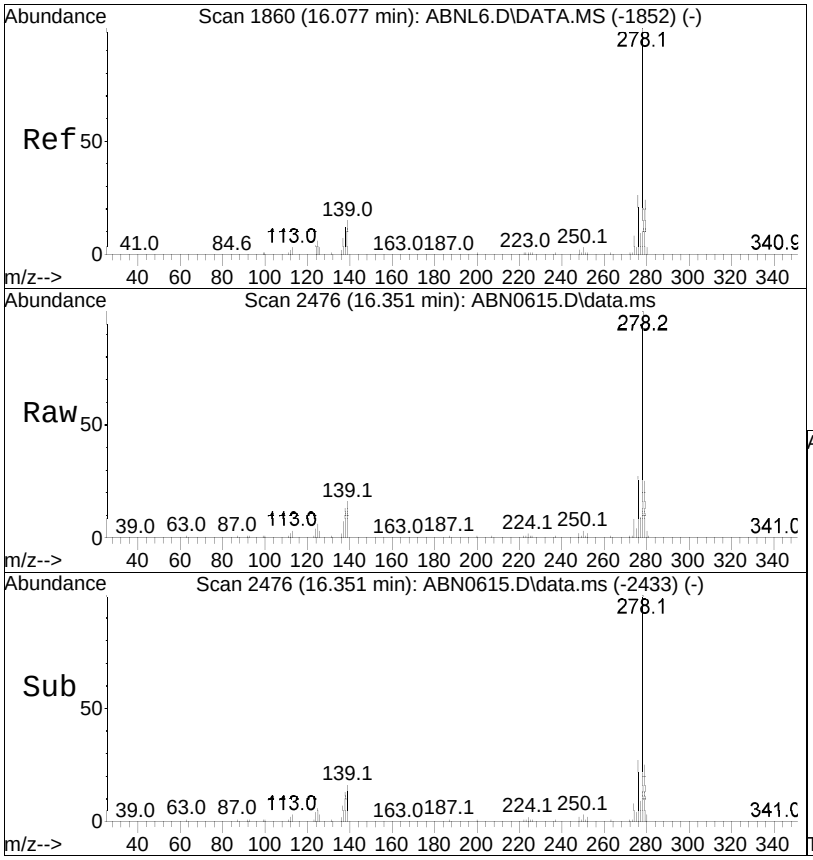


#114
Indeno(1,2,3-cd)pyrene
Concen: 4.90 ug/mL M6
RT: 16.327 min Scan# 2472
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:276 Resp: 352717

Ion	Ratio	Lower	Upper
276	100		
138	19.6	25.1	37.7#
277	31.1	18.6	28.0#

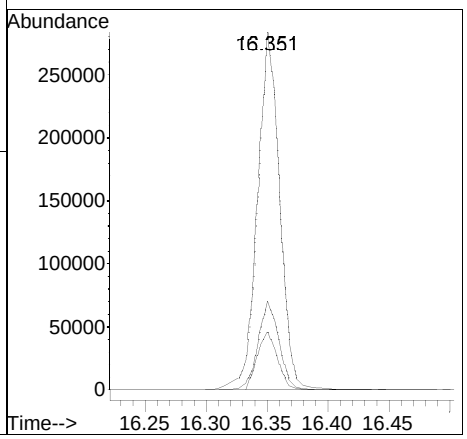


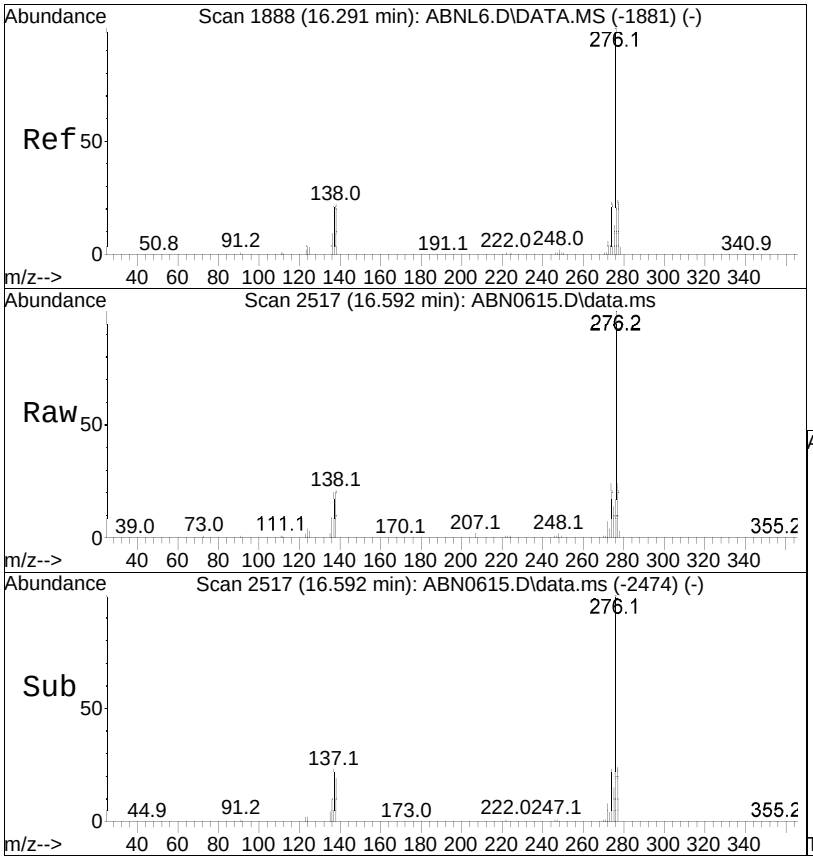


#115
Dibenzo(a,h)anthracene
Concen: 4.95 ug/ml
RT: 16.351 min Scan# 2476
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:278 Resp: 354825

Ion	Ratio	Lower	Upper
278	100		
139	14.9	20.8	31.2#
279	23.7	18.3	27.5

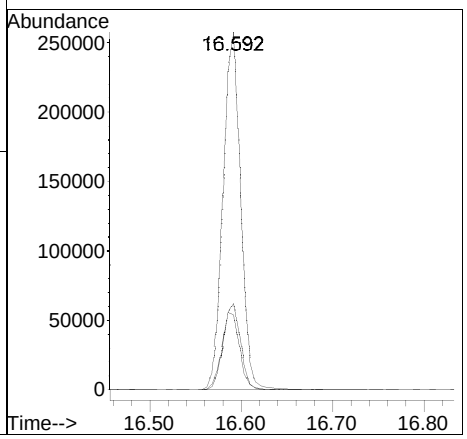




#116
Benzo(ghi)perylene
Concen: 4.83 ug/ml
RT: 16.592 min Scan# 2517
Delta R.T. 0.000 min
Lab File: ABN0615.D
Acq: 15 Jun 2025 7:00 pm

Tgt Ion:276 Resp: 341307

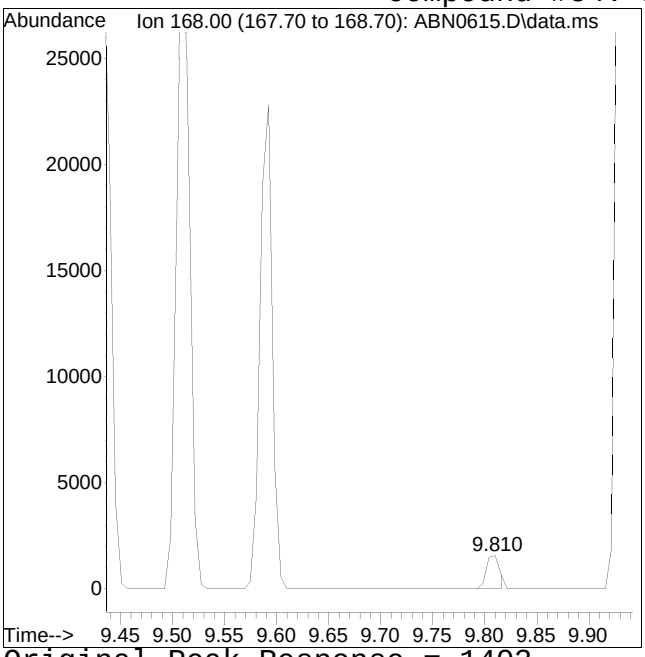
Ion	Ratio	Lower	Upper
276	100		
138	22.2	29.2	43.8#
277	24.0	18.8	28.2



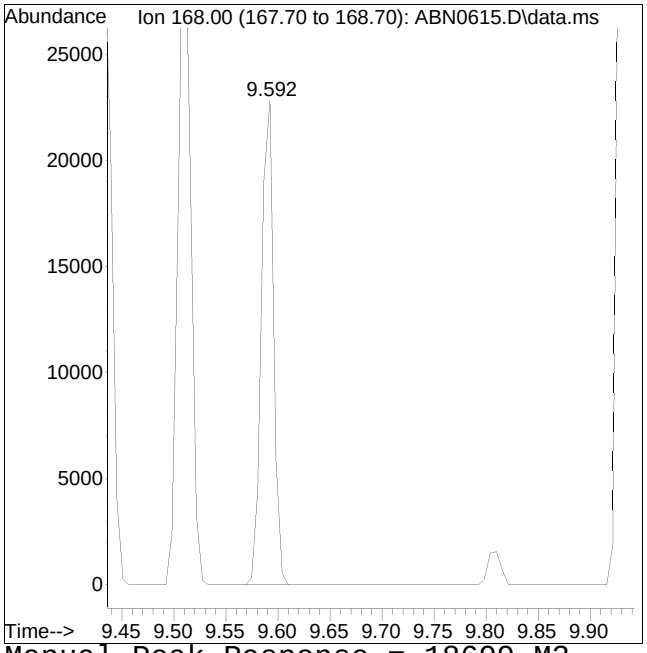
Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : ABN0615.D Operator : SV106:slr
Date Inj'd : 6/15/2025 7:00 pm Instrument : SV 106
Sample : WG2078811-3,32,,ABN RVT CCQuant Date : 6/15/2025 7:59 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 1403



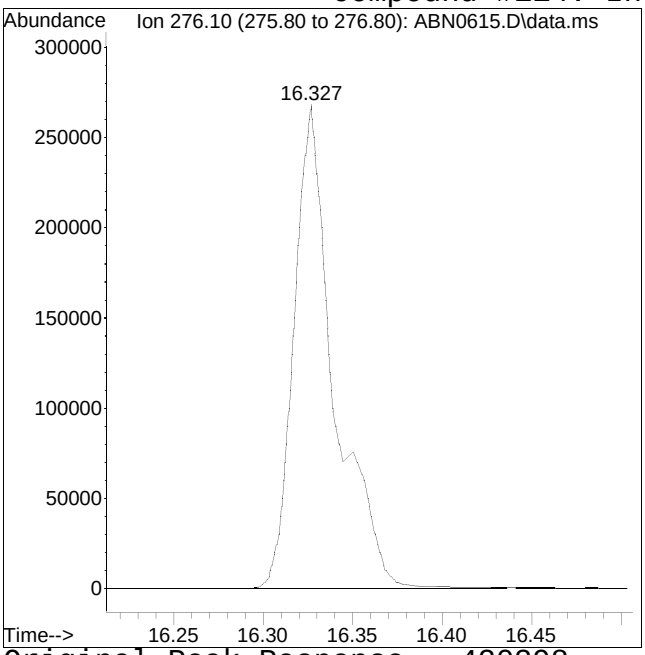
Manual Peak Response = 18699 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

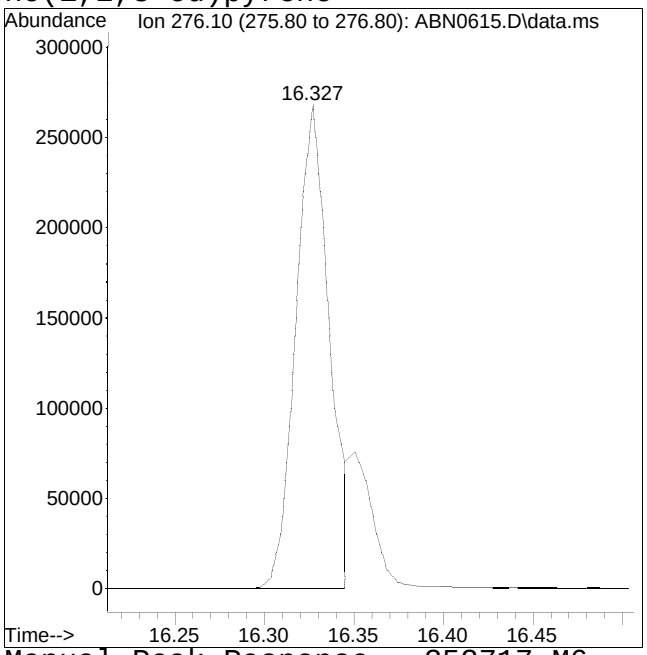
Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : ABN0615.D Operator : SV106:slr
Date Inj'd : 6/15/2025 7:00 pm Instrument : SV 106
Sample : WG2078811-3,32,,ABN RVT CCQuant Date : 6/15/2025 7:59 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 420398



Manual Peak Response = 352717 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250615RVT\
Data File : AP90615.D
Acq On : 15 Jun 2025 7:24 pm
Operator : SV106:slr
Sample : WG2078811-4,32,,AP9 RVT CCV Lot # 11482
Misc : WG2078811,,ical22075
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Jun 15 20:01:24 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:02:08 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
27	I	IS2_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	94	0.00
28	T	Benzaldehyde		0.954	0.838	12.2	83	0.00
29	T	Acetophenone		1.646	1.564	5.0	88	0.00
30	T	m-Toluidine		1.514	1.445	4.6	87	0.00
31	T	2-Chloroaniline		1.481	1.405	5.1	90	0.00
55	I	IS2_Naphthalene-d8		1.000	1.000	0.0	86	0.00
56	T	a-Terpineol		0.275	0.293	-6.5	93	0.00
57	T	3-Chloroaniline		0.139	0.147	-5.8	91	0.00
58	T	2,6-Dichlorophenol		0.270	0.282	-4.4	92	0.00
59	T	1-chloro-2-nitrobenzene		0.108	0.126	-16.7	105	0.00
60	T	Caprolactam		0.165	0.147	10.9	86	0.00
61	T	1,2,4,5-Tetrachlorobenzene		0.401	0.389	3.0	88	0.00
62	T	Biphenyl		0.885	0.832	6.0	85	0.00
83	I	IS2_Acenaphthene-d10		1.000	1.000	0.0	82	0.00
84	T	Dichloran	*	5.000	5.920	-18.4	108	0.00
85	T	Pentachloronitrobenzene		0.144	0.154	-6.9	96	0.00
98	I	IS2_Phenanthrene-d10		1.000	1.000	0.0	82	0.00
99	T	Diphenamid		0.413	0.410	0.7	79	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : AP90615.D
Acq On : 15 Jun 2025 7:24 pm
Operator : SV106:slr
Sample : WG2078811-4,32,,AP9 RVT CCV Lot # 11482
Misc : WG2078811,,ical22075
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Jun 15 20:01:24 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:02:08 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
27) IS2_1,4-Dichlorobenzen...	6.551	152	52990	4.000	ug/ml		0.00
55) IS2_Naphthalene-d8	7.969	136	183489	4.000	ug/ml	#	0.00
83) IS2_Acenaphthene-d10	9.733	164	107792	4.000	ug/ml		0.00
98) IS2_Phenanthrene-d10	11.180	188	218249	4.000	ug/ml		0.00
System Monitoring Compounds							
Target Compounds							Qvalue
28) Benzaldehyde	5.986	105	55486	4.391	ug/ml		95
29) Acetophenone	7.045	105	103595	4.752	ug/ml	#	91
30) m-Toluidine	7.139	106	95742	4.773	ug/ml		93
31) 2-Chloroaniline	7.545	127	93043	4.743	ug/ml		94
56) a-Terpineol	8.039	59	67225	5.333	ug/ml		94
57) 3-Chloroaniline	8.051	65	33801	5.284	ug/ml		77
58) 2,6-Dichlorophenol	8.080	162	64591	5.214	ug/ml		91
59) 1-chloro-2-nitrobenzene	8.345	111	28938	5.842	ug/ml	#	1
60) Caprolactam	8.386	55	33705	4.464	ug/ml	#	89
61) 1,2,4,5-Tetrachloroben...	8.880	216	89209	4.844	ug/ml		98
62) Biphenyl	9.186	154	190808	4.698	ug/ml		100
84) Dichloran	10.874	206	18911	5.920	ug/ml	#	64
85) Pentachloronitrobenzene	11.027	237	20803	5.365	ug/ml	#	82
99) Diphenamid	12.092	167	111730	4.961	ug/ml	#	77

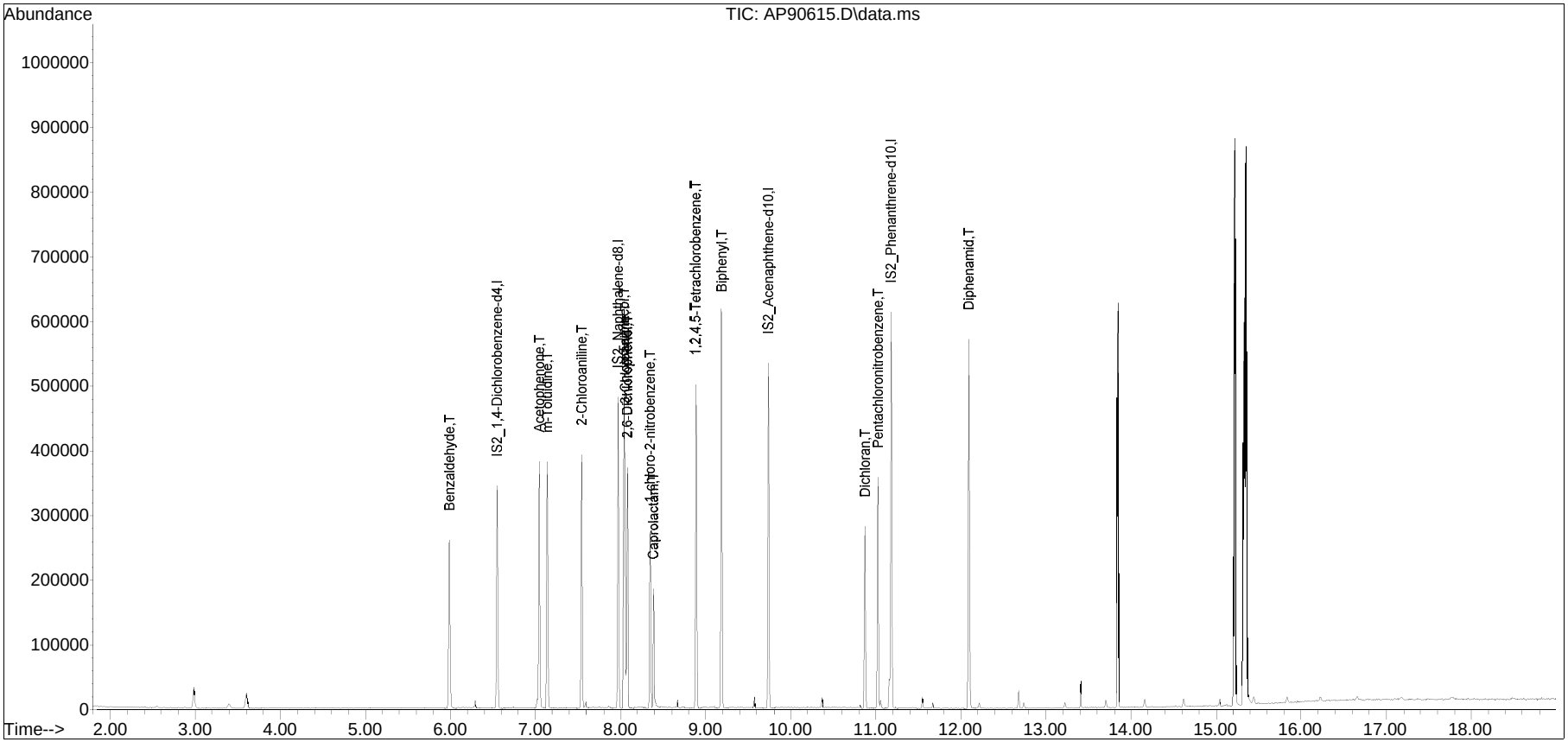
(#) = qualifier out of range (m) = manual integration (+) = signals summed

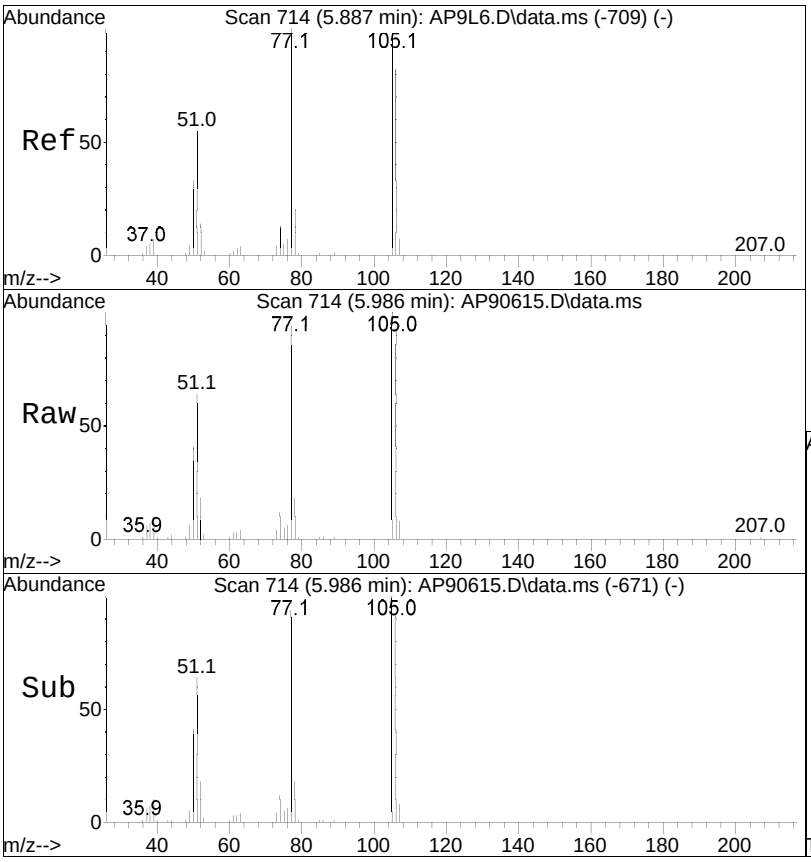
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : AP90615.D
Acq On : 15 Jun 2025 7:24 pm
Operator : SV106:slr
Sample : WG2078811-4,32,,AP9 RVT CCV Lot # 11482
Misc : WG2078811,,ical22075
ALS Vial : 143 Sample Multiplier: 1

Quant Time: Jun 15 20:01:24 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:02:08 2025
Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

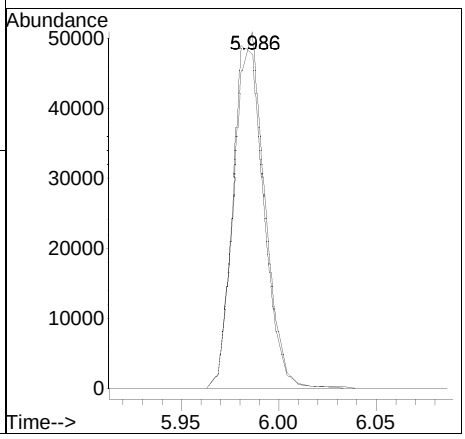


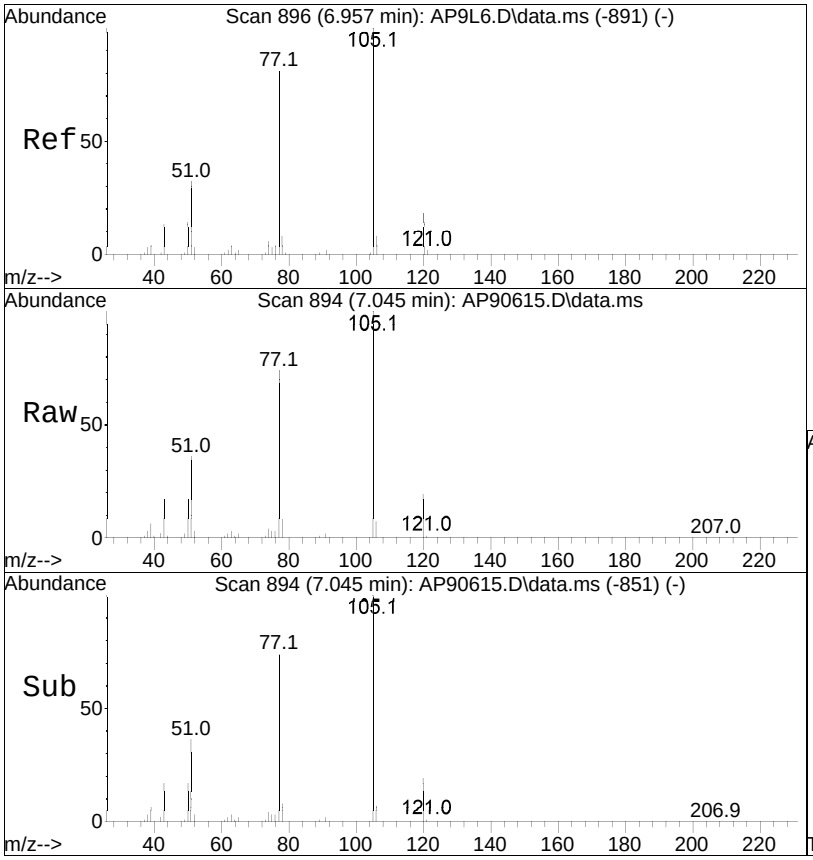


#28
Benzaldehyde
Concen: 4.39 ug/ml
RT: 5.986 min Scan# 714
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:105 Resp: 55486

Ion	Ratio	Lower	Upper
105	100		
77	97.9	82.2	123.4

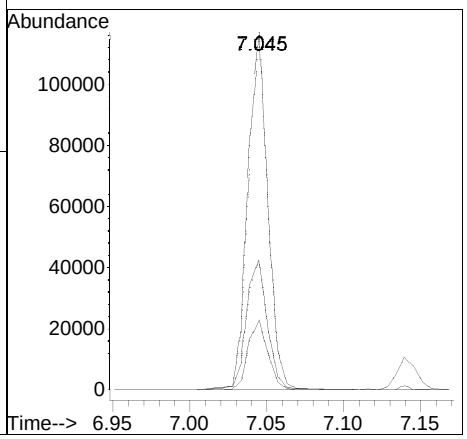


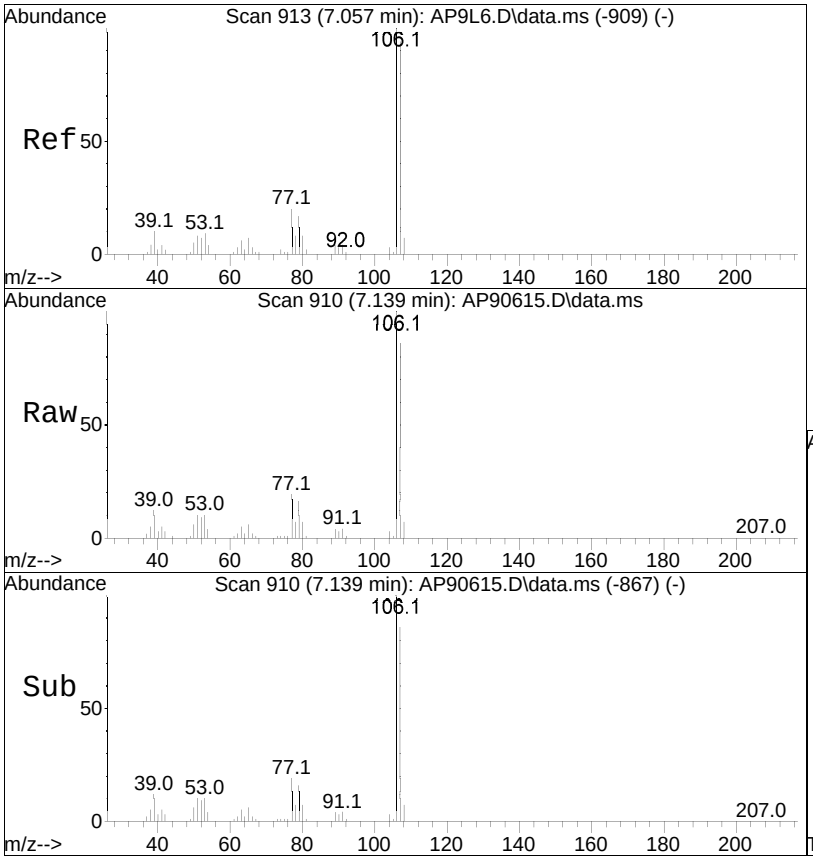


#29
Acetophenone
Concen: 4.75 ug/ml
RT: 7.045 min Scan# 894
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:105 Resp: 103595

Ion	Ratio	Lower	Upper
105	100		
120	19.5	20.5	30.7#
51	39.0	34.9	52.3

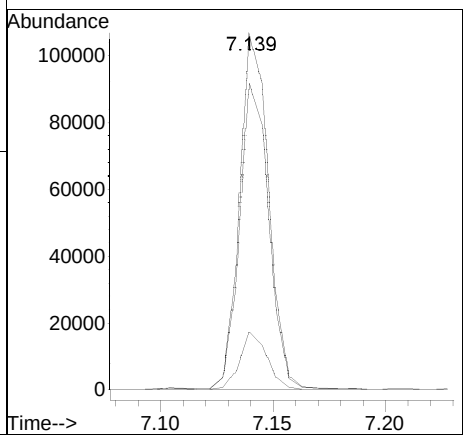


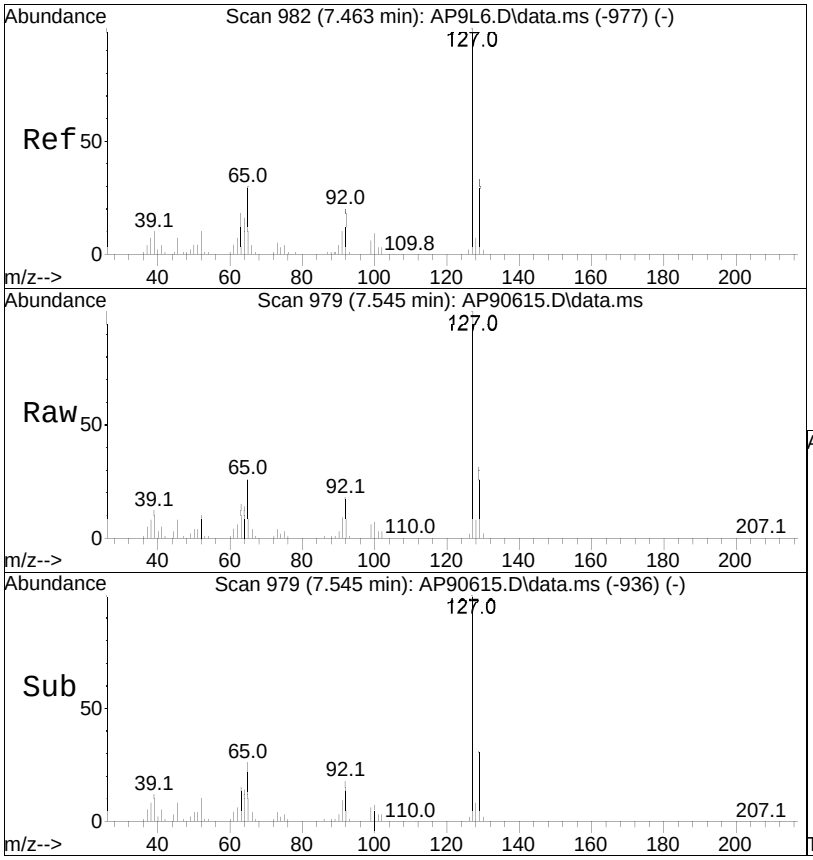


#30
m-Toluidine
Concen: 4.77 ug/ml
RT: 7.139 min Scan# 910
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:106 Resp: 95742

Ion	Ratio	Lower	Upper
106	100		
107	86.6	75.7	113.5
79	15.1	11.8	17.8

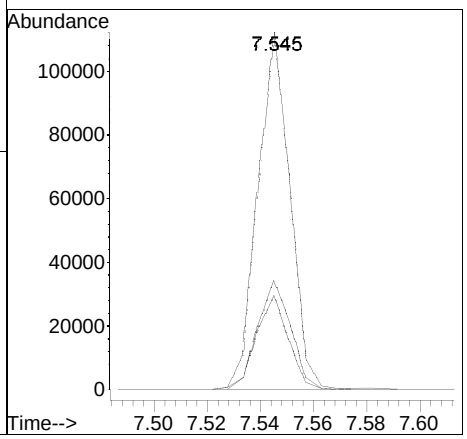


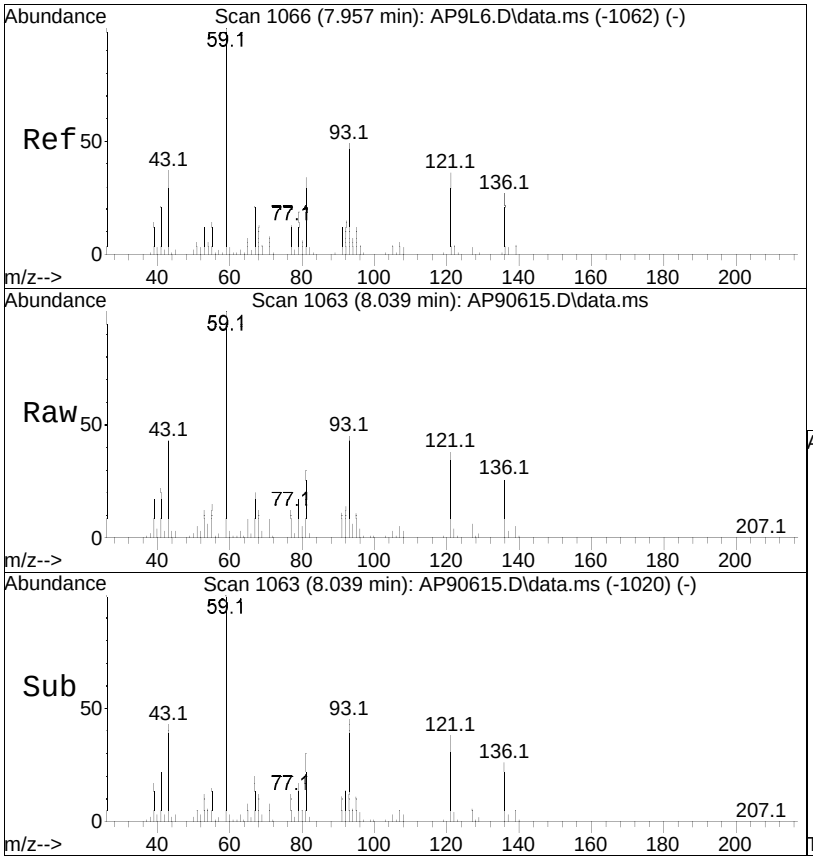


#31
2-Chloroaniline
Concen: 4.74 ug/ml
RT: 7.545 min Scan# 979
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:127 Resp: 93043

Ion	Ratio	Lower	Upper
127	100		
129	31.6	25.9	38.9
65	26.5	26.3	39.5

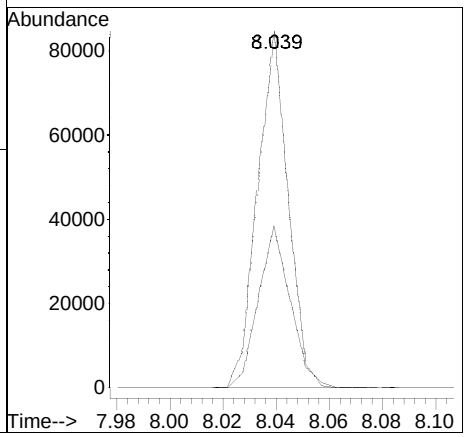


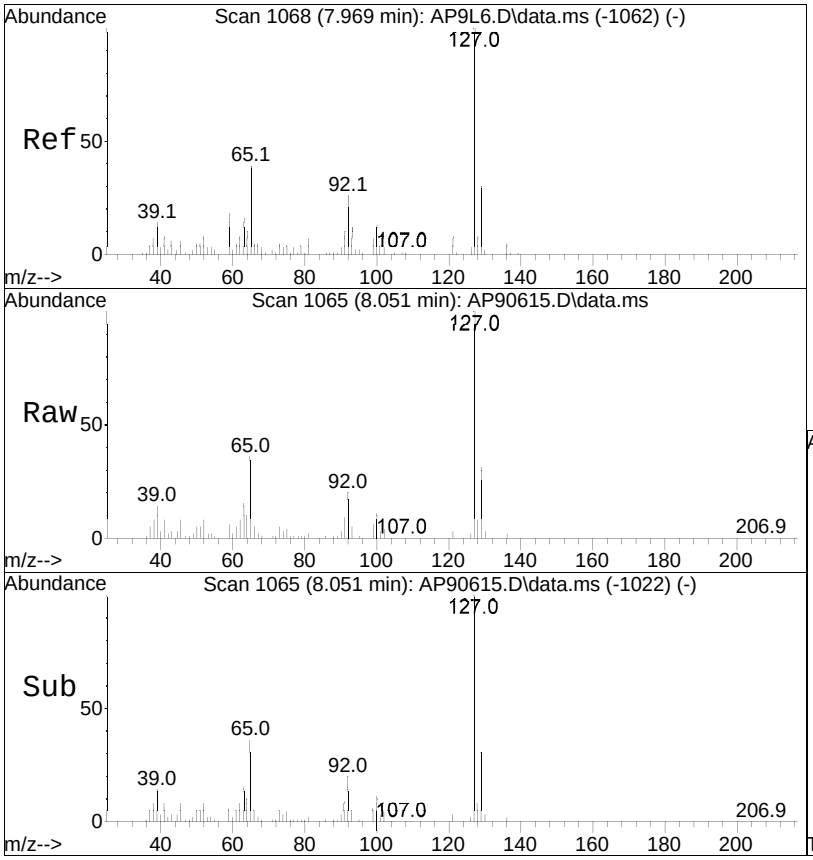


#56
a-Terpineol
Concen: 5.33 ug/ml
RT: 8.039 min Scan# 1063
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion: 59 Resp: 67225

Ion	Ratio	Lower	Upper
59	100		
93	48.4	35.6	53.4

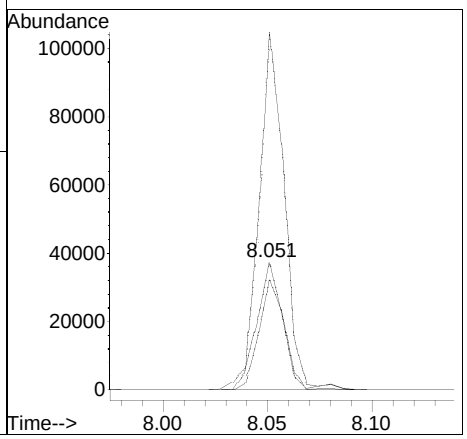


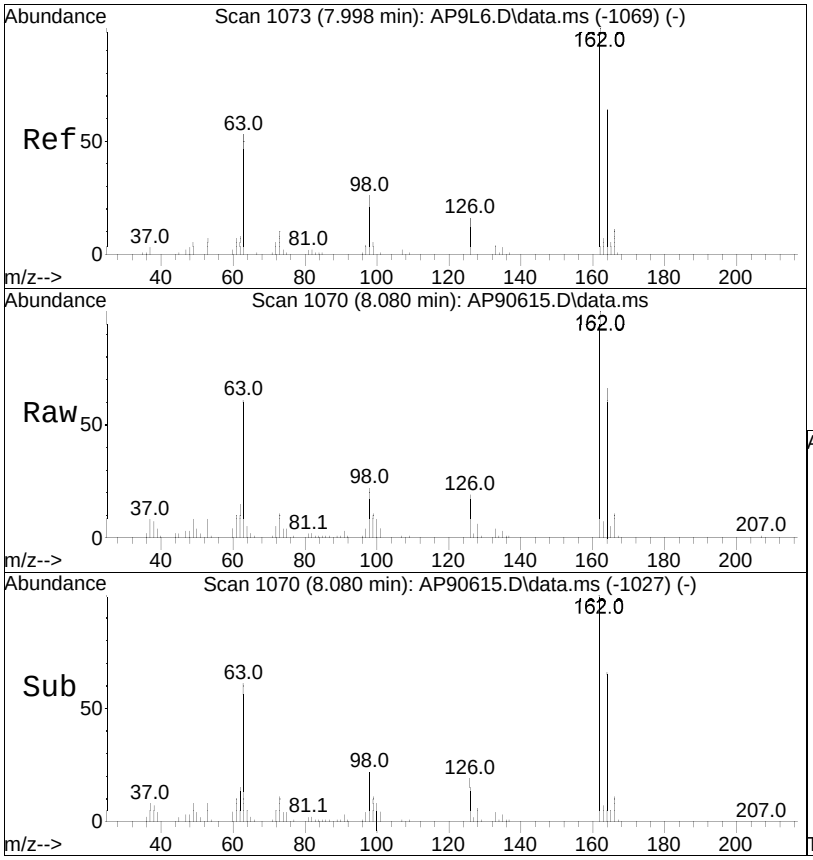


#57
3-Chloroaniline
Concen: 5.28 ug/ml
RT: 8.051 min Scan# 1065
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion: 65 Resp: 33801

Ion	Ratio	Lower	Upper
65	100		
127	254.0	243.2	364.8
129	81.8	78.8	118.2

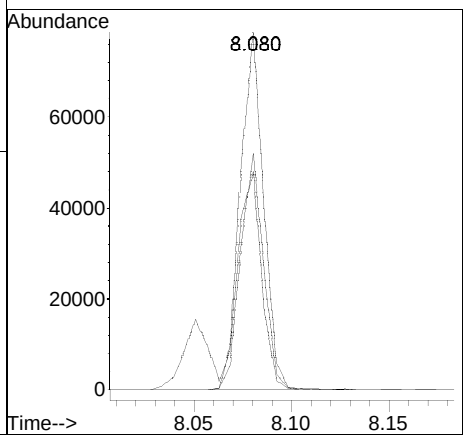


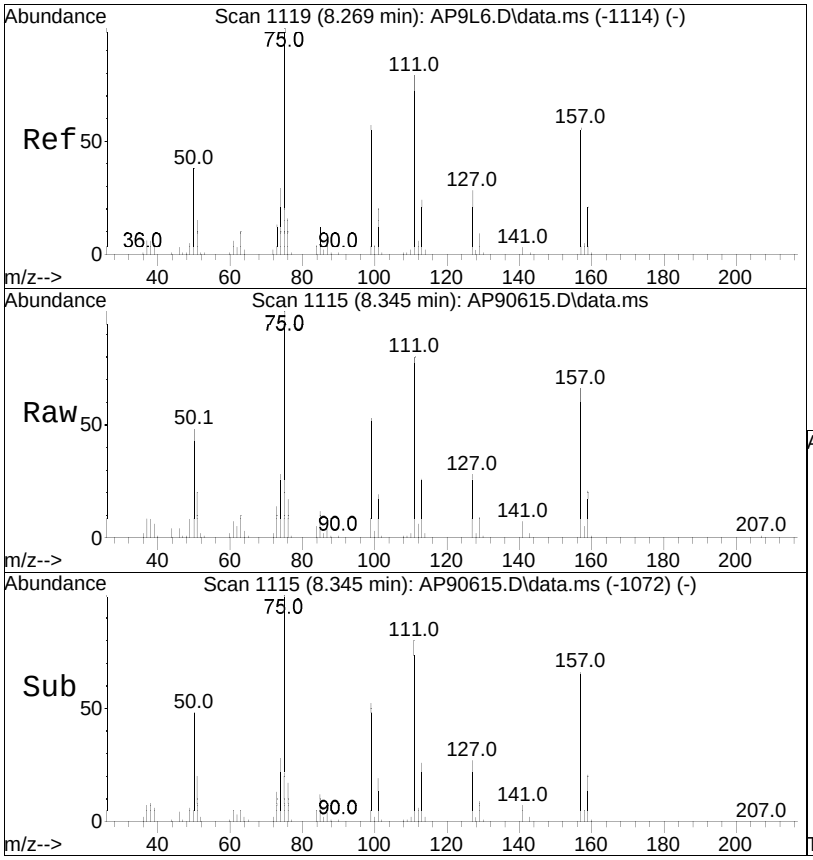


#58
2,6-Dichlorophenol
Concen: 5.21 ug/ml
RT: 8.080 min Scan# 1070
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:162 Resp: 64591

Ion	Ratio	Lower	Upper
162	100		
164	64.9	51.1	76.7
63	62.1	60.8	91.2

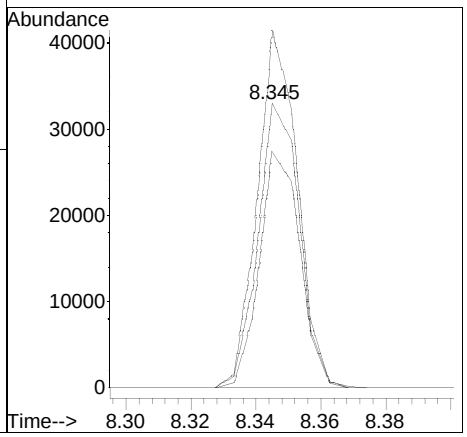


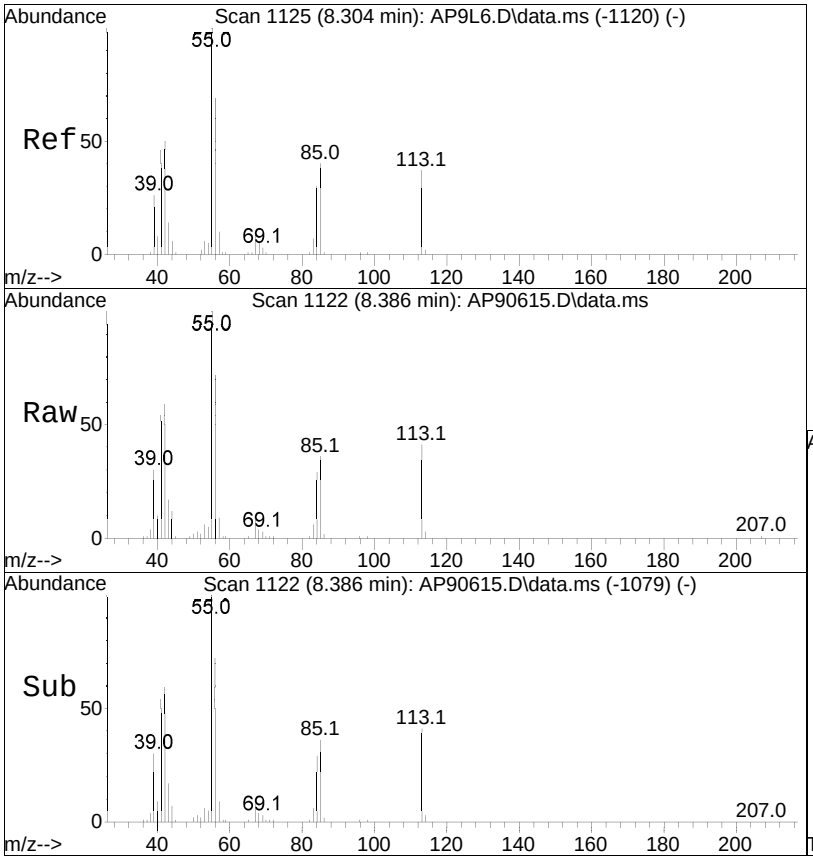


#59
1-chloro-2-nitrobenzene
Concen: 5.84 ug/ml
RT: 8.345 min Scan# 1115
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:111 Resp: 28938

Ion	Ratio	Lower	Upper
111	100		
157	81.5	0.0	0.0#
75	121.9	28.2	42.2#

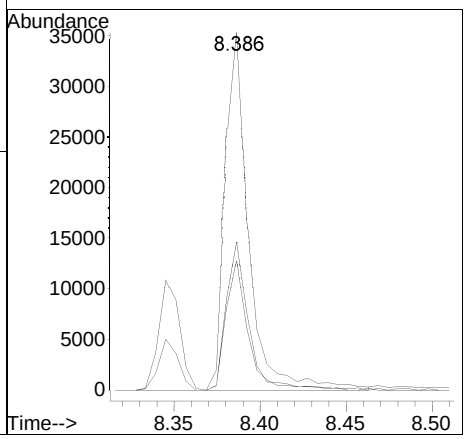


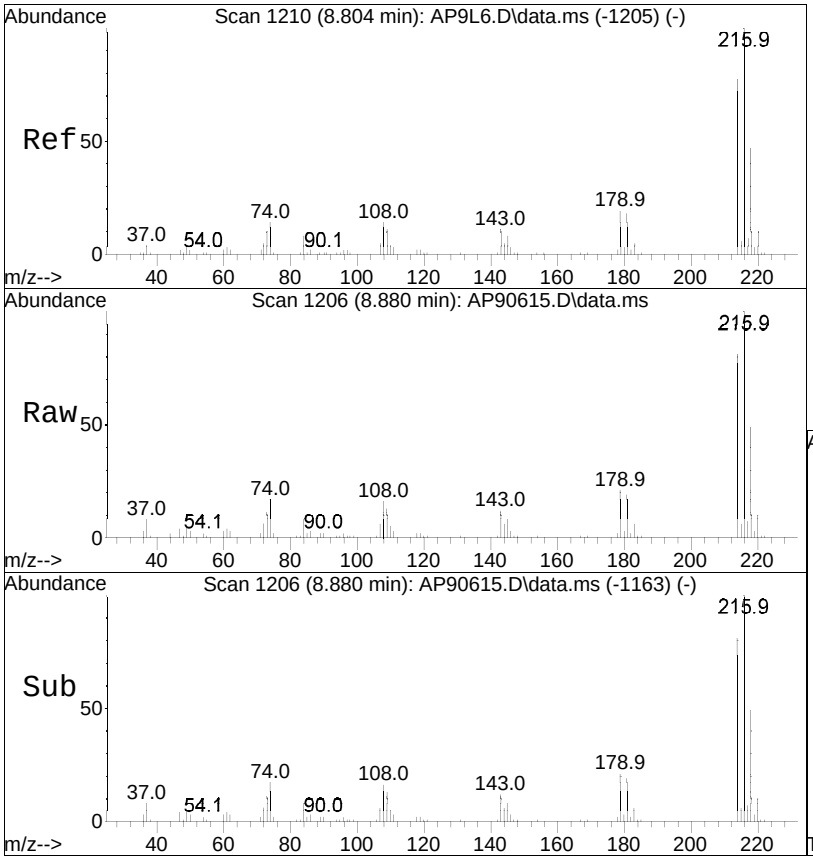


#60
Caprolactam
Concen: 4.46 ug/ml
RT: 8.386 min Scan# 1122
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion: 55 Resp: 33705

Ion	Ratio	Lower	Upper
55	100		
85	34.3	19.8	29.6#
113	40.1	29.6	44.4

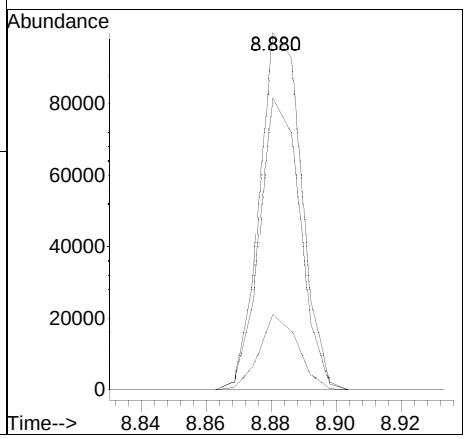


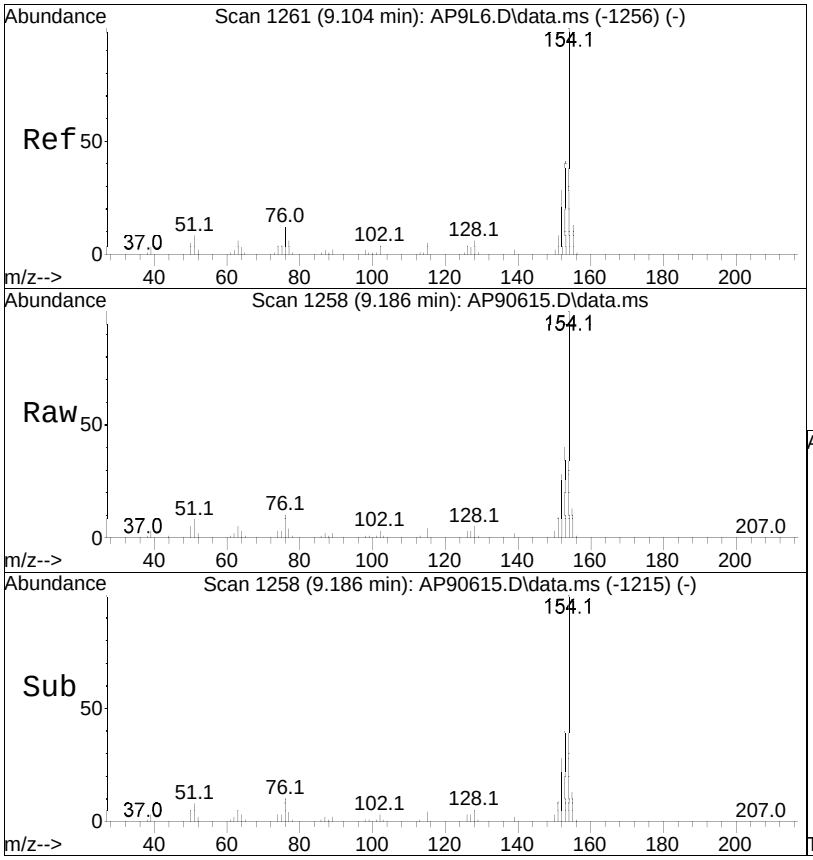


#61
1,2,4,5-Tetrachlorobenzene
Concen: 4.84 ug/ml
RT: 8.880 min Scan# 1206
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:216 Resp: 89209

Ion	Ratio	Lower	Upper
216	100		
214	79.3	63.7	95.5
179	19.6	19.0	28.6

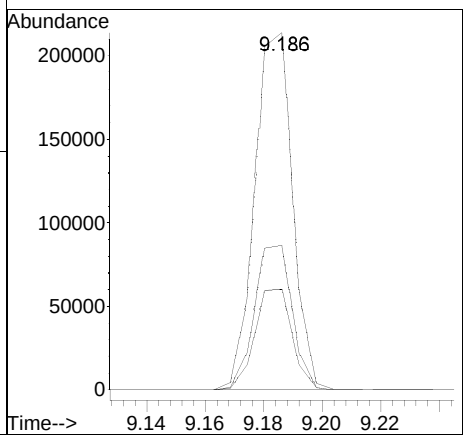


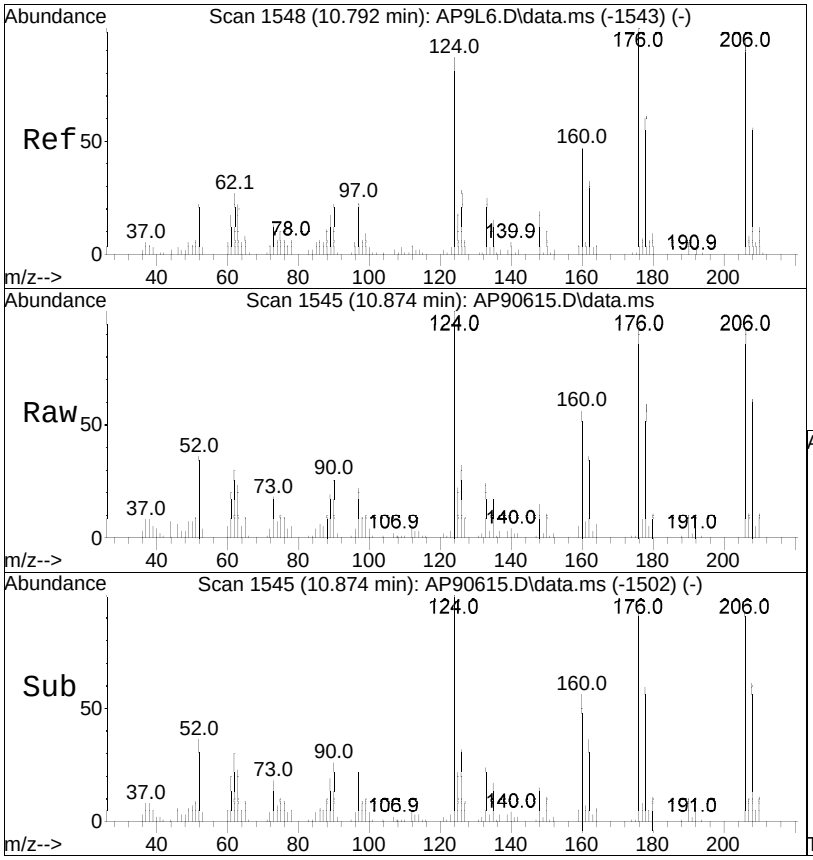


#62
Biphenyl
Concen: 4.70 ug/ml
RT: 9.186 min Scan# 1258
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:154 Resp: 190808

Ion	Ratio	Lower	Upper
154	100		
153	40.6	32.3	48.5
152	28.1	22.5	33.7

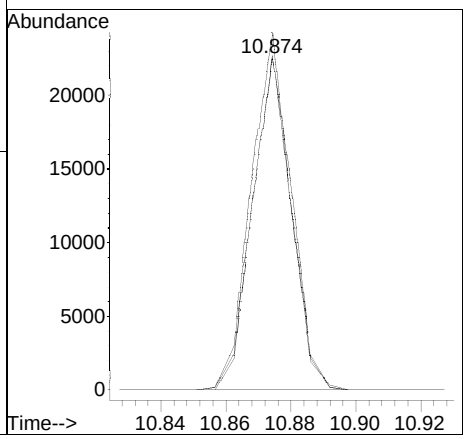


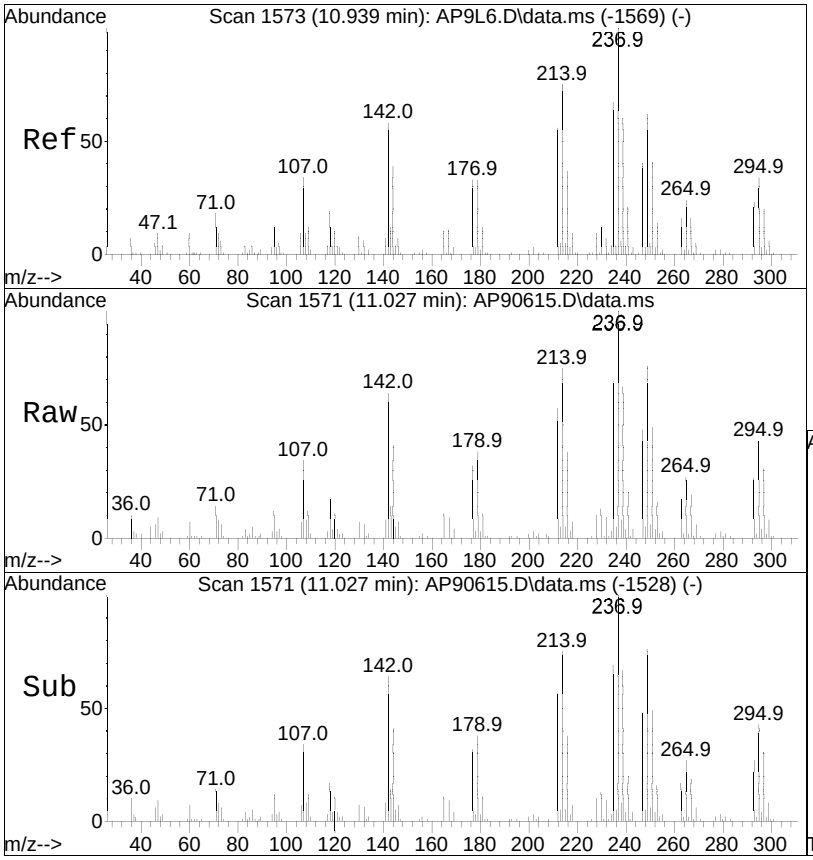


#84
Dichloran
Concen: 5.92 ug/ml
RT: 10.874 min Scan# 1545
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:206 Resp: 18911

Ion	Ratio	Lower	Upper
206	100		
176	98.9	104.6	157.0#
124	105.9	130.5	195.7#

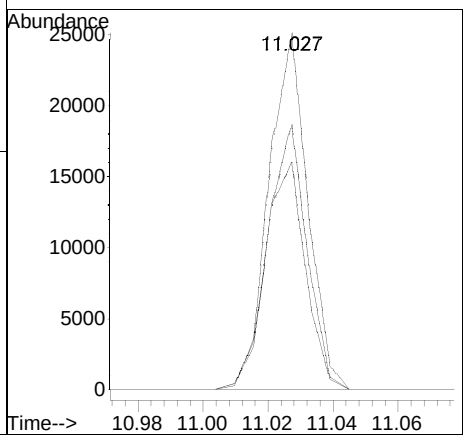


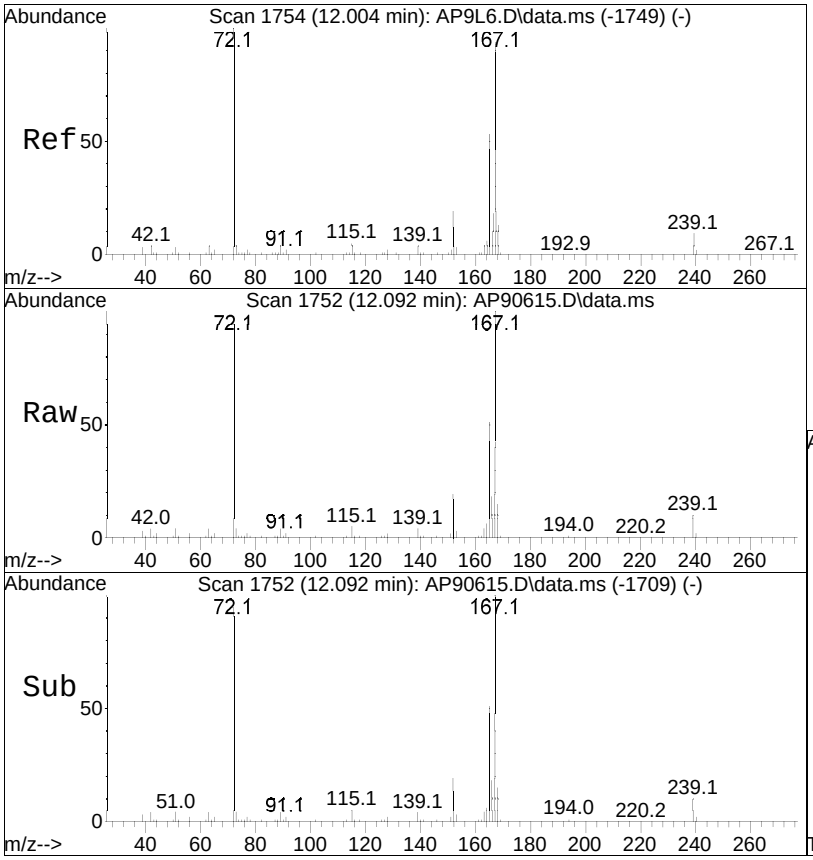


#85
Pentachloronitrobenzene
Concen: 5.37 ug/ml
RT: 11.027 min Scan# 1571
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:237 Resp: 20803

Ion	Ratio	Lower	Upper
237	100		
142	66.6	77.0	115.4#
214	74.6	58.2	87.4

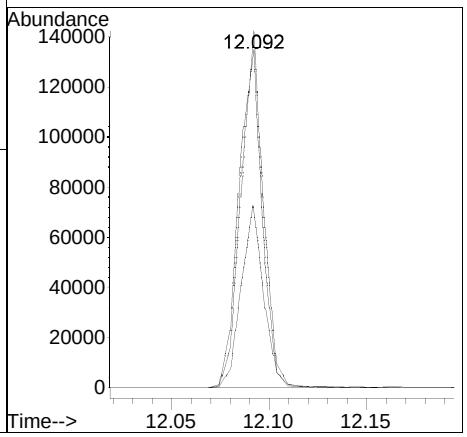




#99
Diphenamid
Concen: 4.96 ug/ml
RT: 12.092 min Scan# 1752
Delta R.T. 0.000 min
Lab File: AP90615.D
Acq: 15 Jun 2025 7:24 pm

Tgt Ion:167 Resp: 111730

Ion	Ratio	Lower	Upper
167	100		
72	99.3	109.7	164.5#
165	53.0	41.8	62.6



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: AP90615.D	Operator	: SV106:slr
Date Inj'd	: 6/15/2025 7:24 pm	Instrument	: SV 106
Sample	: WG2078811-4,32,,AP9 RVT CC	Quant Date	: 6/15/2025 8:02 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250615RVT\
Data File : ADP0615.D
Acq On : 15 Jun 2025 7:47 pm
Operator : SV106:slr
Sample : WG2078811-5,32,,ADP RVT CCV Lot # 11299
Misc : WG2078811,,ical22075
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Jun 15 20:07:25 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:10 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%	Dev(min)
32	I	IS3_1,4-Dichlorobenzene-d4		1.000	1.000	0.0	103	0.00
33	t	1,4-Dioxane		0.548	0.413	24.6#	91	0.00
34	T	n-Decane		1.700	1.534	9.8	101	0.00
86	I	IS3_Acenaphthene-d10		1.000	1.000	0.0	86	0.00
87	T	Atrazine		0.366	0.315	13.9	81	0.00
100	I	IS3_Phenanthrene-d10		1.000	1.000	0.0	87	0.00
101	T	n-Octadecane		0.458	0.411	10.3	81	0.00
102	T	Parathion	*	5.000	5.896	-17.9	105	0.00
103	T	3,3'-Dimethylbenzidine	*	5.000	4.311	13.8	85	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : ADP0615.D
Acq On : 15 Jun 2025 7:47 pm
Operator : SV106:slr
Sample : WG2078811-5,32,,ADP RVT CCV Lot # 11299
Misc : WG2078811,,ical22075
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Jun 15 20:07:25 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:10 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
	Internal Standards						
32)	IS3_1,4-Dichlorobenzen...	6.551	152	59967	4.000	ug/ml	0.00
86)	IS3_Acenaphthene-d10	9.733	164	109676	4.000	ug/ml	0.00
100)	IS3_Phenanthrene-d10	11.180	188	231501	4.000	ug/ml	0.00
	System Monitoring Compounds						
	Target Compounds						Qvalue
33)	1,4-Dioxane	1.928	88	30956	3.769	ug/ml#	56
34)	n-Decane	6.445	57	114972	4.512	ug/ml#	34
87)	Atrazine	10.945	200	43243	4.315	ug/ml	95
101)	n-Octadecane	11.157	57	119036	4.491	ug/ml#	1
102)	Parathion	11.968	109	19893	5.896	ug/ml#	93
103)	3,3'-Dimethylbenzidine	13.268	212	168086	4.311	ug/ml	99

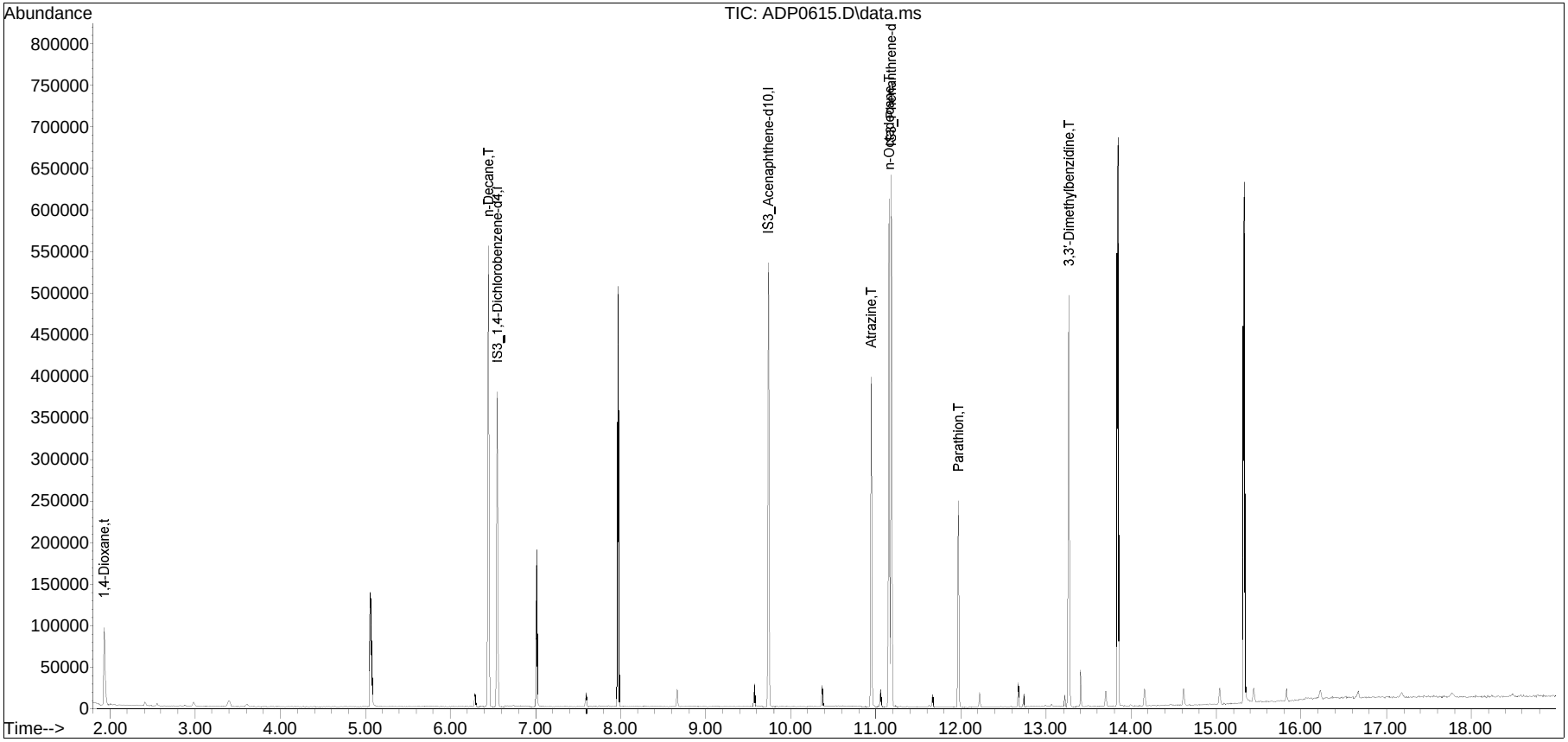
(#) = qualifier out of range (m) = manual integration (+) = signals summed

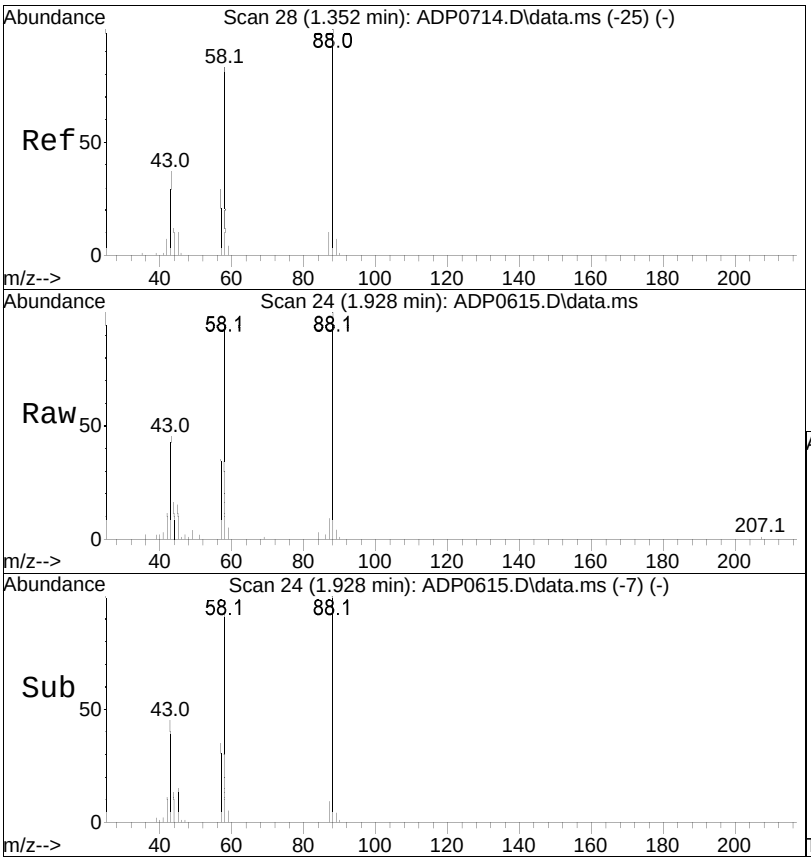
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : ADP0615.D
Acq On : 15 Jun 2025 7:47 pm
Operator : SV106:slr
Sample : WG2078811-5,32,,ADP RVT CCV Lot # 11299
Misc : WG2078811,,ical22075
ALS Vial : 144 Sample Multiplier: 1

Quant Time: Jun 15 20:07:25 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:10 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

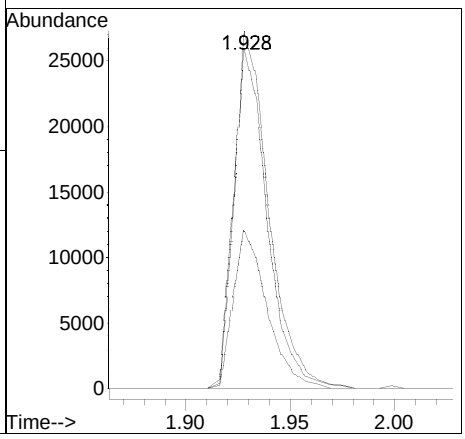


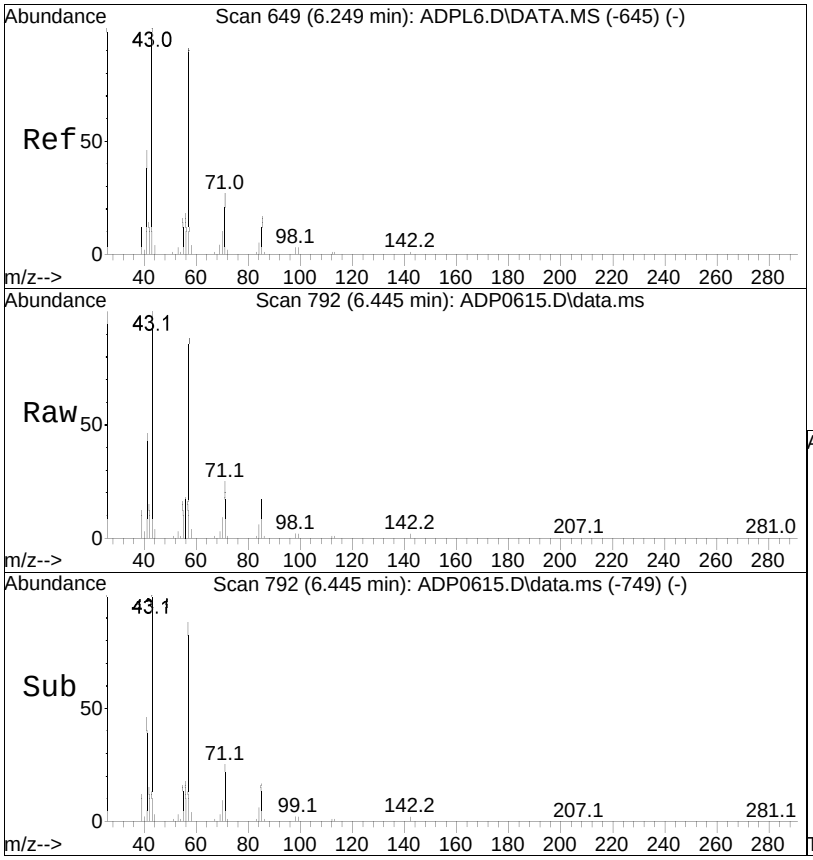


#33
1,4-Dioxane
Concen: 3.77 ug/ml
RT: 1.928 min Scan# 24
Delta R.T. 0.000 min
Lab File: ADP0615.D
Acq: 15 Jun 2025 7:47 pm

Tgt Ion: 88 Resp: 30956

Ion	Ratio	Lower	Upper
88	100		
58	93.0	44.8	67.2#
43	43.9	22.4	33.6#

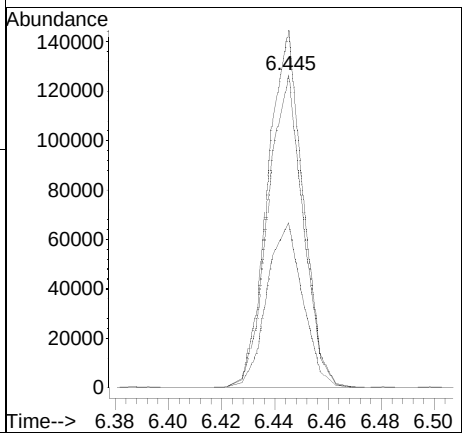


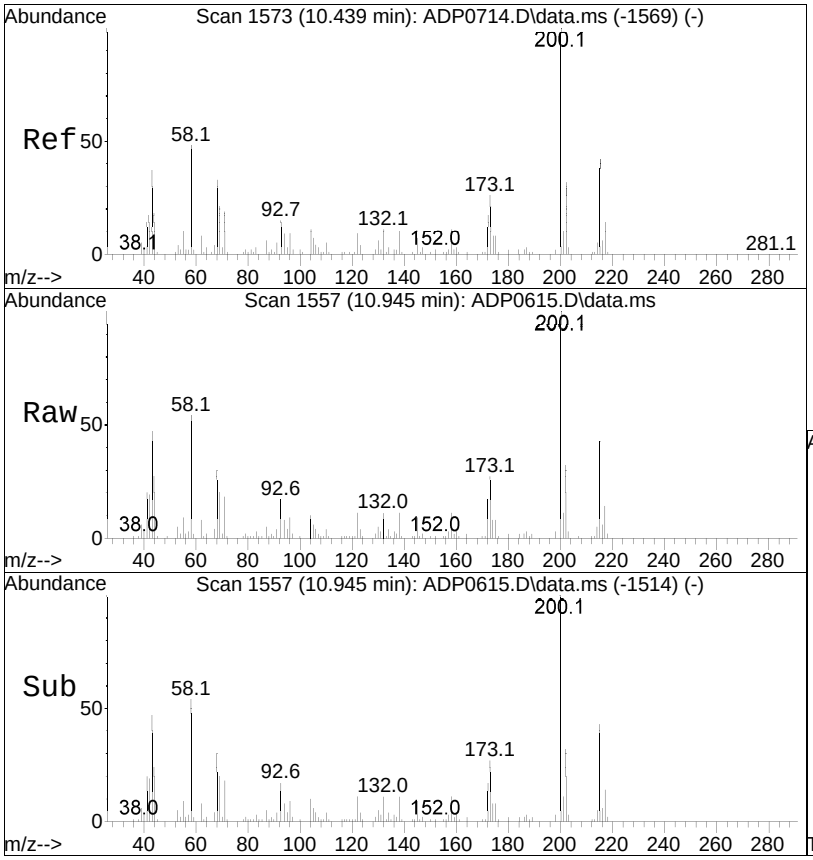


#34
n-Decane
Concen: 4.51 ug/ml
RT: 6.445 min Scan# 792
Delta R.T. 0.000 min
Lab File: ADP0615.D
Acq: 15 Jun 2025 7:47 pm

Tgt Ion: 57 Resp: 114972

Ion	Ratio	Lower	Upper
57	100		
43	114.6	0.2	0.2#
41	54.2	0.2	0.2#

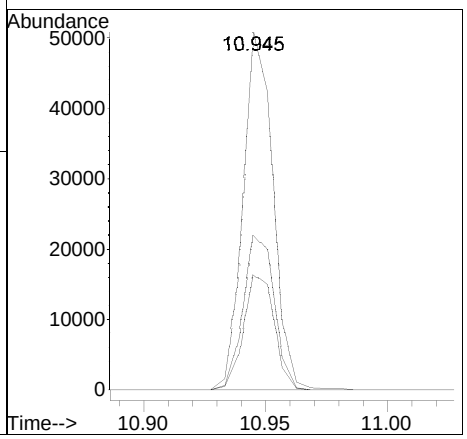


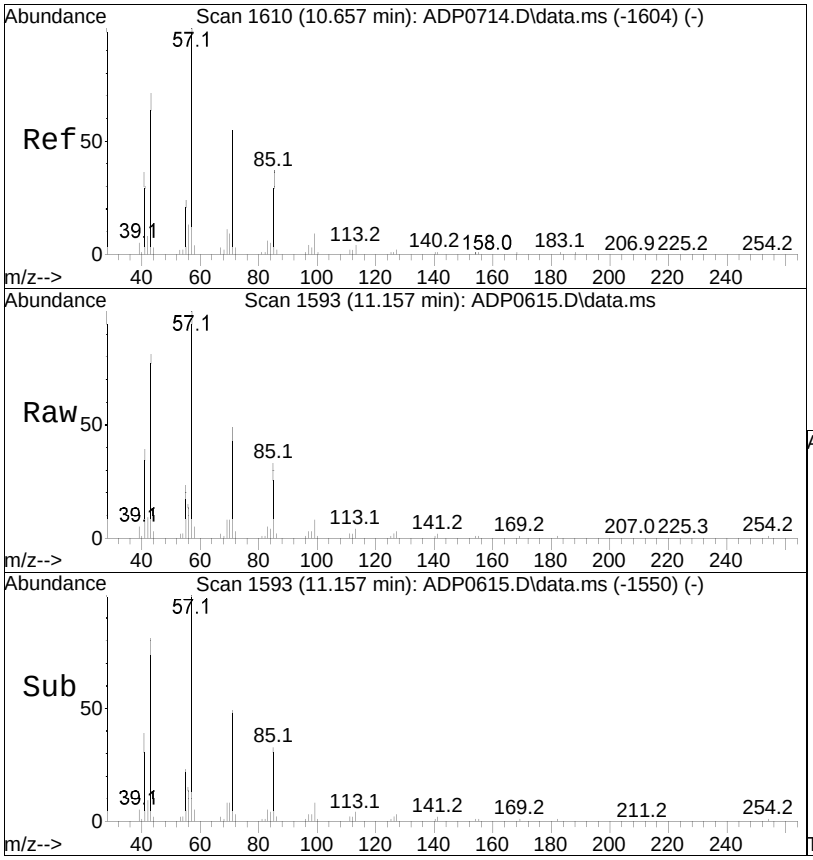


#87
Atrazine
Concen: 4.31 ug/ml
RT: 10.945 min Scan# 1557
Delta R.T. 0.000 min
Lab File: ADP0615.D
Acq: 15 Jun 2025 7:47 pm

Tgt Ion:200 Resp: 43243

Ion	Ratio	Lower	Upper
200	100		
202	33.1	25.8	38.6
215	44.9	40.2	60.4

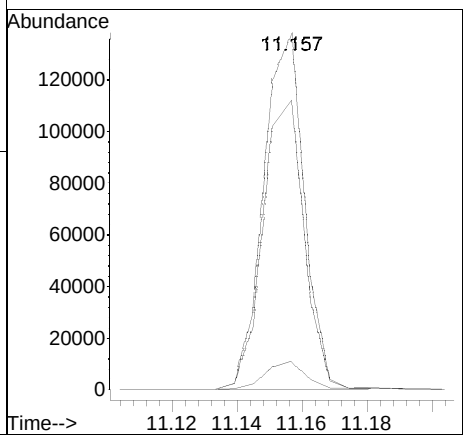


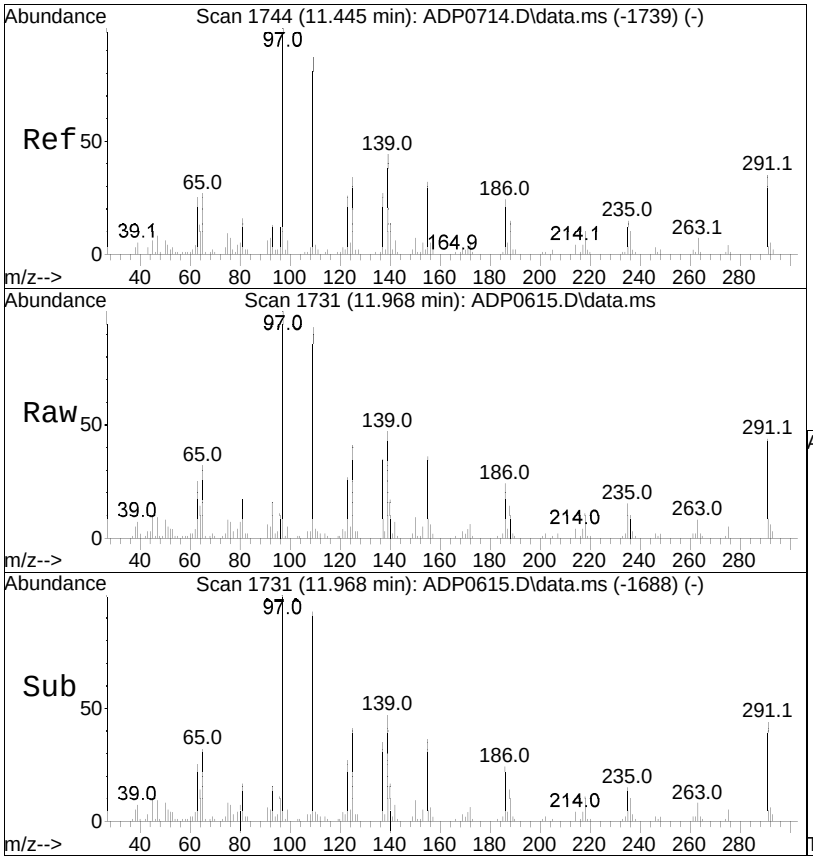


#101
n-Octadecane
Concen: 4.49 ug/ml
RT: 11.157 min Scan# 1593
Delta R.T. 0.000 min
Lab File: ADP0615.D
Acq: 15 Jun 2025 7:47 pm

Tgt Ion: 57 Resp: 119036

Ion	Ratio	Lower	Upper
57	100		
43	83.0	9.0	13.6#
70	8.2	0.2	0.2#

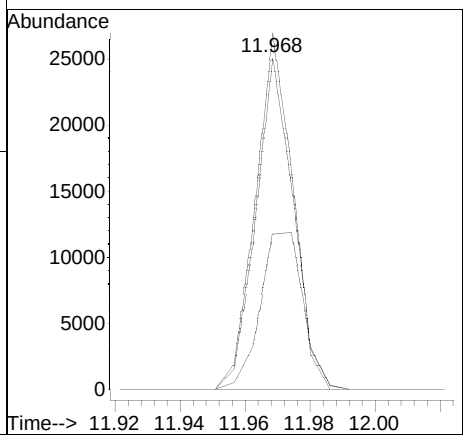


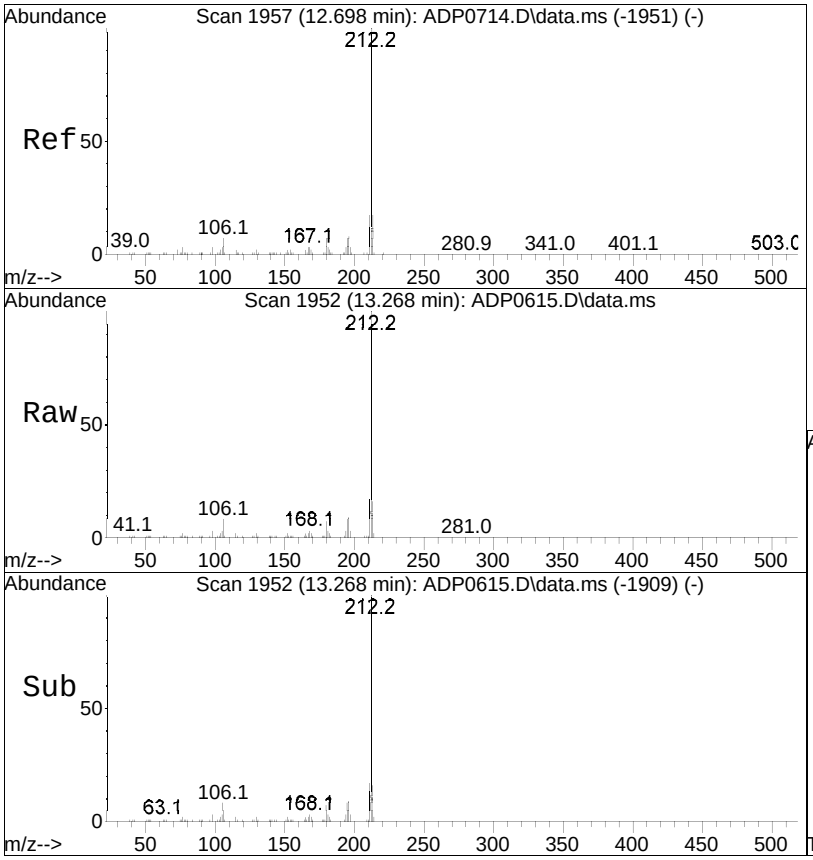


#102
Parathion
Concen: 5.90 ug/ml
RT: 11.968 min Scan# 1731
Delta R.T. 0.000 min
Lab File: ADP0615.D
Acq: 15 Jun 2025 7:47 pm

Tgt Ion:109 Resp: 19893

Ion	Ratio	Lower	Upper
109	100		
97	107.1	87.4	131.2
291	54.8	34.2	51.2#

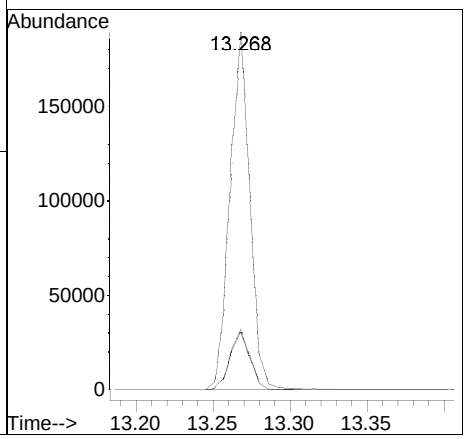




#103
3,3'-Dimethylbenzidine
Concen: 4.31 ug/ml
RT: 13.268 min Scan# 1952
Delta R.T. 0.000 min
Lab File: ADP0615.D
Acq: 15 Jun 2025 7:47 pm

Tgt Ion:212 Resp: 168086

Ion	Ratio	Lower	Upper
212	100		
211	17.1	12.9	19.3
213	16.4	13.2	19.8



Manual Integration Report

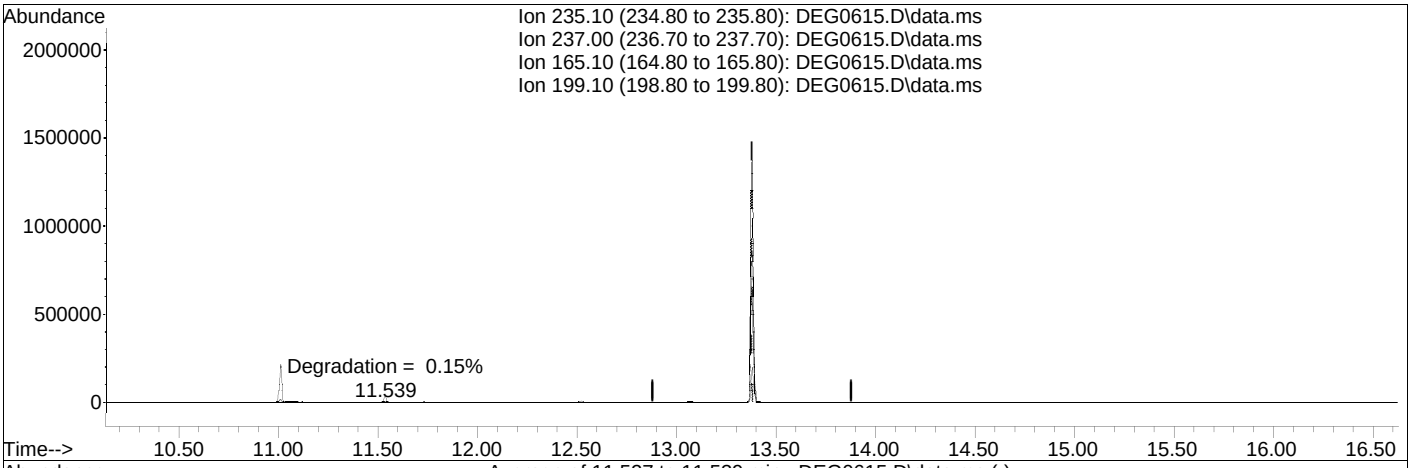
Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: ADP0615.D	Operator	: SV106:slr
Date Inj'd	: 6/15/2025 7:47 pm	Instrument	: SV 106
Sample	: WG2078811-5,32,,ADP RVT CC	Quant Date	: 6/15/2025 8:08 pm

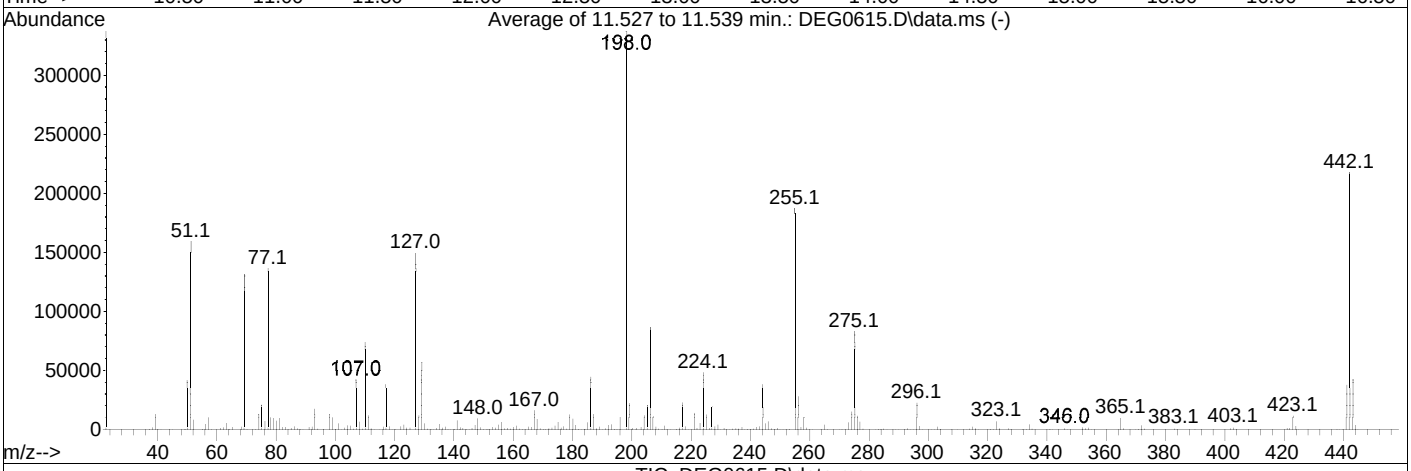
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250615RVT\
Data File : DEG0615.D
Acq On : 15 Jun 2025 6:37 pm
Operator : SV106: slr
Sample : WG2078811-2,32,,SV106 Degdftpp Lot # 11339
Misc : WG2078811,,ical22075
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 15 18:57:32 2025
Quant Method : I:\8270\SV106\250615RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 18:58:13 2025
Response via : Initial Calibration





TIC: DEG0615.D\data.ms

(6) DDT (T)

13.380min (+ 0.000) 197.00

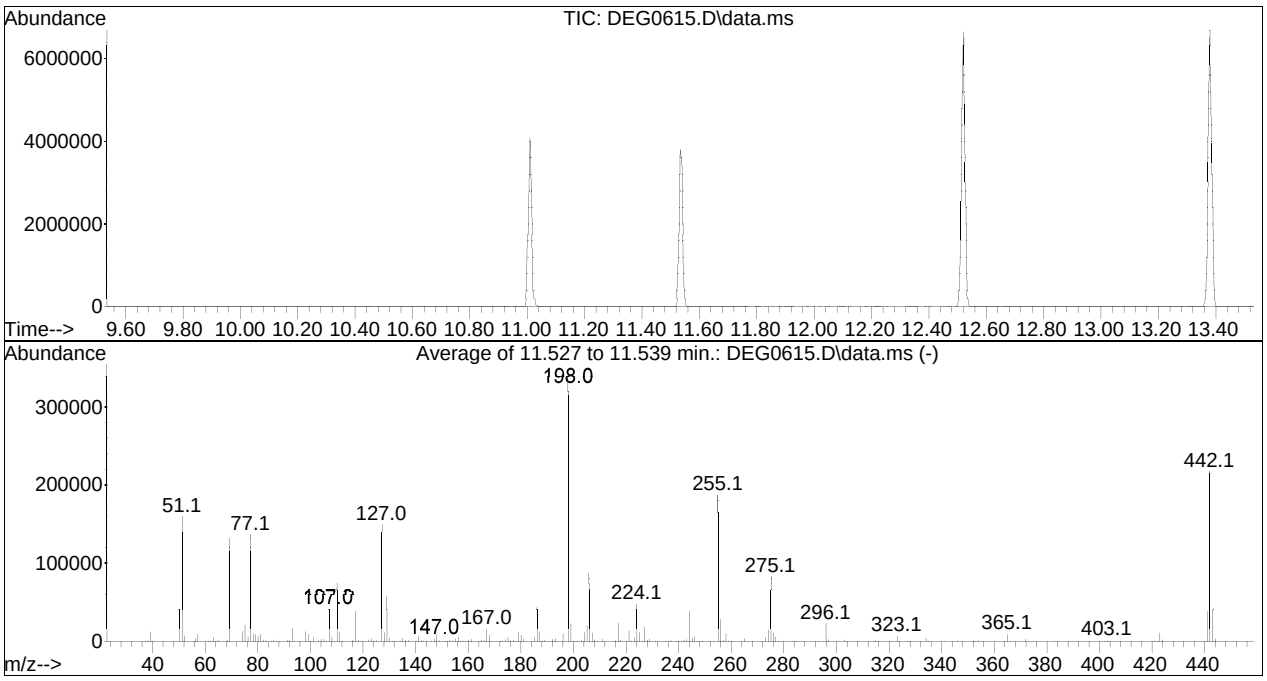
response 1200842

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	62.95
165.10	44.50	47.14
199.10	14.80	14.40

Data Path : I:\8270\SV106\250615RVT\
Data File : DEG0615.D
Acq On : 15 Jun 2025 6:37 pm
Operator : SV106: ASK
Sample : WG2078811-1,32,,SV106 Degdftpp Lot # 11339
Misc : WG2078811,,ical22075
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Jun 15 20:02:07 2025



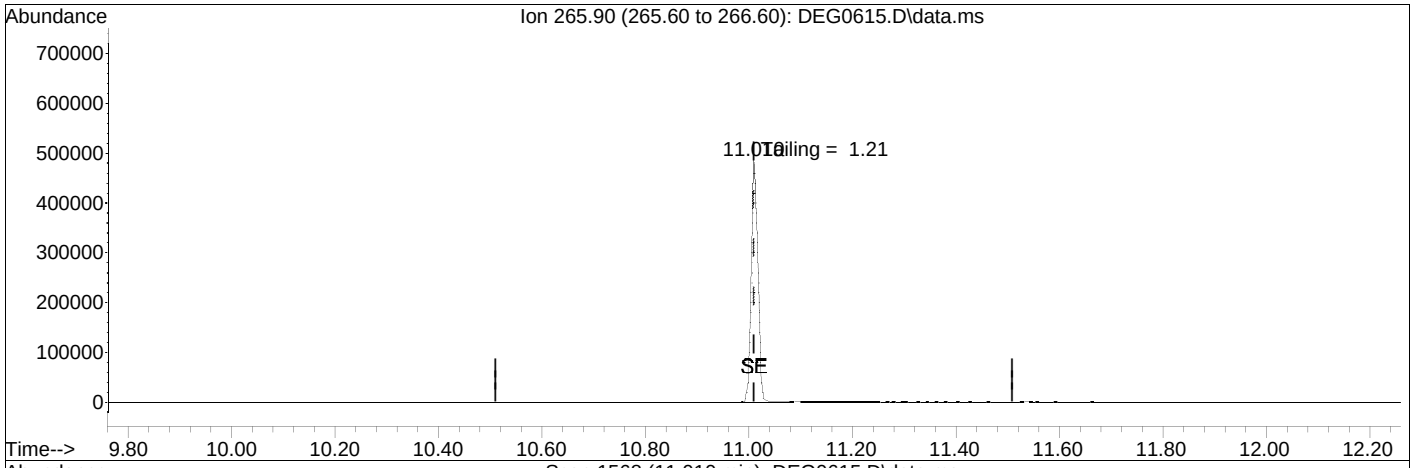
Spectrum Information: Average of 11.527 to 11.539 min.

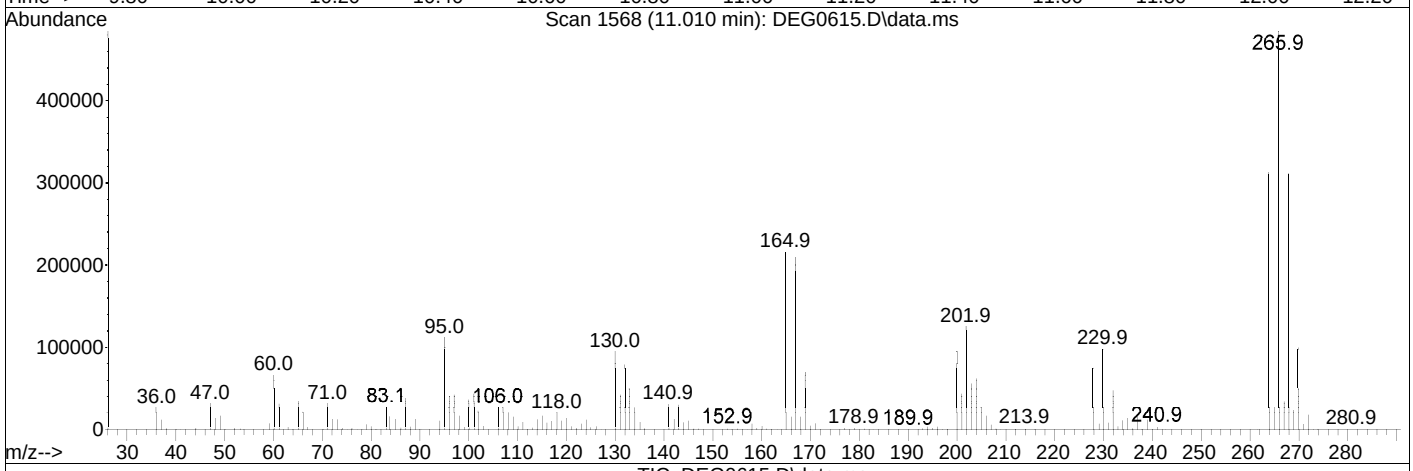
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	47.2	159365	PASS
68	69	0.00	2	1.9	2548	PASS
69	69	100	100	100.0	131029	PASS
70	69	0.00	2	0.5	660	PASS
127	198	10	80	44.2	149261	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	337536	PASS
199	198	5	9	6.7	22641	PASS
275	198	10	60	24.5	82829	PASS
365	198	1	100	2.8	9389	PASS
441	442	0.01	24	17.2	37389	PASS
442	198	50	100	64.4	217517	PASS
443	442	15	24	19.5	42446	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250615RVT\
Data File : DEG0615.D
Acq On : 15 Jun 2025 6:37 pm
Operator : SV106: slr
Sample : WG2078811-7,32,,SV106 Degdftpp Lot # 11339
Misc : WG2078811,,ical22075
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 15 18:57:32 2025
Quant Method : I:\8270\SV106\250615RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 18:58:13 2025
Response via : Initial Calibration





TIC: DEG0615.D\data.ms

(1) Pentachlorophenol (T)

11.010min (-0.000) 194.29

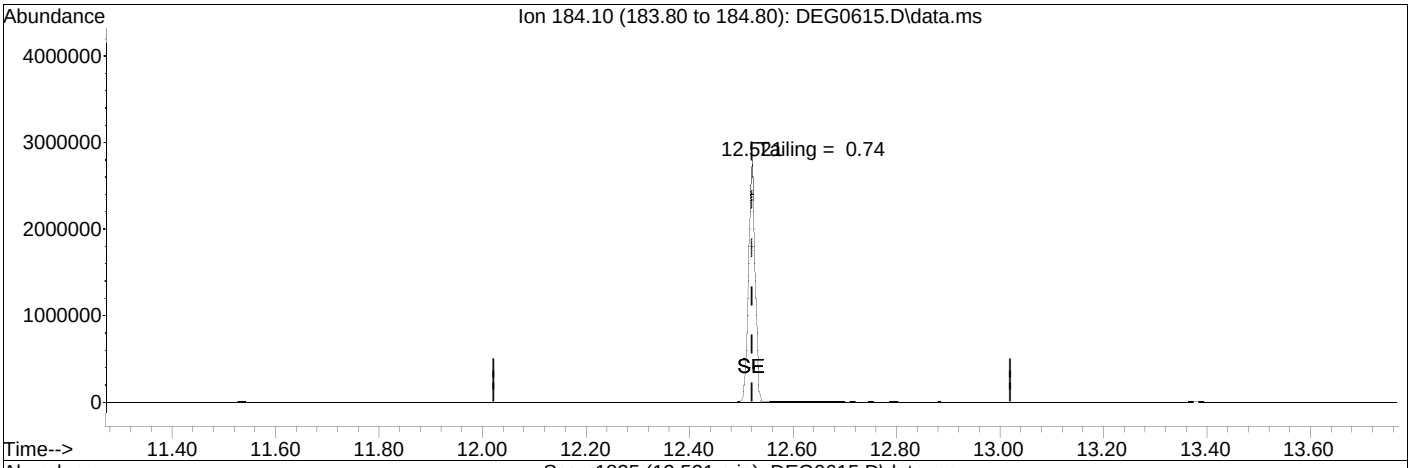
response 408077

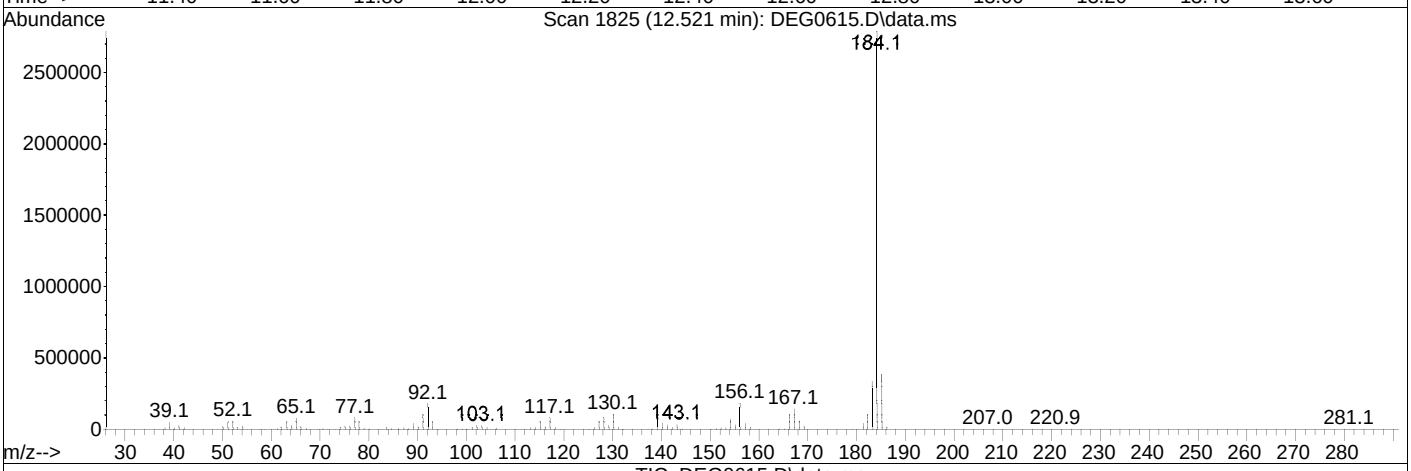
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250615RVT\
Data File : DEG0615.D
Acq On : 15 Jun 2025 6:37 pm
Operator : SV106: slr
Sample : WG2078811-6,32,,SV106 Degdftpp Lot # 11339
Misc : WG2078811,,ical22075
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 15 18:57:32 2025
Quant Method : I:\8270\SV106\250615RVT\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 18:58:13 2025
Response via : Initial Calibration





TIC: DEG0615.D\data.ms

(3) Benzidine (T)

12.521min (+ 0.000) 228.99

response 2331108

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-1.D
Acq On : 15 Jun 2025 8:11 pm
Operator : SV106:smz
Sample : WG2078863-1,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 09:12:07 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	56296	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 102.83%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	56296	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 106.24%				
32) IS3_1,4-Dichlorobenzen...	6.551	152	56296	4.000	ug/ml		0.00
Standard Area 2 = 59967			Recovery = 93.88%				
35) IS1_Naphthalene-d8	7.969	136	201315	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 102.54%				
55) IS2_Naphthalene-d8	7.969	136	201315	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 109.72%				
63) IS1_Acenaphthene-d10	9.733	164	126921	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 109.64%				
83) IS2_Acenaphthene-d10	9.733	164	126921	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 117.75%				
86) IS3_Acenaphthene-d10	9.733	164	126921	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 115.72%				
88) IS1_Phenanthrene-d10	11.180	188	268727	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 116.09%				
100) IS3_Phenanthrene-d10	11.180	188	268727	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 116.08%				
104) IS1_Chrysene-d12	13.845	240	288041	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 108.79%				
113) IS1_Perylene-d12	15.327	264	297642	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 110.33%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	14414	0.908	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 45.40%				
7) Phenol-d6	6.181	99	11683	0.628	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 31.40%				
19) Nitrobenzene-d5	7.204	82	11588	0.751	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.10%				
46) 2-Fluorobiphenyl	9.092	172	32705	0.704	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 70.40%				
79) 2,4,6-Tribromophenol	10.510	330	8091	1.240	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.00%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-1.D
Acq On : 15 Jun 2025 8:11 pm
Operator : SV106:smz
Sample : WG2078863-1,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 09:12:07 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.774	244	53528	0.768	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 76.80%

Target Compounds				Qvalue
6) 2-Chlorophenol	0.000	0	N.D.	
8) Phenol	0.000	0	N.D.	
9) Bis(2-chloroethyl)ether	0.000	0	N.D.	
10) 1,3-Dichlorobenzene	0.000	0	N.D.	
11) 1,4-Dichlorobenzene	0.000	0	N.D.	
12) 1,2-Dichlorobenzene	0.000	0	N.D.	
13) Benzyl alcohol	0.000	0	N.D.	d
14) Bis(2-chloroisopropyl)...	0.000	0	N.D.	
15) 2-Methylphenol	0.000	0	N.D.	
16) Hexachloroethane	0.000	0	N.D.	
17) n-Nitrosodi-n-propylamine	0.000	0	N.D.	d
18) 3-Methylphenol/4-Methy...	0.000	0	N.D.	
20) Nitrobenzene	0.000	0	N.D.	
21) Isophorone	0.000	0	N.D.	
22) 2-Nitrophenol	0.000	0	N.D.	
23) 2,4-Dimethylphenol	0.000	0	N.D.	
24) Bis(2-chloroethoxy)met...	0.000	0	N.D.	
25) 2,4-Dichlorophenol	0.000	0	N.D.	
26) 1,2,4-Trichlorobenzene	0.000	0	N.D.	
29) Acetophenone	0.000	0	N.D.	
36) Naphthalene	0.000	0	N.D.	d
37) Benzoic Acid	0.000	0	N.D.	
38) 4-Chloroaniline	0.000	0	N.D.	d
39) Hexachlorobutadiene	0.000	0	N.D.	
40) p-Chloro-m-cresol	0.000	0	N.D.	
41) 2-Methylnaphthalene	0.000	0	N.D.	
43) Hexachlorocyclopentadiene	0.000	0	N.D.	
44) 2,4,6-Trichlorophenol	0.000	0	N.D.	
45) 2,4,5-Trichlorophenol	0.000	0	N.D.	
47) 2-Chloronaphthalene	0.000	0	N.D.	
48) 2-Nitroaniline	0.000	0	N.D.	
51) Dimethyl phthalate	0.000	0	N.D.	
52) Acenaphthylene	0.000	0	N.D.	

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-1.D
Acq On : 15 Jun 2025 8:11 pm
Operator : SV106:smz
Sample : WG2078863-1,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 09:12:07 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53)	2,6-Dinitrotoluene	0.000		0	N.D.	d	
61)	1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62)	Biphenyl	0.000		0	N.D.		
64)	3-Nitroaniline	0.000		0	N.D.		
65)	Acenaphthene	0.000		0	N.D.		
66)	2,4-Dinitrophenol	0.000		0	N.D.		
67)	Dibenzofuran	0.000		0	N.D.		
68)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
69)	4-Nitrophenol	0.000		0	N.D.	d	
72)	Diethyl phthalate	0.000		0	N.D.		
73)	Fluorene	0.000		0	N.D.		
74)	4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75)	4-Nitroaniline	0.000		0	N.D.		
76)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
77)	NDPA/DPA	0.000		0	N.D.		
80)	4-Bromophenyl phenyl e...	0.000		0	N.D.		
81)	Hexachlorobenzene	0.000		0	N.D.		
82)	Pentachlorophenol	0.000		0	N.D.		
89)	Phenanthrene	0.000		0	N.D.		
90)	Anthracene	0.000		0	N.D.		
91)	Carbazole	0.000		0	N.D.		
92)	Di-n-butylphthalate	0.000		0	N.D.	d	
93)	Fluoranthene	0.000		0	N.D.		
95)	Pyrene	0.000		0	N.D.		
97)	Butyl benzyl phthalate	0.000		0	N.D.		
105)	Benzo(a)anthracene	0.000		0	N.D.	d	
106)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
107)	Chrysene	0.000		0	N.D.	d	
108)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
109)	Di-n-octylphthalate	0.000		0	N.D.	d	
110)	Benzo(b)fluoranthene	0.000		0	N.D.		
111)	Benzo(k)fluoranthene	0.000		0	N.D.		
112)	Benzo(a)pyrene	0.000		0	N.D.	d	
114)	Indeno(1,2,3-cd)pyrene	0.000		0	N.D.		
115)	Dibenzo(a,h)anthracene	0.000		0	N.D.		
116)	Benzo(ghi)perylene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-1.D
Acq On : 15 Jun 2025 8:11 pm
Operator : SV106:smz
Sample : WG2078863-1,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 09:12:07 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

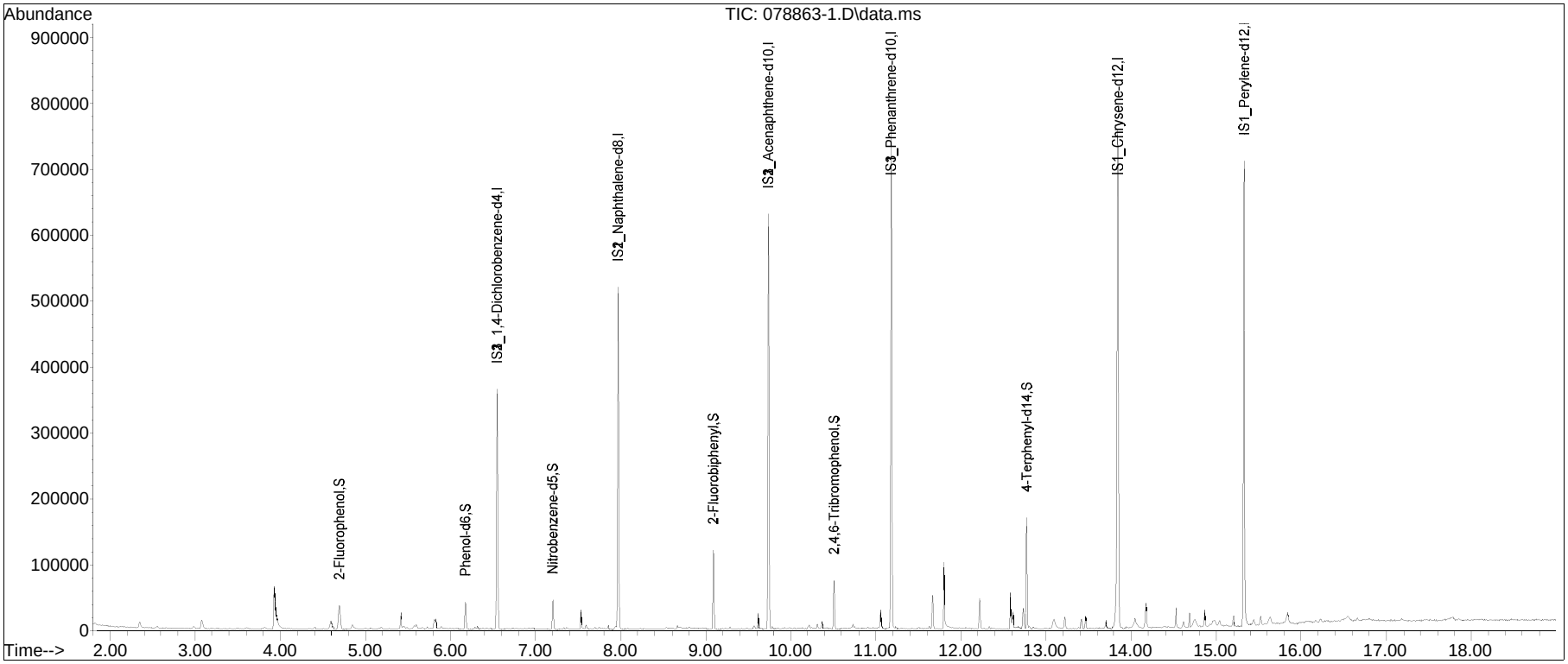
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-1.D
Acq On : 15 Jun 2025 8:11 pm
Operator : SV106:smz
Sample : WG2078863-1,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 23 09:12:07 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90615.D•



Manual Integration Report

Data Path	: I:\8270\SV106\250615RVT\	QMethod	: FS250311SV106.m
Data File	: 078863-1.D	Operator	: SV106:smz
Date Inj'd	: 6/15/2025 8:11 pm	Instrument	: SV 106
Sample	: WG2078863-1,32,,ASK	Quant Date	: 6/15/2025 8:30 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Acq On : 15 Jun 2025 8:34 pm
Operator : SV106:smz
Sample : WG2078863-2,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 09:13:15 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	58609	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 107.05%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	58609	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 110.60%				
32) IS3_1,4-Dichlorobenzen...	6.551	152	58609	4.000	ug/ml		0.00
Standard Area 2 = 59967			Recovery = 97.74%				
35) IS1_Naphthalene-d8	7.969	136	213181	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 108.58%				
55) IS2_Naphthalene-d8	7.969	136	213181	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 116.18%				
63) IS1_Acenaphthene-d10	9.733	164	131629	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 113.70%				
83) IS2_Acenaphthene-d10	9.733	164	131629	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 122.11%				
86) IS3_Acenaphthene-d10	9.733	164	131629	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 120.02%				
88) IS1_Phenanthrene-d10	11.180	188	276351	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 119.39%				
100) IS3_Phenanthrene-d10	11.180	188	276351	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 119.37%				
104) IS1_Chrysene-d12	13.845	240	302468	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 114.24%				
113) IS1_Perylene-d12	15.327	264	320882	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 118.94%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.687	112	12133	0.734	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 36.70%				
7) Phenol-d6	6.181	99	10930	0.564	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 28.20%				
19) Nitrobenzene-d5	7.204	82	10705	0.667	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 66.70%				
46) 2-Fluorobiphenyl	9.092	172	28289	0.575	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 57.50%				
79) 2,4,6-Tribromophenol	10.510	330	8481	1.253	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 62.65%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Acq On : 15 Jun 2025 8:34 pm
Operator : SV106:smz
Sample : WG2078863-2,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 09:13:15 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.774	244	45804	0.639	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 63.90%

Target Compounds						Qvalue
6) 2-Chlorophenol	6.292	128	18672	1.046	ug/ml	97
8) Phenol	6.192	94	12957	0.606	ug/ml	95
9) Bis(2-chloroethyl)ether	6.275	93	18856	1.110	ug/ml#	71
10) 1,3-Dichlorobenzene	6.481	146	17661	0.783	ug/ml	96
11) 1,4-Dichlorobenzene	6.575	146	18087	0.784	ug/ml	96
12) 1,2-Dichlorobenzene	6.751	146	18236	0.835	ug/ml	96
13) Benzyl alcohol	6.757	79	15030	1.127	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.939	45	42250	1.066	ug/ml#	76
15) 2-Methylphenol	6.922	108	15183	0.808	ug/ml	97
16) Hexachloroethane	7.139	117	5411	0.676	ug/ml#	49
17) n-Nitrosodi-n-propylamine	7.075	70	14355	1.146	ug/ml	94
18) 3-Methylphenol/4-Methy...	7.104	108	16931	1.041	ug/ml	99
20) Nitrobenzene	7.222	77	20451	1.248	ug/ml	98
21) Isophorone	7.504	82	35809	1.065	ug/ml	95
22) 2-Nitrophenol	7.581	139	10071	1.350	ug/ml	96
23) 2,4-Dimethylphenol	7.675	107	14124	0.804	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.769	93	26377	1.099	ug/ml#	97
25) 2,4-Dichlorophenol	7.845	162	20338	1.221	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.922	180	18171	0.851	ug/ml	97
29) Acetophenone	7.045	105	30226M6	1.254	ug/ml	
36) Naphthalene	7.992	128	55912	0.984	ug/ml	98
37) Benzoic Acid	7.739	105	9165	1.478	ug/ml	92
38) 4-Chloroaniline	8.069	65	4567M3	0.651	ug/ml	
39) Hexachlorobutadiene	8.157	225	9433	0.726	ug/ml	99
40) p-Chloro-m-cresol	8.598	107	17391	1.004	ug/ml	94
41) 2-Methylnaphthalene	8.710	142	35437	1.043	ug/ml	96
43) Hexachlorocyclopentadiene	8.886	237	12059	0.755	ug/ml	97
44) 2,4,6-Trichlorophenol	9.004	196	15993	1.195	ug/ml	98
45) 2,4,5-Trichlorophenol	9.033	196	17482	1.287	ug/ml	98
47) 2-Chloronaphthalene	9.186	162	43437	1.077	ug/ml	100
48) 2-Nitroaniline	9.298	138	12546	1.416	ug/ml	93
51) Dimethyl phthalate	9.504	163	58449	1.207	ug/ml#	99
52) Acenaphthylene	9.592	152	71762	1.121	ug/ml	99

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Acq On : 15 Jun 2025 8:34 pm
Operator : SV106:smz
Sample : WG2078863-2,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 09:13:15 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	9.545	165	10430	1.298	ug/ml	84
61) 1,2,4,5-Tetrachloroben...	8.881	216	22878	1.069	ug/ml	97
62) Biphenyl	9.181	154	54122	1.147	ug/ml	99
64) 3-Nitroaniline	9.704	138	11356	1.368	ug/ml#	86
65) Acenaphthene	9.769	154	42224	1.165	ug/ml	94
66) 2,4-Dinitrophenol	9.810	184	6177	1.545	ug/ml	88
67) Dibenzofuran	9.939	168	73211	1.163	ug/ml	94
68) 2,4-Dinitrotoluene	9.939	165	14274	1.337	ug/ml	91
69) 4-Nitrophenol	9.892	65	6498	1.026	ug/ml	93
72) Diethyl phthalate	10.204	149	56908	1.273	ug/ml	97
73) Fluorene	10.275	166	59069	1.273	ug/ml	96
74) 4-Chlorophenyl phenyl ...	10.292	204	30392	1.252	ug/ml#	87
75) 4-Nitroaniline	10.298	138	11214	1.388	ug/ml	91
76) 4,6-Dinitro-o-cresol	10.333	198	9187	1.643	ug/ml#	66
77) NDPA/DPA	10.404	169	47830	1.236	ug/ml	95
80) 4-Bromophenyl phenyl e...	10.763	248	19365	1.271	ug/ml#	82
81) Hexachlorobenzene	10.816	284	21670	1.213	ug/ml#	79
82) Pentachlorophenol	11.010	266	12721	1.369	ug/ml	99
89) Phenanthrene	11.204	178	100391	1.280	ug/ml	99
90) Anthracene	11.251	178	95157	1.244	ug/ml	98
91) Carbazole	11.422	167	83621	1.224	ug/ml	99
92) Di-n-butylphthalate	11.810	149	94732	1.228	ug/ml	98
93) Fluoranthene	12.369	202	117396	1.309	ug/ml#	91
95) Pyrene	12.586	202	120698	1.286	ug/ml	100
97) Butyl benzyl phthalate	13.304	149	37552	1.367	ug/ml	90
105) Benzo(a)anthracene	13.833	228	122407	1.267	ug/ml	100
106) 3,3'-Dichlorobenzidine	13.833	252	21544	0.664	ug/ml	97
107) Chrysene	13.868	228	125482	1.310	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.951	149	56321	1.165	ug/ml#	96
109) Di-n-octylphthalate	14.633	149	85826	1.276	ug/ml#	81
110) Benzo(b)fluoranthene	14.951	252	121738	1.225	ug/ml#	92
111) Benzo(k)fluoranthene	14.974	252	123112	1.332	ug/ml#	93
112) Benzo(a)pyrene	15.268	252	108791M3	1.244	ug/ml	
114) Indeno(1,2,3-cd)pyrene	16.327	276	106980M6	1.249	ug/mL	
115) Dibenzo(a,h)anthracene	16.351	278	107318	1.259	ug/ml#	88
116) Benzo(ghi)perylene	16.592	276	107021	1.274	ug/ml#	84

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Acq On : 15 Jun 2025 8:34 pm
Operator : SV106:smz
Sample : WG2078863-2,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 09:13:15 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

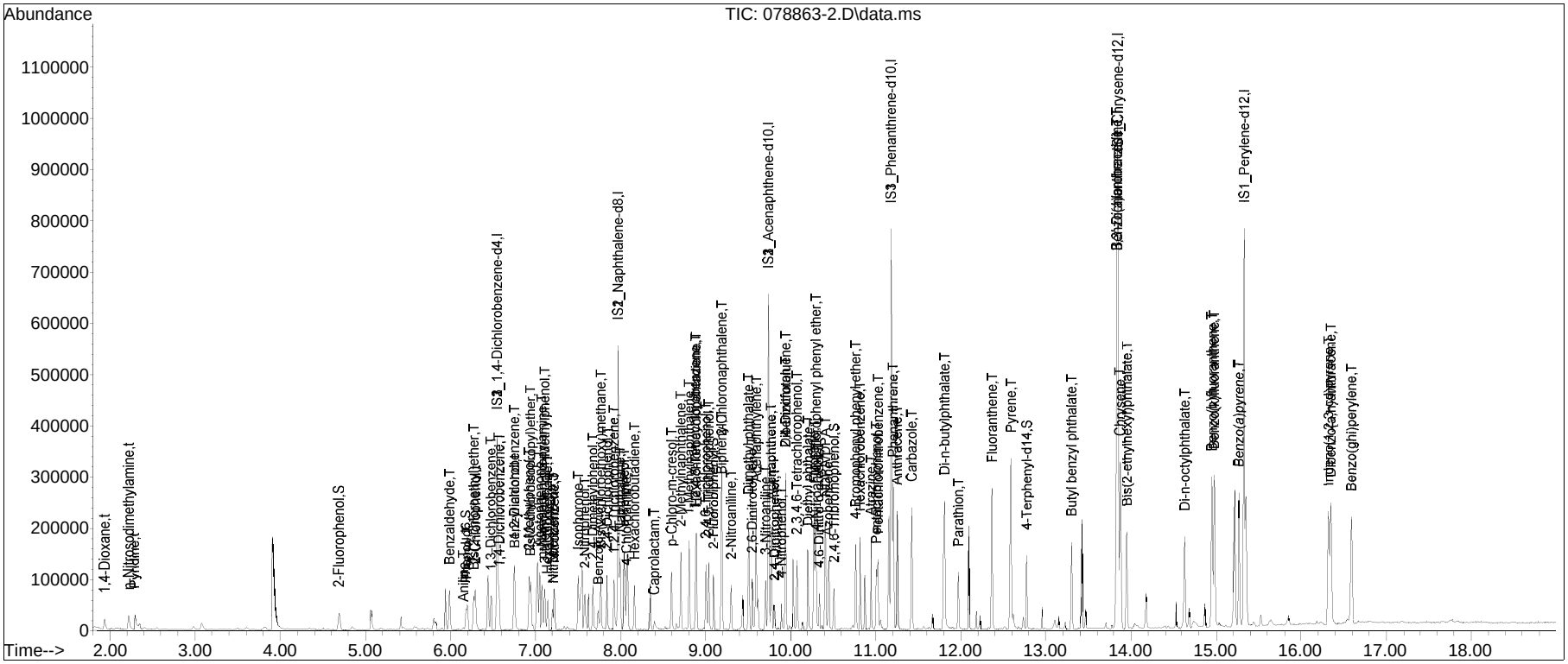
(#) = qualifier out of range (m) = manual integration (+) = signals summed

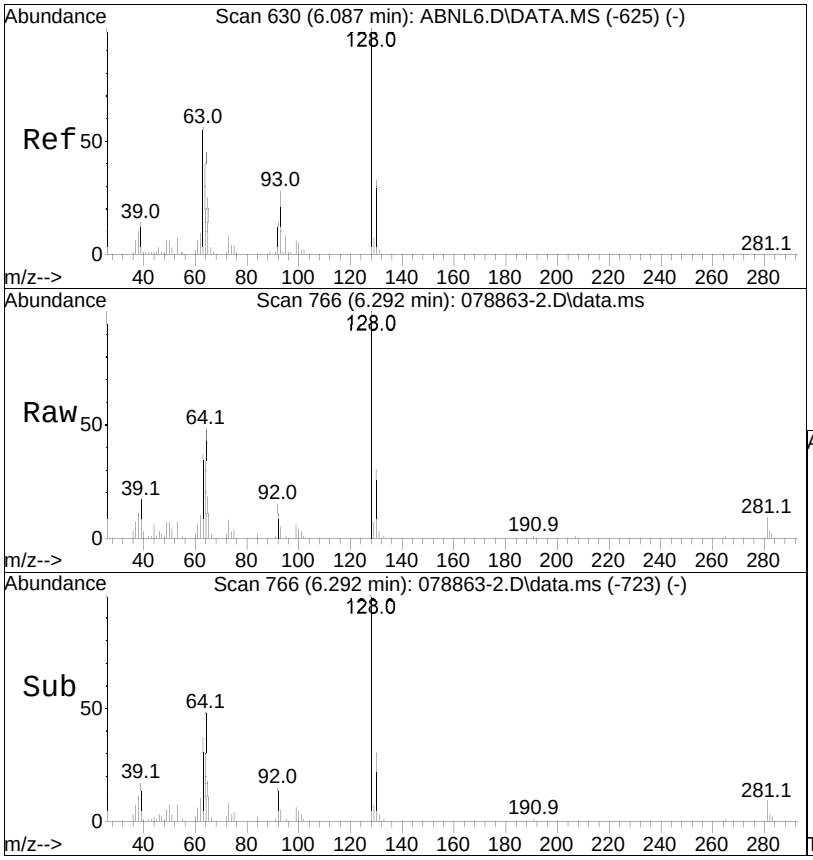
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Acq On : 15 Jun 2025 8:34 pm
Operator : SV106:smz
Sample : WG2078863-2,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 23 09:13:15 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90615.D•

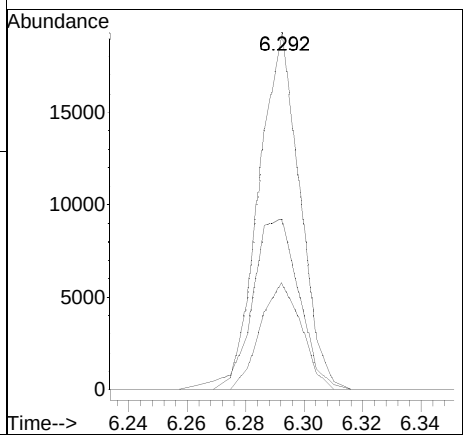


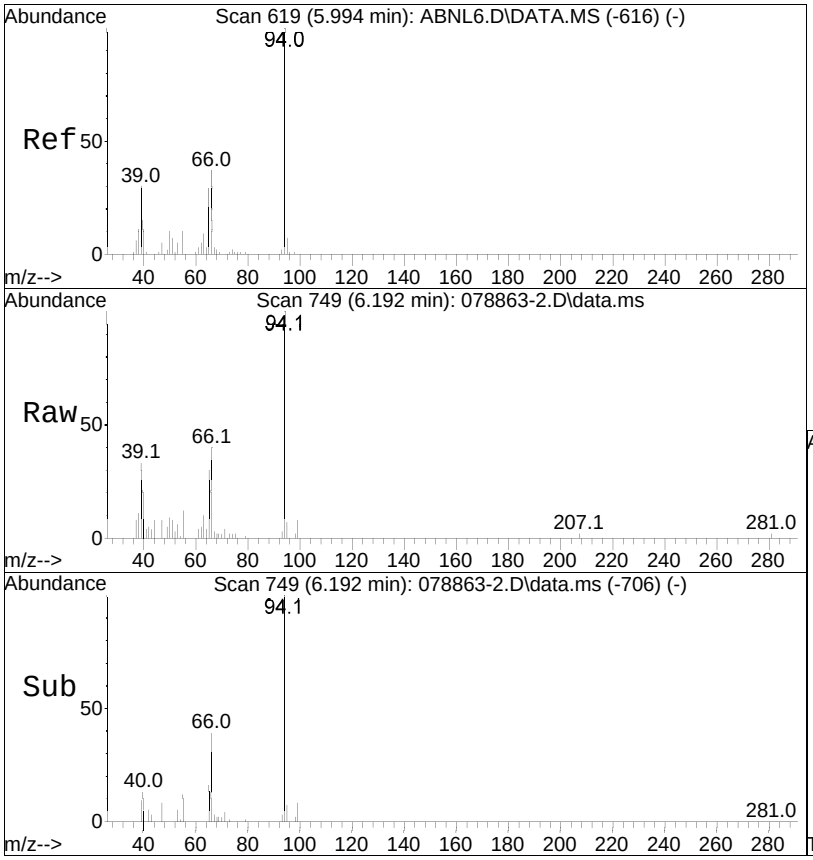


#6
2-Chlorophenol
Concen: 1.05 ug/ml
RT: 6.292 min Scan# 766
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:128 Resp: 18672

Ion	Ratio	Lower	Upper
128	100		
64	55.0	45.1	67.7
130	30.1	26.2	39.4

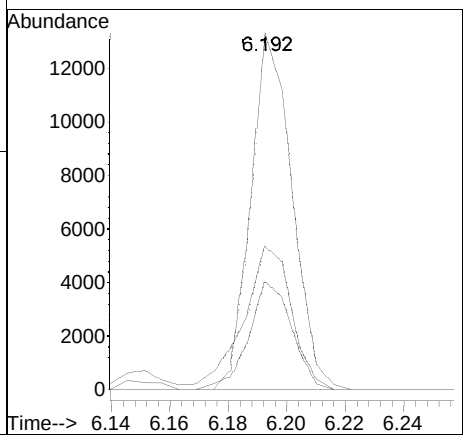


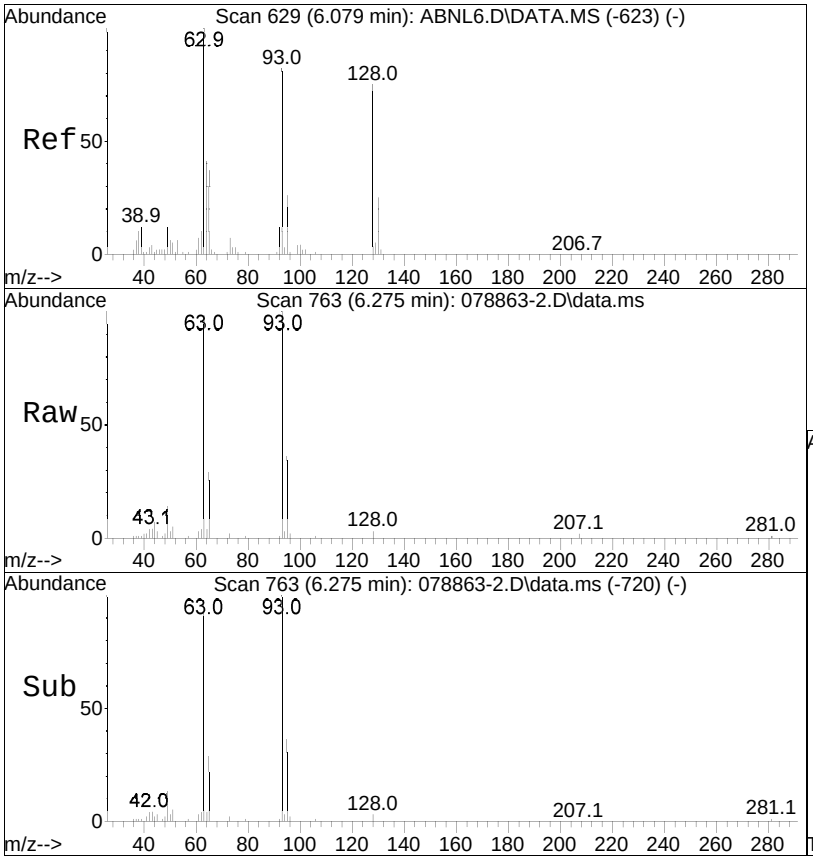


#8
Phenol
Concen: 0.61 ug/ml
RT: 6.192 min Scan# 749
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 94 Resp: 12957

Ion	Ratio	Lower	Upper
94	100		
65	31.7	26.0	39.0
66	47.3	33.8	50.8

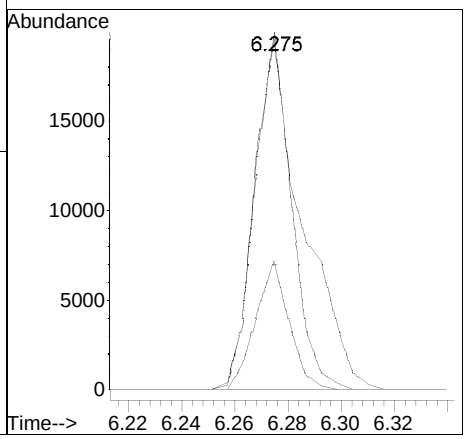


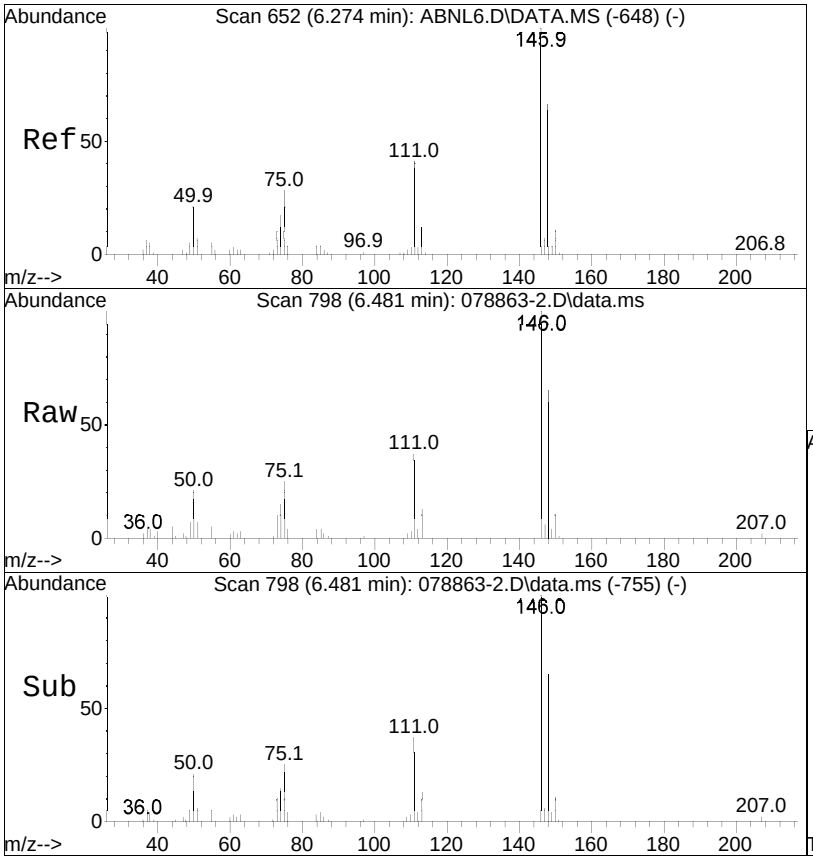


#9
Bis(2-chloroethyl)ether
Concen: 1.11 ug/ml
RT: 6.275 min Scan# 763
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 93 Resp: 18856

Ion	Ratio	Lower	Upper
93	100		
63	129.7	74.6	111.8#
95	33.2	25.9	38.9

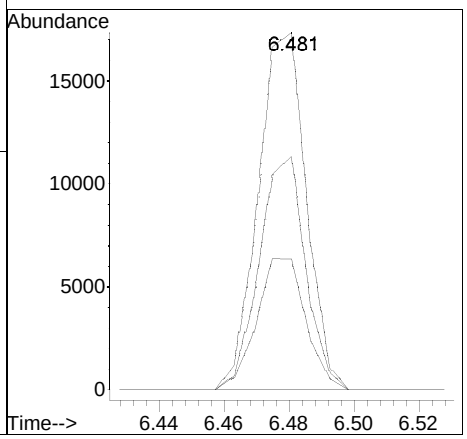


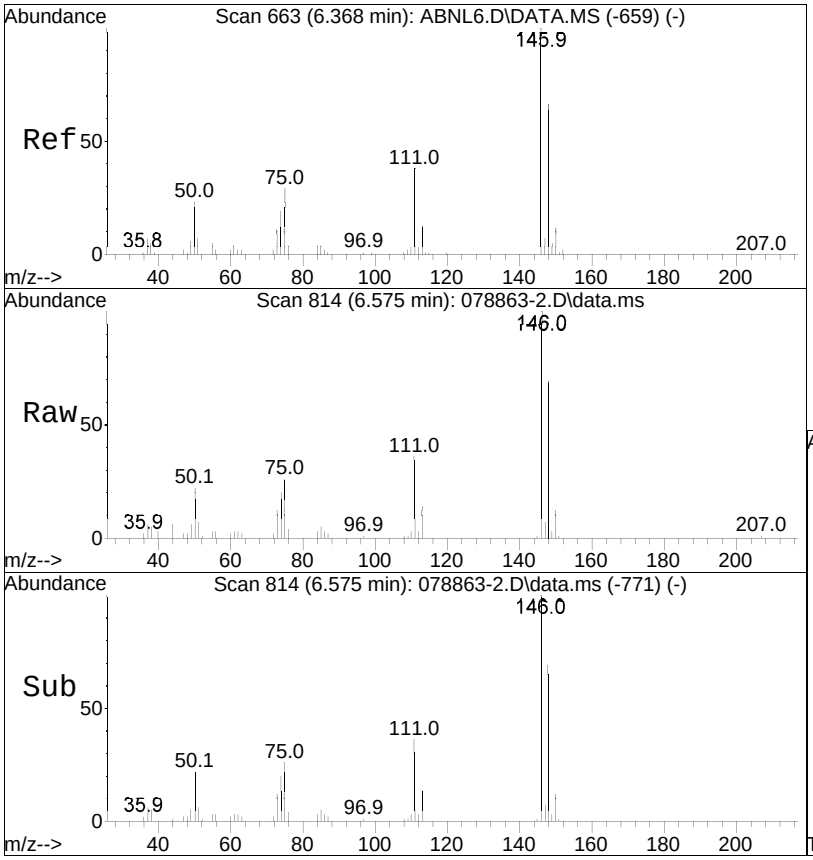


#10
1,3-Dichlorobenzene
Concen: 0.78 ug/ml
RT: 6.481 min Scan# 798
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:146 Resp: 17661

Ion	Ratio	Lower	Upper
146	100		
111	37.7	34.3	51.5
148	63.0	50.8	76.2

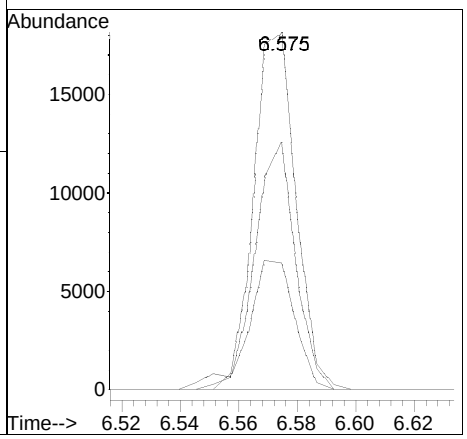


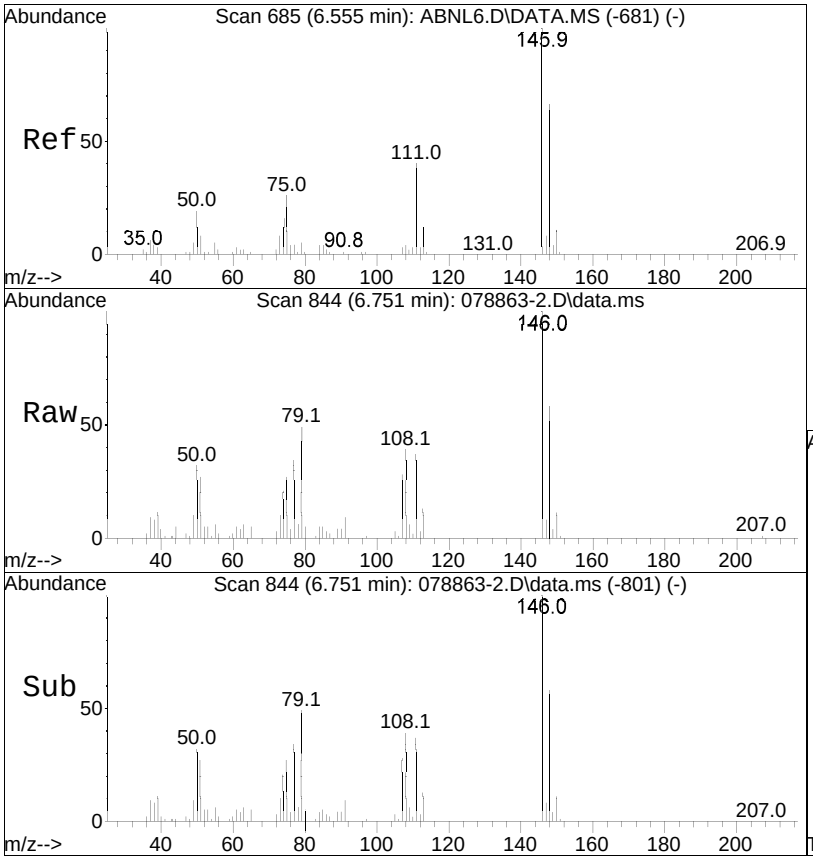


#11
1,4-Dichlorobenzene
Concen: 0.78 ug/ml
RT: 6.575 min Scan# 814
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:146 Resp: 18087

Ion	Ratio	Lower	Upper
146	100		
148	66.7	50.7	76.1
111	40.2	33.4	50.0

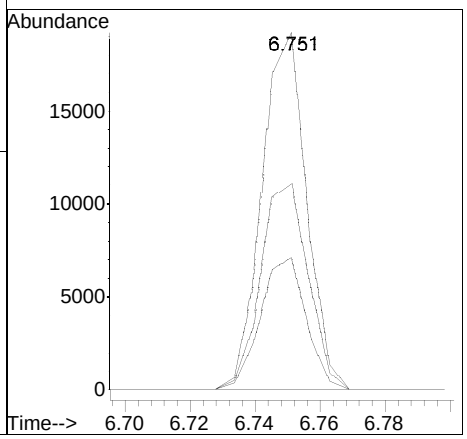


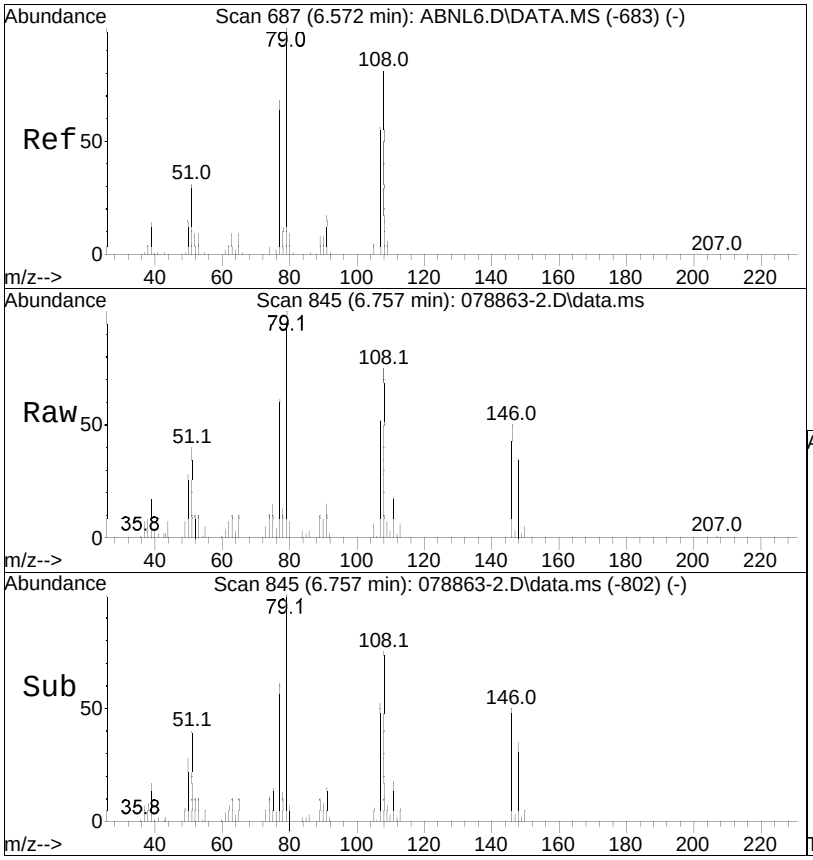


#12
1,2-Dichlorobenzene
Concen: 0.84 ug/ml
RT: 6.751 min Scan# 844
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:146 Resp: 18236

Ion	Ratio	Lower	Upper
146	100		
111	38.1	34.6	52.0
148	61.4	50.2	75.4

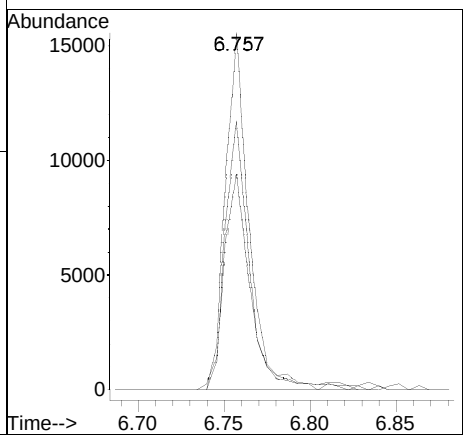


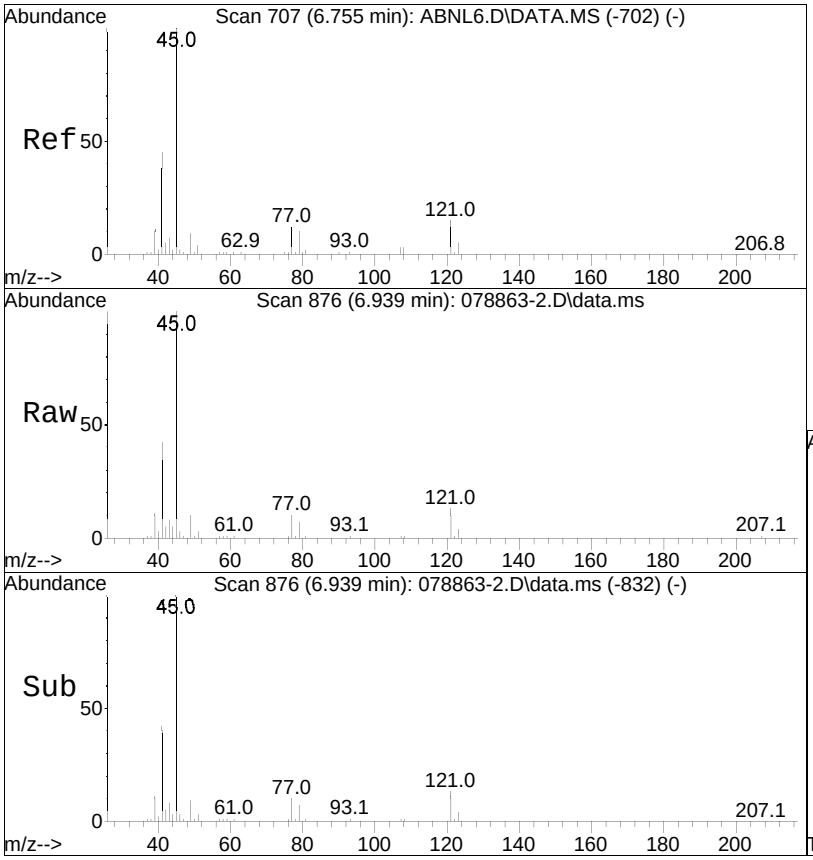


#13
Benzyl alcohol
Concen: 1.13 ug/ml
RT: 6.757 min Scan# 845
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 79 Resp: 15030

Ion	Ratio	Lower	Upper
79	100		
77	65.3	54.9	82.3
108	75.3	63.1	94.7

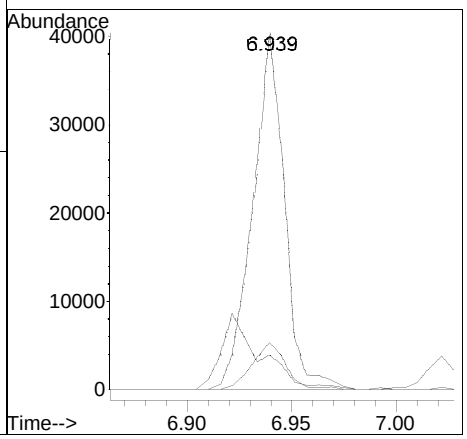


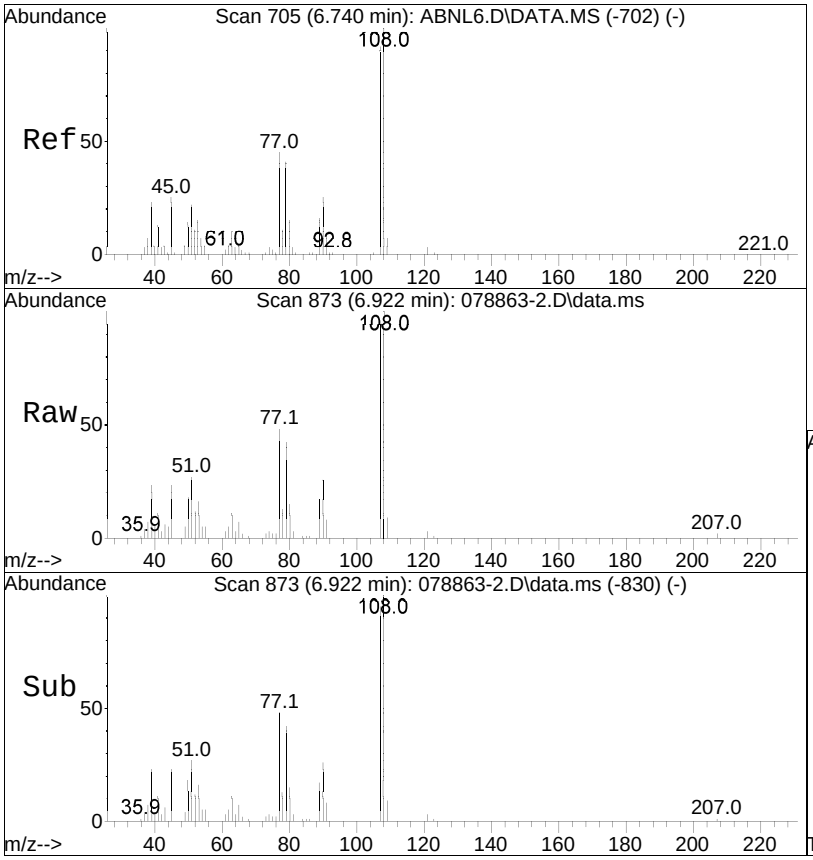


#14
Bis(2-chloroisopropyl)ether
Concen: 1.07 ug/ml
RT: 6.939 min Scan# 876
Delta R.T. 0.006 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 45 Resp: 42250

Ion	Ratio	Lower	Upper
45	100		
121	14.0	9.8	14.6
77	26.5	6.1	9.1#

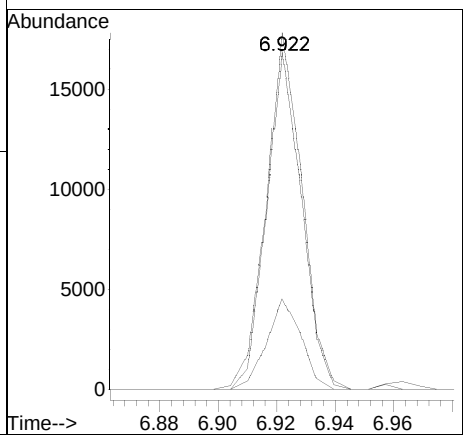


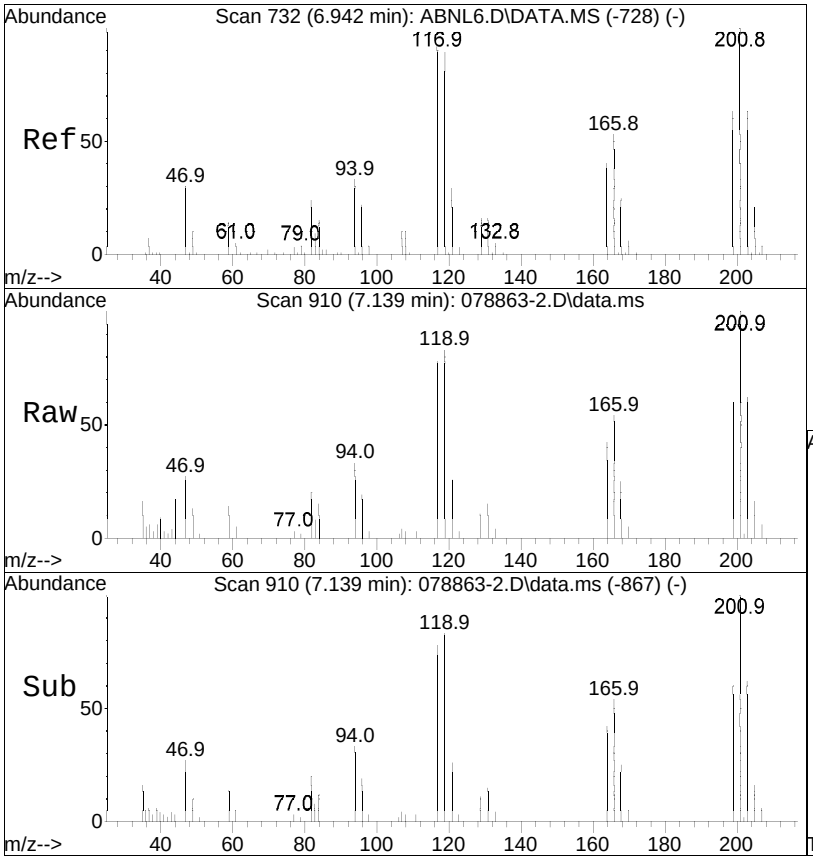


#15
2-Methylphenol
Concen: 0.81 ug/ml
RT: 6.922 min Scan# 873
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:108 Resp: 15183

Ion	Ratio	Lower	Upper
108	100		
107	91.6	70.7	106.1
90	24.5	18.7	28.1

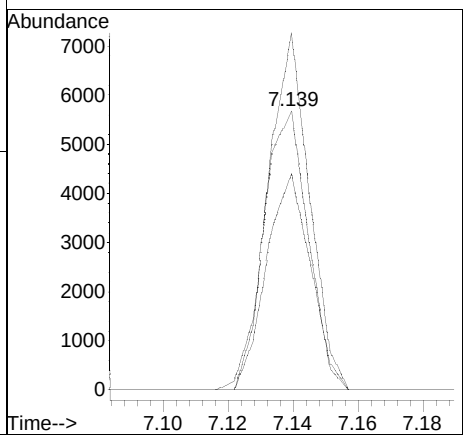


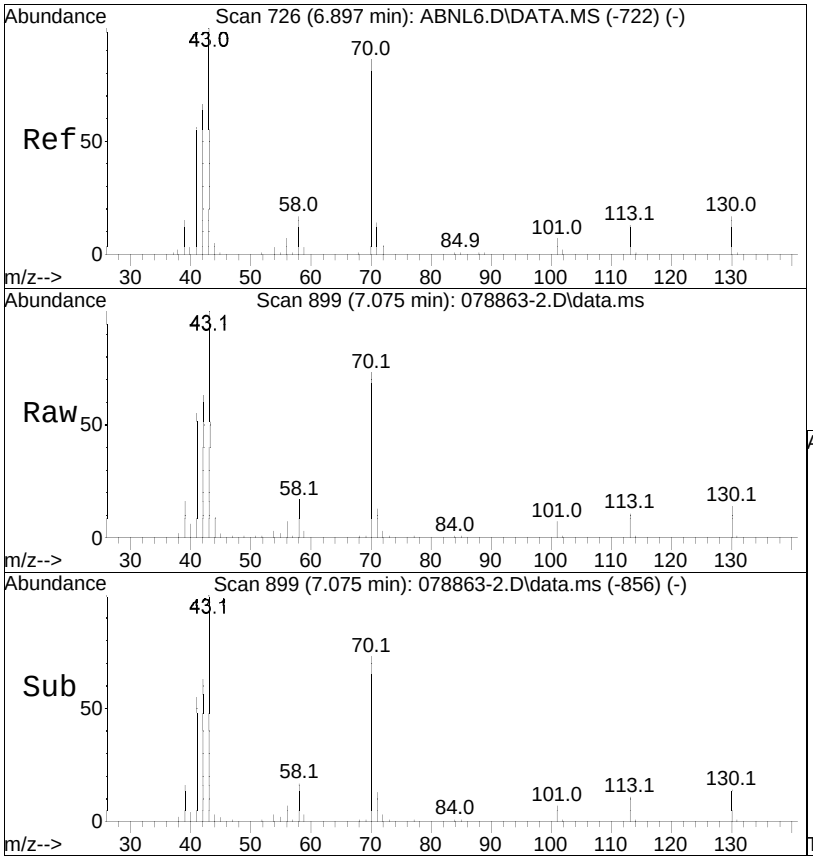


#16
Hexachloroethane
Concen: 0.68 ug/ml
RT: 7.139 min Scan# 910
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:117 Resp: 5411

Ion	Ratio	Lower	Upper
117	100		
201	118.1	58.6	87.8#
199	76.8	36.9	55.3#

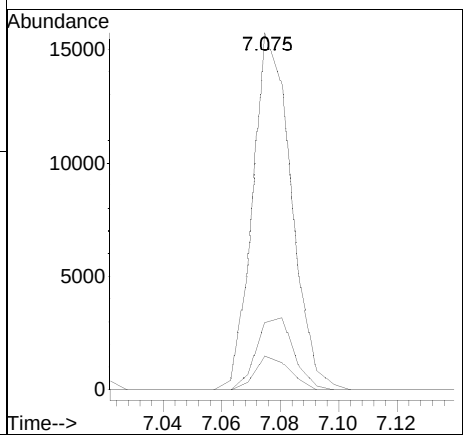


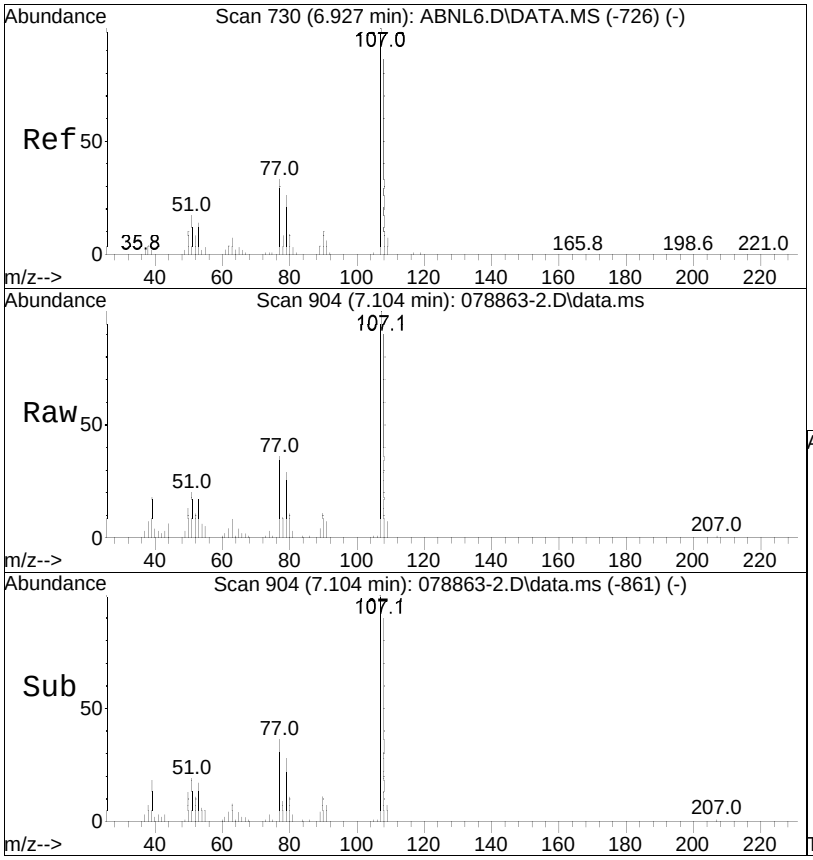


#17
n-Nitrosodi-n-propylamine
Concen: 1.15 ug/ml
RT: 7.075 min Scan# 899
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 70 Resp: 14355

Ion	Ratio	Lower	Upper
70	100		
130	19.7	18.2	27.4
101	8.5	7.8	11.8

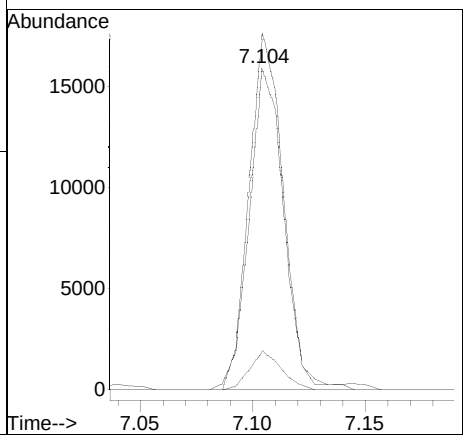


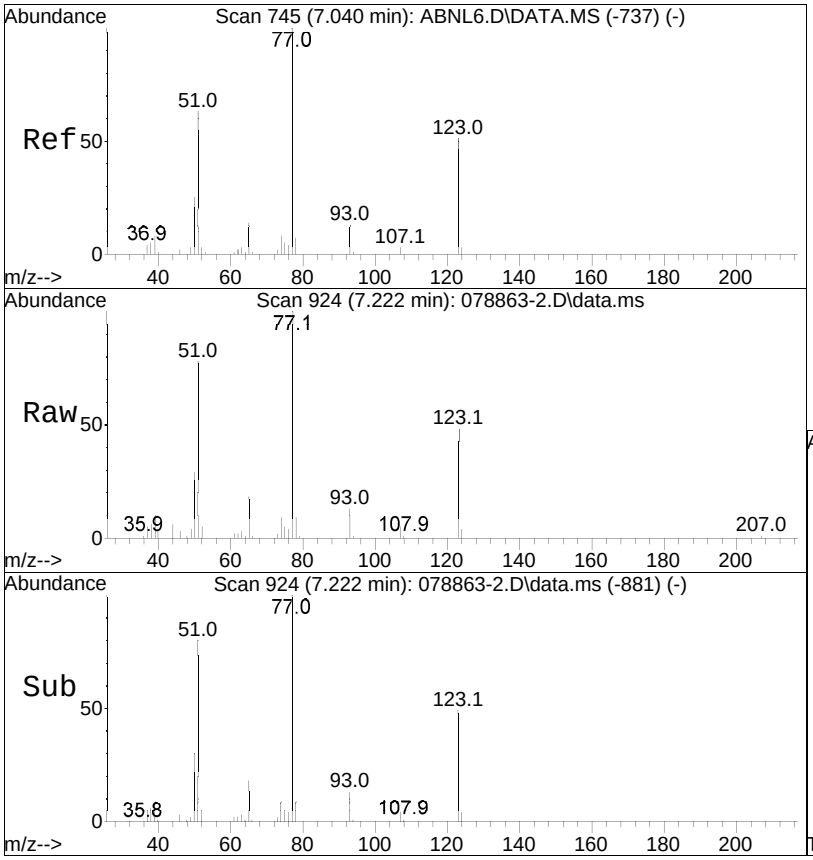


#18
3-Methylphenol/4-Methylphenol
Concen: 1.04 ug/ml
RT: 7.104 min Scan# 904
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:108 Resp: 16931

Ion	Ratio	Lower	Upper
108	100		
107	111.8	88.6	132.8
90	11.0	8.8	13.2

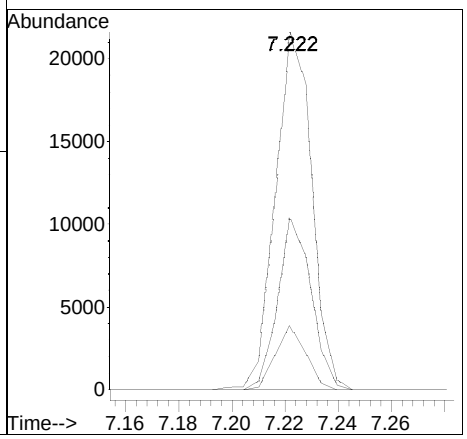


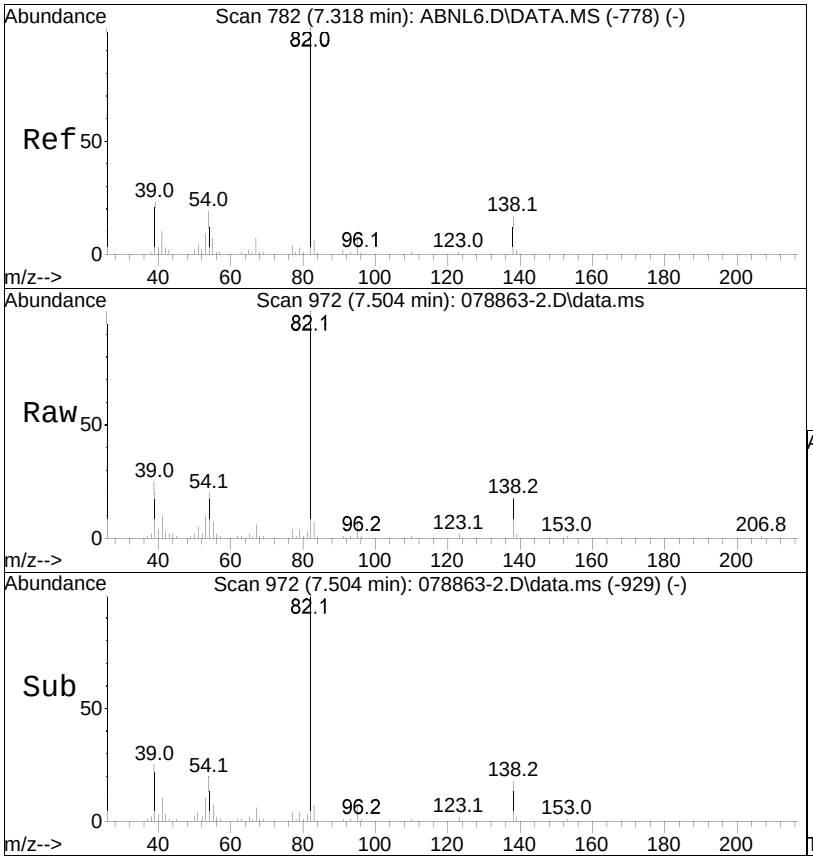


#20
Nitrobenzene
Concen: 1.25 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 77 Resp: 20451

Ion	Ratio	Lower	Upper
77	100		
123	44.2	36.3	54.5
65	15.0	11.6	17.4

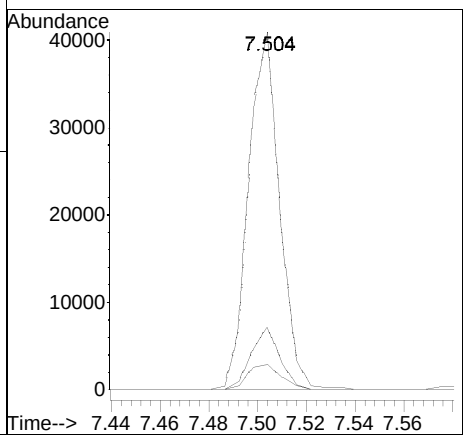


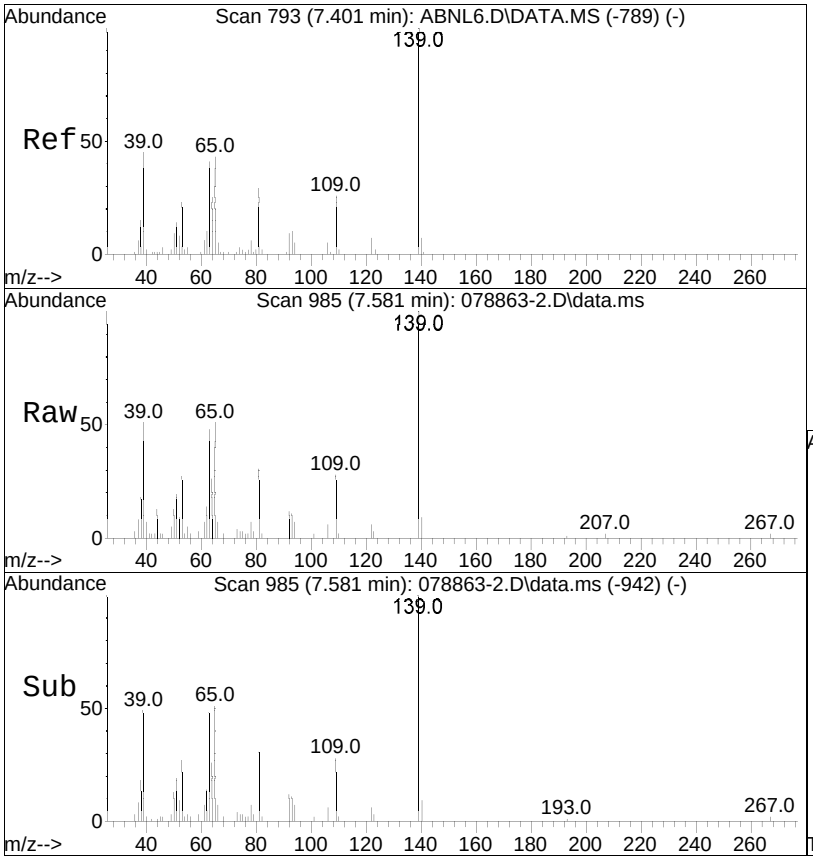


#21
Isophorone
Concen: 1.06 ug/ml
RT: 7.504 min Scan# 972
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 82 Resp: 35809

Ion	Ratio	Lower	Upper
82	100		
138	16.1	14.7	22.1
95	7.6	5.2	7.8

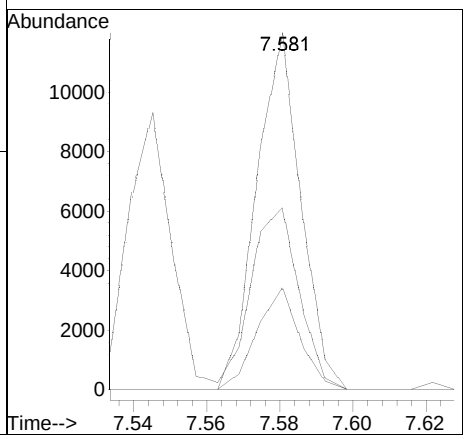


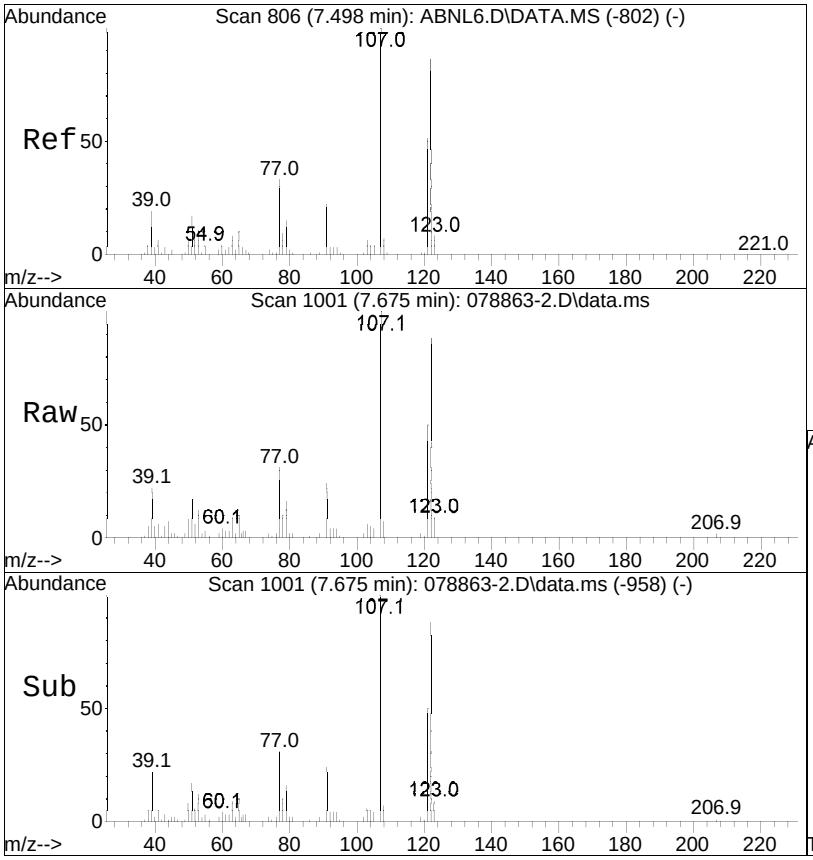


#22
2-Nitrophenol
Concen: 1.35 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:139 Resp: 10071

Ion	Ratio	Lower	Upper
139	100		
109	27.7	19.4	29.0
65	55.4	46.1	69.1

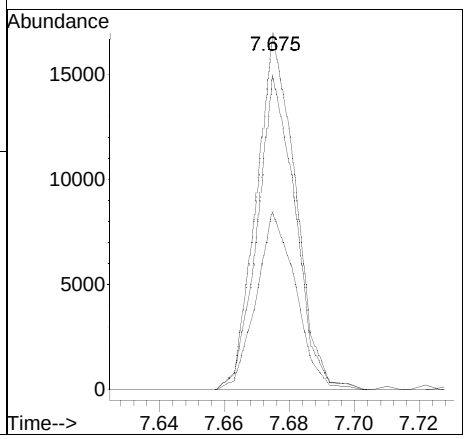


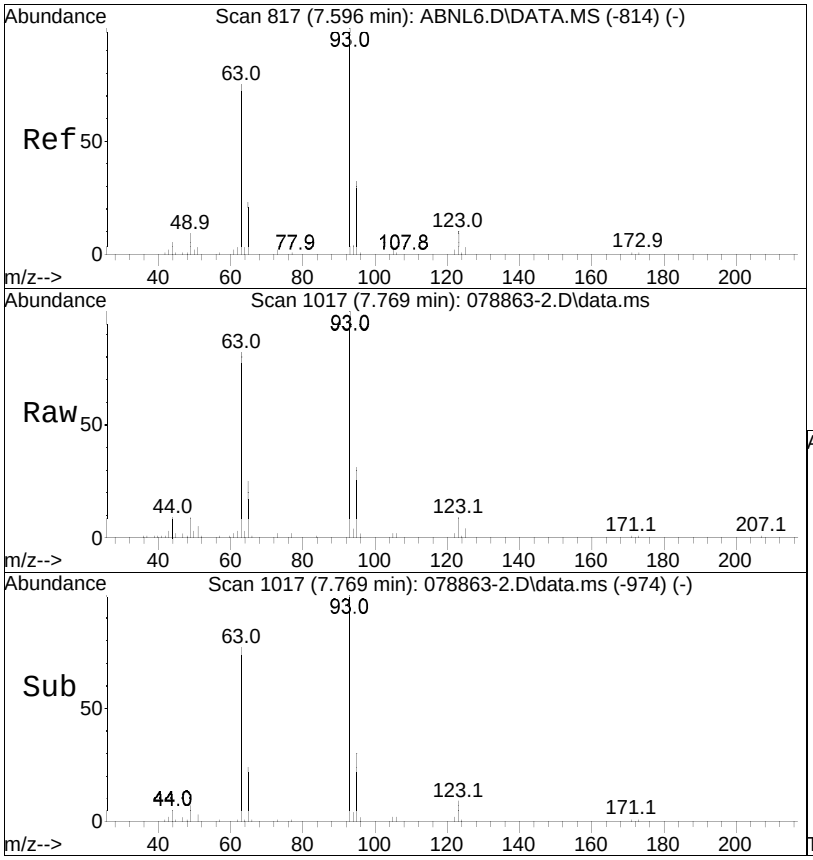


#23
2,4-Dimethylphenol
Concen: 0.80 ug/ml
RT: 7.675 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:107 Resp: 14124

Ion	Ratio	Lower	Upper
107	100		
121	50.6	40.0	60.0
122	85.9	70.2	105.4

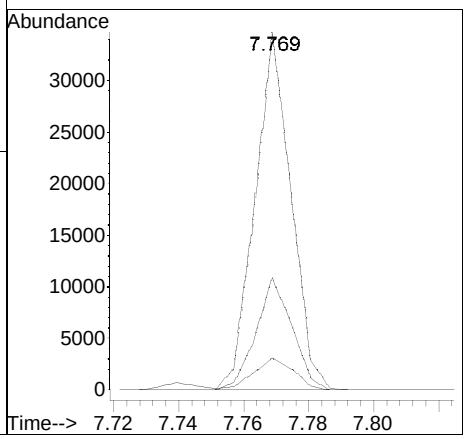


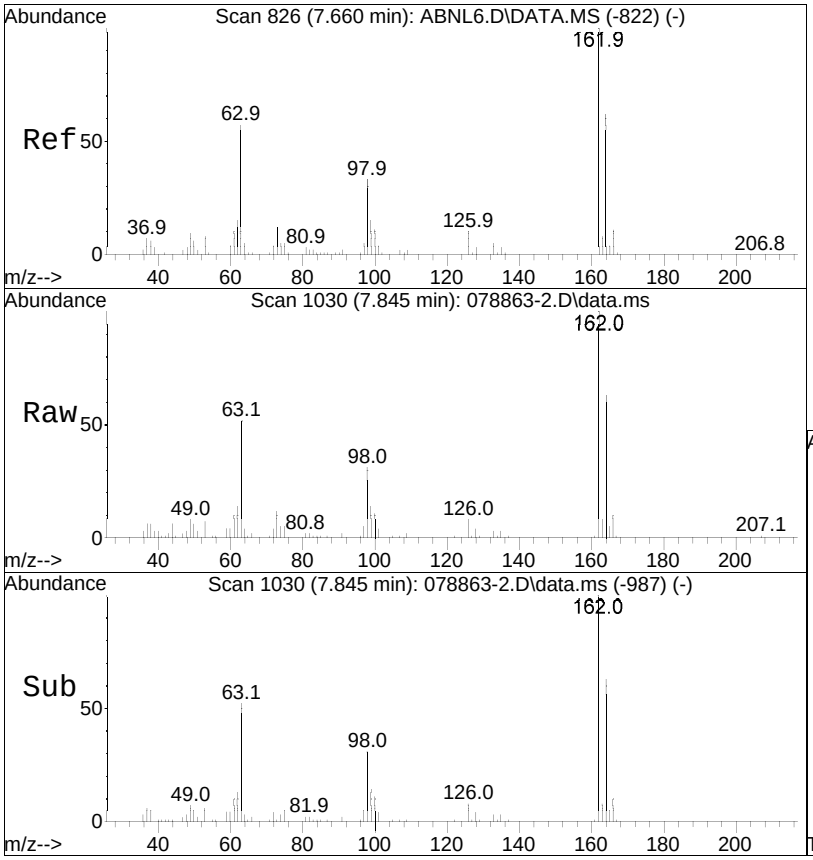


#24
Bis(2-chloroethoxy)methane
Concen: 1.10 ug/ml
RT: 7.769 min Scan# 1017
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 93 Resp: 26377

Ion	Ratio	Lower	Upper
93	100		
95	31.5	25.8	38.8
123	10.1	10.1	15.1#

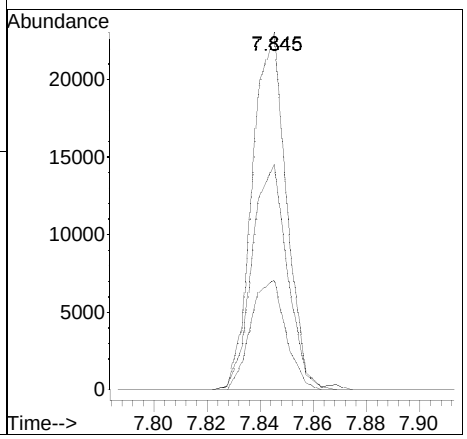


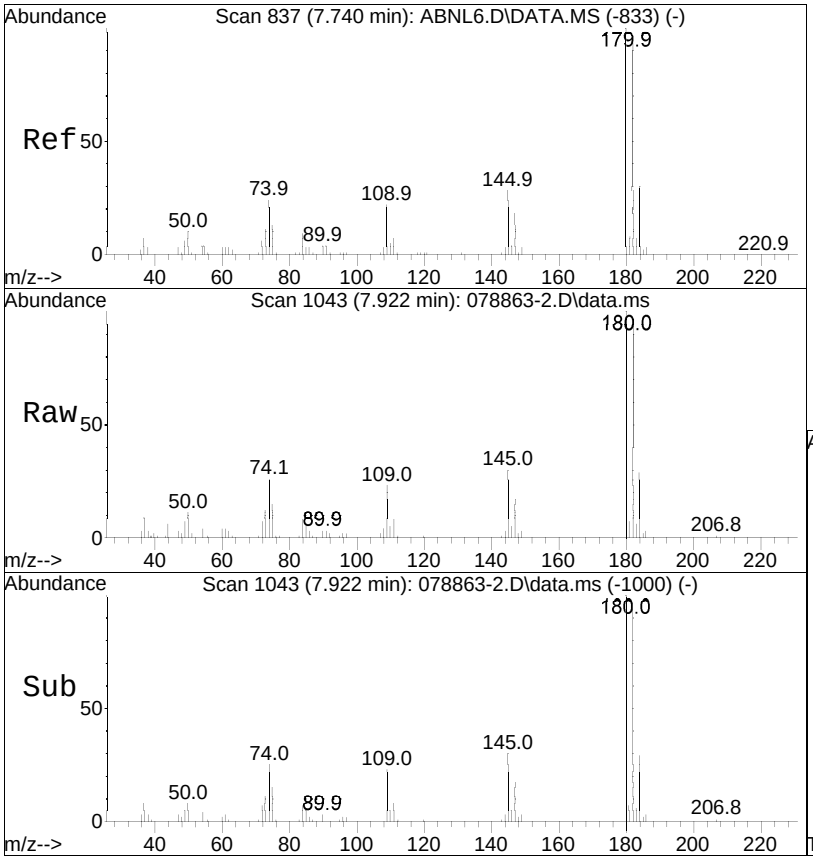


#25
2,4-Dichlorophenol
Concen: 1.22 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:162 Resp: 20338

Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.0	76.4
98	31.7	32.2	48.2#

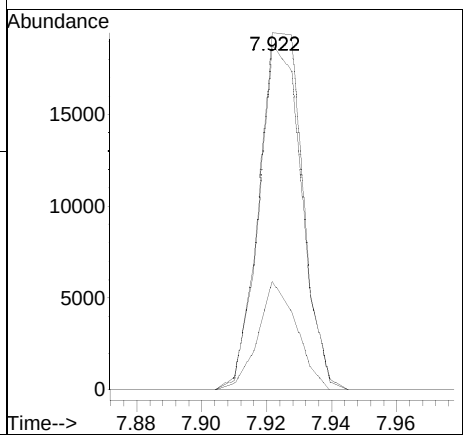


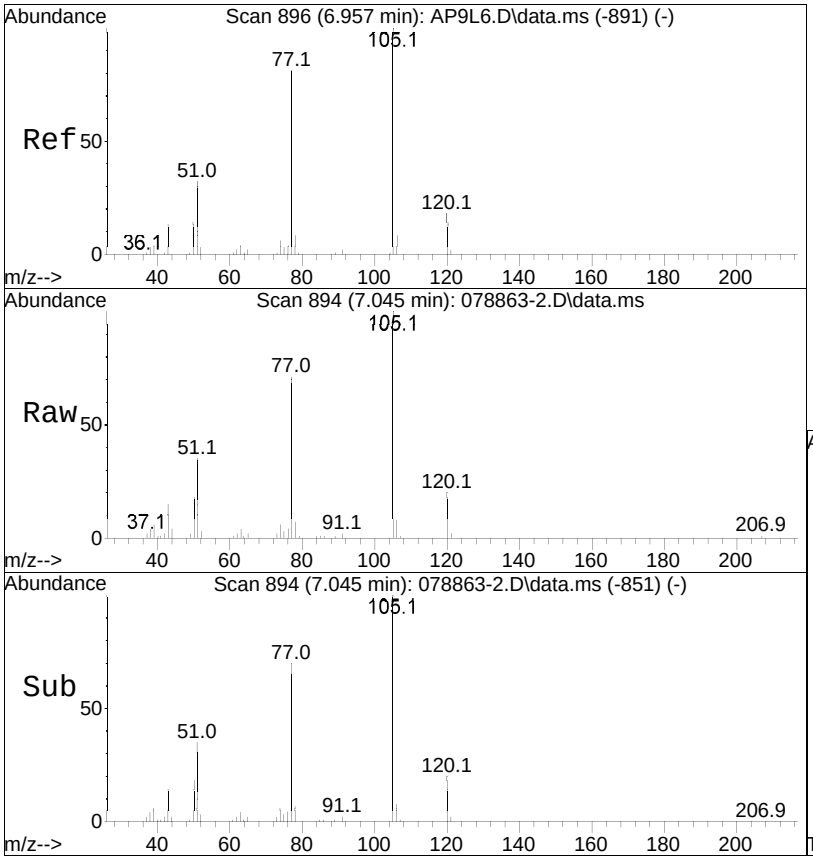


#26
1,2,4-Trichlorobenzene
Concen: 0.85 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:180 Resp: 18171

Ion	Ratio	Lower	Upper
180	100		
182	94.5	76.0	114.0
145	26.7	25.7	38.5

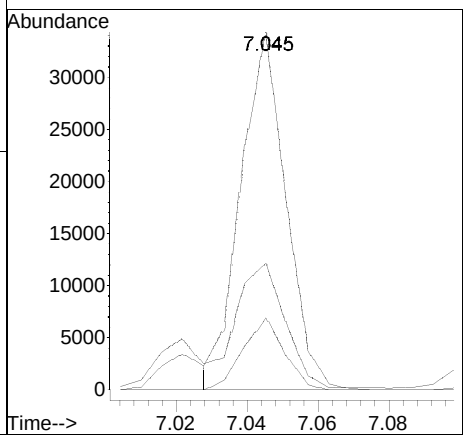


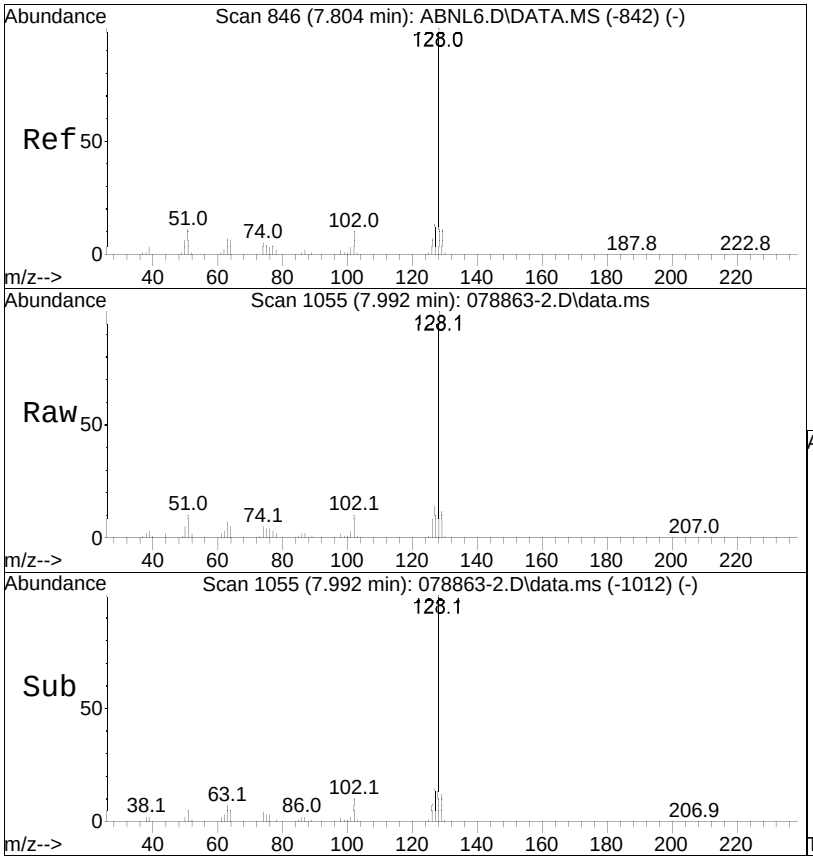


#29
Acetophenone
Concen: 1.25 ug/ml M6
RT: 7.045 min Scan# 894
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:105 Resp: 30226

Ion	Ratio	Lower	Upper
105	100		
120	18.5	20.5	30.7#
51	53.9	34.9	52.3#

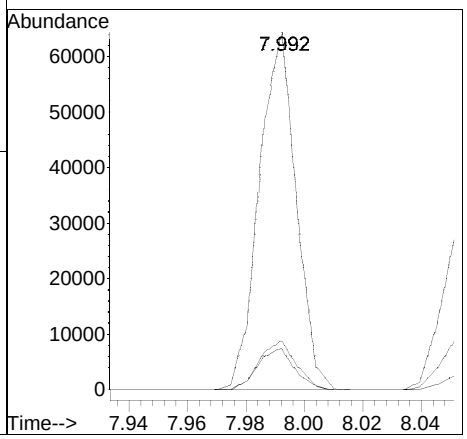


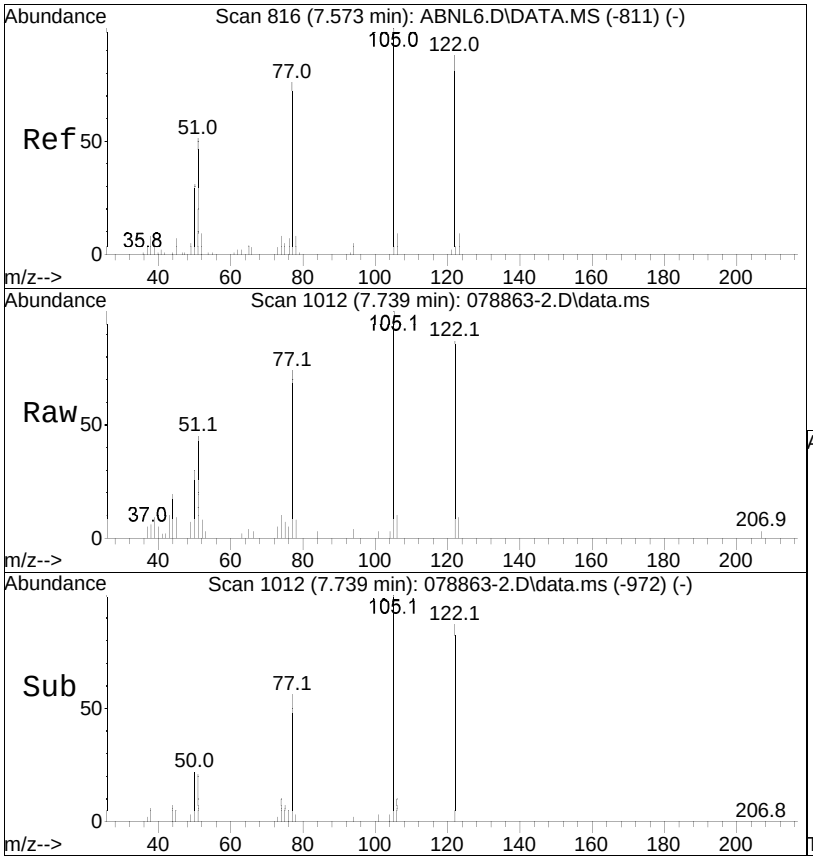


#36
Naphthalene
Concen: 0.98 ug/ml
RT: 7.992 min Scan# 1055
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:128 Resp: 55912

Ion	Ratio	Lower	Upper
128	100		
129	11.7	8.7	13.1
127	13.7	10.3	15.5

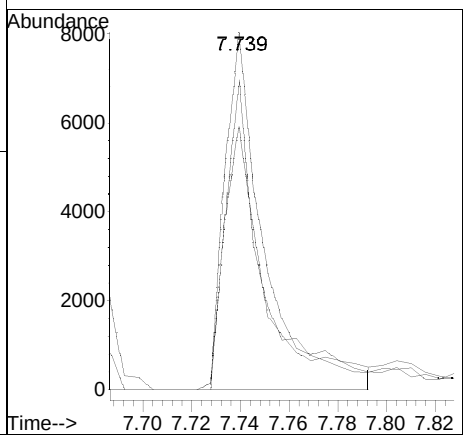


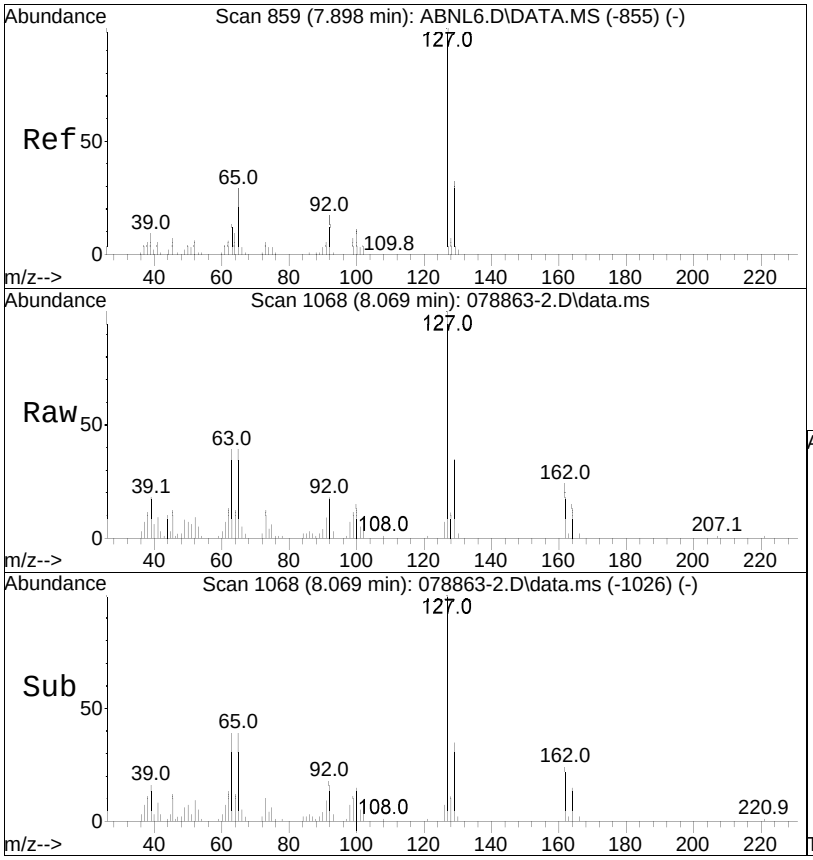


#37
Benzoic Acid
Concen: 1.48 ug/ml
RT: 7.739 min Scan# 1012
Delta R.T. -0.018 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:105 Resp: 9165

Ion	Ratio	Lower	Upper
105	100		
122	80.2	59.9	89.9
77	83.3	60.1	90.1

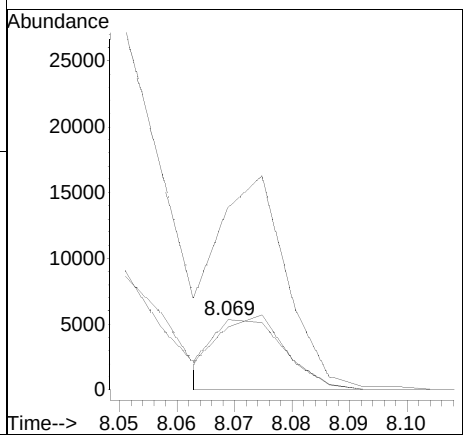


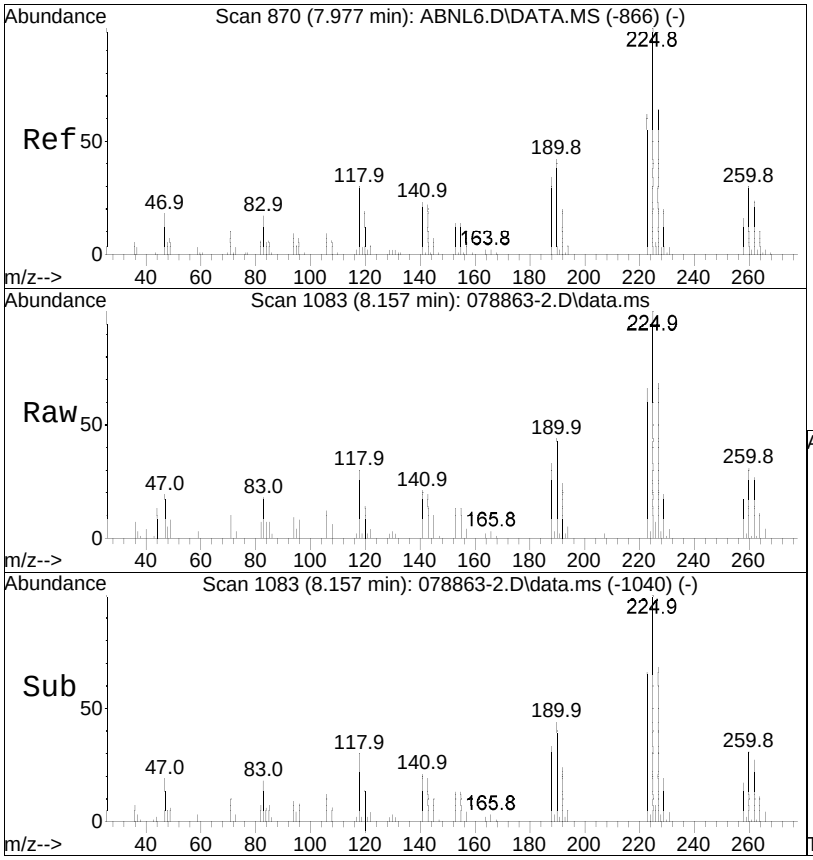


#38
4-Chloroaniline
Concen: 0.65 ug/ml M3
RT: 8.069 min Scan# 1068
Delta R.T. -0.006 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 65 Resp: 4567

Ion	Ratio	Lower	Upper
65	100		
127	495.1	237.6	356.4#
129	162.0	76.3	114.5#

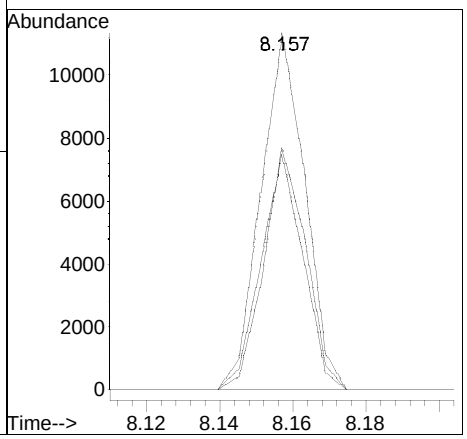


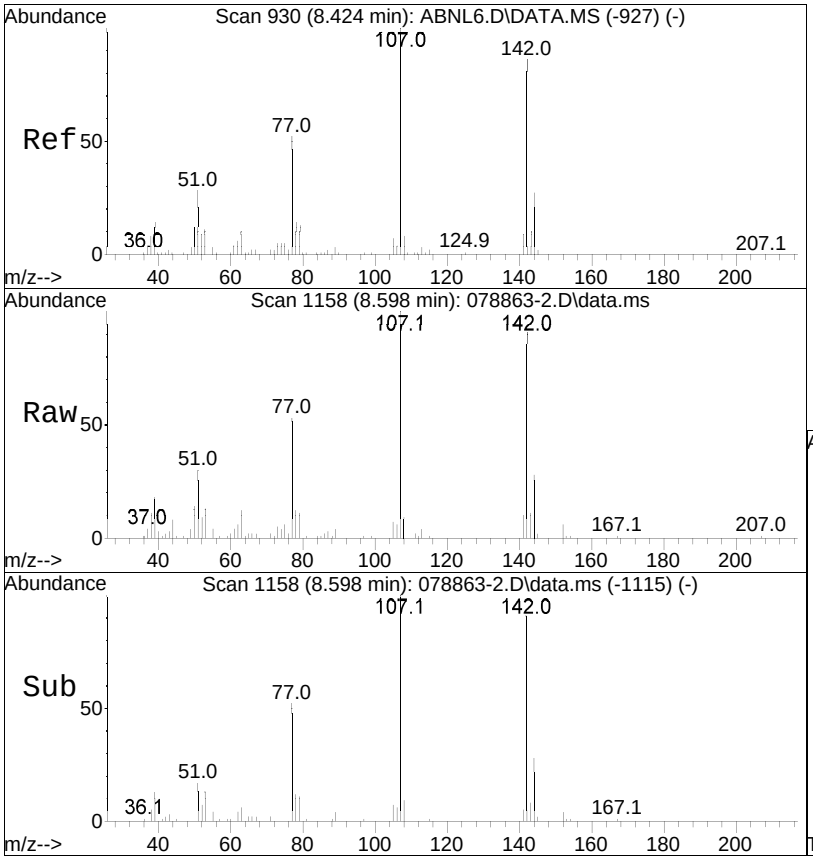


#39
Hexachlorobutadiene
Concen: 0.73 ug/ml
RT: 8.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:225 Resp: 9433

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.3	75.5
227	64.7	52.2	78.2

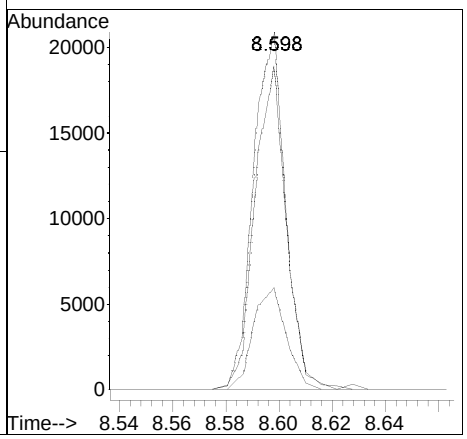


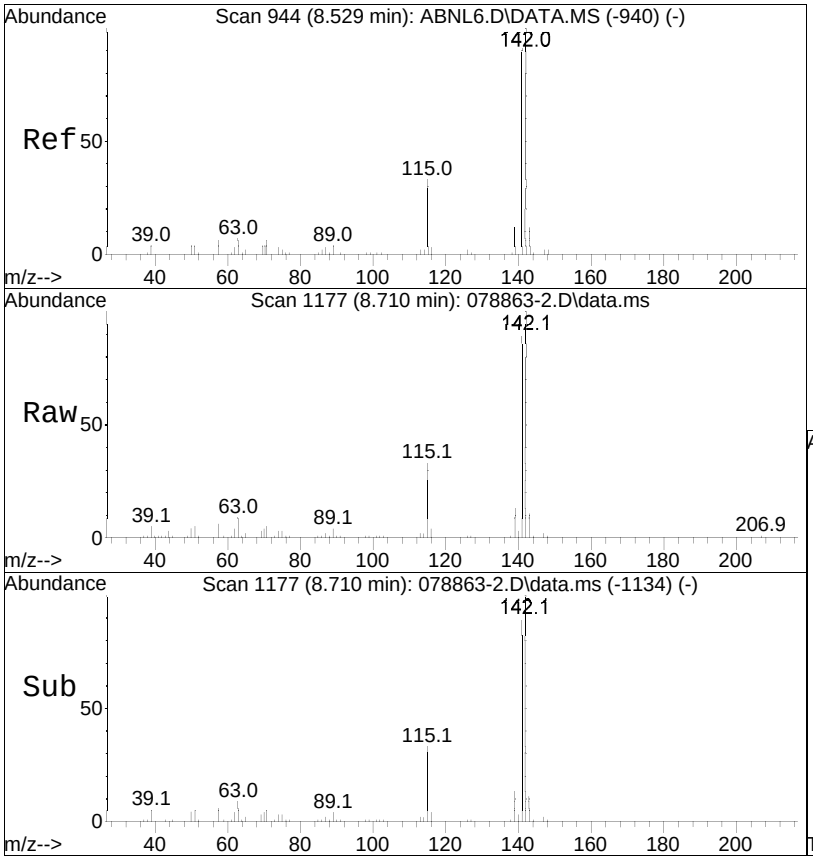


#40
p-Chloro-m-cresol
Concen: 1.00 ug/ml
RT: 8.598 min Scan# 1158
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:107 Resp: 17391

Ion	Ratio	Lower	Upper
107	100		
144	29.4	20.9	31.3
142	88.0	66.1	99.1

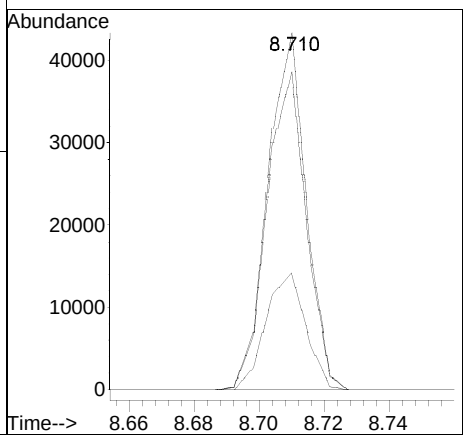


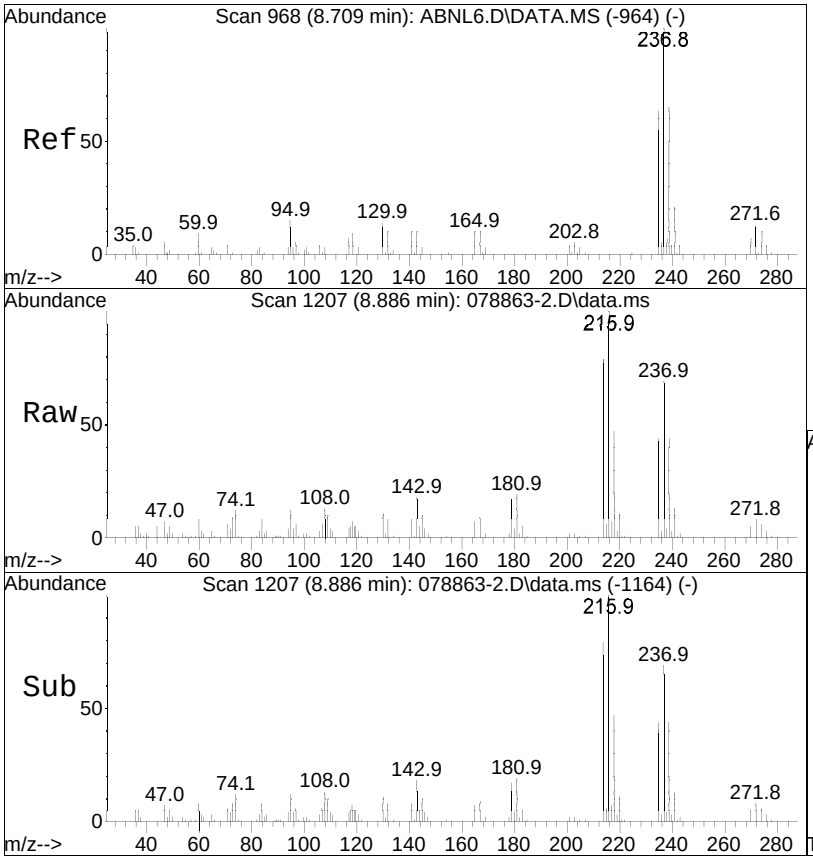


#41
2-Methylnaphthalene
Concen: 1.04 ug/ml
RT: 8.710 min Scan# 1177
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:142 Resp: 35437

Ion	Ratio	Lower	Upper
142	100		
141	91.2	69.6	104.4
115	34.2	26.6	40.0

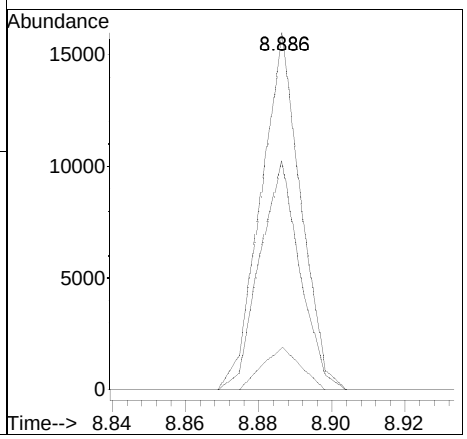


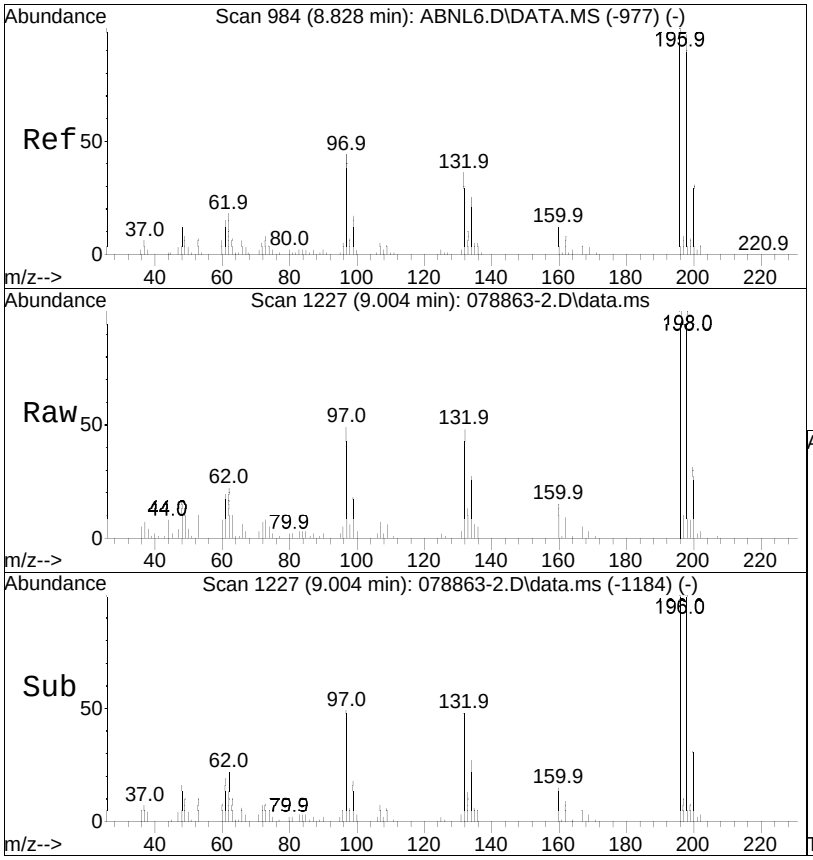


#43
Hexachlorocyclopentadiene
Concen: 0.75 ug/ml
RT: 8.886 min Scan# 1207
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:237 Resp: 12059

Ion	Ratio	Lower	Upper
237	100		
235	64.8	49.7	74.5
272	11.4	9.8	14.6

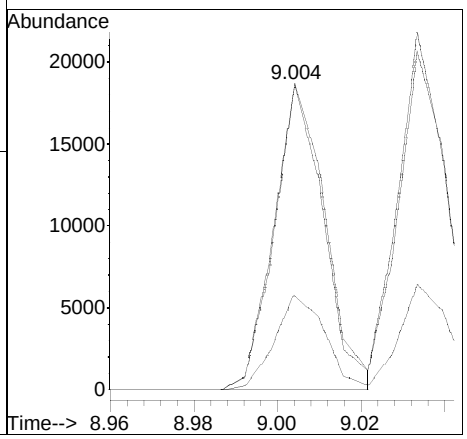


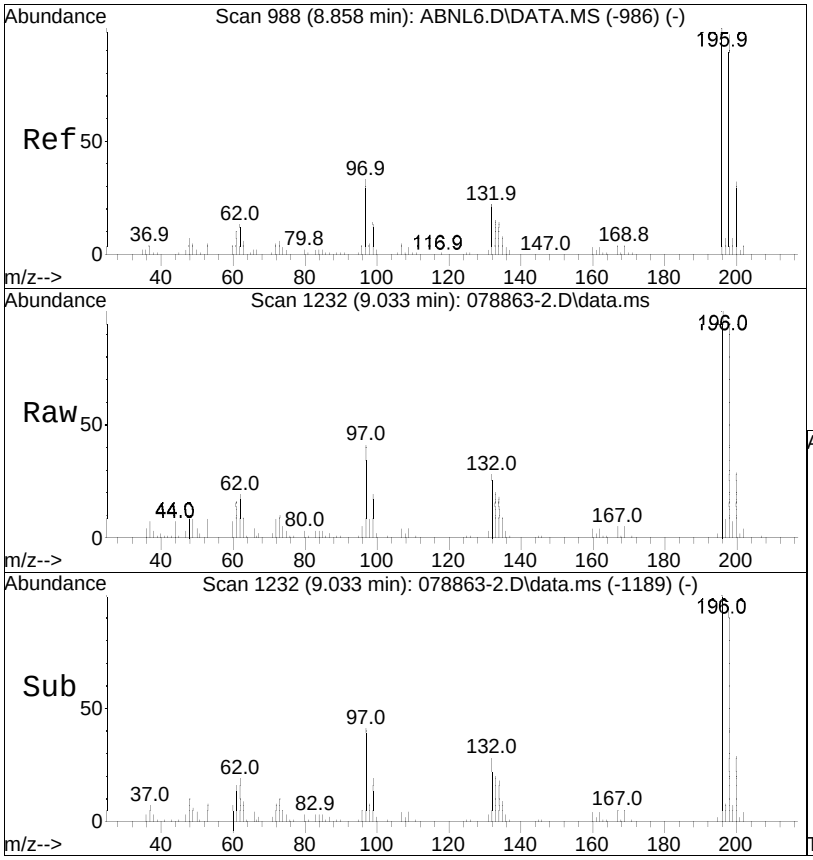


#44
2,4,6-Trichlorophenol
Concen: 1.19 ug/ml
RT: 9.004 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:196 Resp: 15993

Ion	Ratio	Lower	Upper
196	100		
198	95.4	77.5	116.3
200	30.6	23.8	35.6

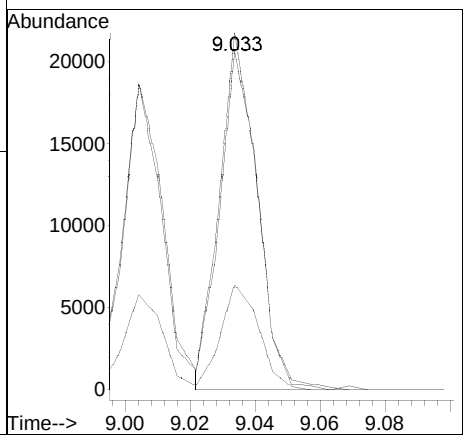


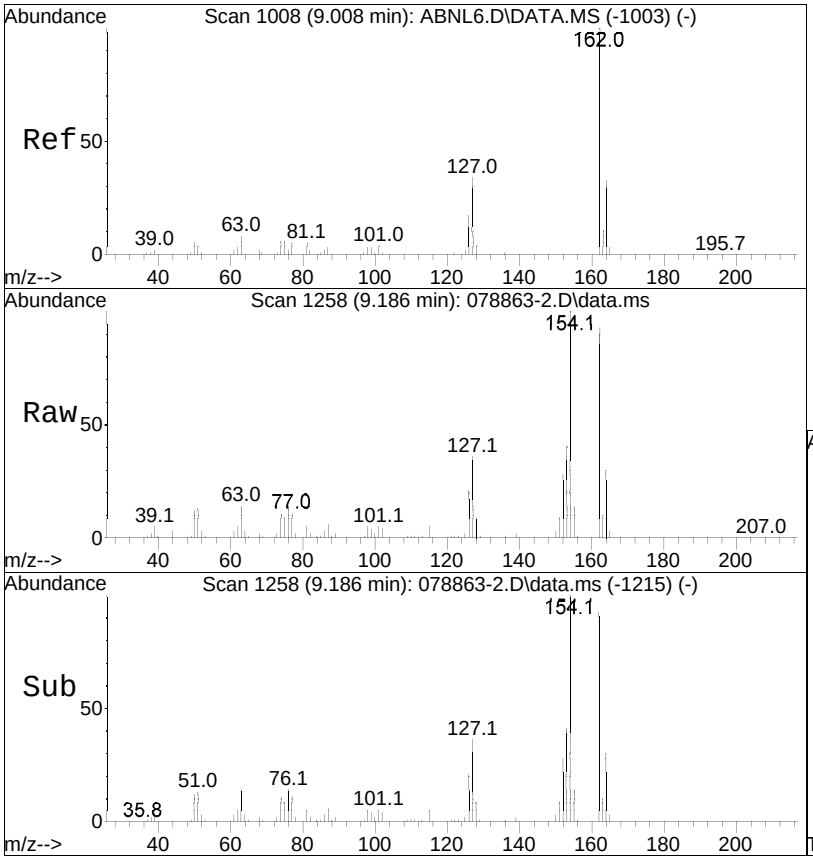


#45
2,4,5-Trichlorophenol
Concen: 1.29 ug/ml
RT: 9.033 min Scan# 1232
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:196 Resp: 17482

Ion	Ratio	Lower	Upper
196	100		
200	29.9	25.4	38.0
198	95.9	78.0	117.0

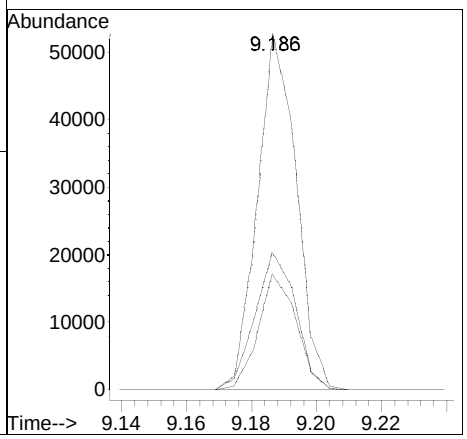


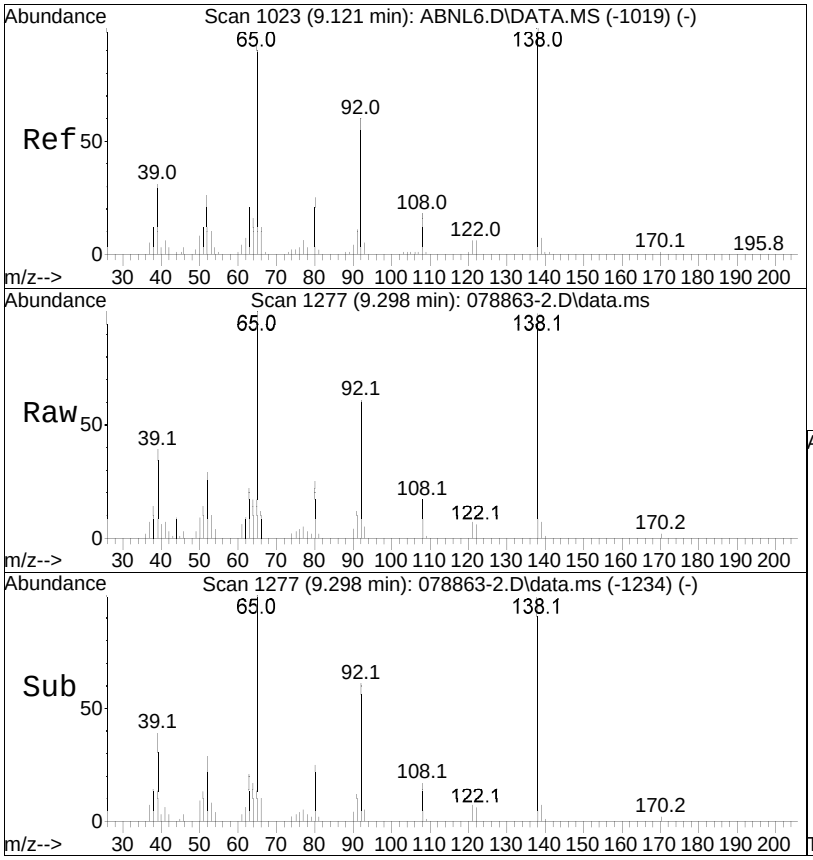


#47
2-Chloronaphthalene
Concen: 1.08 ug/ml
RT: 9.186 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:162 Resp: 43437

Ion	Ratio	Lower	Upper
162	100		
127	40.8	32.2	48.4
164	32.1	25.7	38.5

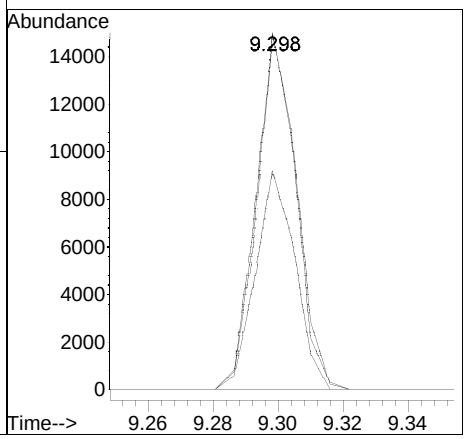


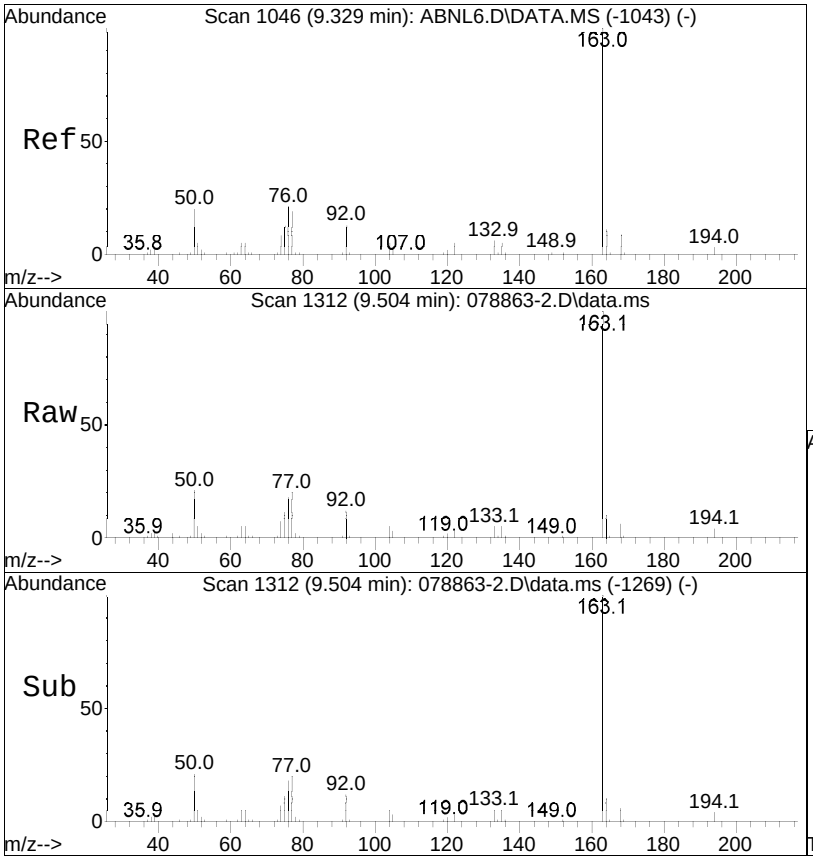


#48
2-Nitroaniline
Concen: 1.42 ug/ml
RT: 9.298 min Scan# 1277
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:138 Resp: 12546

Ion	Ratio	Lower	Upper
138	100		
92	61.7	53.5	80.3
65	99.8	86.3	129.5

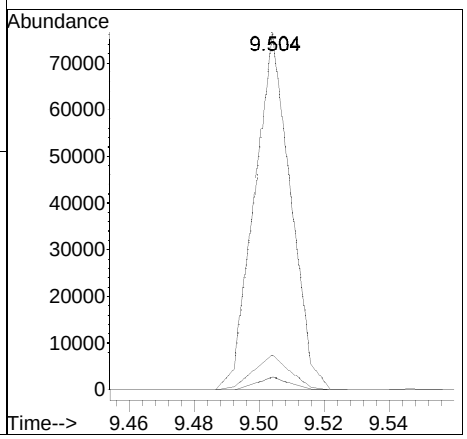


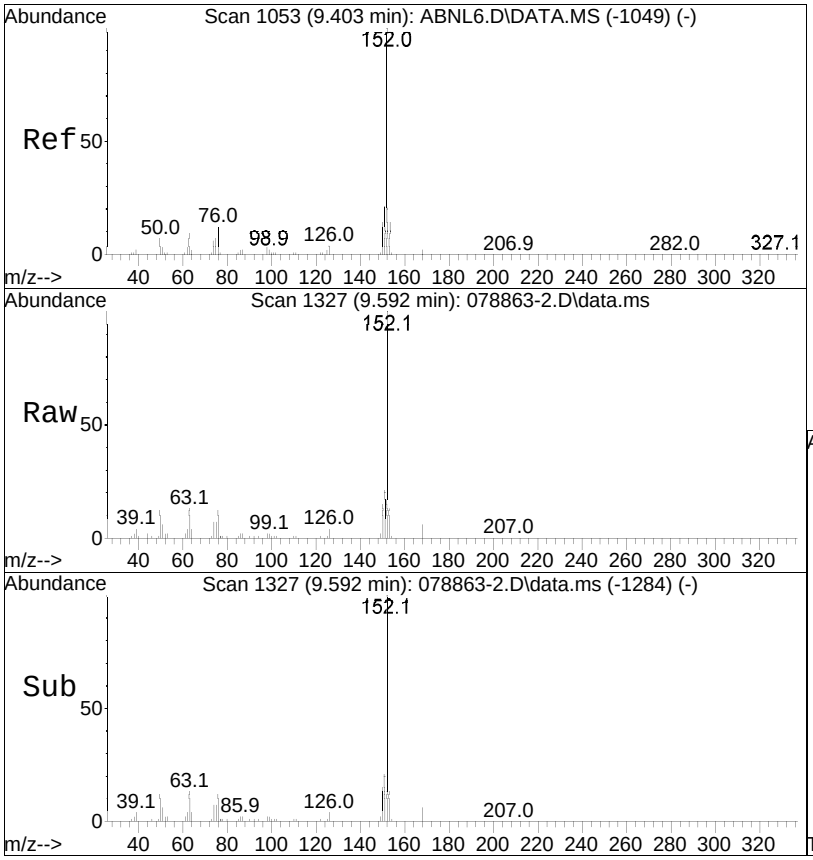


#51
Dimethyl phthalate
Concen: 1.21 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:163 Resp: 58449

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.0	7.9	11.9

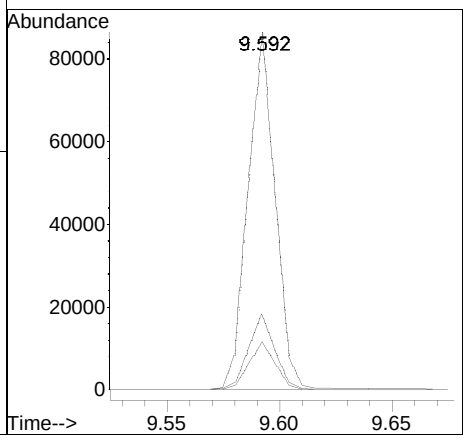


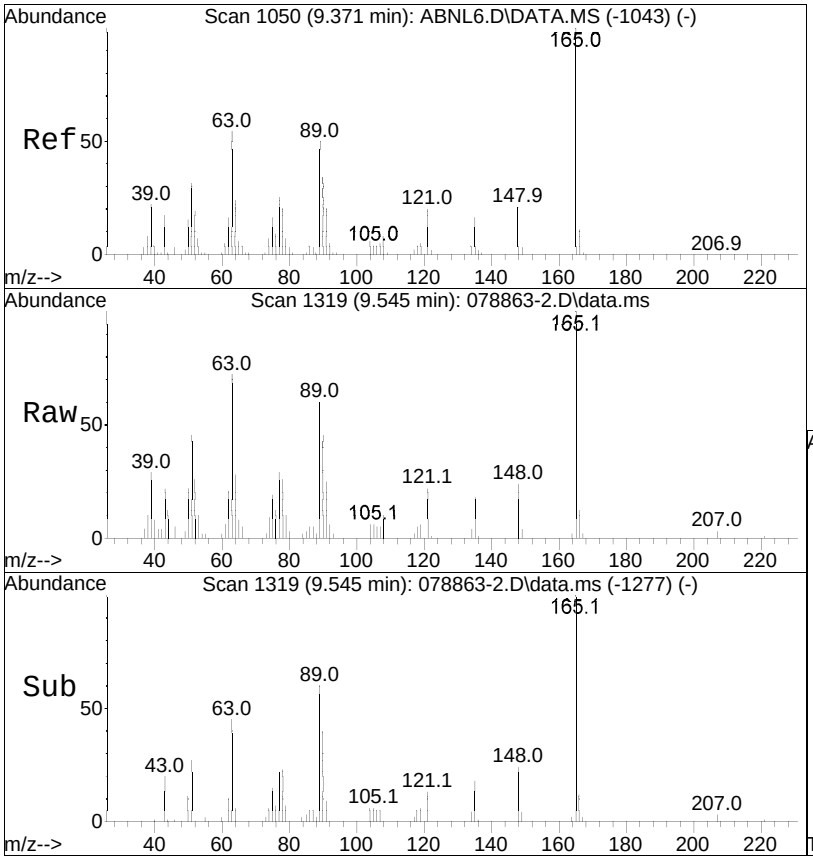


#52
Acenaphthylene
Concen: 1.12 ug/ml
RT: 9.592 min Scan# 1327
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:152 Resp: 71762

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	13.0	10.5	15.7

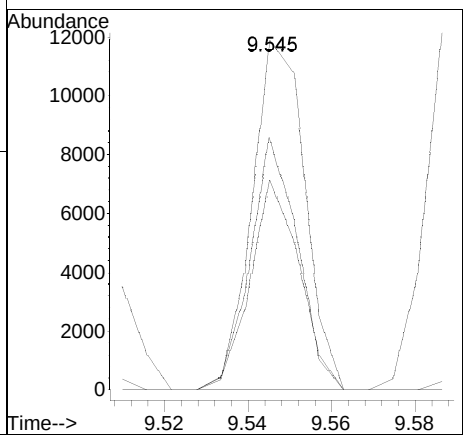


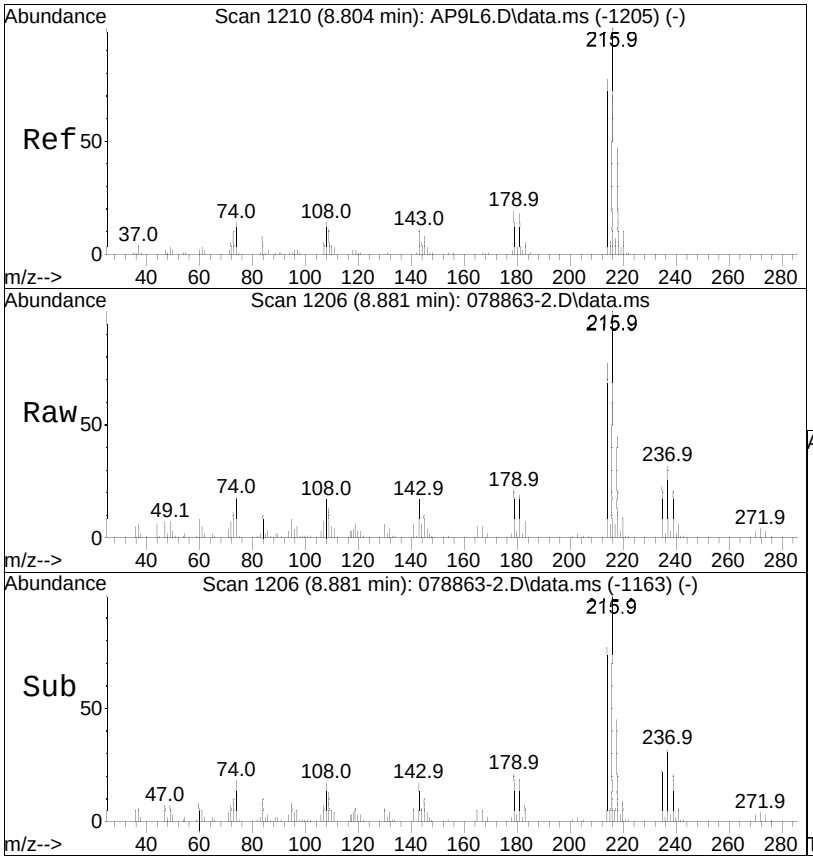


#53
2,6-Dinitrotoluene
Concen: 1.30 ug/ml
RT: 9.545 min Scan# 1319
Delta R.T. -0.006 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:165 Resp: 10430

Ion	Ratio	Lower	Upper
165	100		
89	56.1	54.2	81.2
63	64.8	64.2	96.2

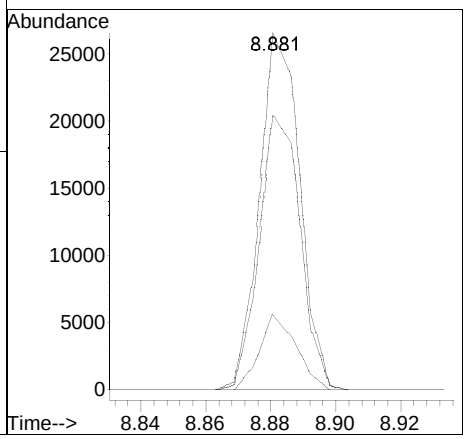


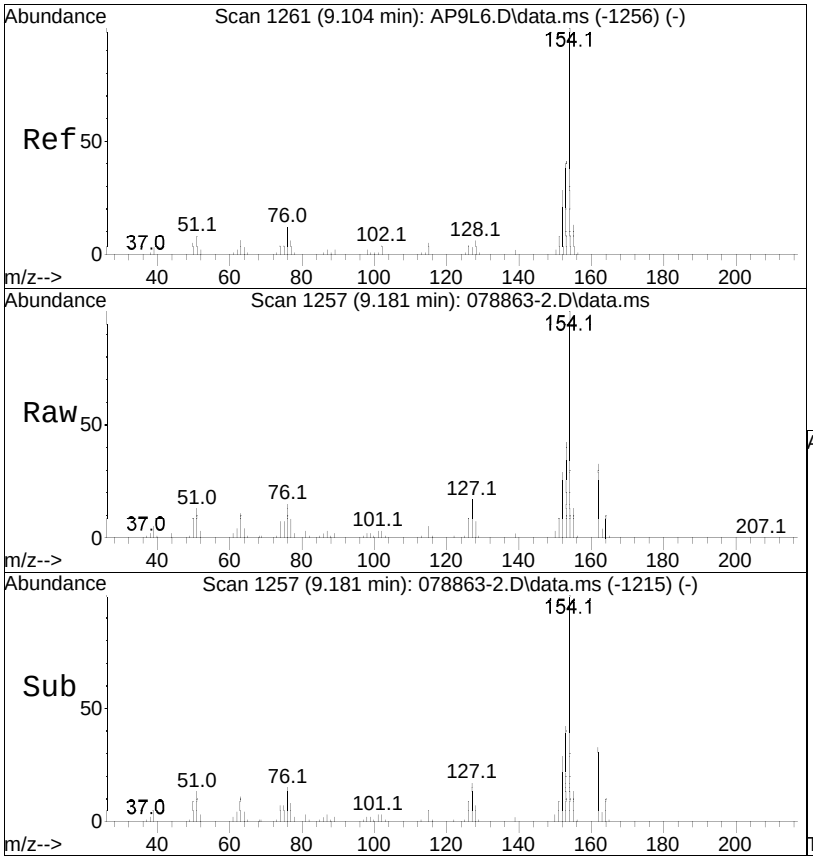


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.07 ug/ml
RT: 8.881 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:216 Resp: 22878

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.7	95.5
179	19.3	19.0	28.6

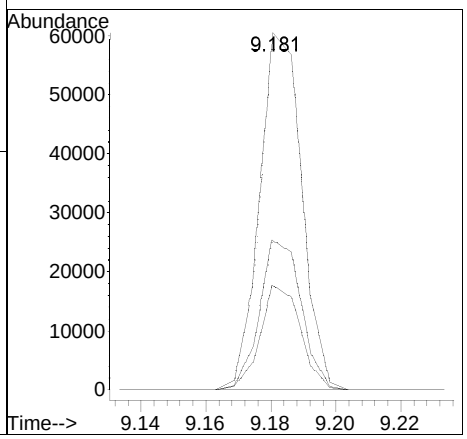


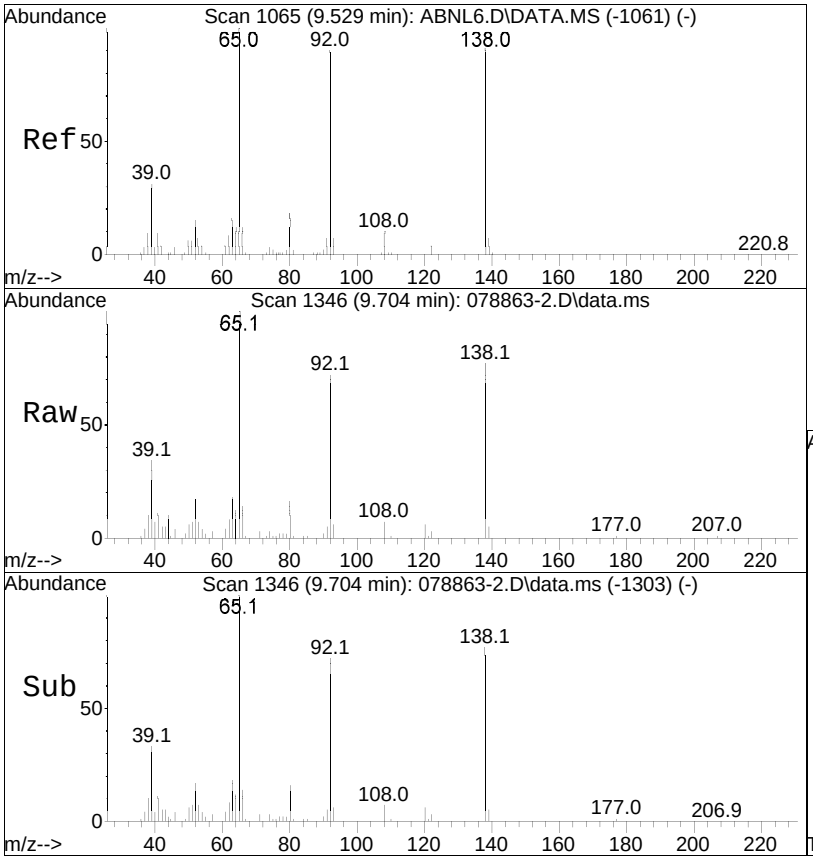


#62
Biphenyl
Concen: 1.15 ug/ml
RT: 9.181 min Scan# 1257
Delta R.T. -0.006 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:154 Resp: 54122

Ion	Ratio	Lower	Upper
154	100		
153	41.6	32.3	48.5
152	28.2	22.5	33.7

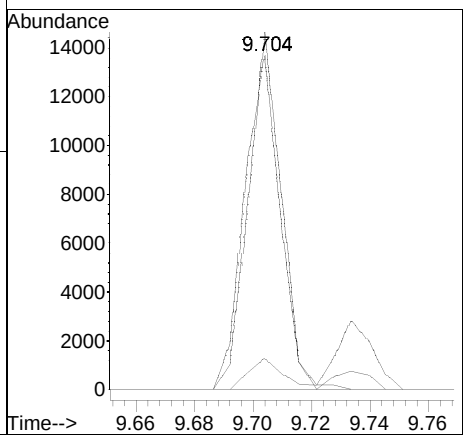


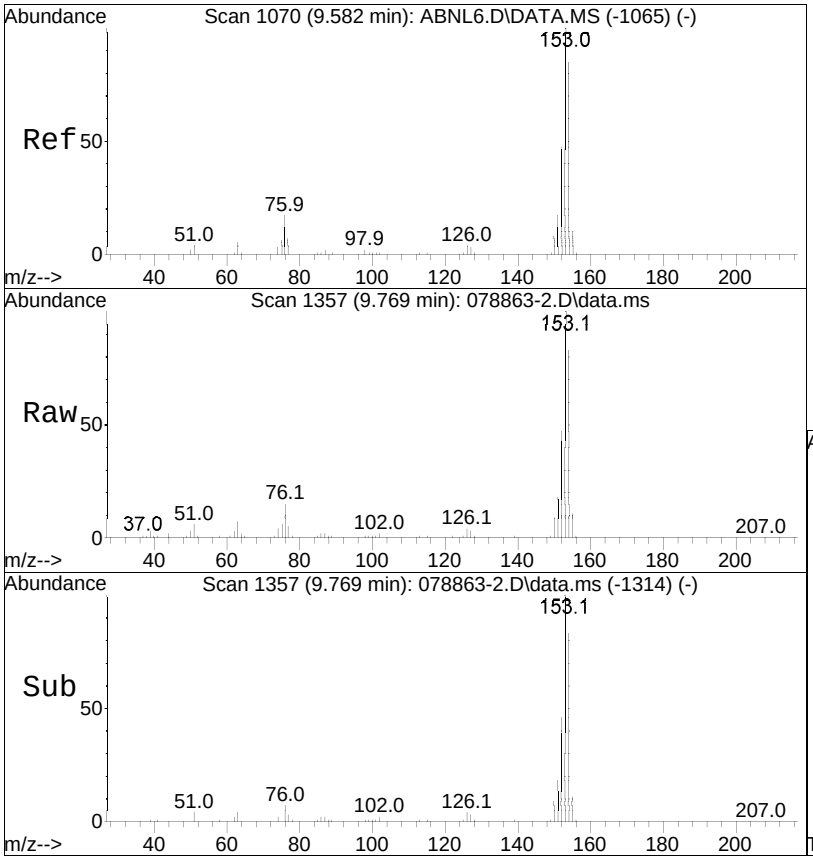


#64
3-Nitroaniline
Concen: 1.37 ug/ml
RT: 9.704 min Scan# 1346
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:138 Resp: 11356

Ion	Ratio	Lower	Upper
138	100		
92	100.6	93.4	140.2
108	9.3	9.5	14.3#

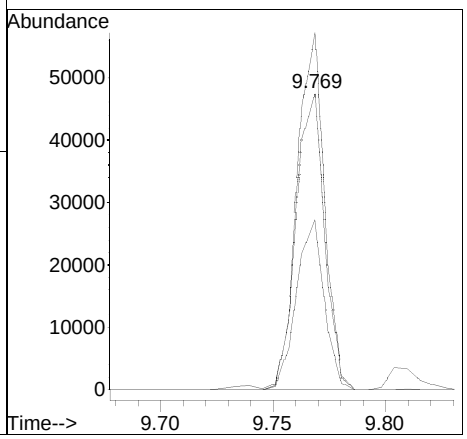


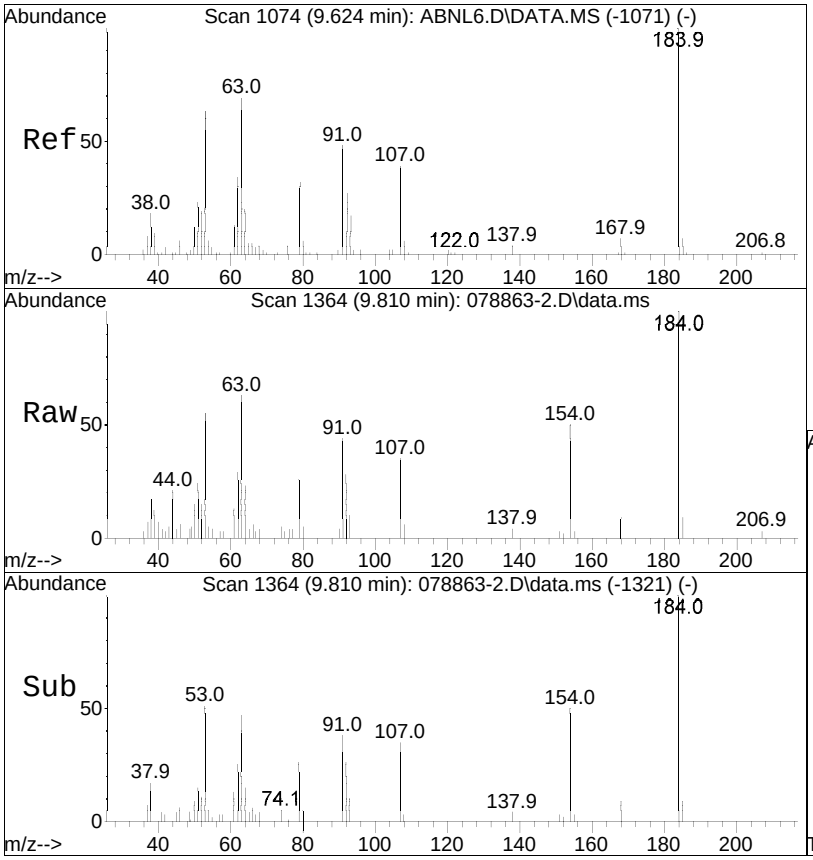


#65
Acenaphthene
Concen: 1.16 ug/ml
RT: 9.769 min Scan# 1357
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:154 Resp: 42224

Ion	Ratio	Lower	Upper
154	100		
153	113.7	85.3	127.9
152	55.4	41.4	62.0

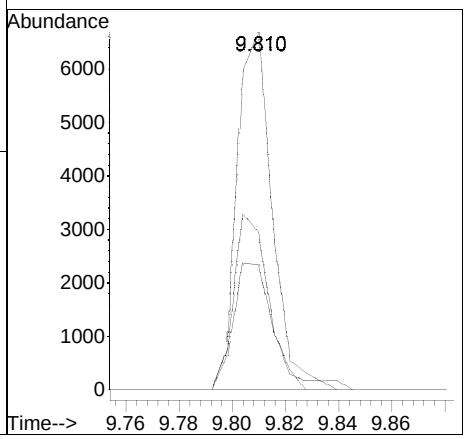


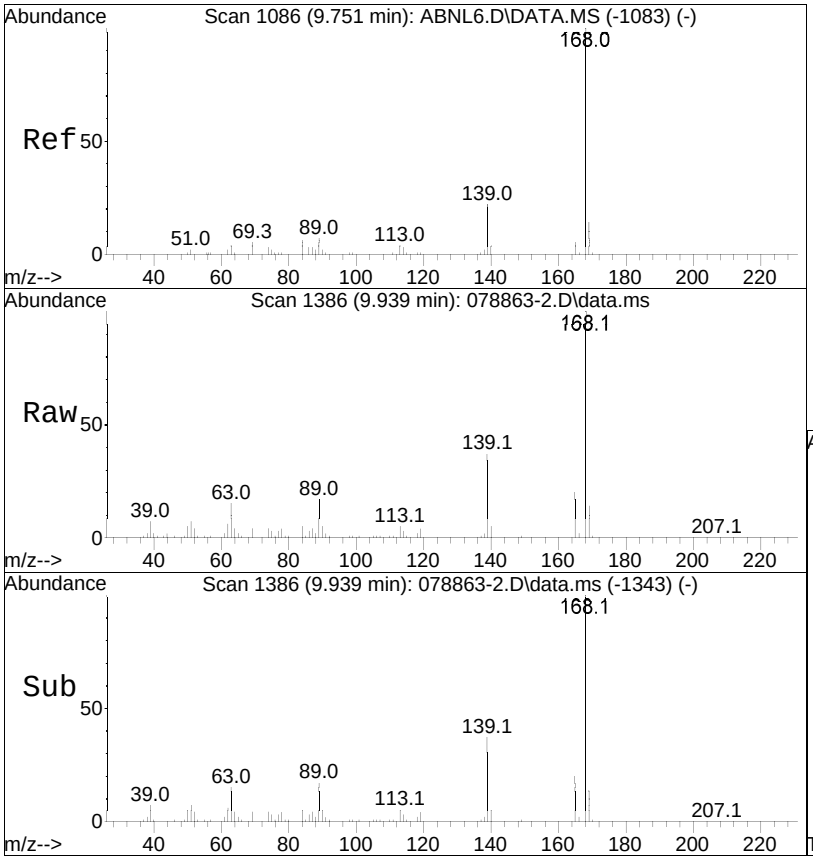


#66
2,4-Dinitrophenol
Concen: 1.54 ug/ml
RT: 9.810 min Scan# 1364
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:184 Resp: 6177

Ion	Ratio	Lower	Upper
184	100		
107	38.7	37.7	56.5
91	49.6	46.3	69.5

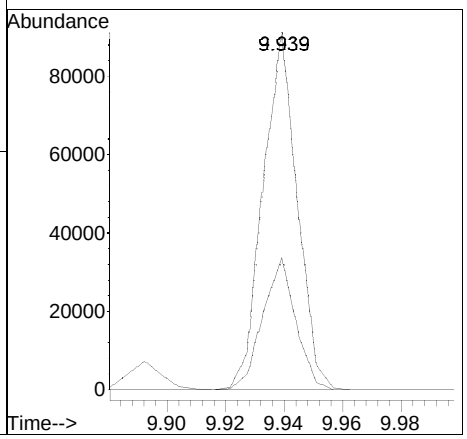


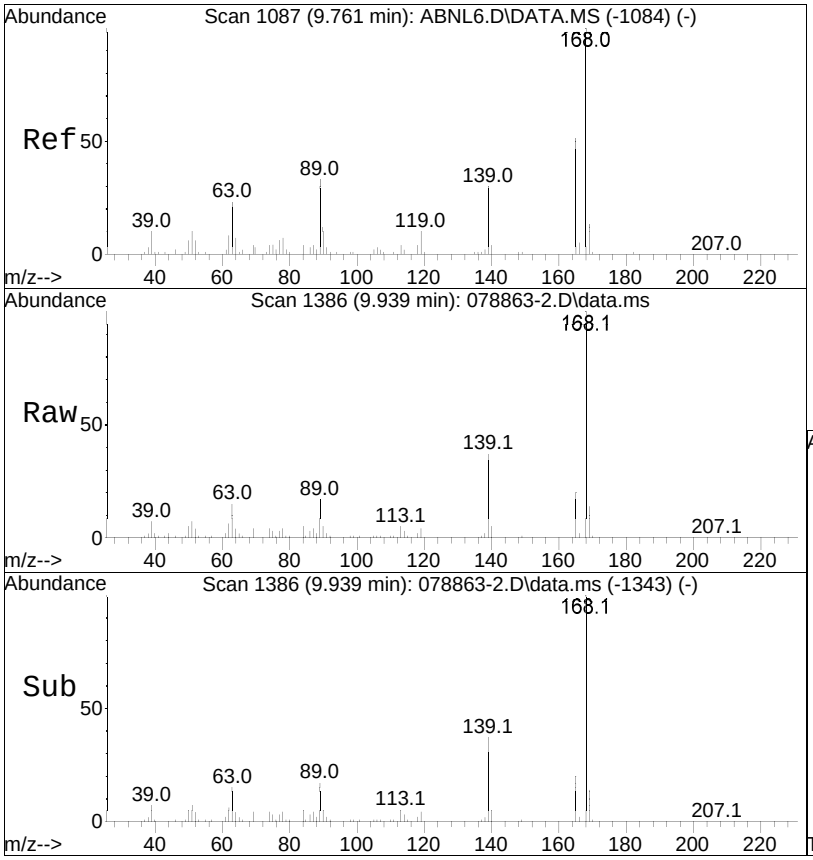


#67
Dibenzofuran
Concen: 1.16 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:168 Resp: 73211

Ion	Ratio	Lower	Upper
168	100		
139	35.9	31.4	47.2

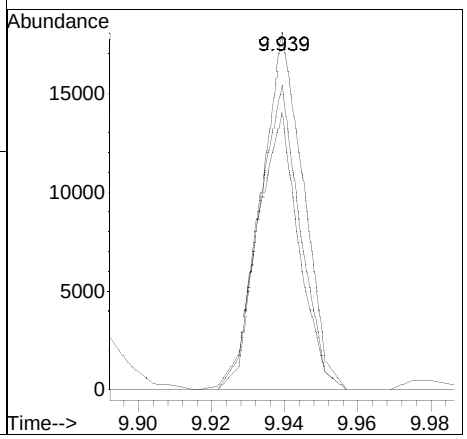


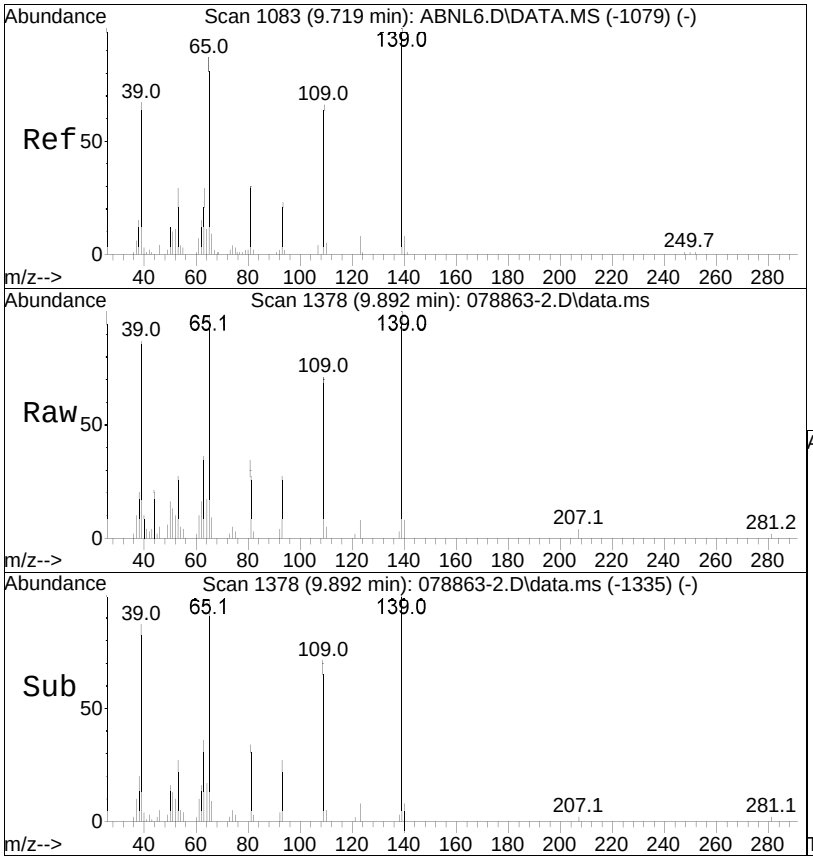


#68
2,4-Dinitrotoluene
Concen: 1.34 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:165 Resp: 14274

Ion	Ratio	Lower	Upper
165	100		
89	85.5	72.0	108.0
63	77.9	52.7	79.1

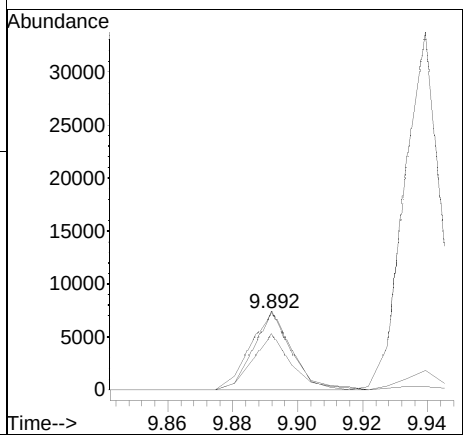


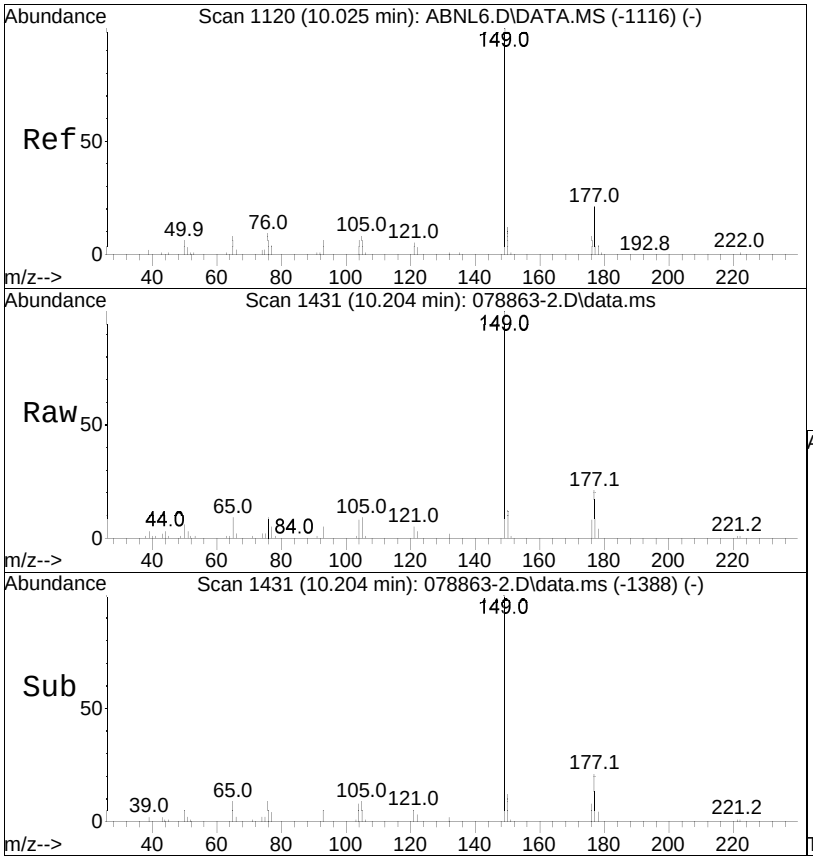


#69
4-Nitrophenol
Concen: 1.03 ug/ml
RT: 9.892 min Scan# 1378
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion: 65 Resp: 6498

Ion	Ratio	Lower	Upper
65	100		
109	67.1	47.4	71.2
139	91.1	76.6	115.0

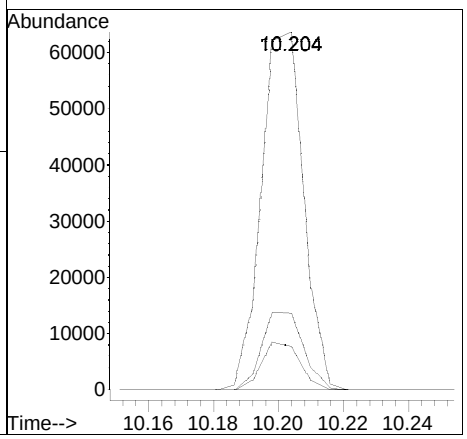


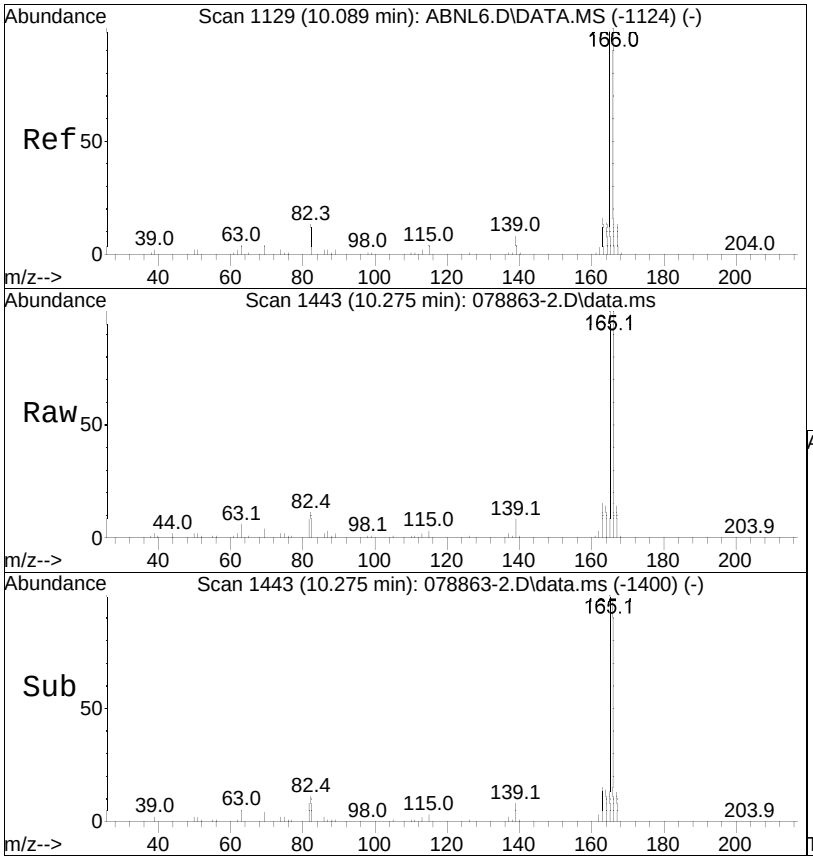


#72
Diethyl phthalate
Concen: 1.27 ug/ml
RT: 10.204 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:149 Resp: 56908

Ion	Ratio	Lower	Upper
149	100		
177	21.6	16.1	24.1
150	12.4	9.4	14.2

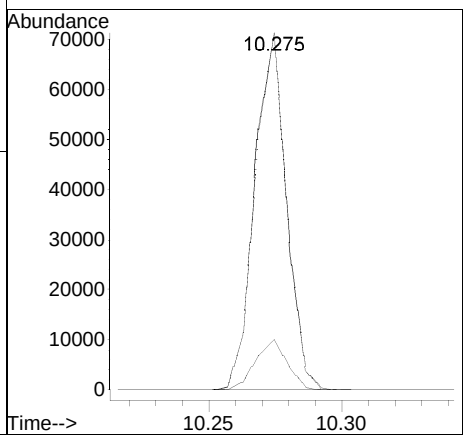


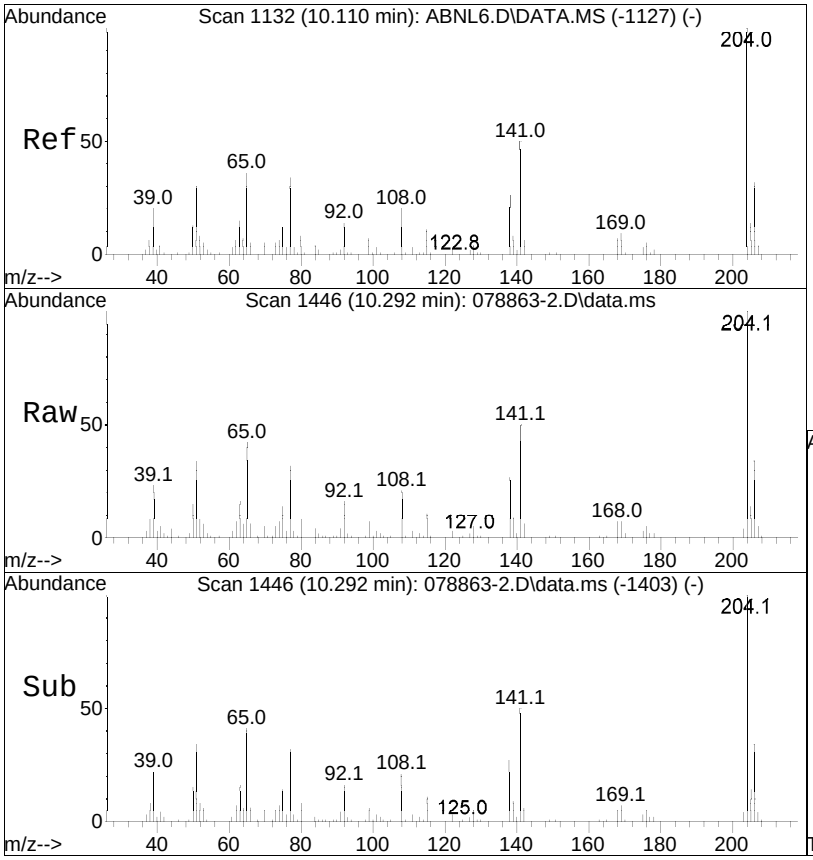


#73
Fluorene
Concen: 1.27 ug/ml
RT: 10.275 min Scan# 1443
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:166 Resp: 59069

Ion	Ratio	Lower	Upper
166	100		
165	98.8	76.2	114.2
167	14.2	10.6	15.8

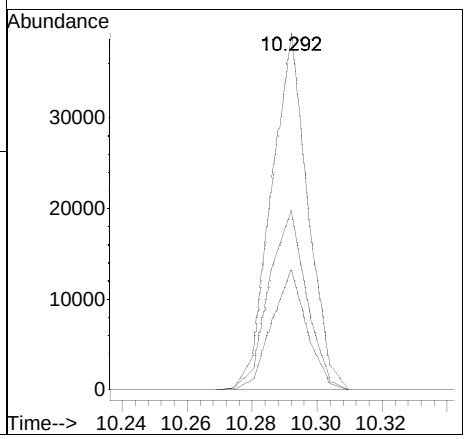


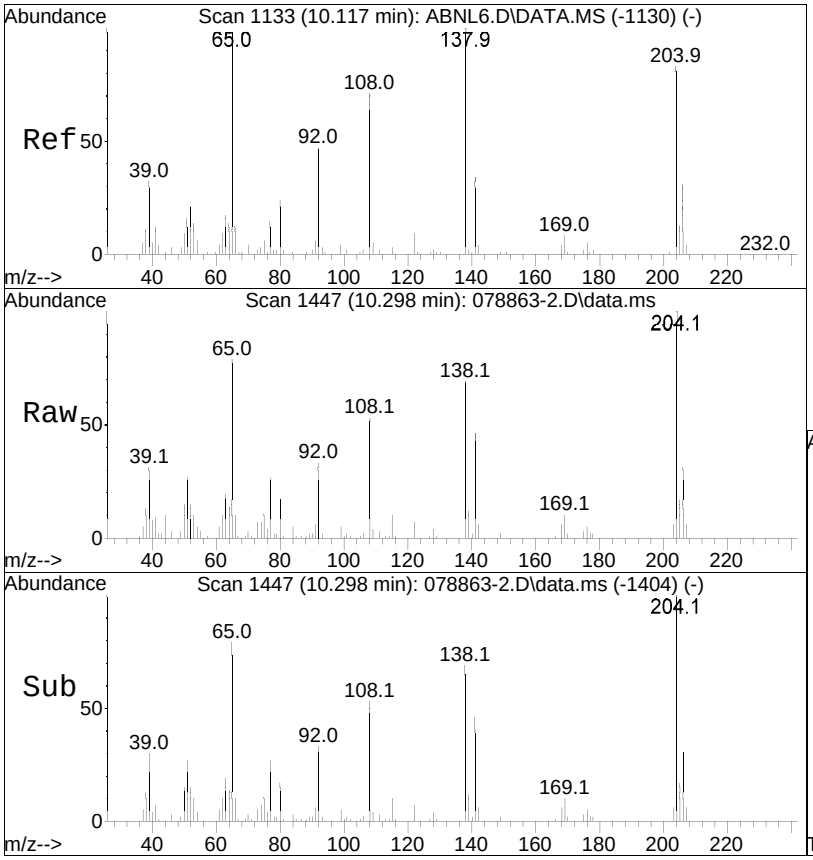


#74
4-Chlorophenyl phenyl ether
Concen: 1.25 ug/ml
RT: 10.292 min Scan# 1446
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:204 Resp: 30392

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.8	38.6
141	51.8	53.6	80.4#

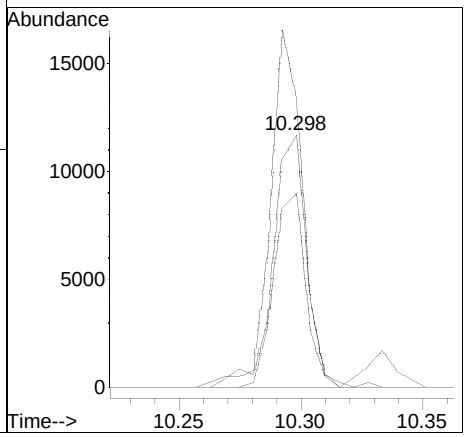


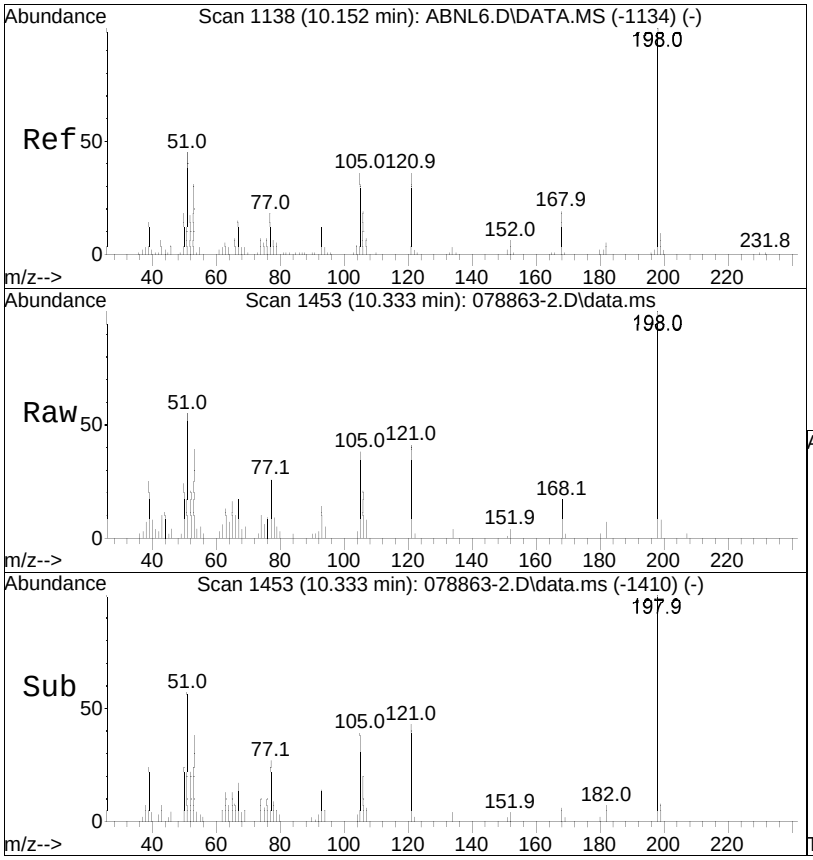


#75
4-Nitroaniline
Concen: 1.39 ug/ml
RT: 10.298 min Scan# 1447
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:138 Resp: 11214

Ion	Ratio	Lower	Upper
138	100		
108	73.5	52.1	78.1
65	133.8	115.0	172.6

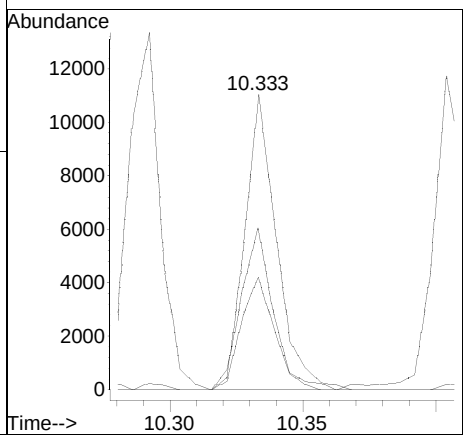


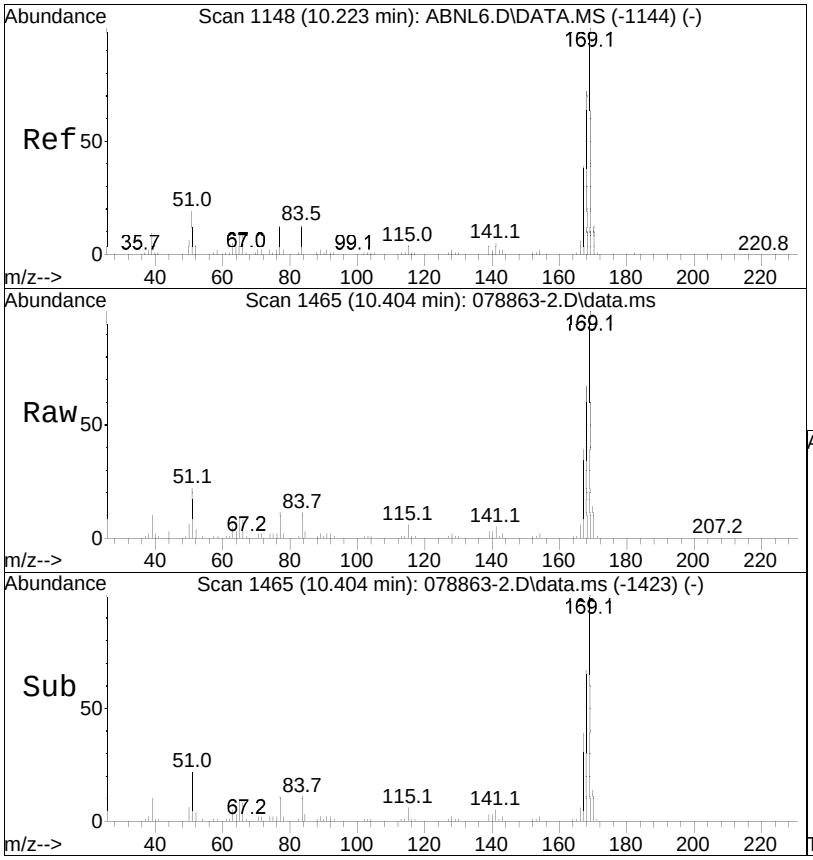


#76
4,6-Dinitro-o-cresol
Concen: 1.64 ug/ml
RT: 10.333 min Scan# 1453
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:198 Resp: 9187

Ion	Ratio	Lower	Upper
198	100		
51	55.6	76.0	114.0#
105	39.8	45.6	68.4#

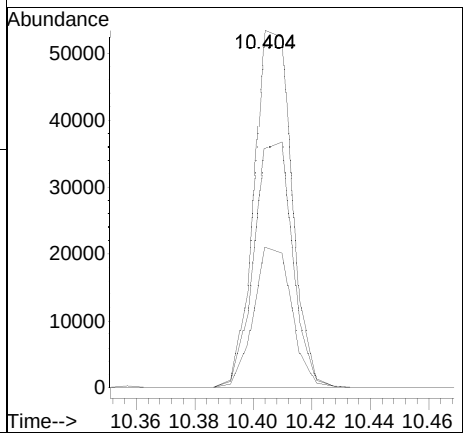


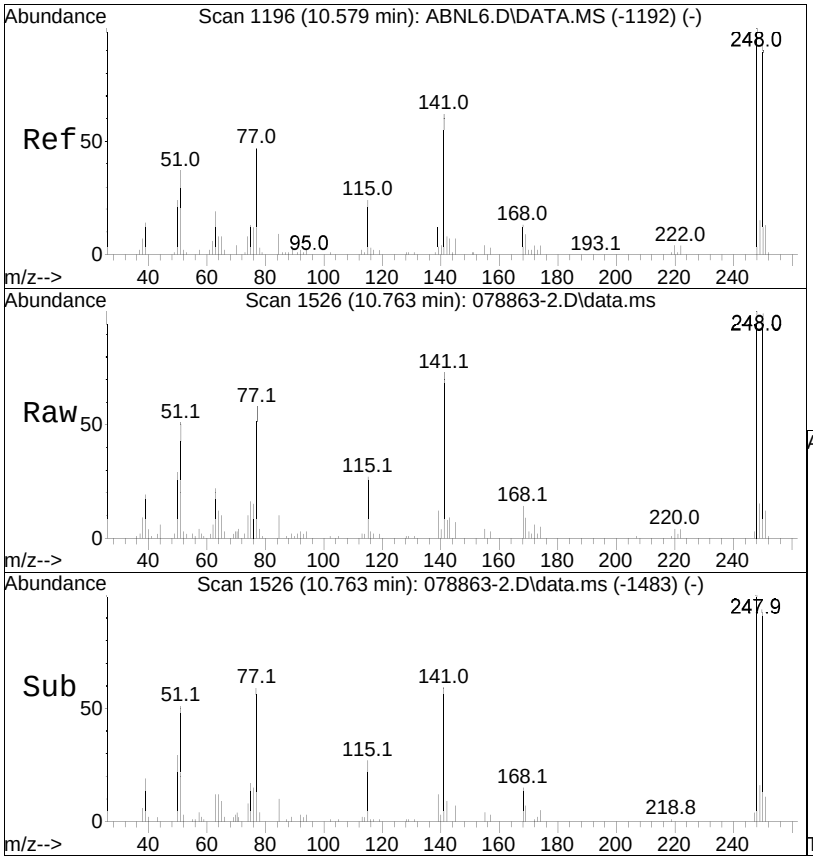


#77
NDPA/DPA
Concen: 1.24 ug/ml
RT: 10.404 min Scan# 1465
Delta R.T. -0.006 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:169 Resp: 47830

Ion	Ratio	Lower	Upper
169	100		
168	70.4	54.0	81.0
167	40.1	28.6	42.8

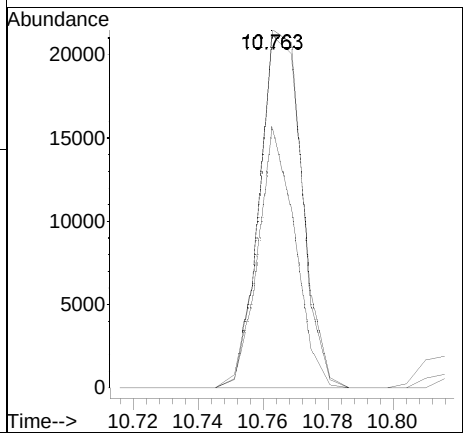


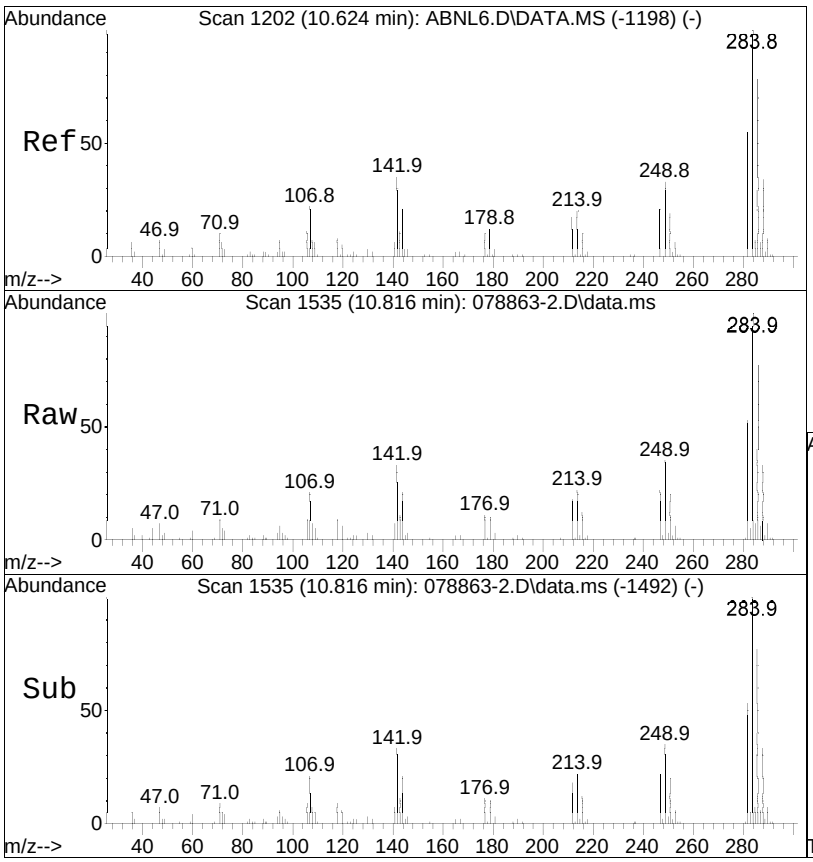


#80
4-Bromophenyl phenyl ether
Concen: 1.27 ug/ml
RT: 10.763 min Scan# 1526
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:248 Resp: 19365

Ion	Ratio	Lower	Upper
248	100		
141	63.4	76.6	114.8#
250	99.0	77.3	115.9

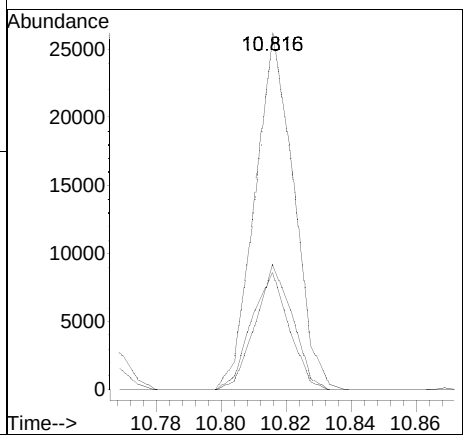


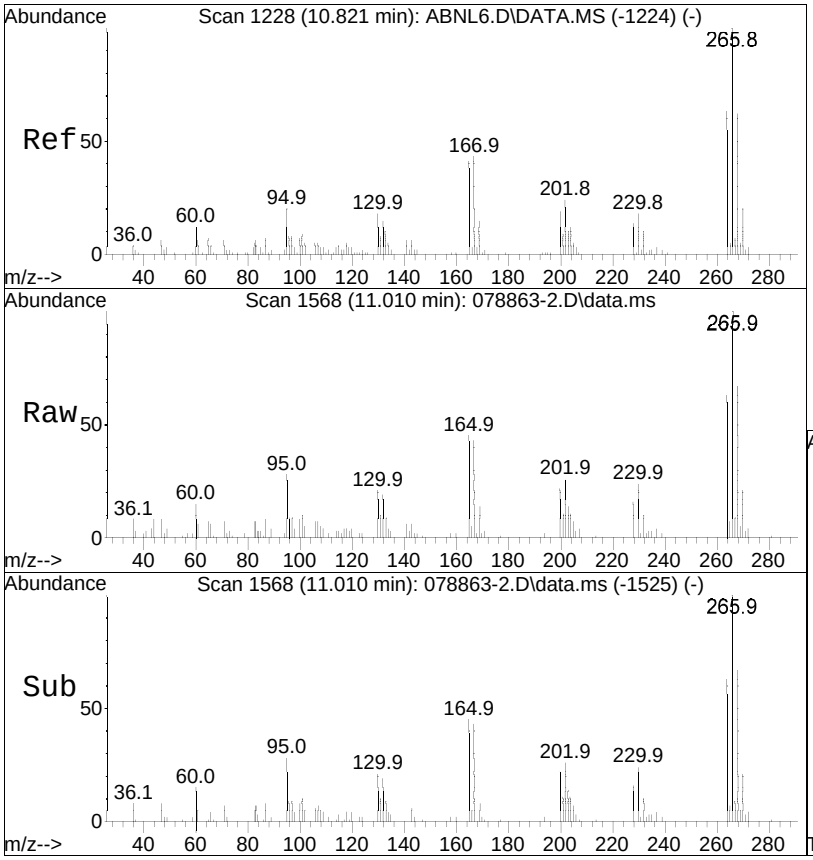


#81
Hexachlorobenzene
Concen: 1.21 ug/ml
RT: 10.816 min Scan# 1535
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:284 Resp: 21670

Ion	Ratio	Lower	Upper
284	100		
142	32.2	41.9	62.9#
249	33.6	24.1	36.1

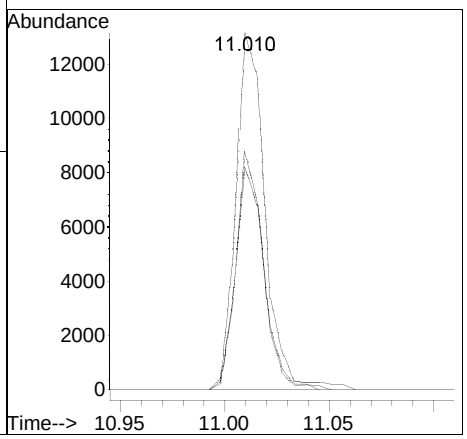


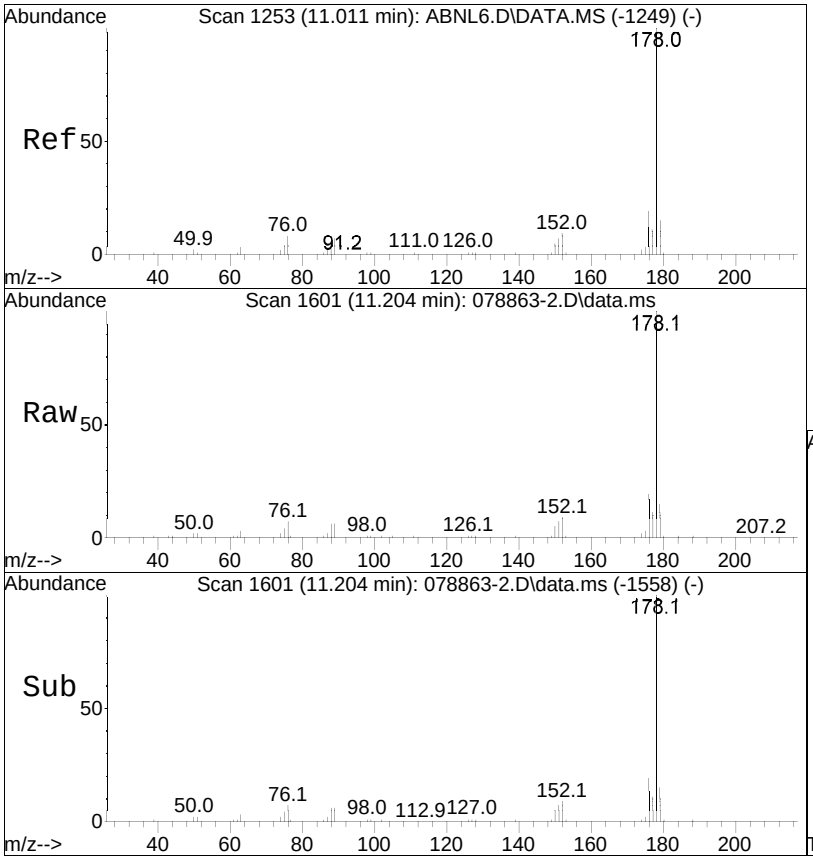


#82
Pentachlorophenol
Concen: 1.37 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:266 Resp: 12721

Ion	Ratio	Lower	Upper
266	100		
264	61.1	49.7	74.5
268	63.1	50.5	75.7

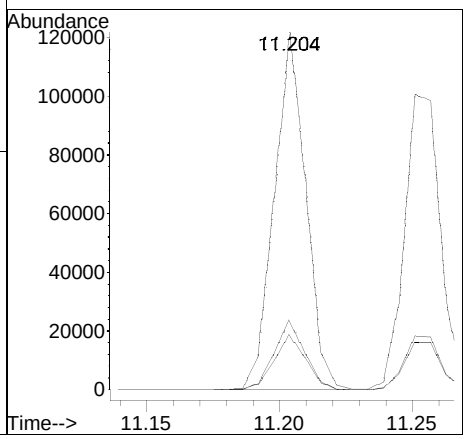


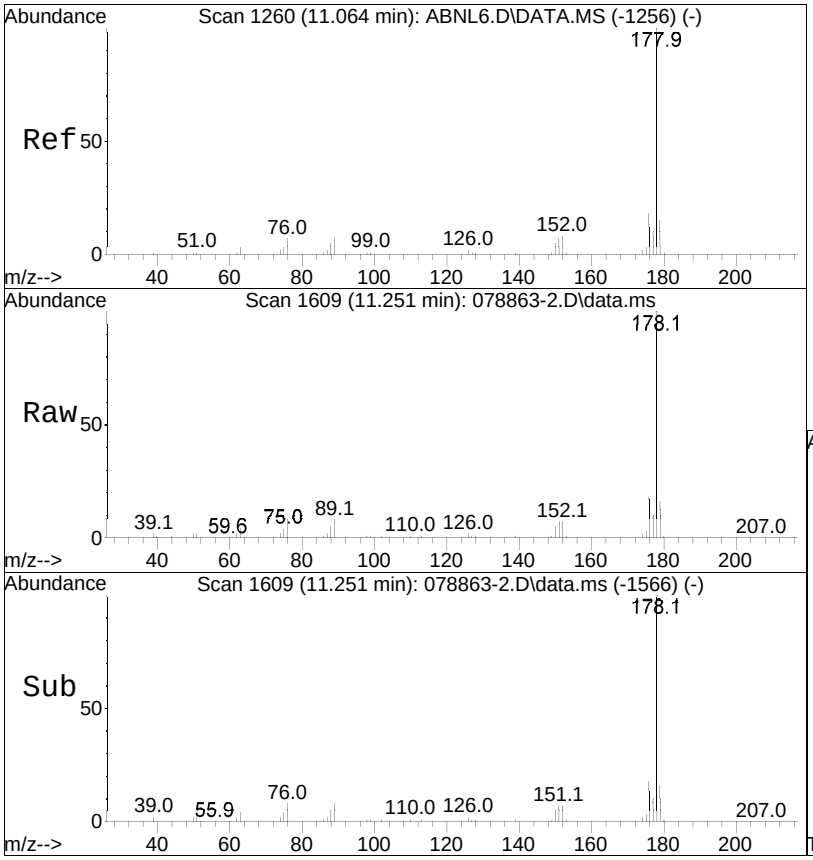


#89
Phenanthrene
Concen: 1.28 ug/ml
RT: 11.204 min Scan# 1601
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:178 Resp: 100391

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.2	18.2
176	18.9	15.4	23.2

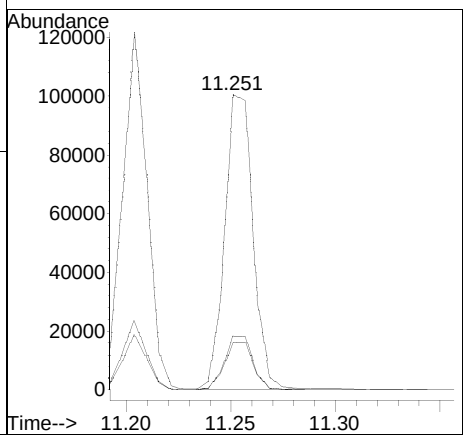


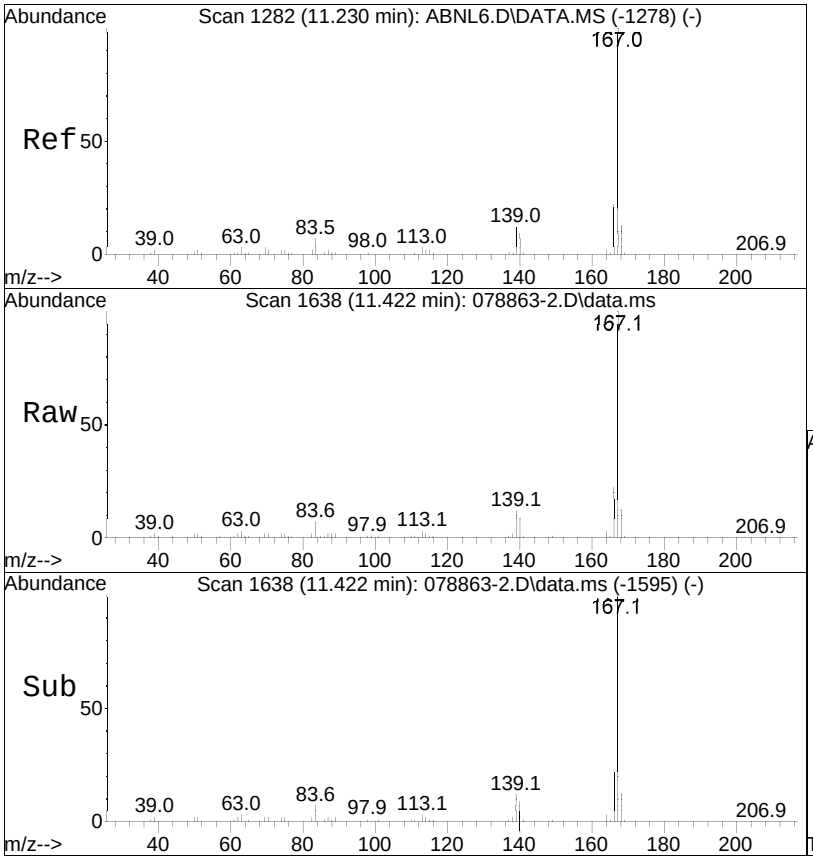


#90
Anthracene
Concen: 1.24 ug/ml
RT: 11.251 min Scan# 1609
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:178 Resp: 95157

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.0	18.0
176	18.2	14.6	22.0

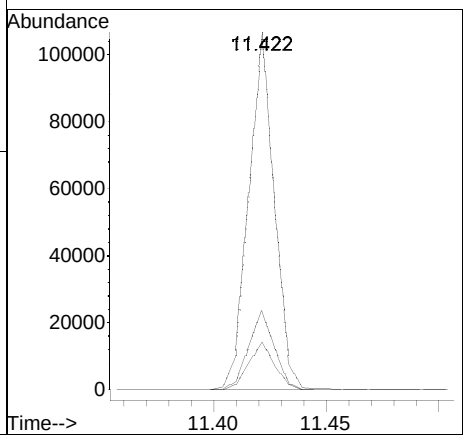


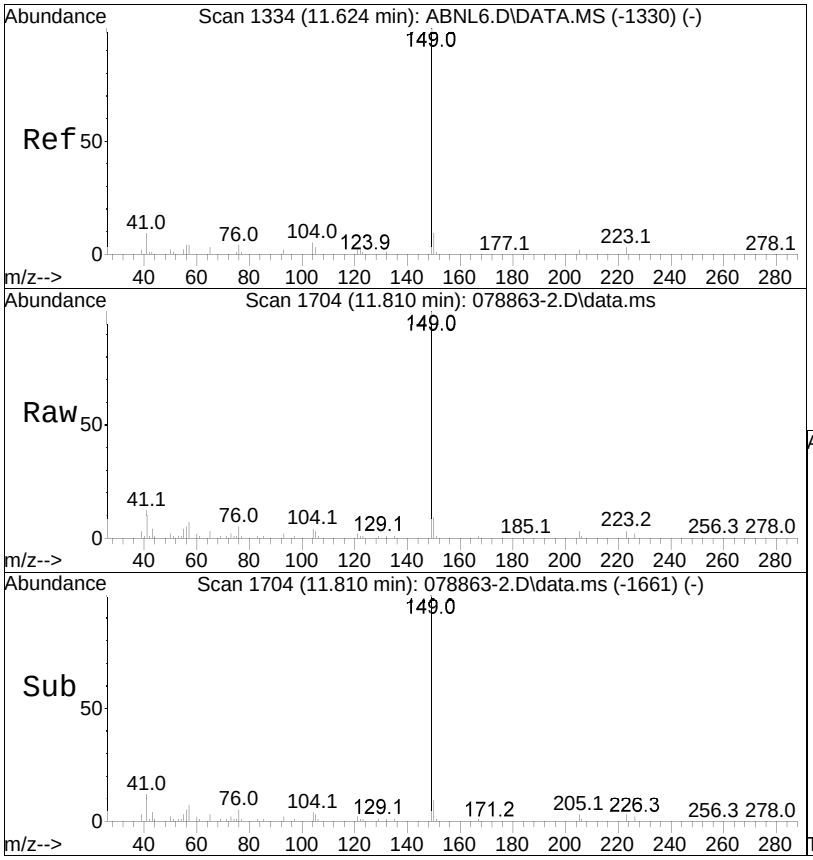


#91
Carbazole
Concen: 1.22 ug/ml
RT: 11.422 min Scan# 1638
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:167 Resp: 83621

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.6	15.8
166	22.5	17.4	26.0

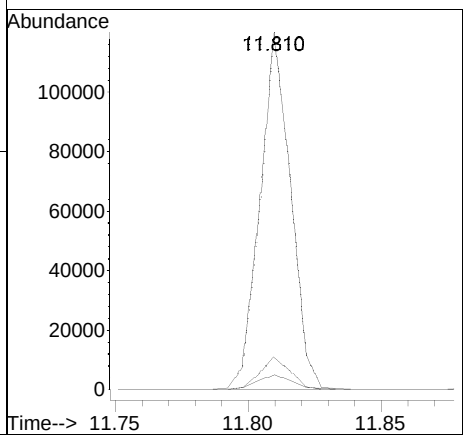


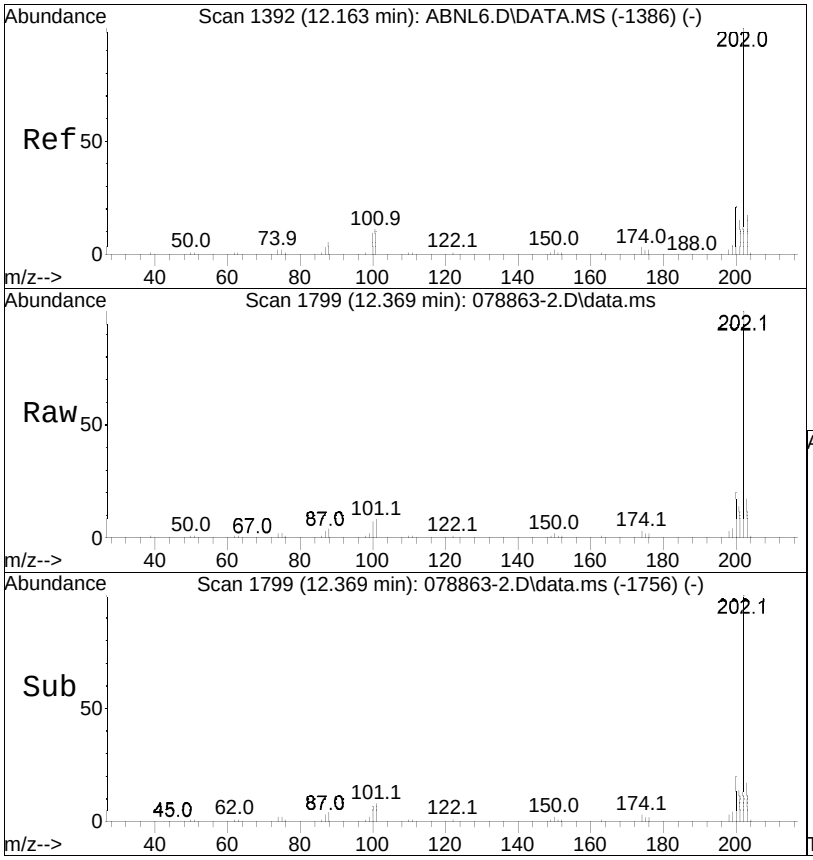


#92
Di-n-butylphthalate
Concen: 1.23 ug/ml
RT: 11.810 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:149 Resp: 94732

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.6	4.5	6.7

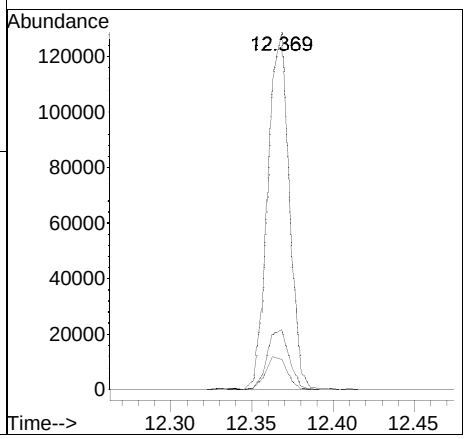


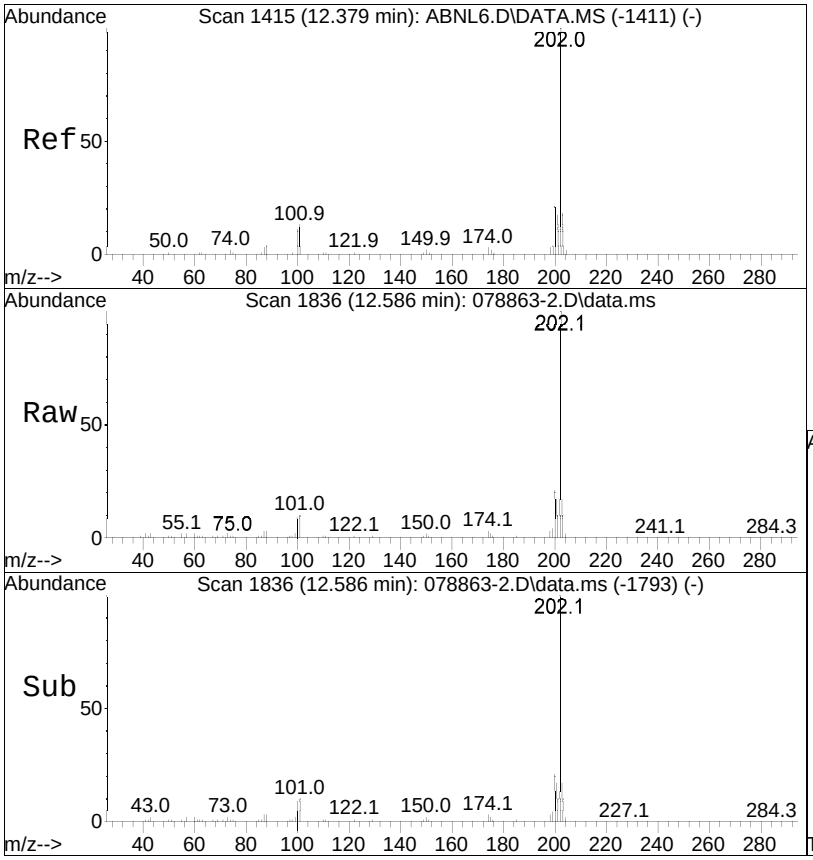


#93
Fluoranthene
Concen: 1.31 ug/ml
RT: 12.369 min Scan# 1799
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:202 Resp: 117396

Ion	Ratio	Lower	Upper
202	100		
101	9.5	13.5	20.3#
203	17.4	13.6	20.4

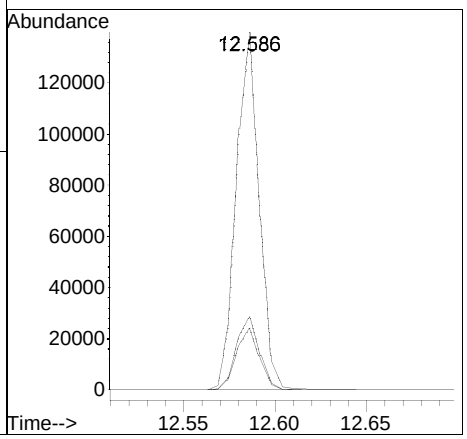


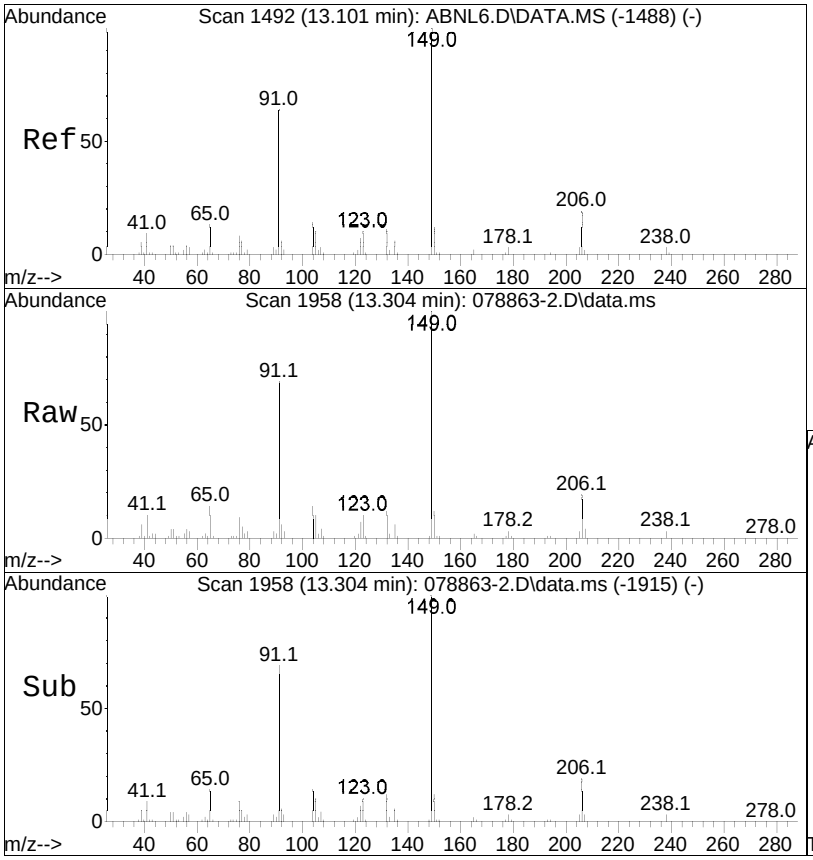


#95
Pyrene
Concen: 1.29 ug/ml
RT: 12.586 min Scan# 1836
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:202 Resp: 120698

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.5	14.2	21.4

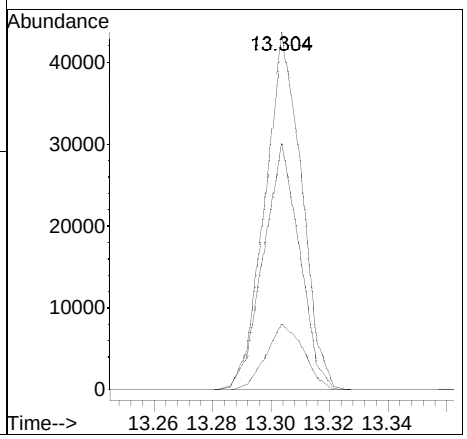


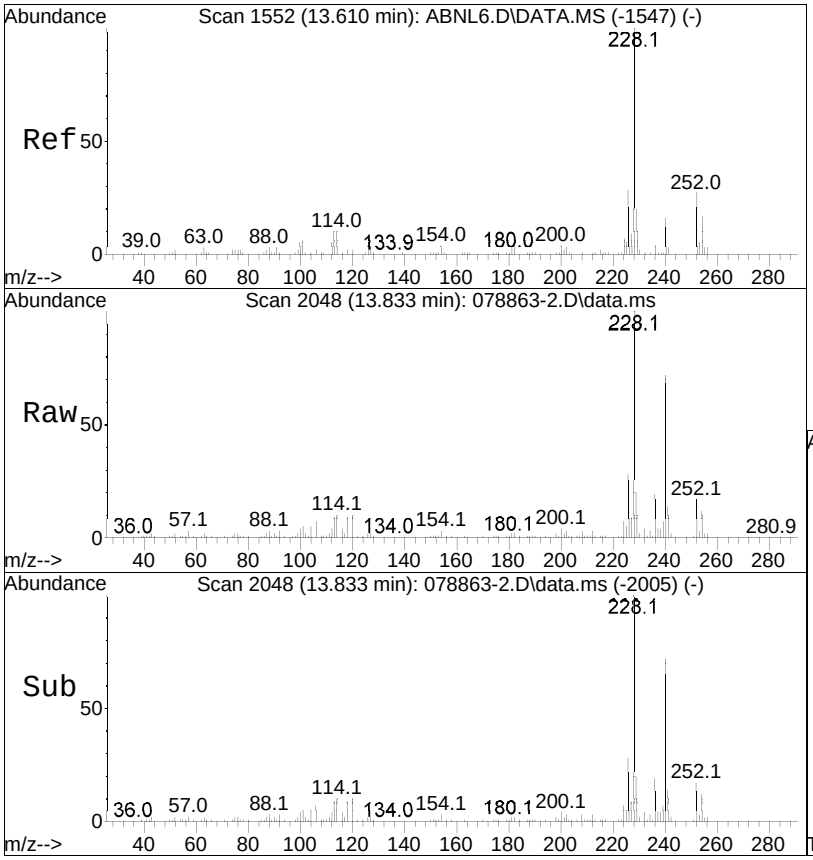


#97
Butyl benzyl phthalate
Concen: 1.37 ug/ml
RT: 13.304 min Scan# 1958
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:149 Resp: 37552

Ion	Ratio	Lower	Upper
149	100		
91	68.6	63.3	94.9
206	19.0	13.9	20.9

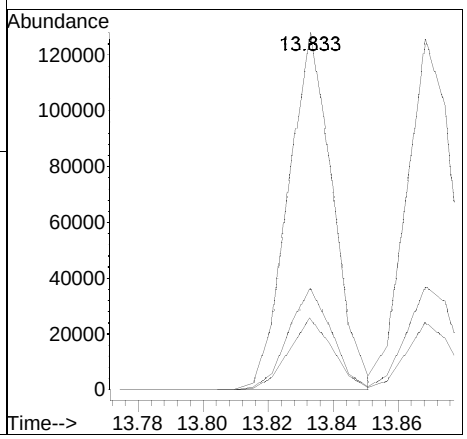


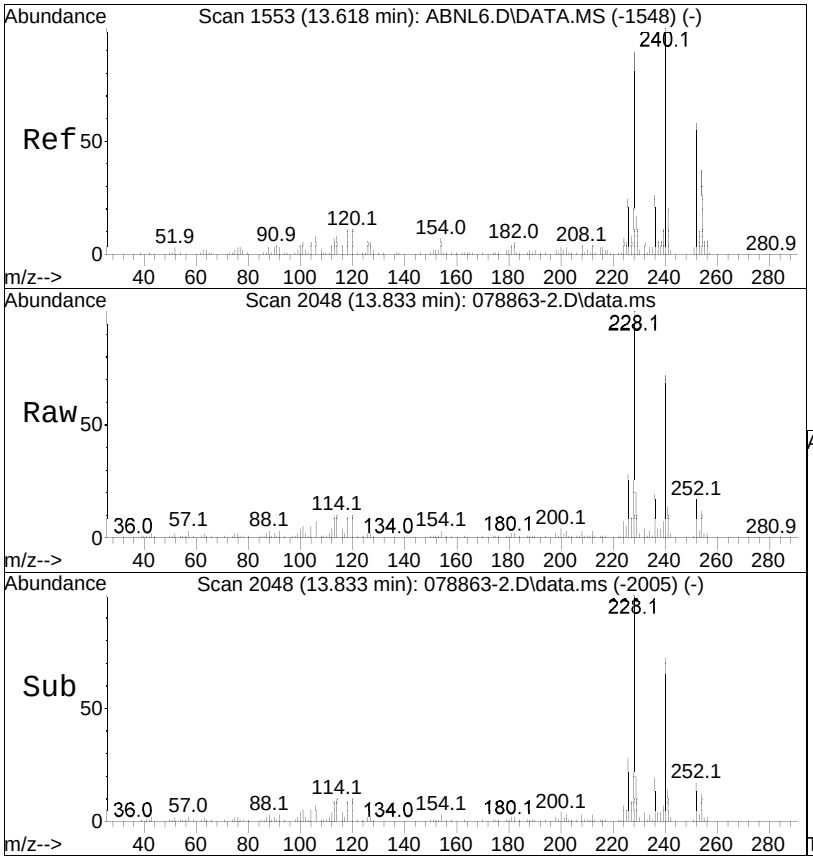


#105
Benzo(a)anthracene
Concen: 1.27 ug/ml
RT: 13.833 min Scan# 2048
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:228 Resp: 122407

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.2	33.4
229	19.9	15.6	23.4

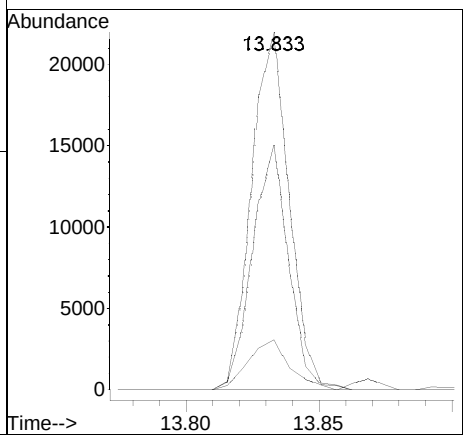


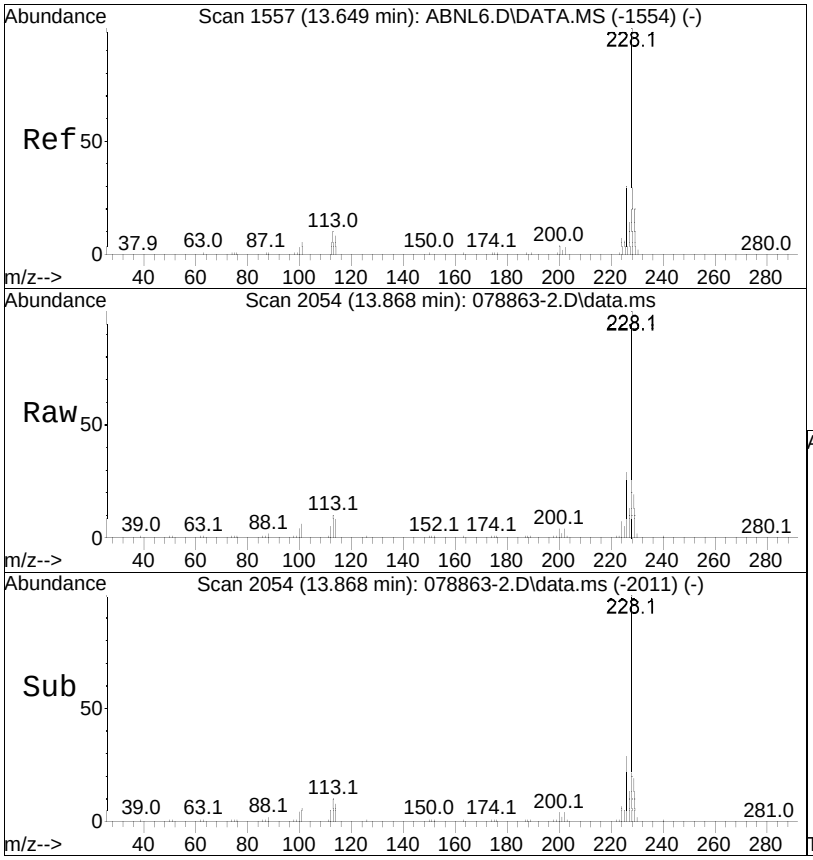


#106
3,3'-Dichlorobenzidine
Concen: 0.66 ug/ml
RT: 13.833 min Scan# 2048
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:252 Resp: 21544

Ion	Ratio	Lower	Upper
252	100		
126	15.6	14.5	21.7
254	65.5	51.2	76.8

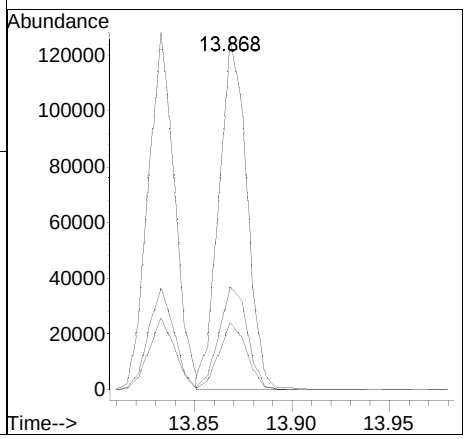


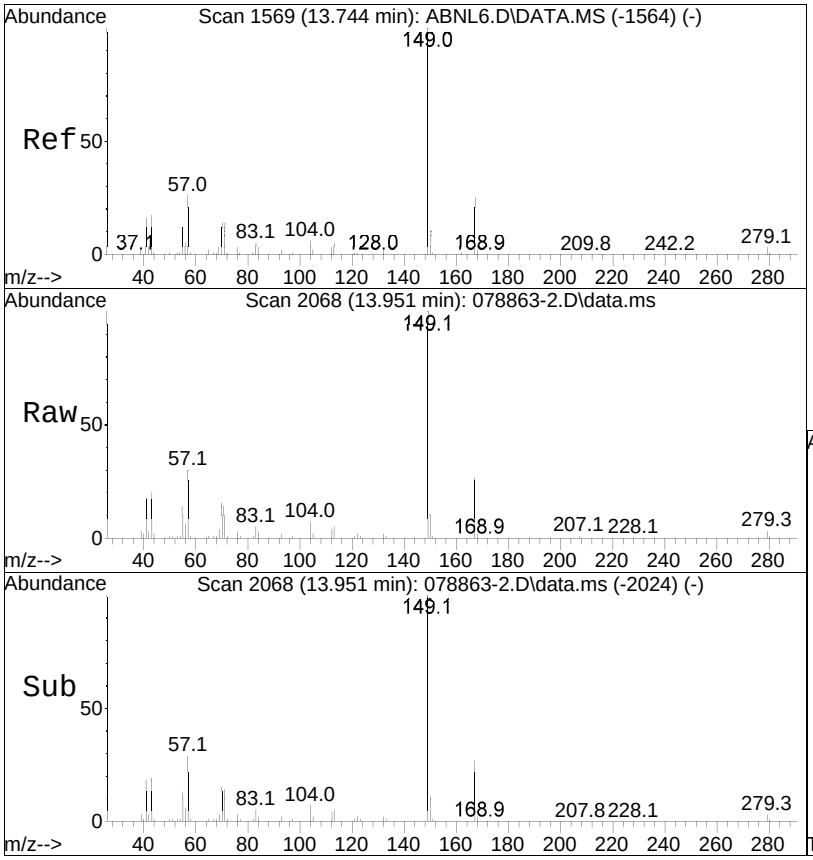


#107
Chrysene
Concen: 1.31 ug/ml
RT: 13.868 min Scan# 2054
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:228 Resp: 125482

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.0	15.8	23.8

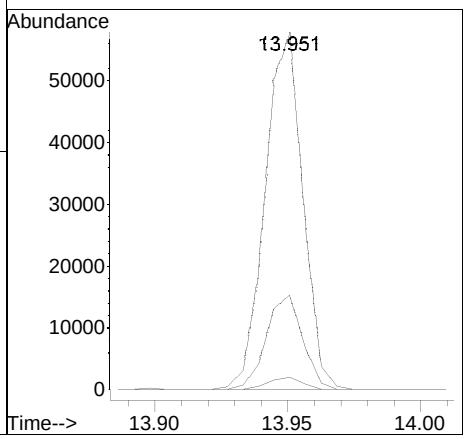


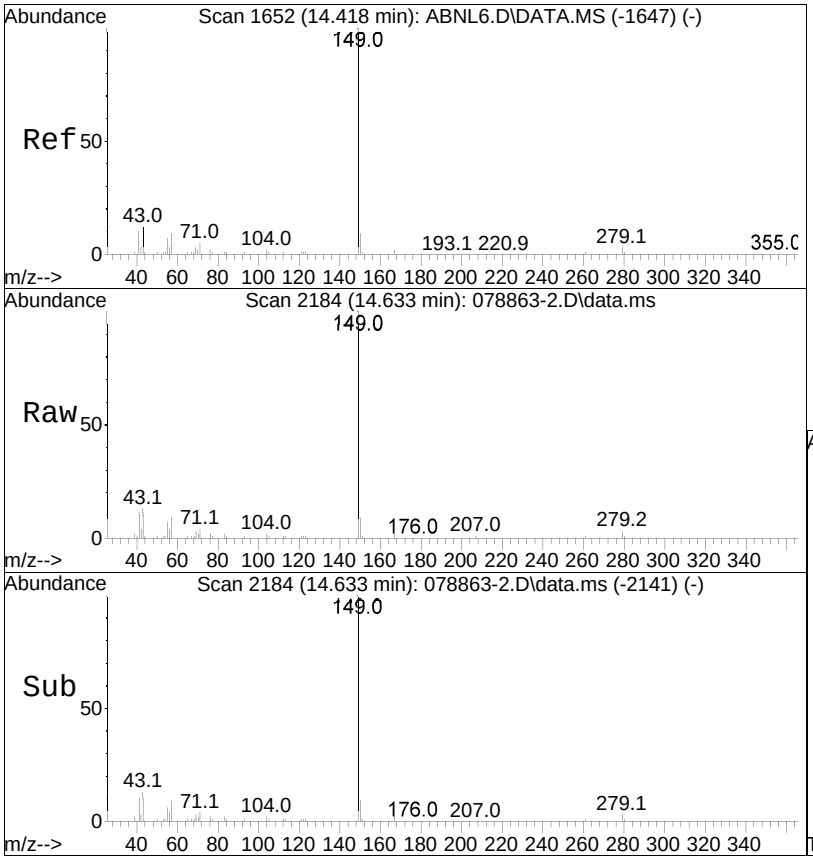


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.17 ug/ml
RT: 13.951 min Scan# 2068
Delta R.T. 0.006 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:149 Resp: 56321

Ion	Ratio	Lower	Upper
149	100		
167	25.7	22.1	33.1
279	2.9	3.0	4.4#

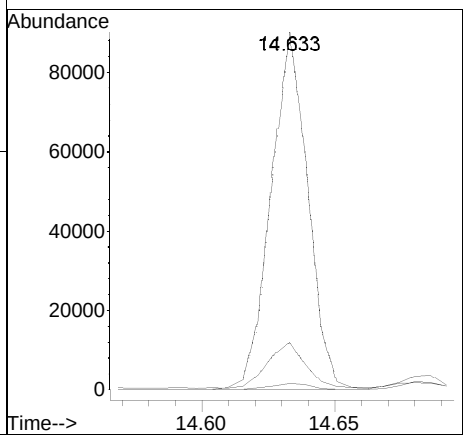


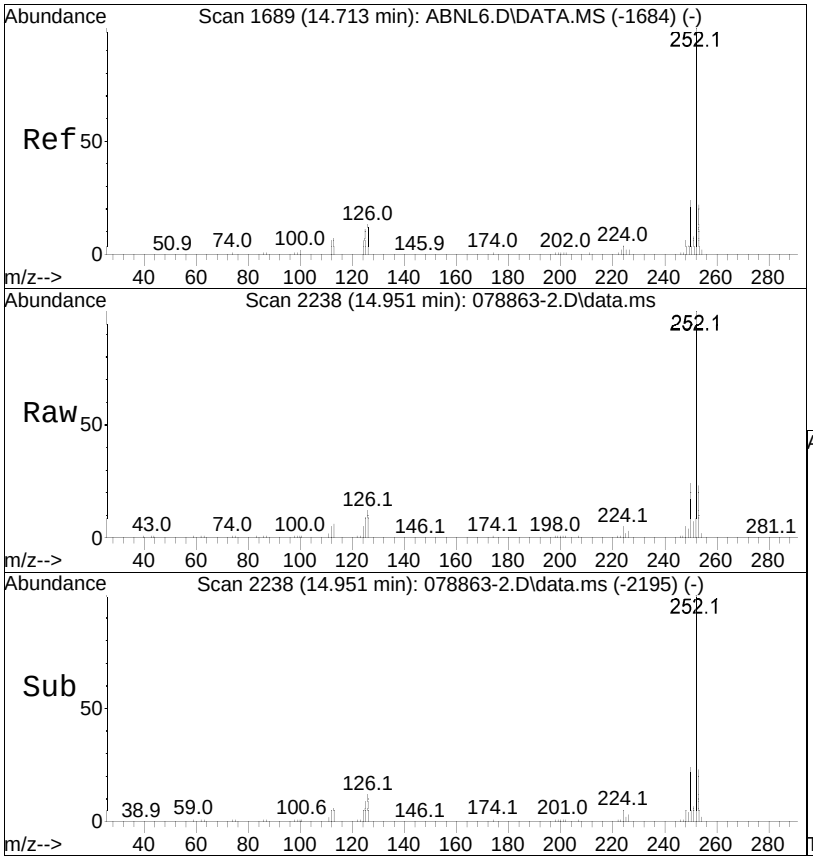


#109
Di-n-octylphthalate
Concen: 1.28 ug/ml
RT: 14.633 min Scan# 2184
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:149 Resp: 85826

Ion	Ratio	Lower	Upper
149	100		
43	13.6	18.8	28.2#
167	1.6	1.3	1.9

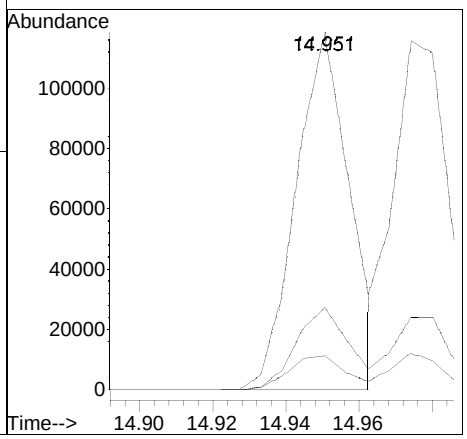


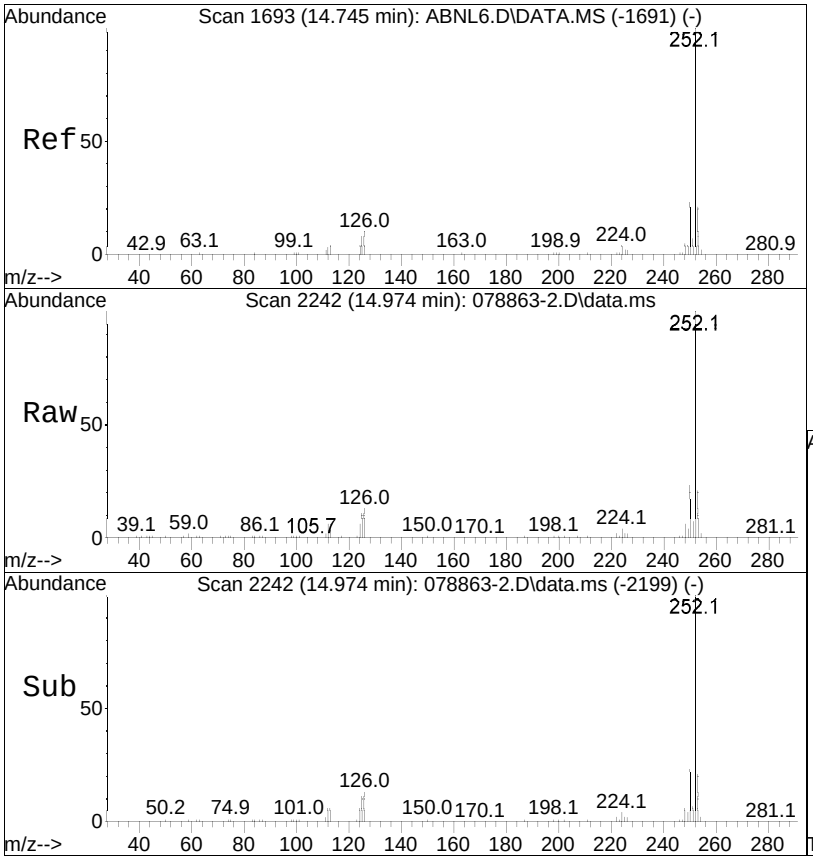


#110
Benzo(b)fluoranthene
Concen: 1.23 ug/ml
RT: 14.951 min Scan# 2238
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:252 Resp: 121738

Ion	Ratio	Lower	Upper
252	100		
125	10.3	13.3	19.9#
253	22.8	17.1	25.7

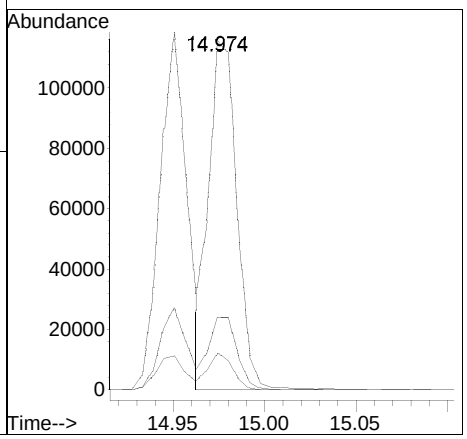


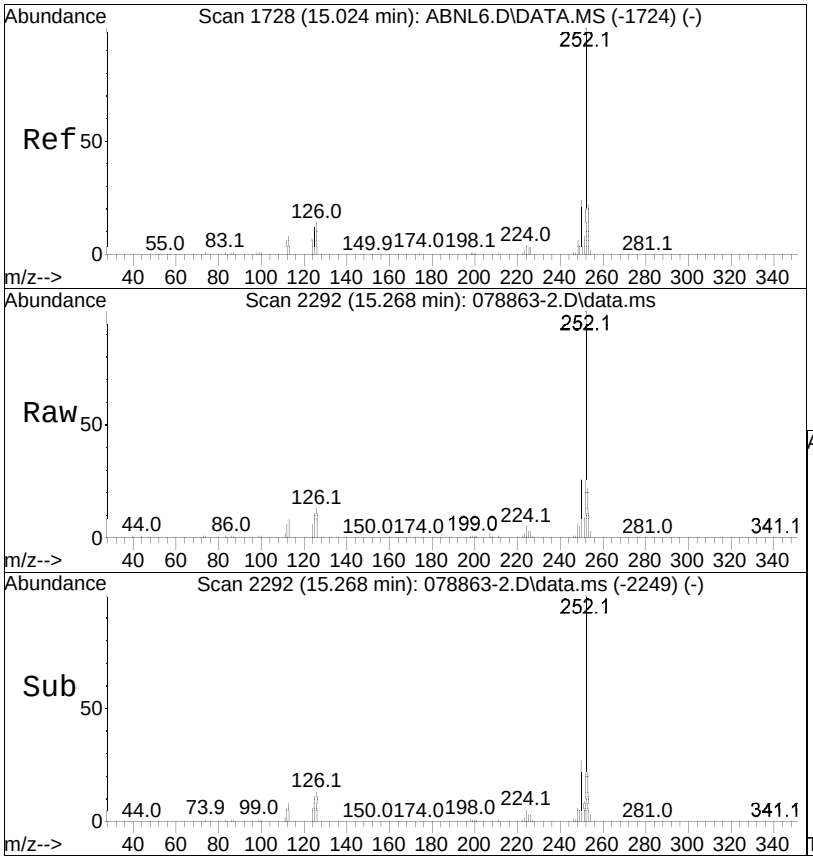


#111
Benzo(k)fluoranthene
Concen: 1.33 ug/ml
RT: 14.974 min Scan# 2242
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:252 Resp: 123112

Ion	Ratio	Lower	Upper
252	100		
125	9.3	13.0	19.6#
253	21.2	16.8	25.2

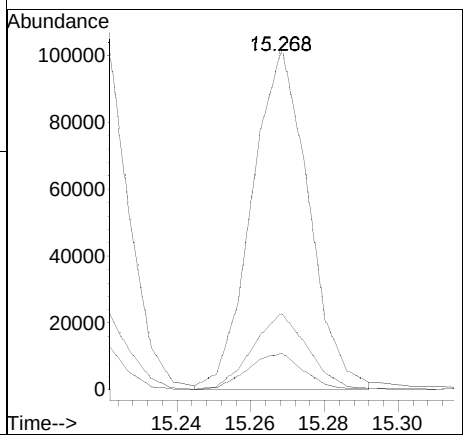


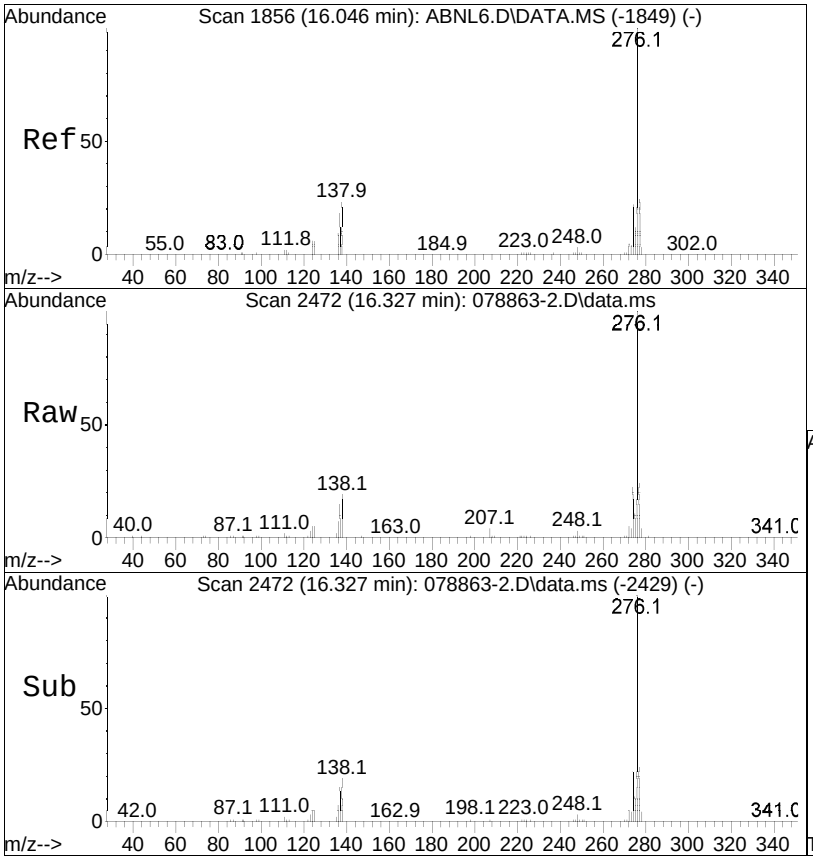


#112
Benzo(a)pyrene
Concen: 1.24 ug/ml M3
RT: 15.268 min Scan# 2292
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:252 Resp: 108791

Ion	Ratio	Lower	Upper
252	100		
125	15.2	14.2	21.2
253	23.5	16.9	25.3

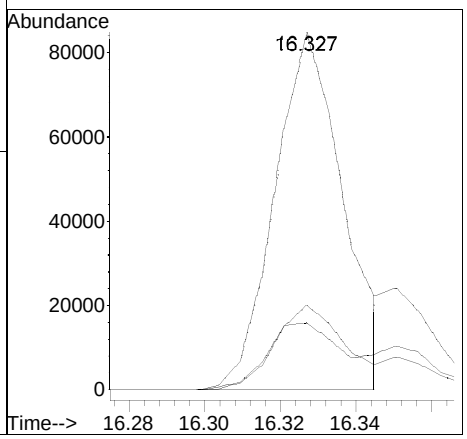


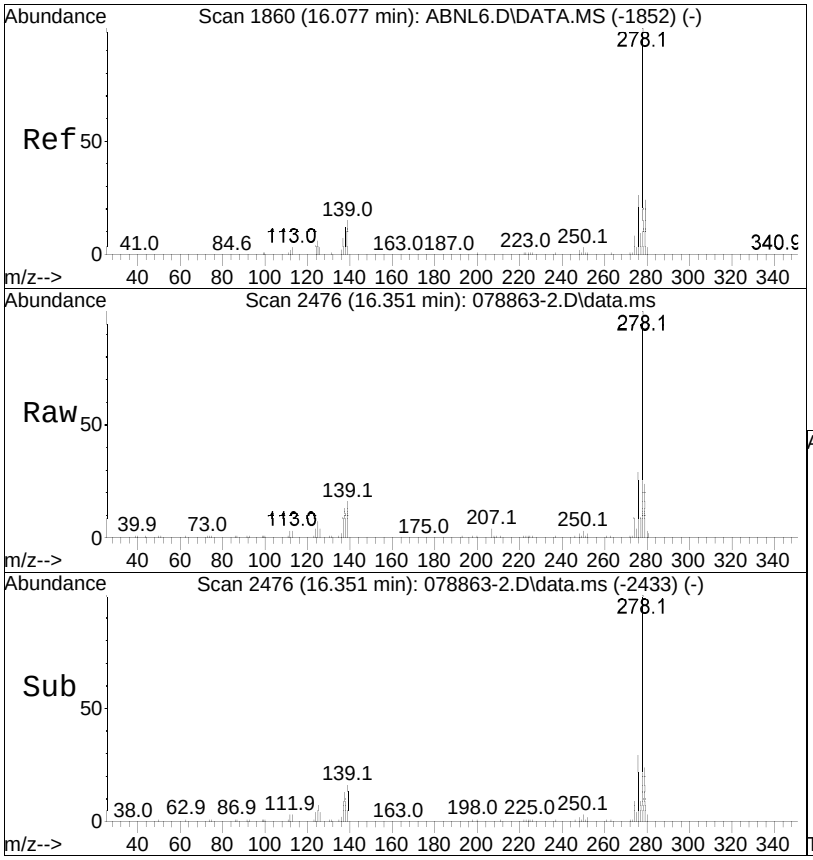


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.25 ug/mL M6
RT: 16.327 min Scan# 2472
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:276 Resp: 106980

Ion	Ratio	Lower	Upper
276	100		
138	22.6	25.1	37.7#
277	31.1	18.6	28.0#

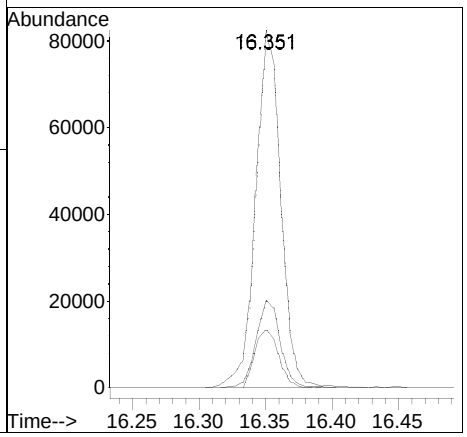


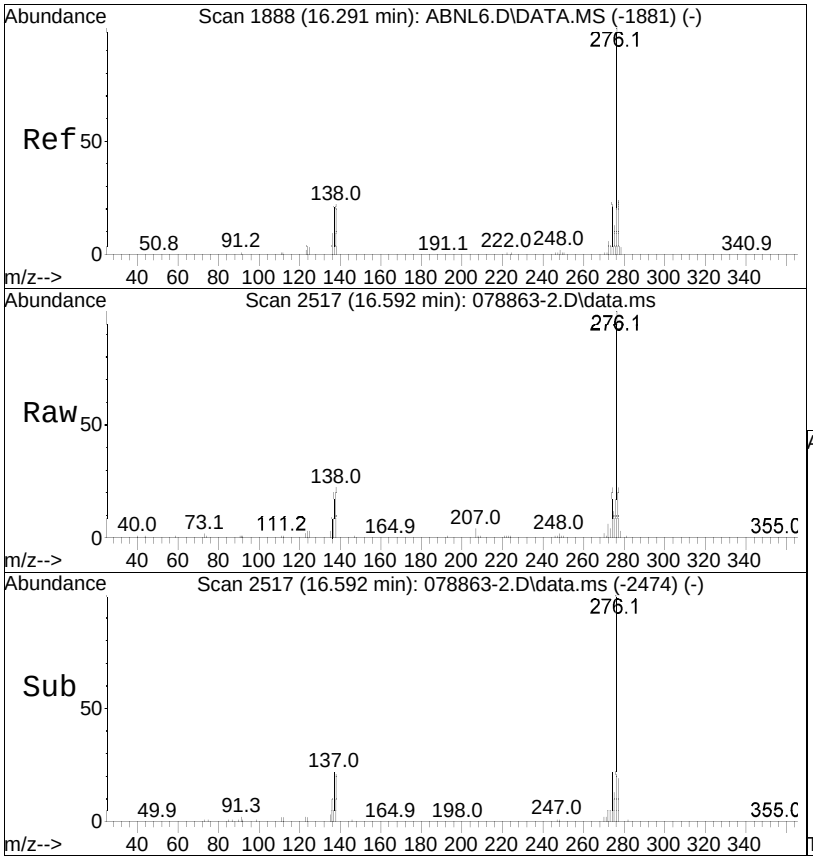


#115
Dibenzo(a,h)anthracene
Concen: 1.26 ug/ml
RT: 16.351 min Scan# 2476
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:278 Resp: 107318

Ion	Ratio	Lower	Upper
278	100		
139	15.7	20.8	31.2#
279	23.8	18.3	27.5

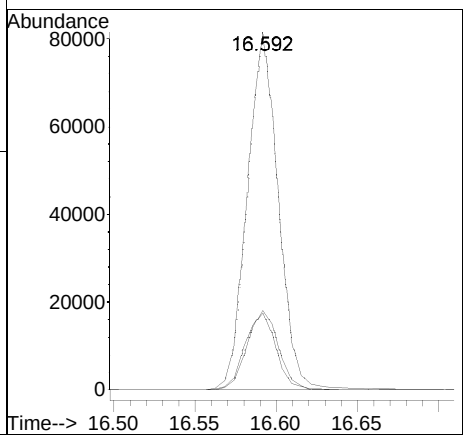




#116
Benzo(ghi)perylene
Concen: 1.27 ug/ml
RT: 16.592 min Scan# 2517
Delta R.T. 0.000 min
Lab File: 078863-2.D
Acq: 15 Jun 2025 8:34 pm

Tgt Ion:276 Resp: 107021

Ion	Ratio	Lower	Upper
276	100		
138	21.8	29.2	43.8#
277	22.6	18.8	28.2

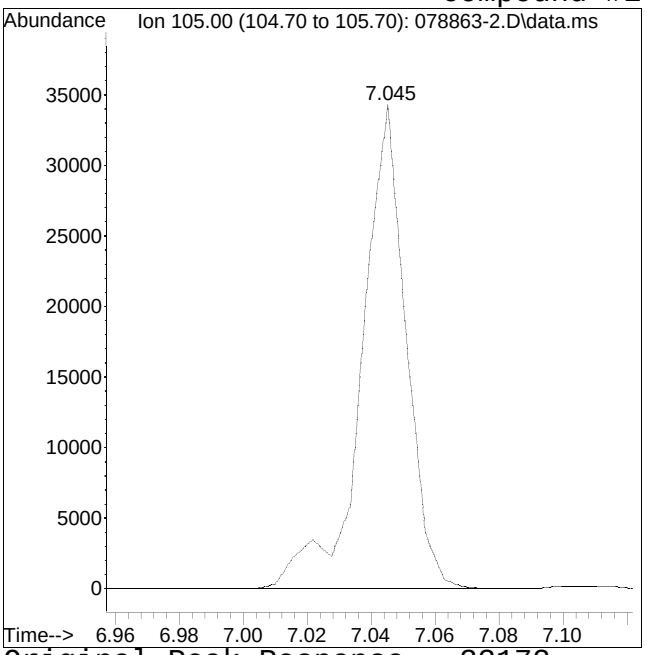


Manual Integration Report

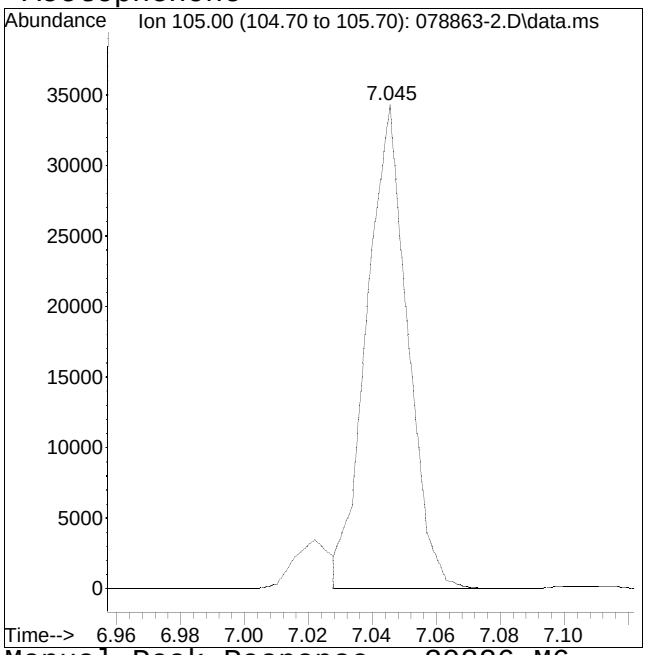
Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Date Inj'd : 6/15/2025 8:34 pm
Sample : WG2078863-2,32,,ASK

QMethod : FS250311SV106.m
Operator : SV106:smz
Instrument : SV 106
Quant Date : 6/15/2025 8:53 pm

Compound #29: Acetophenone



Original Peak Response = 33172



Manual Peak Response = 30226 M6

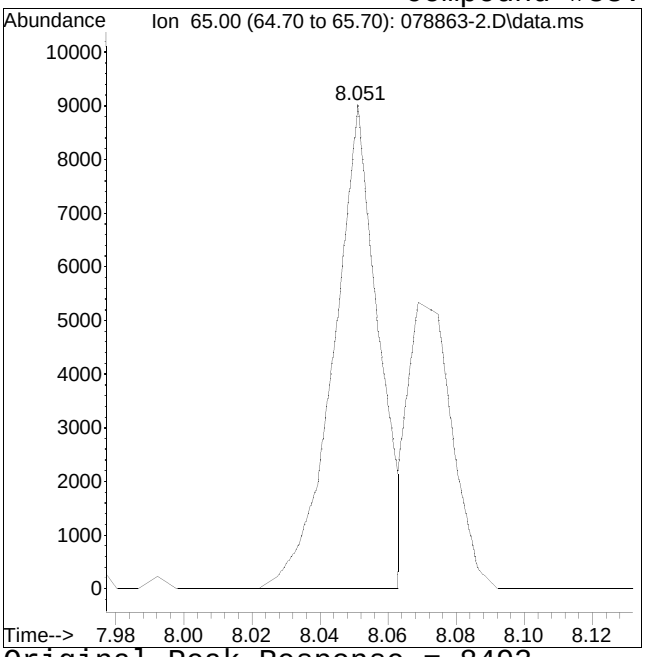
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

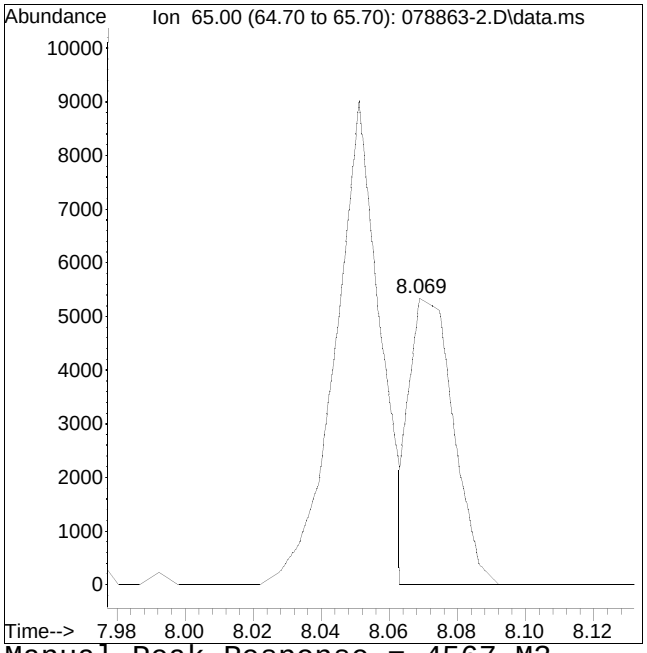
Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-2.D
Date Inj'd : 6/15/2025 8:34 pm
Sample : WG2078863-2,32,,ASK

QMethod : FS250311SV106.m
Operator : SV106:smz
Instrument : SV 106
Quant Date : 6/15/2025 8:53 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 8493



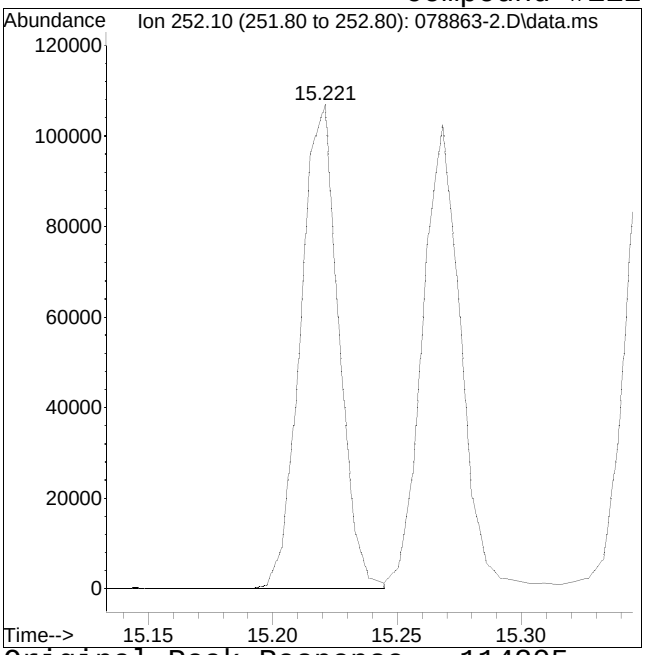
Manual Peak Response = 4567 M3

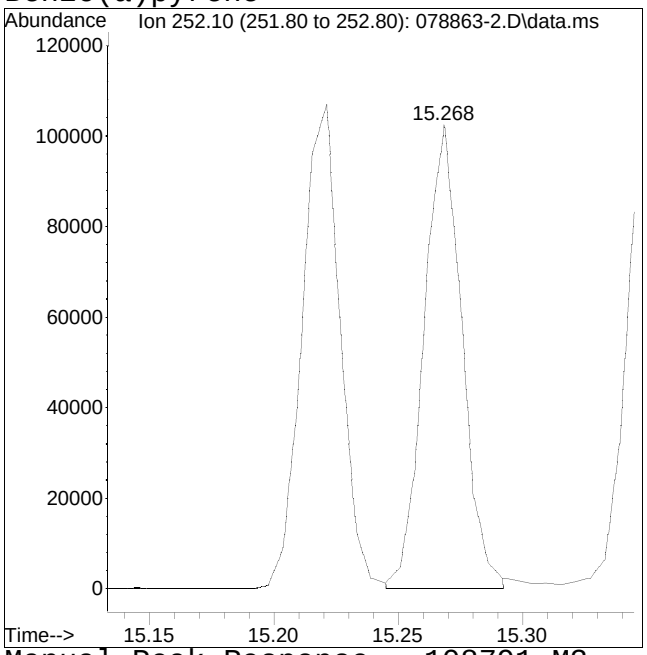
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : 078863-2.D Operator : SV106:smz
Date Inj'd : 6/15/2025 8:34 pm Instrument : SV 106
Sample : WG2078863-2,32,,ASK Quant Date : 6/15/2025 8:53 pm

Compound #112: Benzo(a)pyrene





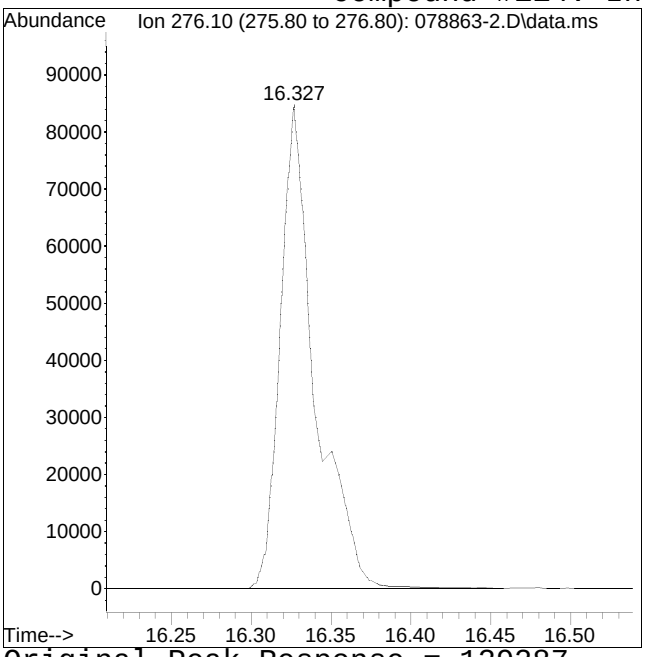
Original Peak Response = 114205 Manual Peak Response = 108791 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

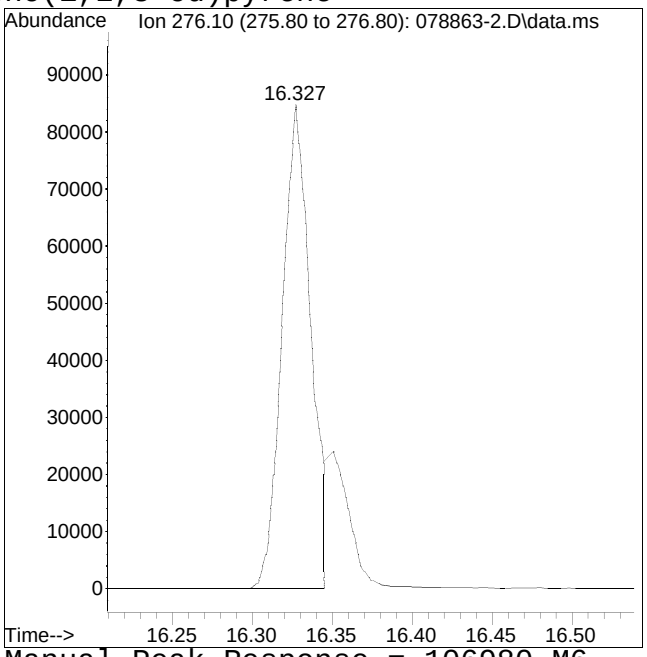
Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : 078863-2.D Operator : SV106:smz
Date Inj'd : 6/15/2025 8:34 pm Instrument : SV 106
Sample : WG2078863-2,32,,ASK Quant Date : 6/15/2025 8:53 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 129287



Manual Peak Response = 106980 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-3.D
Acq On : 15 Jun 2025 8:57 pm
Operator : SV106:smz
Sample : WG2078863-3,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 09:14:01 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	59729	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 109.10%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	59729	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 112.72%				
32) IS3_1,4-Dichlorobenzen...	6.551	152	59729	4.000	ug/ml		0.00
Standard Area 2 = 59967			Recovery = 99.60%				
35) IS1_Naphthalene-d8	7.969	136	206884	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 105.37%				
55) IS2_Naphthalene-d8	7.969	136	206884	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 112.75%				
63) IS1_Acenaphthene-d10	9.733	164	131755	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 113.81%				
83) IS2_Acenaphthene-d10	9.733	164	131755	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 122.23%				
86) IS3_Acenaphthene-d10	9.733	164	131755	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 120.13%				
88) IS1_Phenanthrene-d10	11.180	188	275710	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 119.11%				
100) IS3_Phenanthrene-d10	11.180	188	275710	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 119.10%				
104) IS1_Chrysene-d12	13.845	240	295350	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 111.55%				
113) IS1_Perylene-d12	15.327	264	313872	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 116.35%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	14811	0.879	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 43.95%				
7) Phenol-d6	6.181	99	13489	0.683	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 34.15%				
19) Nitrobenzene-d5	7.204	82	11777	0.720	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.00%				
46) 2-Fluorobiphenyl	9.092	172	32443	0.679	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.90%				
79) 2,4,6-Tribromophenol	10.510	330	9096	1.343	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 67.15%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-3.D
Acq On : 15 Jun 2025 8:57 pm
Operator : SV106:smz
Sample : WG2078863-3,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 09:14:01 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	12.774	244	50061	0.700	ug/ml	0.00

Spiked Amount 1.000 Range 30 - 130 Recovery = 70.00%

Target Compounds						Qvalue
6) 2-Chlorophenol	6.293	128	23066	1.268	ug/ml	96
8) Phenol	6.192	94	15042	0.690	ug/ml	97
9) Bis(2-chloroethyl)ether	6.275	93	22627	1.307	ug/ml#	69
10) 1,3-Dichlorobenzene	6.481	146	23070	1.003	ug/ml	97
11) 1,4-Dichlorobenzene	6.575	146	24507	1.042	ug/ml	97
12) 1,2-Dichlorobenzene	6.751	146	23795	1.069	ug/ml	97
13) Benzyl alcohol	6.757	79	17124	1.260	ug/ml	96
14) Bis(2-chloroisopropyl)...	6.940	45	48811	1.209	ug/ml#	80
15) 2-Methylphenol	6.922	108	17552	0.916	ug/ml	93
16) Hexachloroethane	7.140	117	7603	0.932	ug/ml#	62
17) n-Nitrosodi-n-propylamine	7.075	70	16514	1.294	ug/ml#	92
18) 3-Methylphenol/4-Methy...	7.104	108	19611	1.183	ug/ml	98
20) Nitrobenzene	7.222	77	23831	1.427	ug/ml	99
21) Isophorone	7.504	82	42421	1.238	ug/ml	99
22) 2-Nitrophenol	7.581	139	11470	1.509	ug/ml#	91
23) 2,4-Dimethylphenol	7.675	107	19684	1.100	ug/ml	97
24) Bis(2-chloroethoxy)met...	7.769	93	28140	1.150	ug/ml#	97
25) 2,4-Dichlorophenol	7.845	162	22407	1.320	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.922	180	21872	1.005	ug/ml	97
29) Acetophenone	7.045	105	33626M6	1.368	ug/ml	
36) Naphthalene	7.992	128	65805	1.193	ug/ml	99
37) Benzoic Acid	7.739	105	9105	1.509	ug/ml	98
38) 4-Chloroaniline	8.075	65	5069	0.745	ug/ml	87
39) Hexachlorobutadiene	8.157	225	11897	0.943	ug/ml	99
40) p-Chloro-m-cresol	8.598	107	19045	1.133	ug/ml	96
41) 2-Methylnaphthalene	8.710	142	40441	1.226	ug/ml	94
43) Hexachlorocyclopentadiene	8.886	237	14976	0.966	ug/ml	98
44) 2,4,6-Trichlorophenol	9.004	196	17883	1.377	ug/ml	97
45) 2,4,5-Trichlorophenol	9.034	196	20371	1.546	ug/ml	98
47) 2-Chloronaphthalene	9.186	162	48276	1.234	ug/ml	99
48) 2-Nitroaniline	9.298	138	13990	1.627	ug/ml	91
51) Dimethyl phthalate	9.504	163	65283	1.389	ug/ml	99
52) Acenaphthylene	9.592	152	81106	1.305	ug/ml	99

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-3.D
Acq On : 15 Jun 2025 8:57 pm
Operator : SV106:smz
Sample : WG2078863-3,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 09:14:01 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) 2,6-Dinitrotoluene	9.545	165	12231	1.569	ug/ml#	83
61) 1,2,4,5-Tetrachloroben...	8.881	216	25604	1.233	ug/ml	98
62) Biphenyl	9.181	154	61595	1.345	ug/ml	99
64) 3-Nitroaniline	9.704	138	12315	1.482	ug/ml#	96
65) Acenaphthene	9.769	154	45180	1.245	ug/ml	87
66) 2,4-Dinitrophenol	9.810	184	7306	1.804	ug/ml	89
67) Dibenzofuran	9.939	168	80564	1.278	ug/ml	94
68) 2,4-Dinitrotoluene	9.939	165	16404	1.523	ug/ml	89
69) 4-Nitrophenol	9.892	65	7236	1.142	ug/ml	95
72) Diethyl phthalate	10.204	149	63352	1.415	ug/ml	98
73) Fluorene	10.275	166	65811	1.417	ug/ml	96
74) 4-Chlorophenyl phenyl ...	10.292	204	32785	1.349	ug/ml#	86
75) 4-Nitroaniline	10.298	138	12797	1.582	ug/ml	88
76) 4,6-Dinitro-o-cresol	10.333	198	9957	1.745	ug/ml#	68
77) NDPA/DPA	10.410	169	53778	1.389	ug/ml	95
80) 4-Bromophenyl phenyl e...	10.769	248	20986	1.376	ug/ml#	83
81) Hexachlorobenzene	10.816	284	24479	1.369	ug/ml#	83
82) Pentachlorophenol	11.010	266	14300	1.537	ug/ml	99
89) Phenanthrene	11.204	178	111171	1.421	ug/ml	99
90) Anthracene	11.257	178	107428	1.407	ug/ml	99
91) Carbazole	11.422	167	94472	1.386	ug/ml	98
92) Di-n-butylphthalate	11.810	149	103995	1.351	ug/ml	98
93) Fluoranthene	12.369	202	129224	1.445	ug/ml#	92
95) Pyrene	12.586	202	130845	1.397	ug/ml	100
97) Butyl benzyl phthalate	13.304	149	41150	1.463	ug/ml	88
105) Benzo(a)anthracene	13.833	228	130809	1.386	ug/ml	99
106) 3,3'-Dichlorobenzidine	13.833	252	27643	0.873	ug/ml#	98
107) Chrysene	13.868	228	133551	1.428	ug/ml	99
108) Bis(2-ethylhexyl)phtha...	13.951	149	62209	1.295	ug/ml	94
109) Di-n-octylphthalate	14.633	149	91664	1.355	ug/ml#	79
110) Benzo(b)fluoranthene	14.951	252	127470	1.314	ug/ml#	93
111) Benzo(k)fluoranthene	14.980	252	135377	1.500	ug/ml#	92
112) Benzo(a)pyrene	15.268	252	117981M3	1.381	ug/ml	
114) Indeno(1,2,3-cd)pyrene	16.327	276	115126M6	1.374	ug/mL	
115) Dibenzo(a,h)anthracene	16.351	278	119790	1.437	ug/ml#	88
116) Benzo(ghi)perylene	16.592	276	115373	1.404	ug/ml#	85

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-3.D
Acq On : 15 Jun 2025 8:57 pm
Operator : SV106:smz
Sample : WG2078863-3,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 09:14:01 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

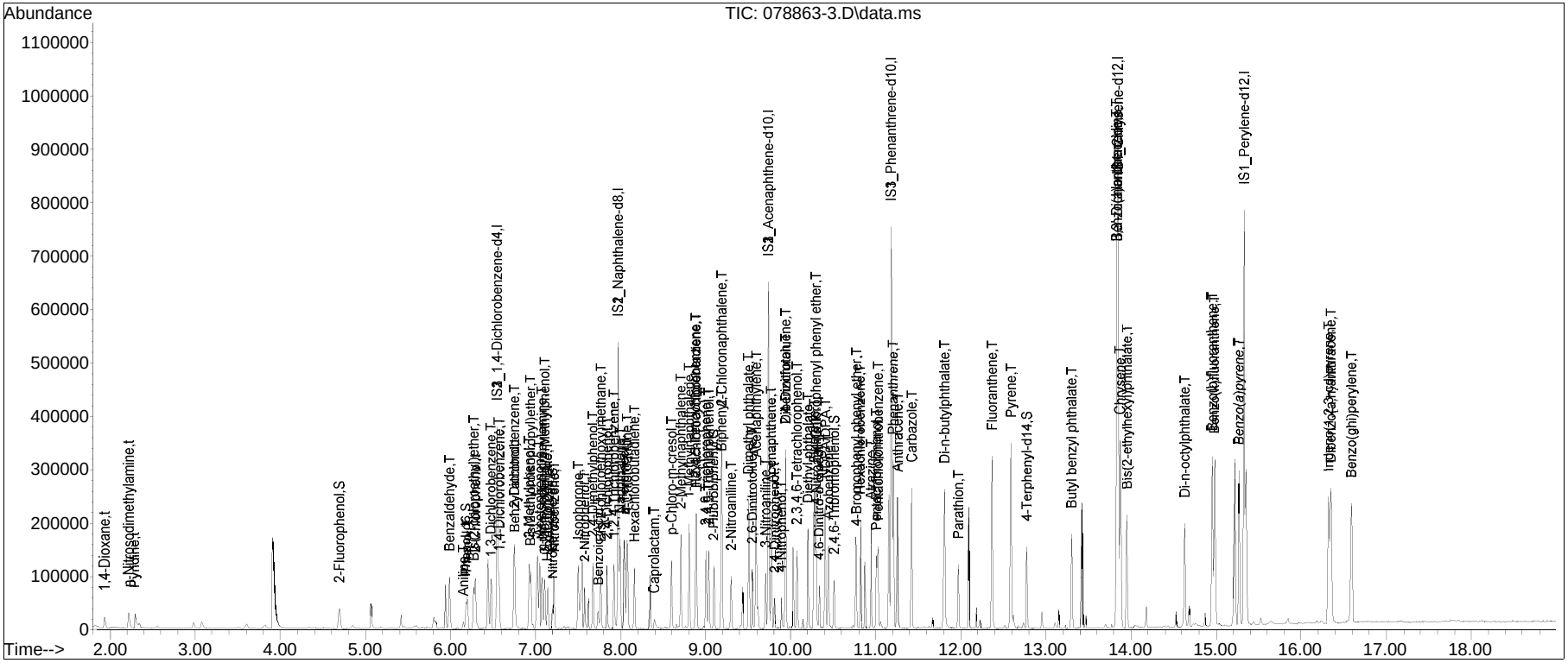
(#) = qualifier out of range (m) = manual integration (+) = signals summed

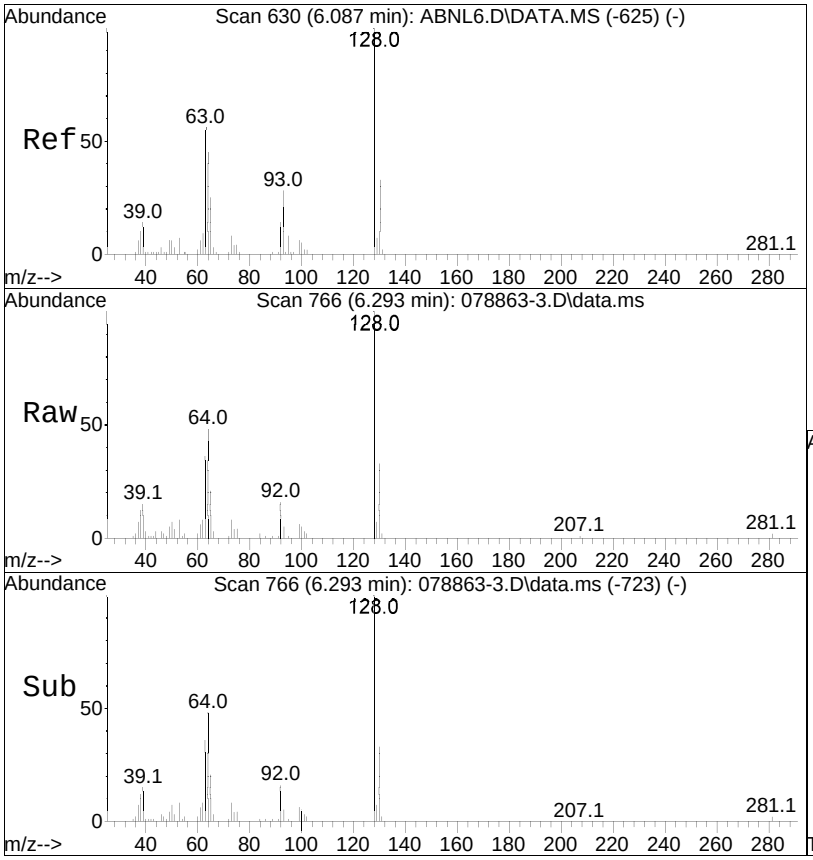
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-3.D
Acq On : 15 Jun 2025 8:57 pm
Operator : SV106:smz
Sample : WG2078863-3,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 23 09:14:01 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_REV2 - TCL/CT/MARVT\AP90615.D•

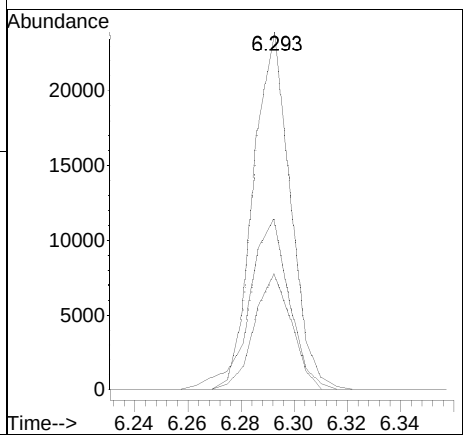


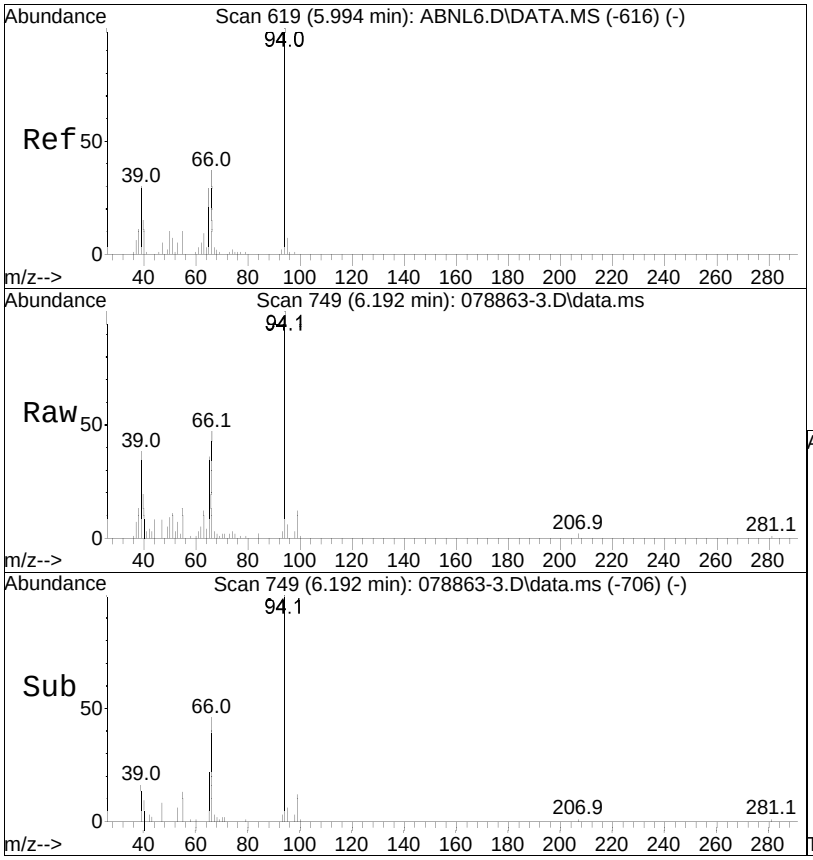


#6
2-Chlorophenol
Concen: 1.27 ug/ml
RT: 6.293 min Scan# 766
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:128 Resp: 23066

Ion	Ratio	Lower	Upper
128	100		
64	51.9	45.1	67.7
130	32.7	26.2	39.4

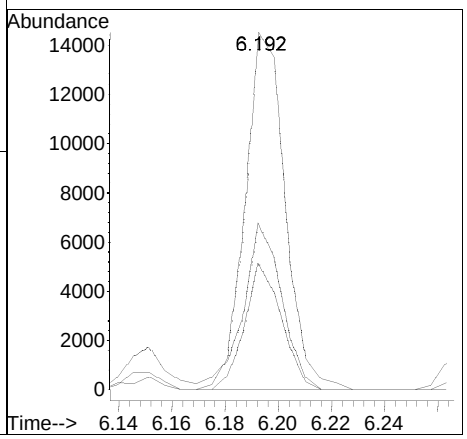


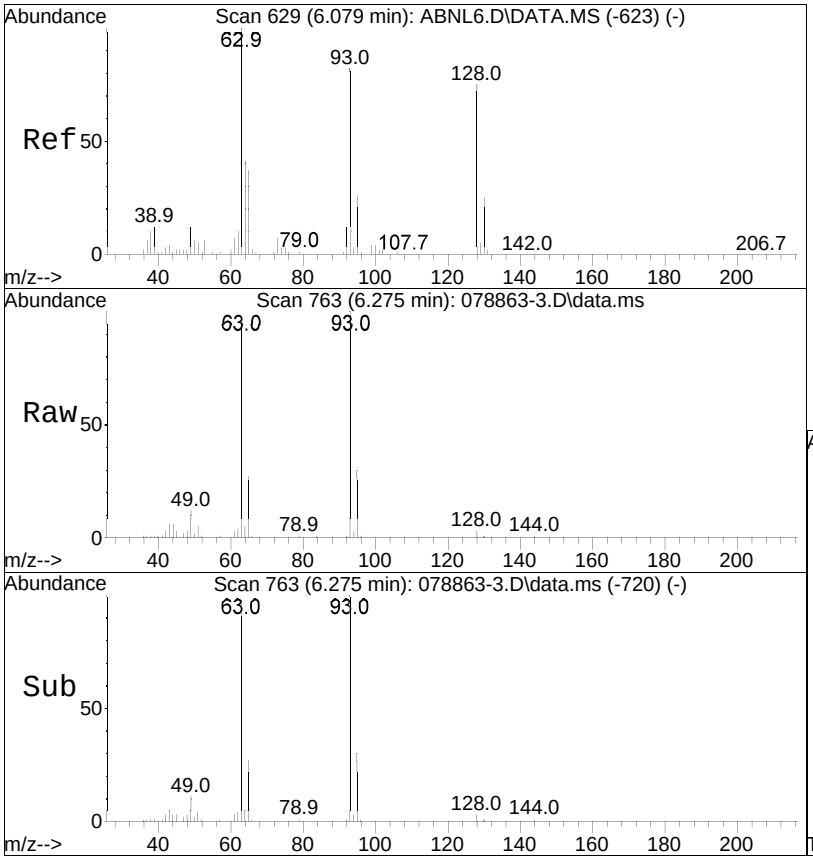


#8
Phenol
Concen: 0.69 ug/ml
RT: 6.192 min Scan# 749
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 94 Resp: 15042

Ion	Ratio	Lower	Upper
94	100		
65	32.7	26.0	39.0
66	45.3	33.8	50.8

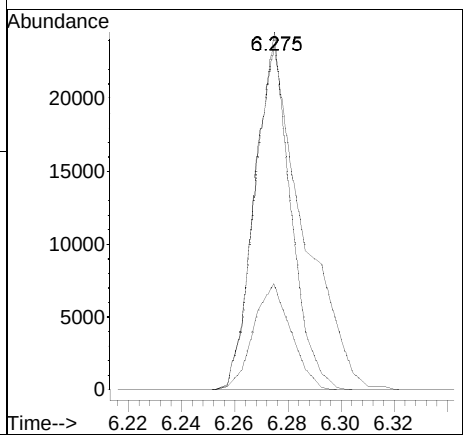


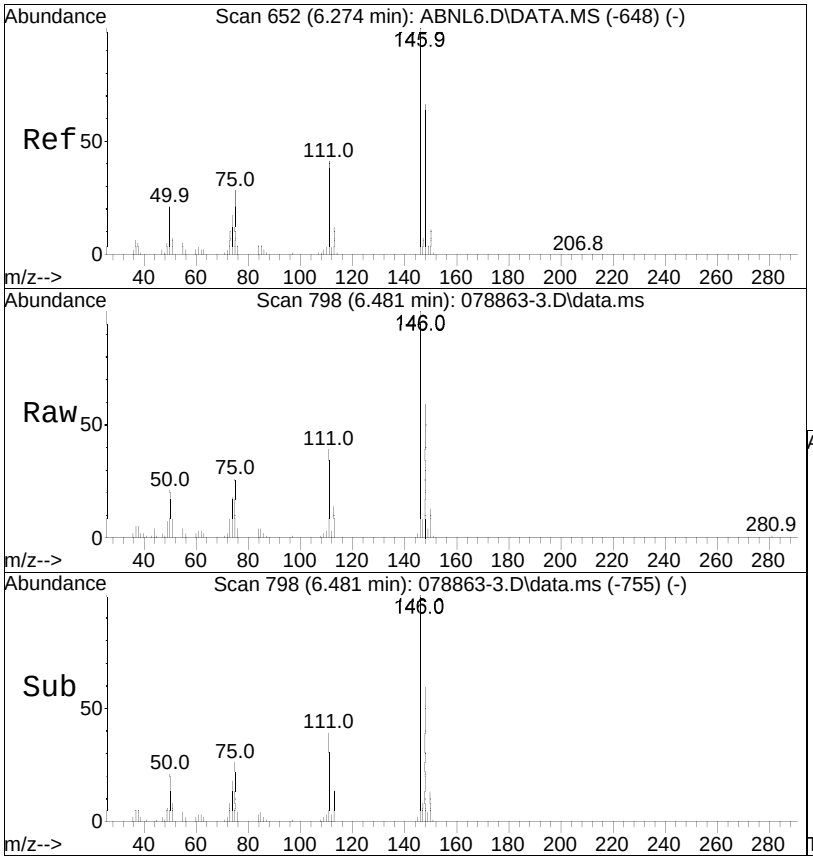


#9
Bis(2-chloroethyl)ether
Concen: 1.31 ug/ml
RT: 6.275 min Scan# 763
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 93 Resp: 22627

Ion	Ratio	Lower	Upper
93	100		
63	132.9	74.6	111.8#
95	31.6	25.9	38.9

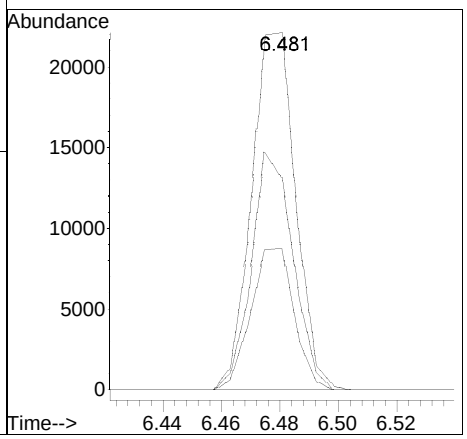


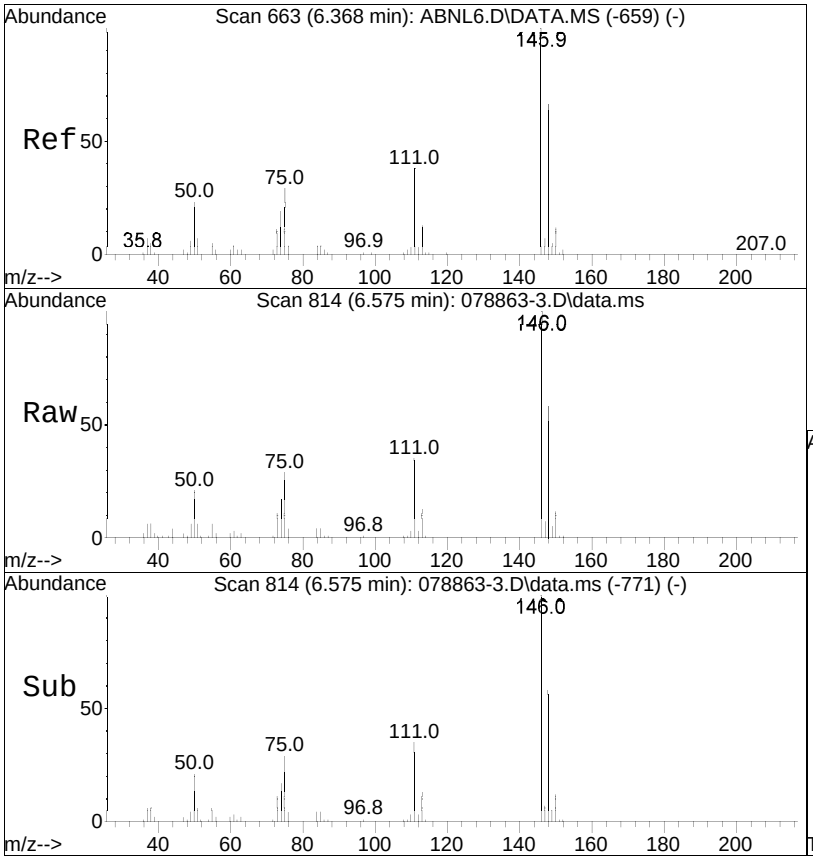


#10
1,3-Dichlorobenzene
Concen: 1.00 ug/ml
RT: 6.481 min Scan# 798
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:146 Resp: 23070

Ion	Ratio	Lower	Upper
146	100		
111	39.1	34.3	51.5
148	62.8	50.8	76.2

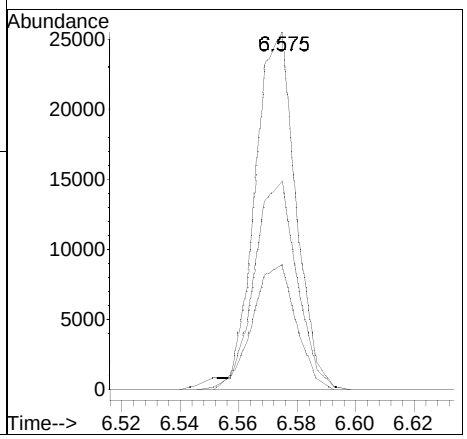


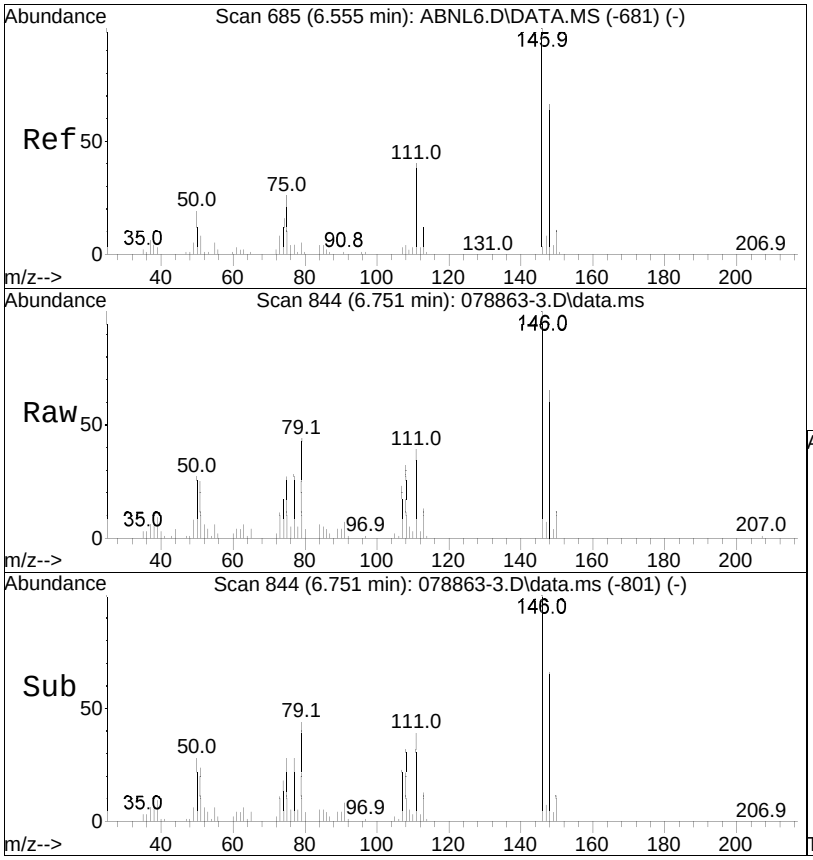


#11
1,4-Dichlorobenzene
Concen: 1.04 ug/ml
RT: 6.575 min Scan# 814
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:146 Resp: 24507

Ion	Ratio	Lower	Upper
146	100		
148	61.5	50.7	76.1
111	39.3	33.4	50.0

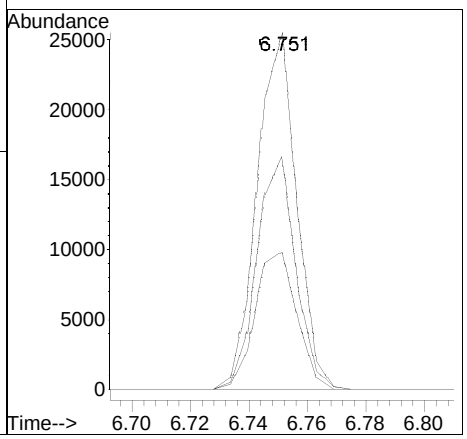


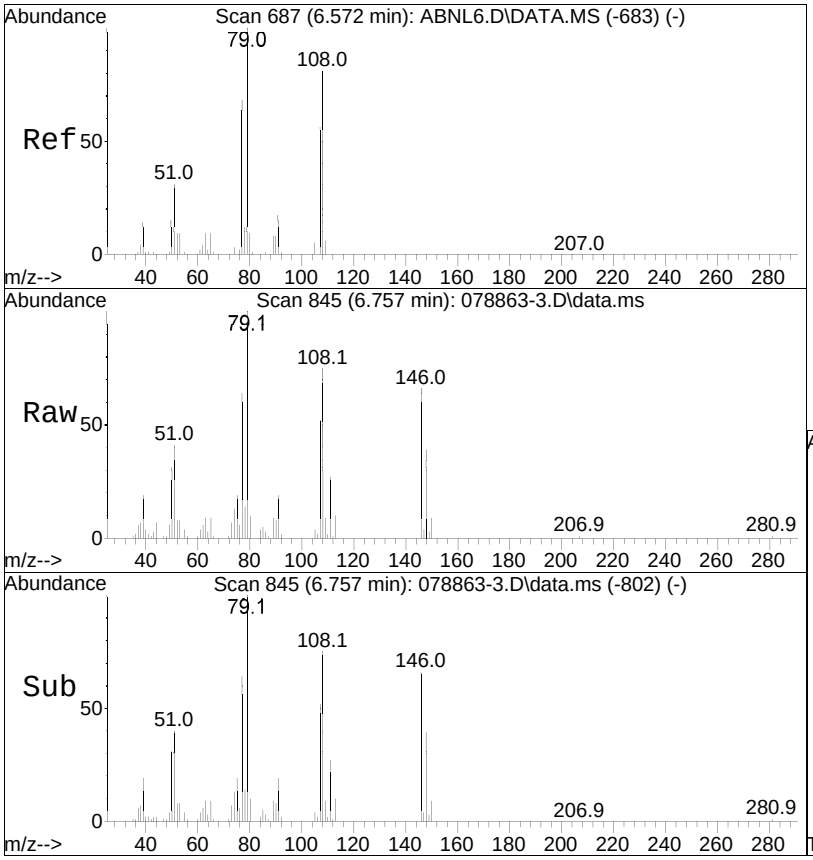


#12
1,2-Dichlorobenzene
Concen: 1.07 ug/ml
RT: 6.751 min Scan# 844
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:146 Resp: 23795

Ion	Ratio	Lower	Upper
146	100		
111	41.0	34.6	52.0
148	64.4	50.2	75.4

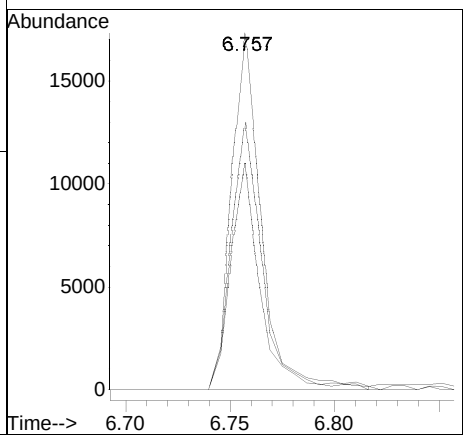


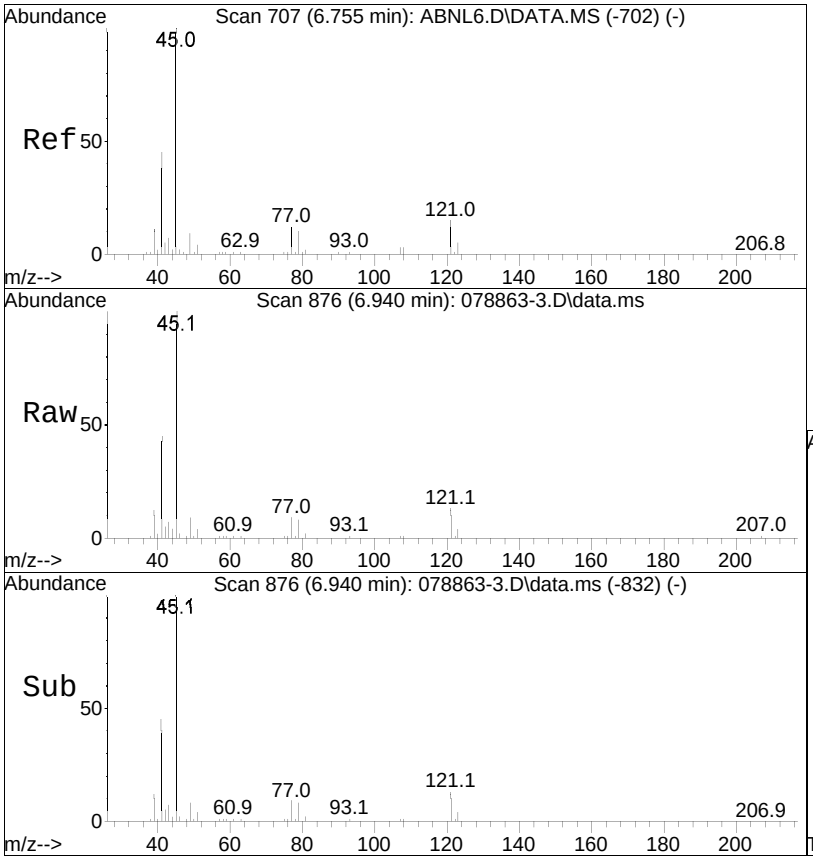


#13
Benzyl alcohol
Concen: 1.26 ug/ml
RT: 6.757 min Scan# 845
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 79 Resp: 17124

Ion	Ratio	Lower	Upper
79	100		
77	63.1	54.9	82.3
108	77.4	63.1	94.7

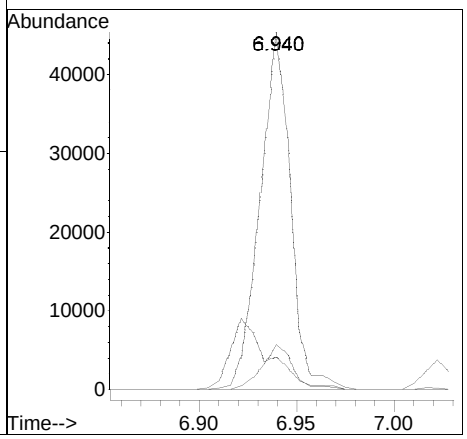


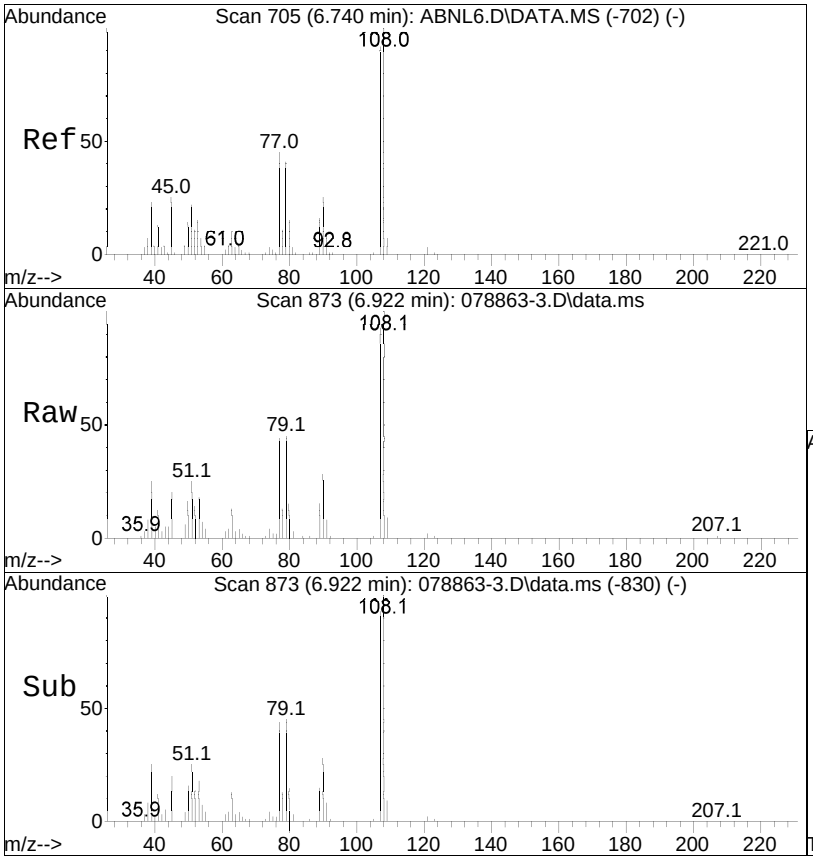


#14
Bis(2-chloroisopropyl)ether
Concen: 1.21 ug/ml
RT: 6.940 min Scan# 876
Delta R.T. 0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 45 Resp: 48811

Ion	Ratio	Lower	Upper
45	100		
121	12.7	9.8	14.6
77	25.5	6.1	9.1#

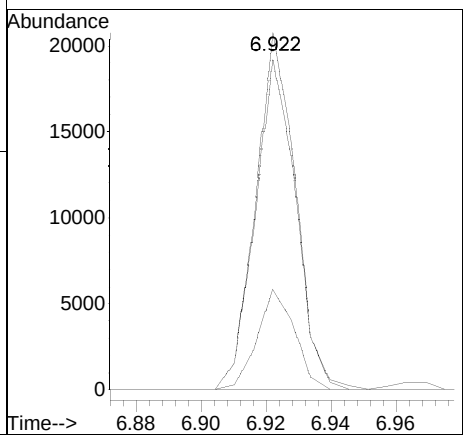


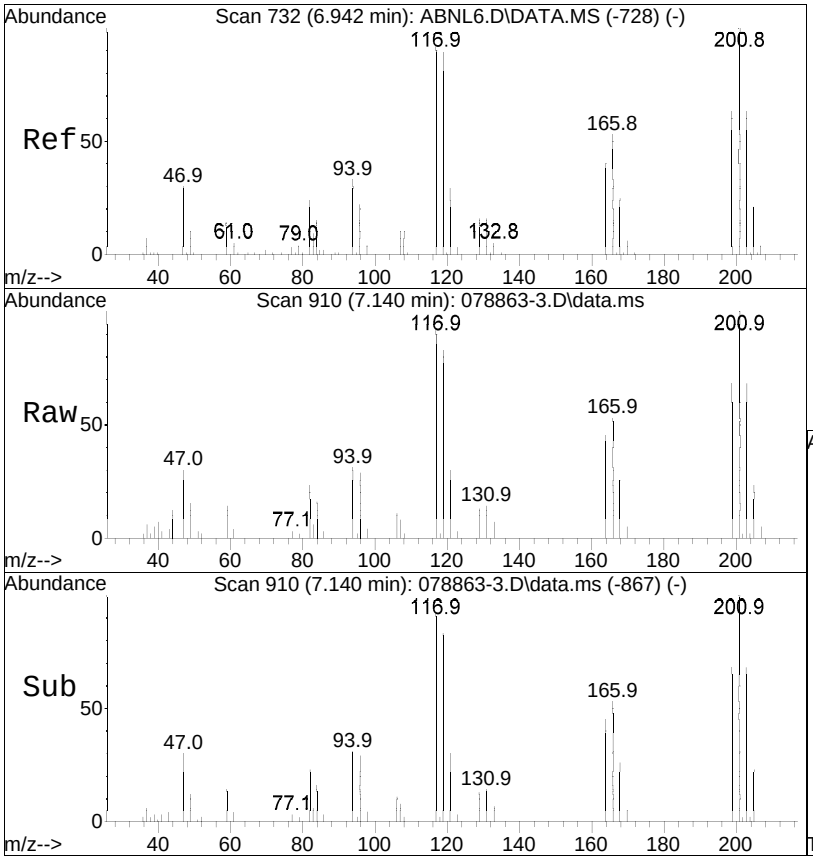


#15
2-Methylphenol
Concen: 0.92 ug/ml
RT: 6.922 min Scan# 873
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:108 Resp: 17552

Ion	Ratio	Lower	Upper
108	100		
107	95.1	70.7	106.1
90	26.3	18.7	28.1

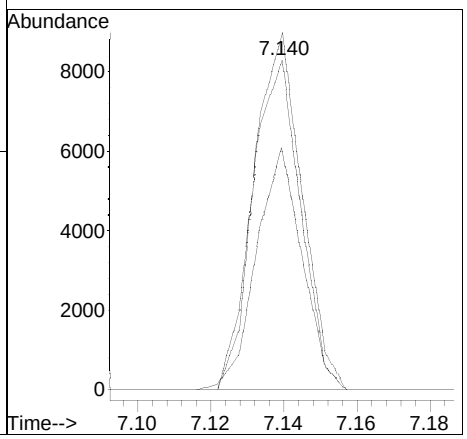


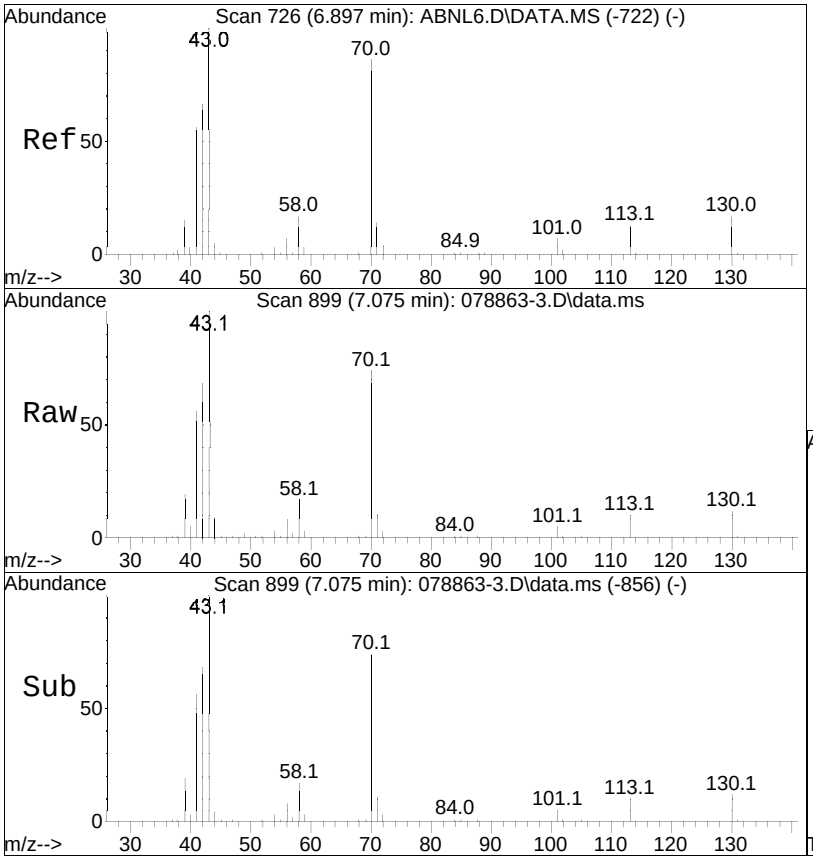


#16
Hexachloroethane
Concen: 0.93 ug/ml
RT: 7.140 min Scan# 910
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:117 Resp: 7603

Ion	Ratio	Lower	Upper
117	100		
201	107.0	58.6	87.8#
199	69.4	36.9	55.3#

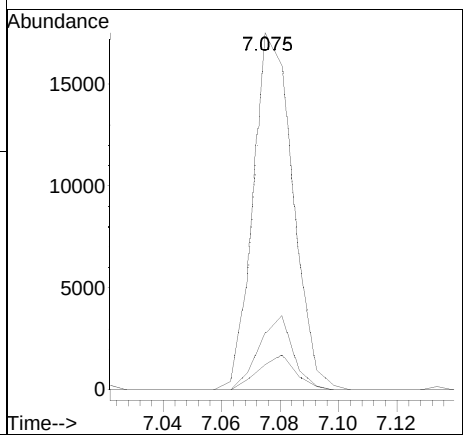


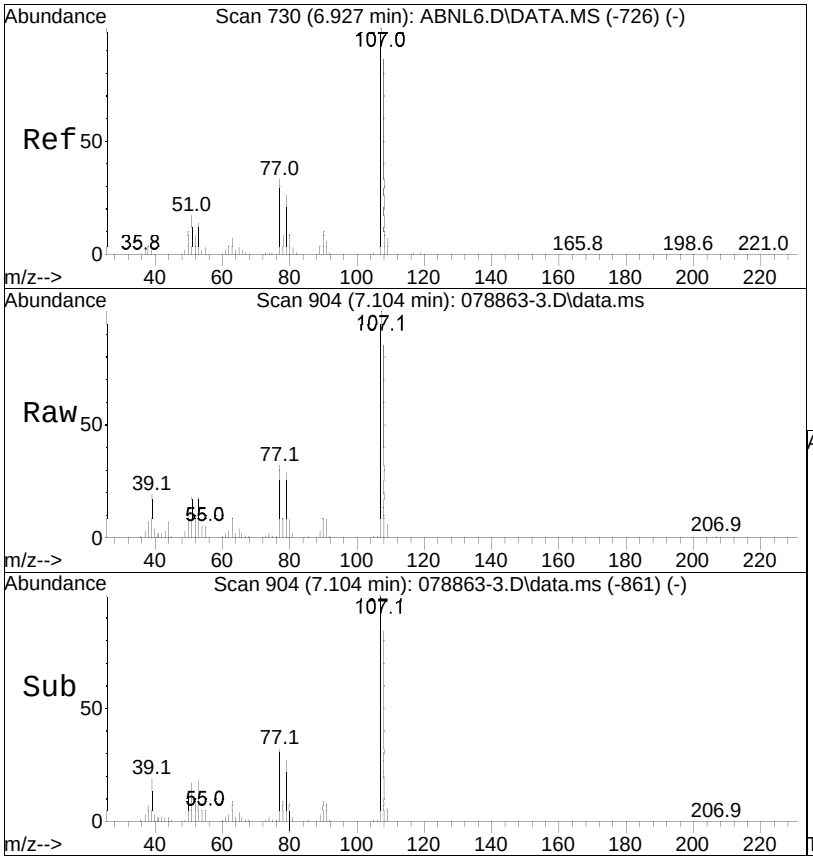


#17
n-Nitrosodi-n-propylamine
Concen: 1.29 ug/ml
RT: 7.075 min Scan# 899
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 70 Resp: 16514

Ion	Ratio	Lower	Upper
70	100		
130	17.9	18.2	27.4#
101	9.1	7.8	11.8

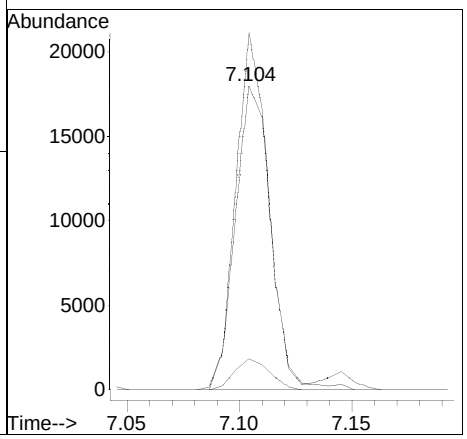


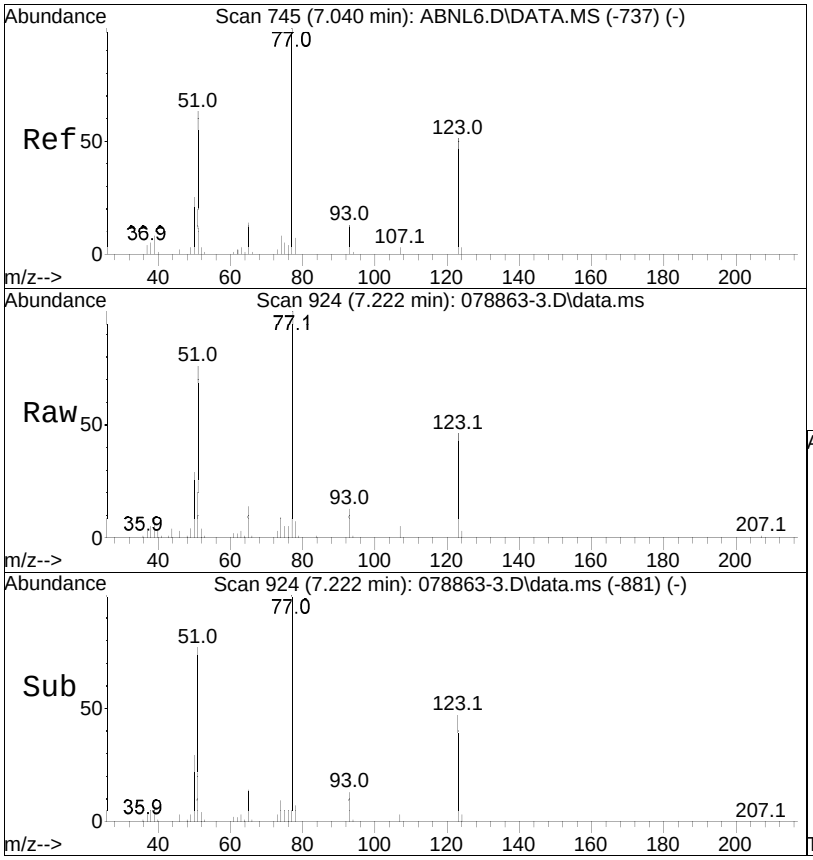


#18
3-Methylphenol/4-Methylphenol
Concen: 1.18 ug/ml
RT: 7.104 min Scan# 904
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:108 Resp: 19611

Ion	Ratio	Lower	Upper
108	100		
107	108.5	88.6	132.8
90	10.0	8.8	13.2

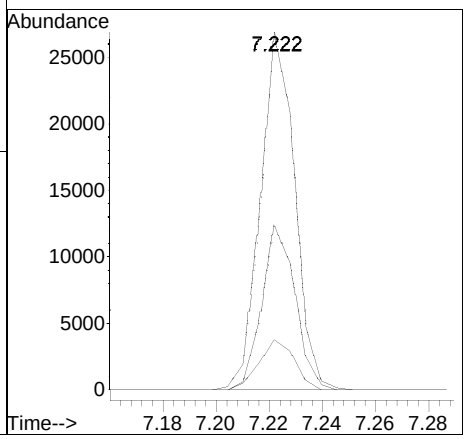


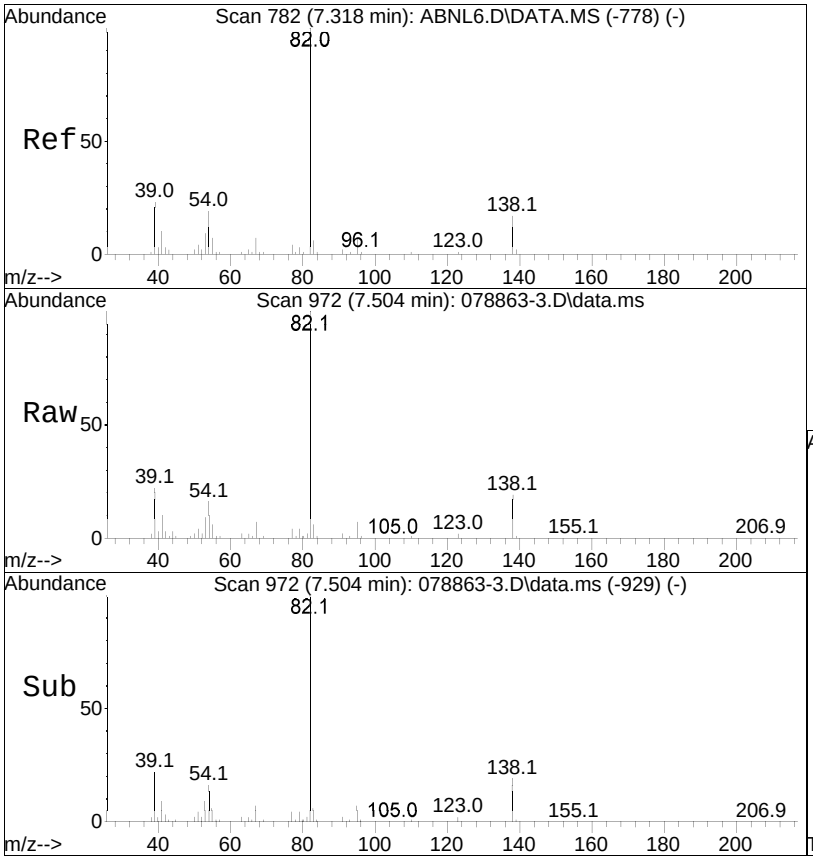


#20
Nitrobenzene
Concen: 1.43 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 77 Resp: 23831

Ion	Ratio	Lower	Upper
77	100		
123	45.0	36.3	54.5
65	14.6	11.6	17.4

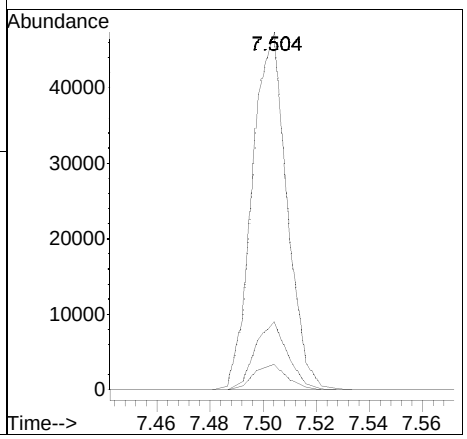


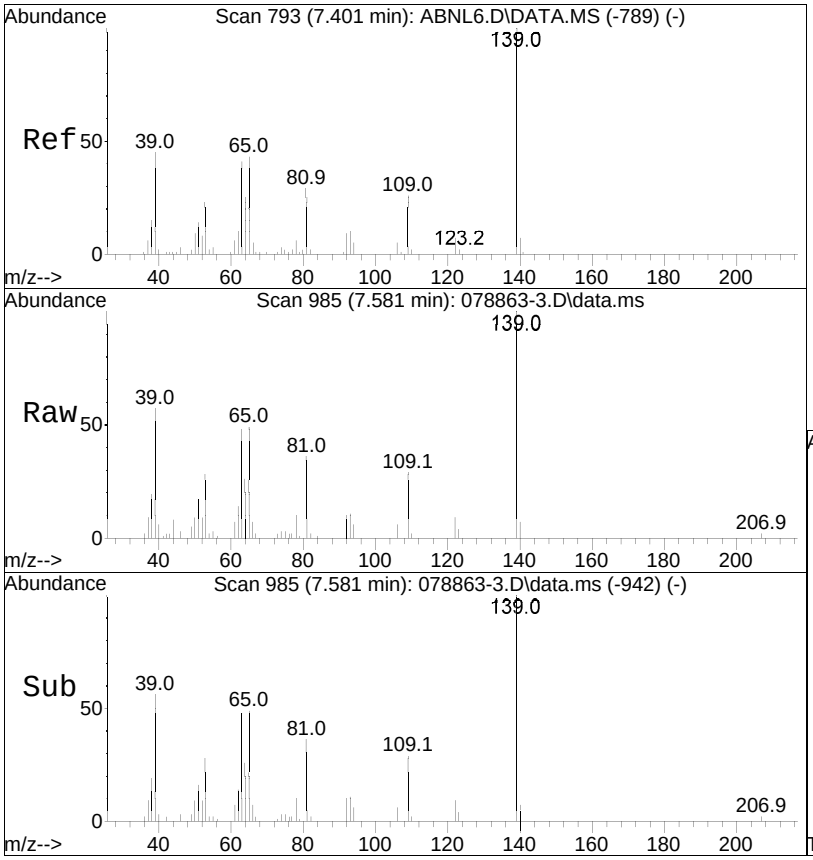


#21
Isophorone
Concen: 1.24 ug/ml
RT: 7.504 min Scan# 972
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 82 Resp: 42421

Ion	Ratio	Lower	Upper
82	100		
138	18.1	14.7	22.1
95	7.0	5.2	7.8

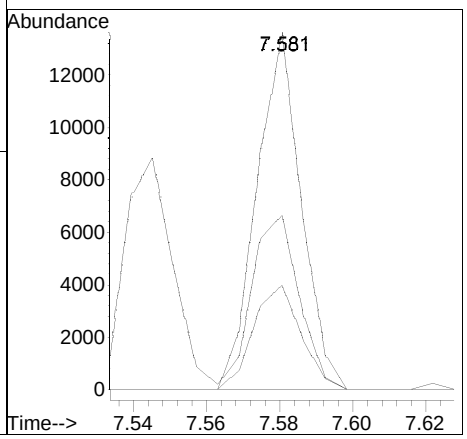


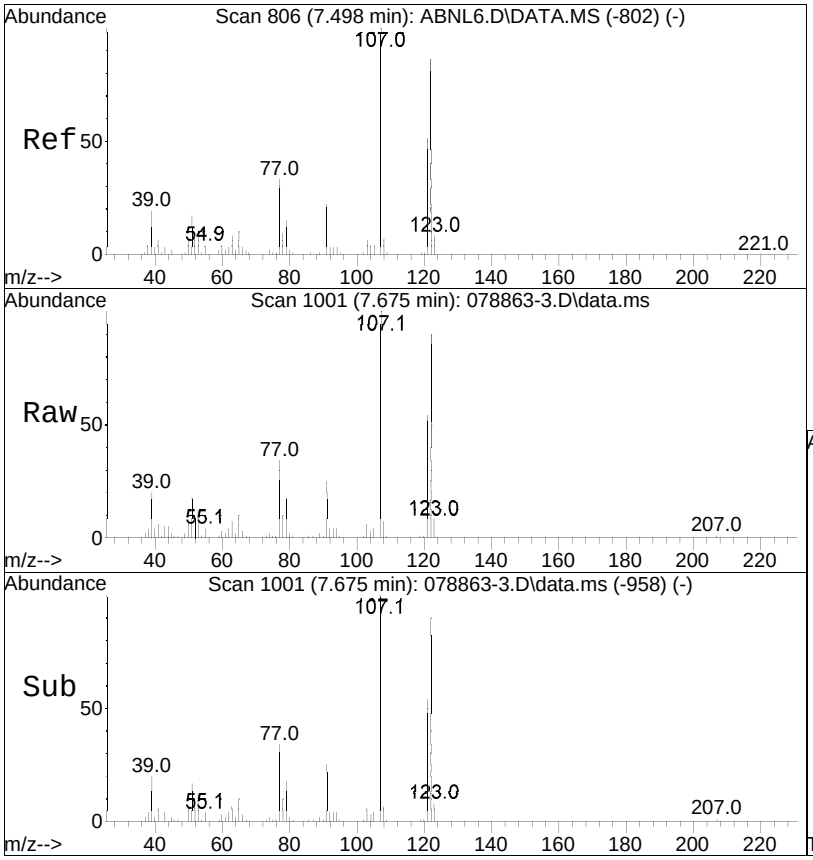


#22
2-Nitrophenol
Concen: 1.51 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:139 Resp: 11470

Ion	Ratio	Lower	Upper
139	100		
109	31.4	19.4	29.0#
65	52.2	46.1	69.1

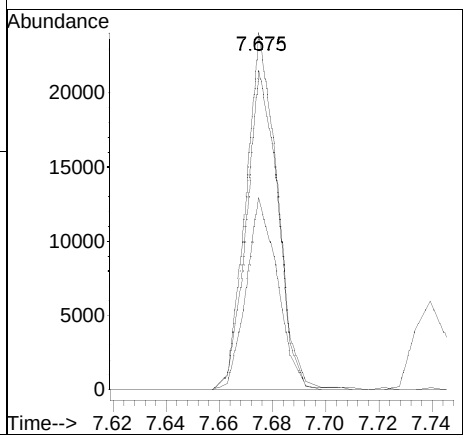


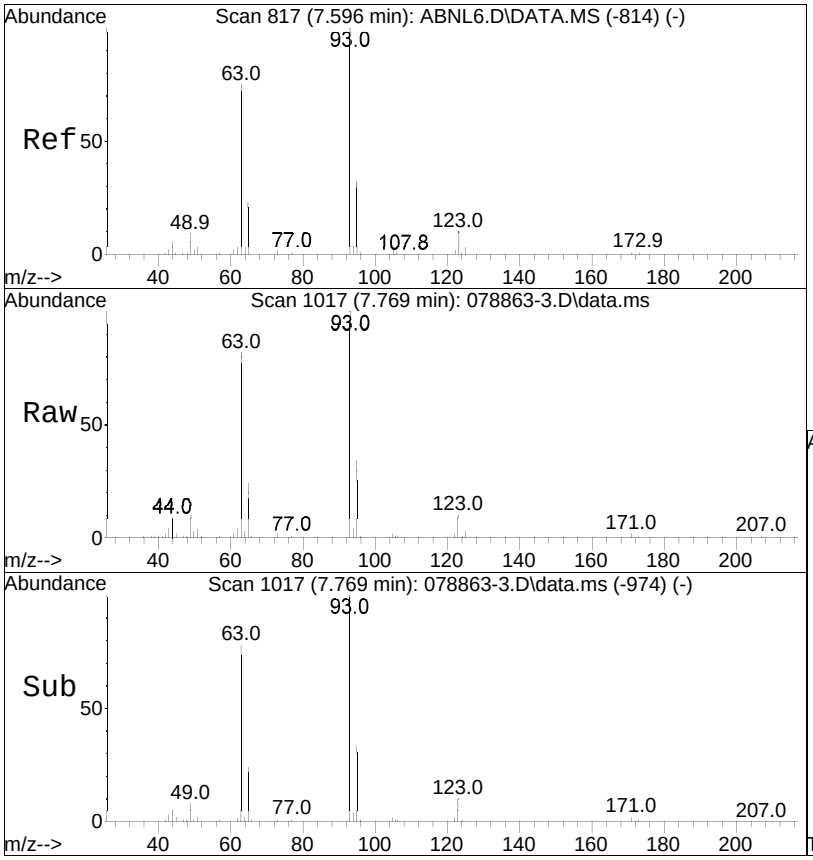


#23
2,4-Dimethylphenol
Concen: 1.10 ug/ml
RT: 7.675 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:107 Resp: 19684

Ion	Ratio	Lower	Upper
107	100		
121	53.9	40.0	60.0
122	89.7	70.2	105.4

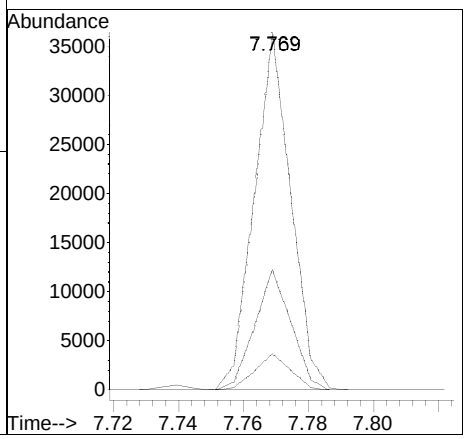


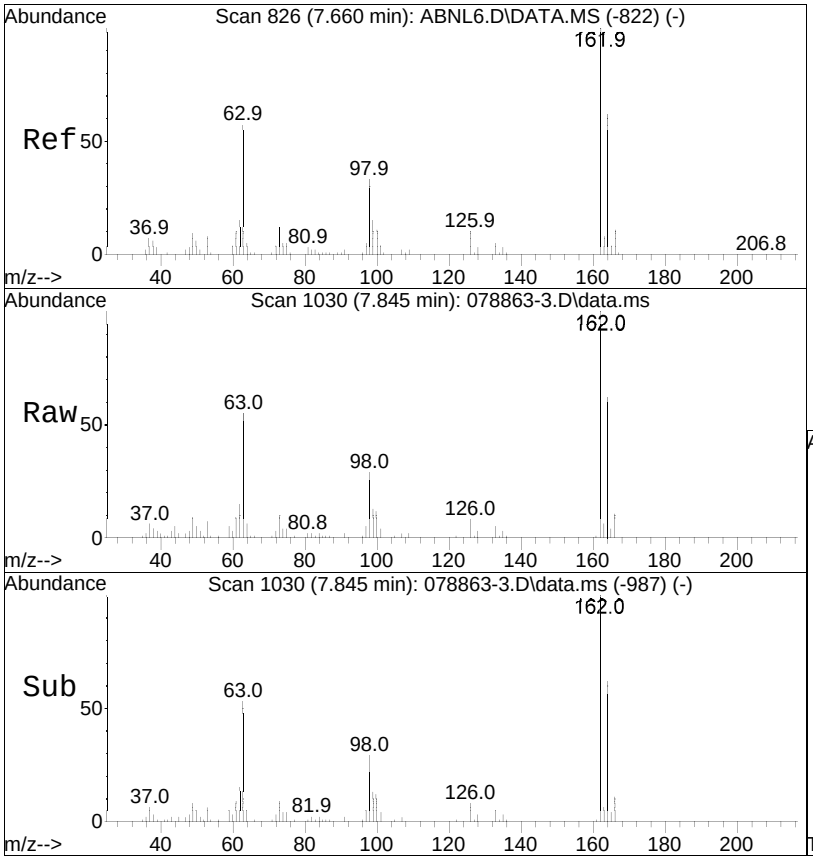


#24
Bis(2-chloroethoxy)methane
Concen: 1.15 ug/ml
RT: 7.769 min Scan# 1017
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 93 Resp: 28140

Ion	Ratio	Lower	Upper
93	100		
95	33.5	25.8	38.8
123	10.0	10.1	15.1#

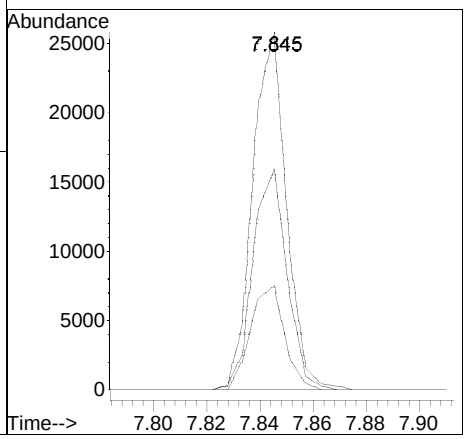


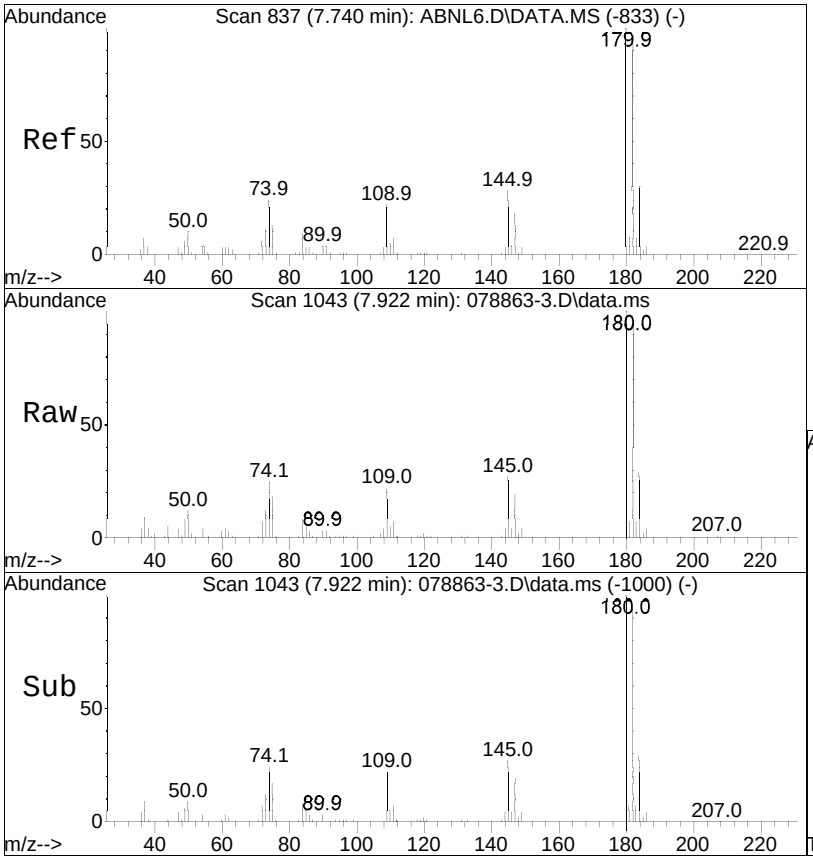


#25
2,4-Dichlorophenol
Concen: 1.32 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:162 Resp: 22407

Ion	Ratio	Lower	Upper
162	100		
164	62.8	51.0	76.4
98	29.8	32.2	48.2#

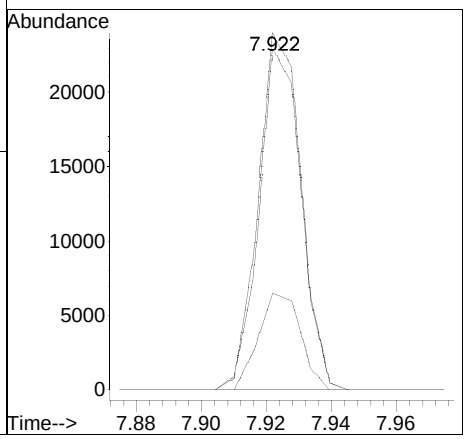


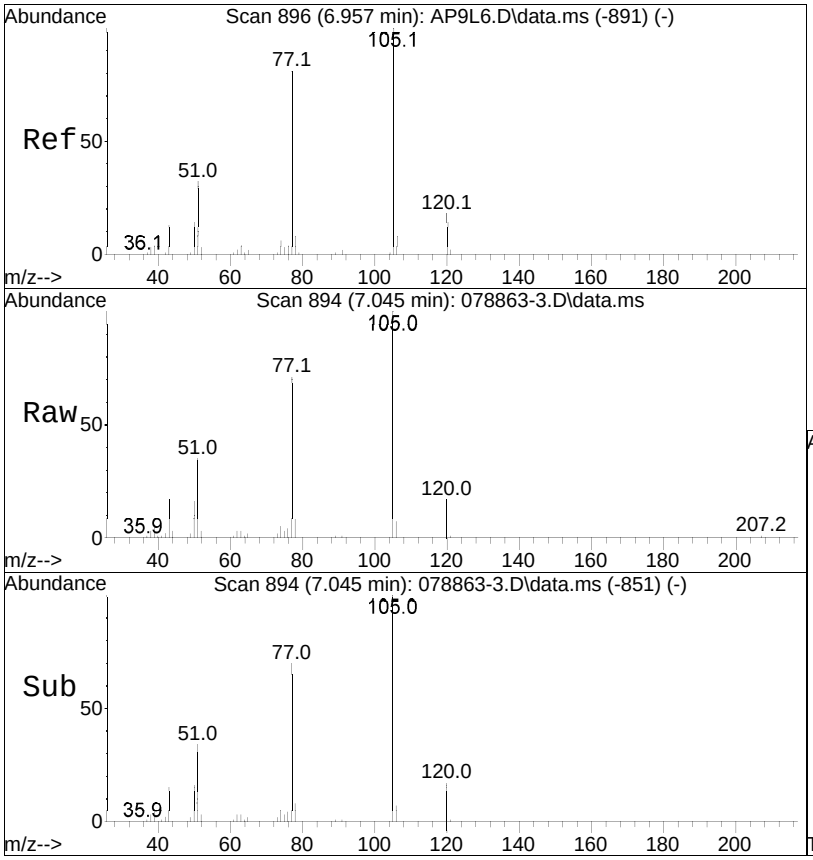


#26
1,2,4-Trichlorobenzene
Concen: 1.00 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:180 Resp: 21872

Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.0	114.0
145	26.6	25.7	38.5

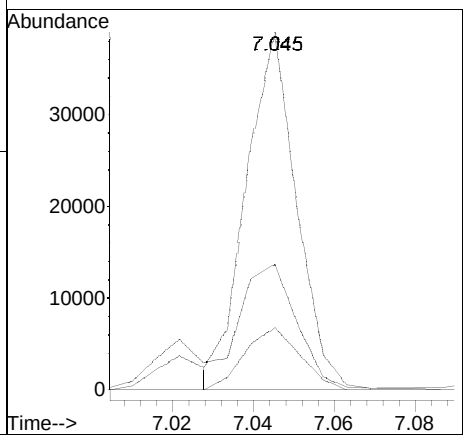


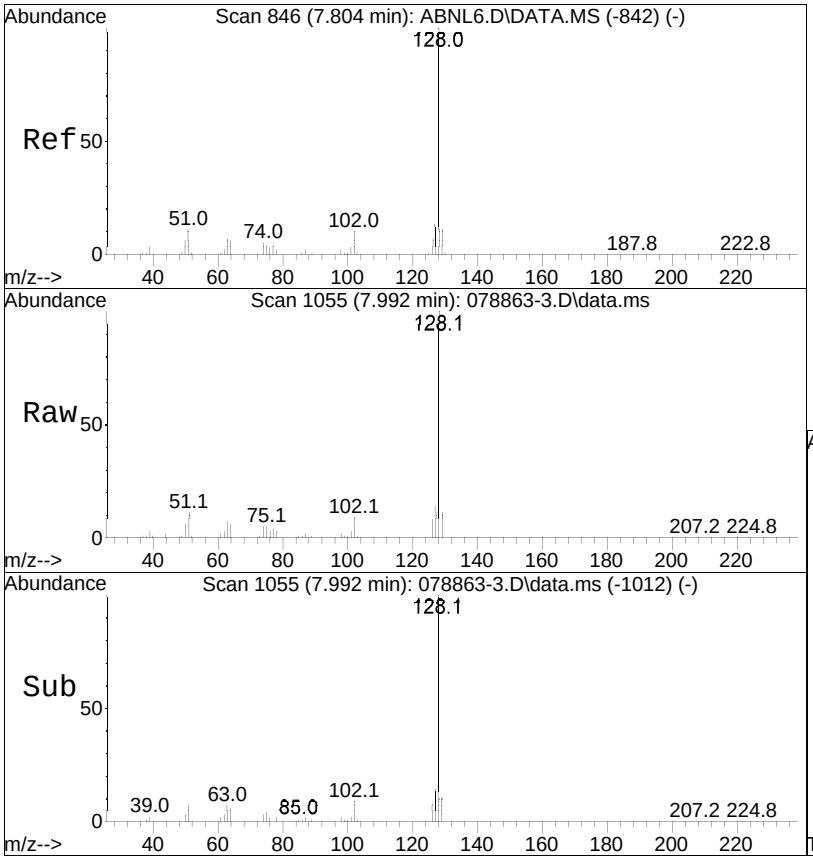


#29
Acetophenone
Concen: 1.37 ug/ml M6
RT: 7.045 min Scan# 894
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:105 Resp: 33626

Ion	Ratio	Lower	Upper
105	100		
120	19.1	20.5	30.7#
51	53.9	34.9	52.3#

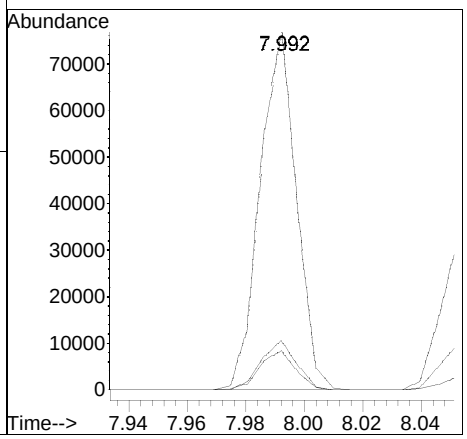


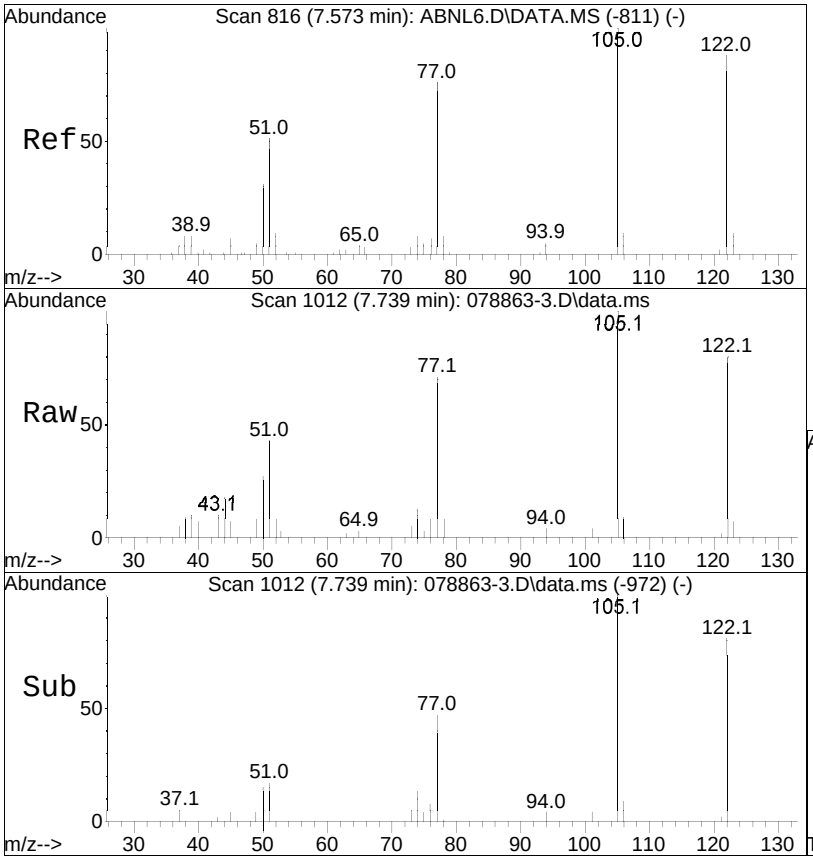


#36
Naphthalene
Concen: 1.19 ug/ml
RT: 7.992 min Scan# 1055
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:128 Resp: 65805

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.7	13.1
127	13.4	10.3	15.5

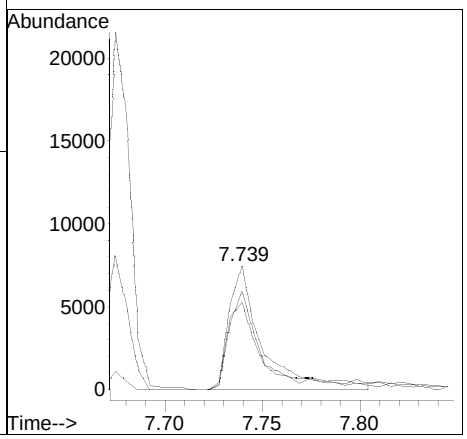


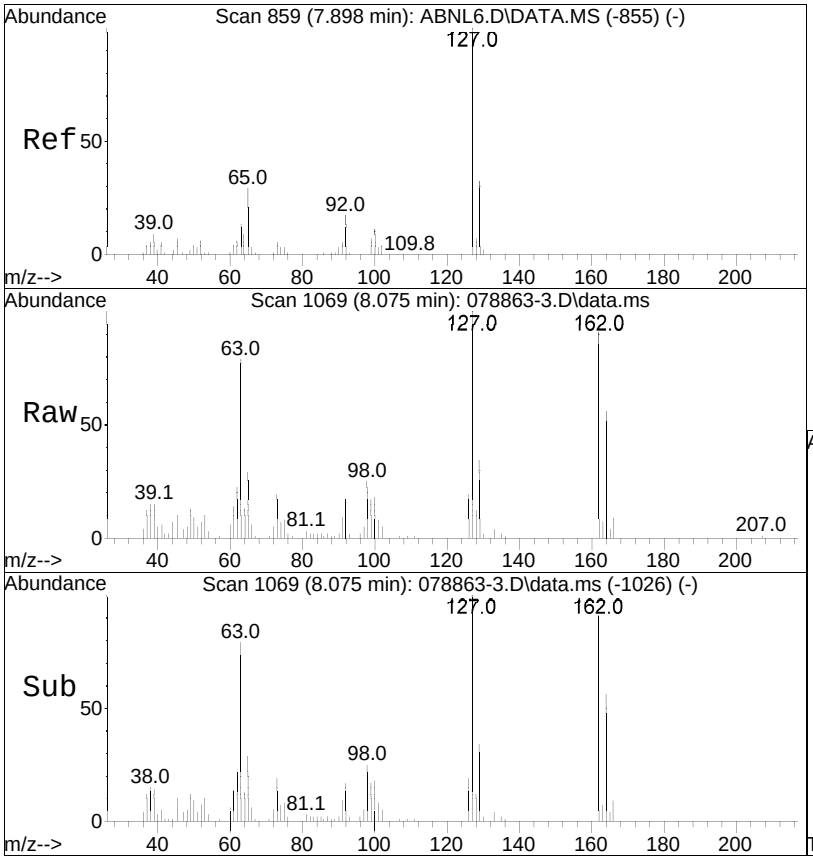


#37
Benzoic Acid
Concen: 1.51 ug/ml
RT: 7.739 min Scan# 1012
Delta R.T. -0.018 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:105 Resp: 9105

Ion	Ratio	Lower	Upper
105	100		
122	77.7	59.9	89.9
77	75.9	60.1	90.1

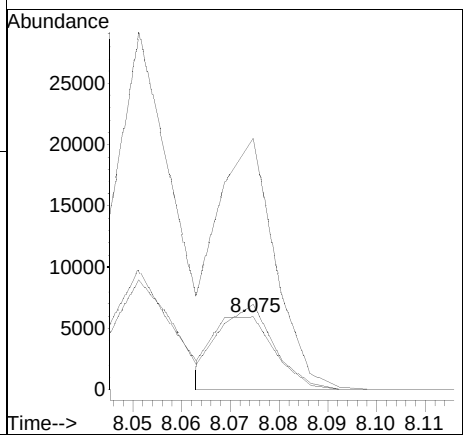


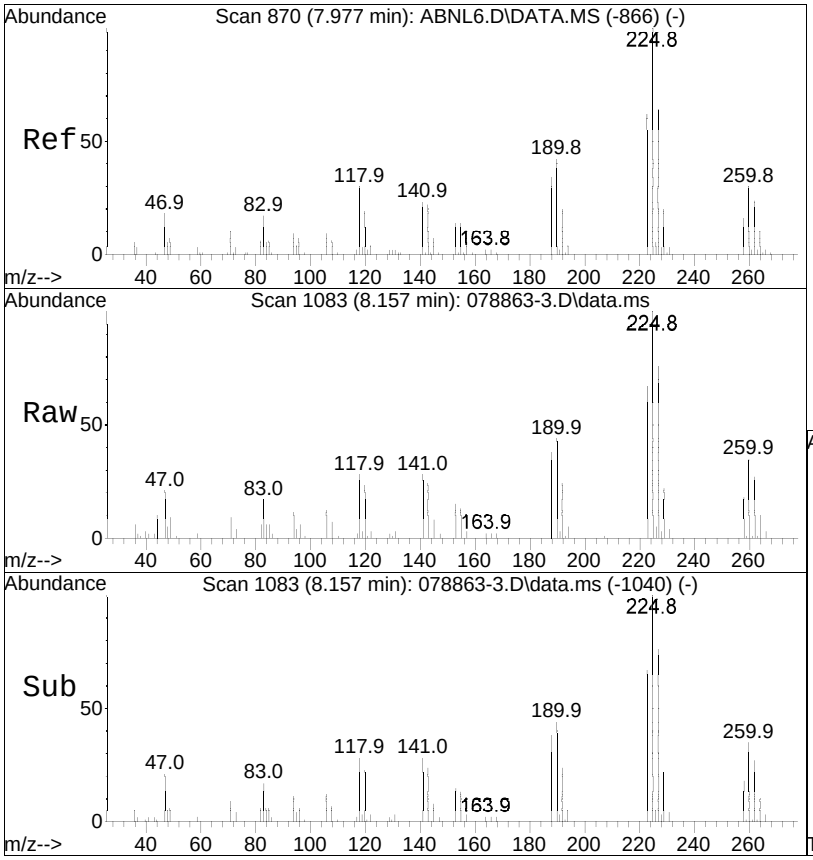


#38
4-Chloroaniline
Concen: 0.74 ug/ml
RT: 8.075 min Scan# 1069
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 65 Resp: 5069

Ion	Ratio	Lower	Upper
65	100		
127	322.7	237.6	356.4
129	105.9	76.3	114.5

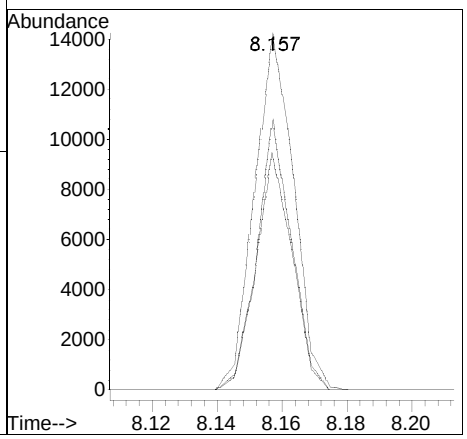


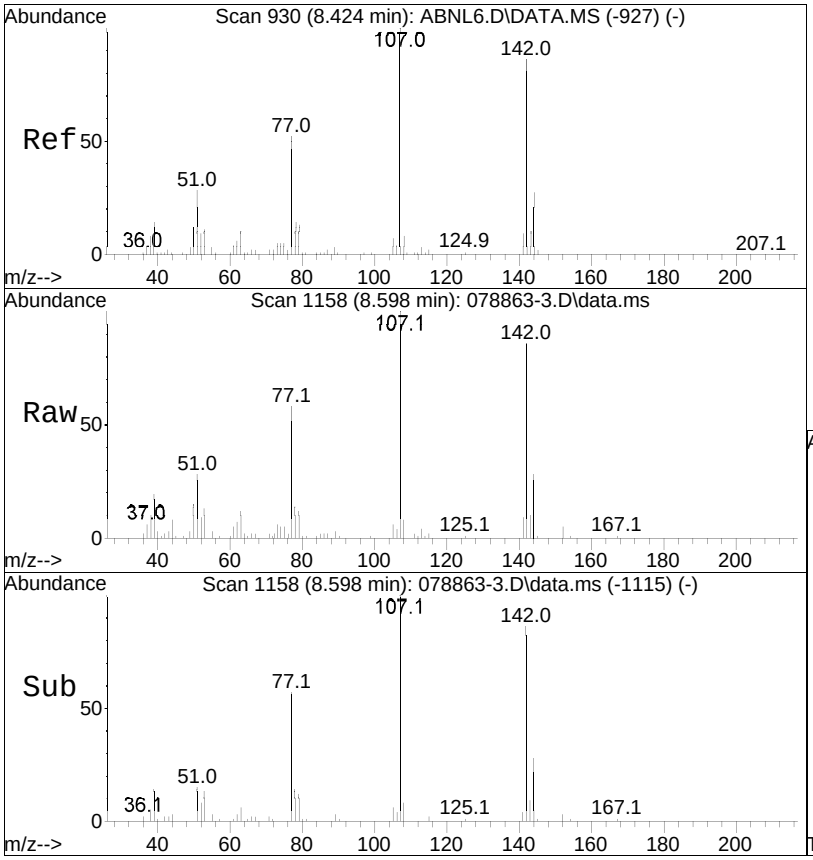


#39
Hexachlorobutadiene
Concen: 0.94 ug/ml
RT: 8.157 min Scan# 1083
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:225 Resp: 11897

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.3	75.5
227	66.4	52.2	78.2

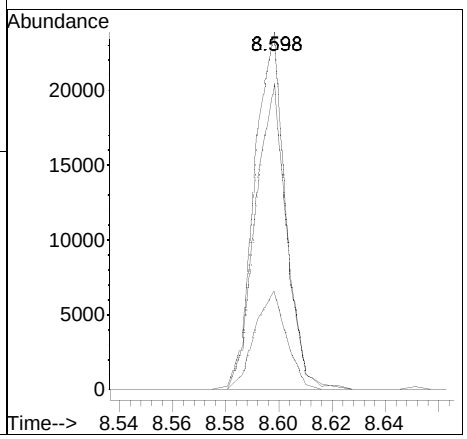


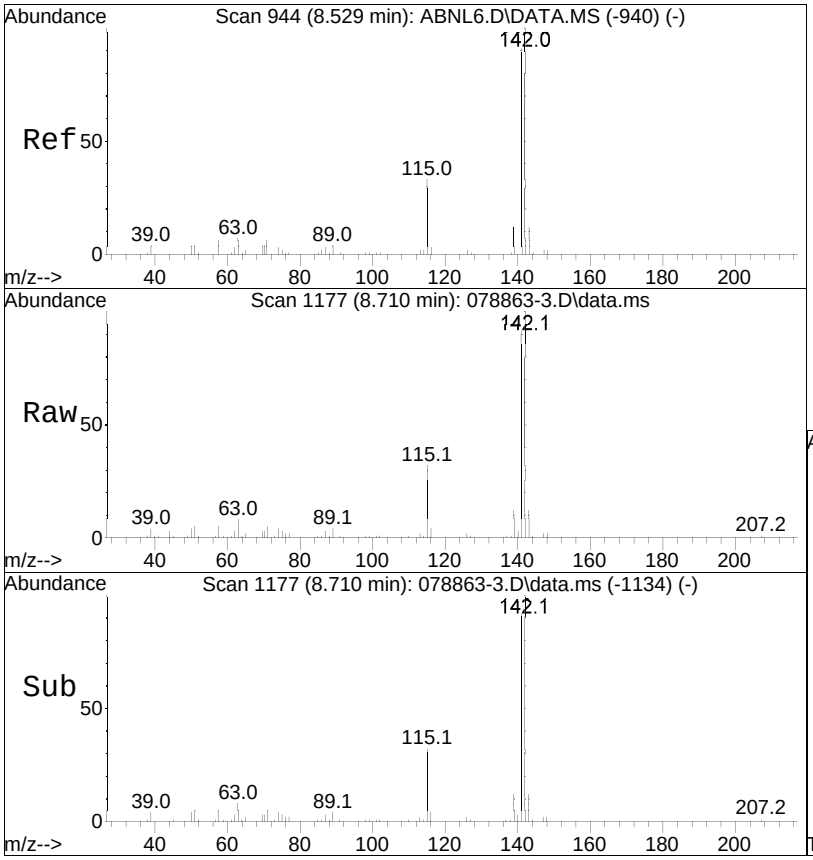


#40
p-Chloro-m-cresol
Concen: 1.13 ug/ml
RT: 8.598 min Scan# 1158
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:107 Resp: 19045

Ion	Ratio	Lower	Upper
107	100		
144	28.5	20.9	31.3
142	86.6	66.1	99.1

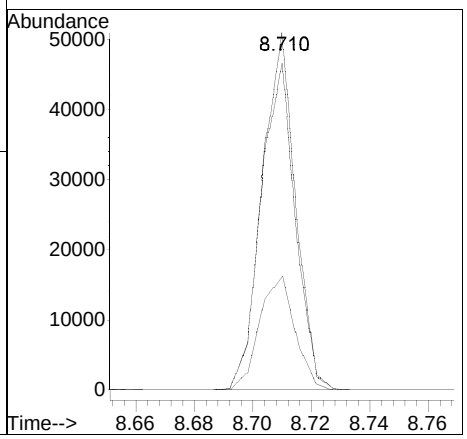


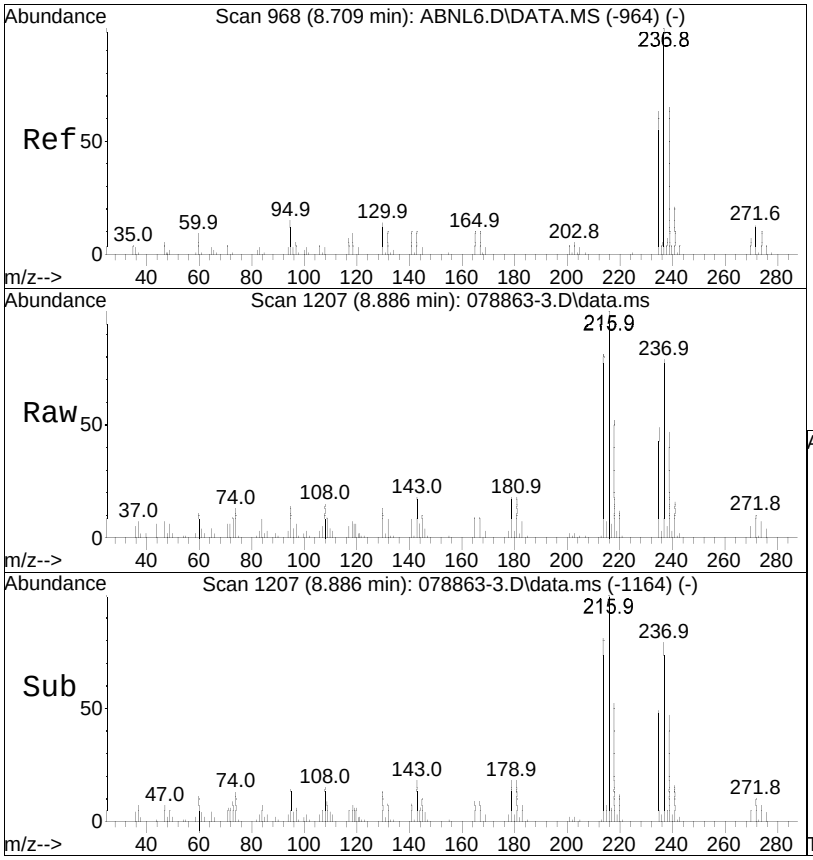


#41
2-Methylnaphthalene
Concen: 1.23 ug/ml
RT: 8.710 min Scan# 1177
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:142 Resp: 40441

Ion	Ratio	Lower	Upper
142	100		
141	93.9	69.6	104.4
115	33.7	26.6	40.0

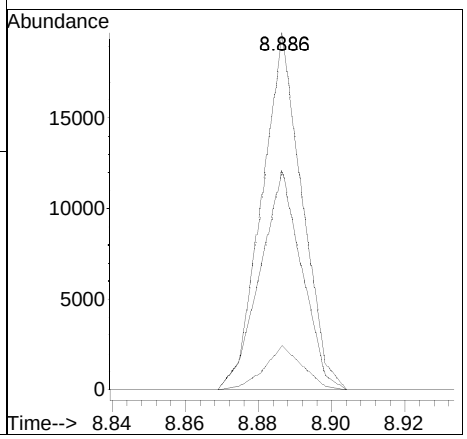


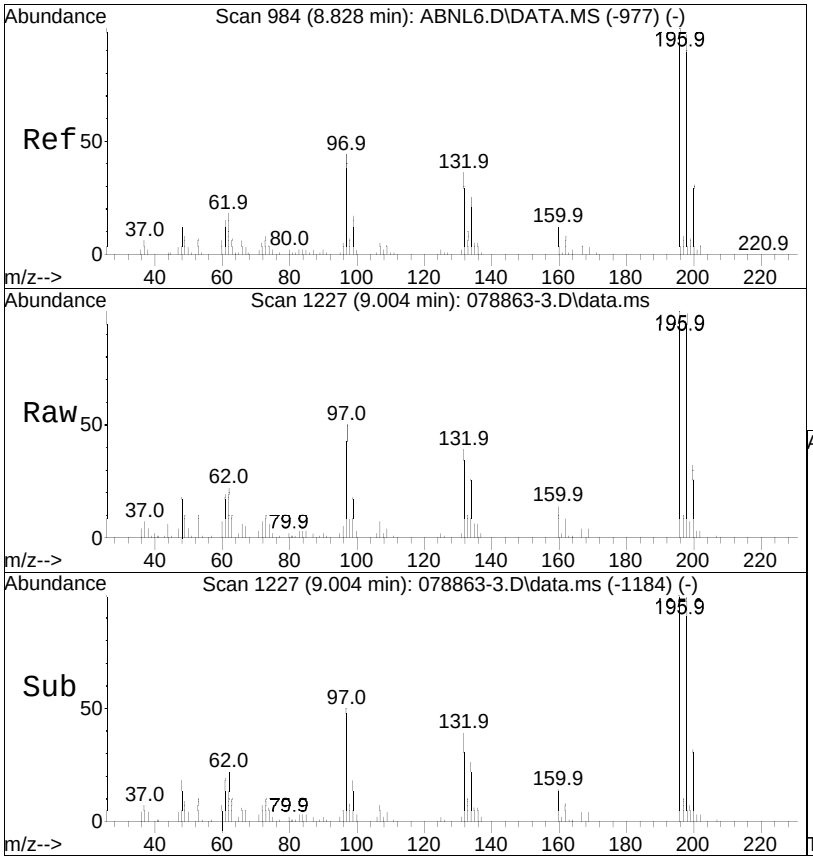


#43
Hexachlorocyclopentadiene
Concen: 0.97 ug/ml
RT: 8.886 min Scan# 1207
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:237 Resp: 14976

Ion	Ratio	Lower	Upper
237	100		
235	64.2	49.7	74.5
272	11.8	9.8	14.6

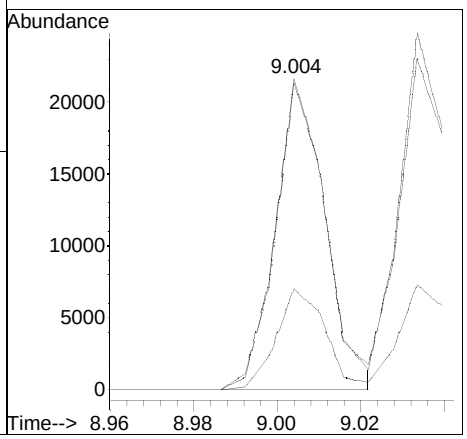


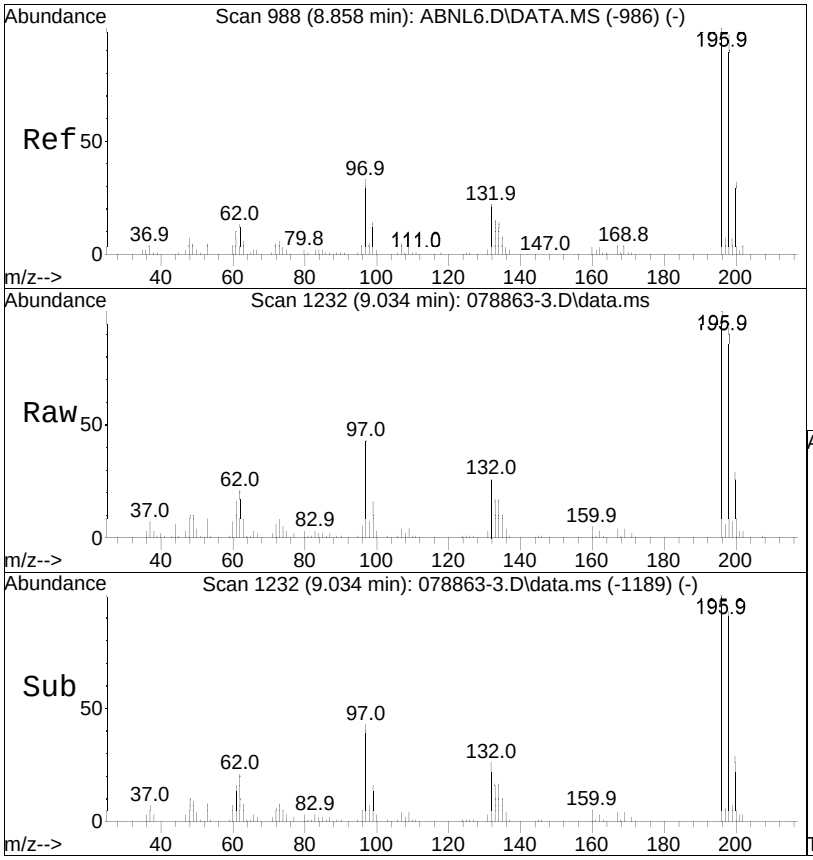


#44
2,4,6-Trichlorophenol
Concen: 1.38 ug/ml
RT: 9.004 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:196 Resp: 17883

Ion	Ratio	Lower	Upper
196	100		
198	99.5	77.5	116.3
200	32.5	23.8	35.6

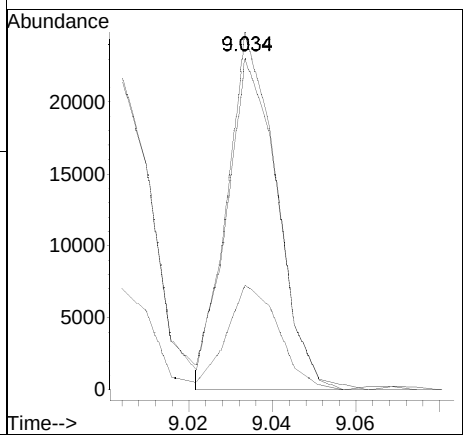


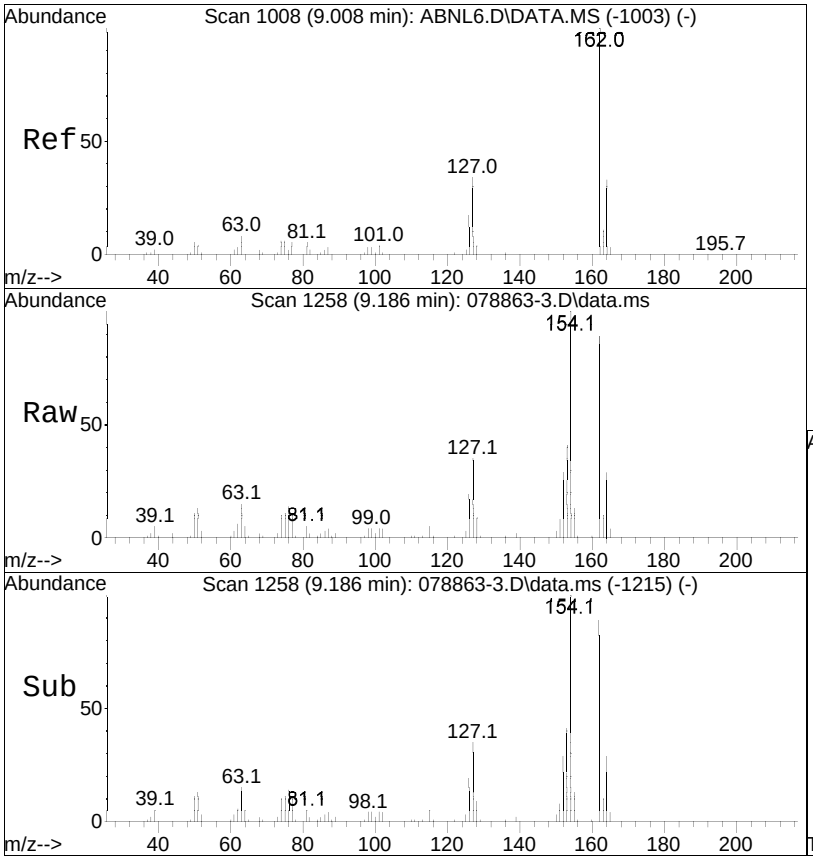


#45
2,4,5-Trichlorophenol
Concen: 1.55 ug/ml
RT: 9.034 min Scan# 1232
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:196 Resp: 20371

Ion	Ratio	Lower	Upper
196	100		
200	30.7	25.4	38.0
198	95.5	78.0	117.0

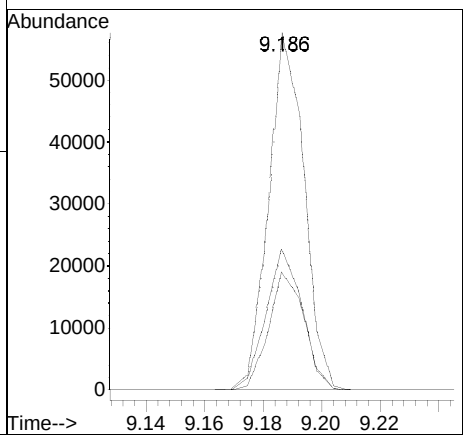


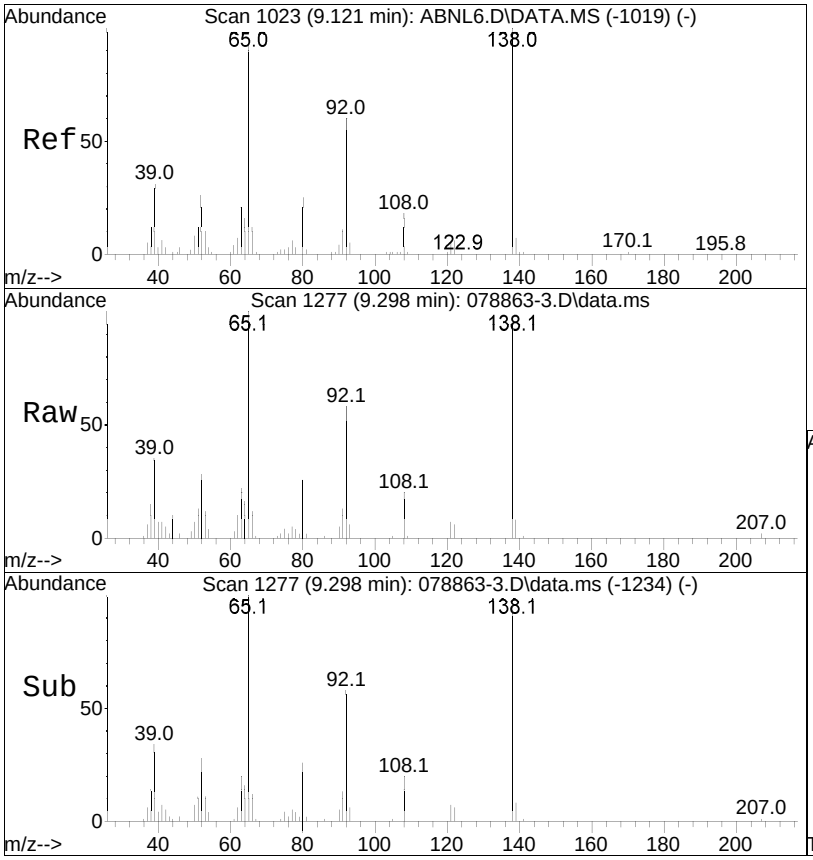


#47
2-Chloronaphthalene
Concen: 1.23 ug/ml
RT: 9.186 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:162 Resp: 48276

Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.2	48.4
164	33.6	25.7	38.5

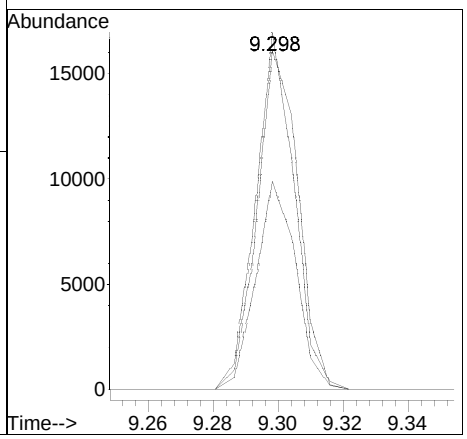


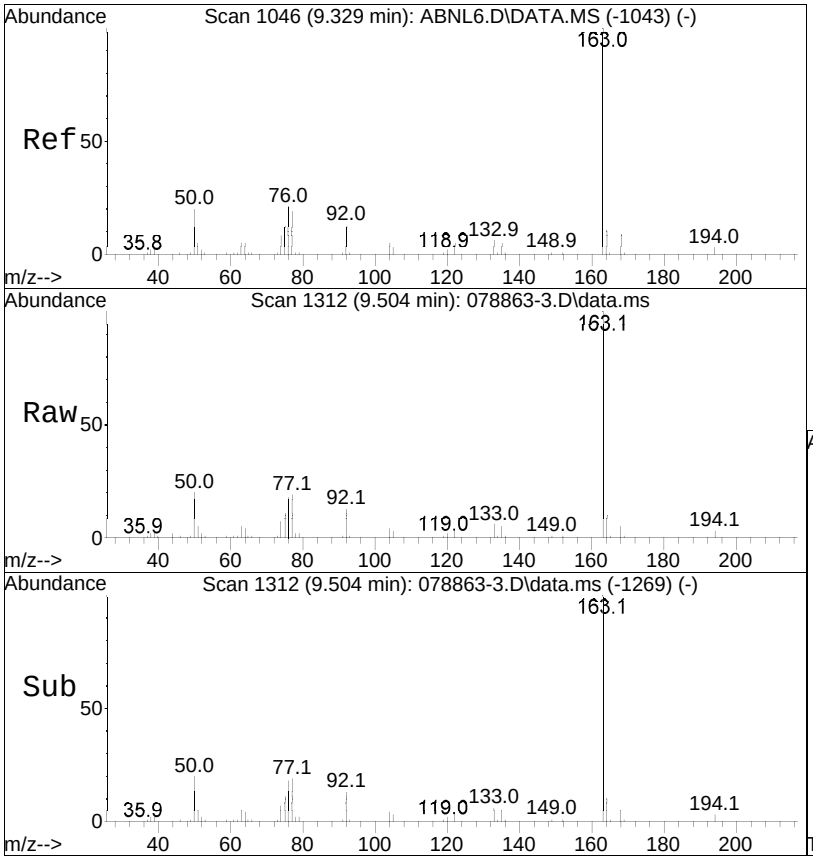


#48
2-Nitroaniline
Concen: 1.63 ug/ml
RT: 9.298 min Scan# 1277
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:138 Resp: 13990

Ion	Ratio	Lower	Upper
138	100		
92	60.2	53.5	80.3
65	98.7	86.3	129.5

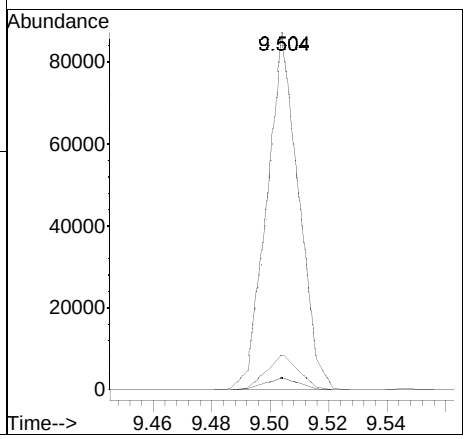


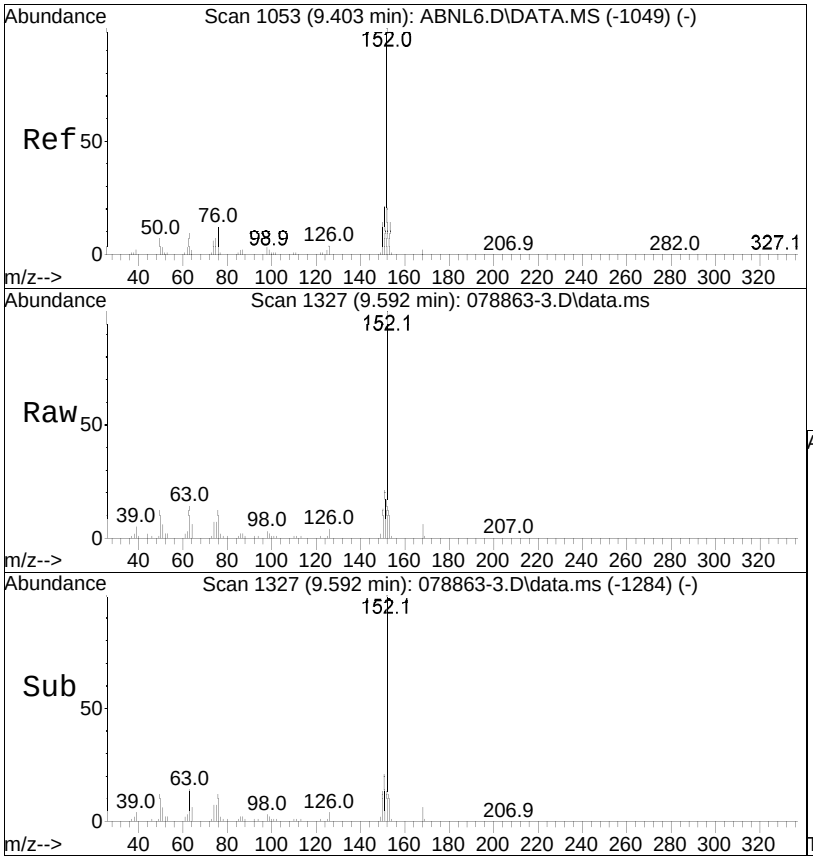


#51
Dimethyl phthalate
Concen: 1.39 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:163 Resp: 65283

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.5	5.3
164	10.1	7.9	11.9

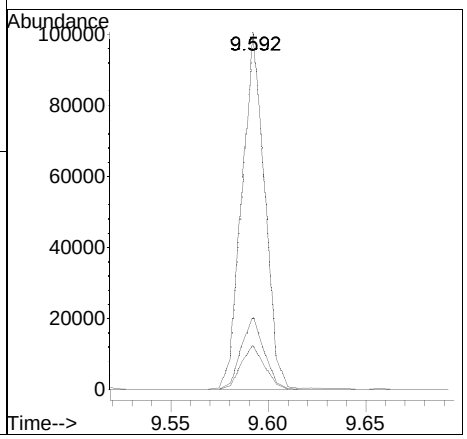


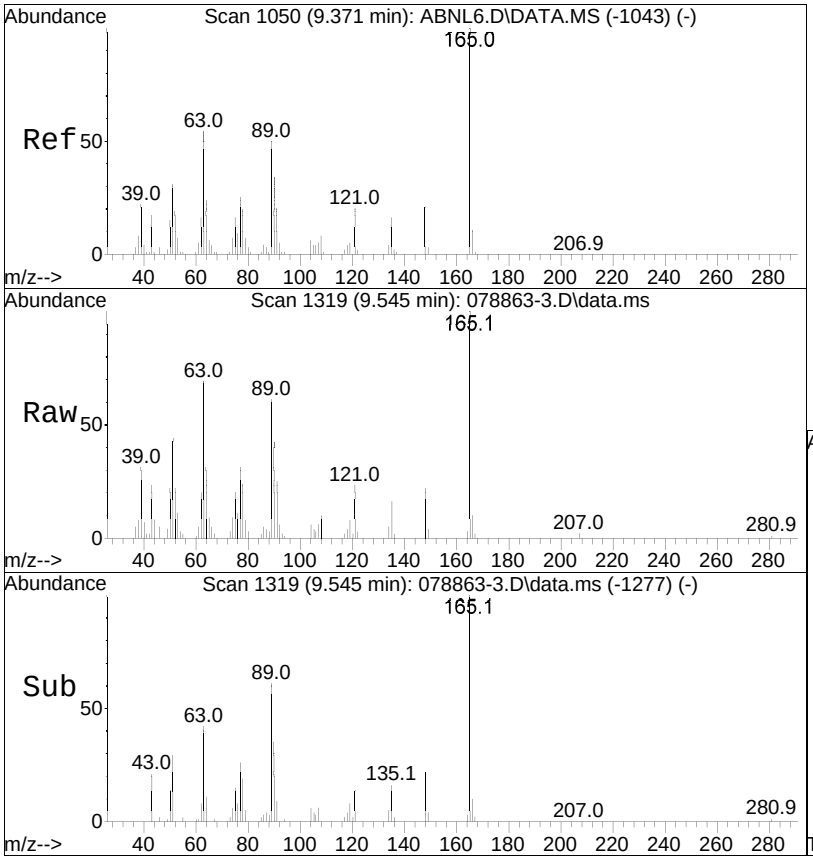


#52
Acenaphthylene
Concen: 1.31 ug/ml
RT: 9.592 min Scan# 1327
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:152 Resp: 81106

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.6
153	12.7	10.5	15.7

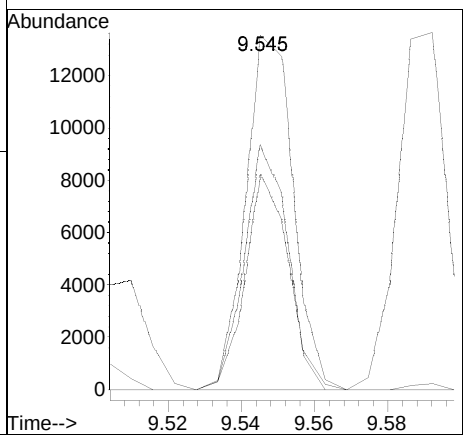


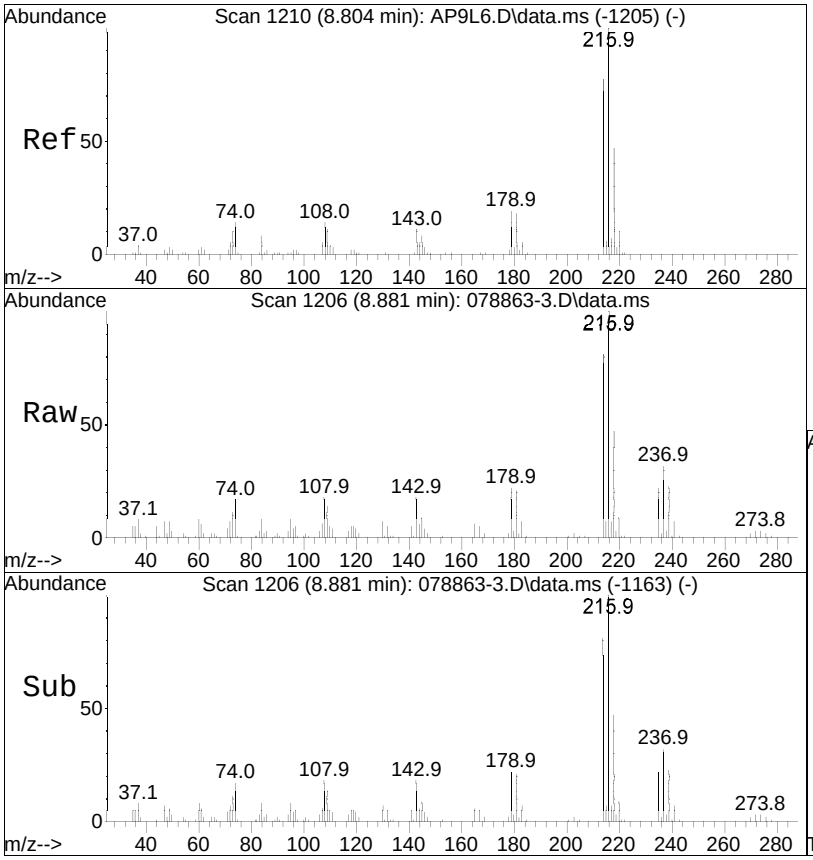


#53
2,6-Dinitrotoluene
Concen: 1.57 ug/ml
RT: 9.545 min Scan# 1319
Delta R.T. -0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:165 Resp: 12231

Ion	Ratio	Lower	Upper
165	100		
89	55.8	54.2	81.2
63	63.0	64.2	96.2#

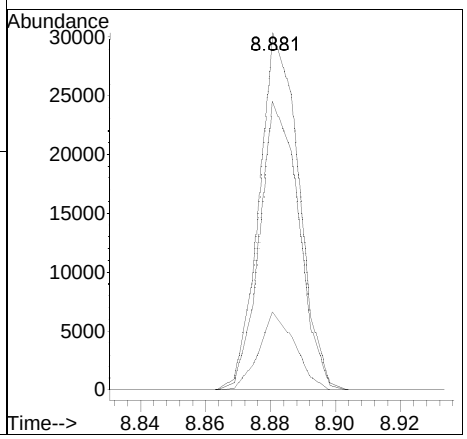


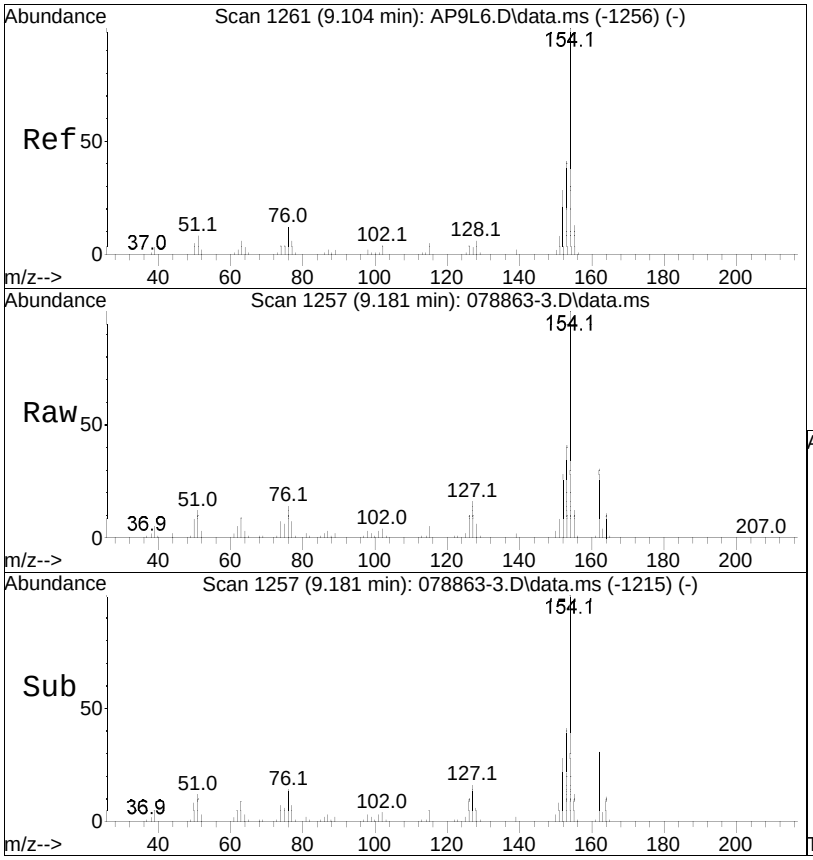


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.23 ug/ml
RT: 8.881 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:216 Resp: 25604

Ion	Ratio	Lower	Upper
216	100		
214	80.2	63.7	95.5
179	19.9	19.0	28.6

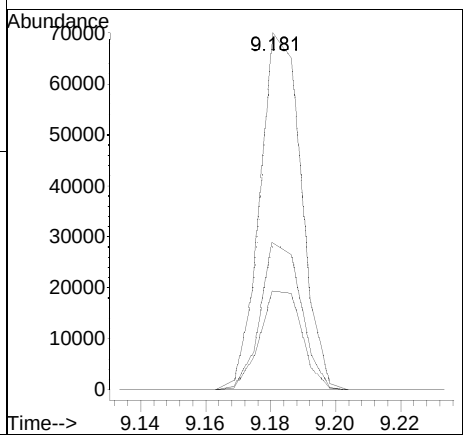


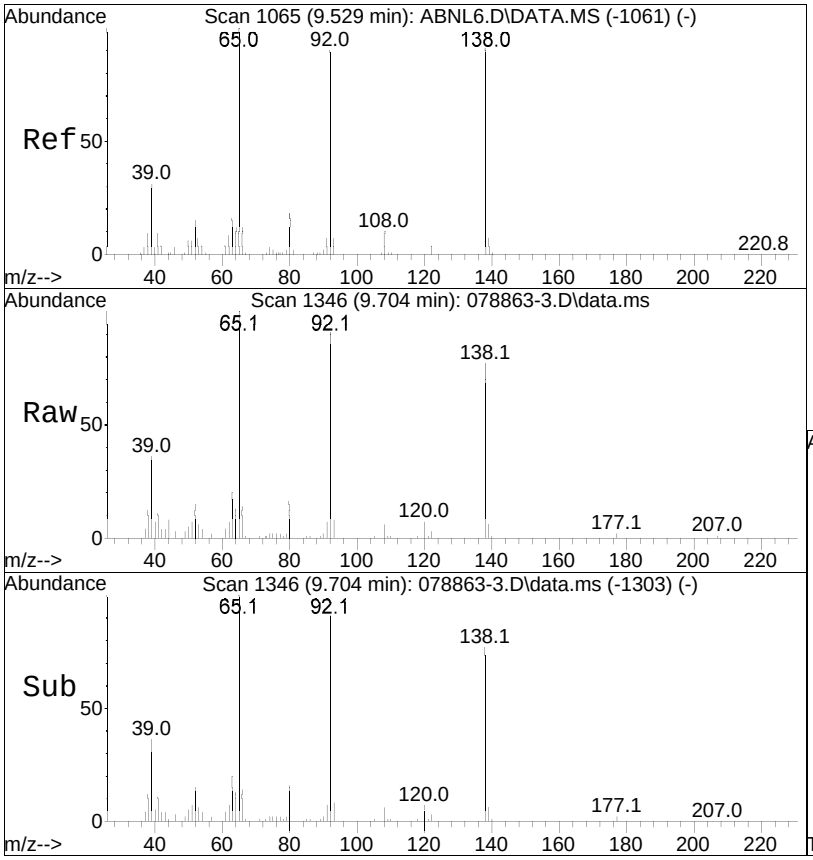


#62
Biphenyl
Concen: 1.35 ug/ml
RT: 9.181 min Scan# 1257
Delta R.T. -0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:154 Resp: 61595

Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.3	48.5
152	28.4	22.5	33.7

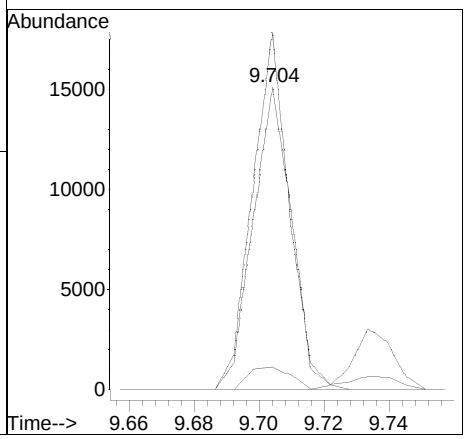


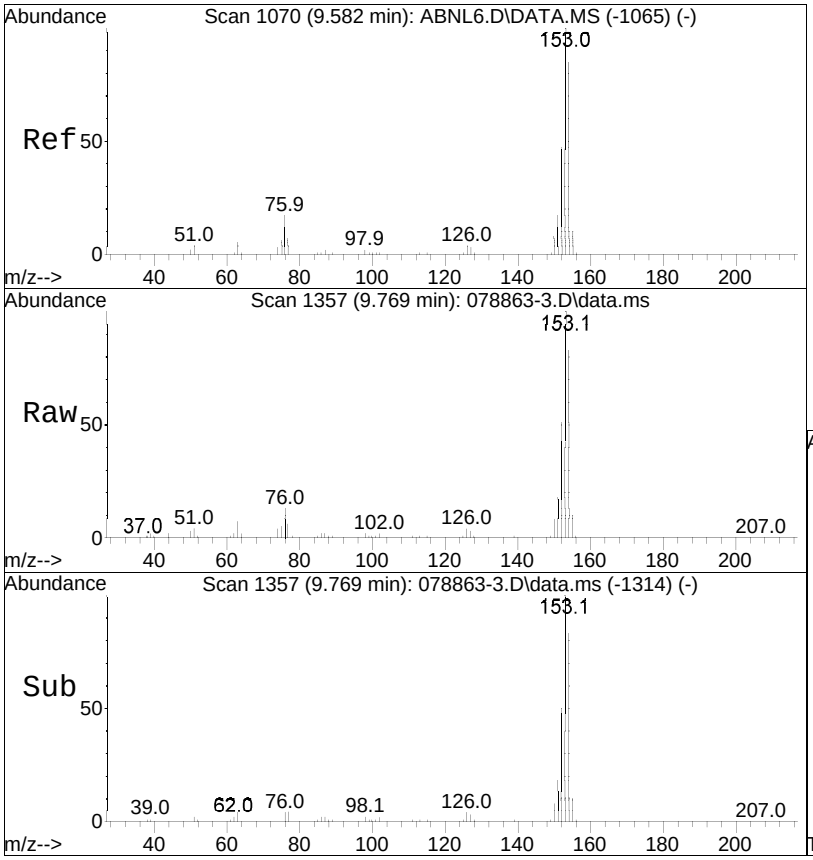


#64
3-Nitroaniline
Concen: 1.48 ug/ml
RT: 9.704 min Scan# 1346
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:138 Resp: 12315

Ion	Ratio	Lower	Upper
138	100		
92	113.6	93.4	140.2
108	8.2	9.5	14.3#

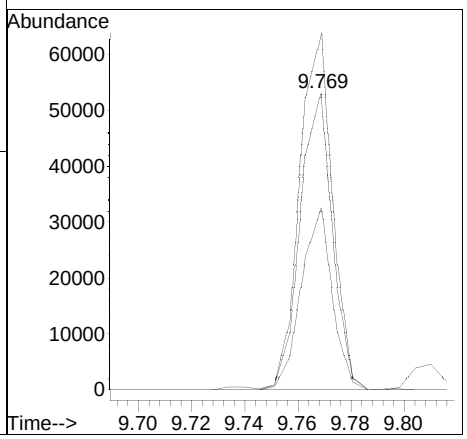


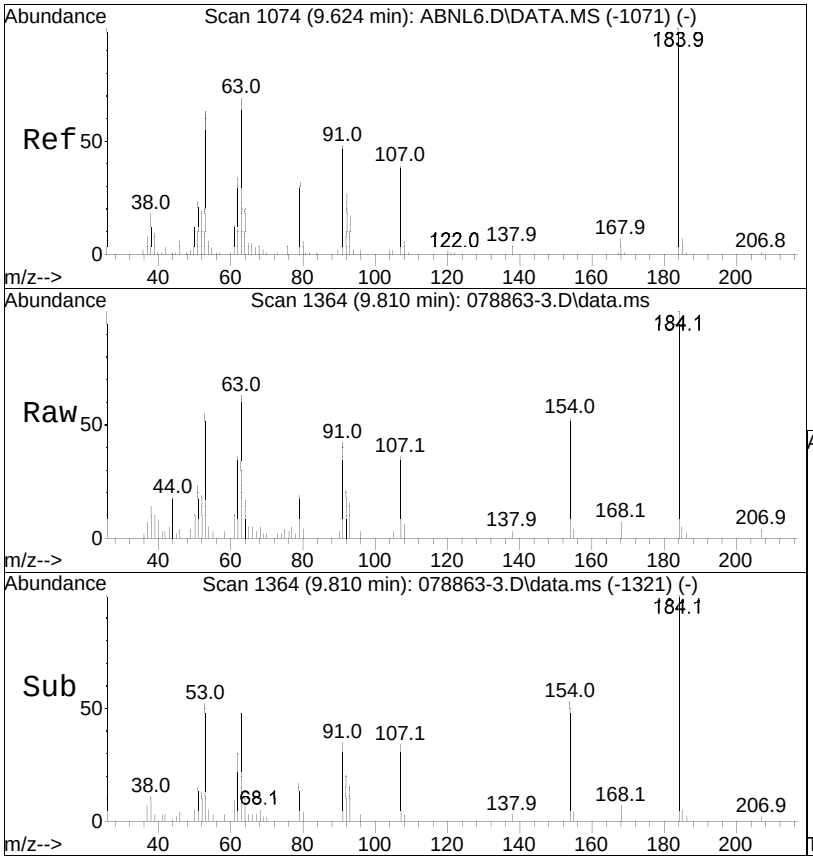


#65
Acenaphthene
Concen: 1.25 ug/ml
RT: 9.769 min Scan# 1357
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:154 Resp: 45180

Ion	Ratio	Lower	Upper
154	100		
153	121.0	85.3	127.9
152	59.1	41.4	62.0

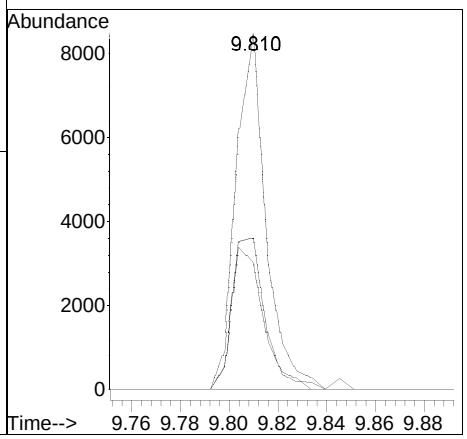


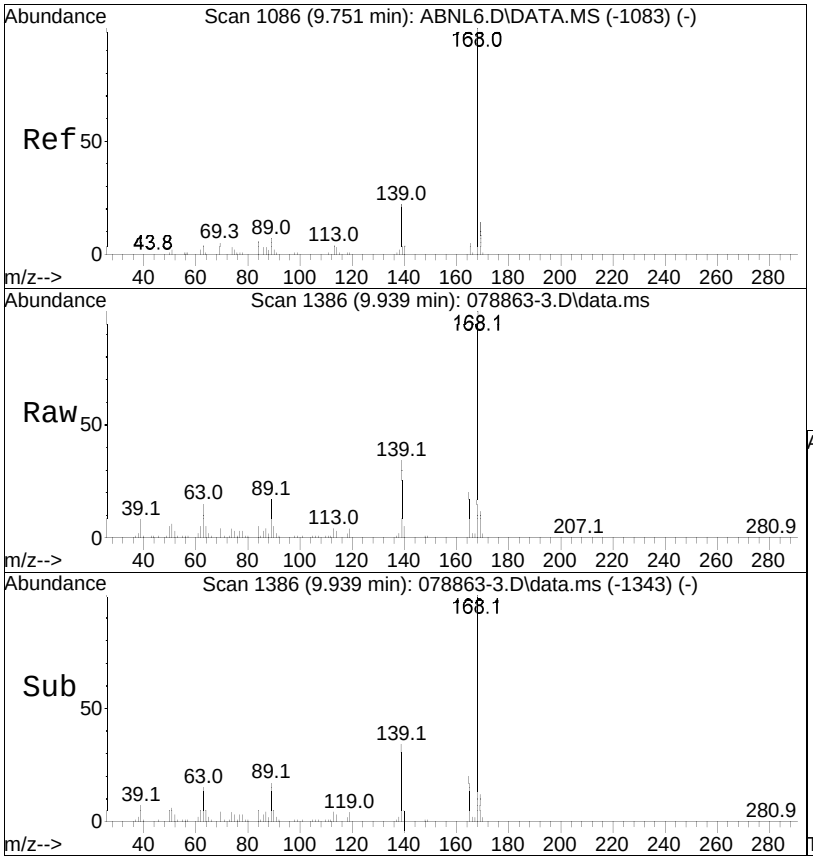


#66
2,4-Dinitrophenol
Concen: 1.80 ug/ml
RT: 9.810 min Scan# 1364
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:184 Resp: 7306

Ion	Ratio	Lower	Upper
184	100		
107	42.4	37.7	56.5
91	46.9	46.3	69.5

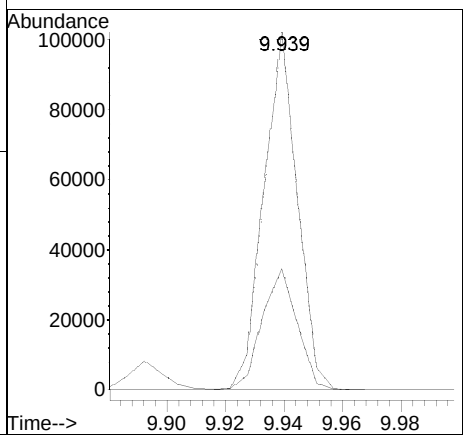


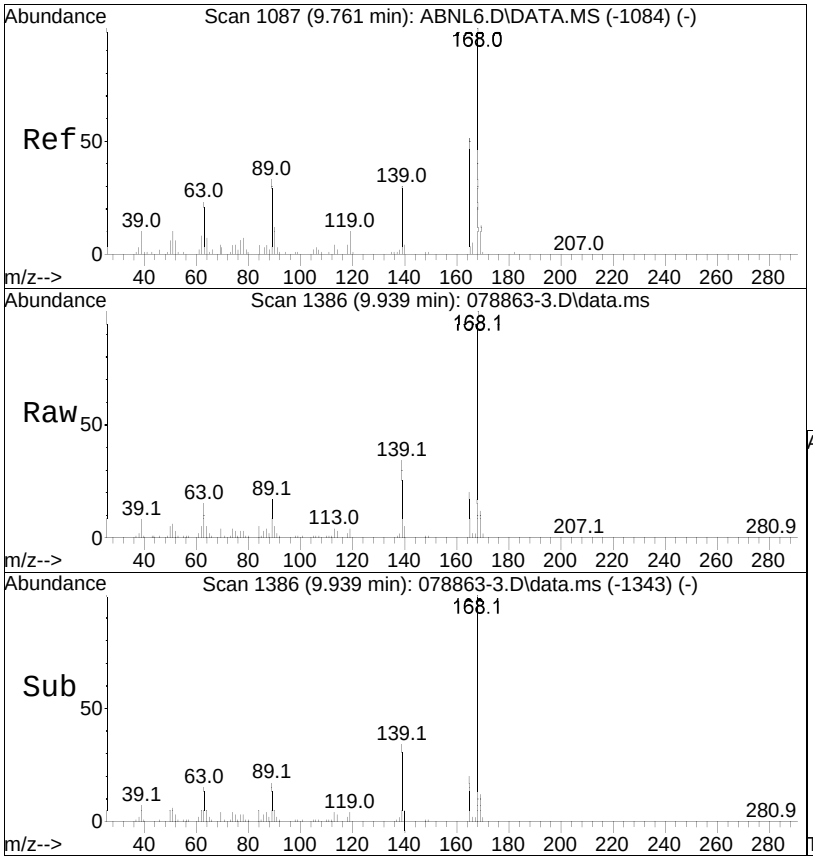


#67
Dibenzofuran
Concen: 1.28 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:168 Resp: 80564

Ion	Ratio	Lower	Upper
168	100		
139	35.8	31.4	47.2

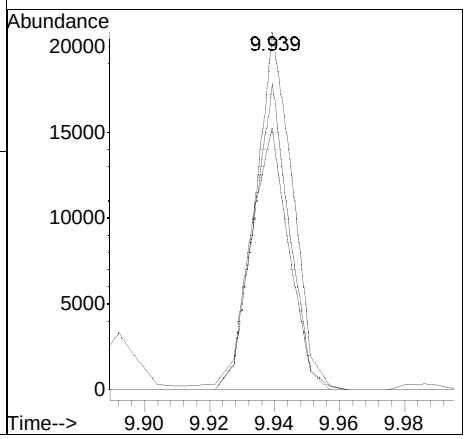


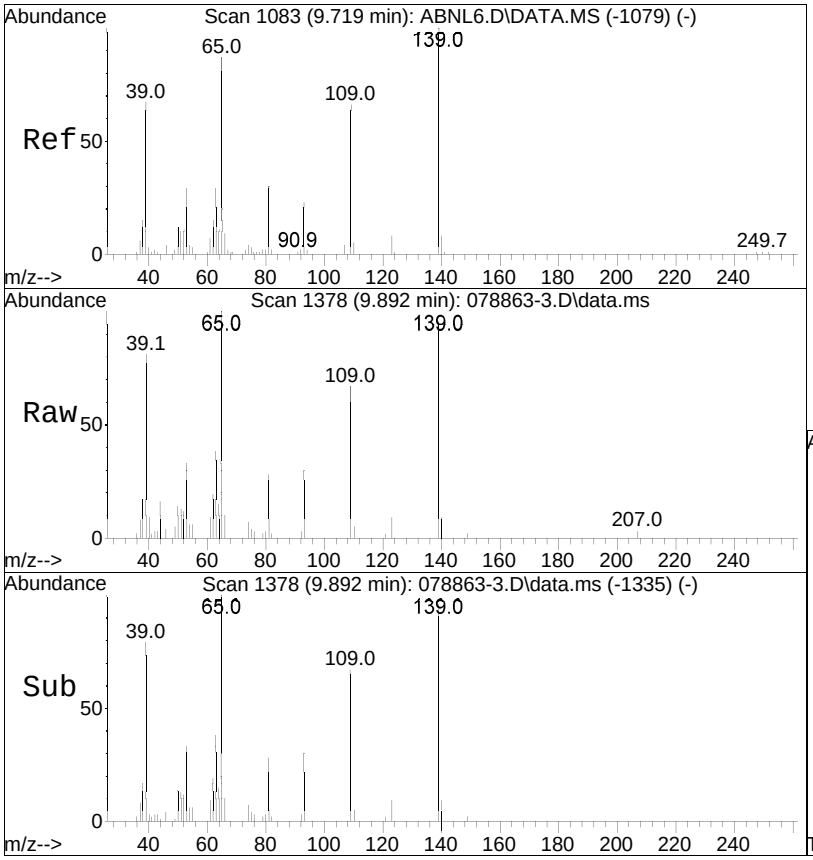


#68
2,4-Dinitrotoluene
Concen: 1.52 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:165 Resp: 16404

Ion	Ratio	Lower	Upper
165	100		
89	82.2	72.0	108.0
63	76.8	52.7	79.1

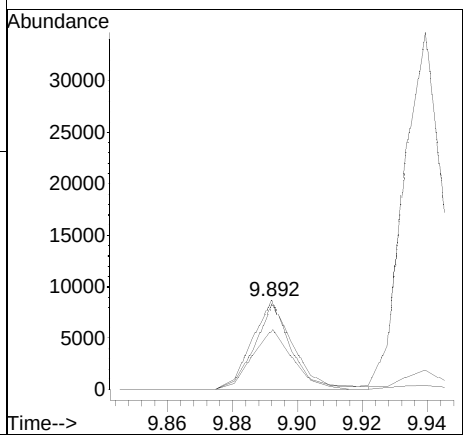


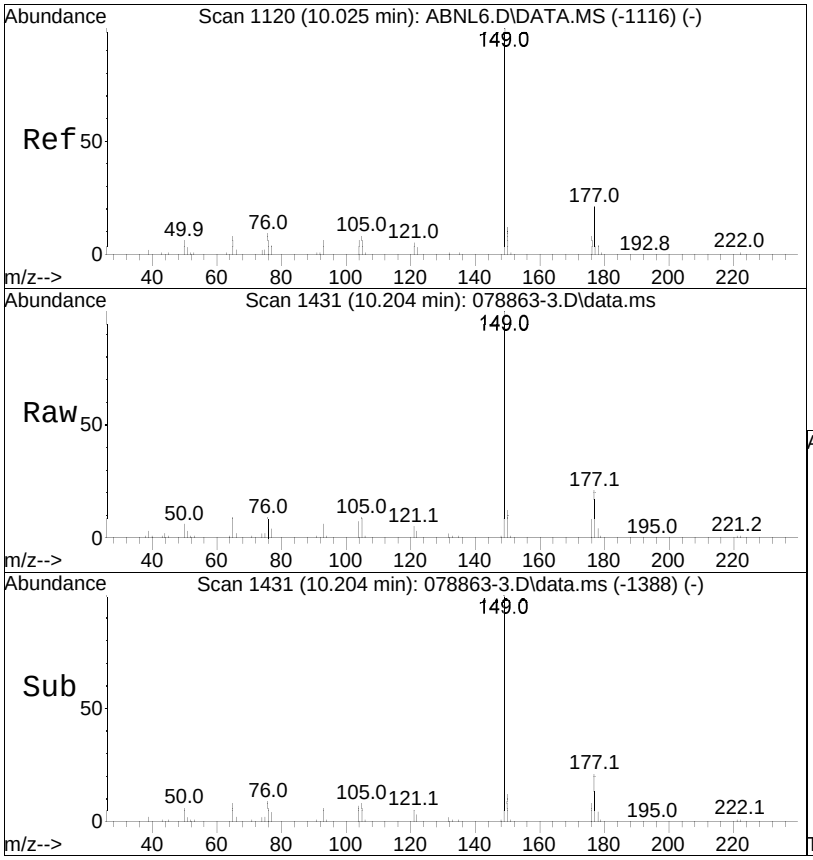


#69
4-Nitrophenol
Concen: 1.14 ug/ml
RT: 9.892 min Scan# 1378
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion: 65 Resp: 7236

Ion	Ratio	Lower	Upper
65	100		
109	69.3	47.4	71.2
139	95.9	76.6	115.0

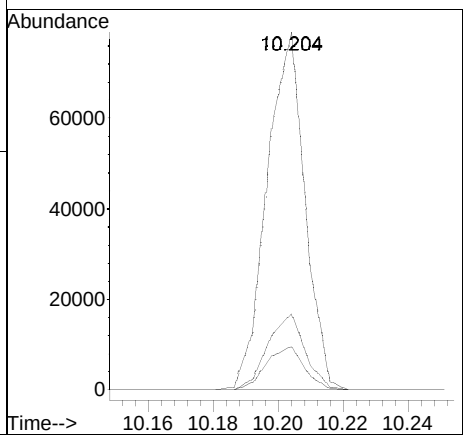


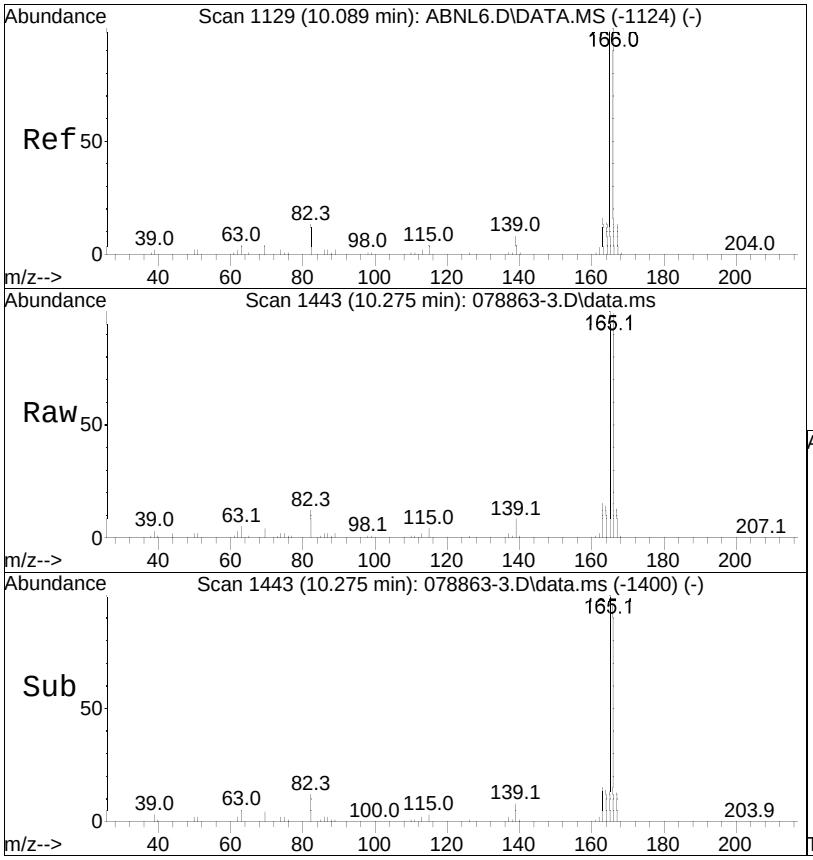


#72
Diethyl phthalate
Concen: 1.42 ug/ml
RT: 10.204 min Scan# 1431
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:149 Resp: 63352

Ion	Ratio	Lower	Upper
149	100		
177	21.1	16.1	24.1
150	12.4	9.4	14.2

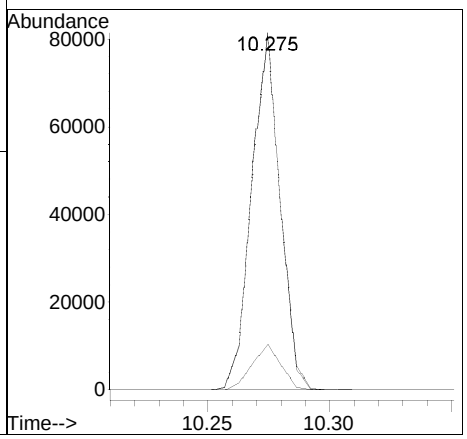


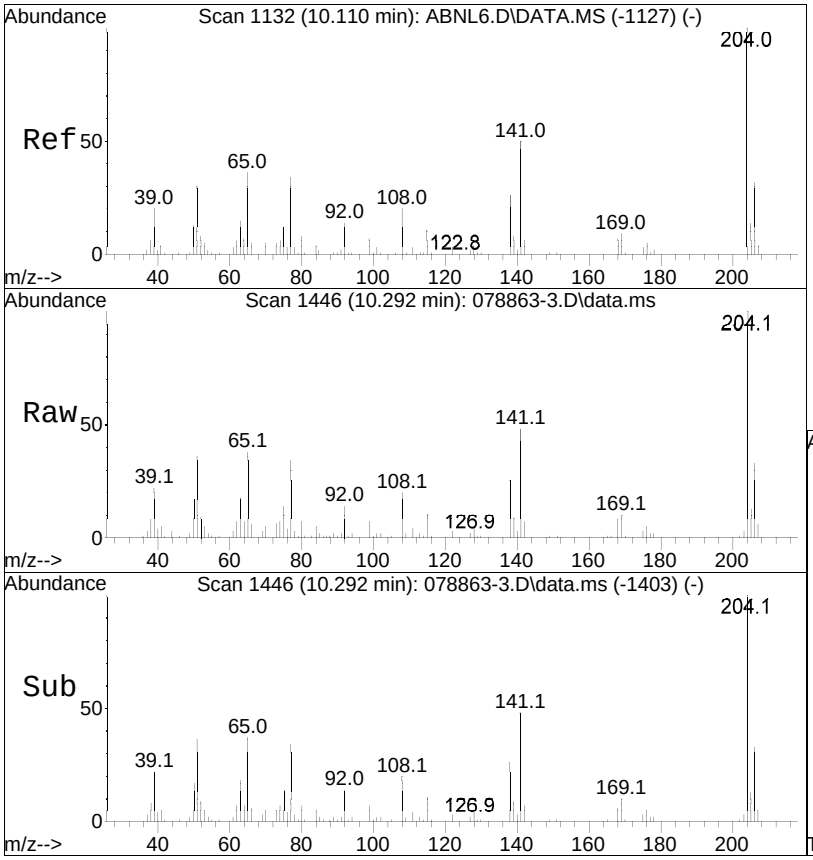


#73
Fluorene
Concen: 1.42 ug/ml
RT: 10.275 min Scan# 1443
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:166 Resp: 65811

Ion	Ratio	Lower	Upper
166	100		
165	99.9	76.2	114.2
167	13.2	10.6	15.8

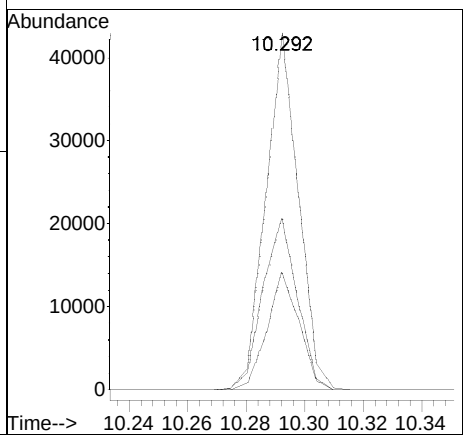


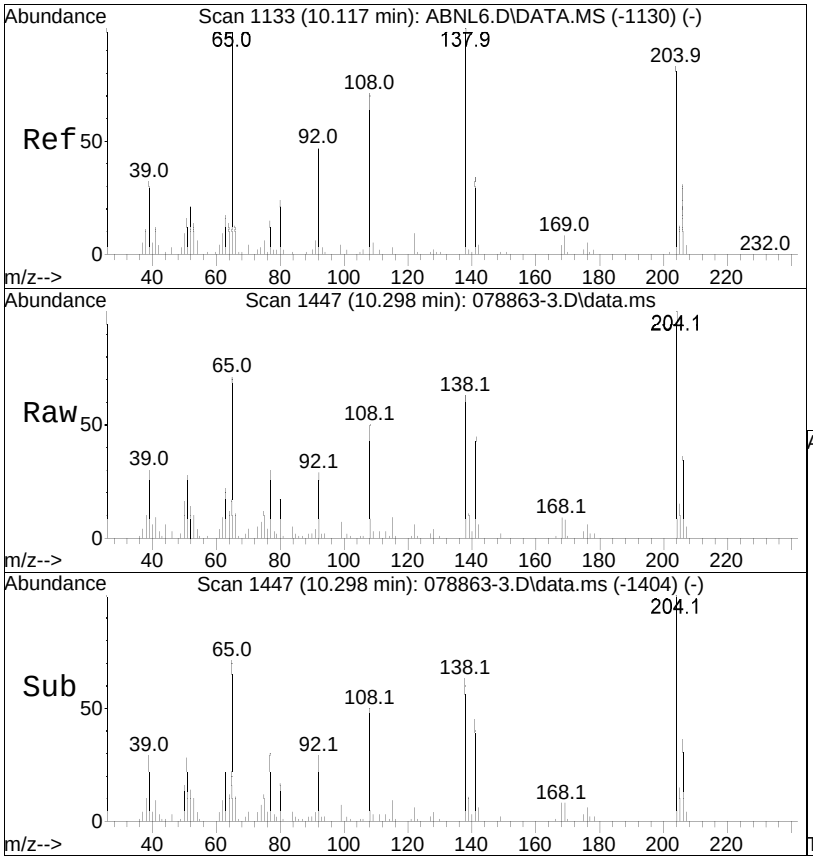


#74
4-Chlorophenyl phenyl ether
Concen: 1.35 ug/ml
RT: 10.292 min Scan# 1446
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:204 Resp: 32785

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	51.0	53.6	80.4#

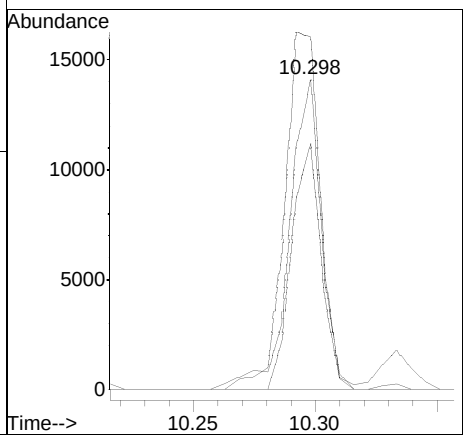


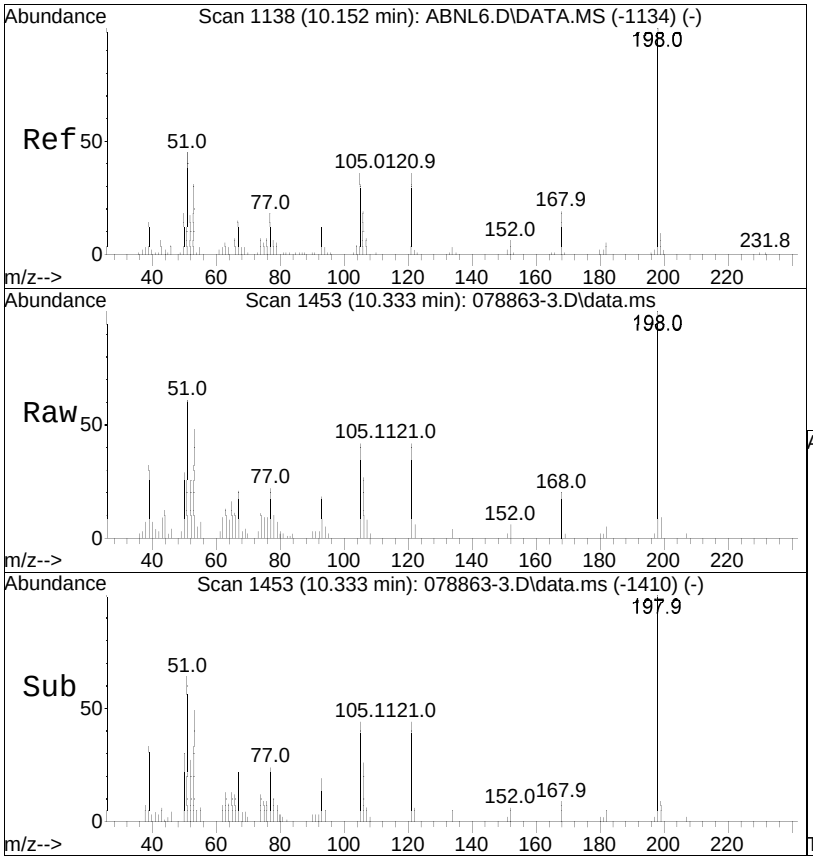


#75
4-Nitroaniline
Concen: 1.58 ug/ml
RT: 10.298 min Scan# 1447
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:138 Resp: 12797

Ion	Ratio	Lower	Upper
138	100		
108	73.5	52.1	78.1
65	128.4	115.0	172.6

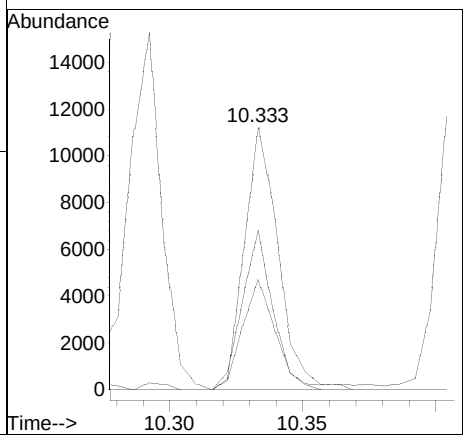


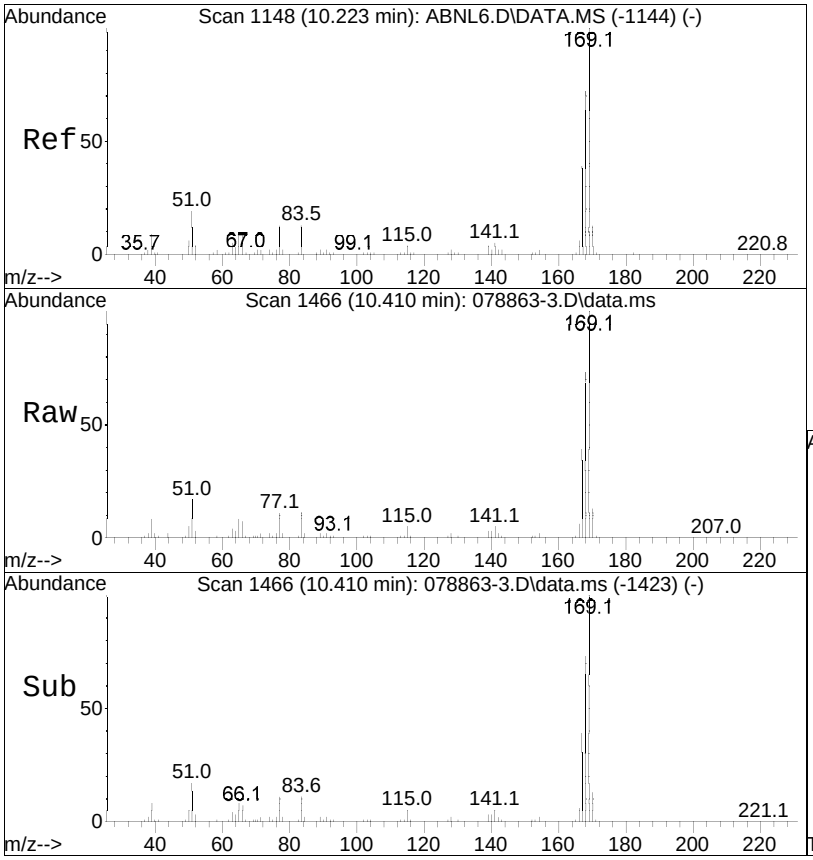


#76
4,6-Dinitro-o-cresol
Concen: 1.74 ug/ml
RT: 10.333 min Scan# 1453
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:198 Resp: 9957

Ion	Ratio	Lower	Upper
198	100		
51	58.6	76.0	114.0#
105	40.6	45.6	68.4#

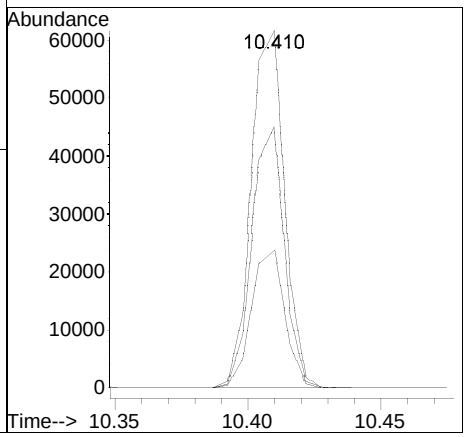


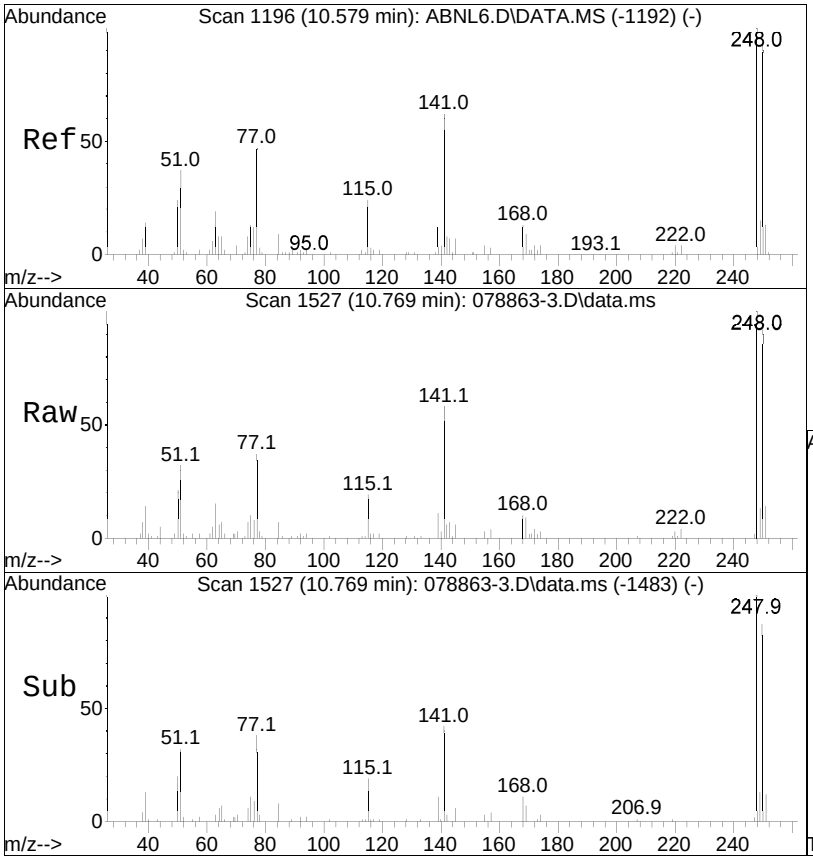


#77
NDPA/DPA
Concen: 1.39 ug/ml
RT: 10.410 min Scan# 1466
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:169 Resp: 53778

Ion	Ratio	Lower	Upper
169	100		
168	70.9	54.0	81.0
167	38.8	28.6	42.8

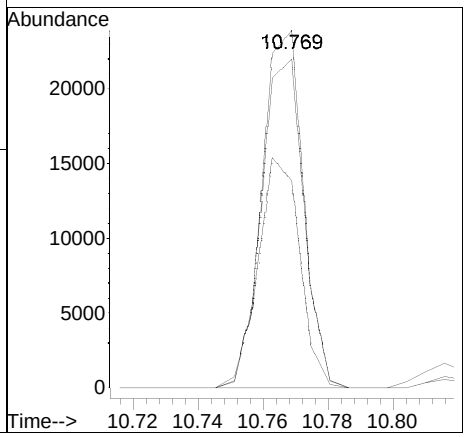


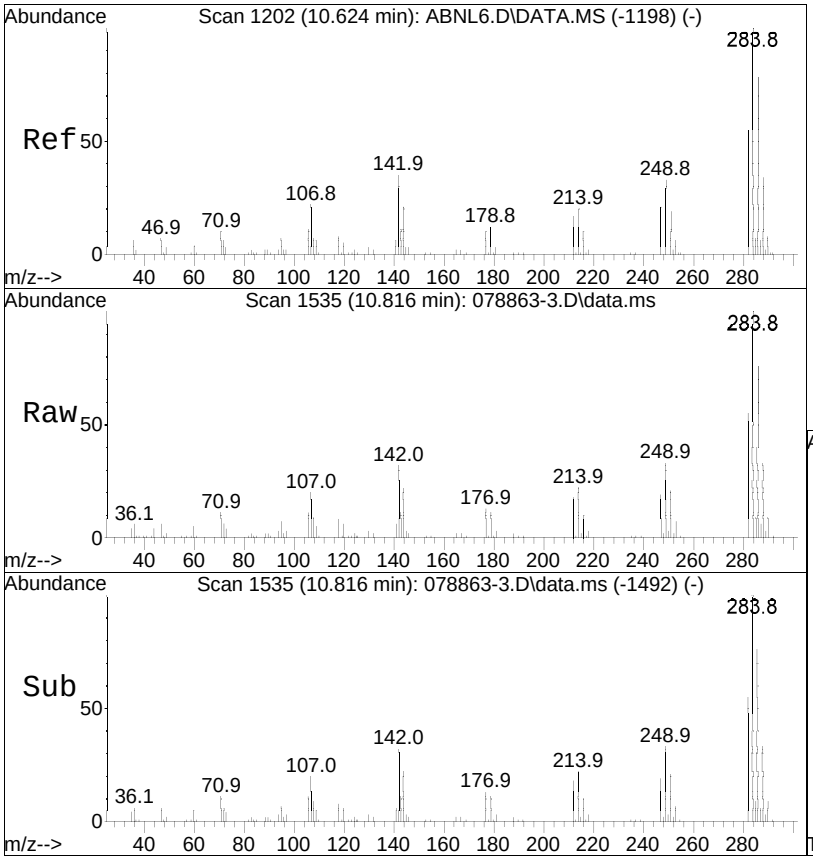


#80
4-Bromophenyl phenyl ether
Concen: 1.38 ug/ml
RT: 10.769 min Scan# 1527
Delta R.T. 0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:248 Resp: 20986

Ion	Ratio	Lower	Upper
248	100		
141	64.8	76.6	114.8#
250	94.1	77.3	115.9

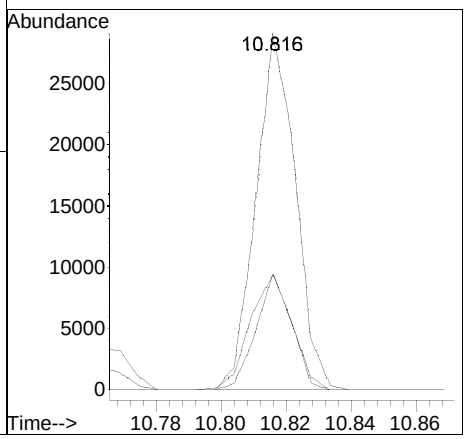


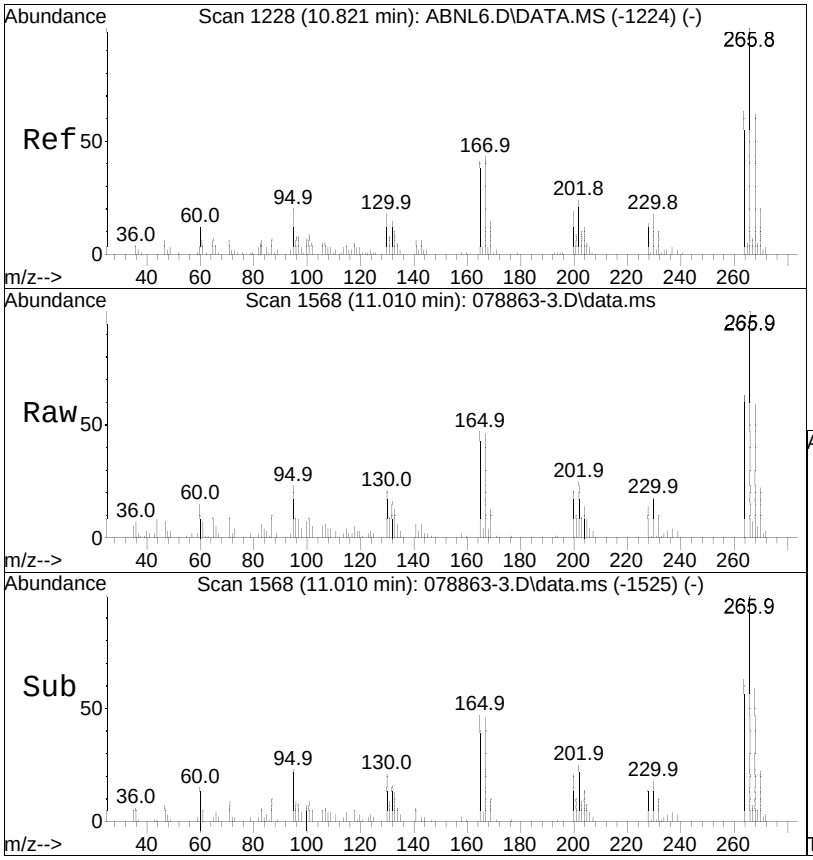


#81
Hexachlorobenzene
Concen: 1.37 ug/ml
RT: 10.816 min Scan# 1535
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:284 Resp: 24479

Ion	Ratio	Lower	Upper
284	100		
142	33.9	41.9	62.9#
249	29.9	24.1	36.1

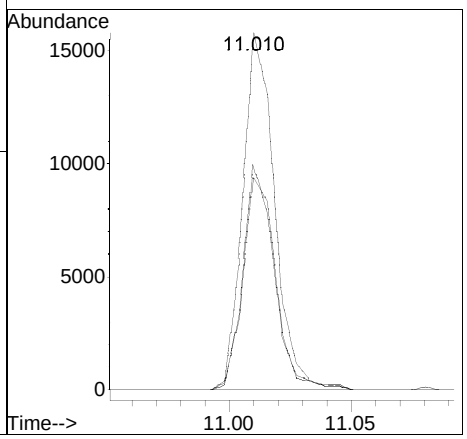


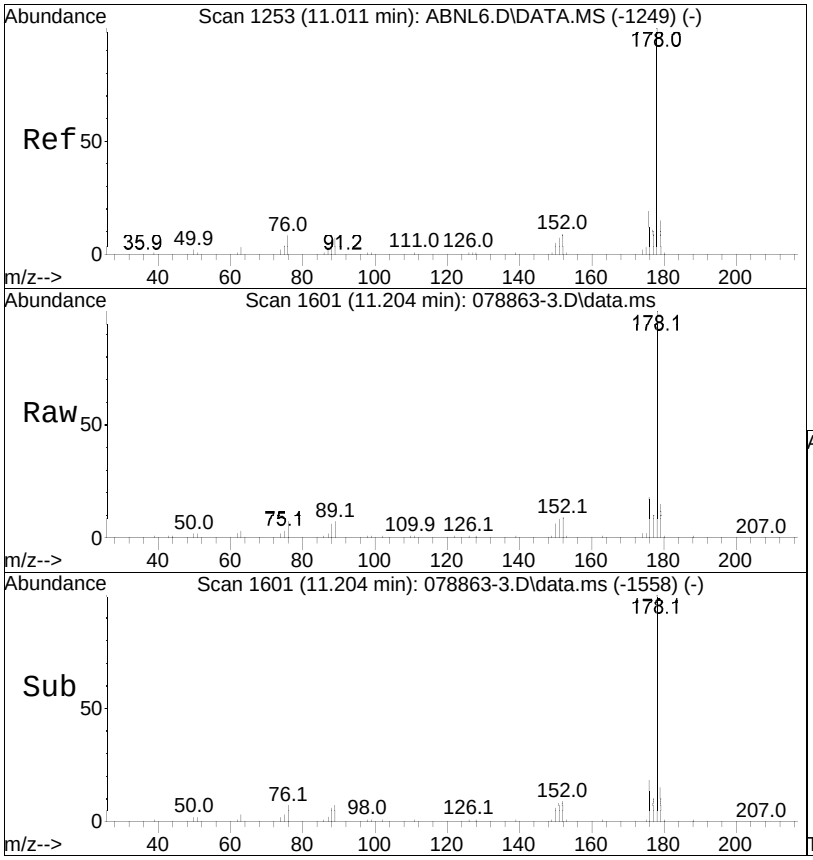


#82
Pentachlorophenol
Concen: 1.54 ug/ml
RT: 11.010 min Scan# 1568
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:266 Resp: 14300

Ion	Ratio	Lower	Upper
266	100		
264	62.0	49.7	74.5
268	61.7	50.5	75.7

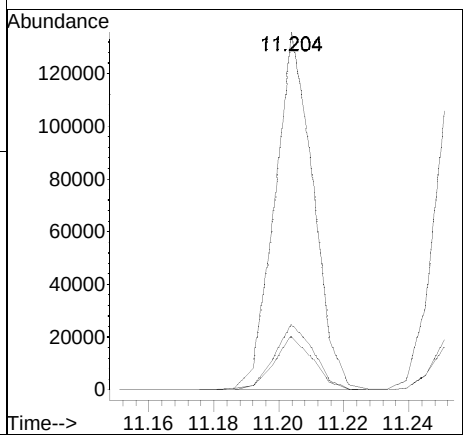


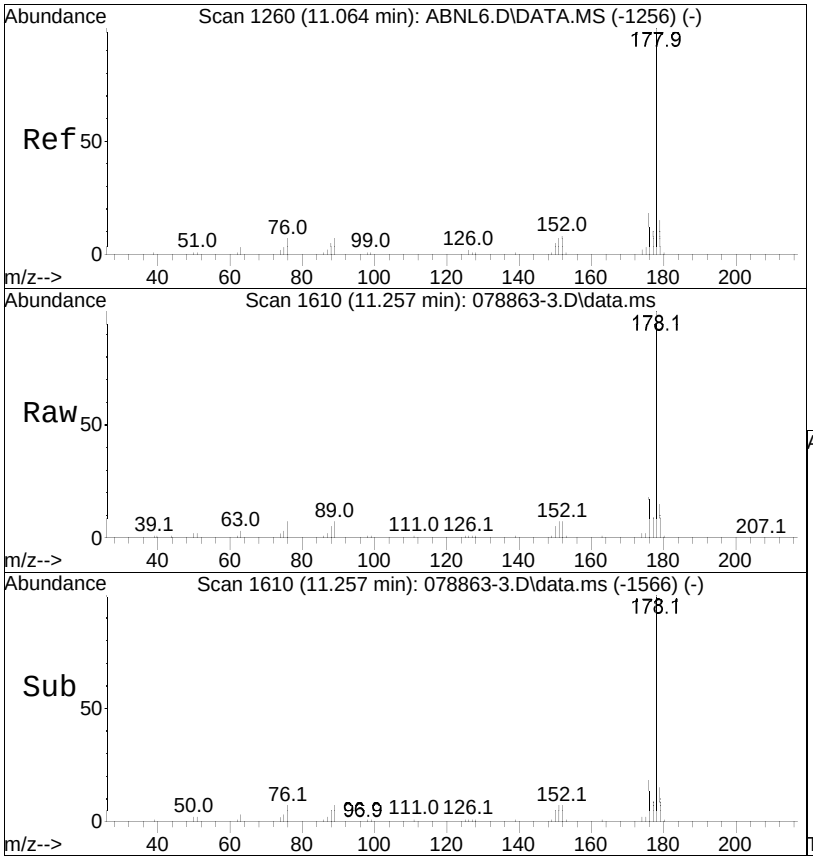


#89
Phenanthrene
Concen: 1.42 ug/ml
RT: 11.204 min Scan# 1601
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:178 Resp: 111171

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	18.5	15.4	23.2

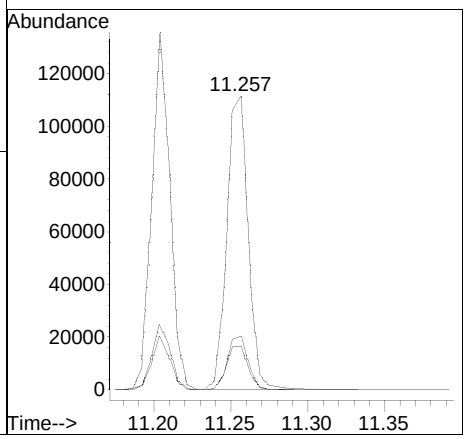


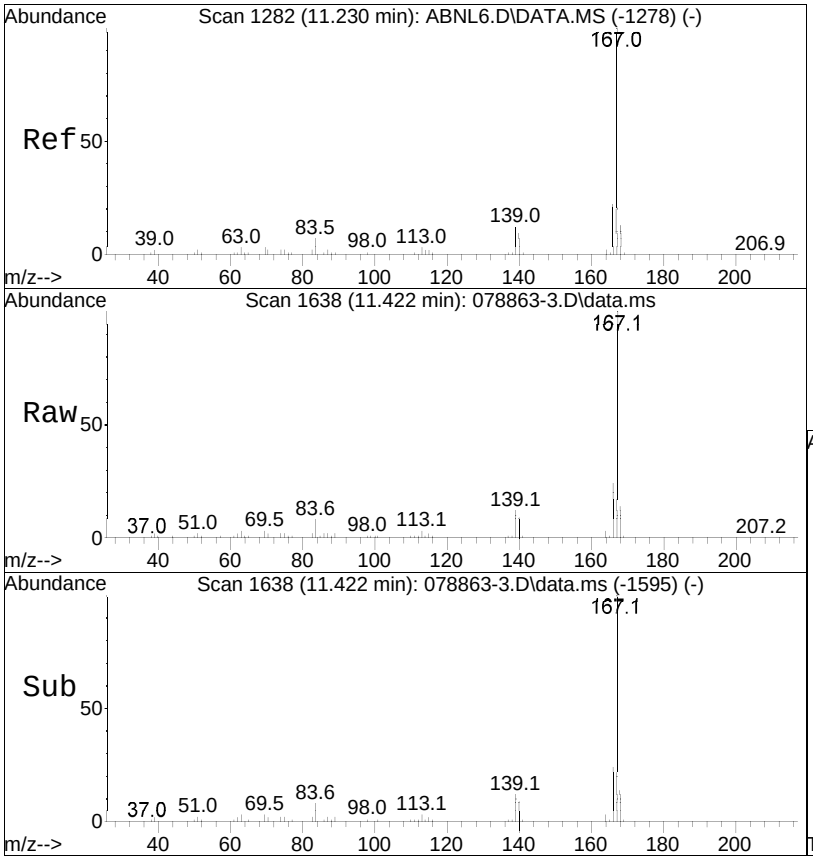


#90
Anthracene
Concen: 1.41 ug/ml
RT: 11.257 min Scan# 1610
Delta R.T. 0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:178 Resp: 107428

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.0	18.0
176	17.7	14.6	22.0

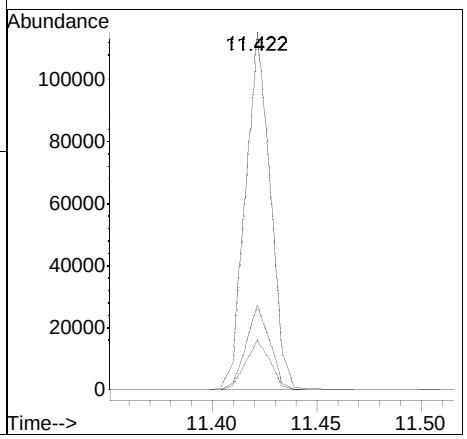


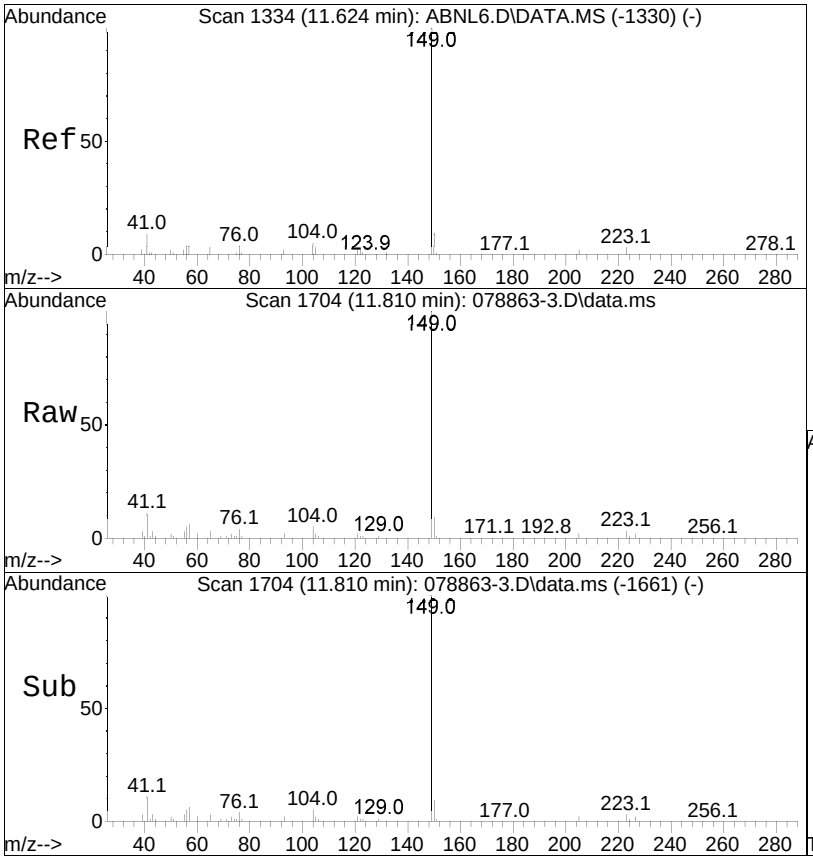


#91
Carbazole
Concen: 1.39 ug/ml
RT: 11.422 min Scan# 1638
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:167 Resp: 94472

Ion	Ratio	Lower	Upper
167	100		
168	13.8	10.6	15.8
166	22.9	17.4	26.0

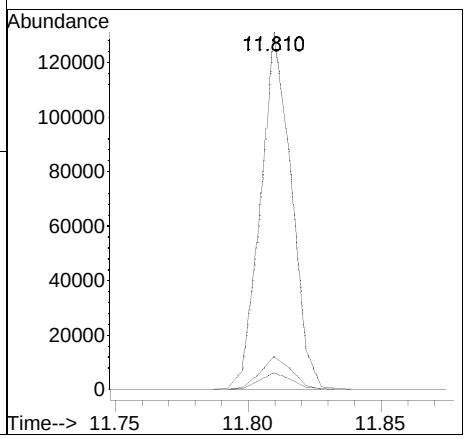


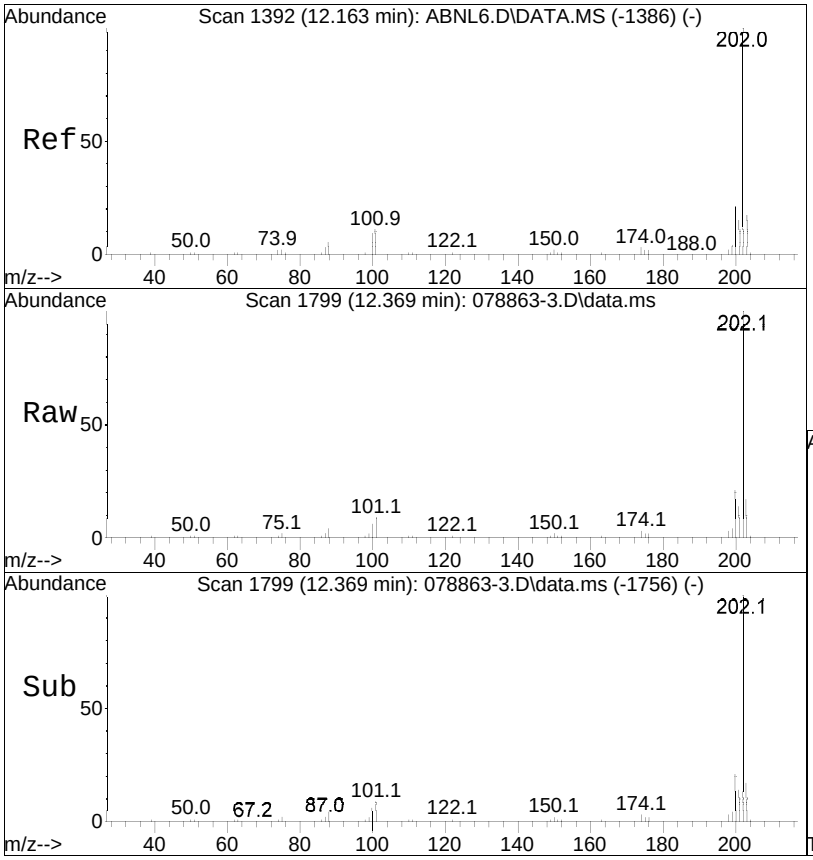


#92
Di-n-butylphthalate
Concen: 1.35 ug/ml
RT: 11.810 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:149 Resp: 103995

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.0	10.6
104	4.8	4.5	6.7

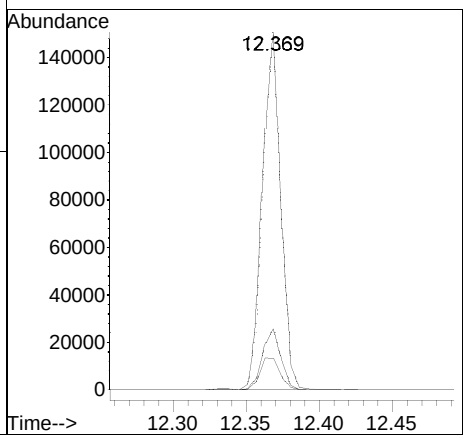


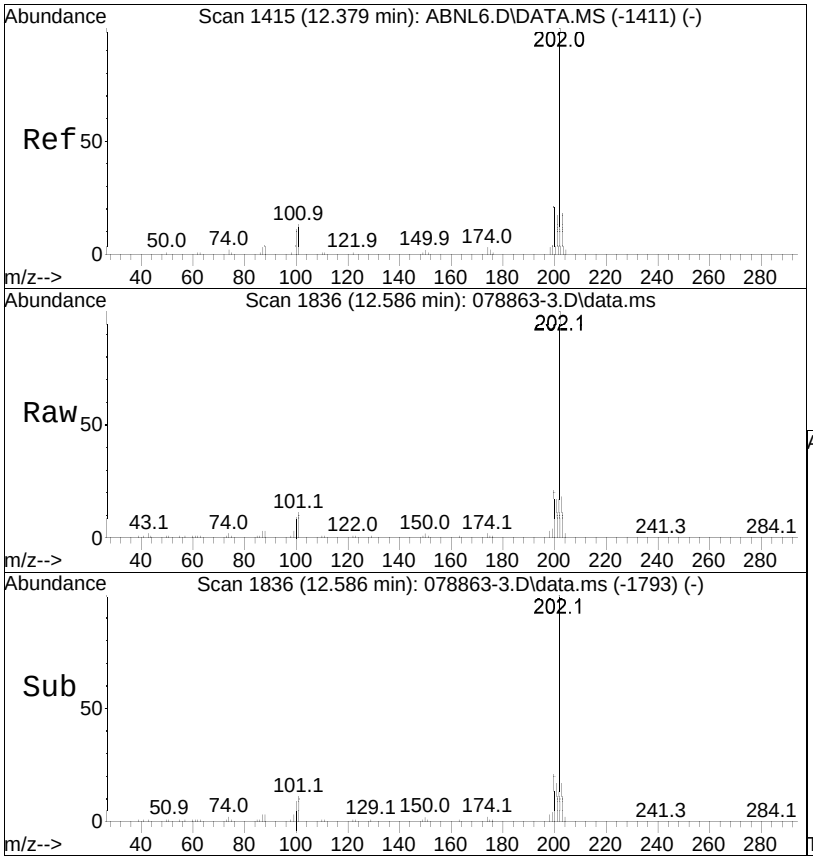


#93
Fluoranthene
Concen: 1.44 ug/ml
RT: 12.369 min Scan# 1799
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:202 Resp: 129224

Ion	Ratio	Lower	Upper
202	100		
101	10.0	13.5	20.3#
203	17.3	13.6	20.4

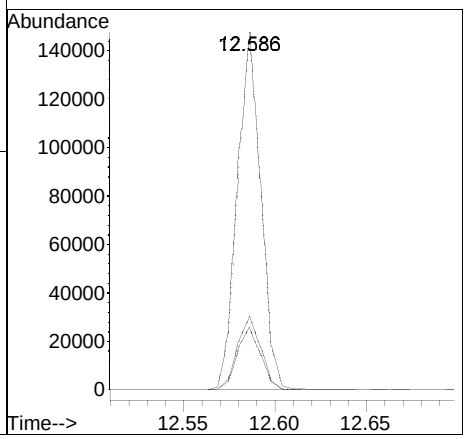


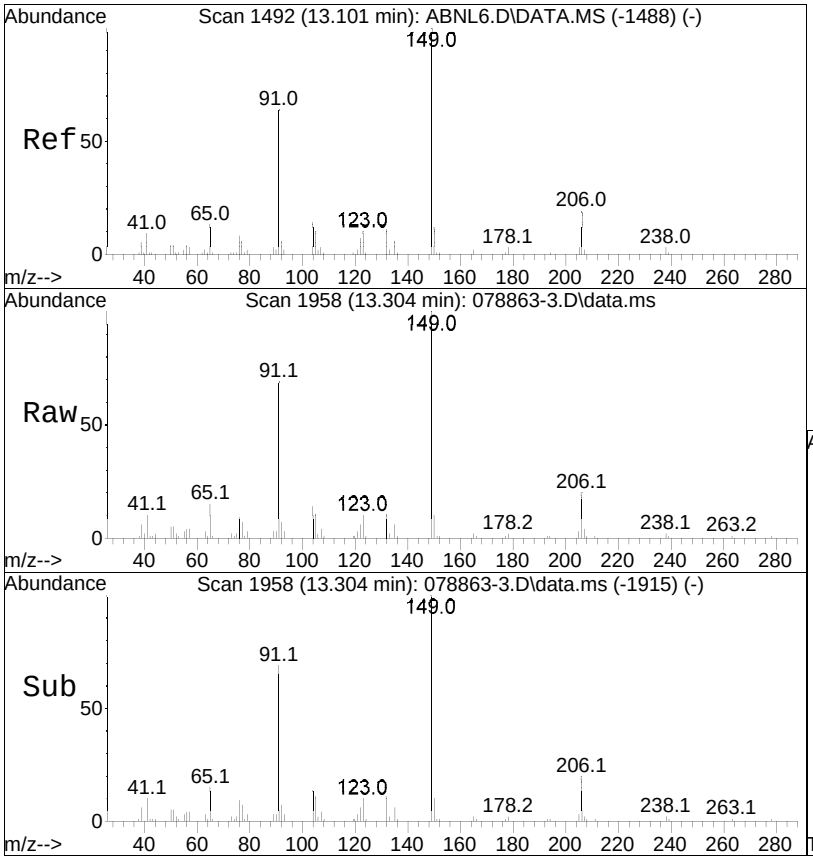


#95
Pyrene
Concen: 1.40 ug/ml
RT: 12.586 min Scan# 1836
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:202 Resp: 130845

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.7	25.1
203	17.7	14.2	21.4

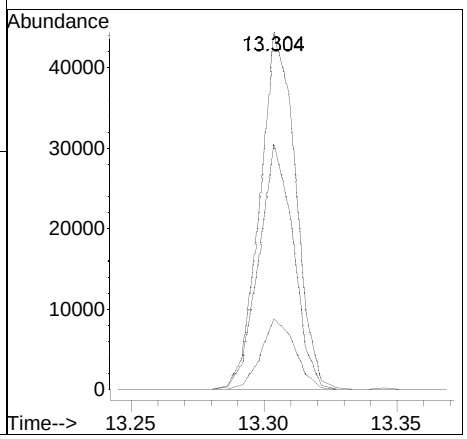


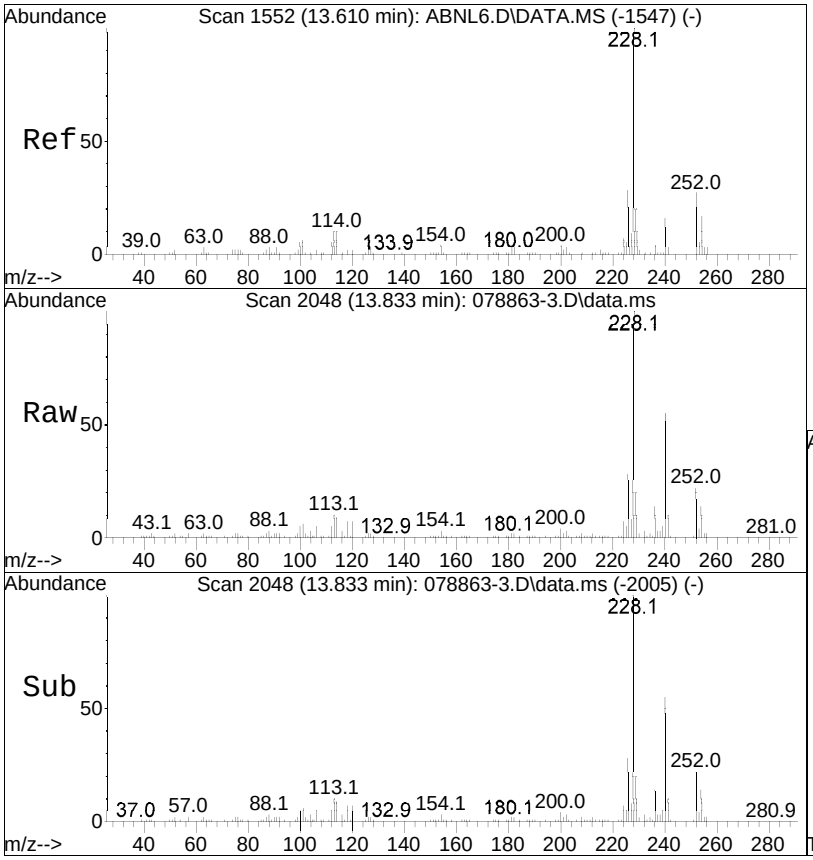


#97
Butyl benzyl phthalate
Concen: 1.46 ug/ml
RT: 13.304 min Scan# 1958
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:149 Resp: 41150

Ion	Ratio	Lower	Upper
149	100		
91	66.7	63.3	94.9
206	18.9	13.9	20.9

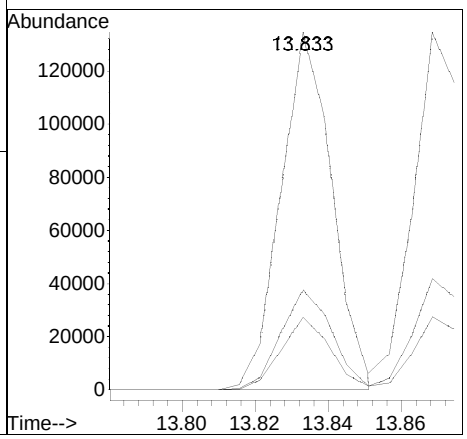


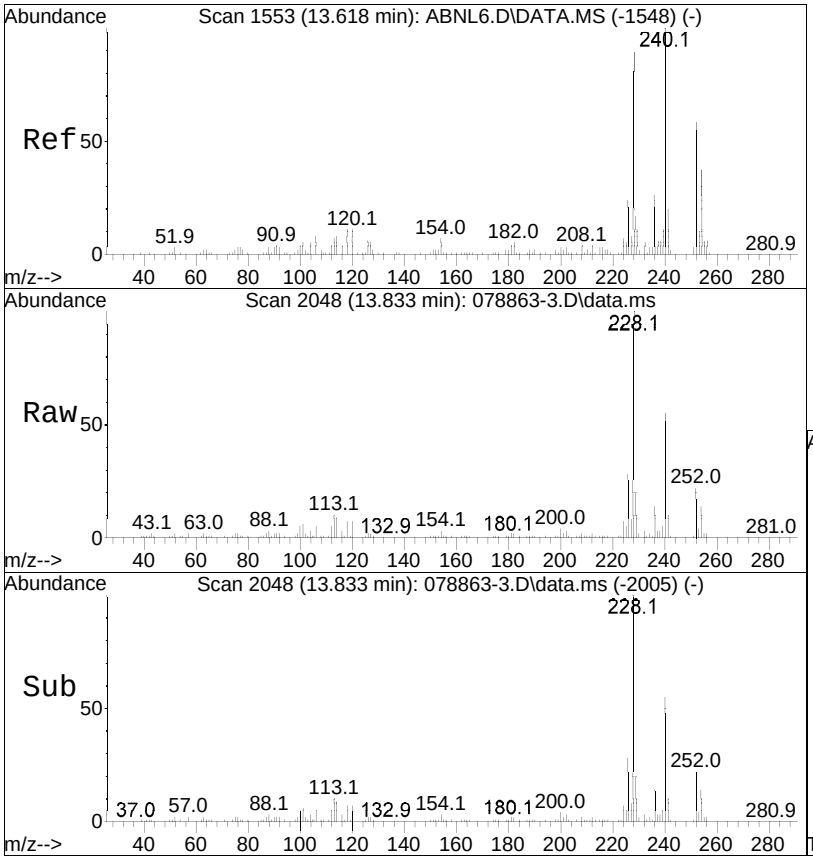


#105
Benzo(a)anthracene
Concen: 1.39 ug/ml
RT: 13.833 min Scan# 2048
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:228 Resp: 130809

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.2	33.4
229	19.7	15.6	23.4

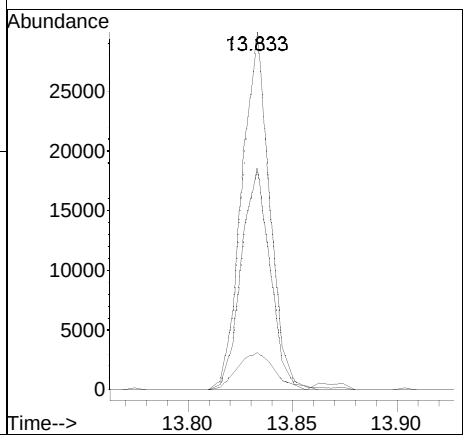


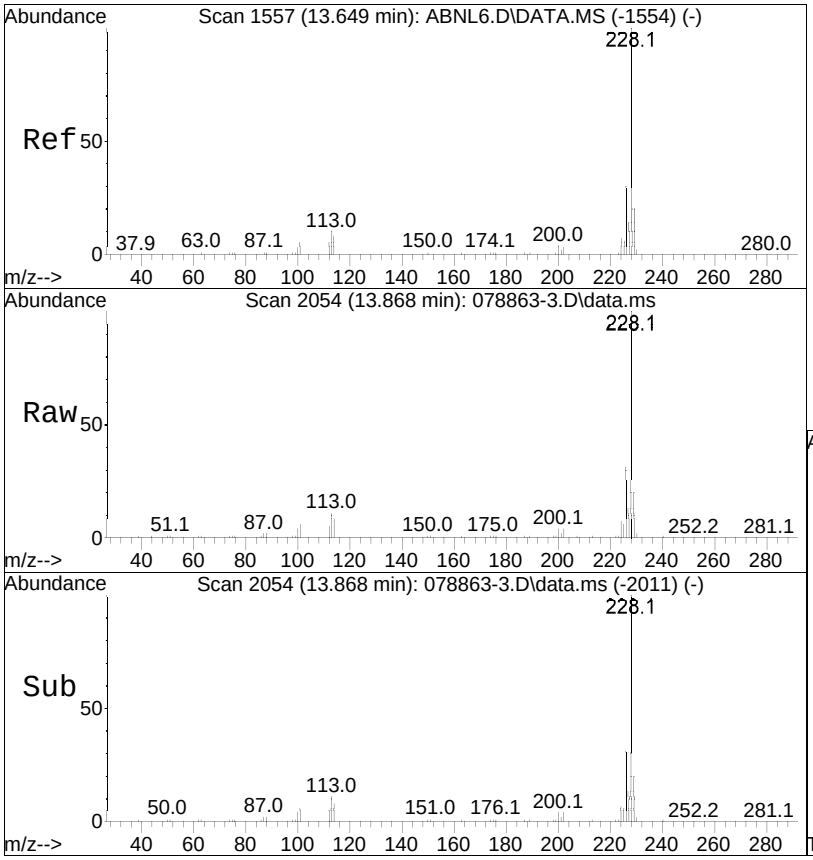


#106
3,3'-Dichlorobenzidine
Concen: 0.87 ug/ml
RT: 13.833 min Scan# 2048
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:252 Resp: 27643

Ion	Ratio	Lower	Upper
252	100		
126	13.9	14.5	21.7#
254	64.2	51.2	76.8

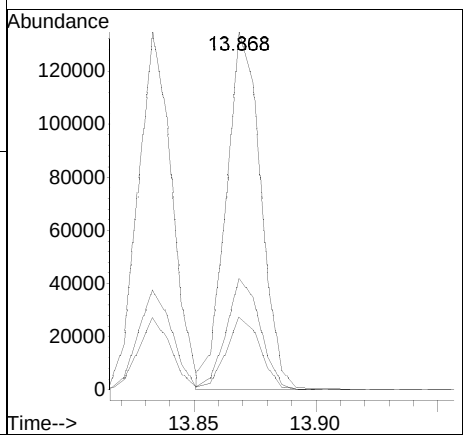


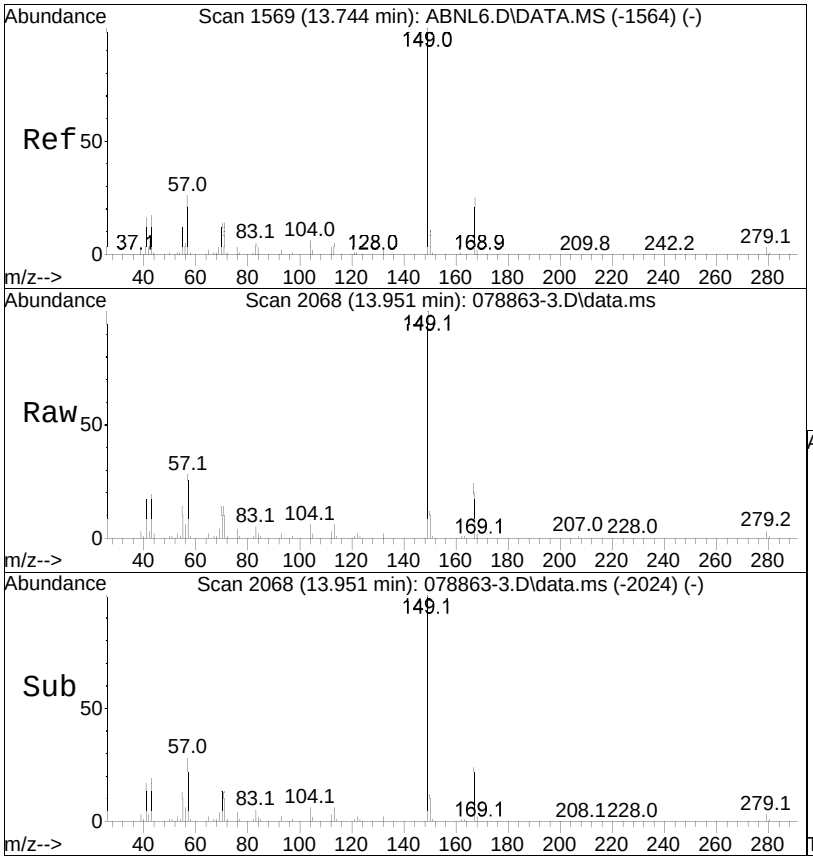


#107
Chrysene
Concen: 1.43 ug/ml
RT: 13.868 min Scan# 2054
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:228 Resp: 133551

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.0	15.8	23.8

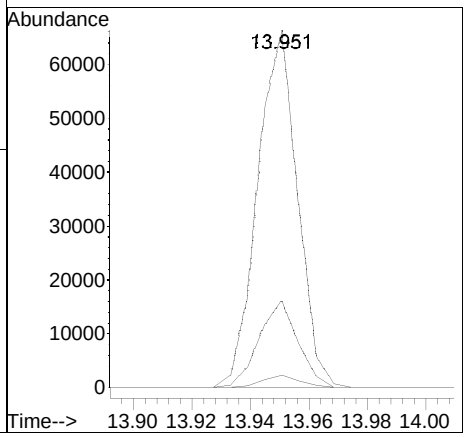


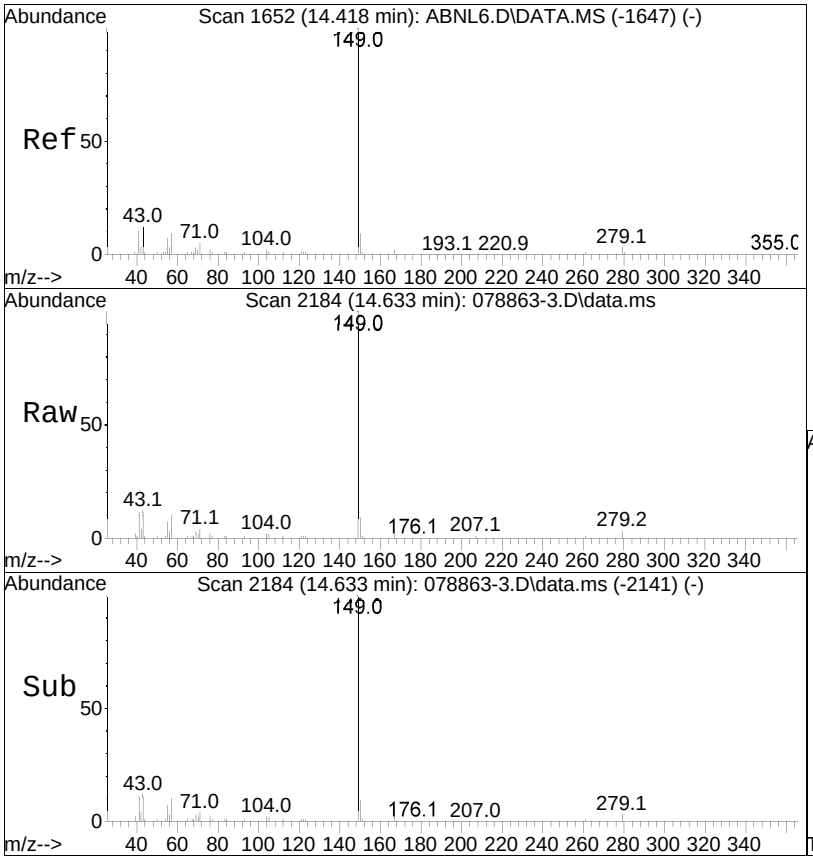


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.30 ug/ml
RT: 13.951 min Scan# 2068
Delta R.T. 0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:149 Resp: 62209

Ion	Ratio	Lower	Upper
149	100		
167	23.9	22.1	33.1
279	3.0	3.0	4.4

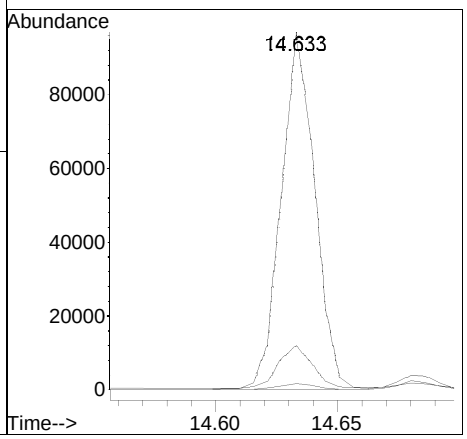


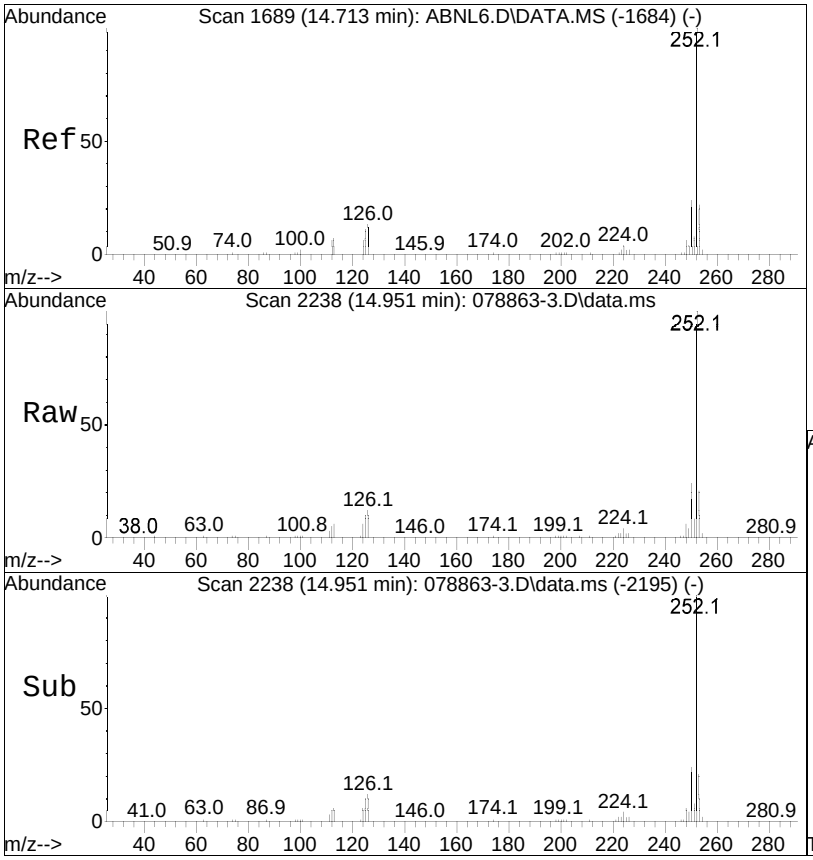


#109
Di-n-octylphthalate
Concen: 1.36 ug/ml
RT: 14.633 min Scan# 2184
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:149 Resp: 91664

Ion	Ratio	Lower	Upper
149	100		
43	12.6	18.8	28.2#
167	1.6	1.3	1.9

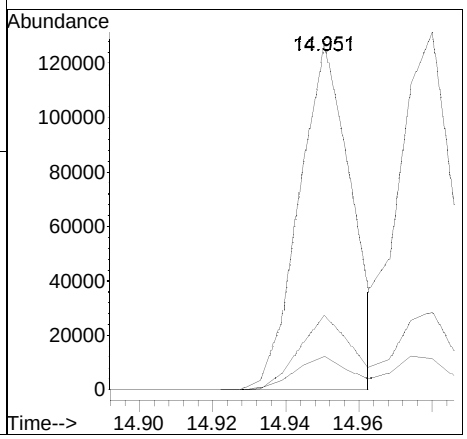


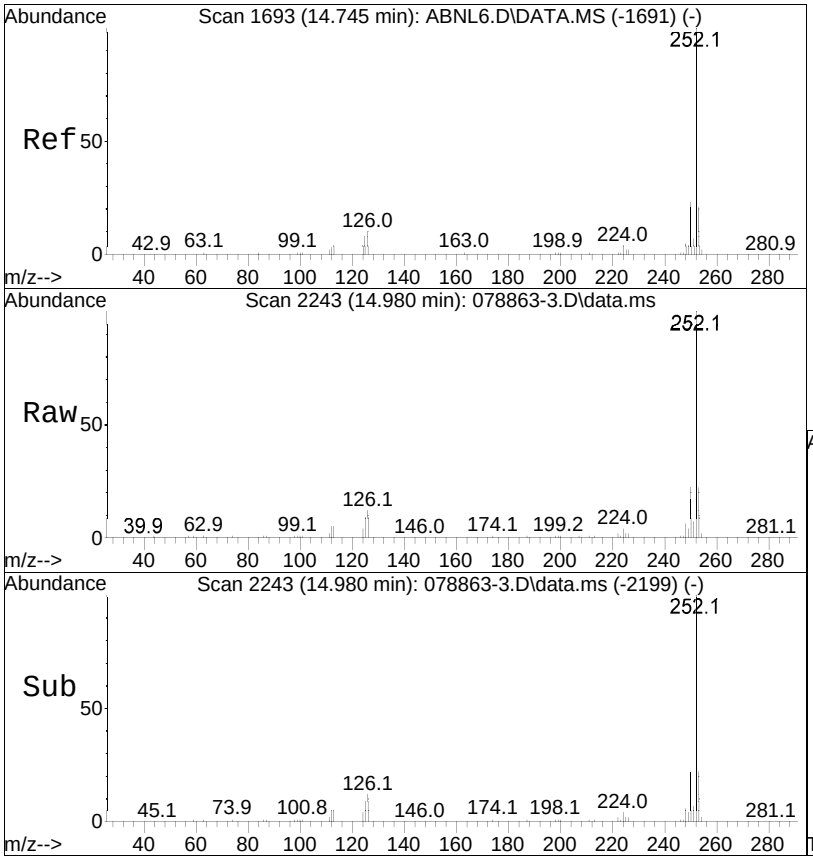


#110
Benzo(b)fluoranthene
Concen: 1.31 ug/ml
RT: 14.951 min Scan# 2238
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:252 Resp: 127470

Ion	Ratio	Lower	Upper
252	100		
125	10.4	13.3	19.9#
253	21.7	17.1	25.7

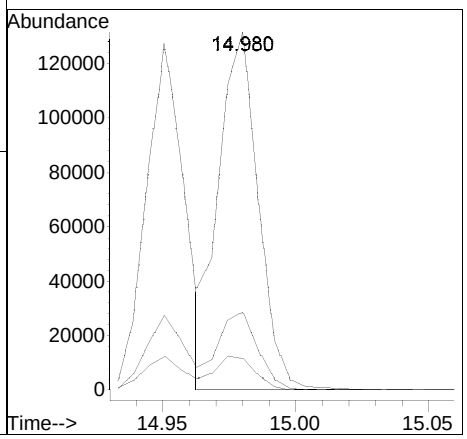


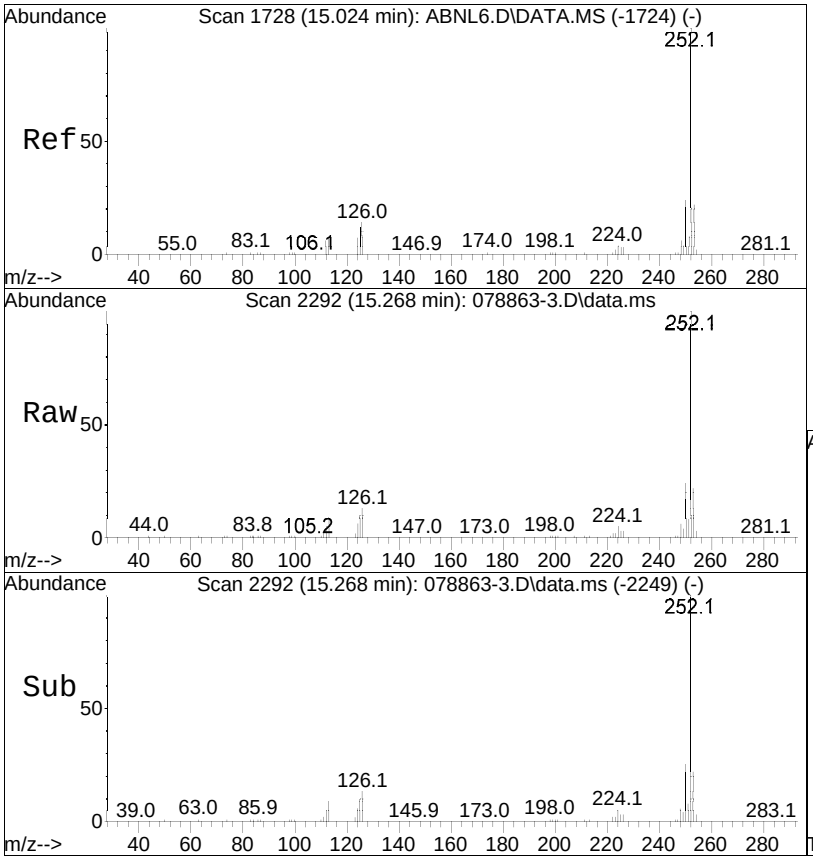


#111
Benzo(k)fluoranthene
Concen: 1.50 ug/ml
RT: 14.980 min Scan# 2243
Delta R.T. 0.006 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:252 Resp: 135377

Ion	Ratio	Lower	Upper
252	100		
125	9.6	13.0	19.6#
253	22.3	16.8	25.2

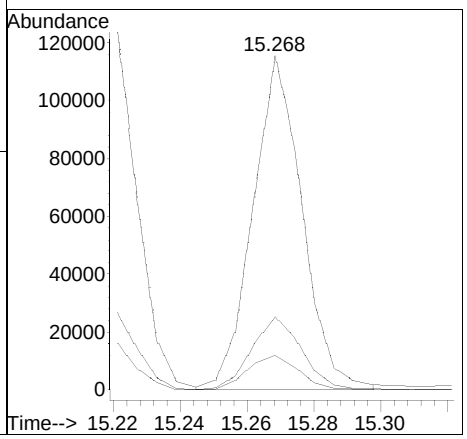


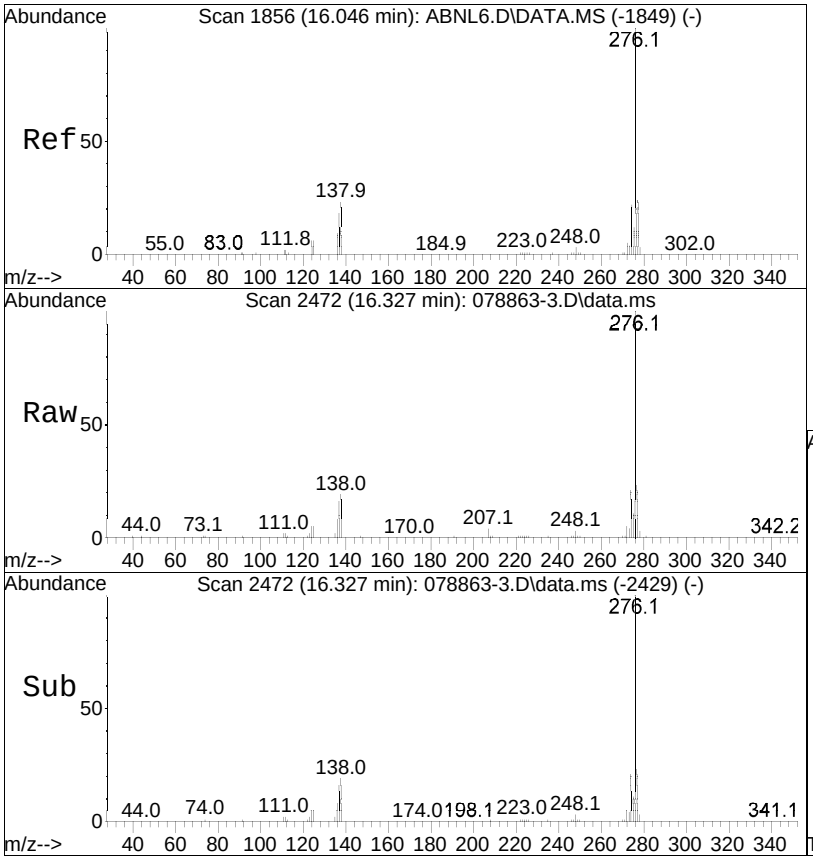


#112
Benzo(a)pyrene
Concen: 1.38 ug/ml M3
RT: 15.268 min Scan# 2292
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:252 Resp: 117981

Ion	Ratio	Lower	Upper
252	100		
125	15.3	14.2	21.2
253	22.8	16.9	25.3

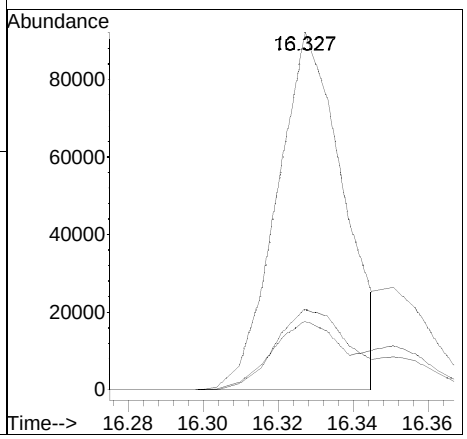


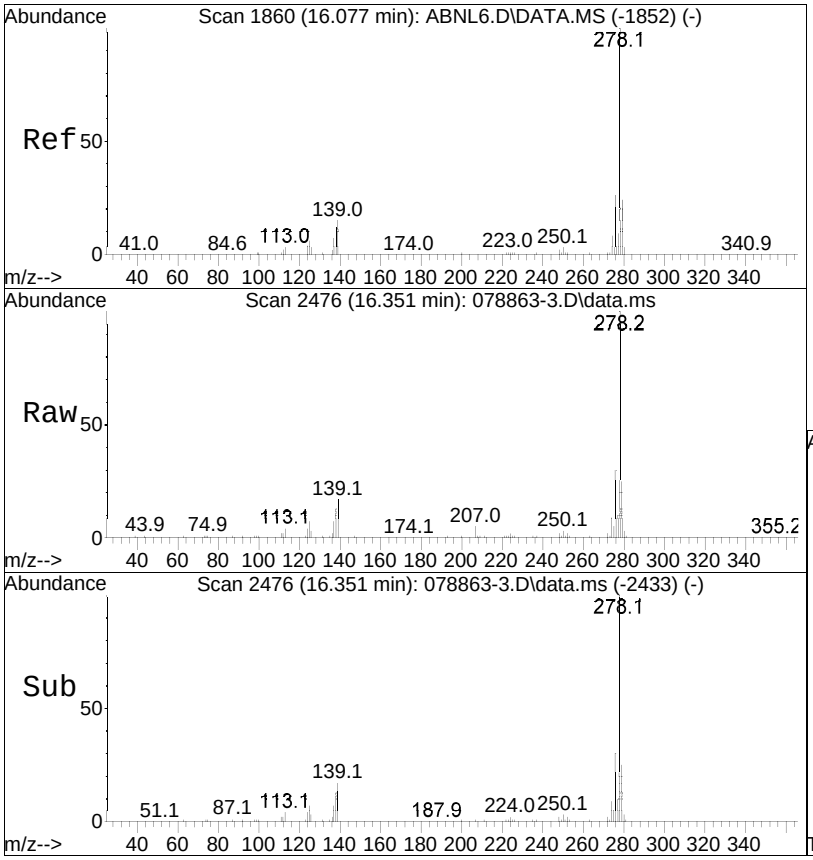


#114
Indeno(1,2,3-cd)pyrene
Concen: 1.37 ug/mL M6
RT: 16.327 min Scan# 2472
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:276 Resp: 115126

Ion	Ratio	Lower	Upper
276	100		
138	32.0	25.1	37.7
277	32.3	18.6	28.0#

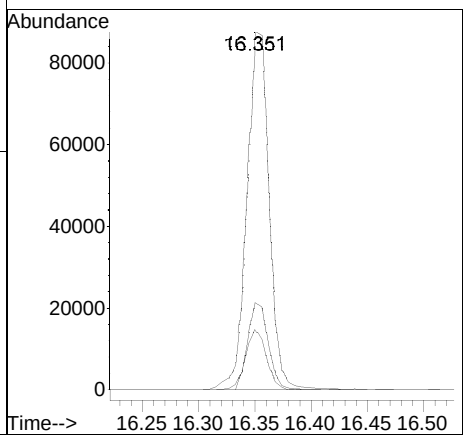


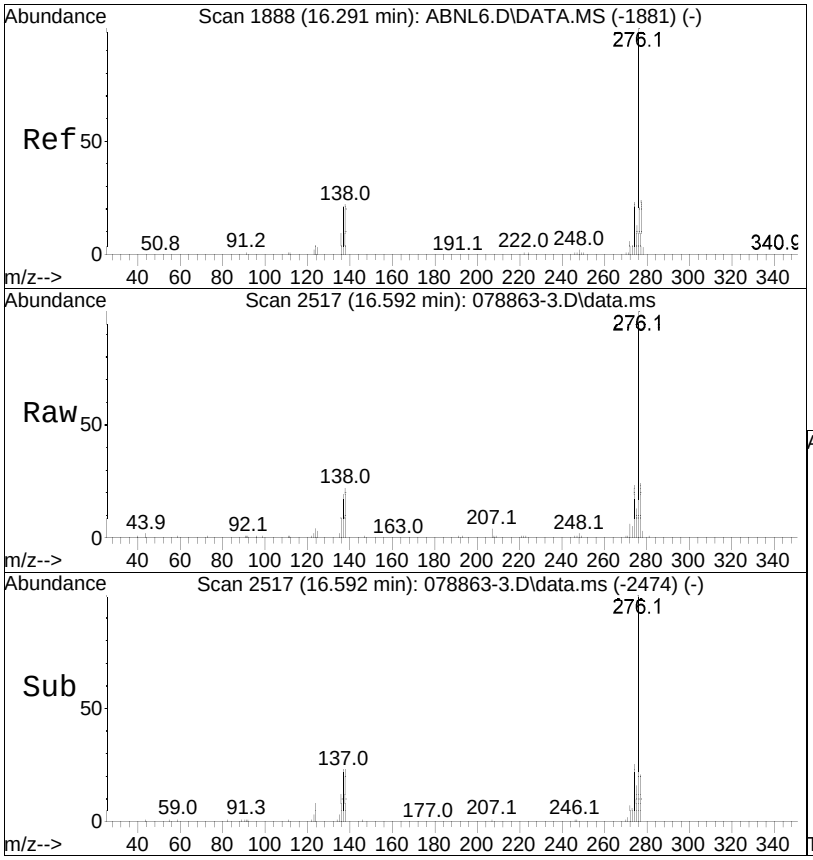


#115
Dibenzo(a,h)anthracene
Concen: 1.44 ug/ml
RT: 16.351 min Scan# 2476
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:278 Resp: 119790

Ion	Ratio	Lower	Upper
278	100		
139	15.4	20.8	31.2#
279	23.4	18.3	27.5

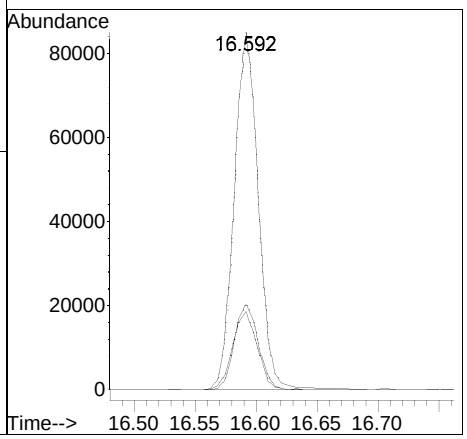




#116
Benzo(ghi)perylene
Concen: 1.40 ug/ml
RT: 16.592 min Scan# 2517
Delta R.T. 0.000 min
Lab File: 078863-3.D
Acq: 15 Jun 2025 8:57 pm

Tgt Ion:276 Resp: 115373

Ion	Ratio	Lower	Upper
276	100		
138	22.6	29.2	43.8#
277	24.0	18.8	28.2

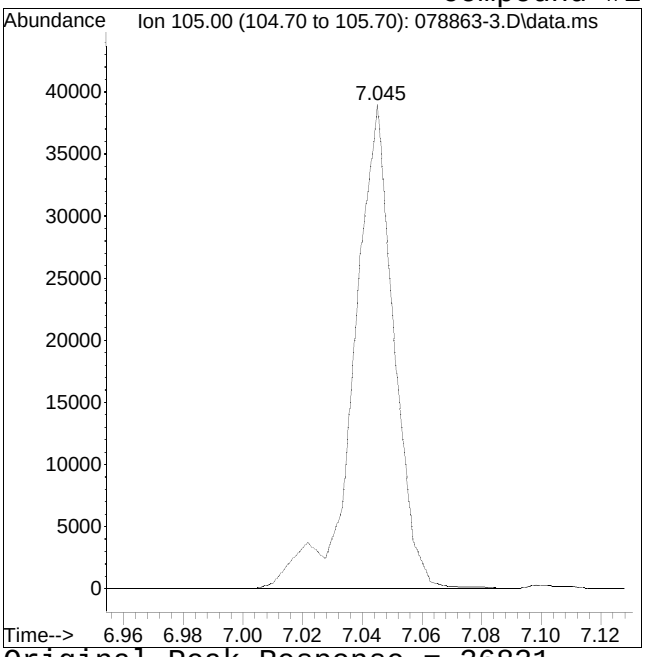


Manual Integration Report

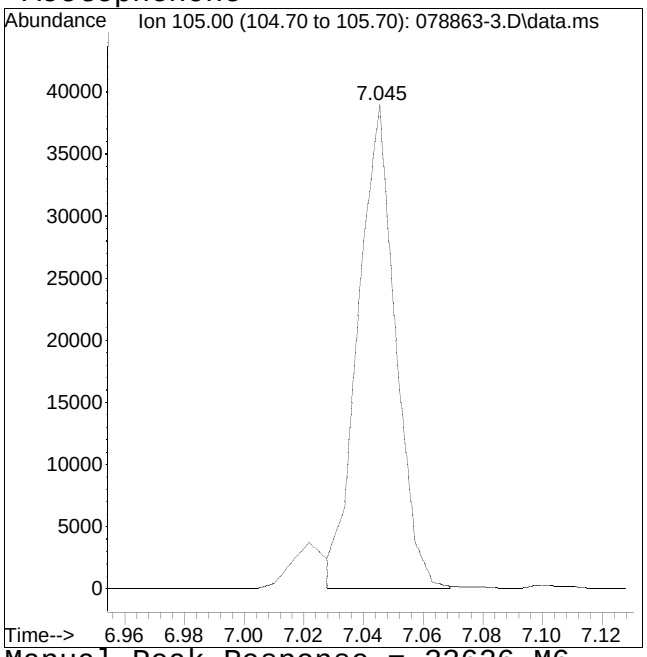
Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-3.D
Date Inj'd : 6/15/2025 8:57 pm
Sample : WG2078863-3,32,,ASK

QMethod : FS250311SV106.m
Operator : SV106:smz
Instrument : SV 106
Quant Date : 6/15/2025 9:17 pm

Compound #29: Acetophenone



Original Peak Response = 36831



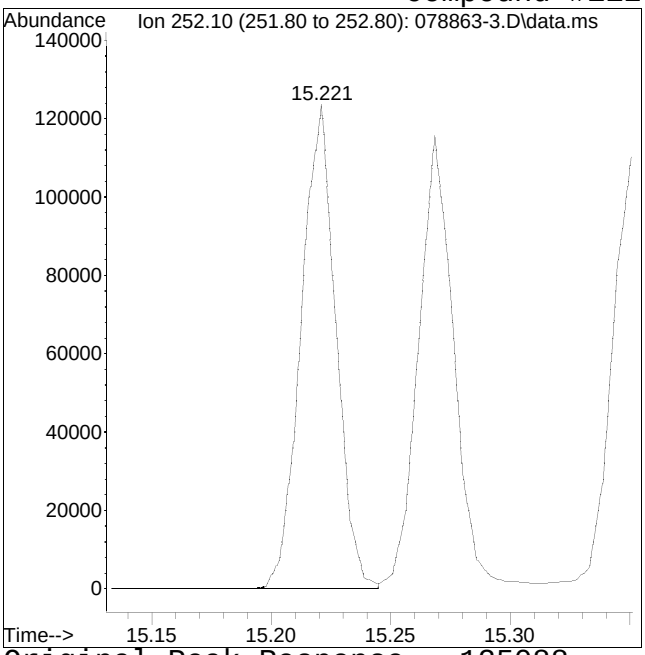
Manual Peak Response = 33626 M6

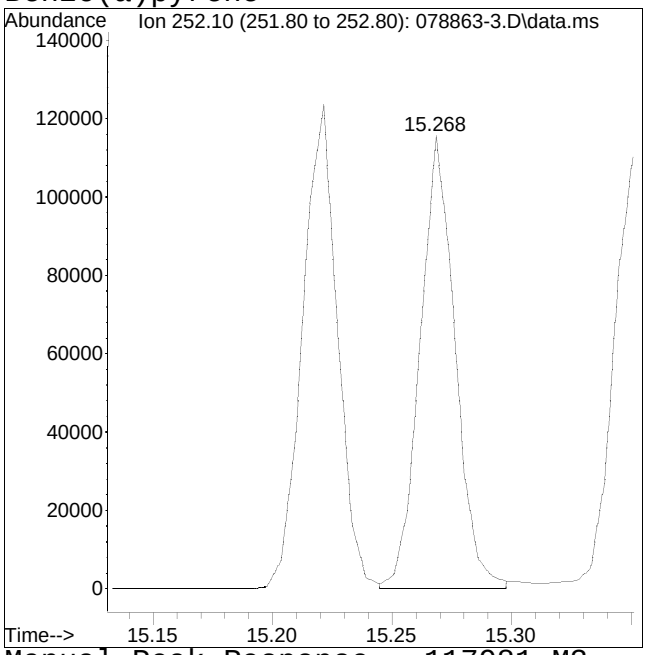
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : 078863-3.D Operator : SV106:smz
Date Inj'd : 6/15/2025 8:57 pm Instrument : SV 106
Sample : WG2078863-3,32,,ASK Quant Date : 6/15/2025 9:17 pm

Compound #112: Benzo(a)pyrene





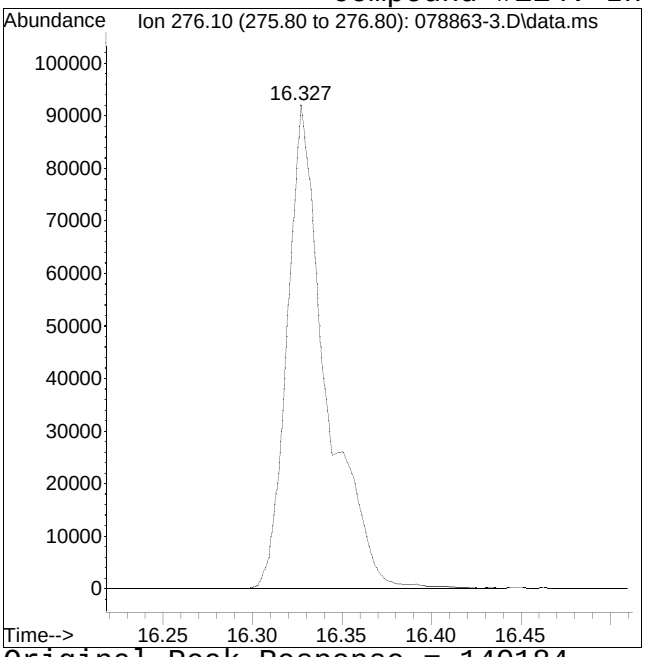
Original Peak Response = 125088 Manual Peak Response = 117981 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

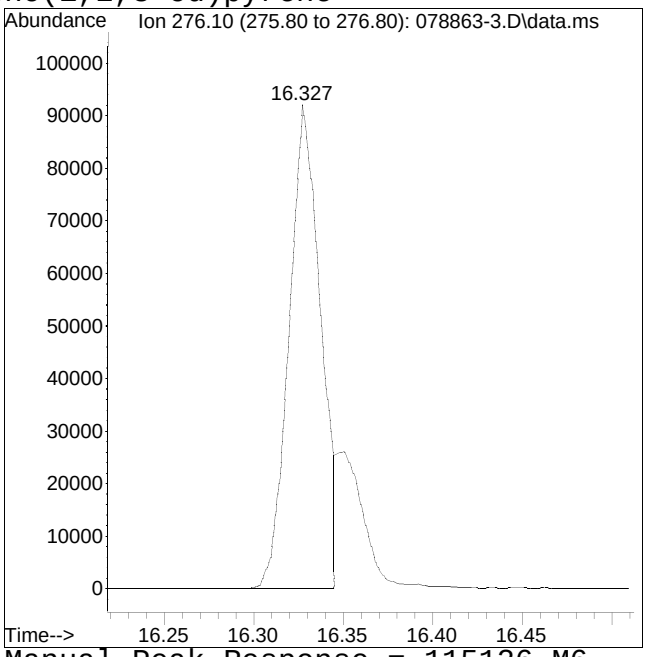
Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : 078863-3.D Operator : SV106:smz
Date Inj'd : 6/15/2025 8:57 pm Instrument : SV 106
Sample : WG2078863-3,32,,ASK Quant Date : 6/15/2025 9:17 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 140184



Manual Peak Response = 115126 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-4.D
Acq On : 16 Jun 2025 2:48 am
Operator : SV106:smz
Sample : WG2078863-4,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 09:23:30 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	57813	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 105.60%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	57813	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 109.10%				
35) IS1_Naphthalene-d8	7.969	136	213045	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 108.51%				
55) IS2_Naphthalene-d8	7.969	136	213045	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 116.11%				
63) IS1_Acenaphthene-d10	9.733	164	143029	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 123.55%				
83) IS2_Acenaphthene-d10	9.733	164	143029	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 132.69%				
86) IS3_Acenaphthene-d10	9.733	164	143029	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 130.41%				
88) IS1_Phenanthrene-d10	11.180	188	289459	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 125.05%				
100) IS3_Phenanthrene-d10	11.180	188	289459	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 125.04%				
104) IS1_Chrysene-d12	13.839	240	291038	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 109.92%				
113) IS1_Perylene-d12	15.321	264	308451	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 114.34%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.692	112	15432	0.946	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 47.30%				
7) Phenol-d6	6.181	99	12933	0.677	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 33.85%				
19) Nitrobenzene-d5	7.204	82	13950	0.881	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 88.10%				
46) 2-Fluorobiphenyl	9.092	172	39156	0.796	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 79.60%				
79) 2,4,6-Tribromophenol	10.510	330	10949	1.489	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 74.45%				
96) 4-Terphenyl-d14	12.774	244	56591	0.754	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 75.40%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-4.D
Acq On : 16 Jun 2025 2:48 am
Operator : SV106:smz
Sample : WG2078863-4,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 09:23:30 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	6.292	128	24988	1.420	ug/ml	98
8) Phenol	6.198	94	15711	0.745	ug/ml	95
9) Bis(2-chloroethyl)ether	6.275	93	24958	1.489	ug/ml#	72
10) 1,3-Dichlorobenzene	6.481	146	24864	1.117	ug/ml	96
11) 1,4-Dichlorobenzene	6.575	146	25270	1.110	ug/ml	97
12) 1,2-Dichlorobenzene	6.751	146	25714	1.194	ug/ml	97
13) Benzyl alcohol	6.757	79	18326	1.393	ug/ml	97
14) Bis(2-chloroisopropyl)...	6.939	45	54201	1.387	ug/ml#	78
15) 2-Methylphenol	6.922	108	19444	1.049	ug/ml	98
17) n-Nitrosodi-n-propylamine	7.075	70	19077	1.544	ug/ml	94
18) 3-Methylphenol/4-Methy...	7.104	108	20863	1.300	ug/ml	99
20) Nitrobenzene	7.222	77	27007	1.671	ug/ml	99
21) Isophorone	7.504	82	46910	1.414	ug/ml	98
22) 2-Nitrophenol	7.581	139	13596	1.848	ug/ml	96
23) 2,4-Dimethylphenol	7.675	107	19717	1.138	ug/ml	98
24) Bis(2-chloroethoxy)met...	7.769	93	33246	1.404	ug/ml#	97
25) 2,4-Dichlorophenol	7.845	162	25520	1.553	ug/ml#	94
26) 1,2,4-Trichlorobenzene	7.922	180	25157	1.194	ug/ml	97
29) Acetophenone	7.045	105	37944M6	1.595	ug/ml	
37) Benzoic Acid	7.739	105	10548	1.675	ug/ml	96
38) 4-Chloroaniline	8.075	65	6348	0.906	ug/ml	99
40) p-Chloro-m-cresol	8.598	107	23180	1.339	ug/ml	96
43) Hexachlorocyclopentadiene	8.886	237	18204	1.140	ug/ml	99
44) 2,4,6-Trichlorophenol	9.004	196	21041	1.573	ug/ml	98
45) 2,4,5-Trichlorophenol	9.033	196	23742	1.749	ug/ml	98
48) 2-Nitroaniline	9.298	138	17042	1.925	ug/ml	92
51) Dimethyl phthalate	9.504	163	78309	1.618	ug/ml#	99
53) 2,6-Dinitrotoluene	9.545	165	14495	1.805	ug/ml#	83
61) 1,2,4,5-Tetrachloroben...	8.880	216	30876	1.444	ug/ml	97
62) Biphenyl	9.186	154	77441	1.642	ug/ml	99
64) 3-Nitroaniline	9.704	138	14900	1.652	ug/ml#	94
66) 2,4-Dinitrophenol	9.810	184	8626	1.951	ug/ml#	86
67) Dibenzofuran	9.939	168	97838	1.430	ug/ml	93
68) 2,4-Dinitrotoluene	9.939	165	19867	1.689	ug/ml	91
69) 4-Nitrophenol	9.892	65	8106	1.178	ug/ml#	90
72) Diethyl phthalate	10.198	149	73909	1.521	ug/ml	96

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-4.D
Acq On : 16 Jun 2025 2:48 am
Operator : SV106:smz
Sample : WG2078863-4,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 09:23:30 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	10.292	204	39094	1.482	ug/ml	88
75) 4-Nitroaniline	10.298	138	14960	1.704	ug/ml	89
76) 4,6-Dinitro-o-cresol	10.333	198	11599	1.842	ug/ml#	70
77) NDPA/DPA	10.404	169	65480	1.558	ug/ml	97
80) 4-Bromophenyl phenyl e...	10.763	248	24267	1.465	ug/ml#	84
91) Carbazole	11.421	167	111511	1.558	ug/ml	99
92) Di-n-butylphthalate	11.810	149	123964	1.534	ug/ml	99
97) Butyl benzyl phthalate	13.304	149	49167	1.613	ug/ml	90
106) 3,3'-Dichlorobenzidine	13.827	252	20808	0.667	ug/ml	94
108) Bis(2-ethylhexyl)phtha...	13.945	149	72097	1.493	ug/ml	96
109) Di-n-octylphthalate	14.627	149	109960	1.556	ug/ml#	80

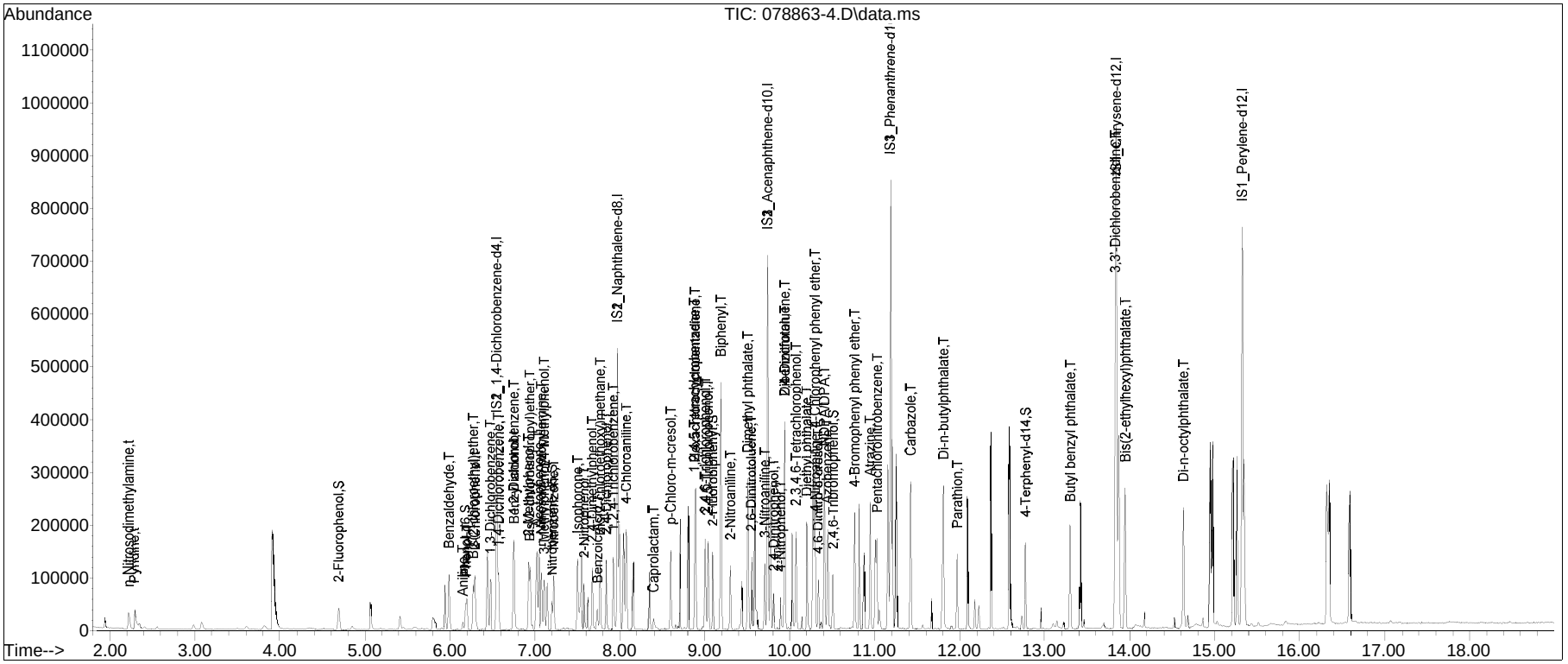
(#) = qualifier out of range (m) = manual integration (+) = signals summed

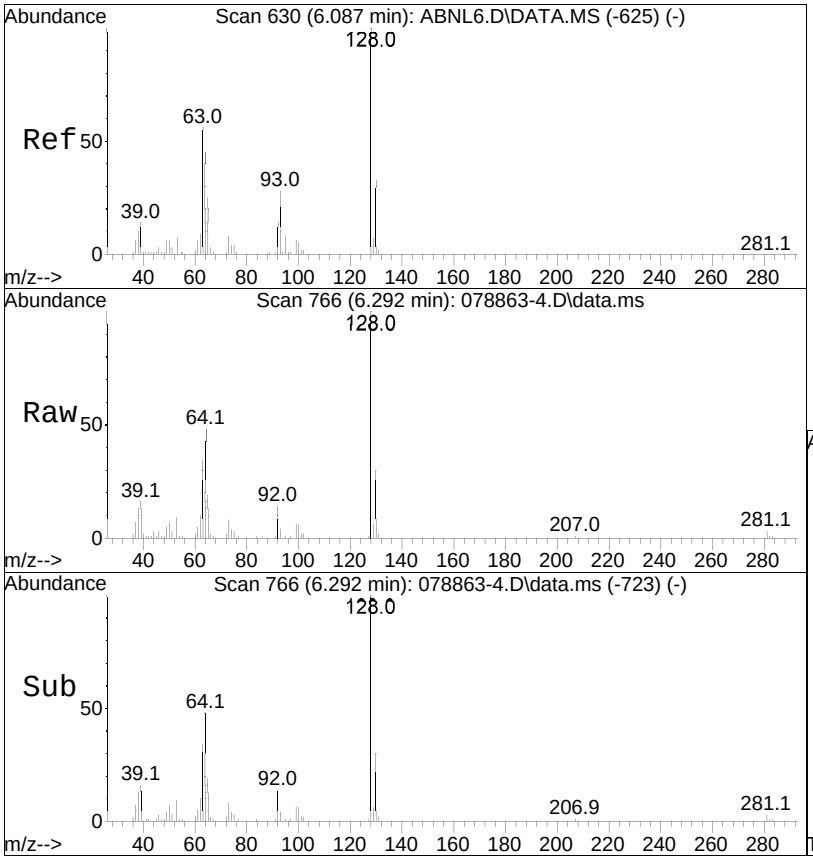
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-4.D
Acq On : 16 Jun 2025 2:48 am
Operator : SV106:smz
Sample : WG2078863-4,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 23 09:23:30 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•

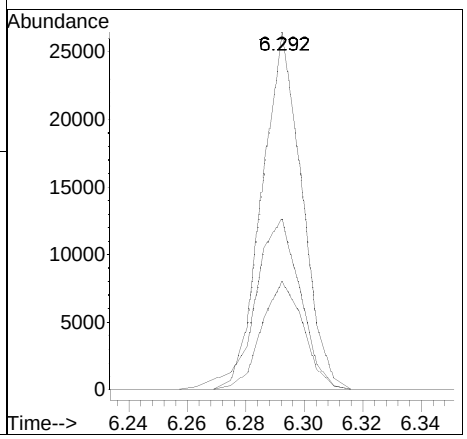


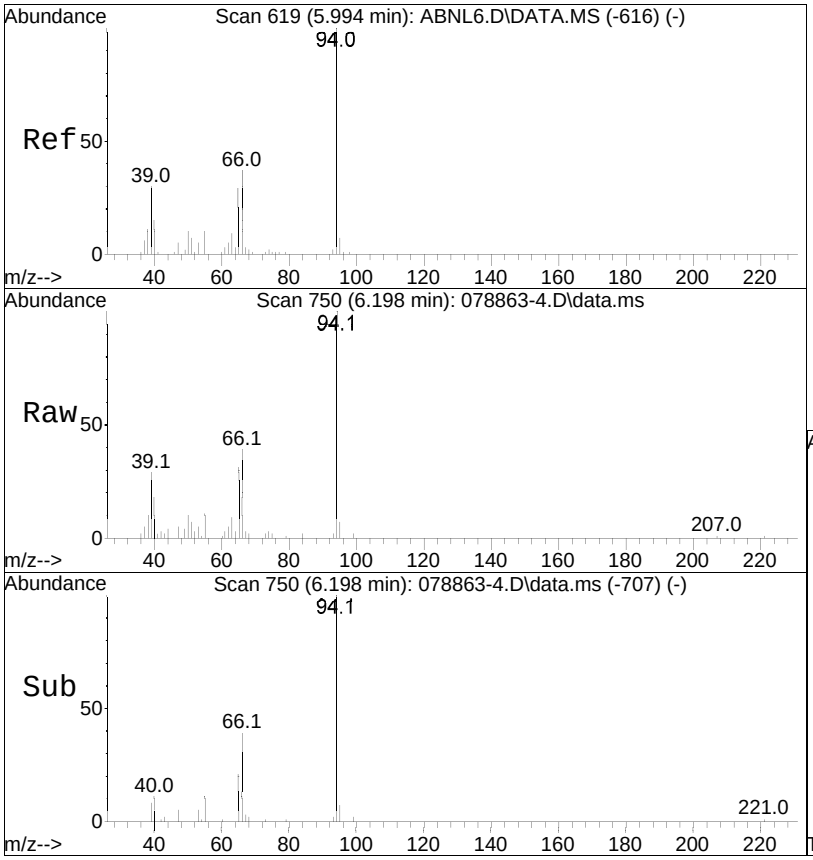


#6
2-Chlorophenol
Concen: 1.42 ug/ml
RT: 6.292 min Scan# 766
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:128 Resp: 24988

Ion	Ratio	Lower	Upper
128	100		
64	54.3	45.1	67.7
130	31.8	26.2	39.4

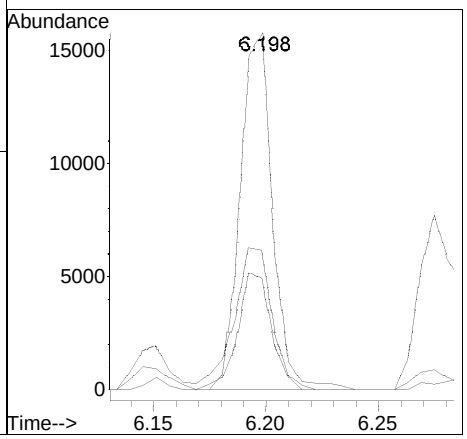


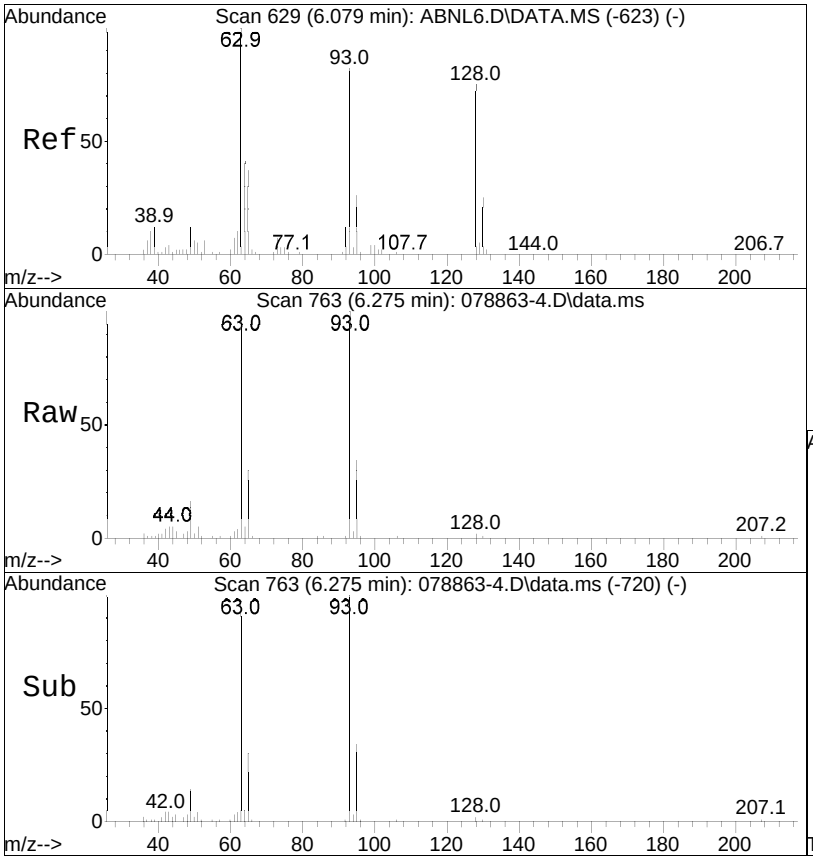


#8
Phenol
Concen: 0.74 ug/ml
RT: 6.198 min Scan# 750
Delta R.T. 0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 94 Resp: 15711

Ion	Ratio	Lower	Upper
94	100		
65	34.2	26.0	39.0
66	46.8	33.8	50.8

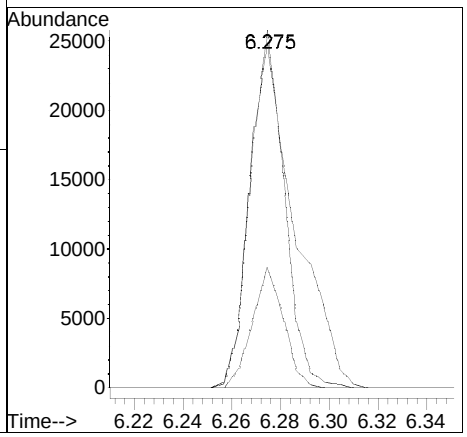


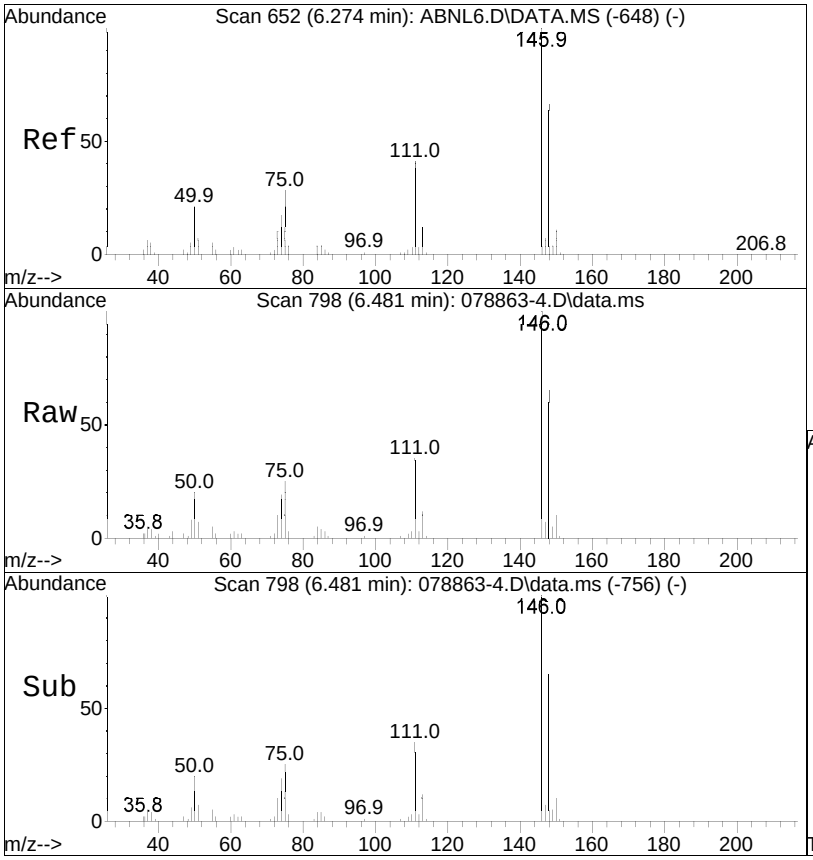


#9
Bis(2-chloroethyl)ether
Concen: 1.49 ug/ml
RT: 6.275 min Scan# 763
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 93 Resp: 24958

Ion	Ratio	Lower	Upper
93	100		
63	128.4	74.6	111.8#
95	31.0	25.9	38.9

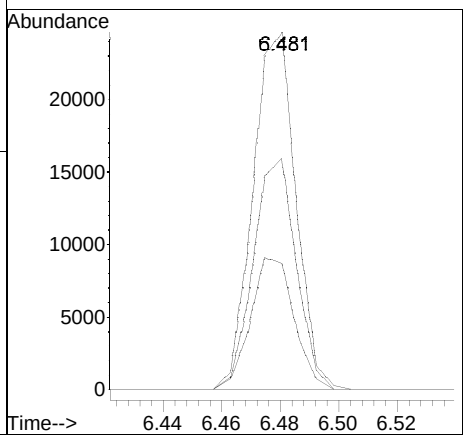


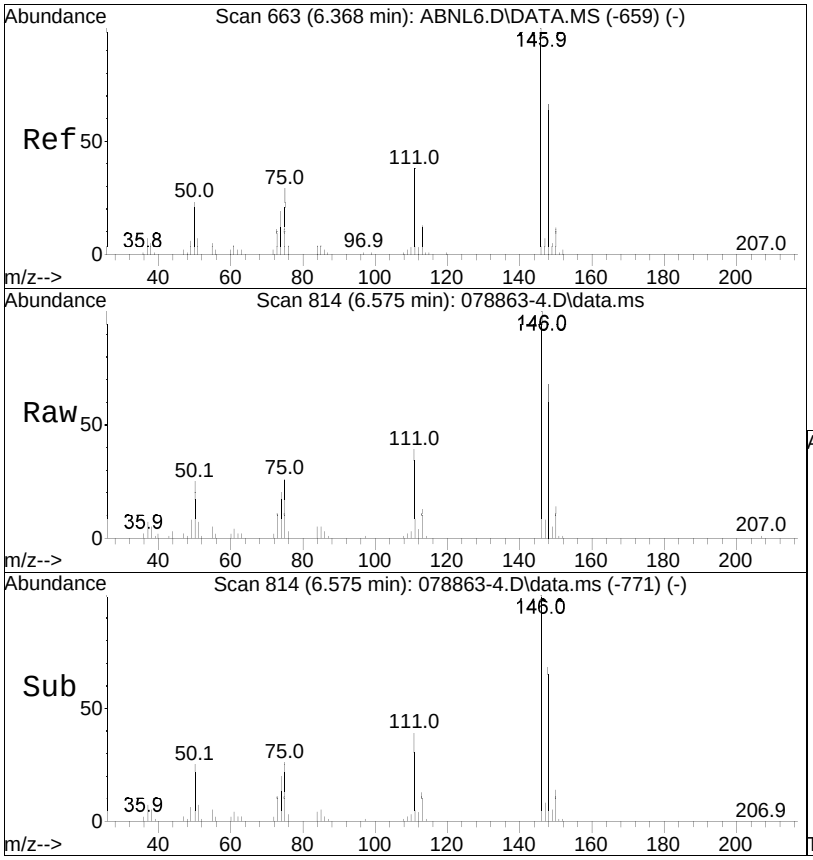


#10
1,3-Dichlorobenzene
Concen: 1.12 ug/ml
RT: 6.481 min Scan# 798
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:146 Resp: 24864

Ion	Ratio	Lower	Upper
146	100		
111	37.6	34.3	51.5
148	64.7	50.8	76.2

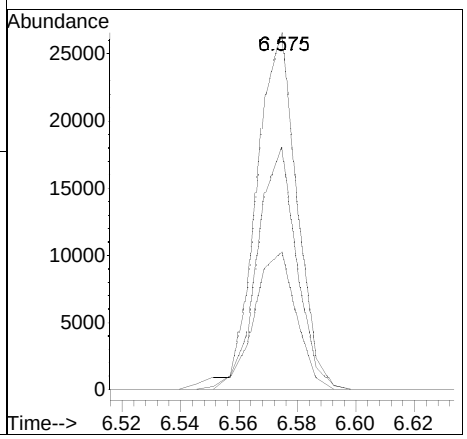


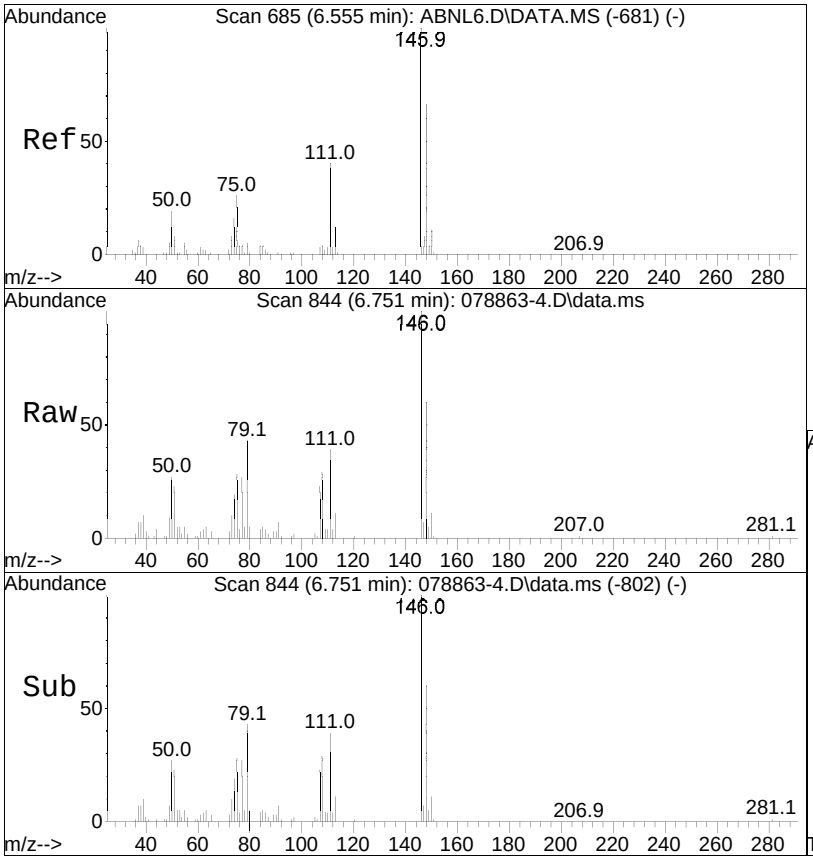


#11
1,4-Dichlorobenzene
Concen: 1.11 ug/ml
RT: 6.575 min Scan# 814
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:146 Resp: 25270

Ion	Ratio	Lower	Upper
146	100		
148	66.9	50.7	76.1
111	42.4	33.4	50.0

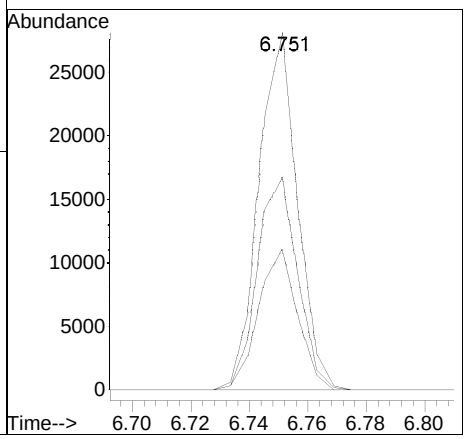


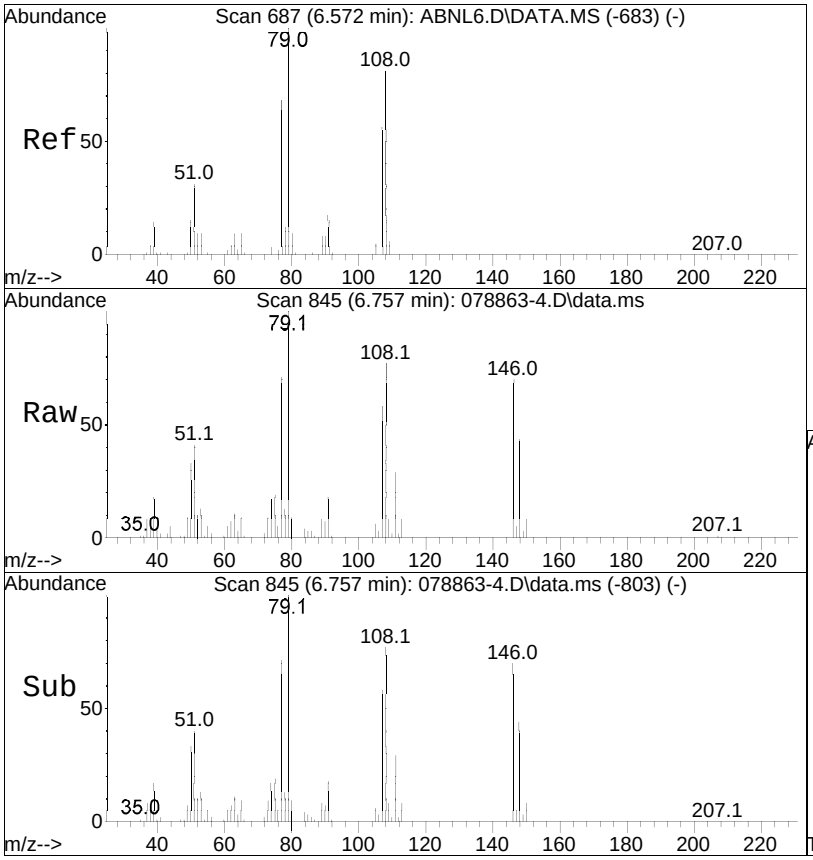


#12
1,2-Dichlorobenzene
Concen: 1.19 ug/ml
RT: 6.751 min Scan# 844
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:146 Resp: 25714

Ion	Ratio	Lower	Upper
146	100		
111	40.1	34.6	52.0
148	62.1	50.2	75.4

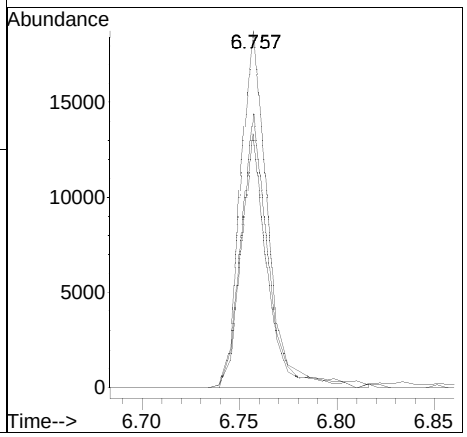


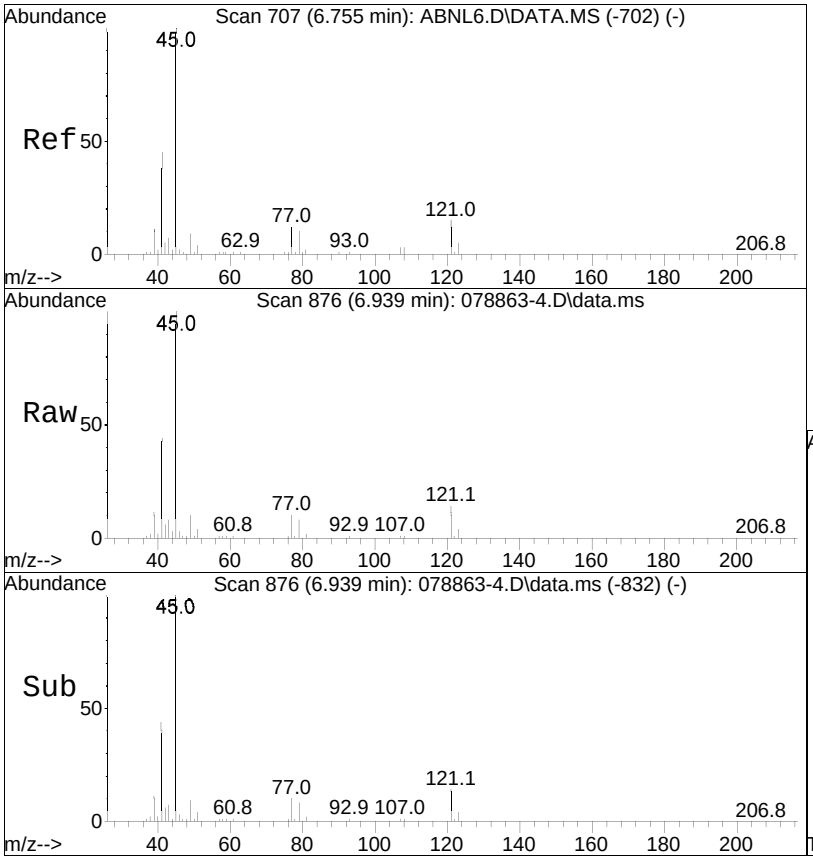


#13
Benzyl alcohol
Concen: 1.39 ug/ml
RT: 6.757 min Scan# 845
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 79 Resp: 18326

Ion	Ratio	Lower	Upper
79	100		
77	67.8	54.9	82.3
108	75.5	63.1	94.7

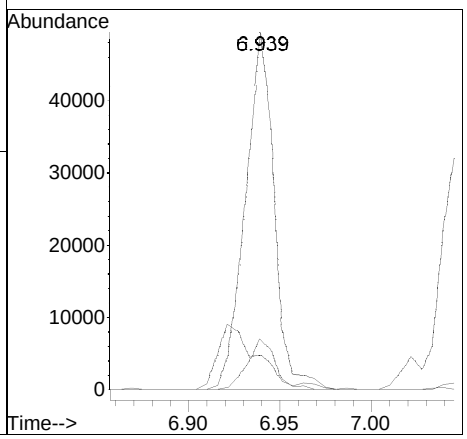


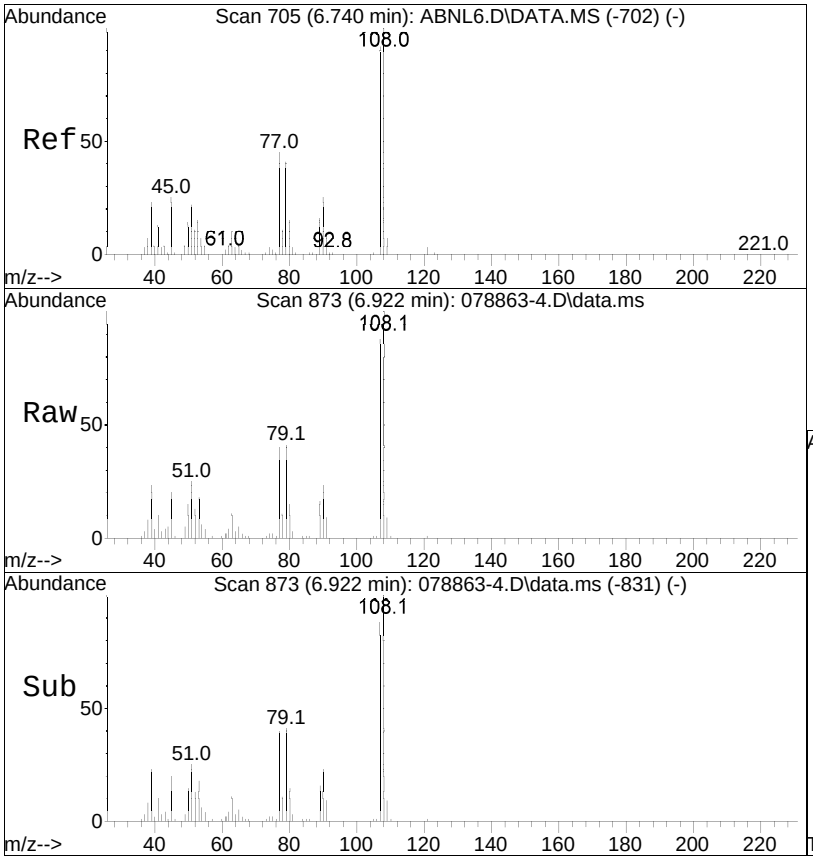


#14
Bis(2-chloroisopropyl)ether
Concen: 1.39 ug/ml
RT: 6.939 min Scan# 876
Delta R.T. 0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 45 Resp: 54201

Ion	Ratio	Lower	Upper
45	100		
121	13.6	9.8	14.6
77	25.4	6.1	9.1#

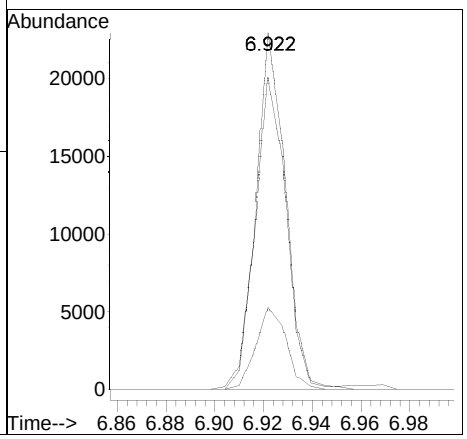


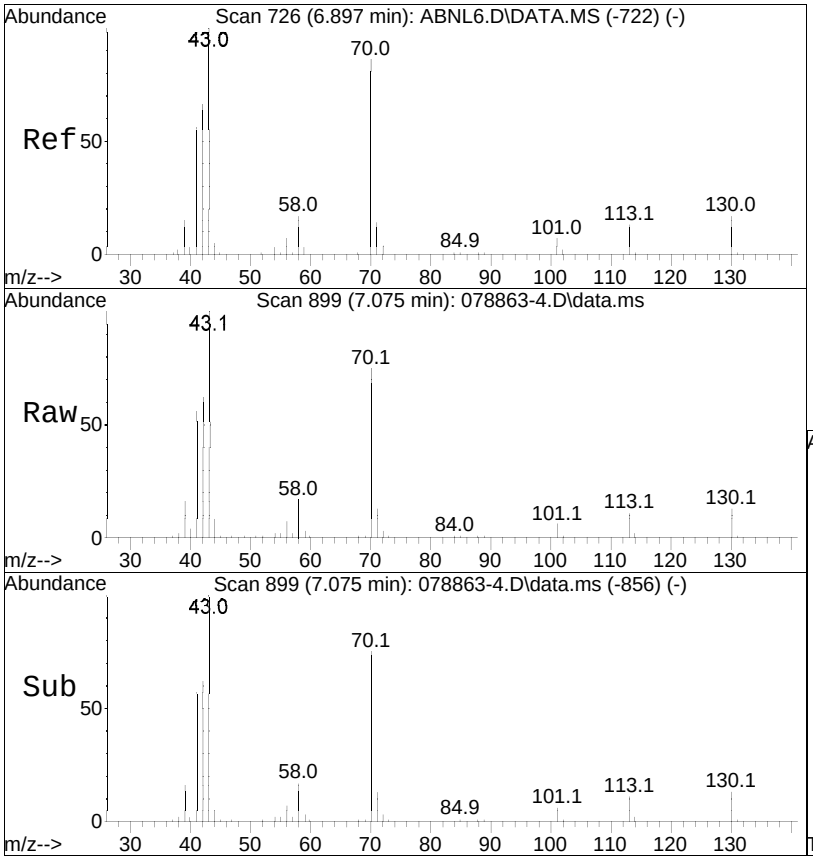


#15
2-Methylphenol
Concen: 1.05 ug/ml
RT: 6.922 min Scan# 873
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:108 Resp: 19444

Ion	Ratio	Lower	Upper
108	100		
107	90.6	70.7	106.1
90	23.6	18.7	28.1

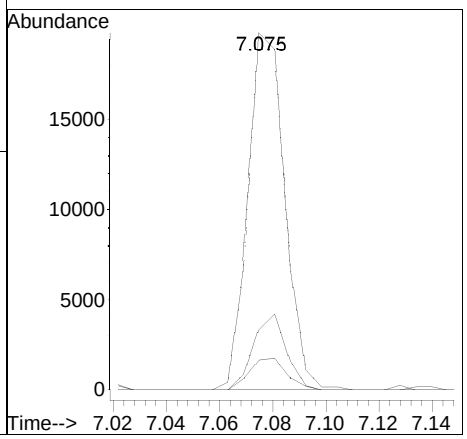


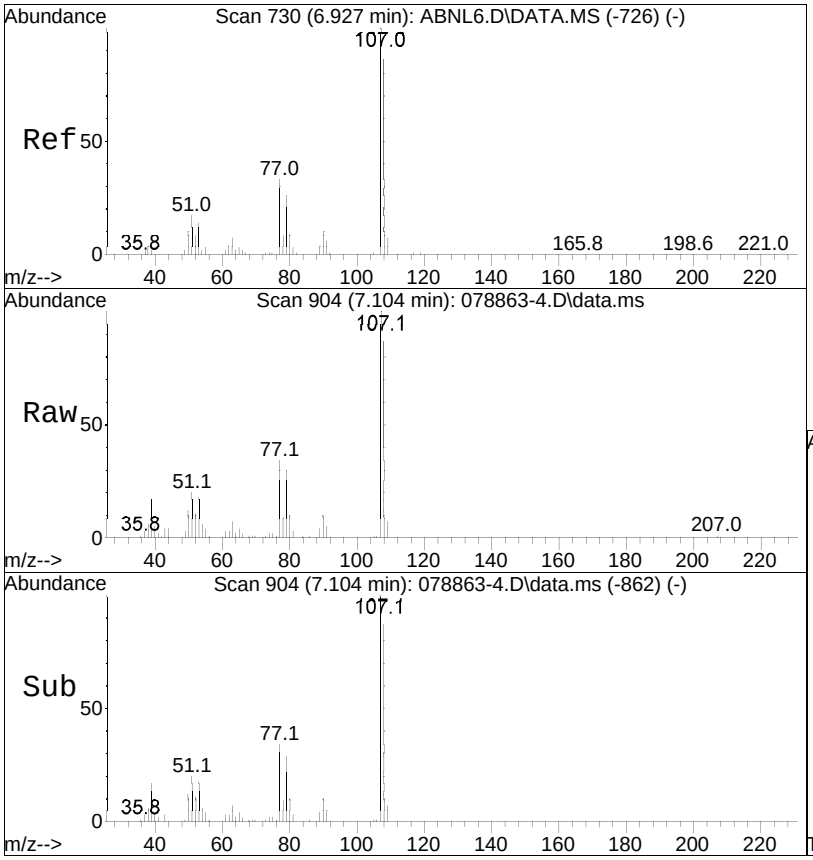


#17
n-Nitrosodi-n-propylamine
Concen: 1.54 ug/ml
RT: 7.075 min Scan# 899
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 70 Resp: 19077

Ion	Ratio	Lower	Upper
70	100		
130	19.0	18.2	27.4
101	9.0	7.8	11.8

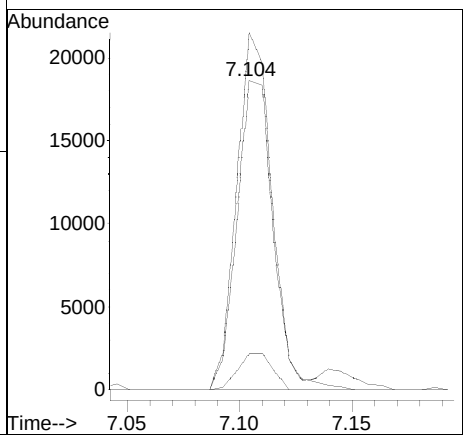


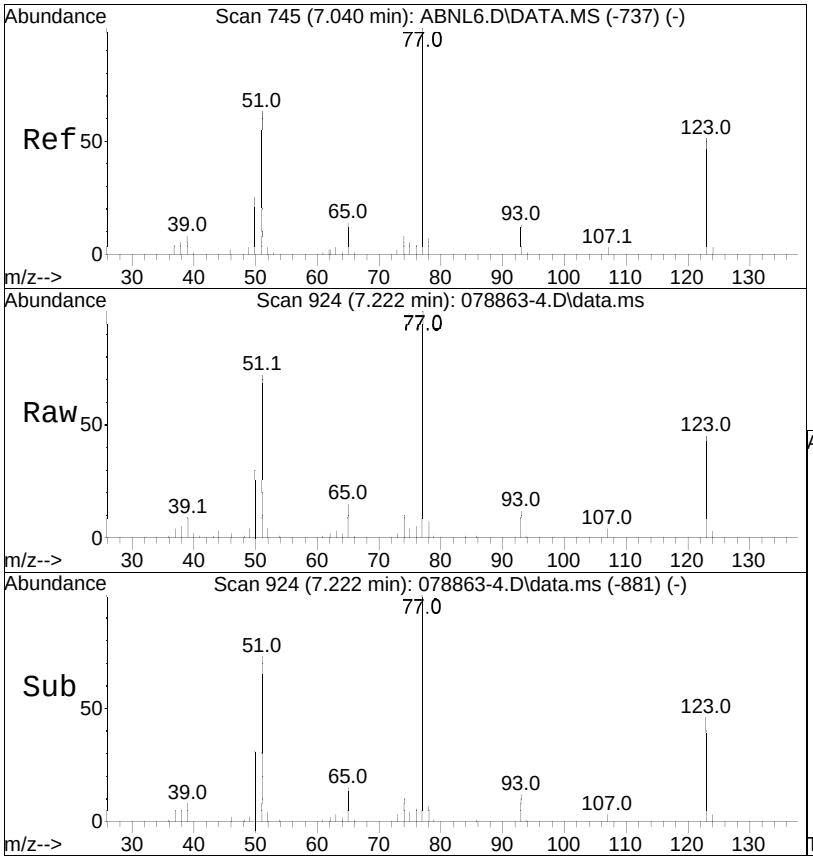


#18
3-Methylphenol/4-Methylphenol
Concen: 1.30 ug/ml
RT: 7.104 min Scan# 904
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:108 Resp: 20863

Ion	Ratio	Lower	Upper
108	100		
107	112.1	88.6	132.8
90	11.3	8.8	13.2

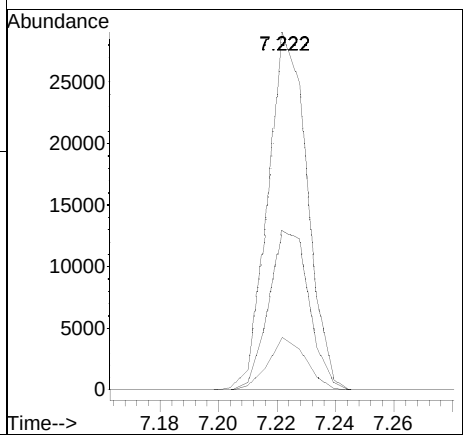


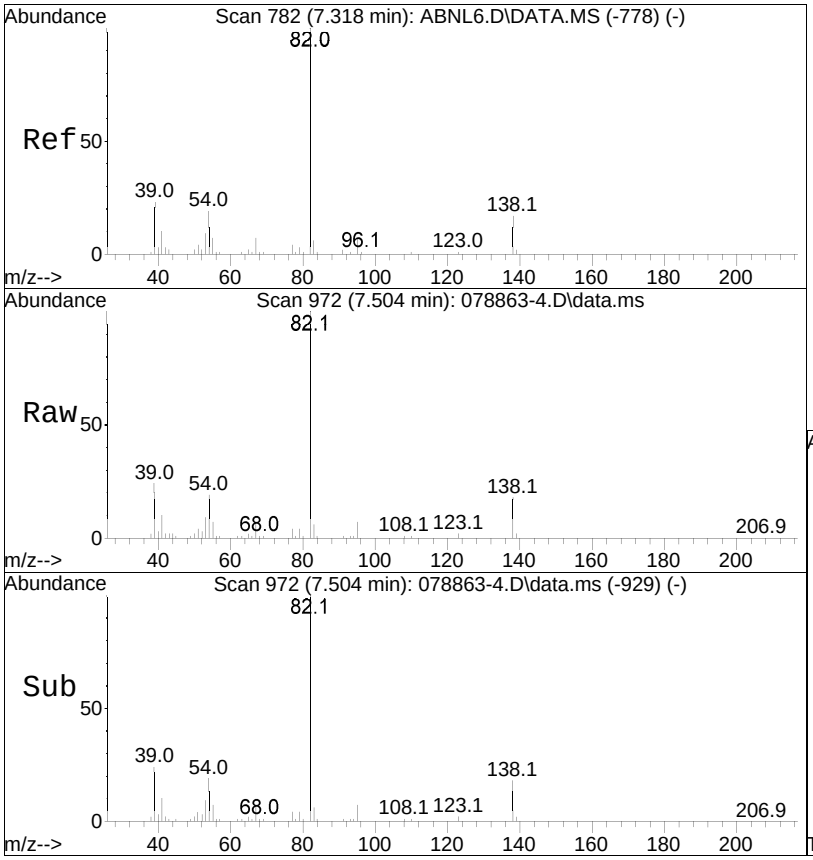


#20
Nitrobenzene
Concen: 1.67 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 77 Resp: 27007

Ion	Ratio	Lower	Upper
77	100		
123	45.7	36.3	54.5
65	14.2	11.6	17.4

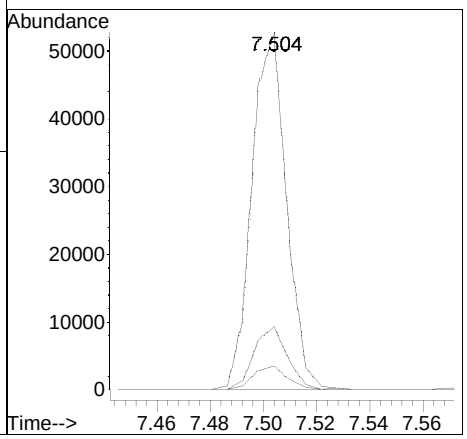


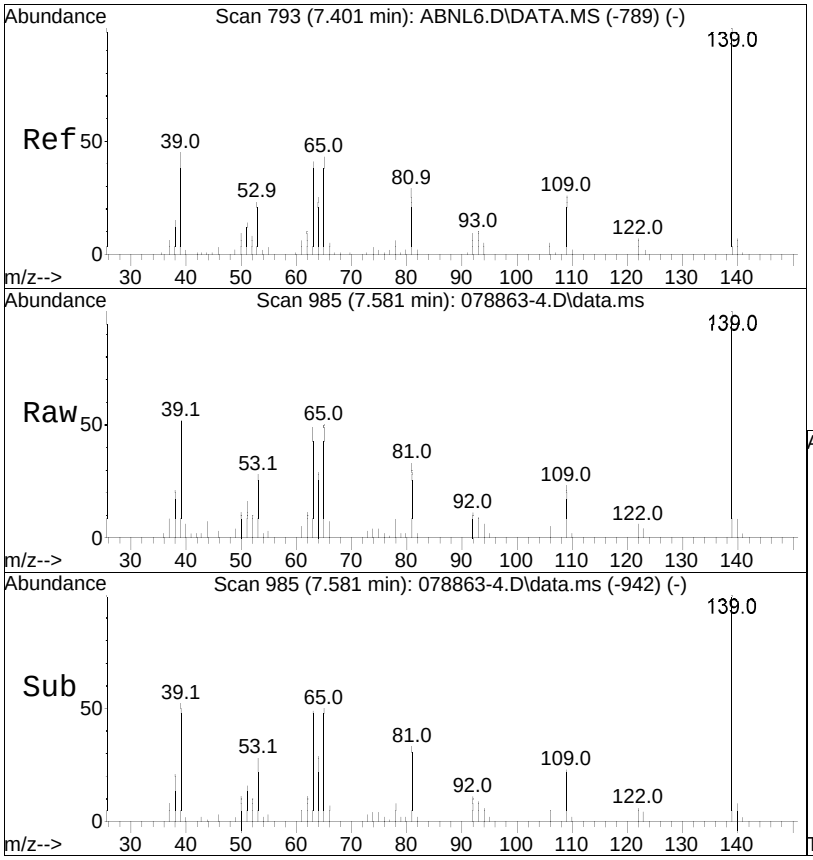


#21
Isophorone
Concen: 1.41 ug/ml
RT: 7.504 min Scan# 972
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 82 Resp: 46910

Ion	Ratio	Lower	Upper
82	100		
138	17.1	14.7	22.1
95	6.7	5.2	7.8

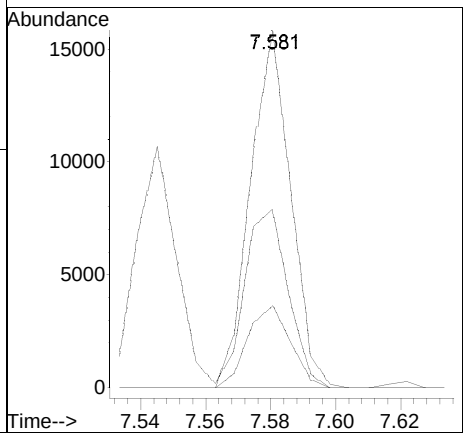


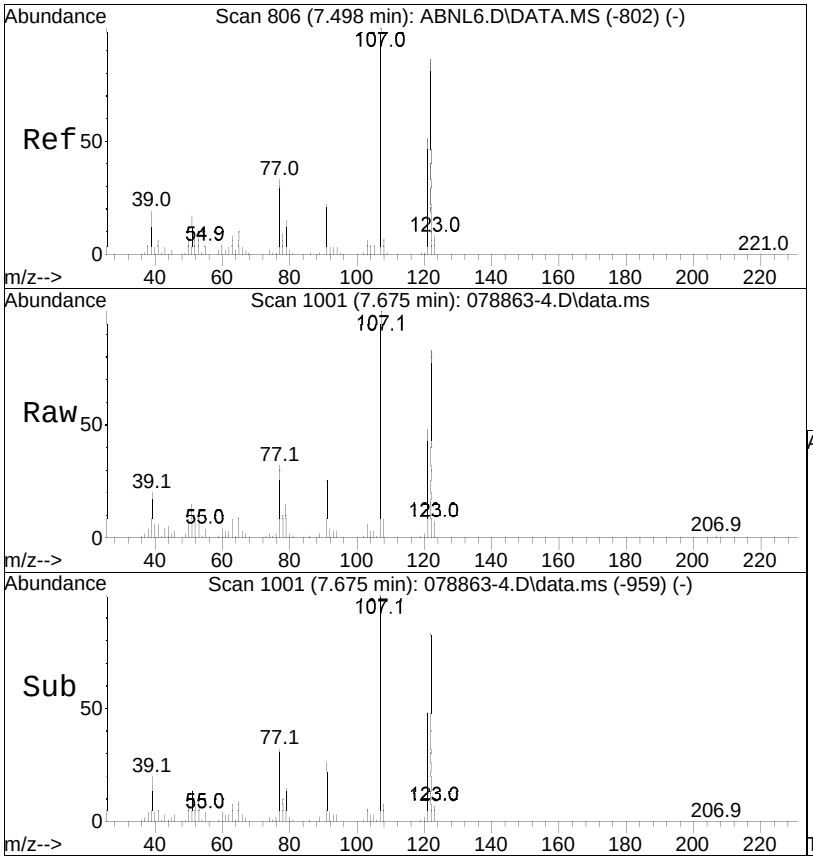


#22
2-Nitrophenol
Concen: 1.85 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:139 Resp: 13596

Ion	Ratio	Lower	Upper
139	100		
109	24.6	19.4	29.0
65	54.0	46.1	69.1

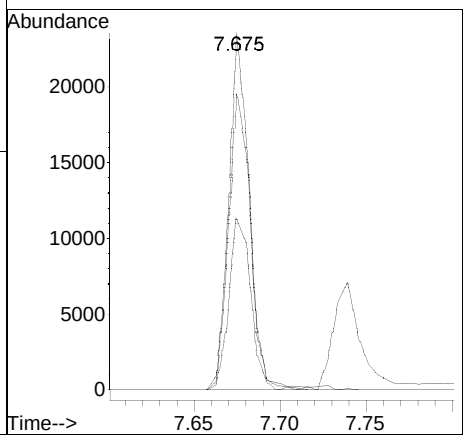


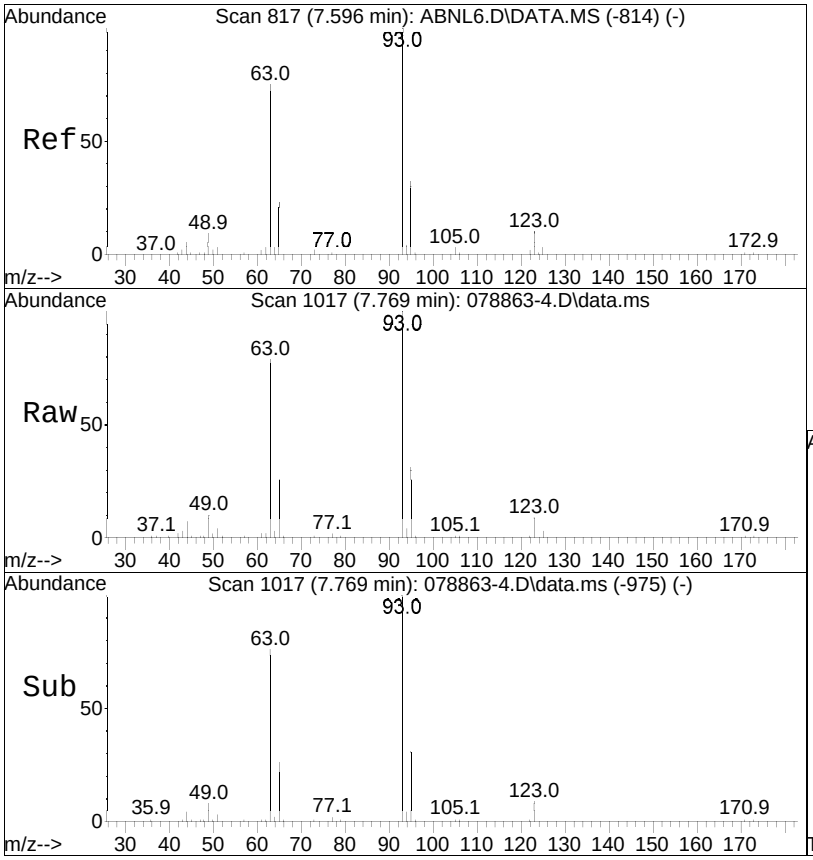


#23
2,4-Dimethylphenol
Concen: 1.14 ug/ml
RT: 7.675 min Scan# 1001
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:107 Resp: 19717

Ion	Ratio	Lower	Upper
107	100		
121	51.3	40.0	60.0
122	86.0	70.2	105.4

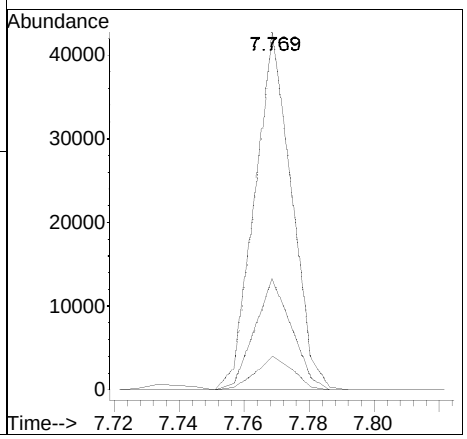


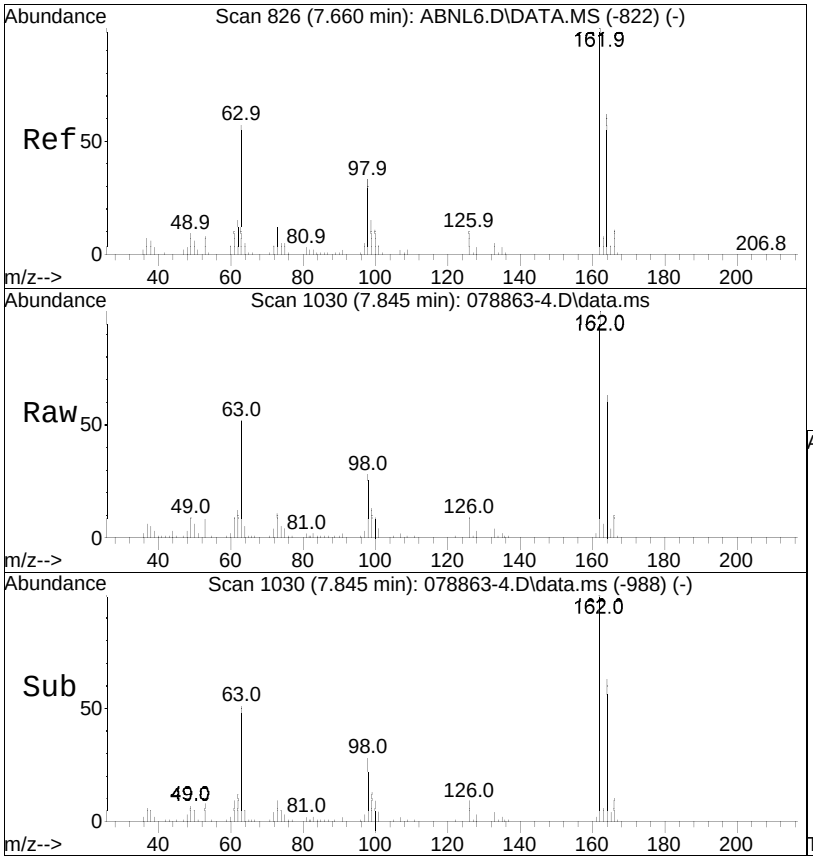


#24
Bis(2-chloroethoxy)methane
Concen: 1.40 ug/ml
RT: 7.769 min Scan# 1017
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 93 Resp: 33246

Ion	Ratio	Lower	Upper
93	100		
95	31.4	25.8	38.8
123	9.5	10.1	15.1#

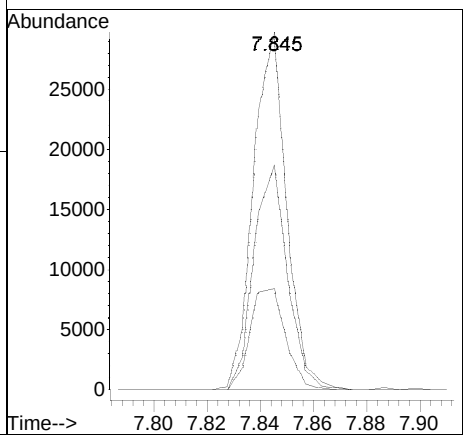


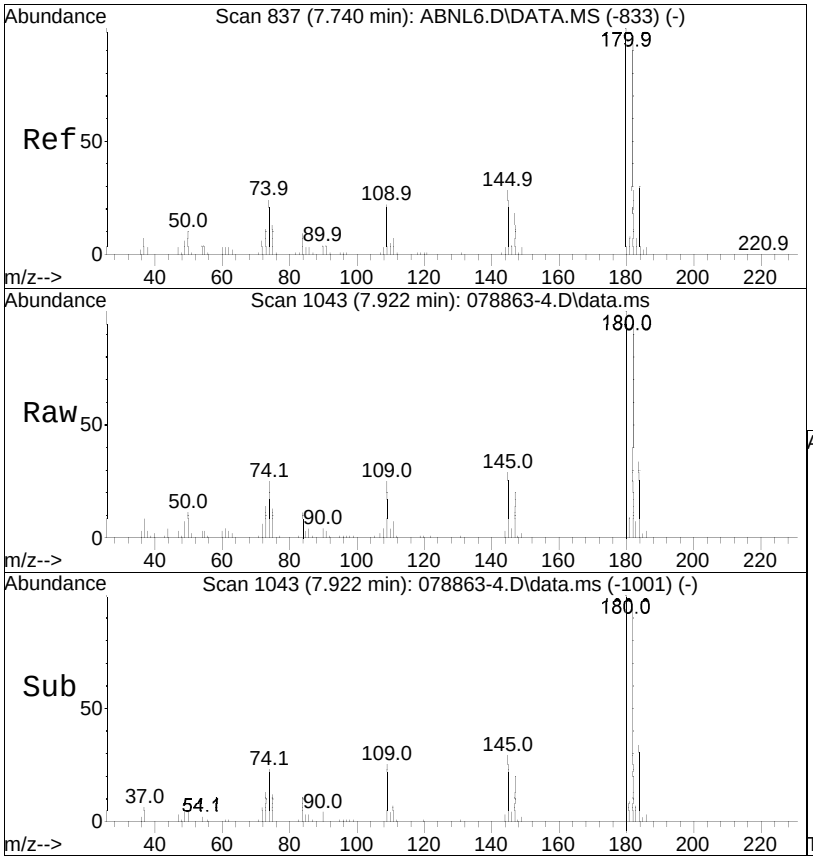


#25
2,4-Dichlorophenol
Concen: 1.55 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:162 Resp: 25520

Ion	Ratio	Lower	Upper
162	100		
164	63.9	51.0	76.4
98	30.6	32.2	48.2#

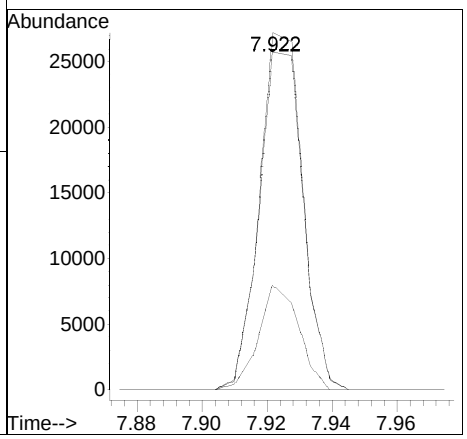


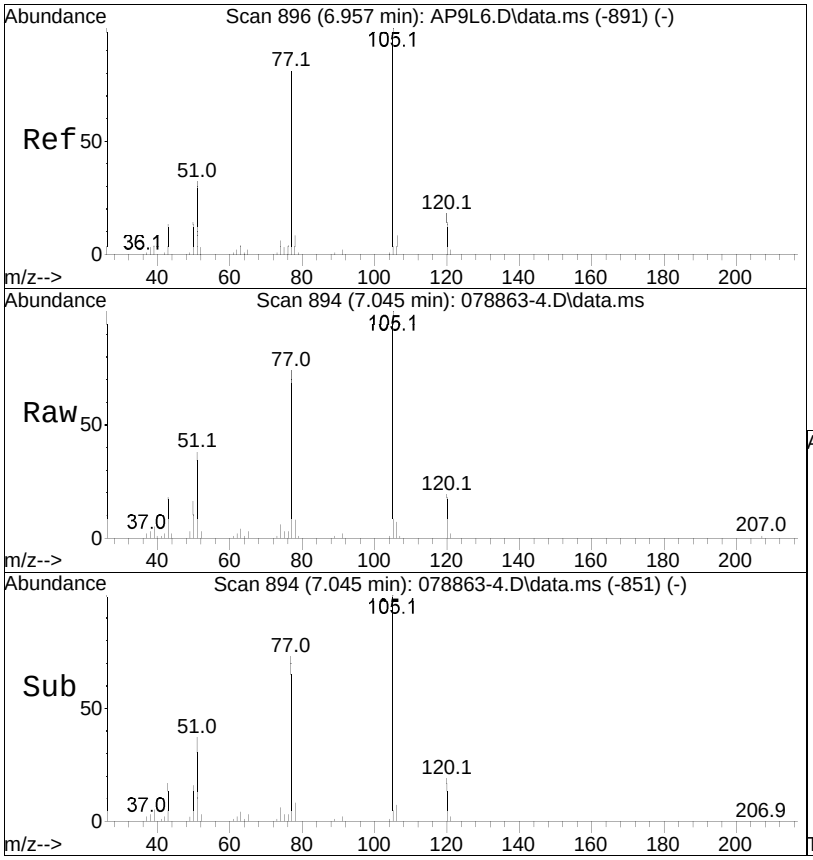


#26
1,2,4-Trichlorobenzene
Concen: 1.19 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:180 Resp: 25157

Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	27.4	25.7	38.5

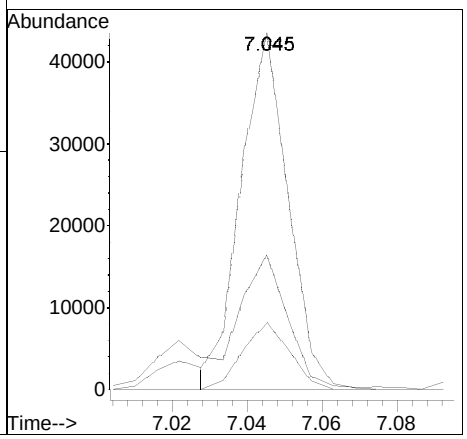


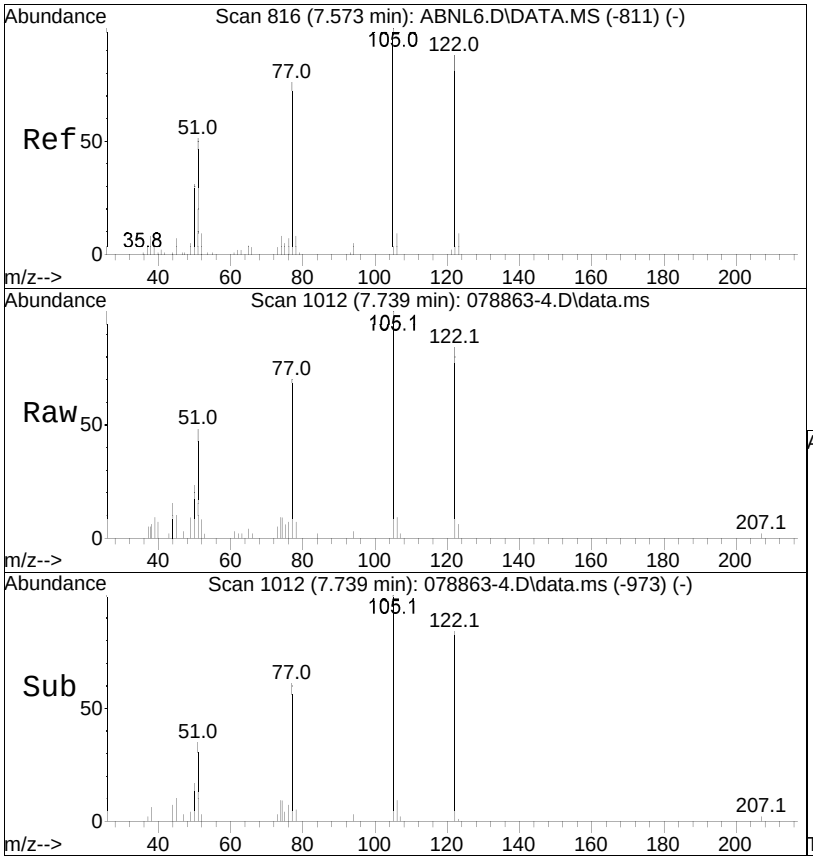


#29
Acetophenone
Concen: 1.60 ug/ml M6
RT: 7.045 min Scan# 894
Delta R.T. 0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:105 Resp: 37944

Ion	Ratio	Lower	Upper
105	100		
120	18.8	20.5	30.7#
51	53.9	34.9	52.3#

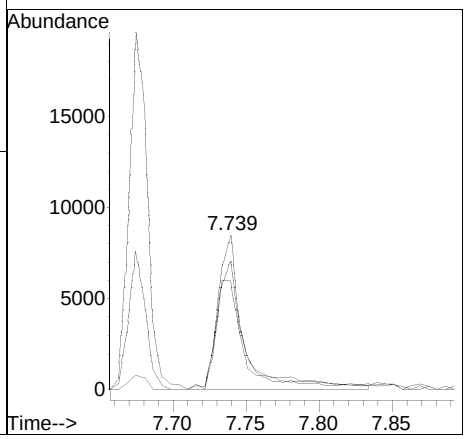


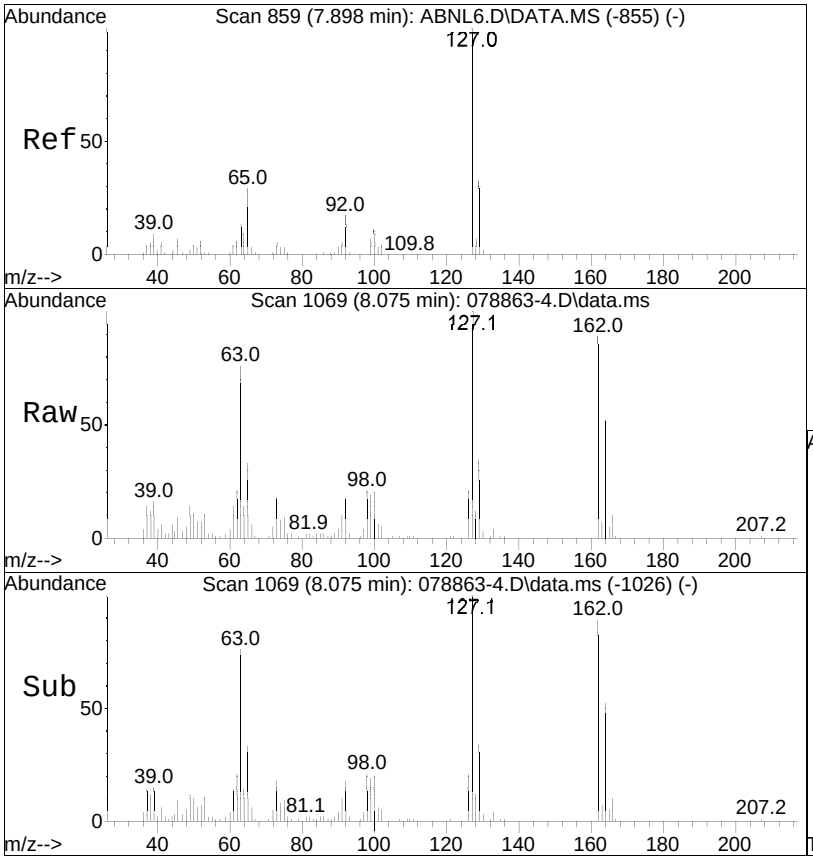


#37
Benzoic Acid
Concen: 1.67 ug/ml
RT: 7.739 min Scan# 1012
Delta R.T. -0.018 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:105 Resp: 10548

Ion	Ratio	Lower	Upper
105	100		
122	77.7	59.9	89.9
77	78.5	60.1	90.1

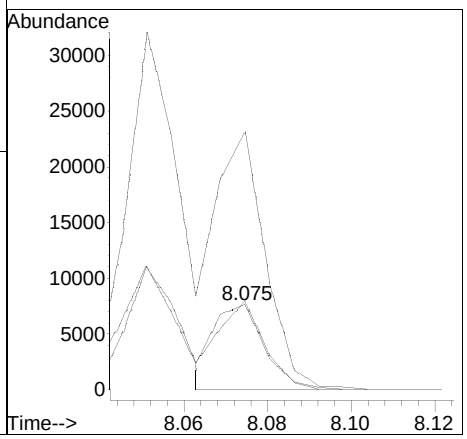


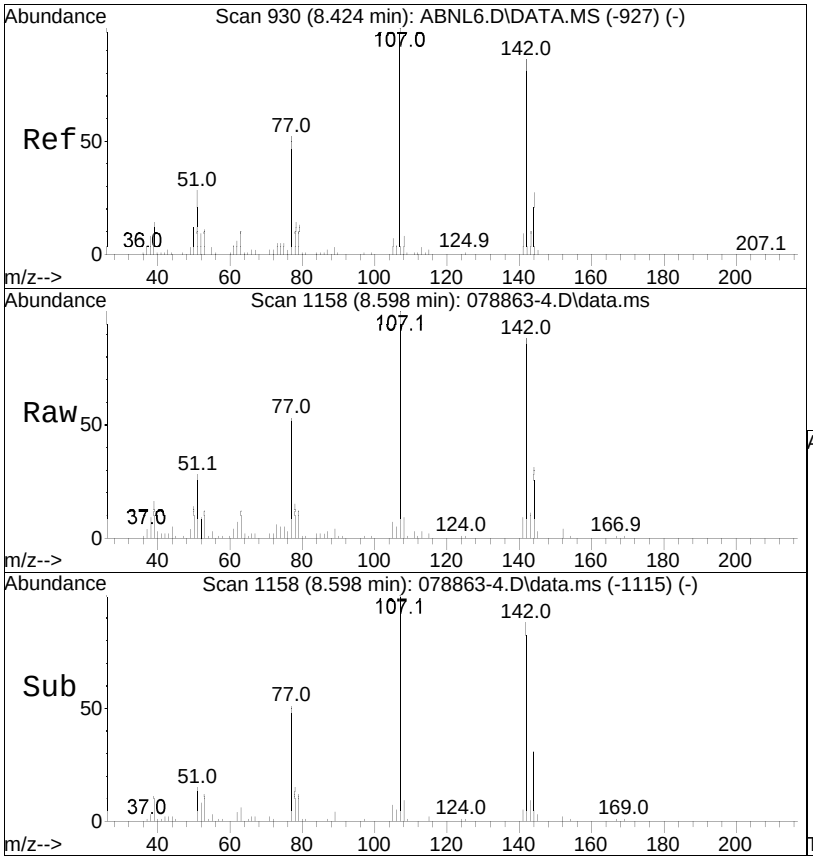


#38
4-Chloroaniline
Concen: 0.91 ug/ml
RT: 8.075 min Scan# 1069
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 65 Resp: 6348

Ion	Ratio	Lower	Upper
65	100		
127	299.6	237.6	356.4
129	95.1	76.3	114.5

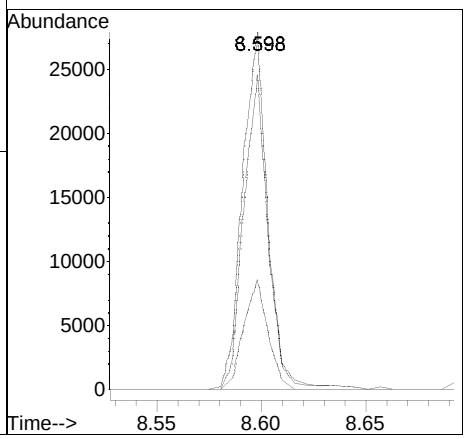


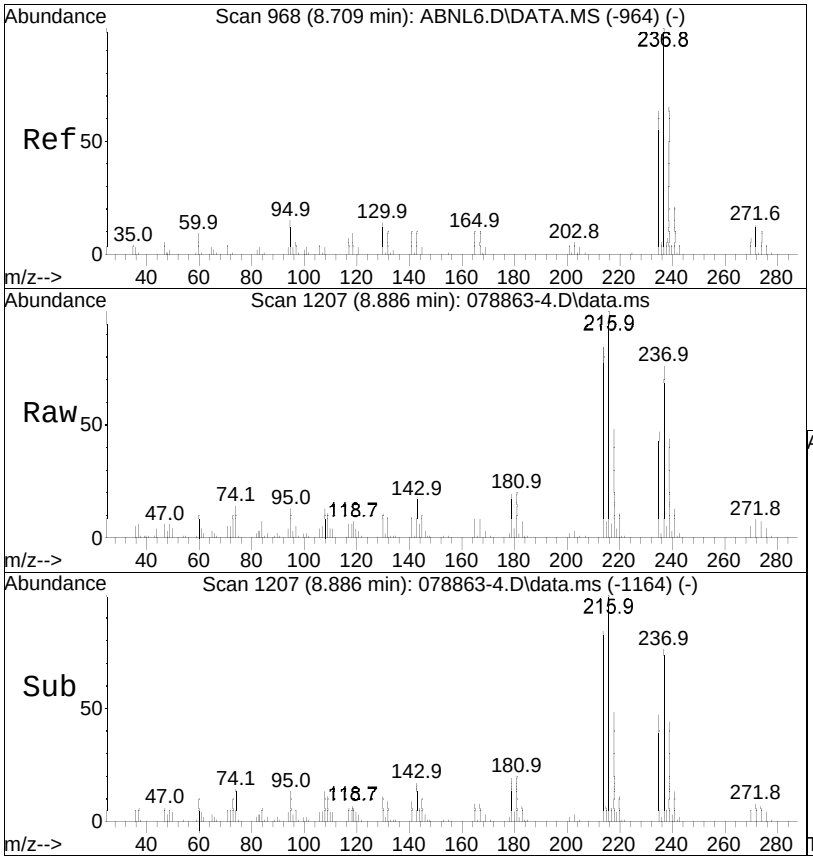


#40
p-Chloro-m-cresol
Concen: 1.34 ug/ml
RT: 8.598 min Scan# 1158
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:107 Resp: 23180

Ion	Ratio	Lower	Upper
107	100		
144	29.5	20.9	31.3
142	84.8	66.1	99.1

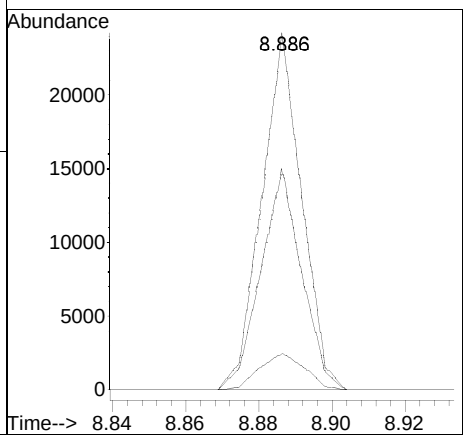


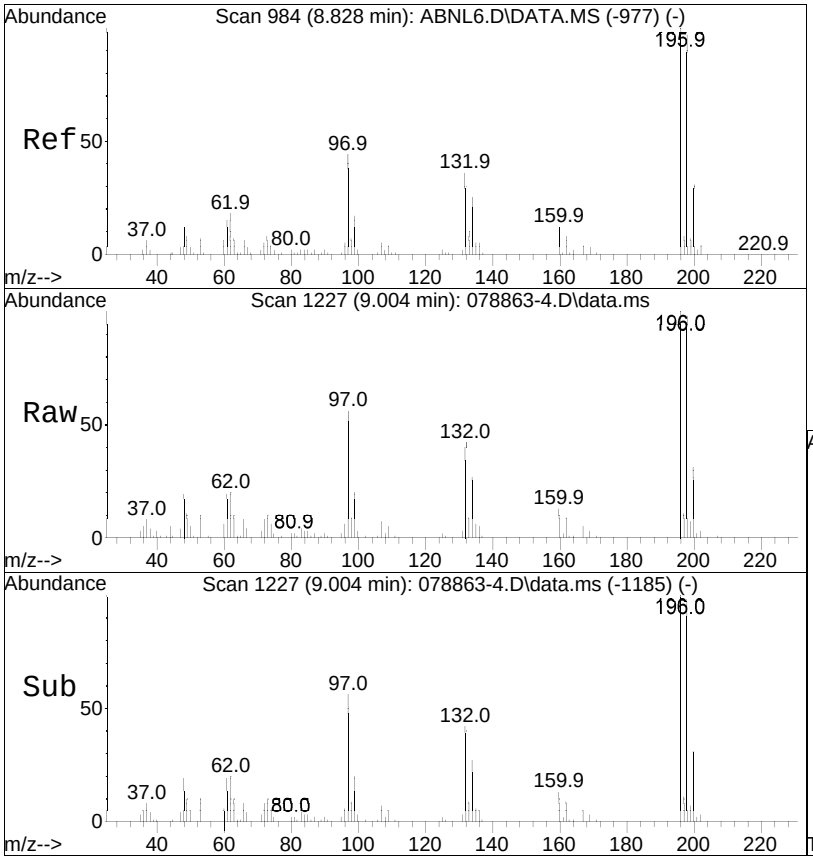


#43
Hexachlorocyclopentadiene
Concen: 1.14 ug/ml
RT: 8.886 min Scan# 1207
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:237 Resp: 18204

Ion	Ratio	Lower	Upper
237	100		
235	63.3	49.7	74.5
272	11.8	9.8	14.6

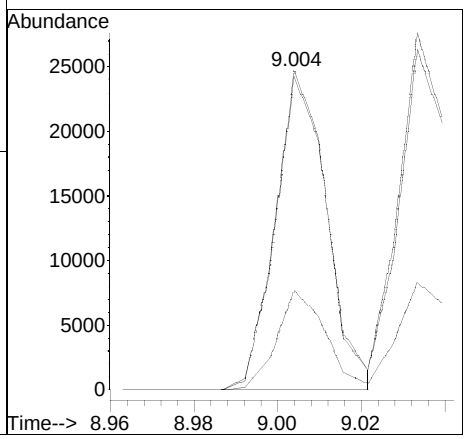


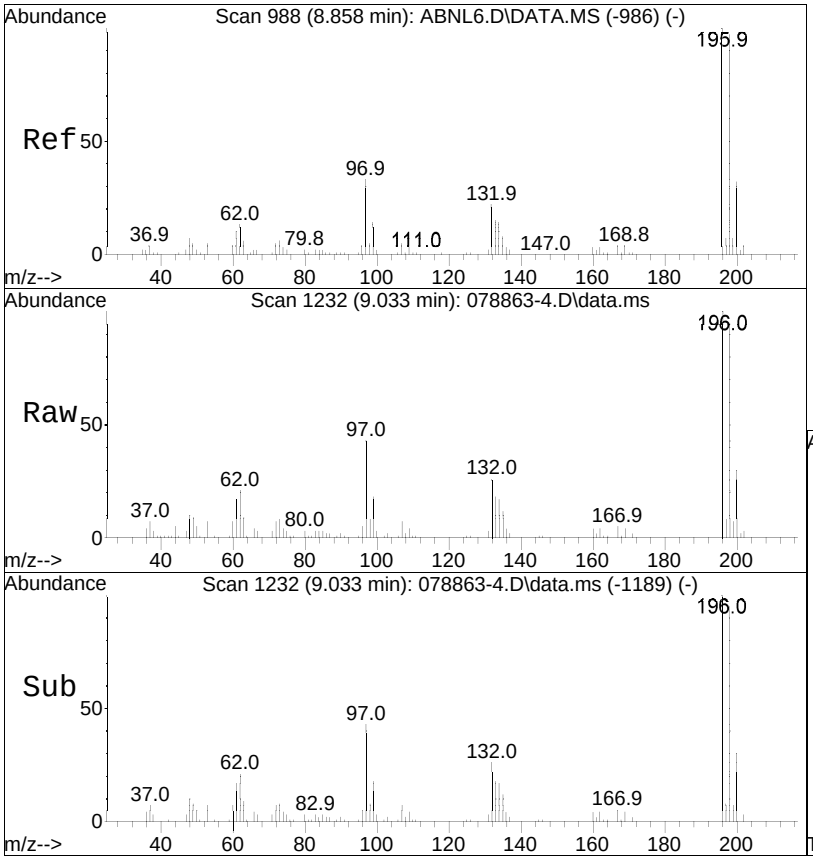


#44
2,4,6-Trichlorophenol
Concen: 1.57 ug/ml
RT: 9.004 min Scan# 1227
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:196 Resp: 21041

Ion	Ratio	Lower	Upper
196	100		
198	99.3	77.5	116.3
200	29.9	23.8	35.6

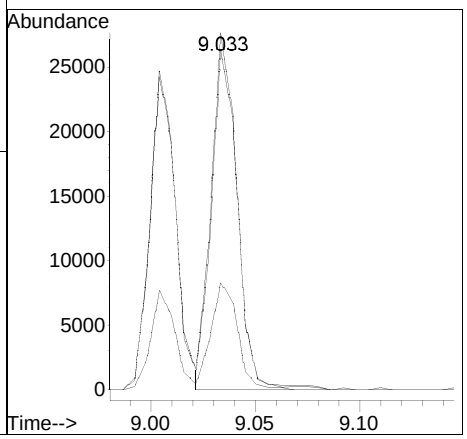


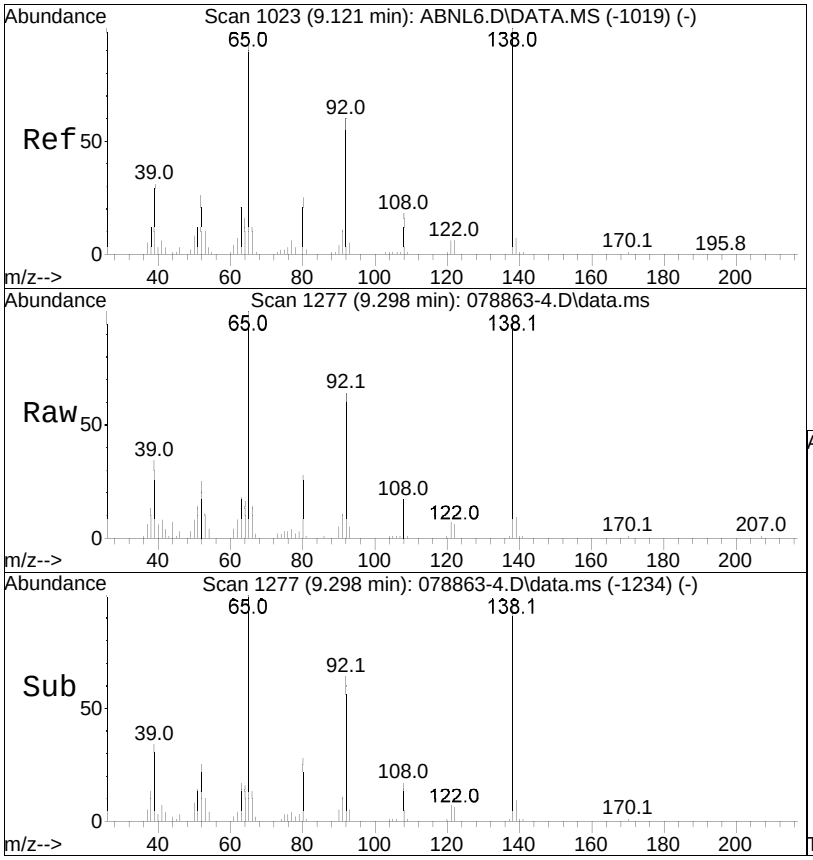


#45
2,4,5-Trichlorophenol
Concen: 1.75 ug/ml
RT: 9.033 min Scan# 1232
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:196 Resp: 23742

Ion	Ratio	Lower	Upper
196	100		
200	30.7	25.4	38.0
198	95.2	78.0	117.0

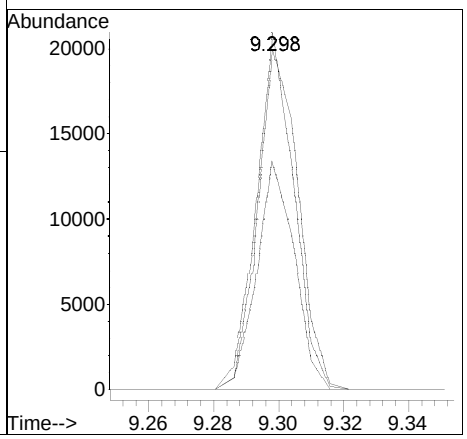


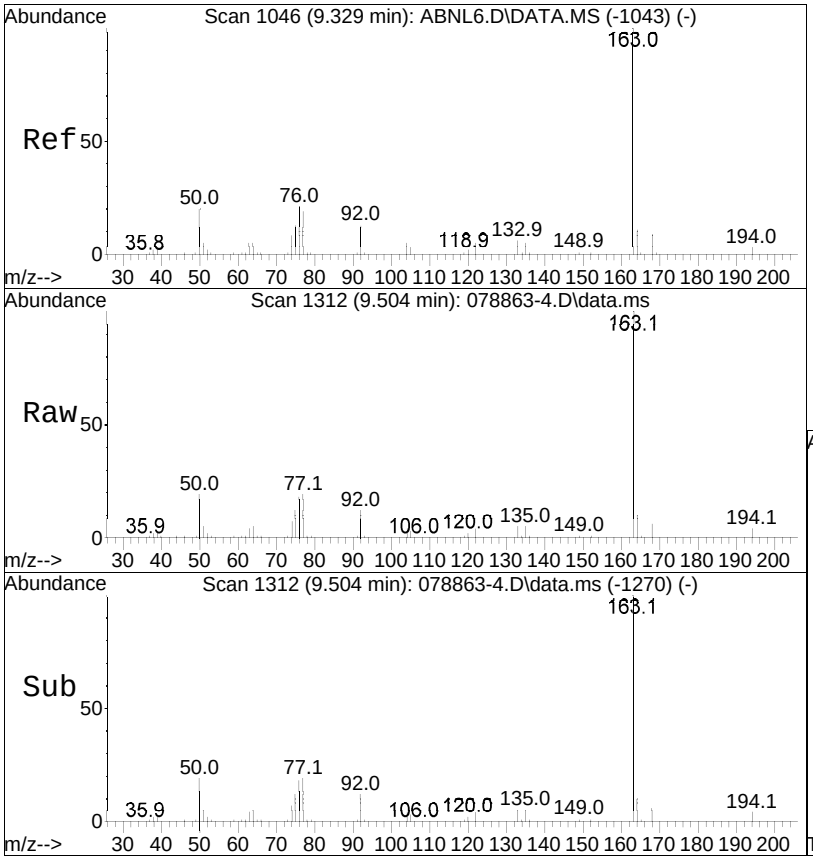


#48
2-Nitroaniline
Concen: 1.92 ug/ml
RT: 9.298 min Scan# 1277
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:138 Resp: 17042

Ion	Ratio	Lower	Upper
138	100		
92	62.8	53.5	80.3
65	97.3	86.3	129.5

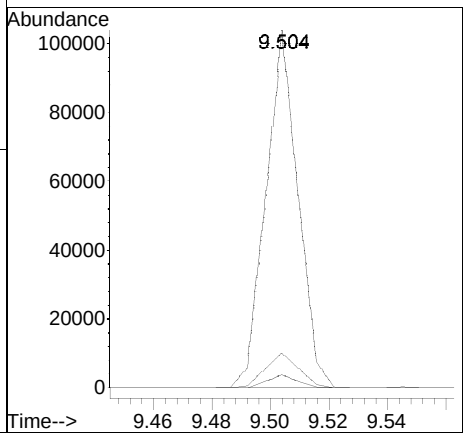


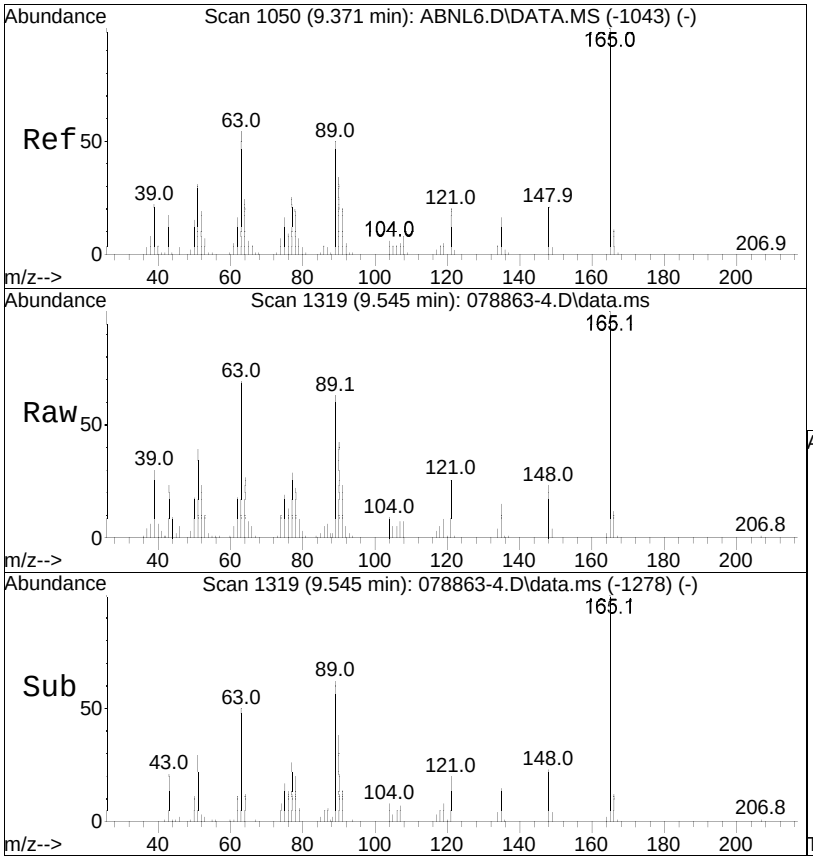


#51
Dimethyl phthalate
Concen: 1.62 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:163 Resp: 78309

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.5	5.3#
164	10.2	7.9	11.9

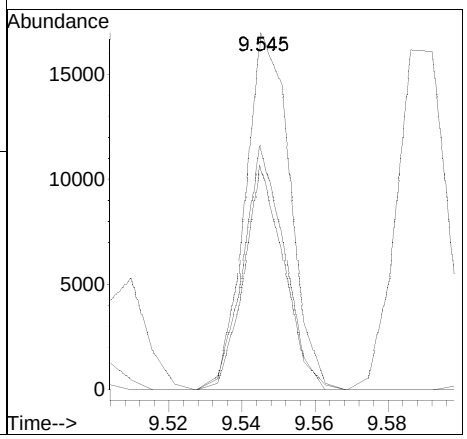


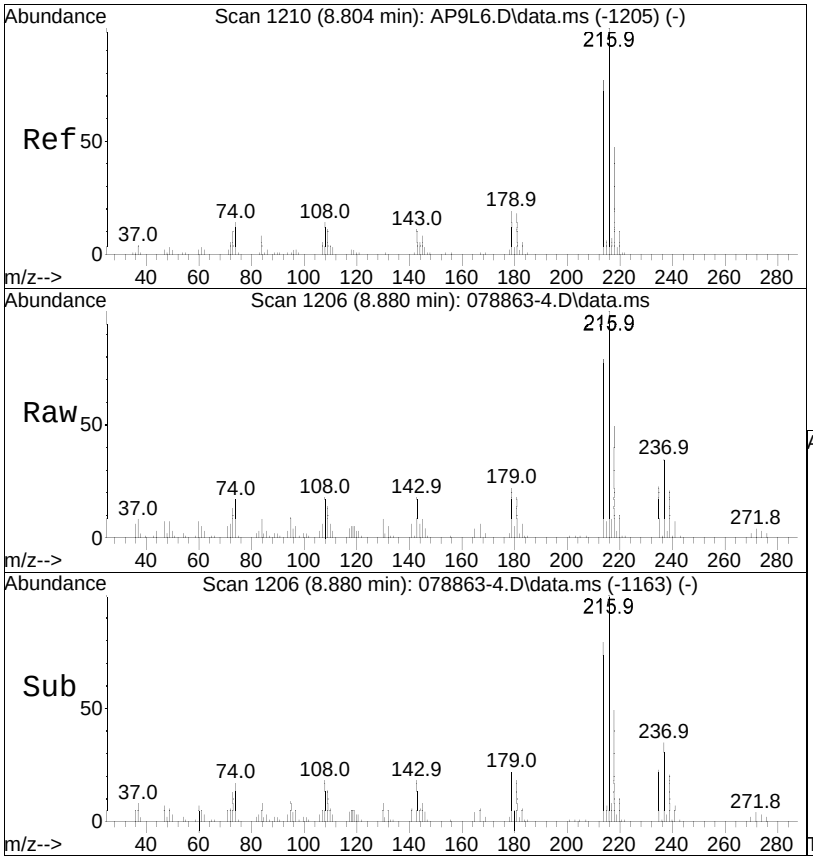


#53
2,6-Dinitrotoluene
Concen: 1.81 ug/ml
RT: 9.545 min Scan# 1319
Delta R.T. -0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:165 Resp: 14495

Ion	Ratio	Lower	Upper
165	100		
89	56.3	54.2	81.2
63	62.9	64.2	96.2#

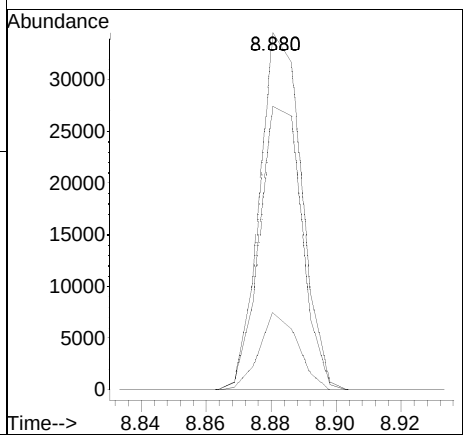


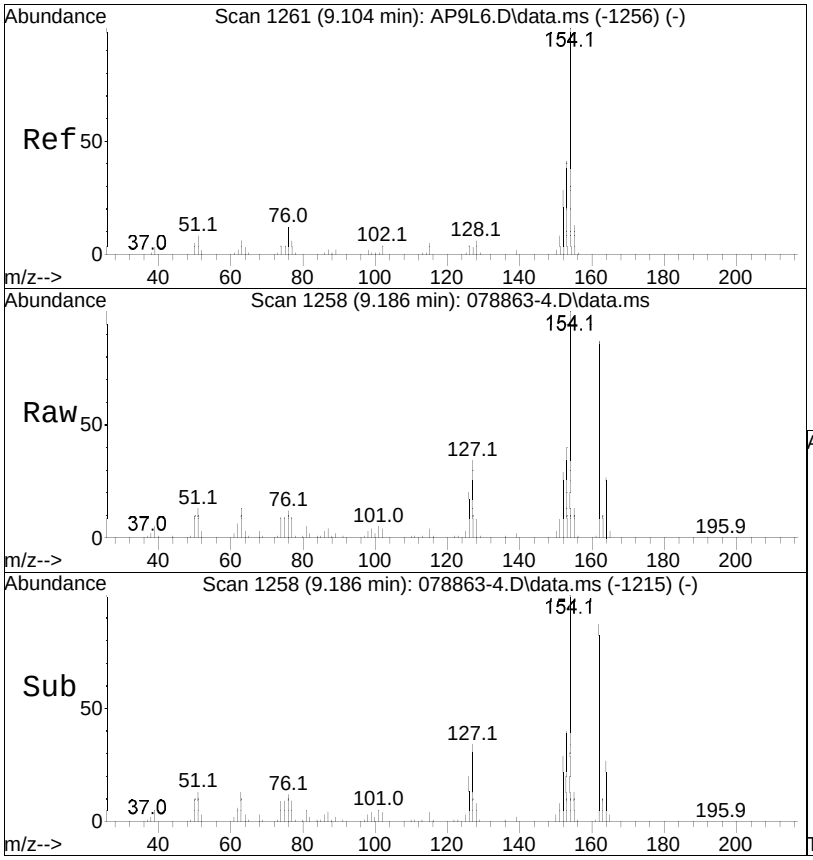


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.44 ug/ml
RT: 8.880 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:216 Resp: 30876

Ion	Ratio	Lower	Upper
216	100		
214	80.5	63.7	95.5
179	20.0	19.0	28.6

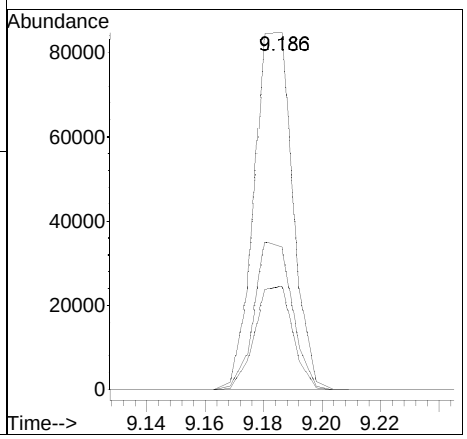


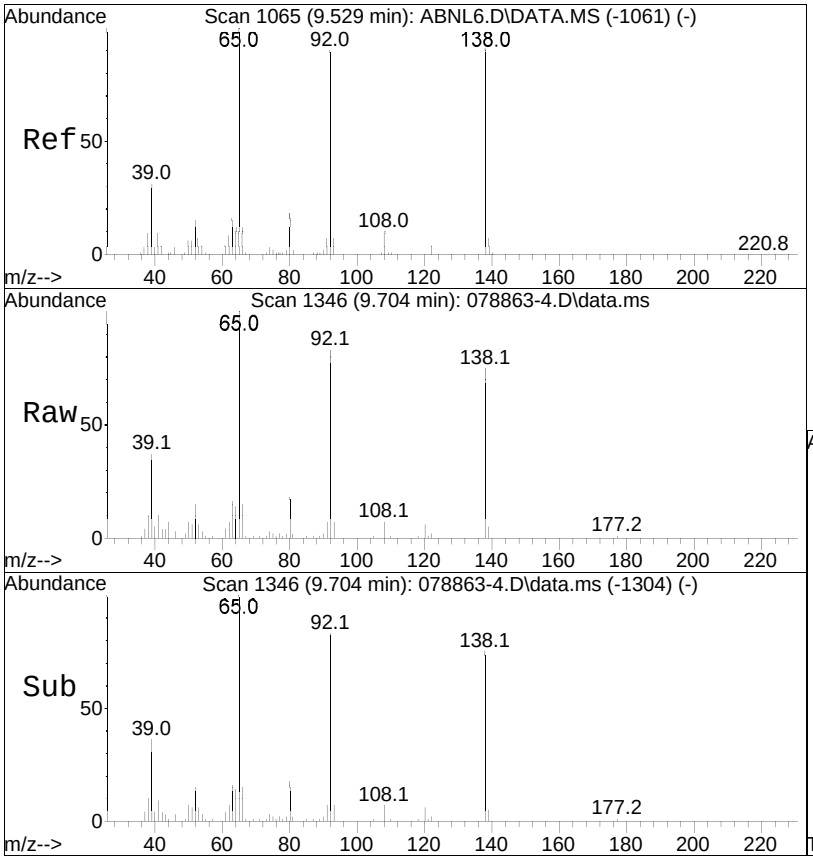


#62
Biphenyl
Concen: 1.64 ug/ml
RT: 9.186 min Scan# 1258
Delta R.T. 0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:154 Resp: 77441

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.3	48.5
152	28.7	22.5	33.7

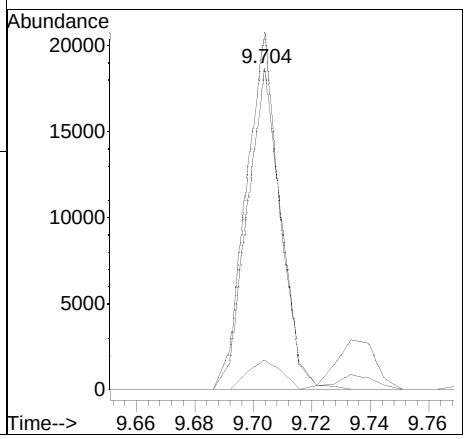


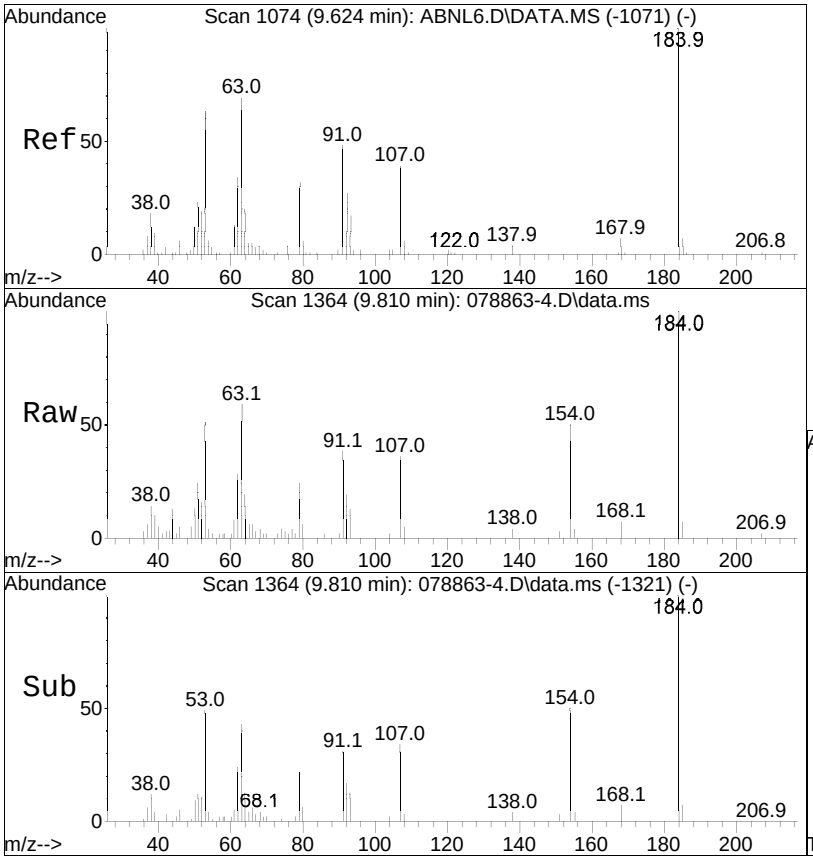


#64
3-Nitroaniline
Concen: 1.65 ug/ml
RT: 9.704 min Scan# 1346
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:138 Resp: 14900

Ion	Ratio	Lower	Upper
138	100		
92	110.1	93.4	140.2
108	9.1	9.5	14.3#

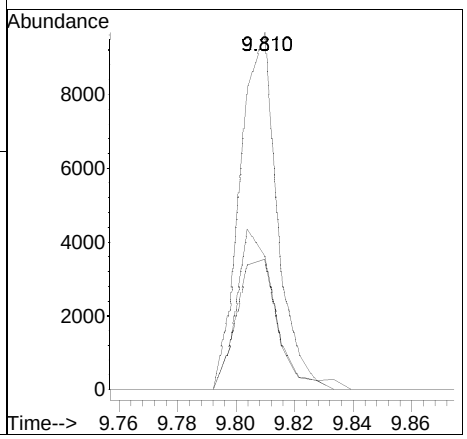


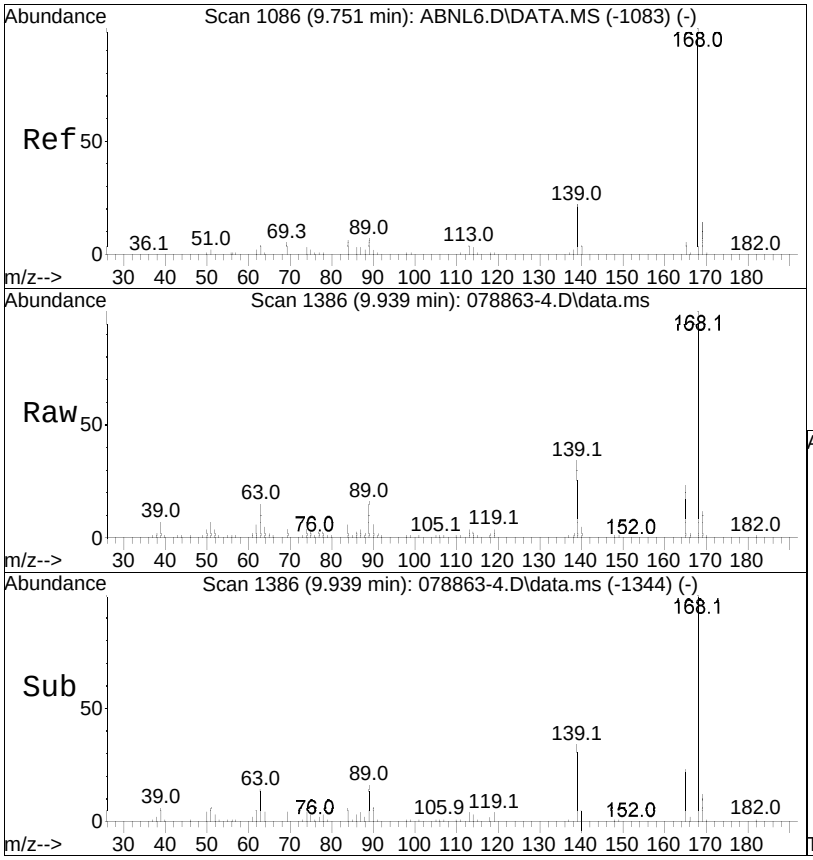


#66
2,4-Dinitrophenol
Concen: 1.95 ug/ml
RT: 9.810 min Scan# 1364
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:184 Resp: 8626

Ion	Ratio	Lower	Upper
184	100		
107	40.1	37.7	56.5
91	44.8	46.3	69.5#

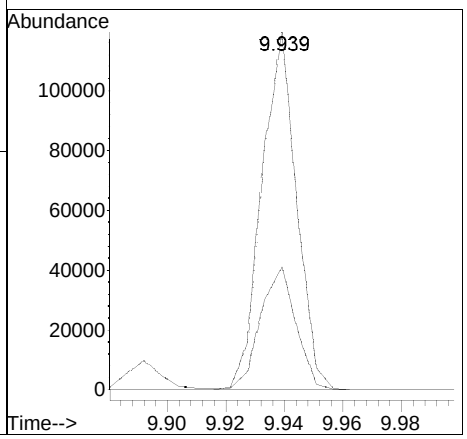


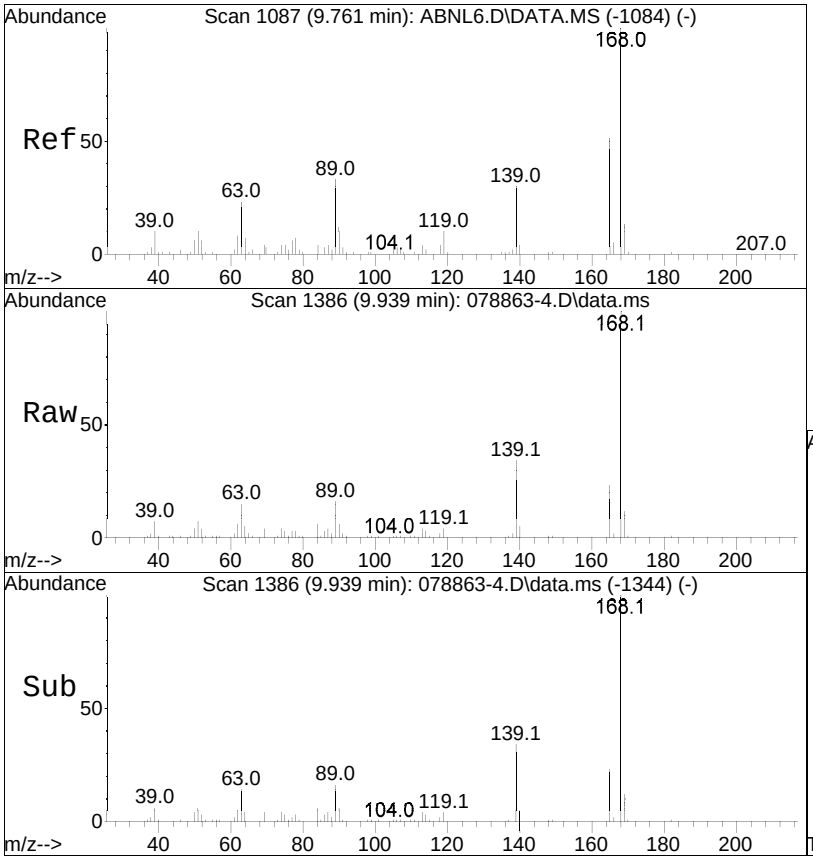


#67
Dibenzofuran
Concen: 1.43 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:168 Resp: 97838

Ion	Ratio	Lower	Upper
168	100		
139	35.3	31.4	47.2

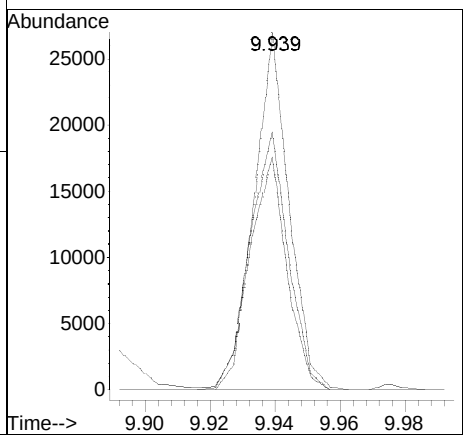


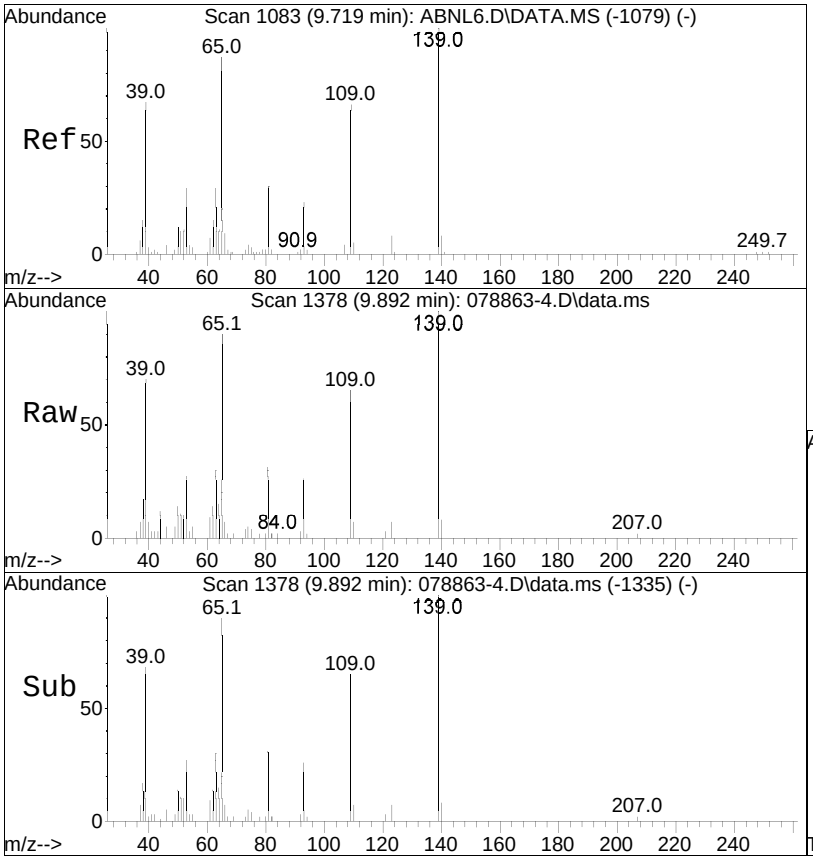


#68
2,4-Dinitrotoluene
Concen: 1.69 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:165 Resp: 19867

Ion	Ratio	Lower	Upper
165	100		
89	79.7	72.0	108.0
63	70.7	52.7	79.1

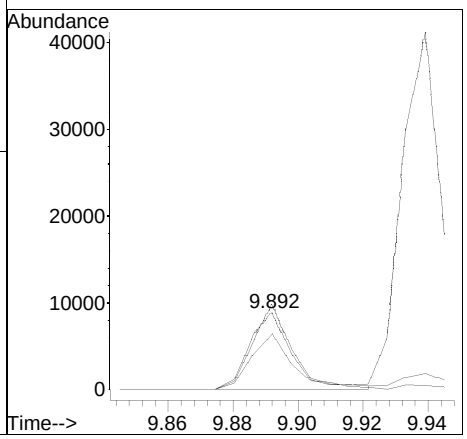


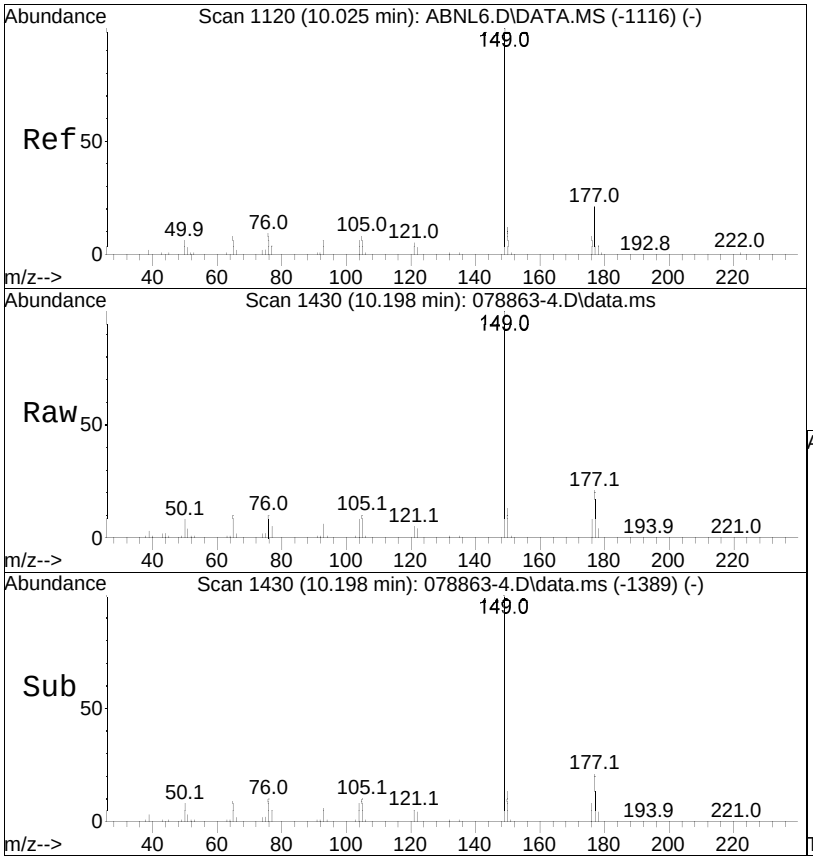


#69
4-Nitrophenol
Concen: 1.18 ug/ml
RT: 9.892 min Scan# 1378
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion: 65 Resp: 8106

Ion	Ratio	Lower	Upper
65	100		
109	71.8	47.4	71.2#
139	101.9	76.6	115.0

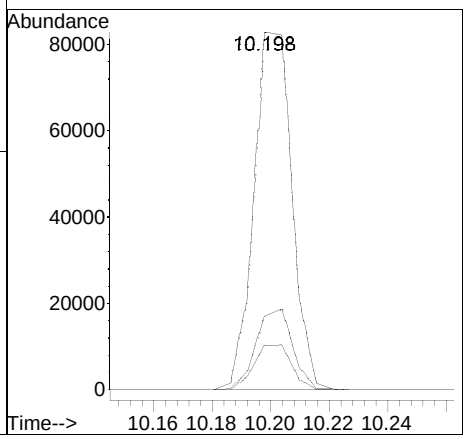


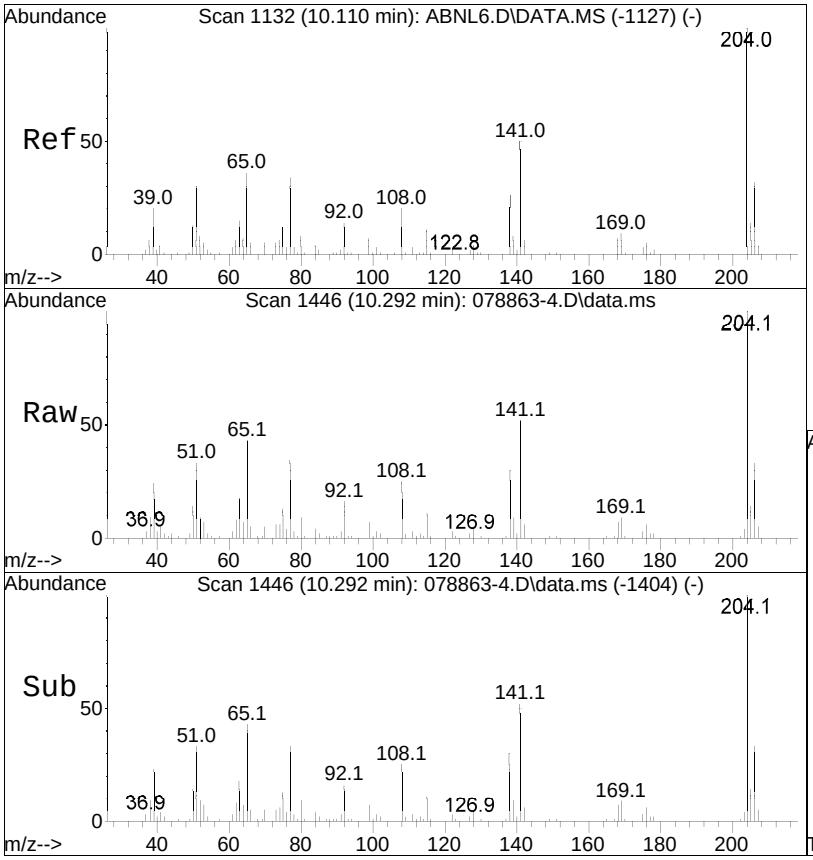


#72
Diethyl phthalate
Concen: 1.52 ug/ml
RT: 10.198 min Scan# 1430
Delta R.T. -0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:149 Resp: 73909

Ion	Ratio	Lower	Upper
149	100		
177	22.0	16.1	24.1
150	12.7	9.4	14.2

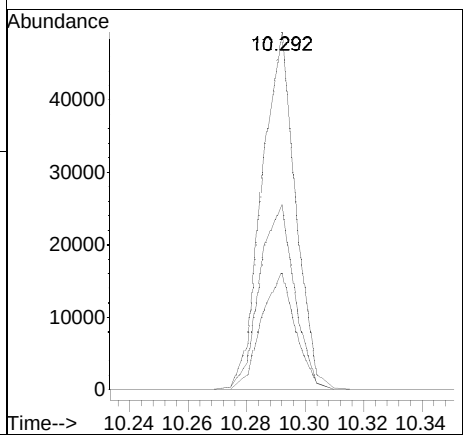


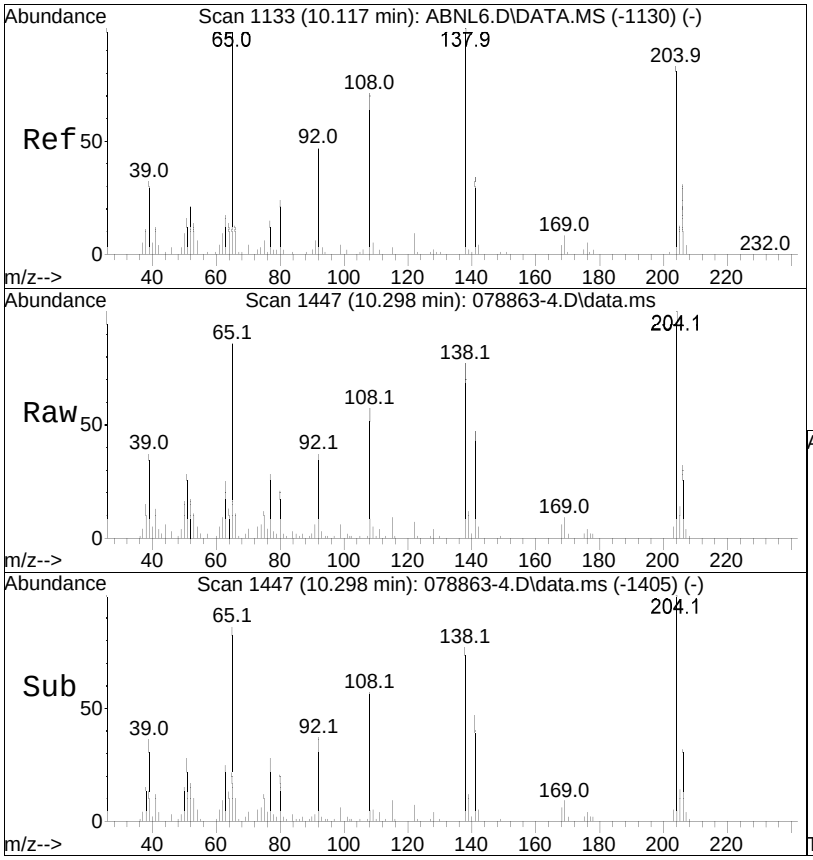


#74
4-Chlorophenyl phenyl ether
Concen: 1.48 ug/ml
RT: 10.292 min Scan# 1446
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:204 Resp: 39094

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.8	38.6
141	53.7	53.6	80.4

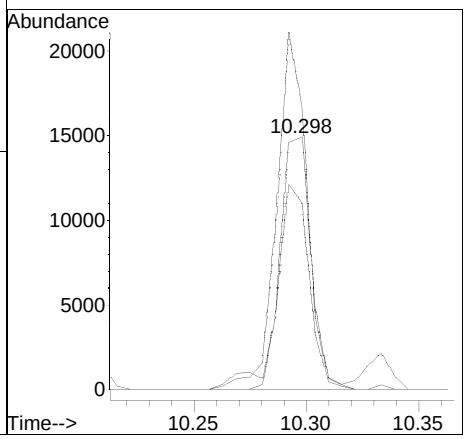


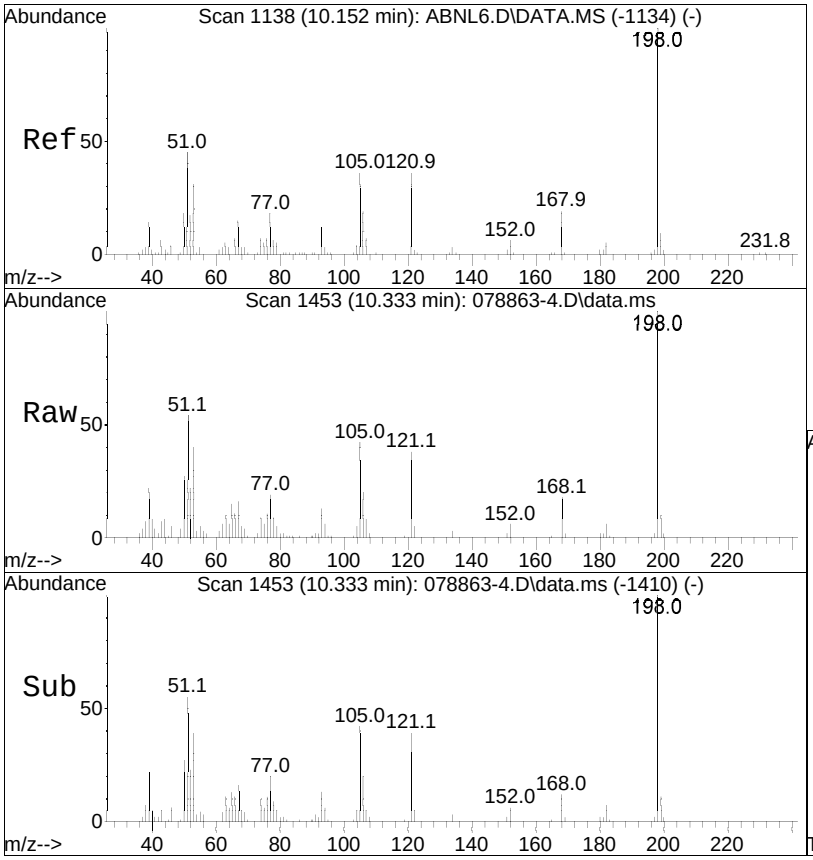


#75
4-Nitroaniline
Concen: 1.70 ug/ml
RT: 10.298 min Scan# 1447
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:138 Resp: 14960

Ion	Ratio	Lower	Upper
138	100		
108	74.8	52.1	78.1
65	130.3	115.0	172.6

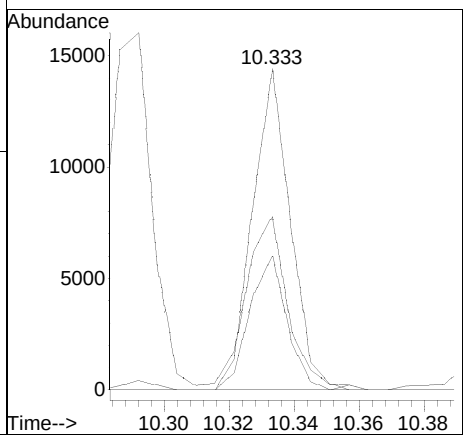


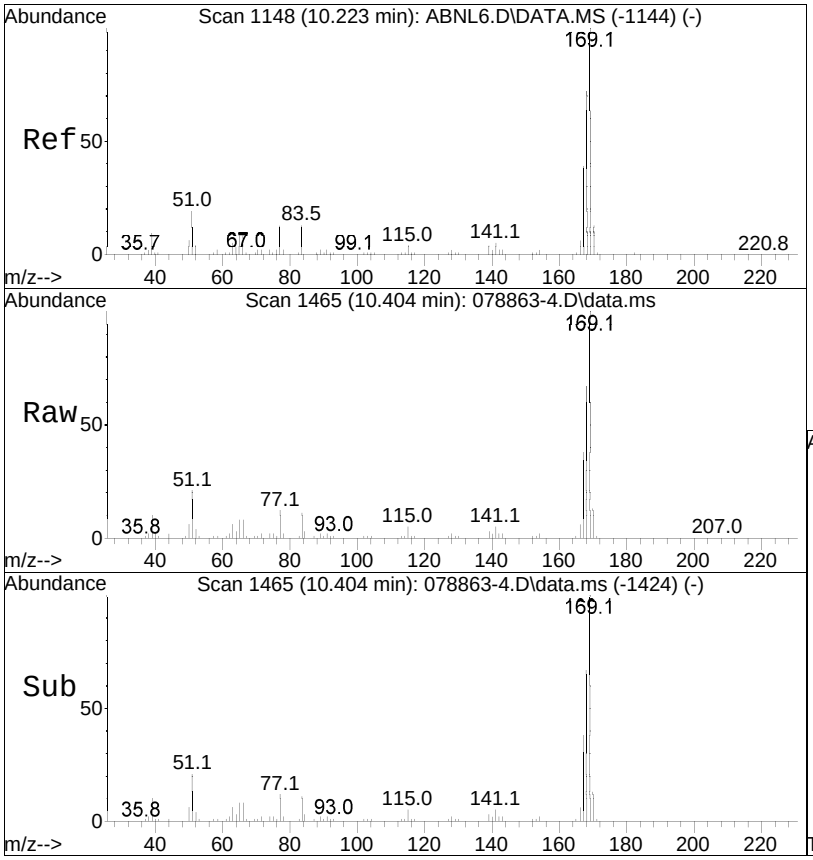


#76
4,6-Dinitro-o-cresol
Concen: 1.84 ug/ml
RT: 10.333 min Scan# 1453
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:198 Resp: 11599

Ion	Ratio	Lower	Upper
198	100		
51	60.8	76.0	114.0#
105	41.9	45.6	68.4#

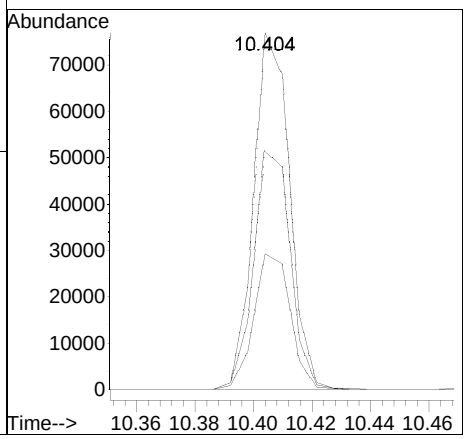


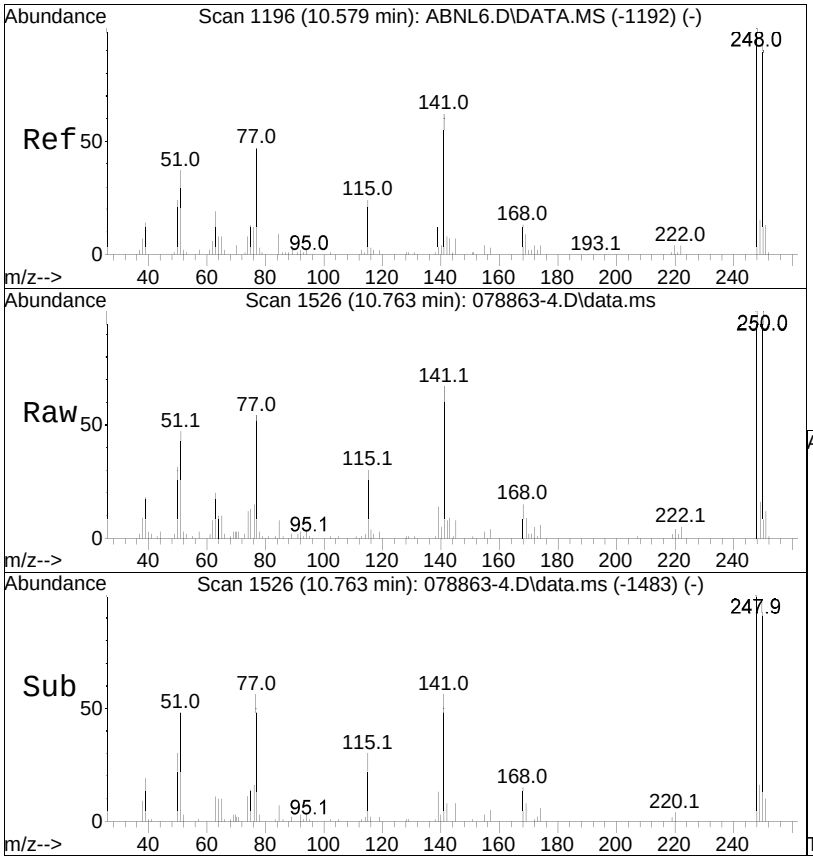


#77
NDPA/DPA
Concen: 1.56 ug/ml
RT: 10.404 min Scan# 1465
Delta R.T. -0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:169 Resp: 65480

Ion	Ratio	Lower	Upper
169	100		
168	68.8	54.0	81.0
167	39.0	28.6	42.8

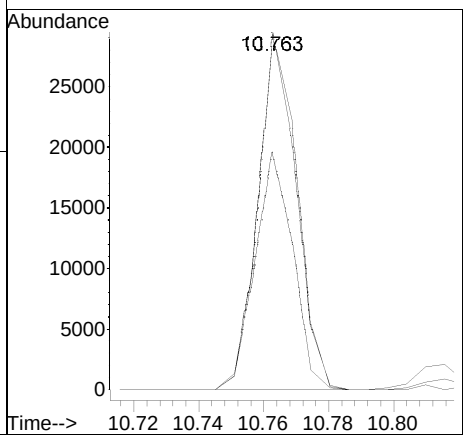


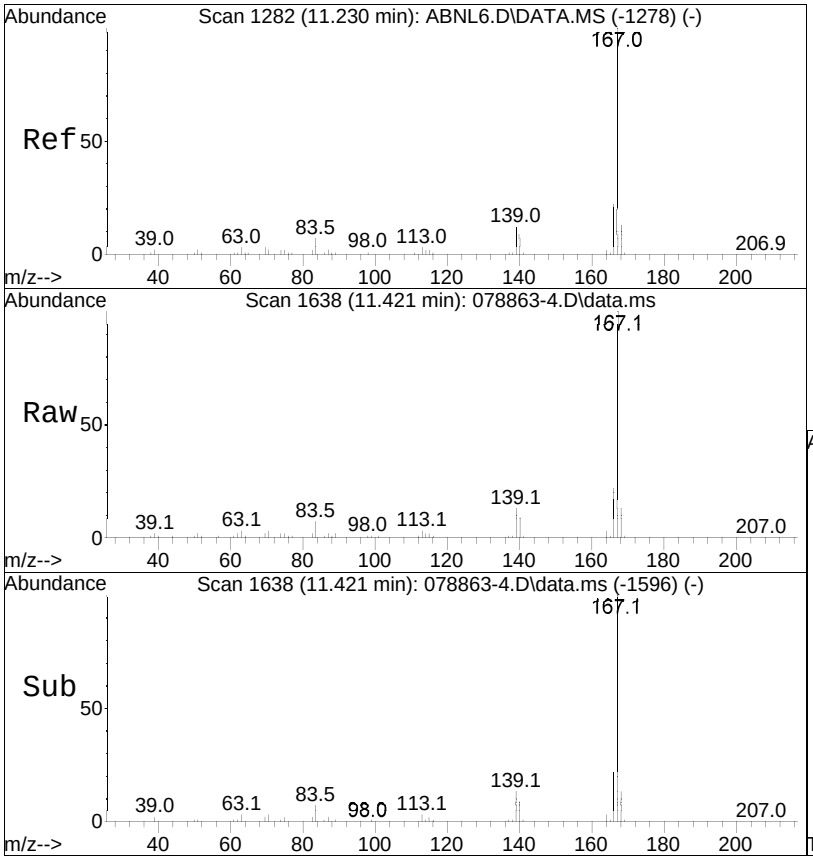


#80
4-Bromophenyl phenyl ether
Concen: 1.47 ug/ml
RT: 10.763 min Scan# 1526
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:248 Resp: 24267

Ion	Ratio	Lower	Upper
248	100		
141	64.8	76.6	114.8#
250	97.7	77.3	115.9

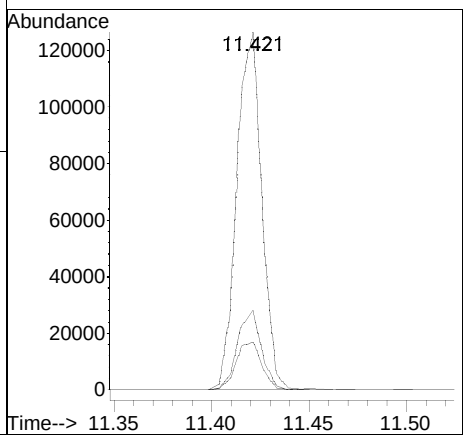


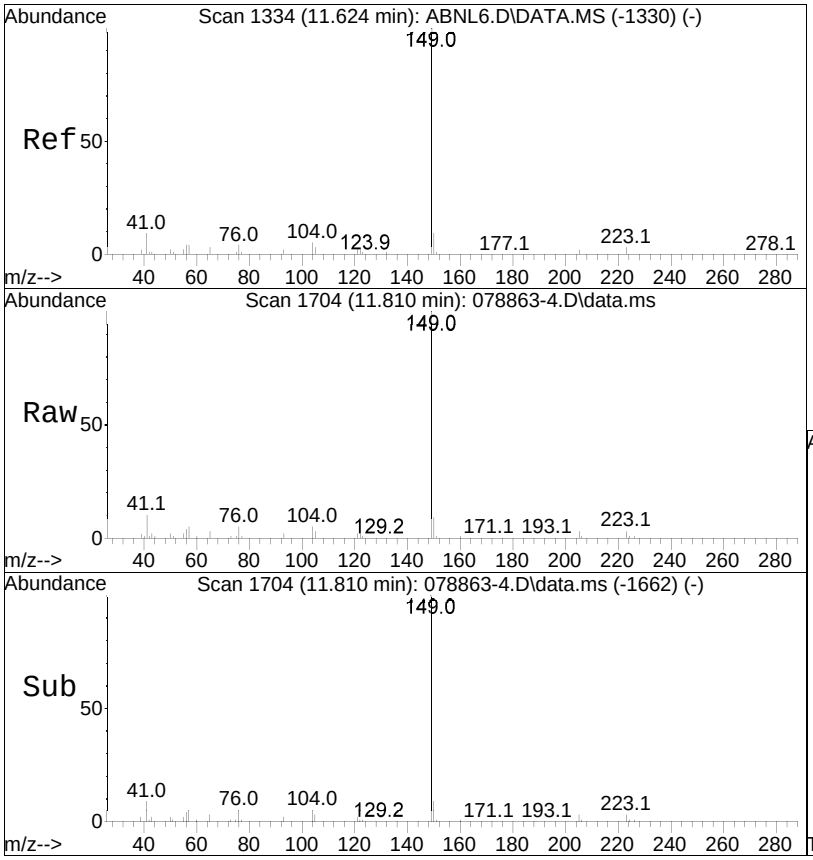


#91
Carbazole
Concen: 1.56 ug/ml
RT: 11.421 min Scan# 1638
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:167 Resp: 111511

Ion	Ratio	Lower	Upper
167	100		
168	13.9	10.6	15.8
166	21.4	17.4	26.0

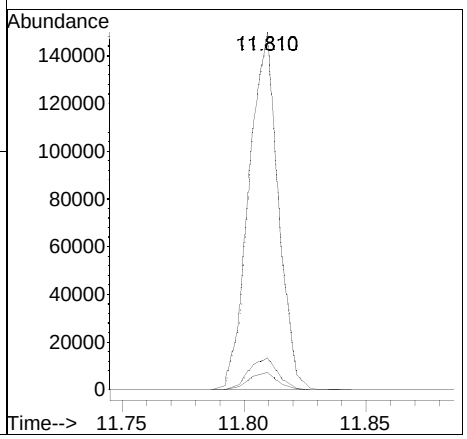


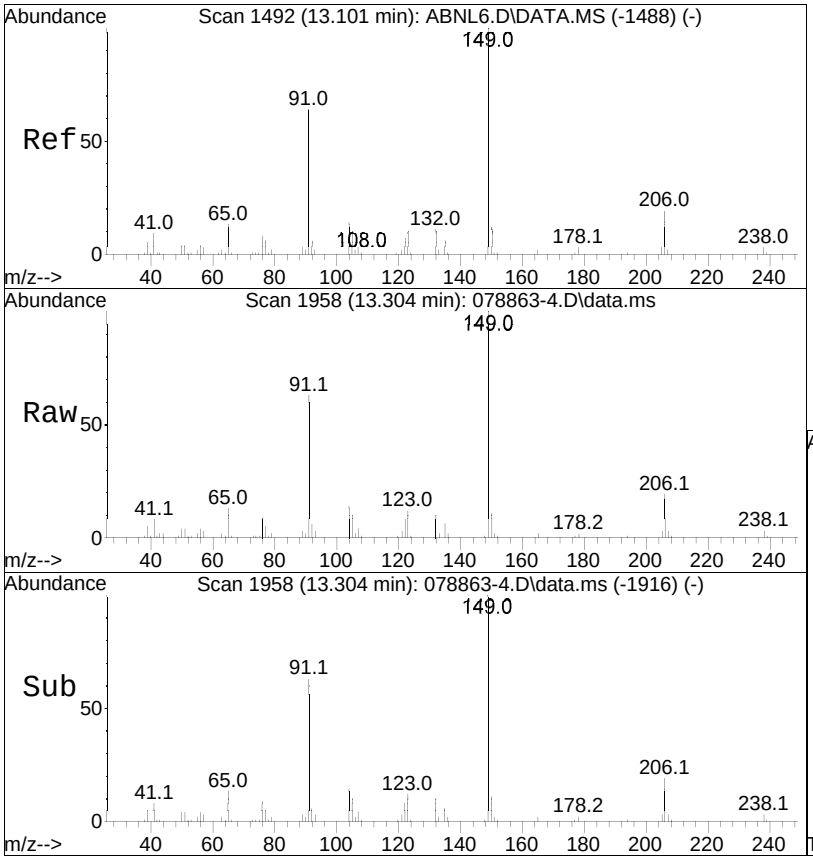


#92
Di-n-butylphthalate
Concen: 1.53 ug/ml
RT: 11.810 min Scan# 1704
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:149 Resp: 123964

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.0	10.6
104	4.9	4.5	6.7

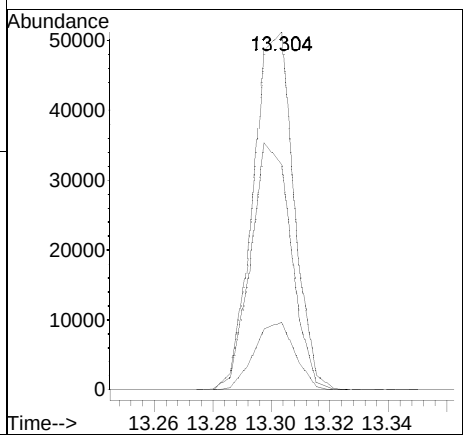


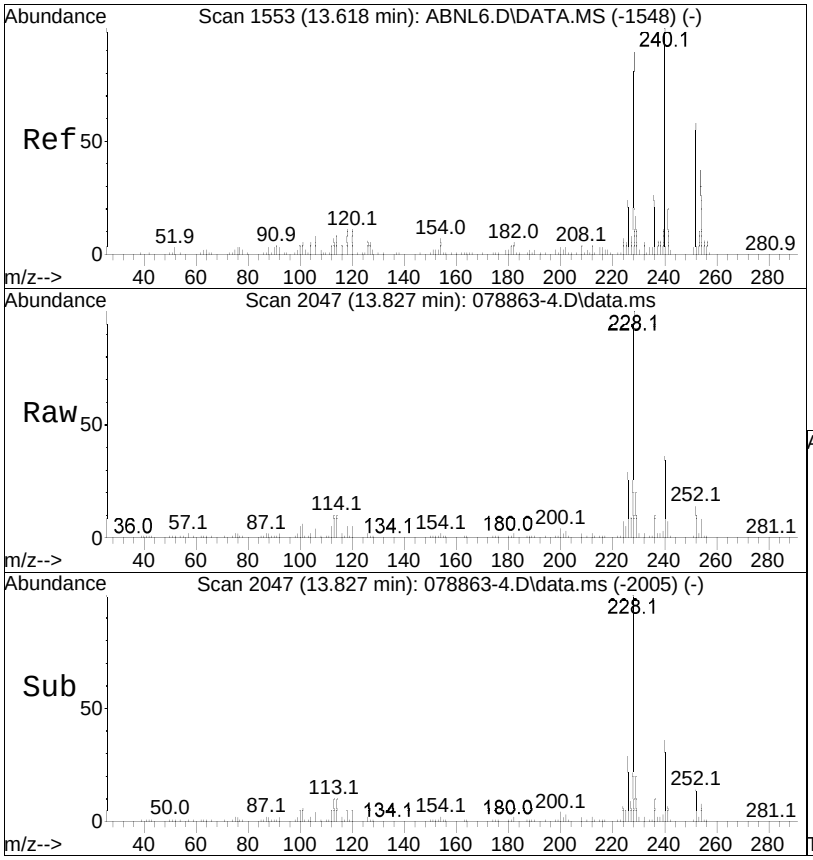


#97
Butyl benzyl phthalate
Concen: 1.61 ug/ml
RT: 13.304 min Scan# 1958
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:149 Resp: 49167

Ion	Ratio	Lower	Upper
149	100		
91	68.8	63.3	94.9
206	19.1	13.9	20.9

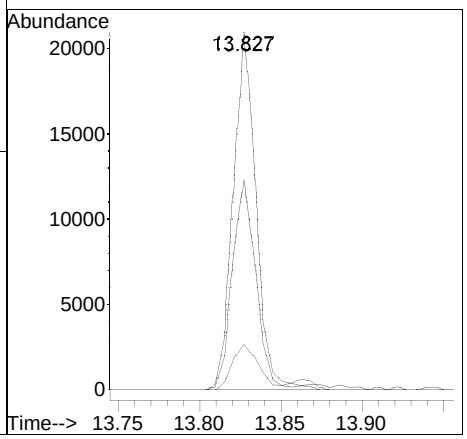


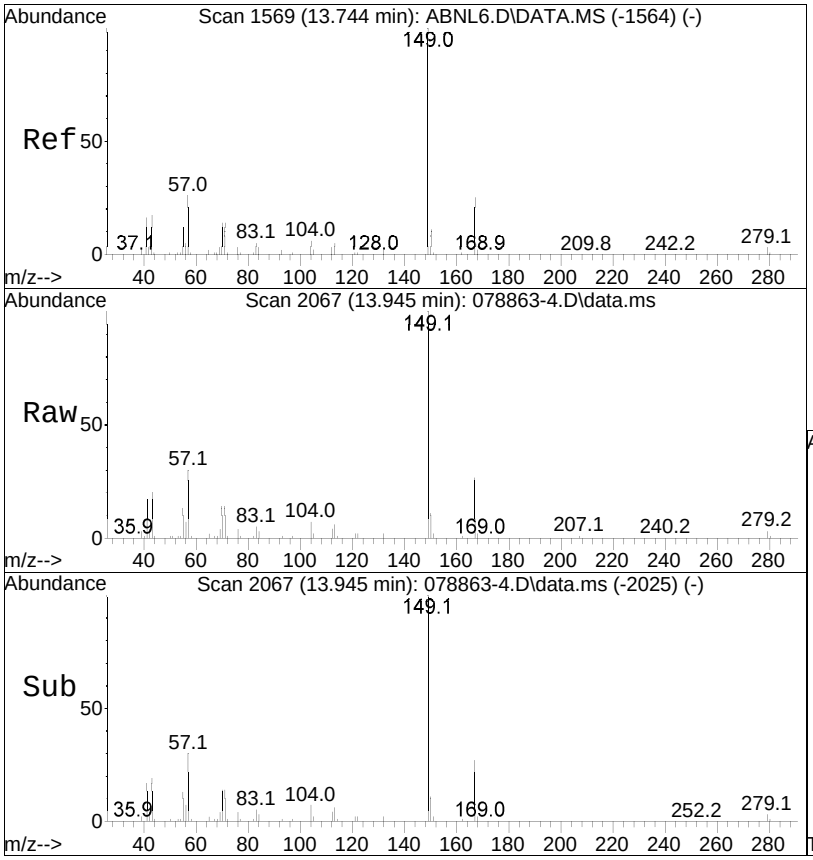


#106
3,3'-Dichlorobenzidine
Concen: 0.67 ug/ml
RT: 13.827 min Scan# 2047
Delta R.T. -0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:252 Resp: 20808

Ion	Ratio	Lower	Upper
252	100		
126	14.8	14.5	21.7
254	59.9	51.2	76.8

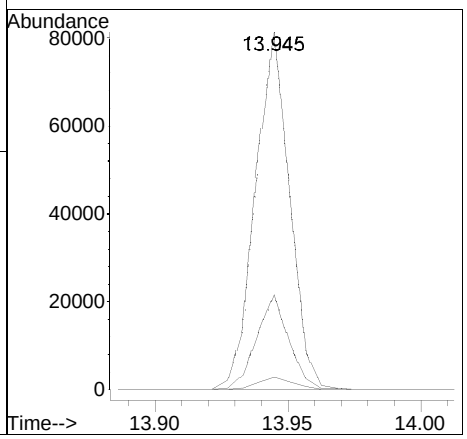


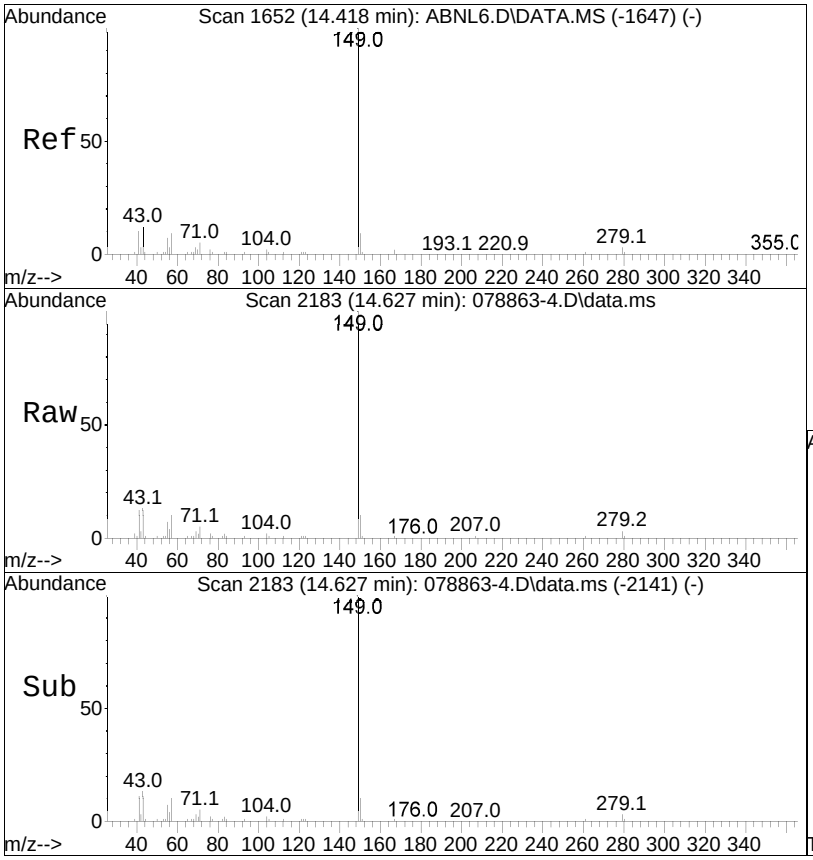


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.49 ug/ml
RT: 13.945 min Scan# 2067
Delta R.T. -0.000 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:149 Resp: 72097

Ion	Ratio	Lower	Upper
149	100		
167	25.2	22.1	33.1
279	3.3	3.0	4.4

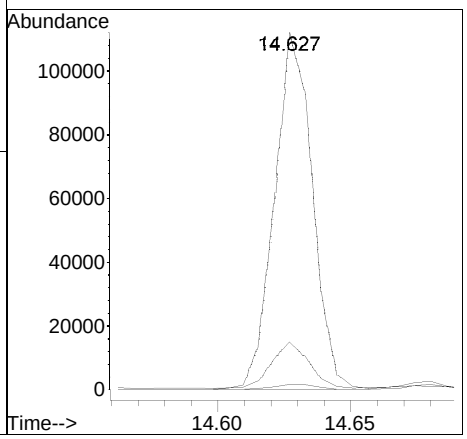




#109
Di-n-octylphthalate
Concen: 1.56 ug/ml
RT: 14.627 min Scan# 2183
Delta R.T. -0.006 min
Lab File: 078863-4.D
Acq: 16 Jun 2025 2:48 am

Tgt Ion:149 Resp: 109960

Ion	Ratio	Lower	Upper
149	100		
43	13.0	18.8	28.2#
167	1.4	1.3	1.9

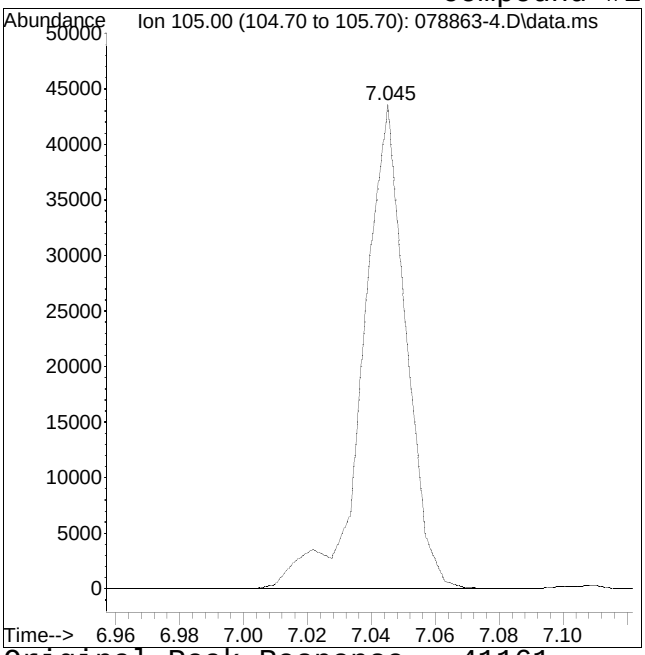


Manual Integration Report

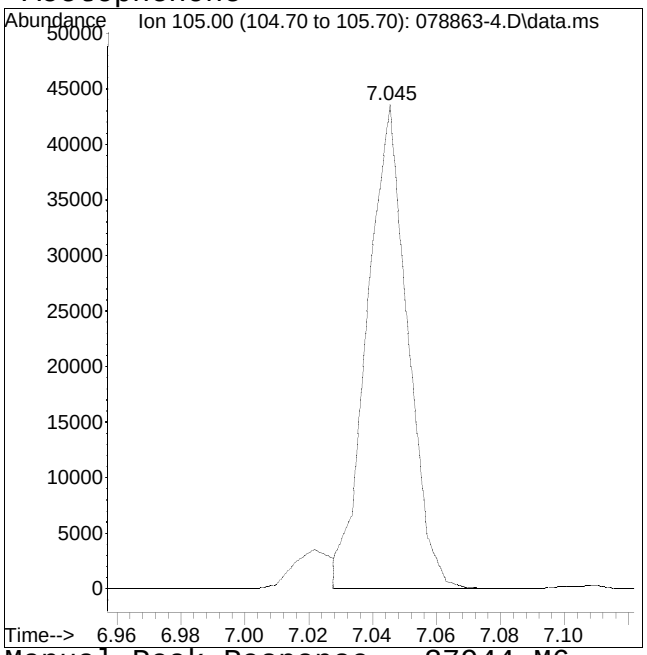
Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-4.D
Date Inj'd : 6/16/2025 2:48 am
Sample : WG2078863-4,32,,ASK

QMethod : FS250311SV106.m
Operator : SV106:smz
Instrument : SV 106
Quant Date : 6/16/2025 3:07 am

Compound #29: Acetophenone



Original Peak Response = 41161



Manual Peak Response = 37944 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-5.D
Acq On : 16 Jun 2025 3:11 am
Operator : SV106:smz
Sample : WG2078863-5,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 09:24:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) IS1_1,4-Dichlorobenzen...	6.551	152	63907	4.000	ug/ml		0.00
Standard Area 1 = 54749			Recovery = 116.73%				
27) IS2_1,4-Dichlorobenzen...	6.551	152	63907	4.000	ug/ml		0.00
Standard Area 3 = 52990			Recovery = 120.60%				
35) IS1_Naphthalene-d8	7.969	136	228545	4.000	ug/ml	#	0.00
Standard Area 1 = 196335			Recovery = 116.41%				
55) IS2_Naphthalene-d8	7.969	136	228545	4.000	ug/ml	#	0.00
Standard Area 3 = 183489			Recovery = 124.56%				
63) IS1_Acenaphthene-d10	9.733	164	140688	4.000	ug/ml		0.00
Standard Area 1 = 115764			Recovery = 121.53%				
83) IS2_Acenaphthene-d10	9.733	164	140688	4.000	ug/ml		0.00
Standard Area 3 = 107792			Recovery = 130.52%				
86) IS3_Acenaphthene-d10	9.733	164	140688	4.000	ug/ml		0.00
Standard Area 2 = 109676			Recovery = 128.28%				
88) IS1_Phenanthrene-d10	11.180	188	290671	4.000	ug/ml		0.00
Standard Area 1 = 231478			Recovery = 125.57%				
100) IS3_Phenanthrene-d10	11.180	188	290671	4.000	ug/ml		0.00
Standard Area 2 = 231501			Recovery = 125.56%				
104) IS1_Chrysene-d12	13.839	240	308076	4.000	ug/ml		0.00
Standard Area 1 = 264770			Recovery = 116.36%				
113) IS1_Perylene-d12	15.321	264	334023	4.000	ug/ml		0.00
Standard Area 1 = 269774			Recovery = 123.82%				
System Monitoring Compounds							
4) 2-Fluorophenol	4.693	112	14138	0.784	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 39.20%				
7) Phenol-d6	6.181	99	12327	0.583	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 29.15%				
19) Nitrobenzene-d5	7.204	82	13305	0.760	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 76.00%				
46) 2-Fluorobiphenyl	9.092	172	35588	0.675	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 67.50%				
79) 2,4,6-Tribromophenol	10.510	330	10193	1.409	ug/ml		0.00
Spiked Amount 2.000	Range 15 - 110		Recovery = 70.45%				
96) 4-Terphenyl-d14	12.774	244	54438	0.722	ug/ml		0.00
Spiked Amount 1.000	Range 30 - 130		Recovery = 72.20%				

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-5.D
Acq On : 16 Jun 2025 3:11 am
Operator : SV106:smz
Sample : WG2078863-5,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 09:24:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Target Compounds						Qvalue
6) 2-Chlorophenol	6.293	128	23183	1.192	ug/ml	98
8) Phenol	6.198	94	14474	0.621	ug/ml	96
9) Bis(2-chloroethyl)ether	6.275	93	22819	1.232	ug/ml#	68
10) 1,3-Dichlorobenzene	6.481	146	21383	0.869	ug/ml	96
11) 1,4-Dichlorobenzene	6.575	146	22258	0.885	ug/ml	98
12) 1,2-Dichlorobenzene	6.751	146	21343	0.896	ug/ml	95
13) Benzyl alcohol	6.757	79	17746	1.220	ug/ml	98
14) Bis(2-chloroisopropyl)...	6.940	45	51393	1.190	ug/ml#	77
15) 2-Methylphenol	6.922	108	19183	0.936	ug/ml	96
17) n-Nitrosodi-n-propylamine	7.081	70	18985	1.390	ug/ml	95
18) 3-Methylphenol/4-Methy...	7.104	108	21341	1.203	ug/ml	100
20) Nitrobenzene	7.222	77	25897	1.450	ug/ml	100
21) Isophorone	7.504	82	46855	1.278	ug/ml	98
22) 2-Nitrophenol	7.581	139	13084	1.609	ug/ml	95
23) 2,4-Dimethylphenol	7.675	107	16488	0.861	ug/ml	96
24) Bis(2-chloroethoxy)met...	7.769	93	32254	1.232	ug/ml	98
25) 2,4-Dichlorophenol	7.845	162	25098	1.382	ug/ml#	93
26) 1,2,4-Trichlorobenzene	7.922	180	20279	0.871	ug/ml	95
29) Acetophenone	7.045	105	36954M6	1.406	ug/ml	
37) Benzoic Acid	7.734	105	10490	1.566	ug/ml	94
38) 4-Chloroaniline	8.075	65	6250M3	0.831	ug/ml	
40) p-Chloro-m-cresol	8.598	107	20898	1.125	ug/ml	97
43) Hexachlorocyclopentadiene	8.886	237	13844	0.808	ug/ml	91
44) 2,4,6-Trichlorophenol	9.004	196	19660	1.370	ug/ml	97
45) 2,4,5-Trichlorophenol	9.034	196	22343	1.534	ug/ml	94
48) 2-Nitroaniline	9.298	138	15934	1.678	ug/ml	88
51) Dimethyl phthalate	9.504	163	69039	1.330	ug/ml#	98
53) 2,6-Dinitrotoluene	9.545	165	13474	1.564	ug/ml#	82
61) 1,2,4,5-Tetrachloroben...	8.881	216	27619	1.204	ug/ml#	97
62) Biphenyl	9.181	154	64740	1.280	ug/ml	99
64) 3-Nitroaniline	9.704	138	13353	1.505	ug/ml	89
66) 2,4-Dinitrophenol	9.810	184	8027	1.852	ug/ml#	87
67) Dibenzofuran	9.939	168	88753	1.319	ug/ml	94
68) 2,4-Dinitrotoluene	9.939	165	17943	1.558	ug/ml	90
69) 4-Nitrophenol	9.892	65	7291	1.077	ug/ml	94
72) Diethyl phthalate	10.198	149	69402	1.452	ug/ml	98

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-5.D
Acq On : 16 Jun 2025 3:11 am
Operator : SV106:smz
Sample : WG2078863-5,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 09:24:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250615RVT\ABN0615.D
: 2 - I:\8270\SV106\250615RVT\ADP0615.D
: 3 - I:\8270\SV106\250615RVT\AP90615.D
Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
74) 4-Chlorophenyl phenyl ...	10.292	204	35352	1.363 ug/ml#	88
75) 4-Nitroaniline	10.292	138	14475	1.676 ug/ml	89
76) 4,6-Dinitro-o-cresol	10.333	198	11226	1.819 ug/ml#	67
77) NDPA/DPA	10.404	169	58527	1.416 ug/ml	95
80) 4-Bromophenyl phenyl e...	10.763	248	21763	1.336 ug/ml#	83
91) Carbazole	11.422	167	103492	1.440 ug/ml	99
92) Di-n-butylphthalate	11.810	149	114526	1.412 ug/ml	99
97) Butyl benzyl phthalate	13.304	149	47399	1.563 ug/ml	89
106) 3,3'-Dichlorobenzidine	13.827	252	29402	0.890 ug/ml	98
108) Bis(2-ethylhexyl)phtha...	13.945	149	69499	1.375 ug/ml	96
109) Di-n-octylphthalate	14.627	149	107273	1.468 ug/ml#	81

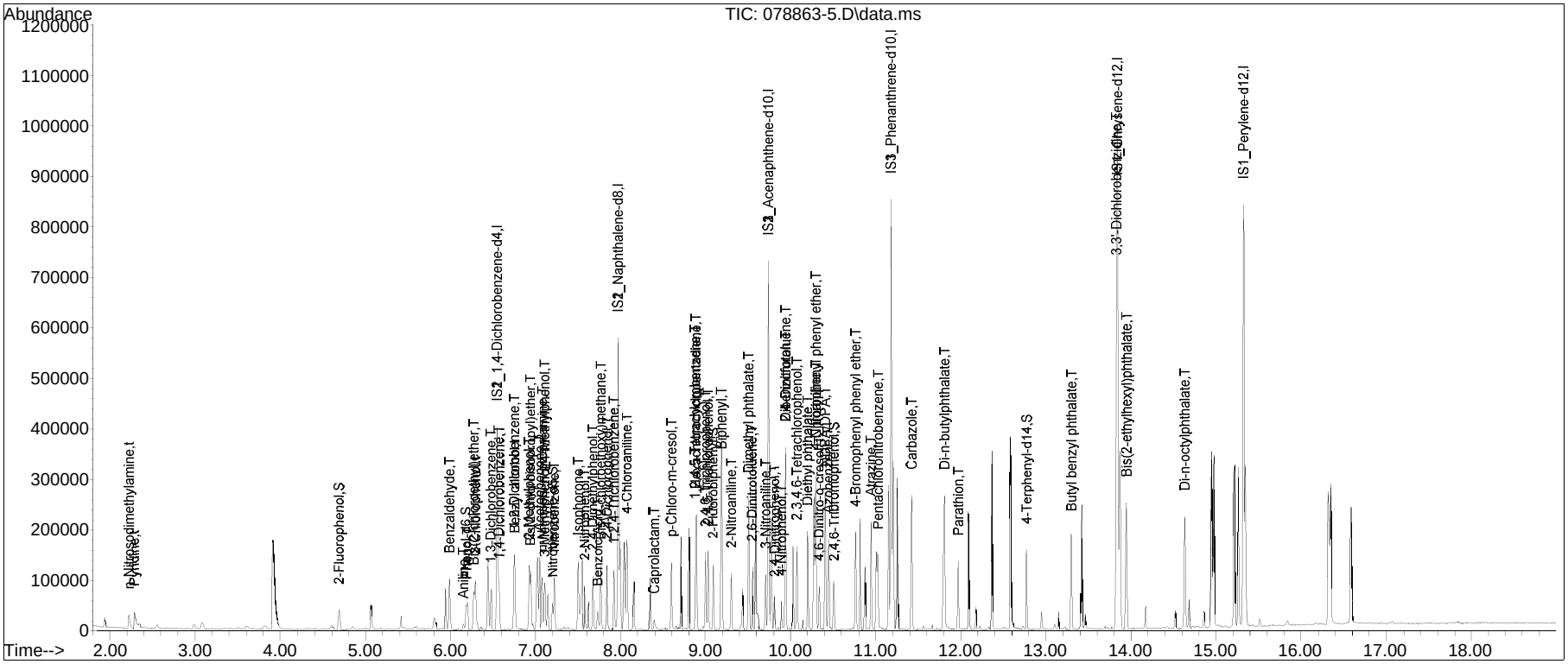
(#) = qualifier out of range (m) = manual integration (+) = signals summed

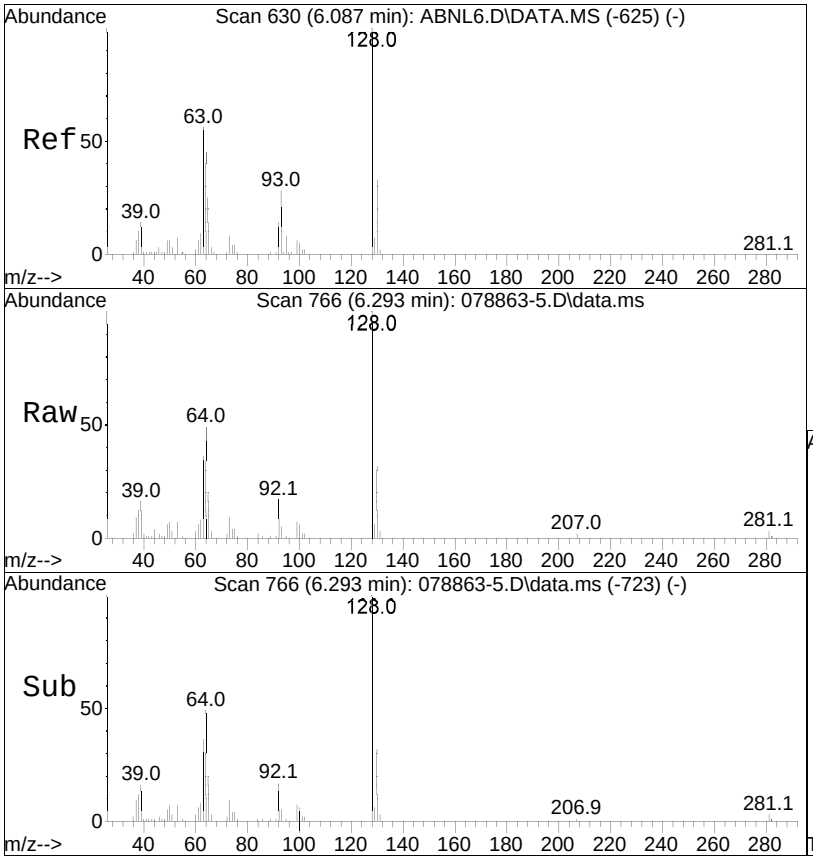
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250615RVT\
Data File : 078863-5.D
Acq On : 16 Jun 2025 3:11 am
Operator : SV106:smz
Sample : WG2078863-5,32,,ASK
Misc : WG2078811,WG2078863,ical22075
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 09:24:09 2025
Quant Method : I:\8270\SV106\250615RVT\FS250311SV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 20:08:07 2025
Response via : Initial Calibration

Sub List : 8270TCL_combo_REV1 - TCL/CT/MA90615.D•

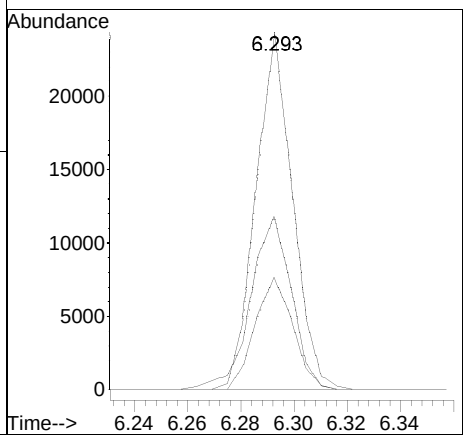


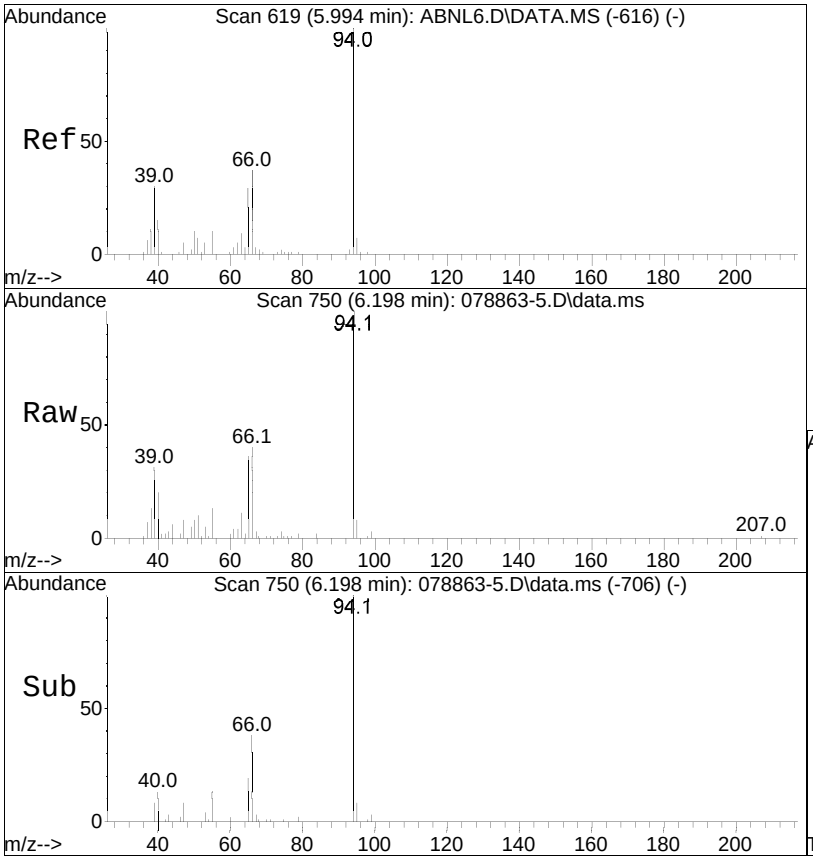


#6
2-Chlorophenol
Concen: 1.19 ug/ml
RT: 6.293 min Scan# 766
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:128 Resp: 23183

Ion	Ratio	Lower	Upper
128	100		
64	53.8	45.1	67.7
130	32.6	26.2	39.4

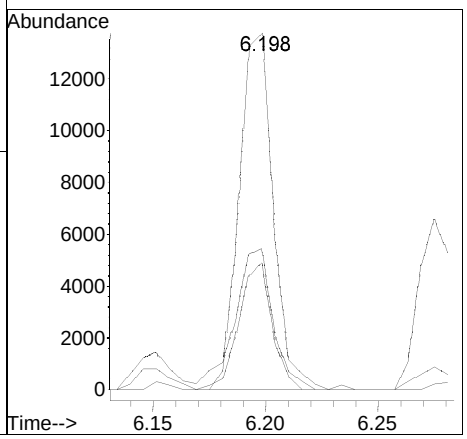


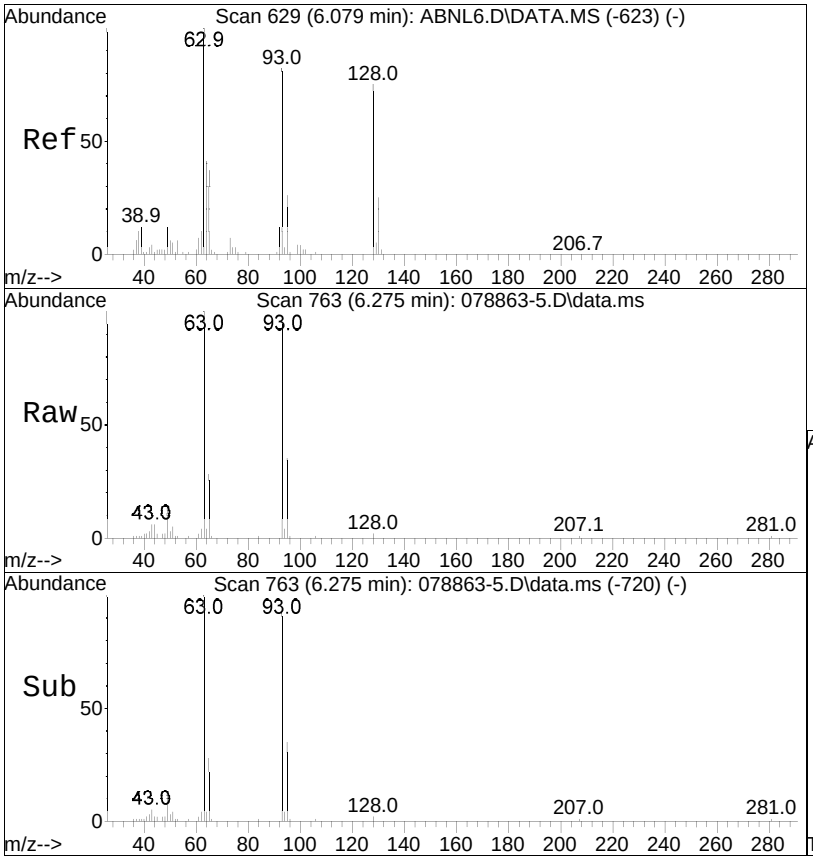


#8
Phenol
Concen: 0.62 ug/ml
RT: 6.198 min Scan# 750
Delta R.T. 0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 94 Resp: 14474

Ion	Ratio	Lower	Upper
94	100		
65	34.6	26.0	39.0
66	44.5	33.8	50.8

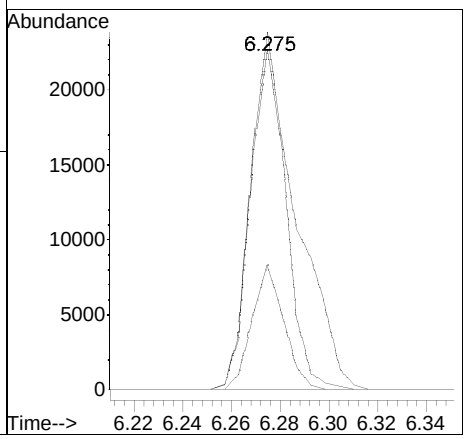


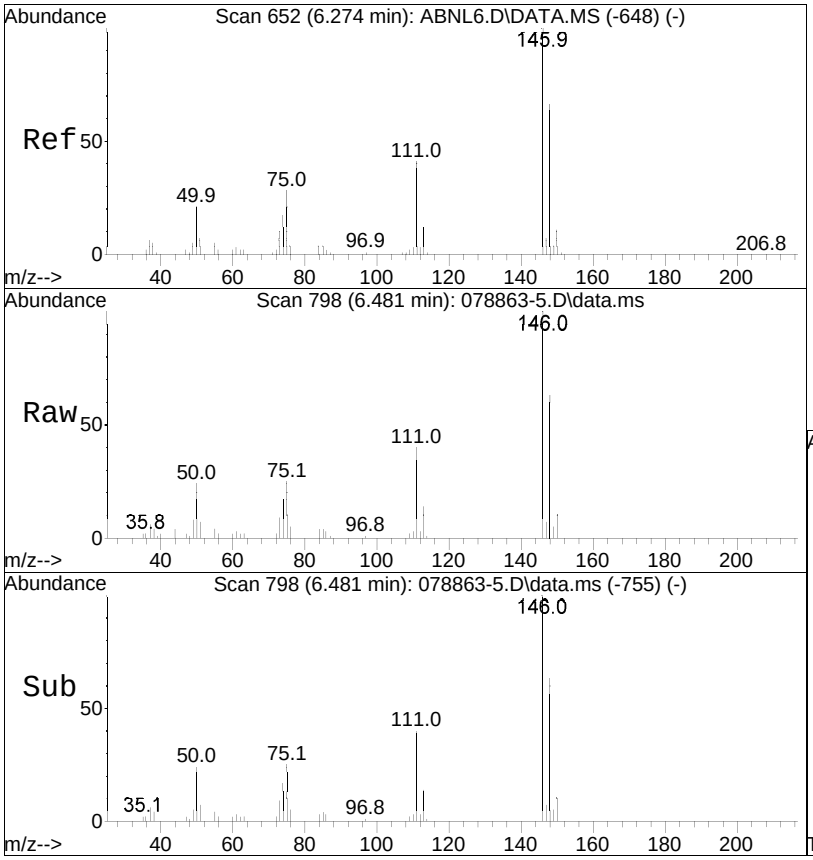


#9
Bis(2-chloroethyl)ether
Concen: 1.23 ug/ml
RT: 6.275 min Scan# 763
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 93 Resp: 22819

Ion	Ratio	Lower	Upper
93	100		
63	134.9	74.6	111.8#
95	32.9	25.9	38.9

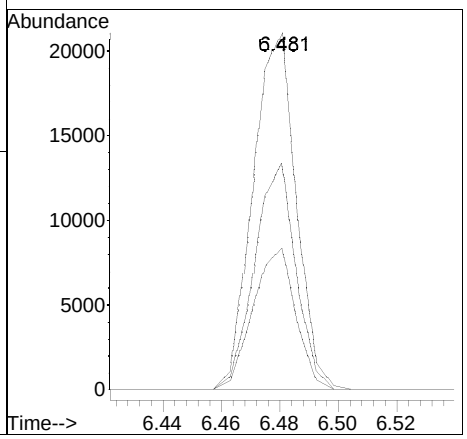


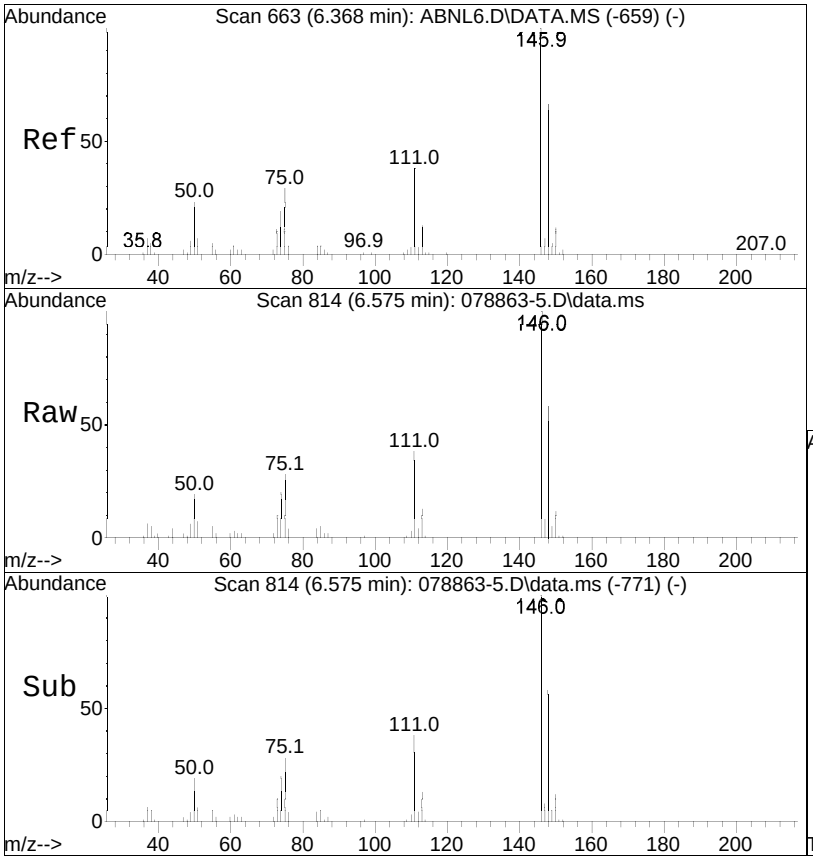


#10
1,3-Dichlorobenzene
Concen: 0.87 ug/ml
RT: 6.481 min Scan# 798
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:146 Resp: 21383

Ion	Ratio	Lower	Upper
146	100		
111	39.3	34.3	51.5
148	60.8	50.8	76.2

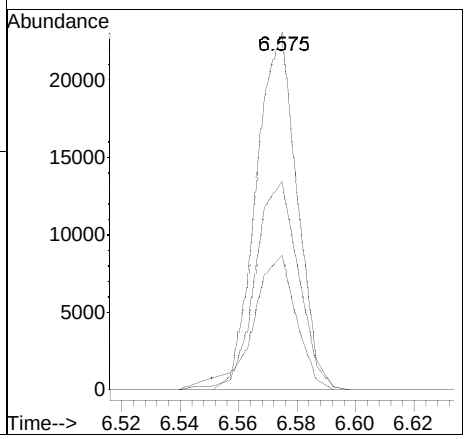


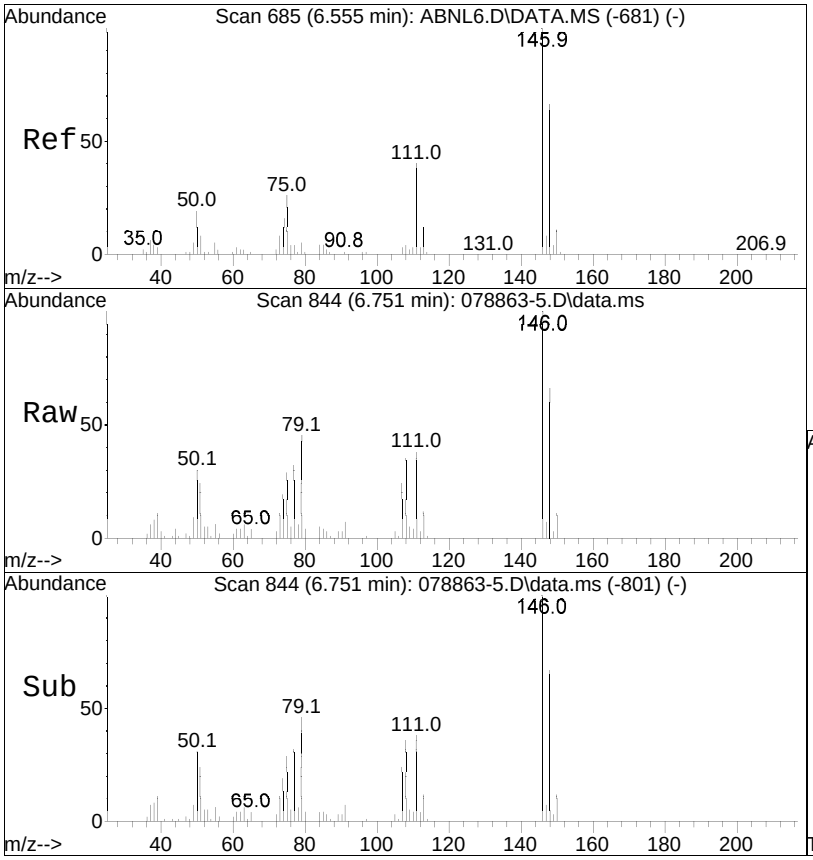


#11
1,4-Dichlorobenzene
Concen: 0.88 ug/ml
RT: 6.575 min Scan# 814
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:146 Resp: 22258

Ion	Ratio	Lower	Upper
146	100		
148	62.0	50.7	76.1
111	40.6	33.4	50.0

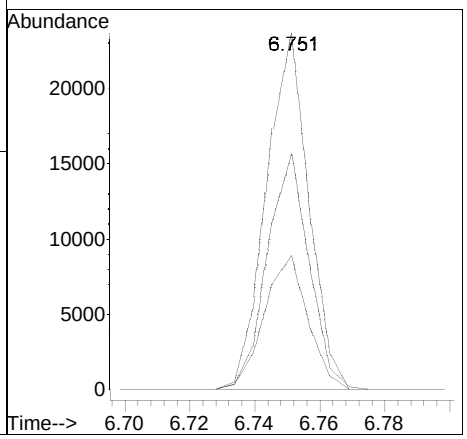


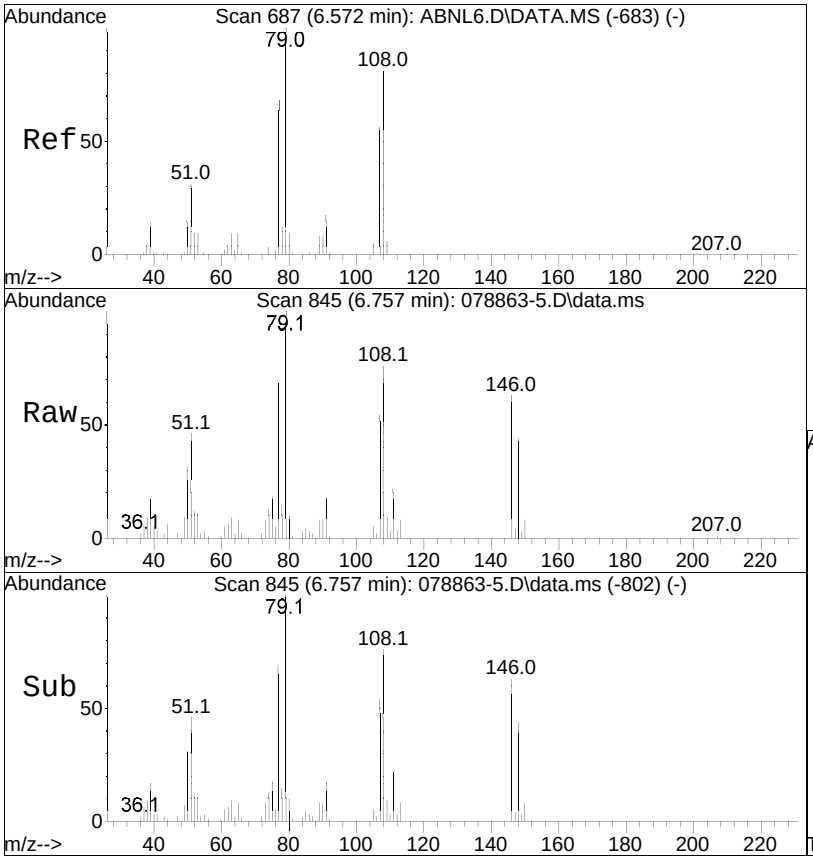


#12
1,2-Dichlorobenzene
Concen: 0.90 ug/ml
RT: 6.751 min Scan# 844
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:146 Resp: 21343

Ion	Ratio	Lower	Upper
146	100		
111	39.0	34.6	52.0
148	65.4	50.2	75.4

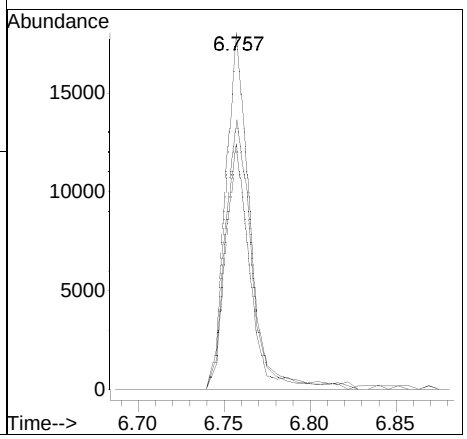


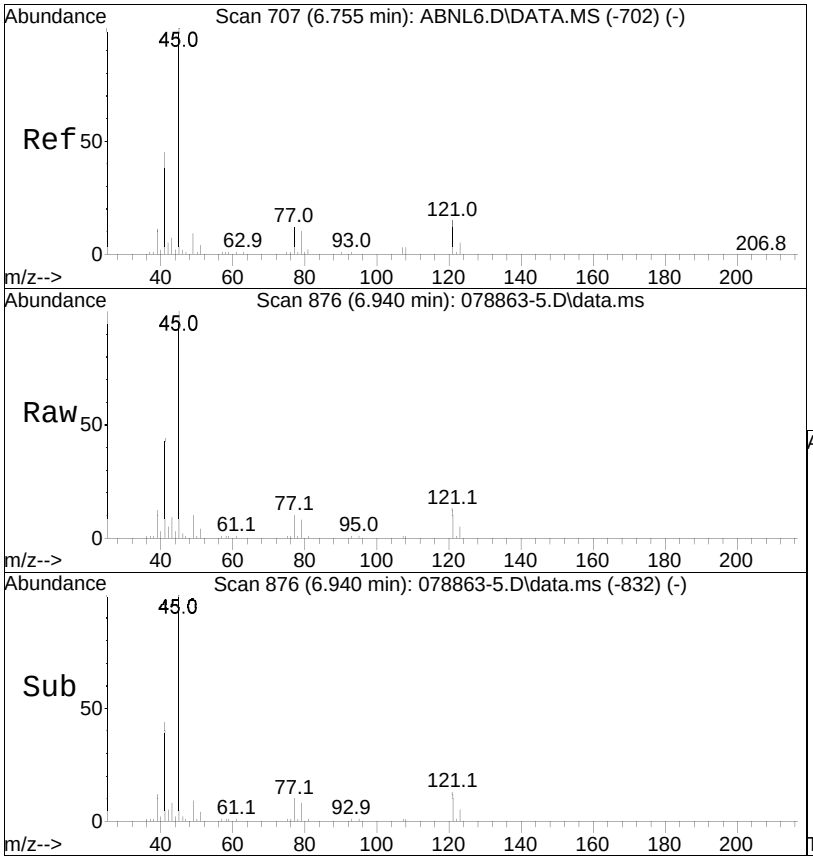


#13
Benzyl alcohol
Concen: 1.22 ug/ml
RT: 6.757 min Scan# 845
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 79 Resp: 17746

Ion	Ratio	Lower	Upper
79	100		
77	69.4	54.9	82.3
108	80.8	63.1	94.7

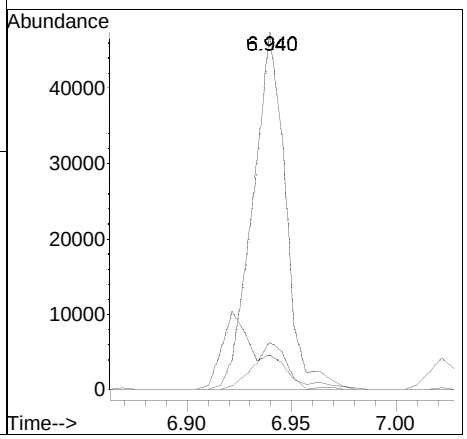


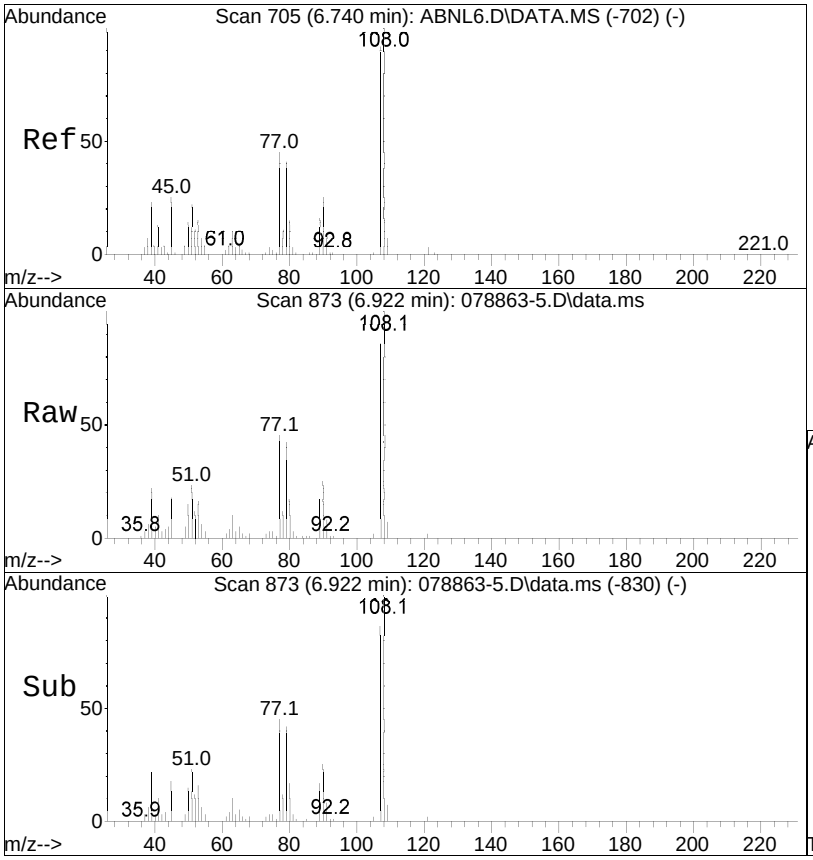


#14
Bis(2-chloroisopropyl)ether
Concen: 1.19 ug/ml
RT: 6.940 min Scan# 876
Delta R.T. 0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 45 Resp: 51393

Ion	Ratio	Lower	Upper
45	100		
121	13.3	9.8	14.6
77	26.9	6.1	9.1#

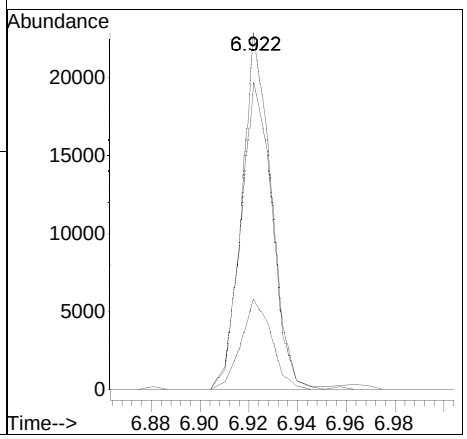


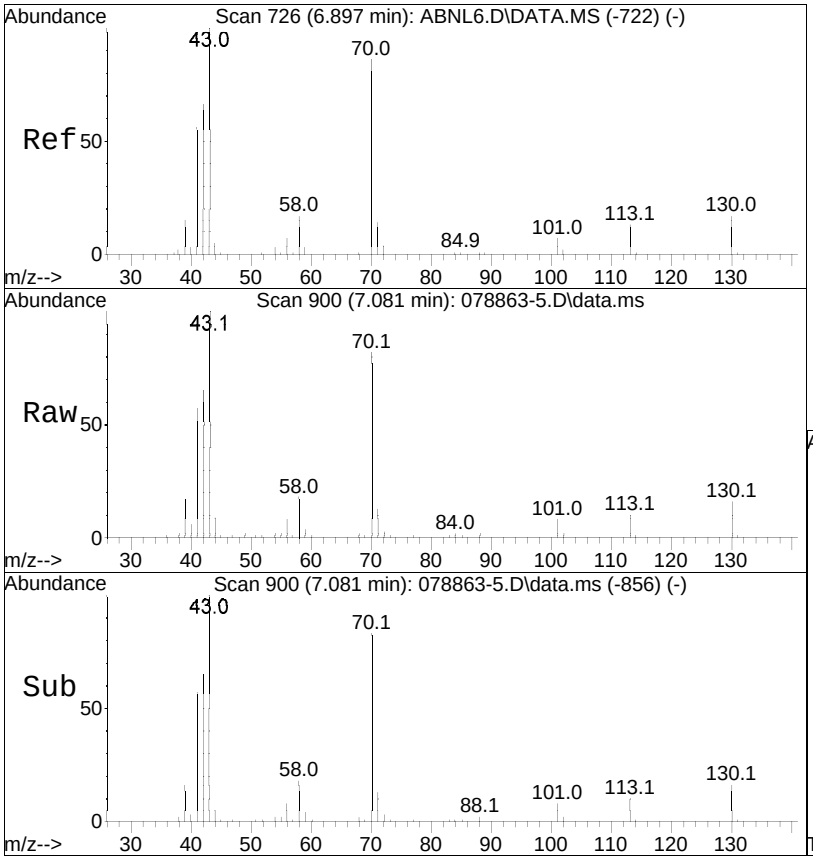


#15
2-Methylphenol
Concen: 0.94 ug/ml
RT: 6.922 min Scan# 873
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:108 Resp: 19183

Ion	Ratio	Lower	Upper
108	100		
107	91.9	70.7	106.1
90	26.3	18.7	28.1

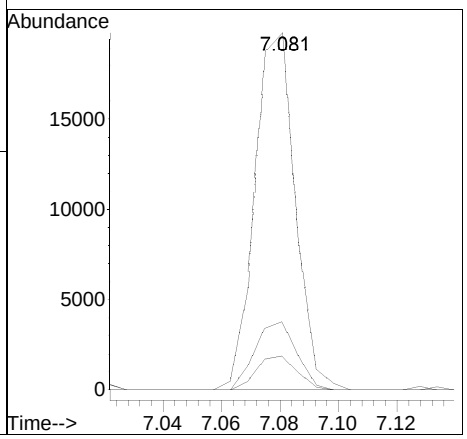


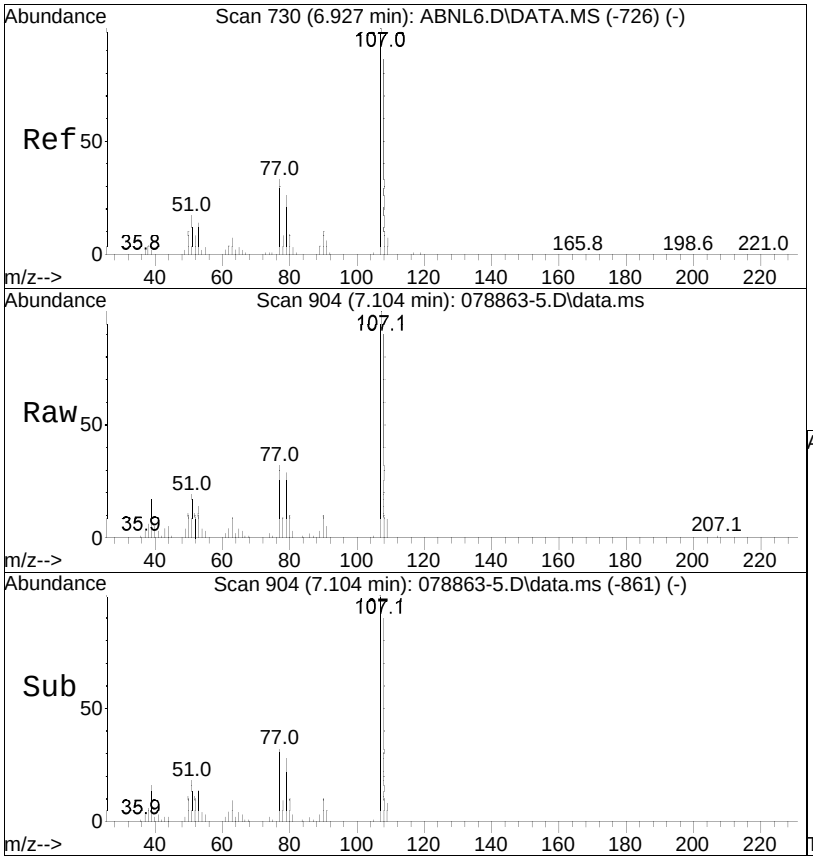


#17
n-Nitrosodi-n-propylamine
Concen: 1.39 ug/ml
RT: 7.081 min Scan# 900
Delta R.T. 0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 70 Resp: 18985

Ion	Ratio	Lower	Upper
70	100		
130	19.7	18.2	27.4
101	9.5	7.8	11.8

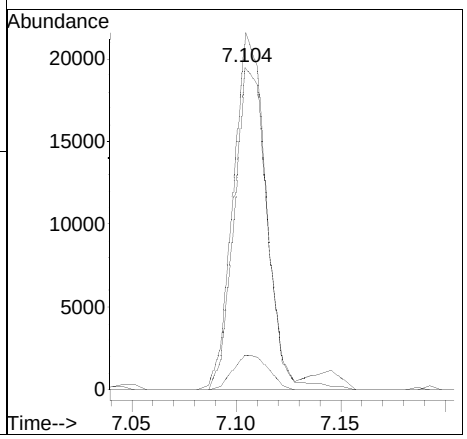


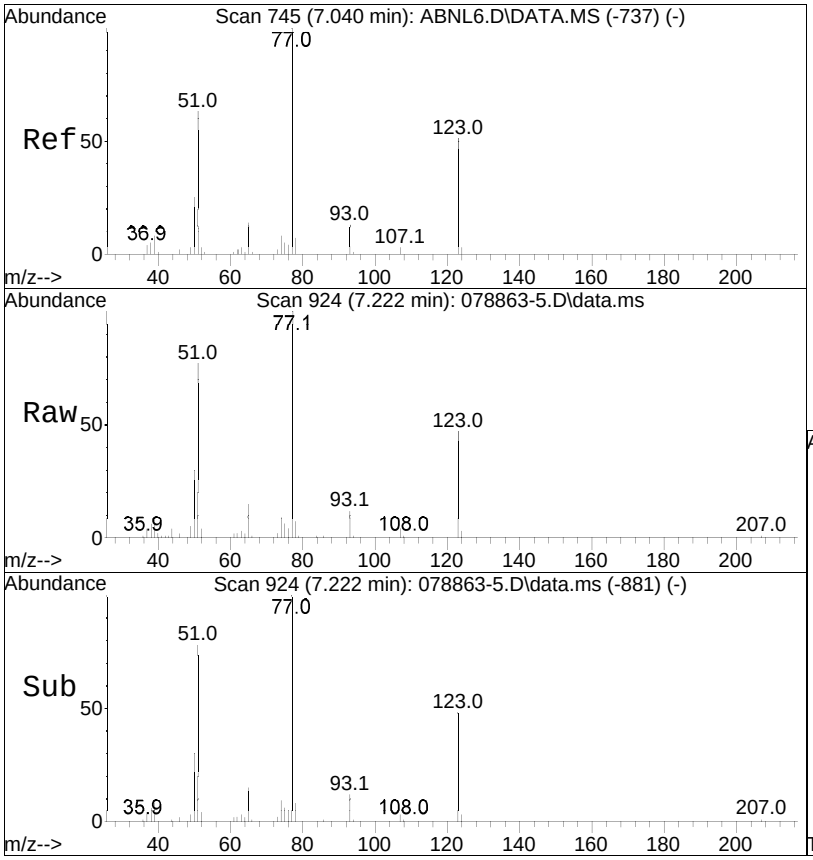


#18
3-Methylphenol/4-Methylphenol
Concen: 1.20 ug/ml
RT: 7.104 min Scan# 904
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:108 Resp: 21341

Ion	Ratio	Lower	Upper
108	100		
107	110.5	88.6	132.8
90	11.5	8.8	13.2

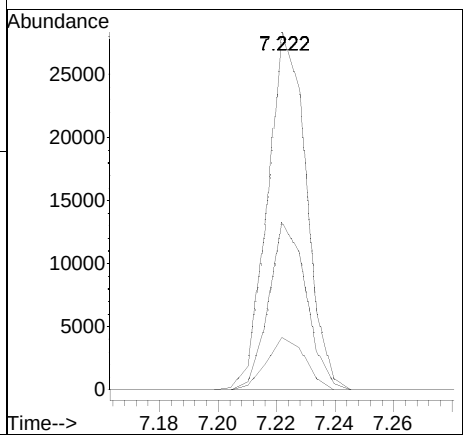


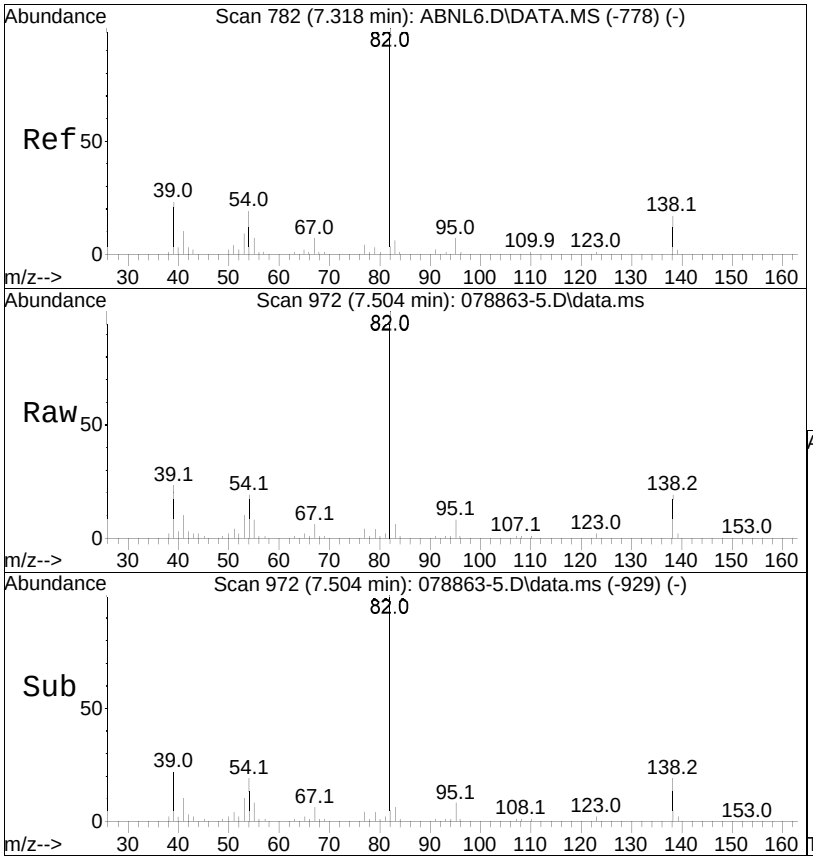


#20
Nitrobenzene
Concen: 1.45 ug/ml
RT: 7.222 min Scan# 924
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 77 Resp: 25897

Ion	Ratio	Lower	Upper
77	100		
123	45.5	36.3	54.5
65	14.6	11.6	17.4

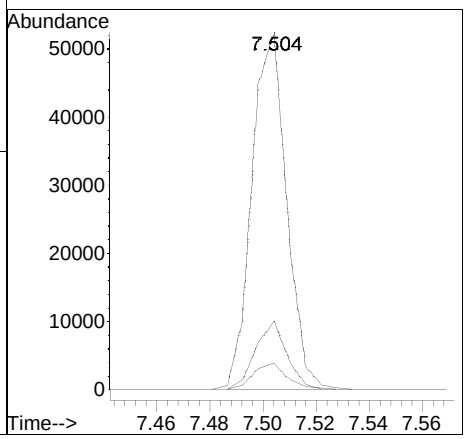


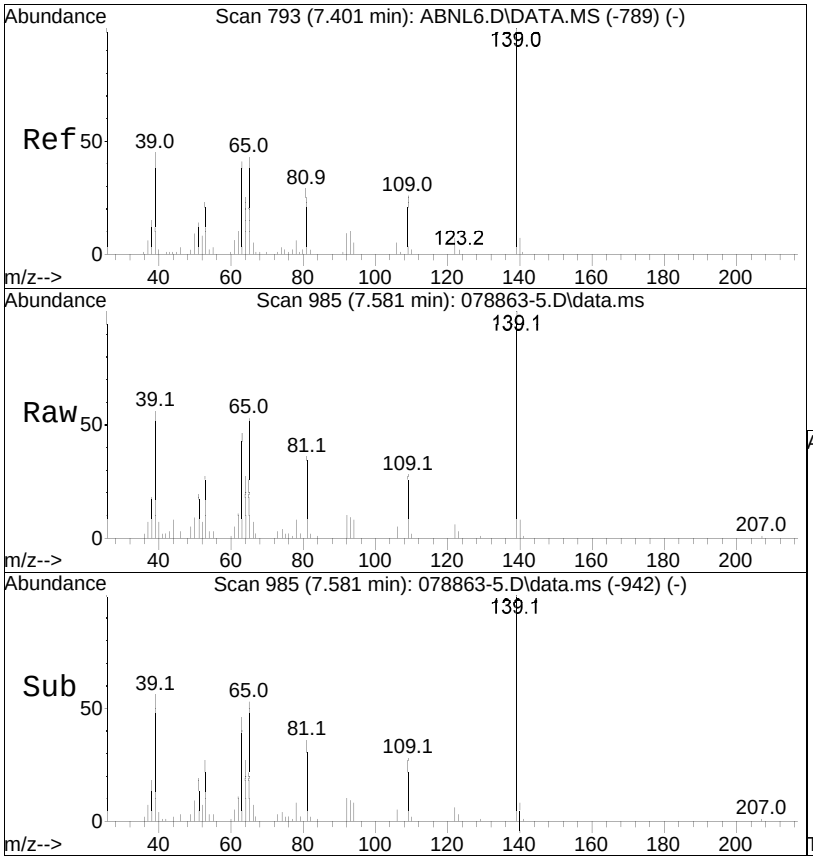


#21
Isophorone
Concen: 1.28 ug/ml
RT: 7.504 min Scan# 972
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 82 Resp: 46855

Ion	Ratio	Lower	Upper
82	100		
138	17.5	14.7	22.1
95	7.3	5.2	7.8

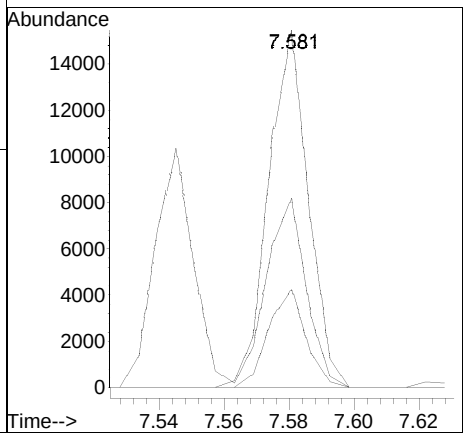


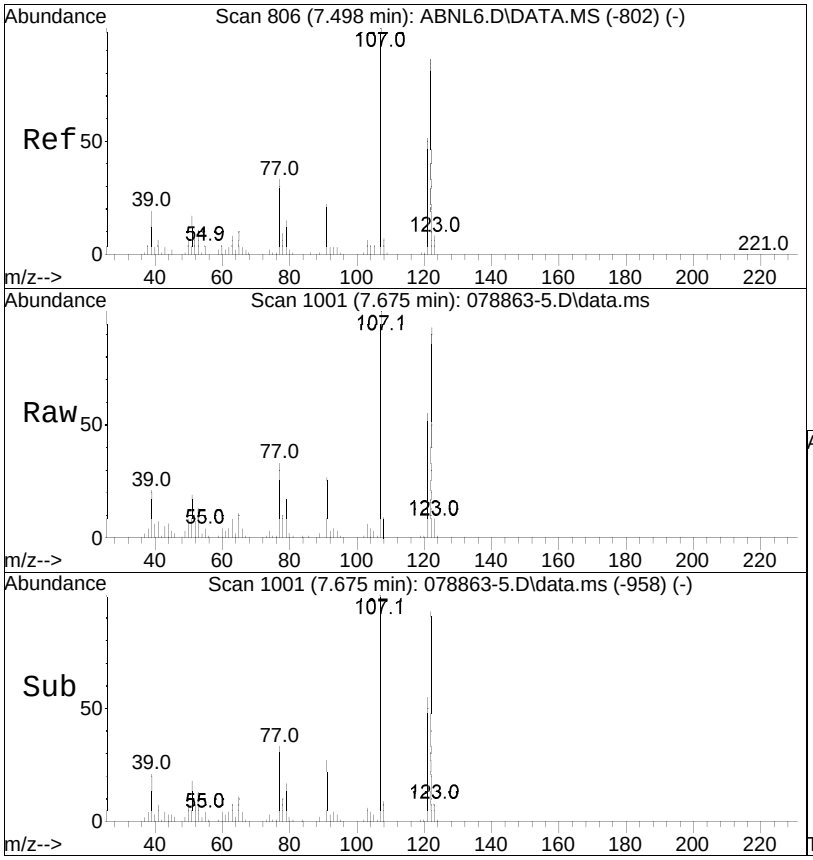


#22
2-Nitrophenol
Concen: 1.61 ug/ml
RT: 7.581 min Scan# 985
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:139 Resp: 13084

Ion	Ratio	Lower	Upper
139	100		
109	26.0	19.4	29.0
65	53.4	46.1	69.1

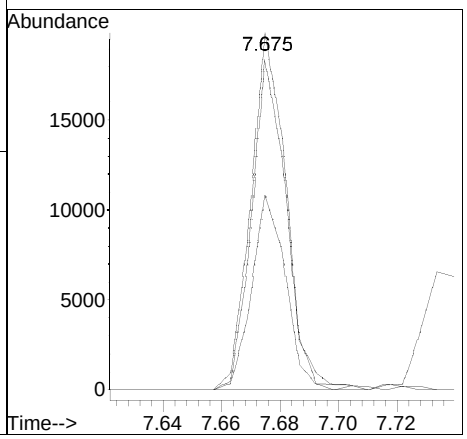


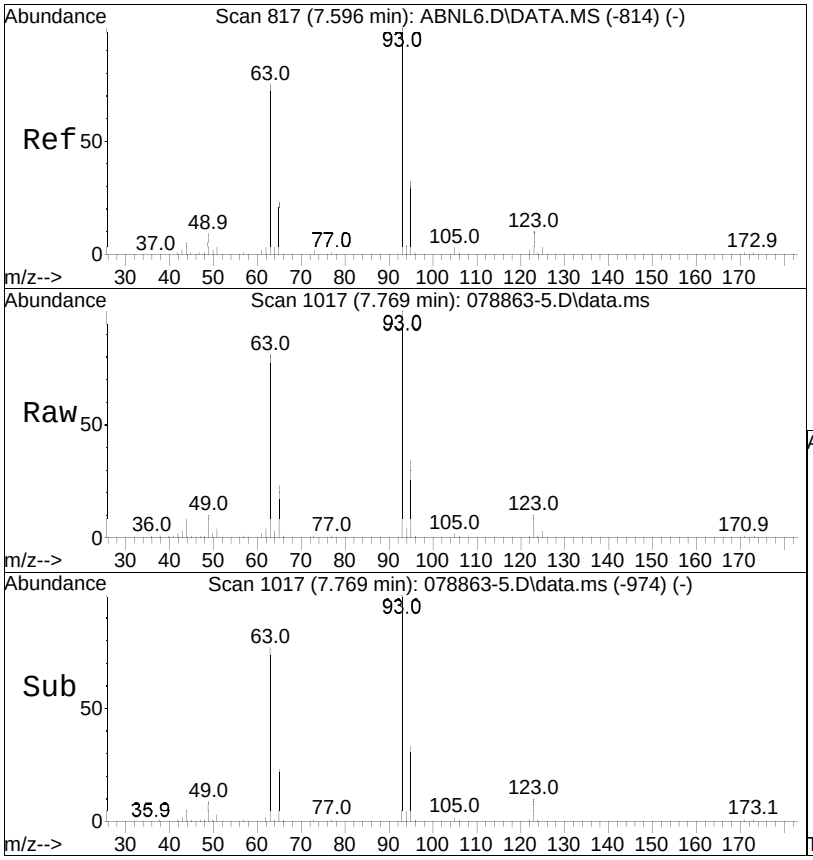


#23
2,4-Dimethylphenol
Concen: 0.86 ug/ml
RT: 7.675 min Scan# 1001
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:107 Resp: 16488

Ion	Ratio	Lower	Upper
107	100		
121	52.8	40.0	60.0
122	91.3	70.2	105.4

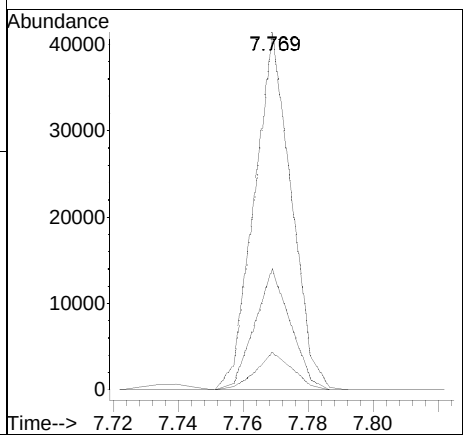


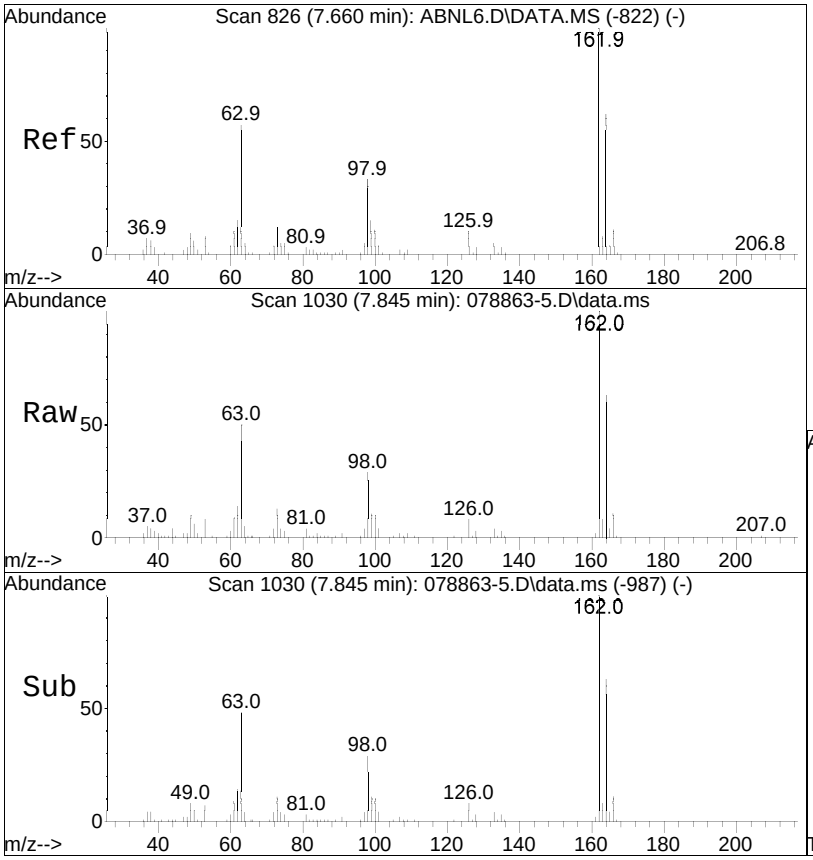


#24
Bis(2-chloroethoxy)methane
Concen: 1.23 ug/ml
RT: 7.769 min Scan# 1017
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 93 Resp: 32254

Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.8	38.8
123	10.5	10.1	15.1

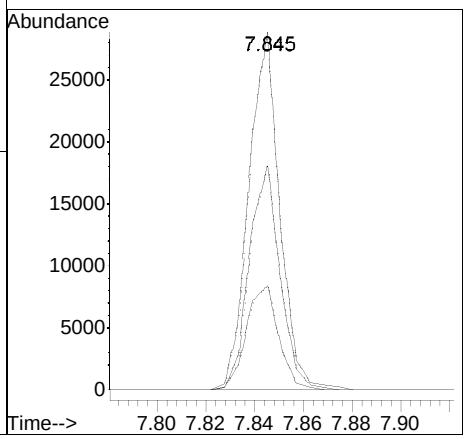


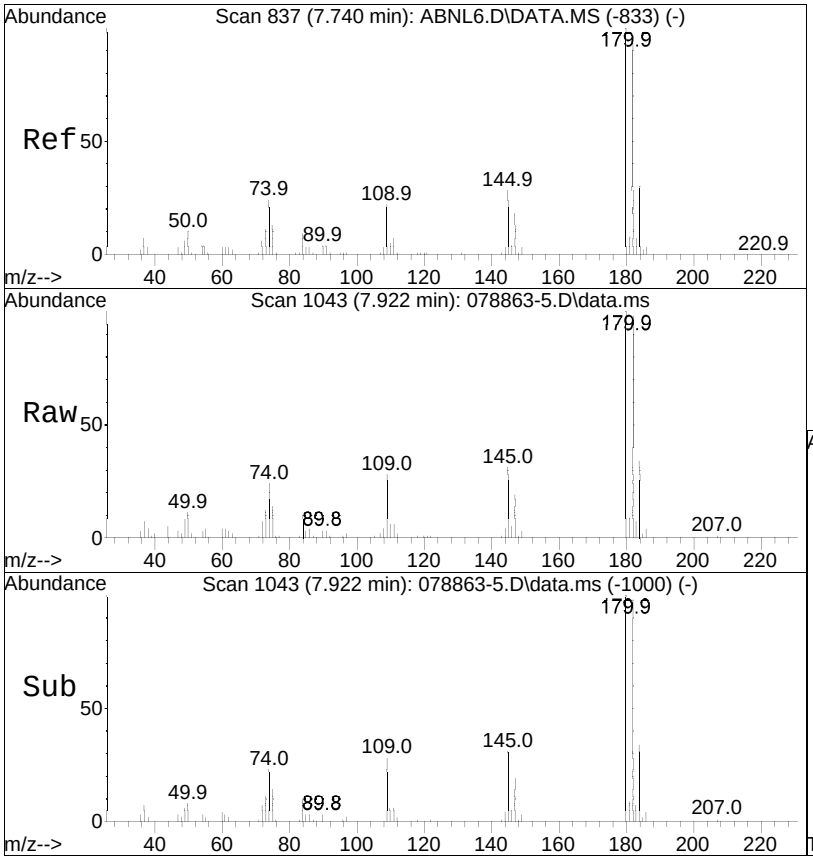


#25
2,4-Dichlorophenol
Concen: 1.38 ug/ml
RT: 7.845 min Scan# 1030
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:162 Resp: 25098

Ion	Ratio	Lower	Upper
162	100		
164	62.6	51.0	76.4
98	30.7	32.2	48.2#

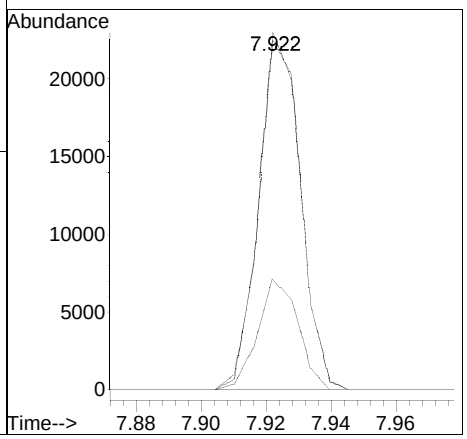


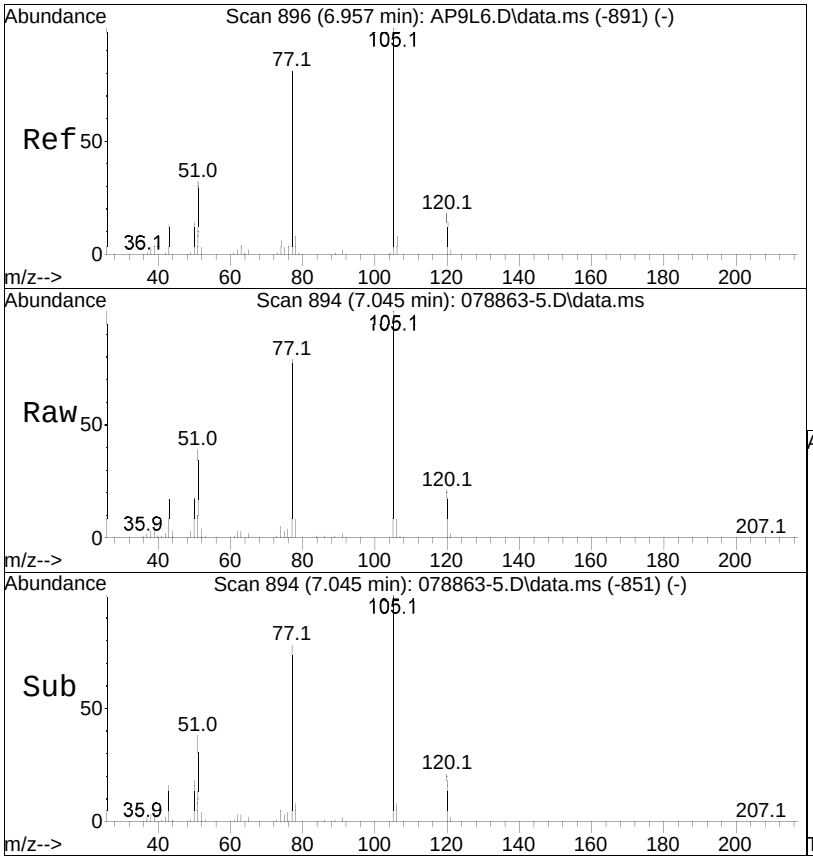


#26
1,2,4-Trichlorobenzene
Concen: 0.87 ug/ml
RT: 7.922 min Scan# 1043
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:180 Resp: 20279

Ion	Ratio	Lower	Upper
180	100		
182	100.0	76.0	114.0
145	30.3	25.7	38.5

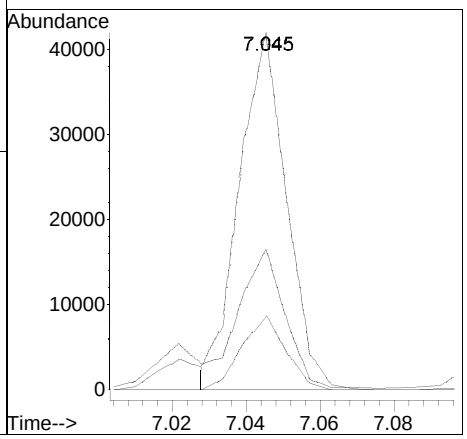


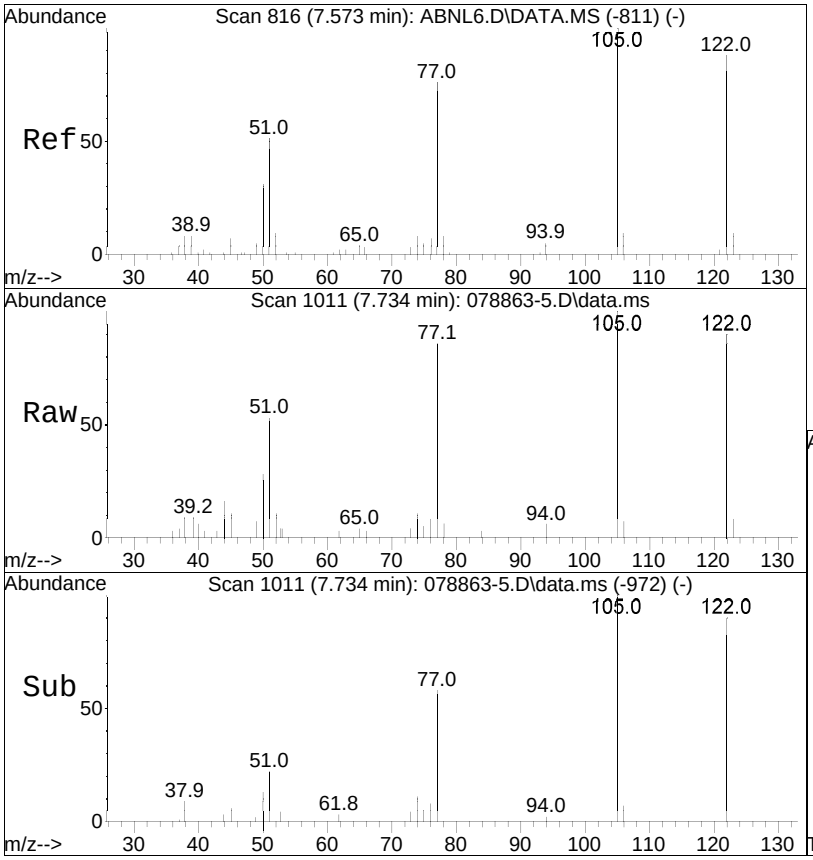


#29
Acetophenone
Concen: 1.41 ug/ml M6
RT: 7.045 min Scan# 894
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:105 Resp: 36954

Ion	Ratio	Lower	Upper
105	100		
120	19.5	20.5	30.7#
51	52.4	34.9	52.3#

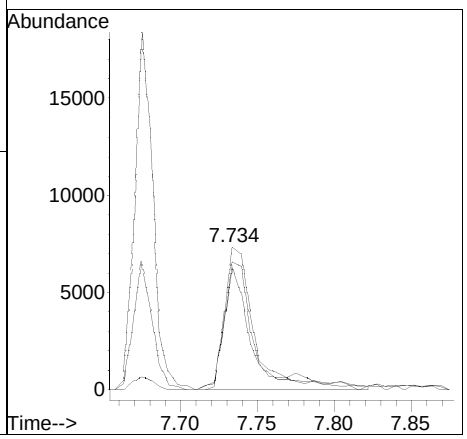


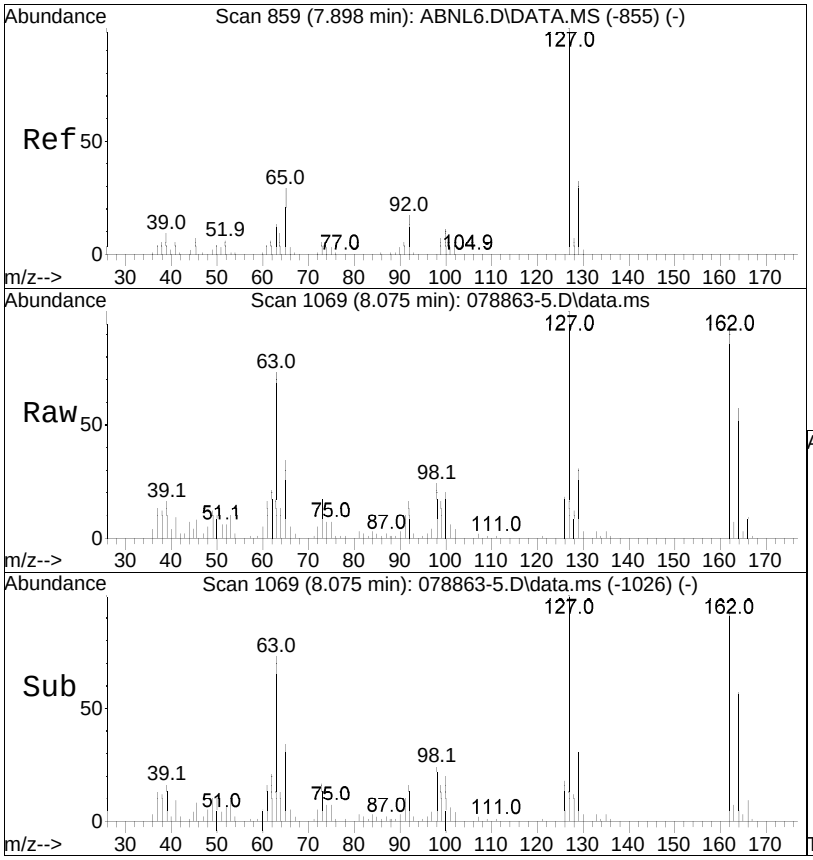


#37
Benzoic Acid
Concen: 1.57 ug/ml
RT: 7.734 min Scan# 1011
Delta R.T. -0.023 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:105 Resp: 10490

Ion	Ratio	Lower	Upper
105	100		
122	84.6	59.9	89.9
77	74.1	60.1	90.1

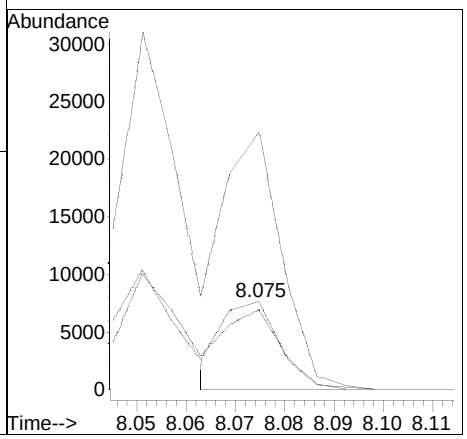


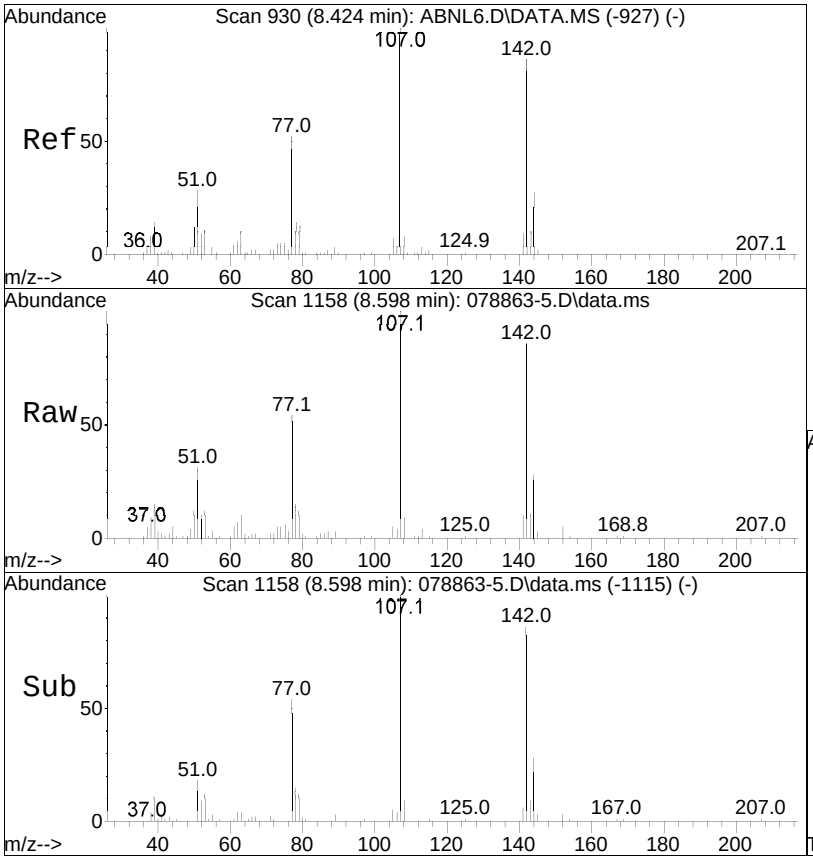


#38
4-Chloroaniline
Concen: 0.83 ug/ml M3
RT: 8.075 min Scan# 1069
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 65 Resp: 6250

Ion	Ratio	Lower	Upper
65	100		
127	428.8	237.6	356.4#
129	138.4	76.3	114.5#

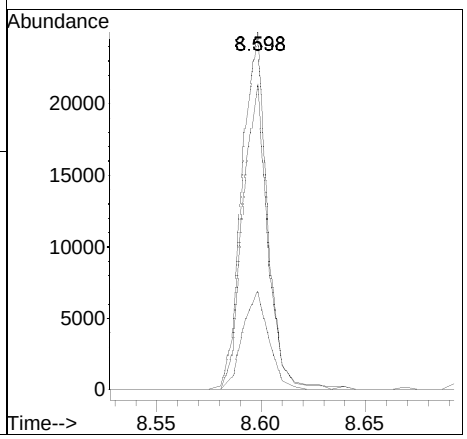


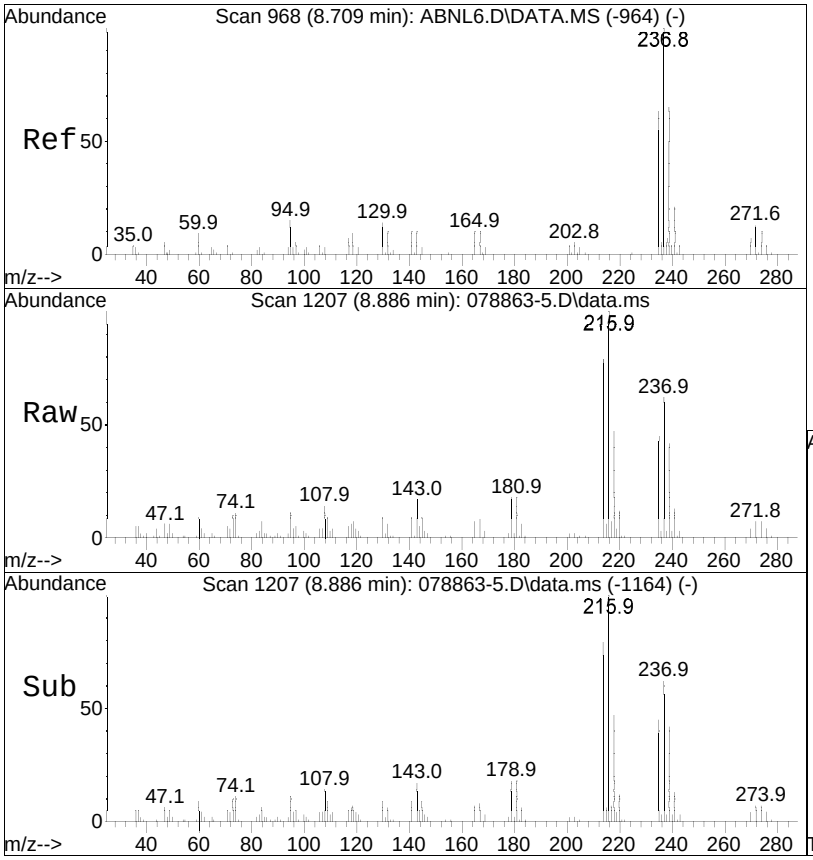


#40
p-Chloro-m-cresol
Concen: 1.13 ug/ml
RT: 8.598 min Scan# 1158
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:107 Resp: 20898

Ion	Ratio	Lower	Upper
107	100		
144	28.3	20.9	31.3
142	84.5	66.1	99.1

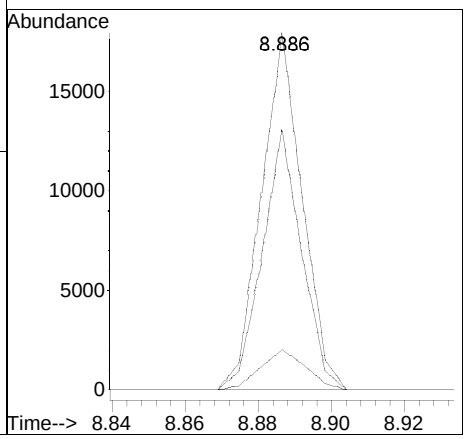


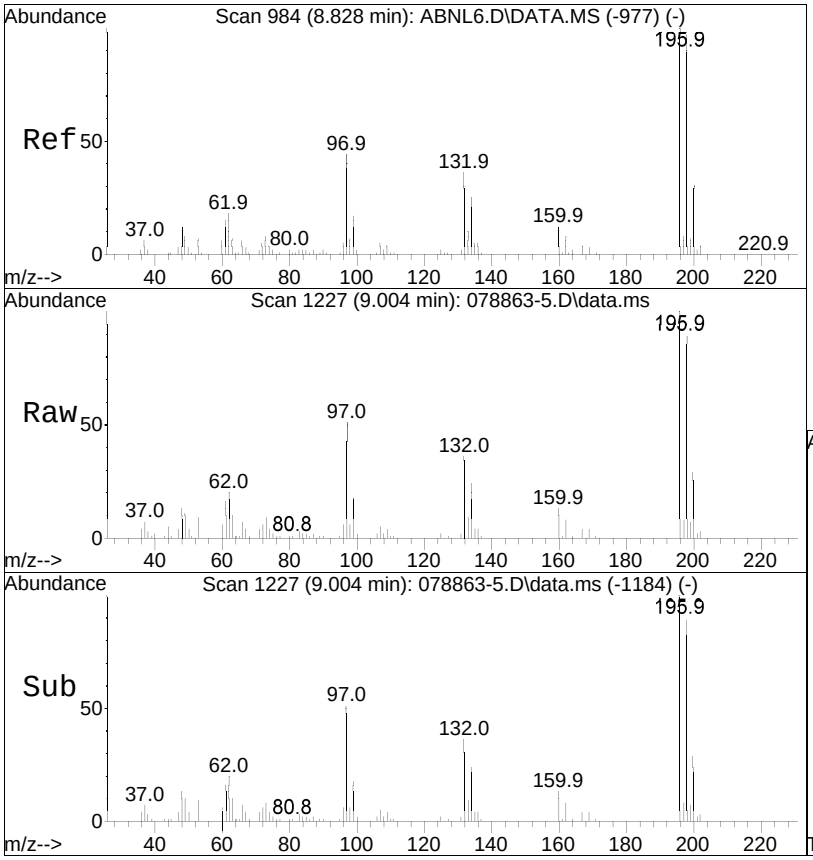


#43
Hexachlorocyclopentadiene
Concen: 0.81 ug/ml
RT: 8.886 min Scan# 1207
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:237 Resp: 13844

Ion	Ratio	Lower	Upper
237	100		
235	70.2	49.7	74.5
272	12.6	9.8	14.6

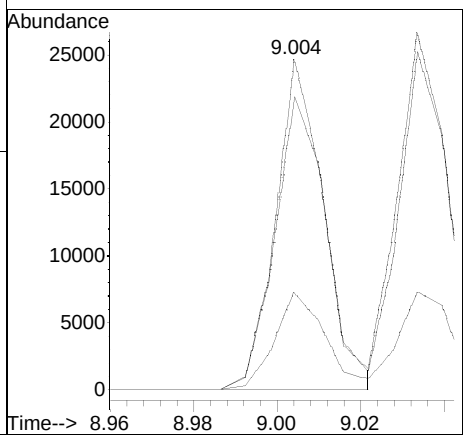


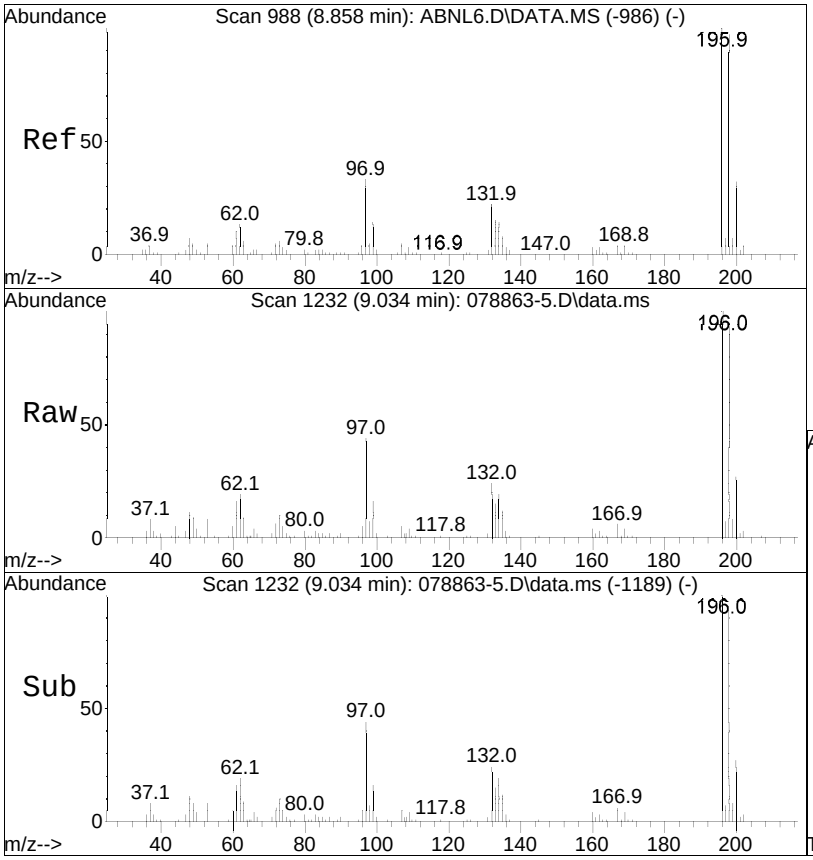


#44
2,4,6-Trichlorophenol
Concen: 1.37 ug/ml
RT: 9.004 min Scan# 1227
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:196 Resp: 19660

Ion	Ratio	Lower	Upper
196	100		
198	94.6	77.5	116.3
200	31.5	23.8	35.6

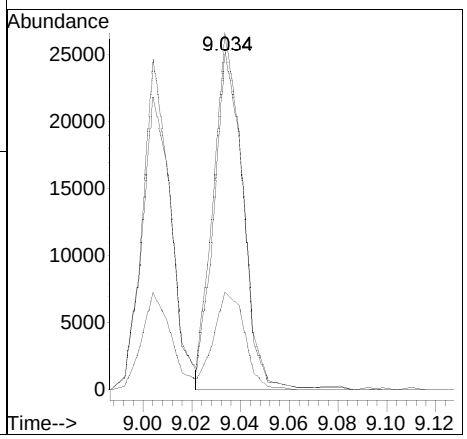


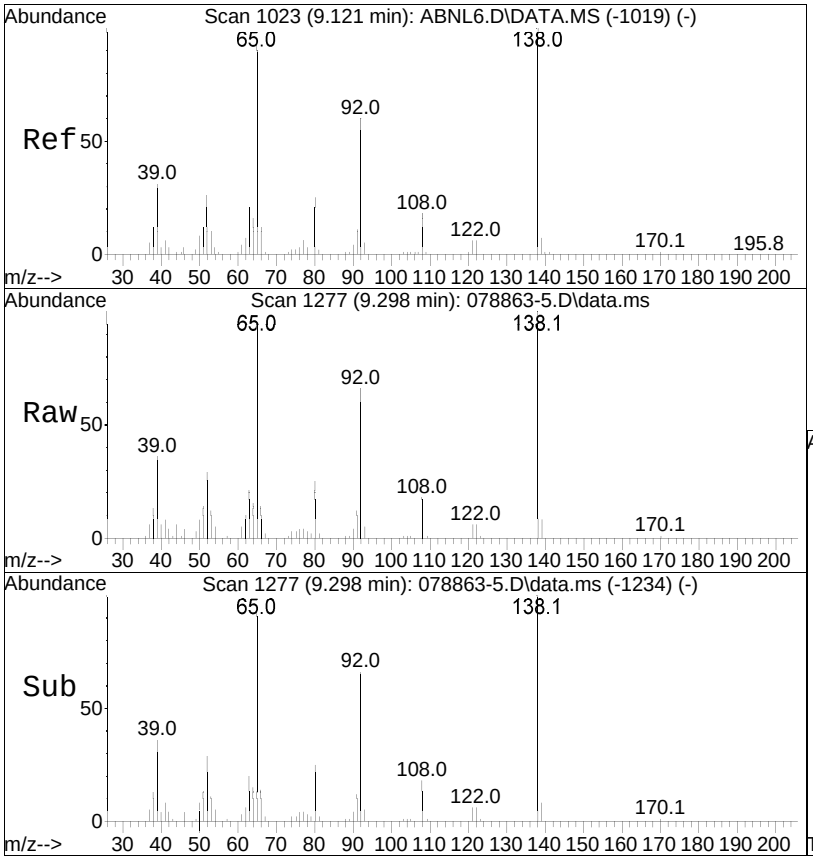


#45
2,4,5-Trichlorophenol
Concen: 1.53 ug/ml
RT: 9.034 min Scan# 1232
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:196 Resp: 22343

Ion	Ratio	Lower	Upper
196	100		
200	28.7	25.4	38.0
198	91.2	78.0	117.0

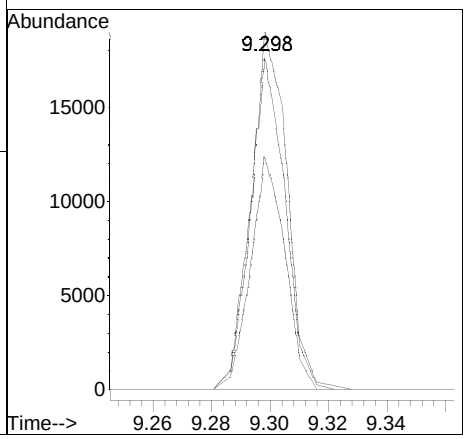


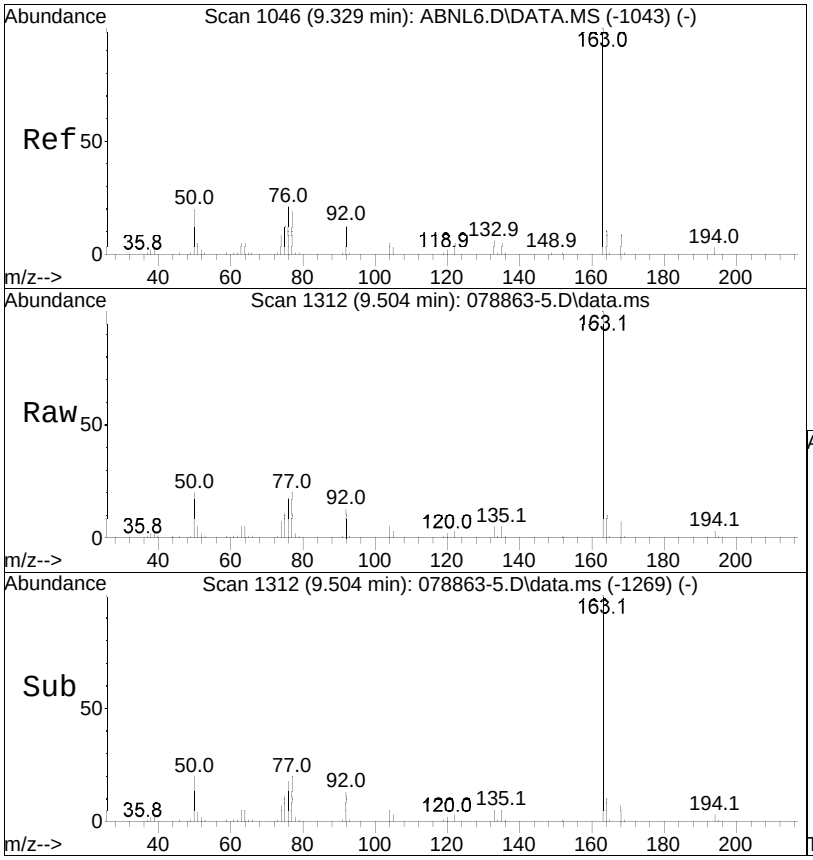


#48
2-Nitroaniline
Concen: 1.68 ug/ml
RT: 9.298 min Scan# 1277
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:138 Resp: 15934

Ion	Ratio	Lower	Upper
138	100		
92	62.9	53.5	80.3
65	91.0	86.3	129.5

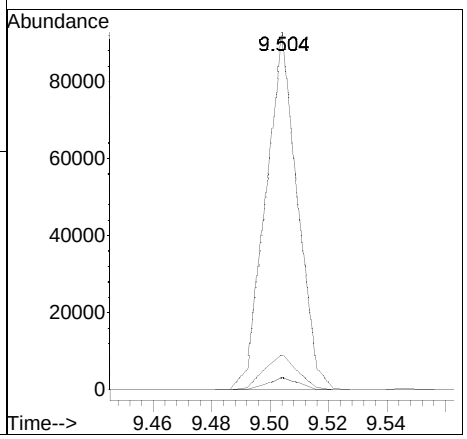


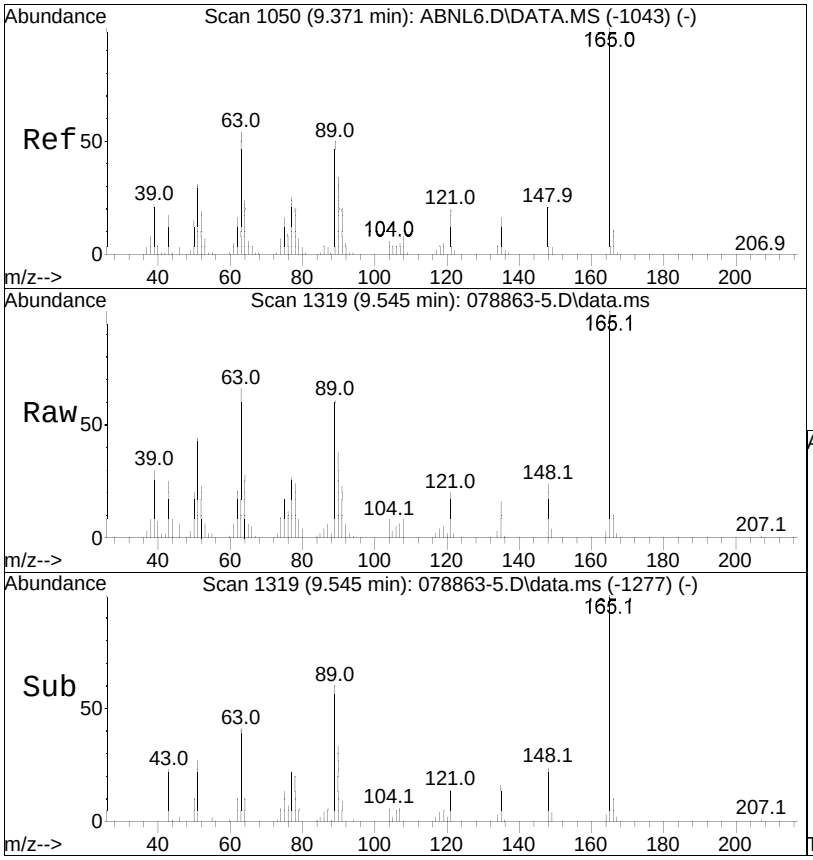


#51
Dimethyl phthalate
Concen: 1.33 ug/ml
RT: 9.504 min Scan# 1312
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:163 Resp: 69039

Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.5	5.3#
164	10.5	7.9	11.9

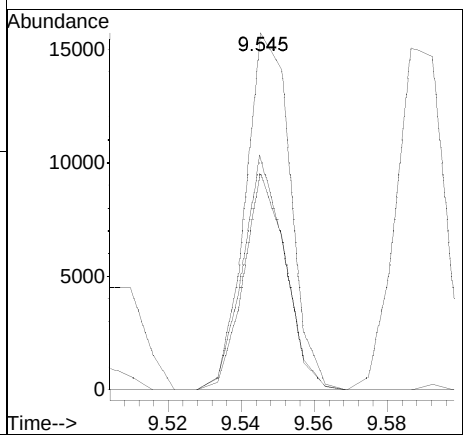


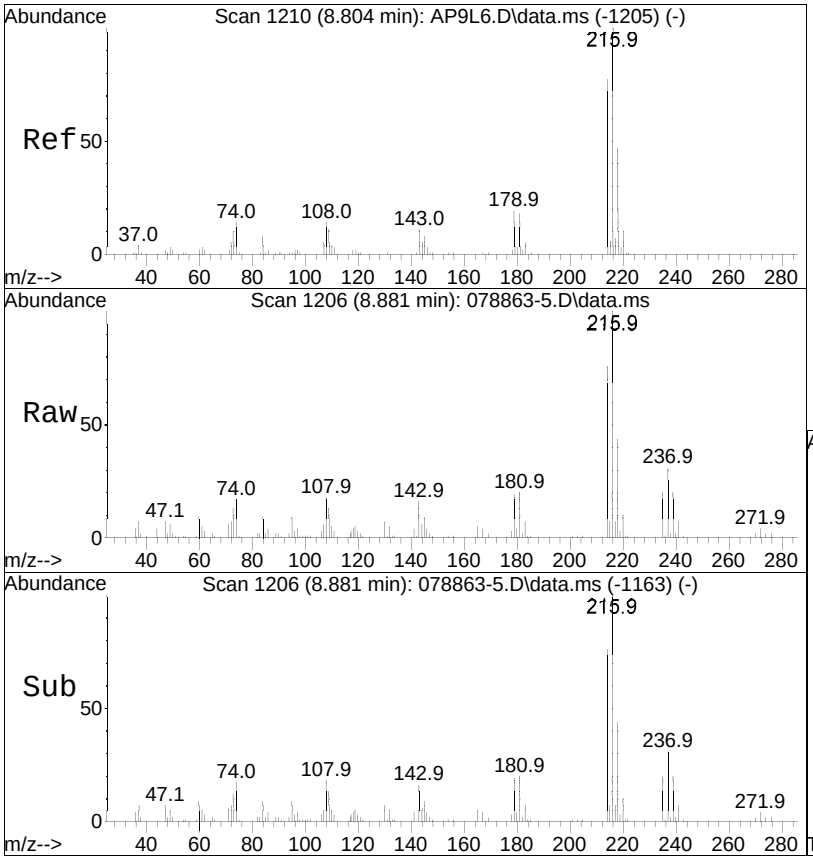


#53
2,6-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 9.545 min Scan# 1319
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:165 Resp: 13474

Ion	Ratio	Lower	Upper
165	100		
89	57.0	54.2	81.2
63	60.8	64.2	96.2#

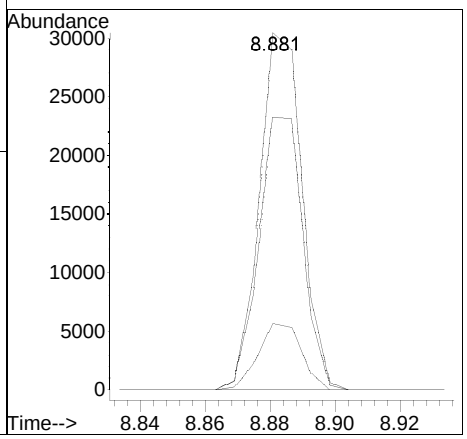


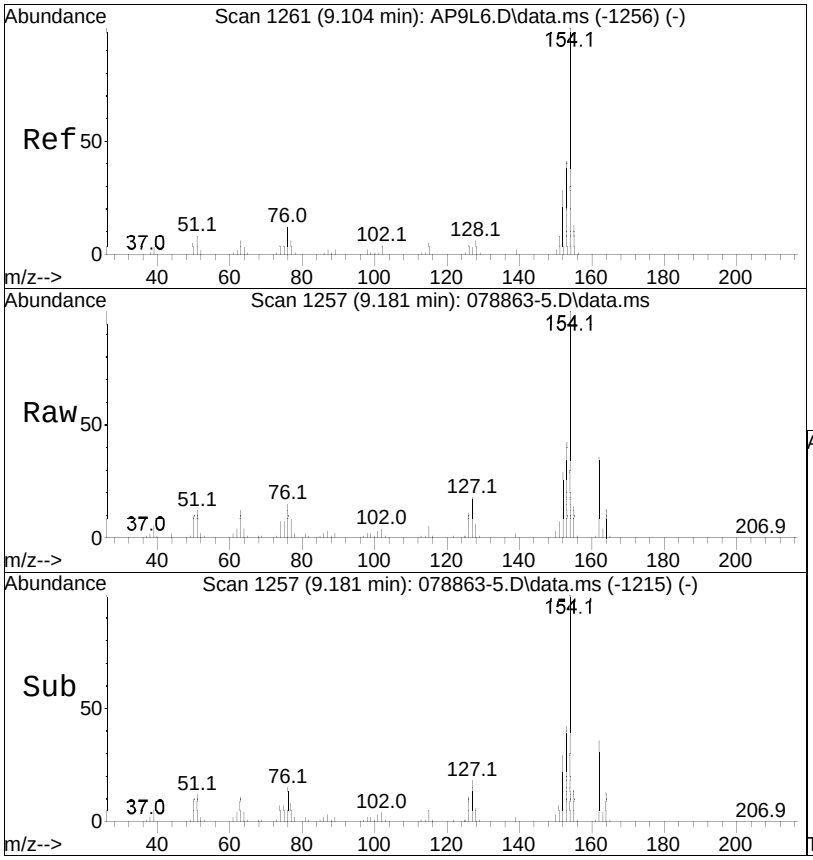


#61
1,2,4,5-Tetrachlorobenzene
Concen: 1.20 ug/ml
RT: 8.881 min Scan# 1206
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:216 Resp: 27619

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.7	95.5
179	19.0	19.0	28.6#

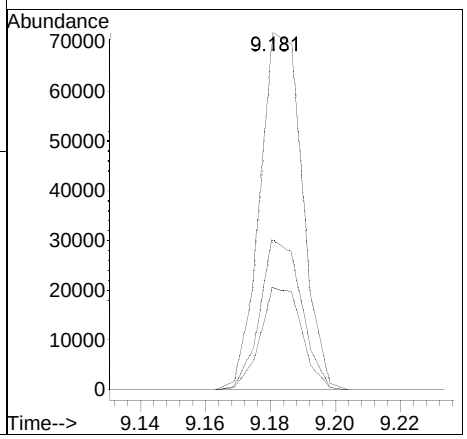


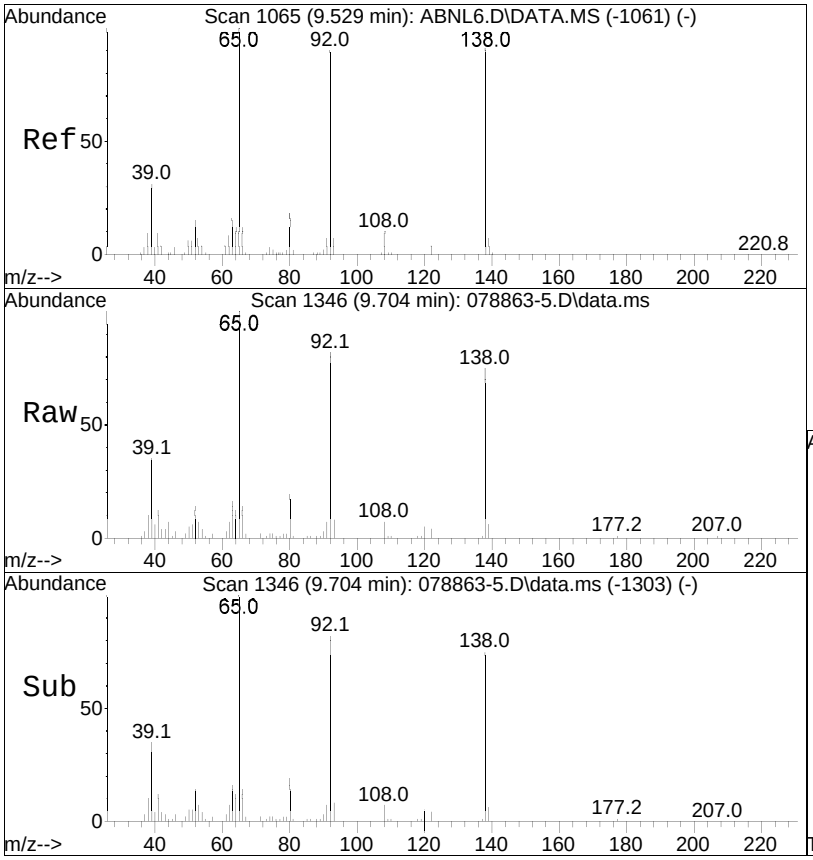


#62
Biphenyl
Concen: 1.28 ug/ml
RT: 9.181 min Scan# 1257
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:154 Resp: 64740

Ion	Ratio	Lower	Upper
154	100		
153	41.2	32.3	48.5
152	28.2	22.5	33.7

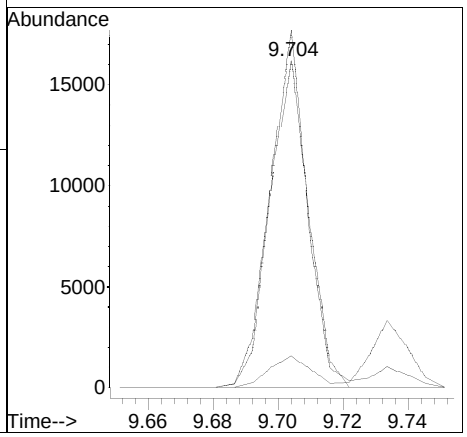


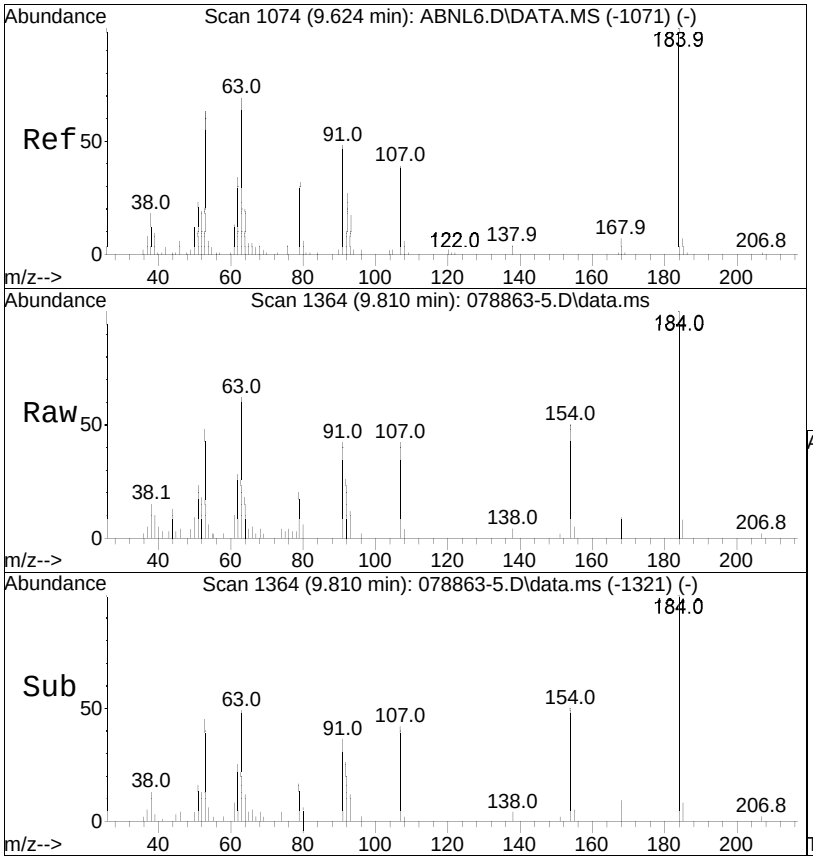


#64
3-Nitroaniline
Concen: 1.50 ug/ml
RT: 9.704 min Scan# 1346
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:138 Resp: 13353

Ion	Ratio	Lower	Upper
138	100		
92	104.4	93.4	140.2
108	10.5	9.5	14.3

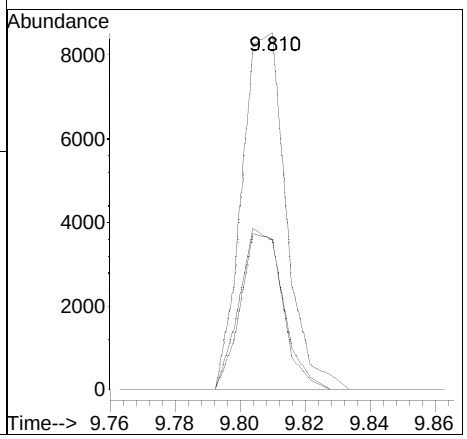


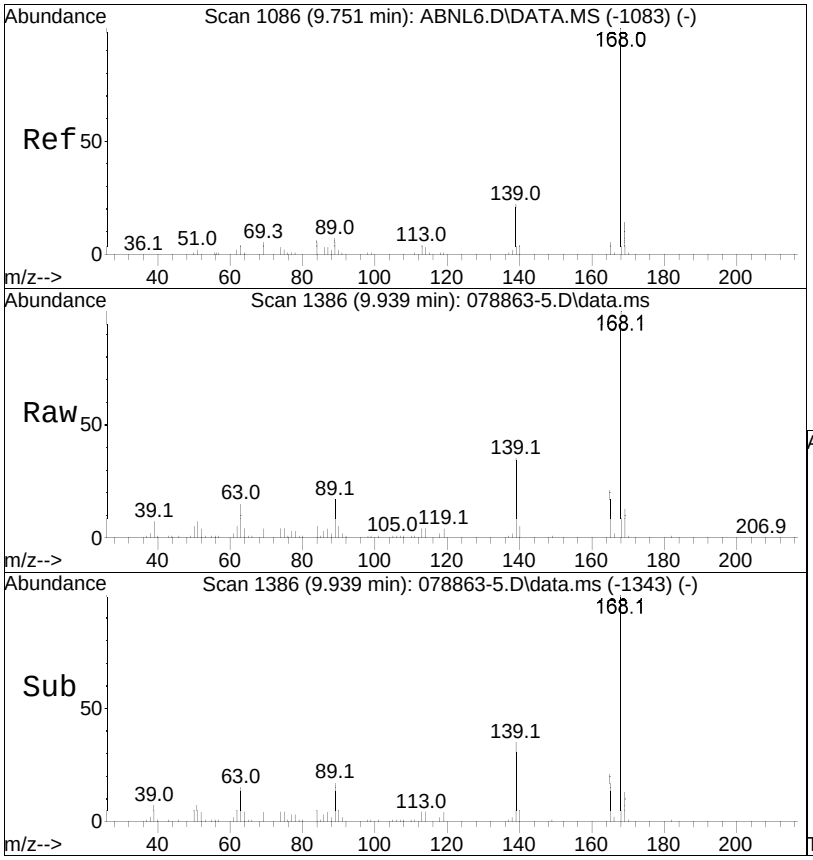


#66
2,4-Dinitrophenol
Concen: 1.85 ug/ml
RT: 9.810 min Scan# 1364
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:184 Resp: 8027

Ion	Ratio	Lower	Upper
184	100		
107	41.9	37.7	56.5
91	44.6	46.3	69.5#

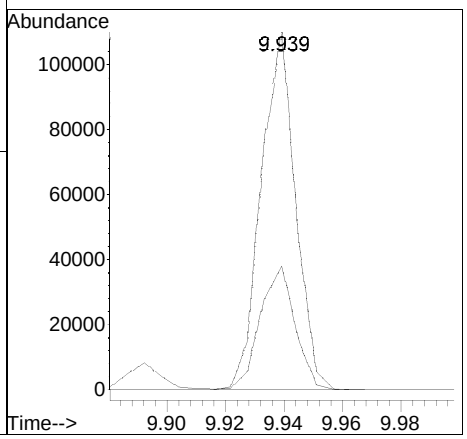


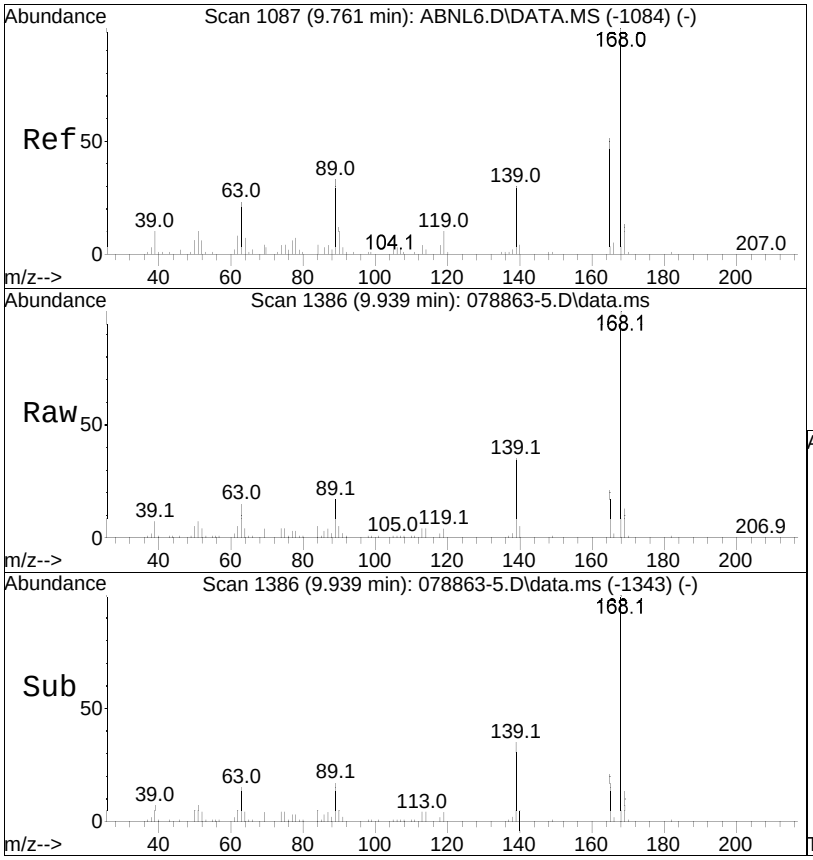


#67
Dibenzofuran
Concen: 1.32 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:168 Resp: 88753

Ion	Ratio	Lower	Upper
168	100		
139	35.4	31.4	47.2

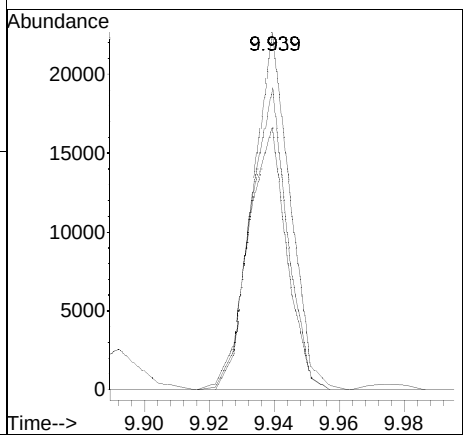


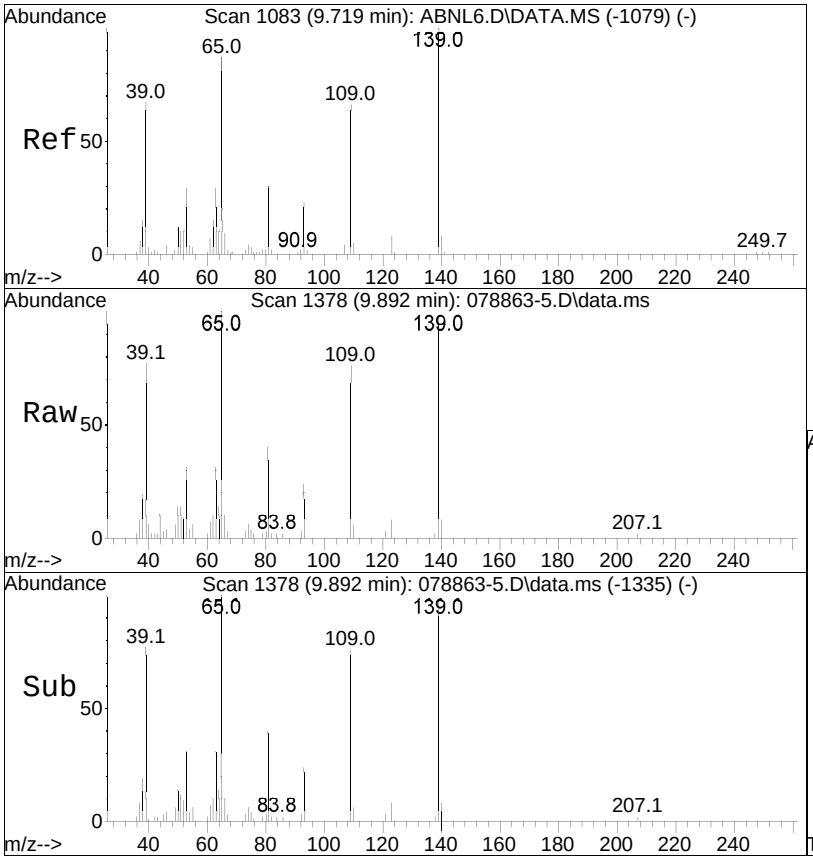


#68
2,4-Dinitrotoluene
Concen: 1.56 ug/ml
RT: 9.939 min Scan# 1386
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:165 Resp: 17943

Ion	Ratio	Lower	Upper
165	100		
89	83.4	72.0	108.0
63	76.4	52.7	79.1

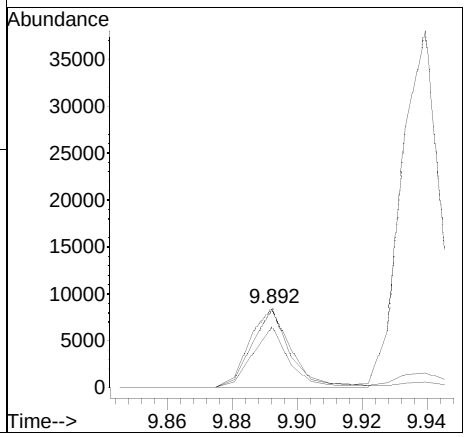


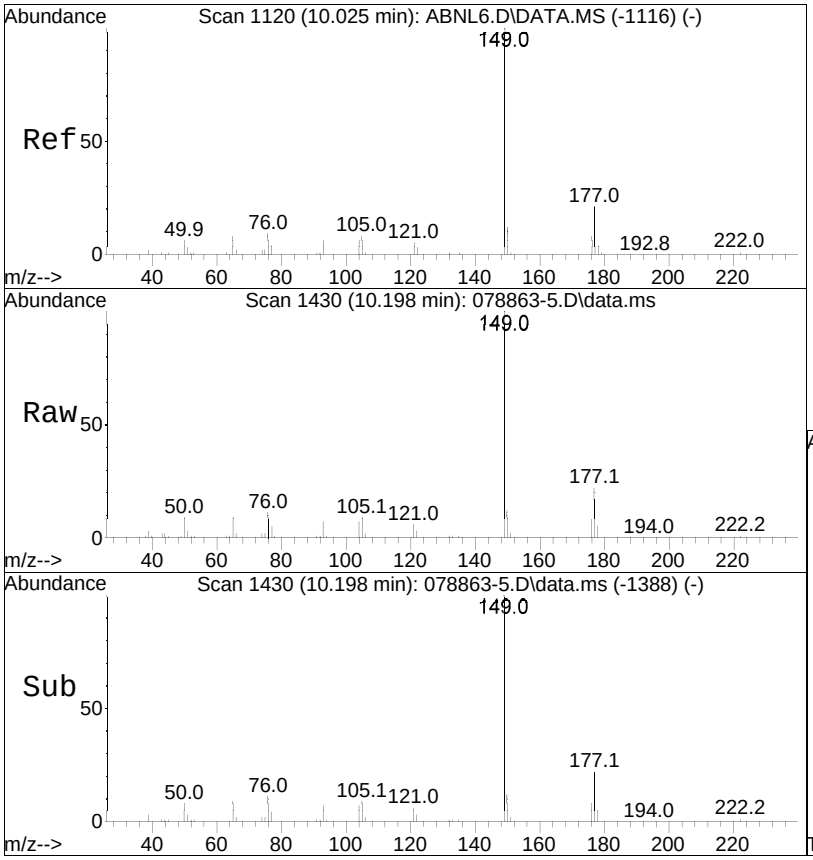


#69
4-Nitrophenol
Concen: 1.08 ug/ml
RT: 9.892 min Scan# 1378
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion: 65 Resp: 7291

Ion	Ratio	Lower	Upper
65	100		
109	69.6	47.4	71.2
139	94.7	76.6	115.0

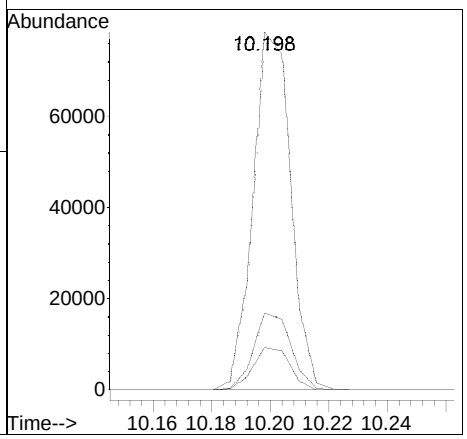


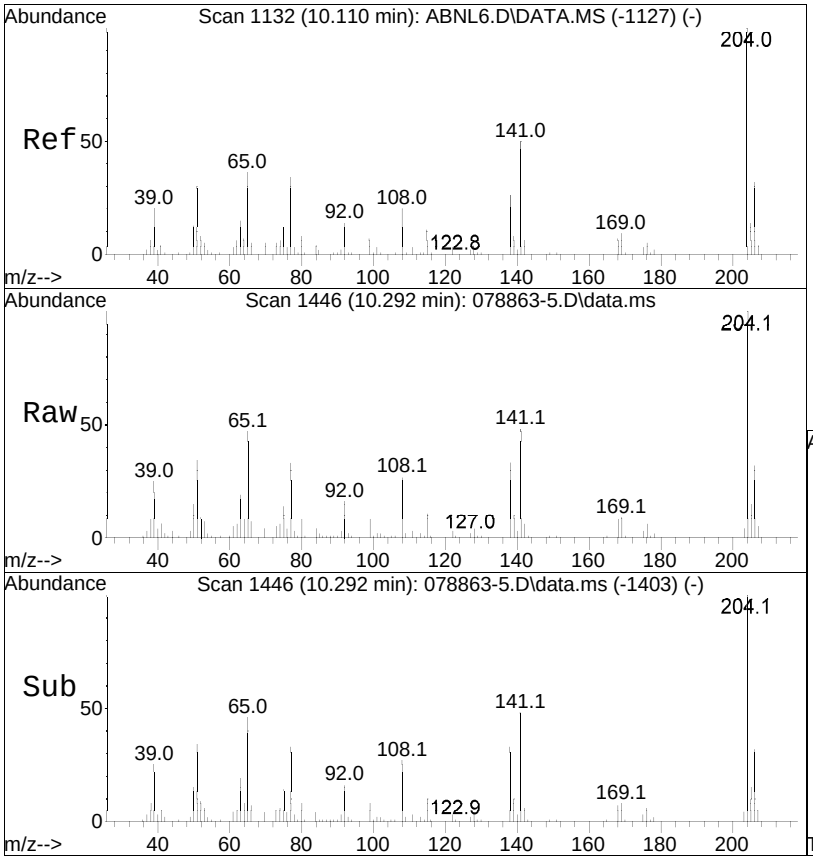


#72
Diethyl phthalate
Concen: 1.45 ug/ml
RT: 10.198 min Scan# 1430
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:149 Resp: 69402

Ion	Ratio	Lower	Upper
149	100		
177	21.4	16.1	24.1
150	11.8	9.4	14.2

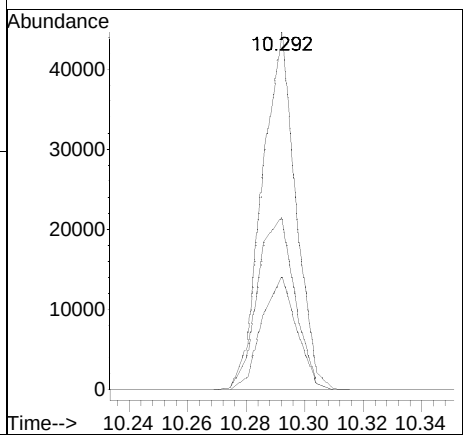


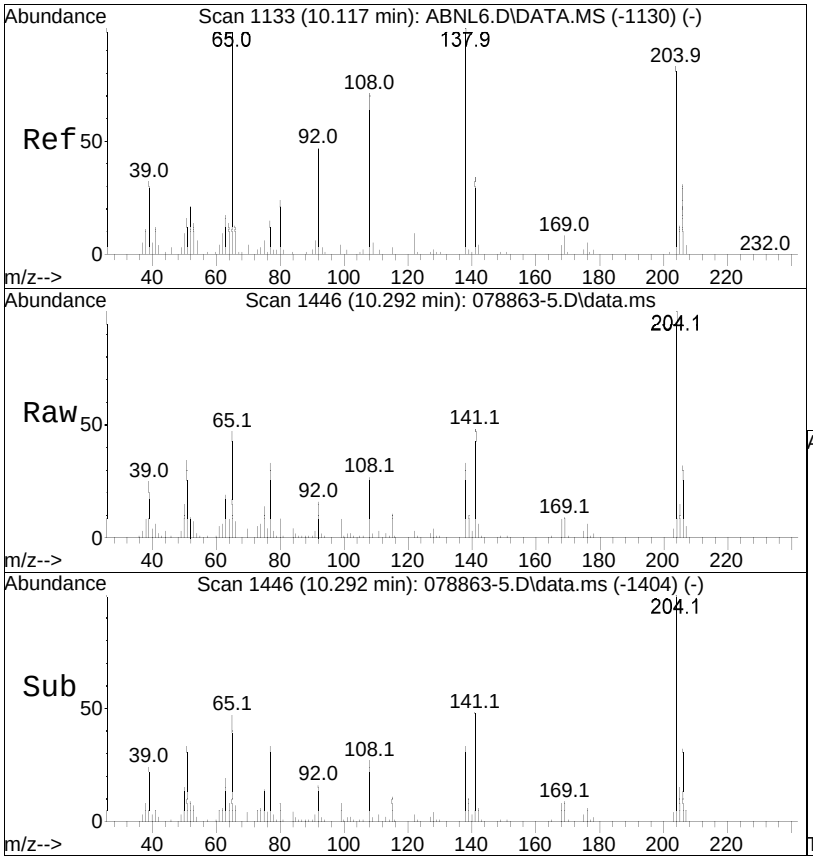


#74
4-Chlorophenyl phenyl ether
Concen: 1.36 ug/ml
RT: 10.292 min Scan# 1446
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:204 Resp: 35352

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	53.6	53.6	80.4#

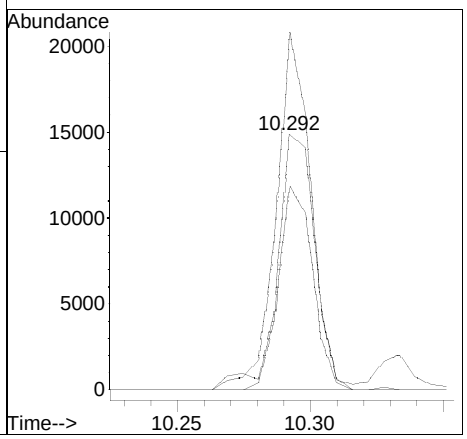


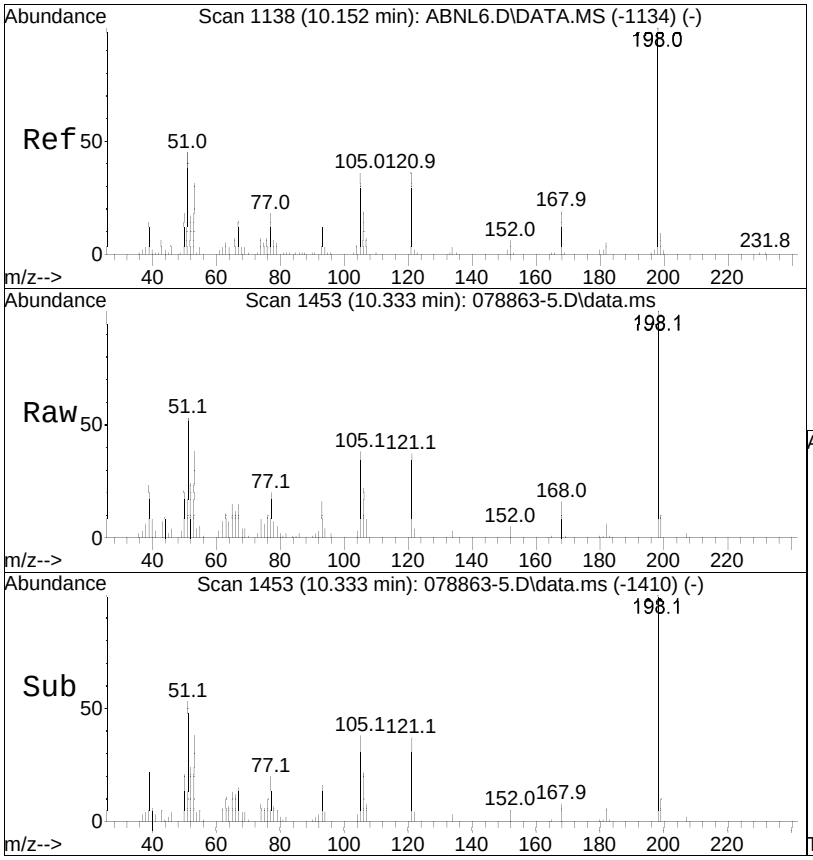


#75
4-Nitroaniline
Concen: 1.68 ug/ml
RT: 10.292 min Scan# 1446
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:138 Resp: 14475

Ion	Ratio	Lower	Upper
138	100		
108	72.8	52.1	78.1
65	129.8	115.0	172.6

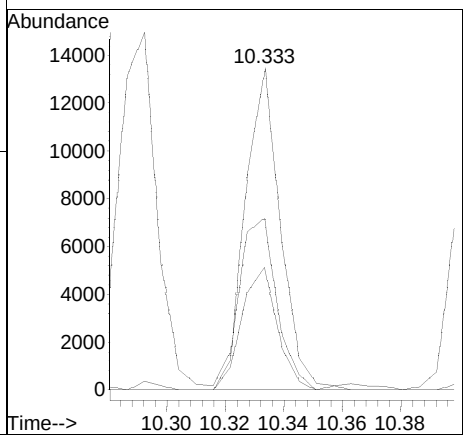


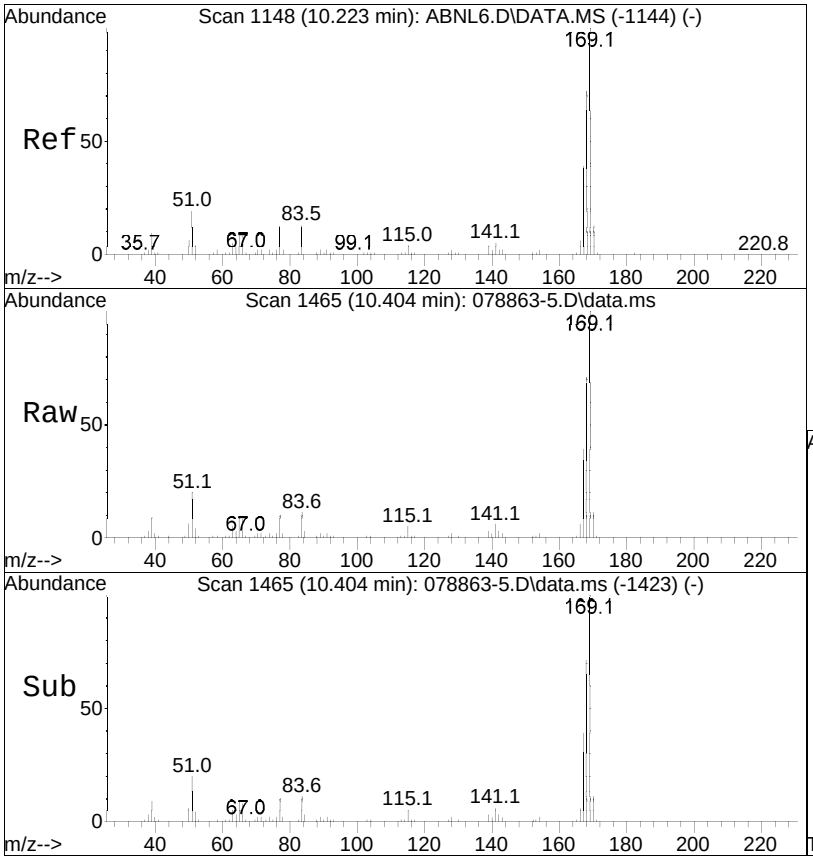


#76
4,6-Dinitro-o-cresol
Concen: 1.82 ug/ml
RT: 10.333 min Scan# 1453
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:198 Resp: 11226

Ion	Ratio	Lower	Upper
198	100		
51	58.0	76.0	114.0#
105	38.6	45.6	68.4#

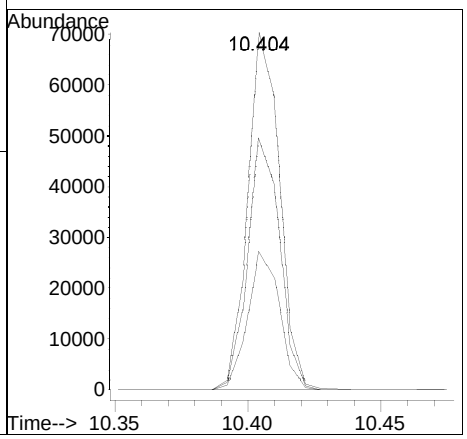


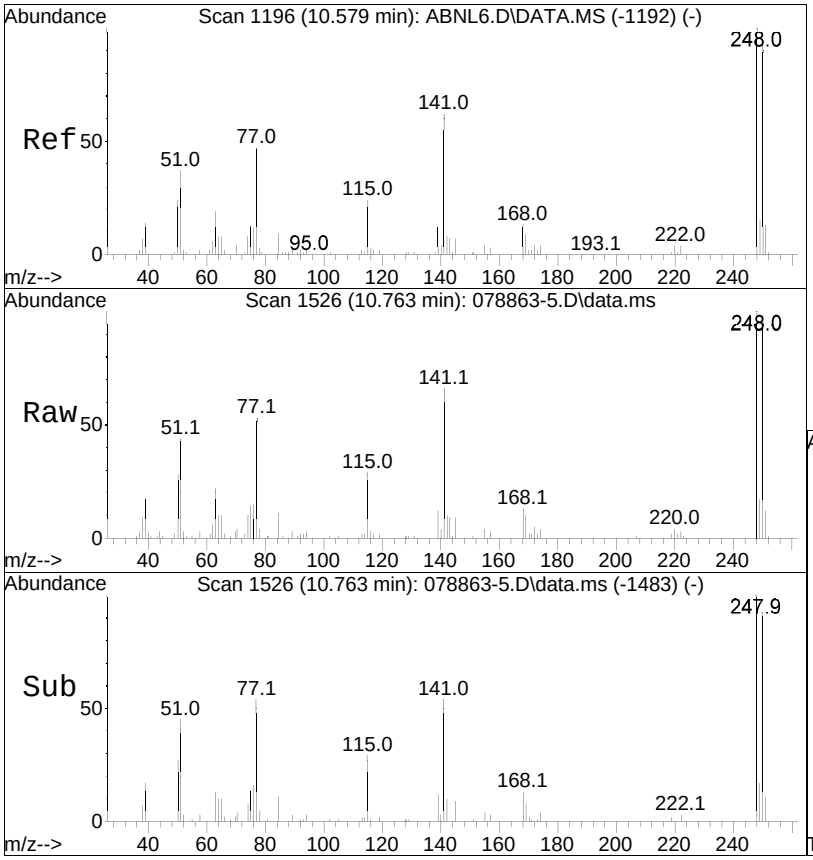


#77
NDPA/DPA
Concen: 1.42 ug/ml
RT: 10.404 min Scan# 1465
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:169 Resp: 58527

Ion	Ratio	Lower	Upper
169	100		
168	71.0	54.0	81.0
167	39.1	28.6	42.8

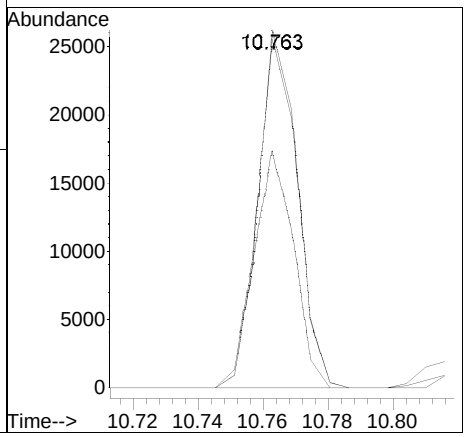


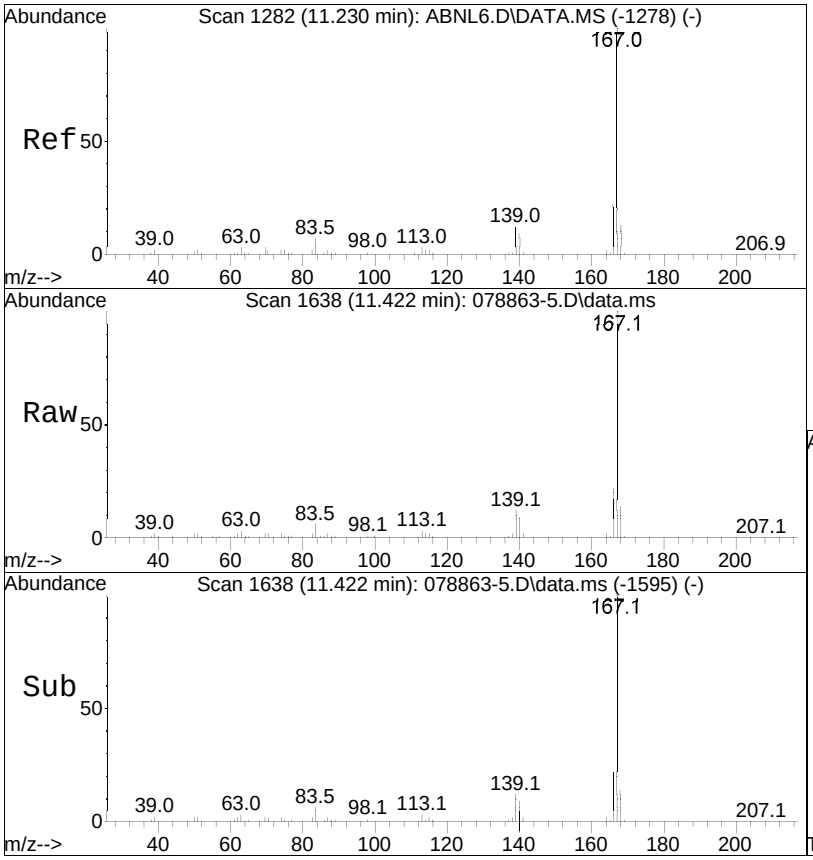


#80
4-Bromophenyl phenyl ether
Concen: 1.34 ug/ml
RT: 10.763 min Scan# 1526
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:248 Resp: 21763

Ion	Ratio	Lower	Upper
248	100		
141	66.7	76.6	114.8#
250	100.0	77.3	115.9

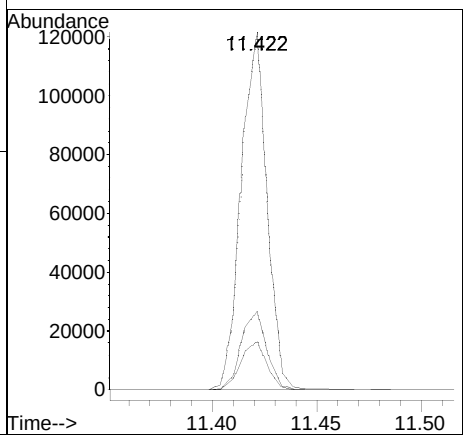


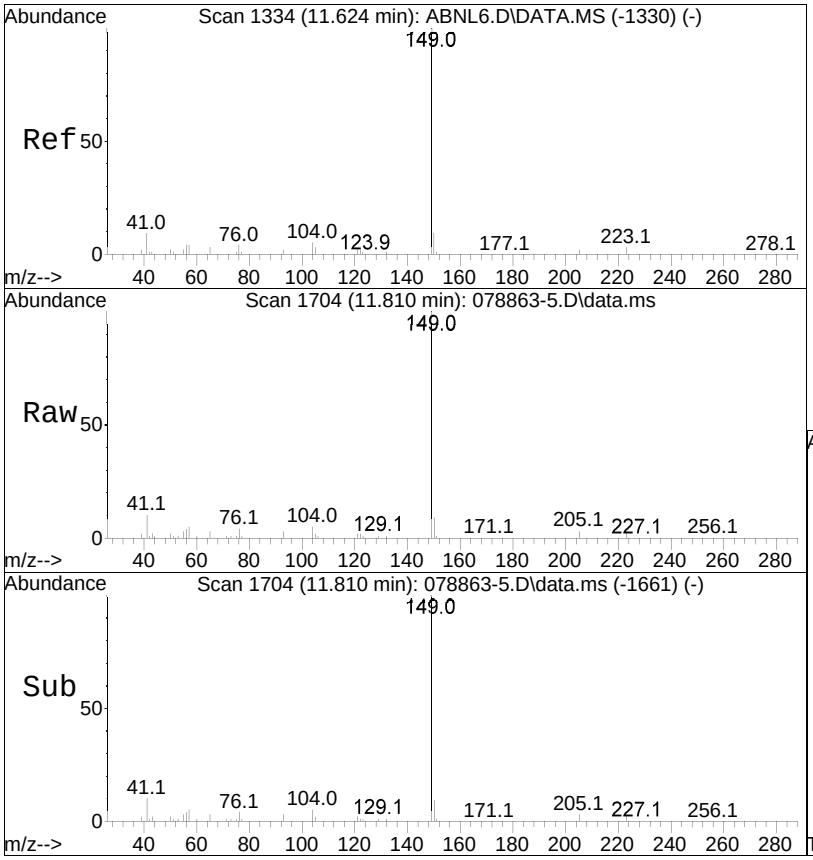


#91
Carbazole
Concen: 1.44 ug/ml
RT: 11.422 min Scan# 1638
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:167 Resp: 103492

Ion	Ratio	Lower	Upper
167	100		
168	13.7	10.6	15.8
166	21.9	17.4	26.0

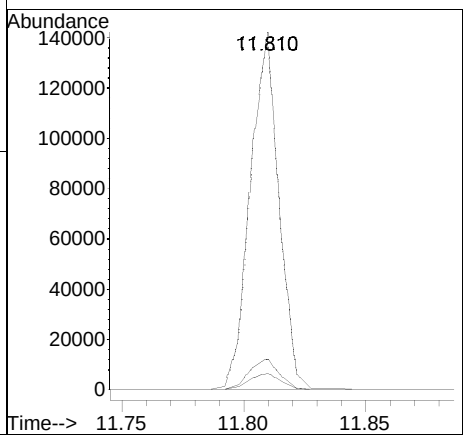


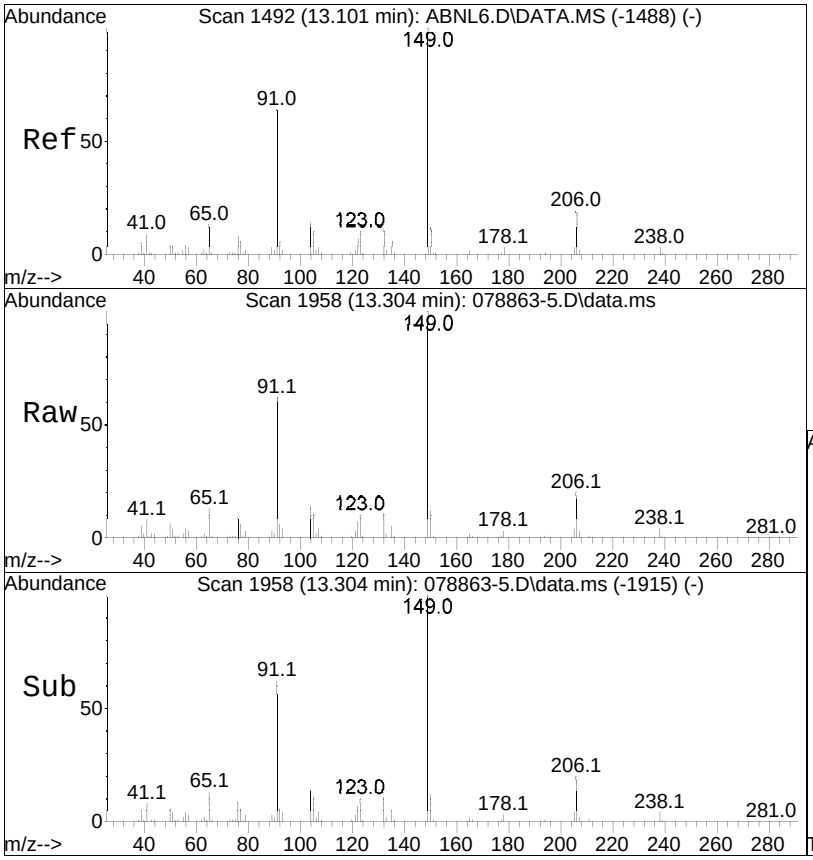


#92
Di-n-butylphthalate
Concen: 1.41 ug/ml
RT: 11.810 min Scan# 1704
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:149 Resp: 114526

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.0	10.6
104	4.8	4.5	6.7

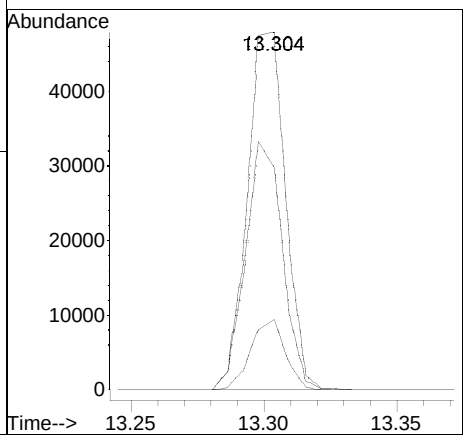


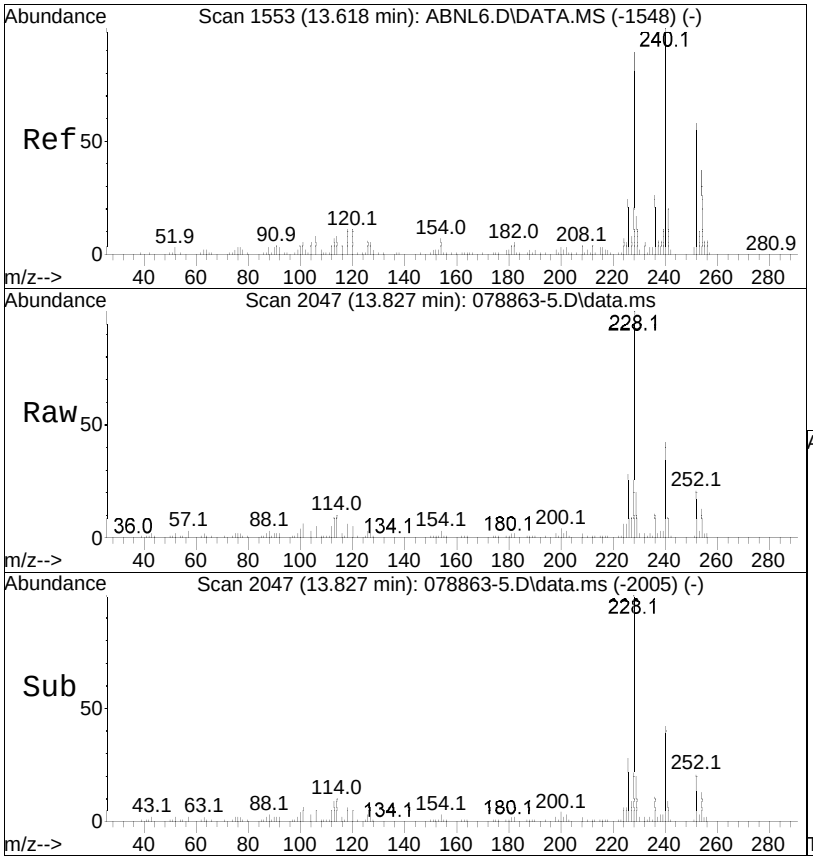


#97
Butyl benzyl phthalate
Concen: 1.56 ug/ml
RT: 13.304 min Scan# 1958
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:149 Resp: 47399

Ion	Ratio	Lower	Upper
149	100		
91	67.4	63.3	94.9
206	17.9	13.9	20.9

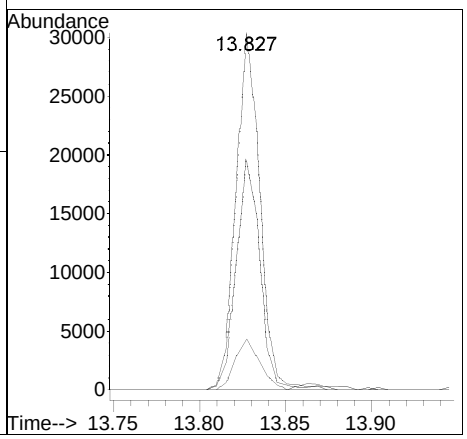


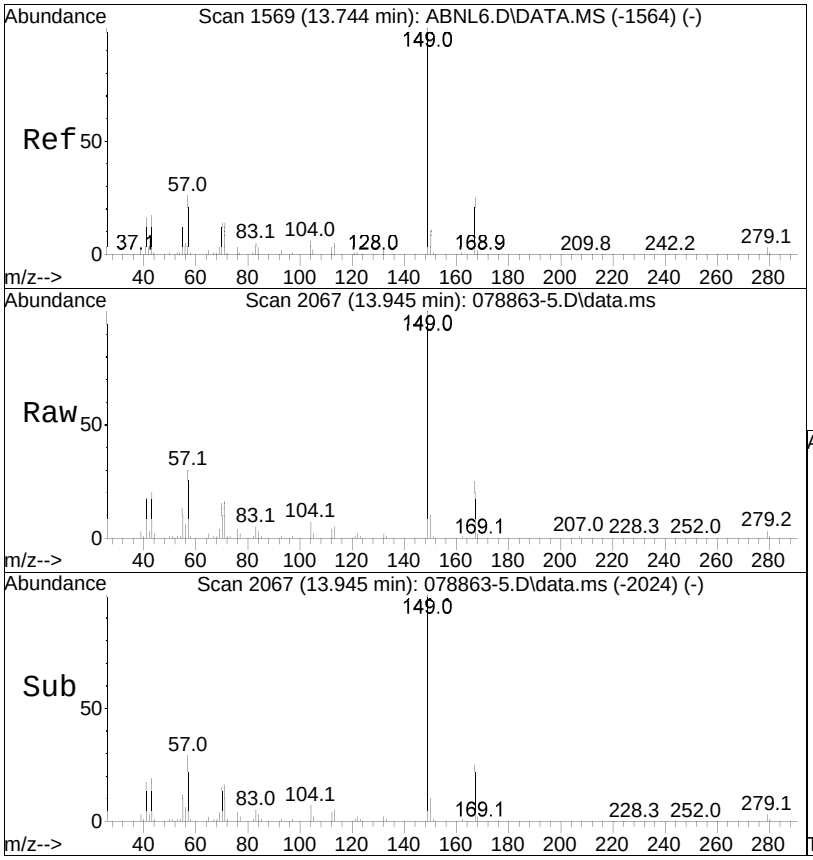


#106
3,3'-Dichlorobenzidine
Concen: 0.89 ug/ml
RT: 13.827 min Scan# 2047
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:252 Resp: 29402

Ion	Ratio	Lower	Upper
252	100		
126	14.8	14.5	21.7
254	63.4	51.2	76.8

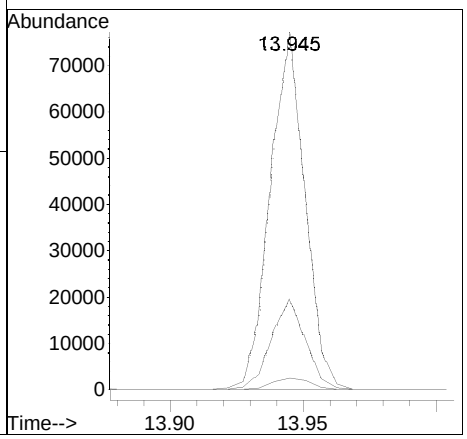


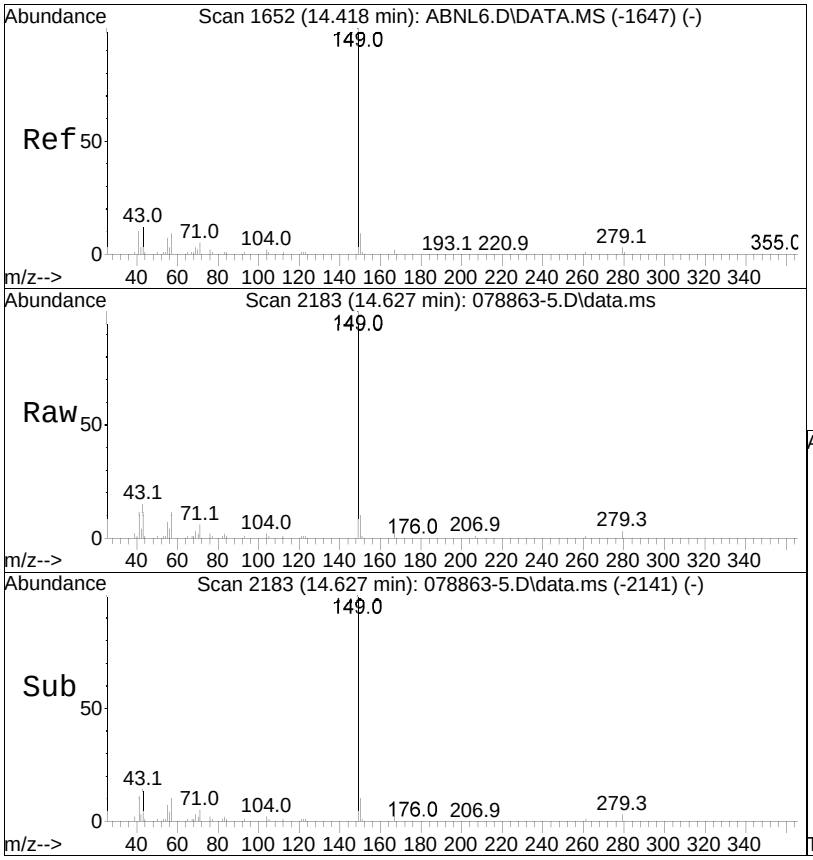


#108
Bis(2-ethylhexyl)phthalate
Concen: 1.37 ug/ml
RT: 13.945 min Scan# 2067
Delta R.T. 0.000 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:149 Resp: 69499

Ion	Ratio	Lower	Upper
149	100		
167	25.1	22.1	33.1
279	3.3	3.0	4.4

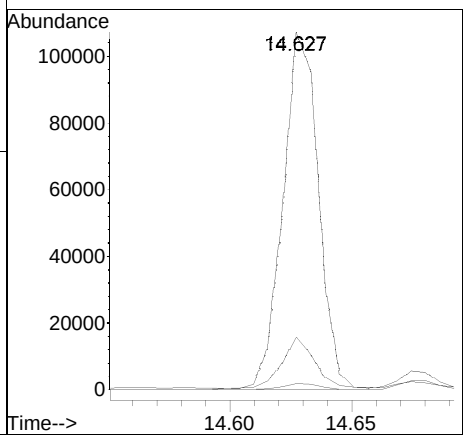




#109
Di-n-octylphthalate
Concen: 1.47 ug/ml
RT: 14.627 min Scan# 2183
Delta R.T. -0.006 min
Lab File: 078863-5.D
Acq: 16 Jun 2025 3:11 am

Tgt Ion:149 Resp: 107273

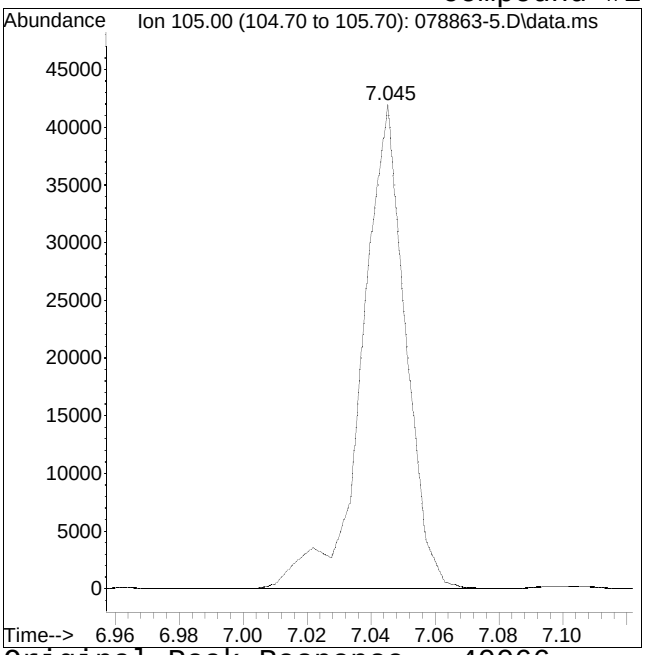
Ion	Ratio	Lower	Upper
149	100		
43	13.6	18.8	28.2#
167	1.5	1.3	1.9



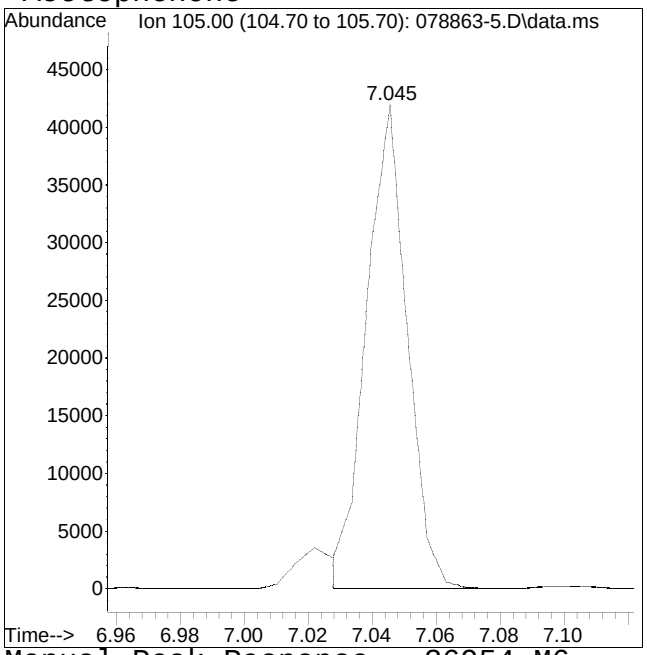
Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : 078863-5.D Operator : SV106:smz
Date Inj'd : 6/16/2025 3:11 am Instrument : SV 106
Sample : WG2078863-5,32,,ASK Quant Date : 6/16/2025 3:30 am

Compound #29: Acetophenone



Original Peak Response = 40066



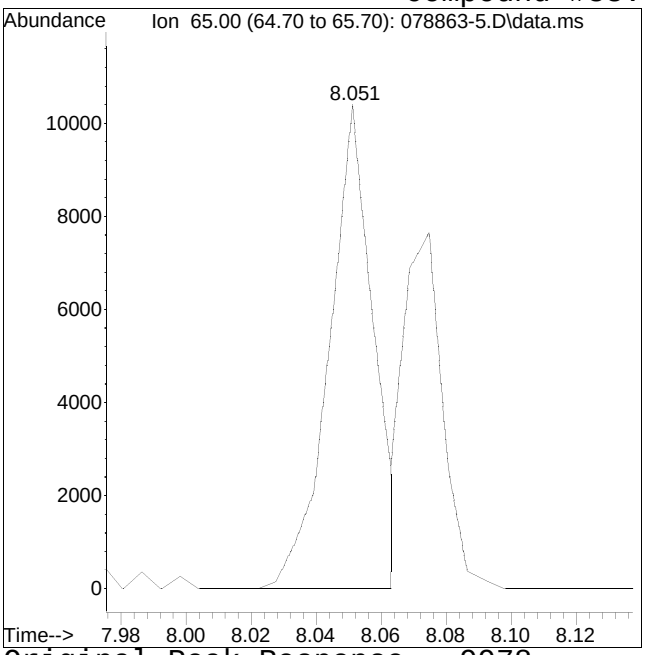
Manual Peak Response = 36954 M6

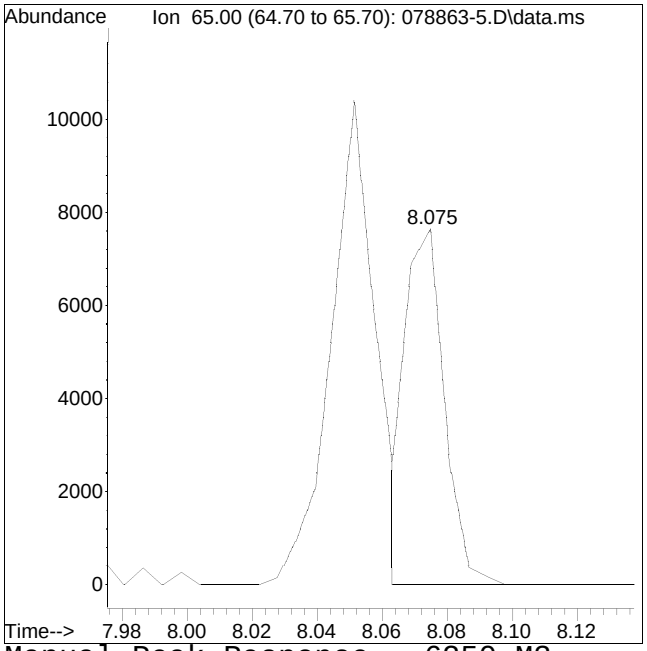
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250615RVT\ QMethod : FS250311SV106.m
Data File : 078863-5.D Operator : SV106:smz
Date Inj'd : 6/16/2025 3:11 am Instrument : SV 106
Sample : WG2078863-5,32,,ASK Quant Date : 6/16/2025 3:30 am

Compound #38: 4-Chloroaniline





Original Peak Response = 9978 Manual Peak Response = 6250 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 23 2025, 11:40 am

Work Group: WG2078863 for Department: 2 Organic Preparation

Created: 14-JUN-25 Due: Operator: ZCH

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2536247-01	MW-06A	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-02	MW-06B	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-03	MW-07A	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-04	MW-07B	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-05	MW-10B	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-06	MW-10A	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-07	MW-09A	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-08	MW-09B	C	NYTCL-8270-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-09	MW-05B	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-10	MW-05A	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-11	MW-08B	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-12	MW-08A	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-13	MW-02A	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-14	MW-02B	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-15	MW-03B	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-16	MW-03A	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-17	MW-04A	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-18	MW-04B	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-20	DUP001	C	NYTCL-8270-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
WG2078863-1	Laboratory Method Bl	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2078863-2	Laboratory Control S	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2078863-3	LCS Duplicate	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2078863-4	Matrix Spike	S	NYTCL-8270-RVT	WATER	DONE	U				
WG2078863-5	Matrix Spike Duplica	S	NYTCL-8270-RVT	WATER	DONE	U				

Comments:

WG2078863-3	WG2078863-2
WG2078863-4	L2536247-12
WG2078863-5	L2536247-12

Analysis log File

Total Files Reported in Log : 33
Log Generated From Directory: I:\8270\SV106\250311RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT(SIM).	Tune1 Lot# 11459	WG2039658,,ical	3/11/2025 4:27 pm
2	ABNL9.D	ABNRVT(SIM).	IL2,32,,ABNL50 Lot# 114	WG2039658,,ical	3/11/2025 4:50 pm
3	ABNL8.D	ABNRVT(SIM).	IL3,32,,ABNL25 Lot# 114	WG2039658,,ical	3/11/2025 5:14 pm
4	ABNL7.D	ABNRVT(SIM).	IL4,32,,ABNL10 Lot# 114	WG2039658,,ical	3/11/2025 5:37 pm
5	ABNL6.D	ABNRVT(SIM).	IL5,32,,ABNL5 Lot# 1142	WG2039658,,ical	3/11/2025 6:01 pm
6	ABNL5.D	ABNRVT(SIM).	IL6,32,,ABNL2.5 Lot# 11	WG2039658,,ical	3/11/2025 6:24 pm
7	ABNL4.D	ABNRVT(SIM).	IL7,32,,ABNL1 Lot# 1143	WG2039658,,ical	3/11/2025 6:48 pm
8	ABNL3.D	ABNRVT(SIM).	IL8,32,,ABNL0.5 Lot# 11	WG2039658,,ical	3/11/2025 7:11 pm
9	ABNL2.D	ABNRVT(SIM).	IL9,32,,ABNL0.2 Lot# 11	WG2039658,,ical	3/11/2025 7:34 pm
10	ABNL1.D	ABNRVT(SIM).	IL10,32,,ABNL0.1 Lot# 1	WG2039658,,ical	3/11/2025 7:58 pm
11	ABNICV.D	ABNRVT(SIM).	CQICV1,32,,ABNICV Lot#	WG2039658,,ical	3/11/2025 10:18 pm
12	Tune2.D	ABNRVT(SIM).	Tune2 Lot# 11459	WG2039658,,ical	3/11/2025 11:05 pm
13	AP9L9.D	ABNRVT(SIM).	IL2,32,,AP9L50 Lot# 114	WG2039658,,ical	3/11/2025 11:29 pm
14	AP9L8.D	ABNRVT(SIM).	IL3,32,,AP9L25 Lot# 114	WG2039658,,ical	3/11/2025 11:52 pm
15	AP9L6.D	ABNRVT(SIM).	IL5,32,,AP9L5 Lot# 1143	WG2039658,,ical	3/12/2025 12:39 am
16	AP9L7.D	ABNRVT(SIM).	IL4,32,,AP9L10 Lot# 114	WG2039658,,ical	3/12/2025 12:15 am
17	AP9L5.D	ABNRVT(SIM).	IL6,32,,AP9L2.5 Lot# 11	WG2039658,,ical	3/12/2025 1:02 am
18	AP9L4.D	ABNRVT(SIM).	IL7,32,,AP9L1 Lot# 1143	WG2039658,,ical	3/12/2025 1:26 am
19	AP9L3.D	ABNRVT(SIM).	IL8,32,,AP9L0.5 Lot# 11	WG2039658,,ical	3/12/2025 1:49 am
20	AP9L2.D	ABNRVT(SIM).	IL9,32,,AP9L0.2 Lot# 11	WG2039658,,ical	3/12/2025 2:12 am
21	AP9L1.D	ABNRVT(SIM).	IL10,32,,AP9L0.1 Lot# 1	WG2039658,,ical	3/12/2025 2:36 am
22	ADPL9.D	ABNRVT(SIM).	IL2,32,,ADPL50 Lot# 114	WG2039658,,ical	3/12/2025 2:59 am
23	ADPL8.D	ABNRVT(SIM).	IL3,32,,ADPL25 Lot# 114	WG2039658,,ical	3/12/2025 3:23 am
24	ADPL7.D	ABNRVT(SIM).	IL4,32,,ADPL10 Lot# 114	WG2039658,,ical	3/12/2025 3:46 am
25	ADPL6.D	ABNRVT(SIM).	IL5,32,,ADPL5 Lot# 1144	WG2039658,,ical	3/12/2025 4:09 am
26	ADPL5.D	ABNRVT(SIM).	IL6,32,,ADPL2.5 Lot# 11	WG2039658,,ical	3/12/2025 4:33 am
27	ADPL4.D	ABNRVT(SIM).	IL7,32,,ADPL1 Lot# 1144	WG2039658,,ical	3/12/2025 4:56 am
28	ADPL3.D	ABNRVT(SIM).	IL8,32,,ADPL0.5 Lot# 11	WG2039658,,ical	3/12/2025 5:20 am
29	ADPL2.D	ABNRVT(SIM).	IL9,32,,ADPL0.2 Lot# 11	WG2039658,,ical	3/12/2025 5:43 am
30	ADPL1.D	ABNRVT(SIM).	IL10,32,,ADPL0.1 Lot# 1	WG2039658,,ical	3/12/2025 6:06 am
31	AP9ICV.D	ABNRVT(SIM).	CQICV2,32,,AP9ICV Lot#	WG2039658,,ical	3/12/2025 6:30 am
32	ADPICV.D	ABNRVT(SIM).	CQICV,32,,ADPICV Lot# 1	WG2039658,,ical	3/12/2025 6:53 am
33	Blank.D	ABNRVT(SIM).	RVT Instrument Blank	wg,,ical	3/12/2025 7:16 am

SeqLog 1.0 - (c) 2009 Abacus Database Applications

Dep.: GCMS
Inst: SV106
Date: **06/15/25**
Run: **Night-Run**

Method
GC: ABNRVT

Seq: **WG2078811**
ICAL: **22075**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0615	wg-1,32,,SV106 Degdftpp Lot # 11339				slr 6/18
142	ABN0615	wg-3,32,,ABN RVT CCV Lot # 11	**Full List: Some Outages**			slr 6/18
143	AP90615	wg-4,32,,AP9 RVT CCV Lot # 11482				slr 6/18
144	ADP0615	wg-5,32,,ADP RVT CCV Lot # 11299				slr 6/18
1	078863-1	WG2078863-1,32,,ASK				smz 6/23
2	078863-2	WG2078863-2,32,,ASK				smz 6/23
3	078863-3	WG2078863-3,32,,ASK				smz 6/23
4	36513-08	L2536513-08,32,,ASK				slr 6/18
5	36513-09	L2536513-09,32,,ASK				slr 6/18
6	36513-10	L2536513-10,32,,ASK				slr 6/18
7	36247-01	L2536247-01,32,,ASK				smz 6/23
8	36247-02	L2536247-02,32,,ASK				smz 6/23
9	36247-03	L2536247-03,32,,ASK				smz 6/23
10	36247-04	L2536247-04,32,,ASK				smz 6/23
11	36247-05	L2536247-05,32,,ASK				smz 6/23
12	36247-06	L2536247-06,32,,ASK				smz 6/23
13	36247-07	L2536247-07,32,,ASK				smz 6/23
14	36247-08	L2536247-08,32,,ASK				smz 6/23
15	36247-09	L2536247-09,32,,ASK				smz 6/23
16	36247-10	L2536247-10,32,,ASK				smz 6/23
17	36247-11	L2536247-11,32,,ASK				smz 6/23
18	078863-4	WG2078863-4,32,,ASK				smz 6/23
19	078863-5	WG2078863-5,32,,ASK				smz 6/23
20	36247-12	L2536247-12,32,,ASK				smz 6/23
21	36247-13	L2536247-13,32,,ASK				smz 6/23
22	36247-14	L2536247-14,32,,ASK				smz 6/23
23	36247-15	L2536247-15,32,,ASK				smz 6/23
24	36247-16	L2536247-16,32,,ASK				smz 6/23
25	36247-17	L2536247-17,32,,ASK				smz 6/23
26	36247-18	L2536247-18,32,,ASK				smz 6/23
27	36247-20	L2536247-20,32,,ASK			**ASK**	smz 6/23
					sv-hny	

ORGANIC ELN REPORT

Workgroup: WG2078863

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN
Spike Verify by: ZCH
Lims Spikelot: 8270-RVT

Lot #: EK096
Lot #: 11605al,11/07/2025,3c,7,1
Lot #: 11463ad,07/31/2025 / 11607ah,

Additional Reagents/Stds

H2SO4	A052325
Na2SO4	241307
NaOH	10NNaOH052925

Conc.Method: Buchi
Solvent Type: DCM
Lot #: ek254

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2536247-01 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-02 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-03 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-04 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-05 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-06 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-07 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K

Reported: 23-JUN-25 11:40 AM

ORGANIC ELN REPORT

Workgroup: WG2078863

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2536247-08 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-09 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-10 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-11 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-12 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-13 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-14 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-15 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-16 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-17 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									

ORGANIC ELN REPORT

Workgroup: WG2078863

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2536247-18 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-20 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
WG2078863-1 BLANK	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
	WG2078864									
WG2078863-2 LCS	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K
WG2078863-3 LCSD	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K
WG2078863-4 MS	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K
WG2078863-5 MSD	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K

Semivolatiles Data
by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary
Form 2
Semivolatiles

Client: P. W. Grosser
Project Name: ROANOKE SAND AND GRAVEL

Lab Number: L2536247
Project Number: BSD1504
Matrix: Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-06A (L2536247-01)	78	74	183*	134*	136*	146	3
MW-06B (L2536247-02)	49	31	88	60	79	77	0
MW-07A (L2536247-03)	46	36	86	76	76	68	0
MW-07B (L2536247-04)	47	37	83	72	71	64	0
MW-10B (L2536247-05)	50	37	88	76	76	72	0
MW-10A (L2536247-06)	49	38	79	74	81	76	0
MW-09A (L2536247-07)	46	35	71	68	75	70	0
MW-09B (L2536247-08)	50	37	84	72	76	71	0
MW-05B (L2536247-09)	41	31	69	61	58	59	0
MW-05A (L2536247-10)	50	37	83	78	87	80	0
MW-08B (L2536247-11)	52	40	86	75	77	71	0
MW-08A (L2536247-12)	50	35	74	73	72	83	0
MW-02A (L2536247-13)	51	36	76	75	76	85	0
MW-02B (L2536247-14)	48	35	81	73	77	75	0
MW-03B (L2536247-15)	47	33	75	75	74	83	0
MW-03A (L2536247-16)	47	37	81	79	70	97	0
MW-04A (L2536247-17)	36	27	54	55	71	85	0
MW-04B (L2536247-18)	57	40	78	76	79	87	0
DUP001 (L2536247-20)	48	35	73	73	77	94	0
WG2078864-1BLANK	56	40	81	75	79	92	0
WG2078864-2LCS	45	35	63	60	68	73	0
WG2078864-3LCSD	52	39	72	69	80	81	0
MW-08AMS	51	37	72	70	76	80	0
MW-08AMSD	53	39	78	73	80	86	0

QC LIMITS

(21-120)	2FP = 2-FLUOROPHENOL
(10-120)	PHL = PHENOL-D6
(23-120)	NBZ = NITROBENZENE-D5
(15-120)	FBP = 2-FLUOROBIPHENYL
(10-120)	TBP = 2,4,6-TRIBROMOPHENOL
(41-149)	TPH = 4-TERPHENYL-D14

*** Values outside of QC limits**

FORM II NYTCL-8270-SIM-RVT

Laboratory Control Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix (Level)	: WATER (LOW)		
LCS Sample ID	: WG2078864-2 **Analysis Date** : 06/23/25 16:06	**File ID**	: 078864-2
LCSD Sample ID	: WG2078864-3 **Analysis Date** : 06/23/25 16:23	**File ID**	: 078864-3

	Laboratory Control Sample				Laboratory Control Duplicate					
Parameter	True (ug/l)	Found (ug/l)	%R		True (ug/l)	Found (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	20	12	58		20	13	65	11	40-140	40
2-Chloronaphthalene	20	11	55		20	12	63	14	40-140	40
Fluoranthene	20	13	64		20	14	72	12	40-140	40
Hexachlorobutadiene	20	7.4	37	Q	20	9.8	49	28	40-140	40
Naphthalene	20	10	50		20	12	61	20	40-140	40
Benzo(a)anthracene	20	13	65		20	14	72	10	40-140	40
Benzo(a)pyrene	20	14	68		20	15	76	11	40-140	40
Benzo(b)fluoranthene	20	14	68		20	15	76	11	40-140	40
Benzo(k)fluoranthene	20	14	69		20	15	76	10	40-140	40
Chrysene	20	13	65		20	14	72	10	40-140	40
Acenaphthylene	20	12	60		20	13	67	11	40-140	40
Anthracene	20	12	63		20	14	70	11	40-140	40
Benzo(ghi)perylene	20	15	75		20	16	81	8	40-140	40
Fluorene	20	12	61		20	14	68	11	40-140	40
Phenanthrene	20	12	60		20	13	67	11	40-140	40
Dibenzo(a,h)anthracene	20	15	73		20	16	79	8	40-140	40
Indeno(1,2,3-cd)pyrene	20	14	72		20	15	77	7	40-140	40
Pyrene	20	12	62		20	14	71	14	40-140	40
2-Methylnaphthalene	20	10	52		20	12	62	18	40-140	40
Pentachlorophenol	20	15	76		20	17	83	9	40-140	40
Hexachlorobenzene	20	14	70		20	15	77	10	40-140	40
Hexachloroethane	20	7.0	35	Q	20	9.6	48	31	40-140	40

Matrix Spike Sample Summary
Form 3
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix (Level)**	: WATER (LOW)
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/23/25 18:58
Matrix Spike	: WG2078864-4	**MS Analysis Date**	: 06/23/25 19:15
Matrix Spike Dup	: WG2078864-5	**MSD Analysis Date**	: 06/23/25 19:32

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (ug/l)	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	Spike Added (ug/l)	Spike Conc. (ug/l)	%R	RPD	Recovery Limits	RPD Limit
Acenaphthene	ND	20	13	65	20	14	70	7	40-140	40
2-Chloronaphthalene	ND	20	13	65	20	13	65	0	40-140	40
Fluoranthene	ND	20	14	70	20	15	75	7	40-140	40
Hexachlorobutadiene	ND	20	9.6	48	20	8.1	41	17	40-140	40
Naphthalene	ND	20	12	60	20	12	60	0	40-140	40
Benzo(a)anthracene	ND	20	14	70	20	15	75	7	40-140	40
Benzo(a)pyrene	ND	20	14	70	20	15	75	7	40-140	40
Benzo(b)fluoranthene	ND	20	14	70	20	15	75	7	40-140	40
Benzo(k)fluoranthene	ND	20	16	80	20	16	80	0	40-140	40
Chrysene	ND	20	14	70	20	15	75	7	40-140	40
Acenaphthylene	ND	20	14	70	20	14	70	0	40-140	40
Anthracene	ND	20	14	70	20	14	70	0	40-140	40
Benzo(ghi)perylene	ND	20	15	75	20	17	85	13	40-140	40
Fluorene	ND	20	14	70	20	14	70	0	40-140	40
Phenanthrene	ND	20	13	65	20	14	70	7	40-140	40
Dibenzo(a,h)anthracene	ND	20	15	75	20	16	80	6	40-140	40
Indeno(1,2,3-cd)pyrene	ND	20	13	65	20	14	70	7	40-140	40
Pyrene	ND	20	14	70	20	15	75	7	40-140	40
2-Methylnaphthalene	ND	20	12	60	20	12	60	0	40-140	40
Pentachlorophenol	ND	20	16	80	20	17	85	6	40-140	40
Hexachlorobenzene	ND	20	15	75	20	16	80	6	40-140	40
Hexachloroethane	ND	20	9.3	47	20	7.8	39 Q	18	40-140	40

Method Blank Summary
Form 4
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab Sample ID	: WG2078864-1	**Lab File ID**	: 078864-1
Instrument ID	: SV119	**Extraction Date**	: 06/14/25
Matrix	: WATER	**Analysis Date**	: 06/23/25 16:40
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
MW-10A	L2536247-06	06/23/25 06:49
MW-09A	L2536247-07	06/23/25 07:06
MW-05A	L2536247-10	06/23/25 07:57
WG2078864-2LCS	WG2078864-2	06/23/25 16:06
WG2078864-3LCSD	WG2078864-3	06/23/25 16:23
MW-02A	L2536247-13	06/23/25 16:57
MW-03B	L2536247-15	06/23/25 17:32
MW-03A	L2536247-16	06/23/25 17:49
MW-04A	L2536247-17	06/23/25 18:06
MW-04B	L2536247-18	06/23/25 18:23
DUP001	L2536247-20	06/23/25 18:40
MW-08A	L2536247-12	06/23/25 18:58
MW-08AMS	WG2078864-4	06/23/25 19:15
MW-08AMSD	WG2078864-5	06/23/25 19:32
MW-07A	L2536247-03	06/26/25 04:35
MW-07B	L2536247-04	06/26/25 04:52
MW-10B	L2536247-05	06/26/25 05:09
MW-09B	L2536247-08	06/26/25 05:26
MW-05B	L2536247-09	06/26/25 05:43
MW-06A	L2536247-01	06/26/25 05:45
MW-08B	L2536247-11	06/26/25 06:00
MW-06B	L2536247-02	06/26/25 06:08
MW-02B	L2536247-14	06/26/25 06:17

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 02/03/25 15:28
Tune Standard	: R1929042-11	**Tune File ID**	: TUNEa_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52
68	Less than 2.0% of mass 69	0.6 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	52.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	25.7
365	Greater than 1.0% of mass 198	2.9
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	78
443	15.0 - 24.0% of mass 442	14.7 (18.8)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1929042-2	L10	02/03/25 15:47
L9	R1929042-10	L9	02/03/25 16:04
L8	R1929042-7	L8	02/03/25 16:20
L7	R1929042-9	L7	02/03/25 16:38
L6	R1929042-8	L6	02/03/25 16:55
L5	R1929042-6	L5	02/03/25 17:12
L4	R1929042-5	L4	02/03/25 17:29
L3	R1929042-4	L3	02/03/25 17:46
L2	R1929042-3	L2	02/03/25 18:03
L1	R1929042-1	L1	02/03/25 18:20
ICV Quant Report	R1929042-12	ICV	02/03/25 18:37

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 06/22/25 21:06
Tune Standard	: WG2082077-1	**Tune File ID**	: deg0622a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	50.5
68	Less than 2.0% of mass 69	0.6 (1.6)1
69		100
70	Less than 2.0% of mass 69	0.1 (.2)1
127	10.0 - 80.0% of Base Peak	56.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.2
275	10.0 - 60.0% of Base Peak	24.2
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	17.9
442	Base Peak, or >50% of mass 198	89.5
443	15.0 - 24.0% of mass 442	15.8 (17.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2082077-4TFACTOR-B	WG2082077-4	DEG0622A	06/22/25 21:06
WG2082077-5TFACTOR-P	WG2082077-5	DEG0622A	06/22/25 21:06
WG2082077-3CCAL	WG2082077-3	CCV0622A	06/22/25 21:24
MW-10A	L2536247-06	36247-06	06/23/25 06:49
MW-09A	L2536247-07	36247-07	06/23/25 07:06
MW-05A	L2536247-10	36247-10	06/23/25 07:57

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 06/25/25 21:10
Tune Standard	: WG2083522-1	**Tune File ID**	: deg0625na_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	57.6
68	Less than 2.0% of mass 69	0.6 (1.4)1
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	56.1
197	Less than 2.0% of mass 198	0.6
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.3
275	10.0 - 60.0% of Base Peak	23.8
365	Greater than 1.0% of mass 198	2.8
441	Present, but less than 24% of mass 442	18.7
442	Base Peak, or >50% of mass 198	83.4
443	15.0 - 24.0% of mass 442	15.9 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2083522-4TFACTOR-B	WG2083522-4	DEG0625NA	06/25/25 21:10
WG2083522-5TFACTOR-P	WG2083522-5	DEG0625NA	06/25/25 21:10
WG2083522-3CCAL	WG2083522-3	CCV0625N	06/25/25 21:28
MW-07A	L2536247-03	36247-03	06/26/25 04:35
MW-07B	L2536247-04	36247-04	06/26/25 04:52
MW-10B	L2536247-05	36247-05	06/26/25 05:09
MW-09B	L2536247-08	36247-08	06/26/25 05:26
MW-05B	L2536247-09	36247-09	06/26/25 05:43
MW-08B	L2536247-11	36247-11	06/26/25 06:00
MW-02B	L2536247-14	36247-14	06/26/25 06:17

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 03/11/25 16:27
Tune Standard	: R1950738-1	**Tune File ID**	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	41.5
68	Less than 2.0% of mass 69	0.4 (1.1)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	25.9
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	16.7
442	Base Peak, or >50% of mass 198	74.8
443	15.0 - 24.0% of mass 442	14.9 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
SIML10	R1950738-2	SIML10	03/11/25 18:01
SIML9	R1950738-11	SIML9	03/11/25 18:24
SIML8	R1950738-10	SIML8	03/11/25 18:48
SIML7	R1950738-9	SIML7	03/11/25 19:11
SIML6	R1950738-8	SIML6	03/11/25 19:58
SIML5	R1950738-7	SIML5	03/11/25 20:21
SIML4	R1950738-6	SIML4	03/11/25 20:45
SIML3	R1950738-5	SIML3	03/11/25 21:08
SIML2	R1950738-4	SIML2	03/11/25 21:32
SIML1	R1950738-3	SIML1	03/11/25 21:55
ICV Quant Report	R1950738-12	SIMICV	03/11/25 22:42

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/25/25 21:11
Tune Standard	: WG2083521-1	**Tune File ID**	: DEG0625n_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	45.9
68	Less than 2.0% of mass 69	0.5 (1.4)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.8
275	10.0 - 60.0% of Base Peak	26
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	17.1
442	Base Peak, or >50% of mass 198	71.6
443	15.0 - 24.0% of mass 442	13.9 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2083521-4TFACTOR-B	WG2083521-4	DEG0625N	06/25/25 21:11
WG2083521-5TFACTOR-P	WG2083521-5	DEG0625N	06/25/25 21:11
WG2083521-3CCAL	WG2083521-3	SIM0625N	06/25/25 21:34
MW-06A	L2536247-01	36247-01	06/26/25 05:45
MW-06B	L2536247-02	36247-02	06/26/25 06:08

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 06/18/25 18:07
Tune Standard	: R1978820-12	**Tune File ID**	: TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52.8
68	Less than 2.0% of mass 69	0.9 (2)1
69		100
70	Less than 2.0% of mass 69	0.3 (.7)1
127	10.0 - 80.0% of Base Peak	54.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.4
275	10.0 - 60.0% of Base Peak	25.4
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	19.6
442	Base Peak, or >50% of mass 198	77.4
443	15.0 - 24.0% of mass 442	15 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1978820-3	L10	06/18/25 18:34
L9	R1978820-9	L9	06/18/25 18:50
L8	R1978820-10	L8	06/18/25 19:07
L7	R1978820-8	L7	06/18/25 19:23
L6	R1978820-7	L6	06/18/25 19:40
L5	R1978820-5	L5	06/18/25 19:56
L4	R1978820-6	L4	06/18/25 20:13
L3	R1978820-2	L3	06/18/25 20:30
L2	R1978820-4	L2	06/18/25 20:46
L1	R1978820-1	L1	06/18/25 21:03
ICV Quant Report	R1978820-11	ICV	06/18/25 21:19

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 06/23/25 08:36
Tune Standard	: WG2082224-1	**Tune File ID**	: deg0623_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	43.5
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	5.9
275	10.0 - 60.0% of Base Peak	27.9
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	18
442	Base Peak, or >50% of mass 198	91.9
443	15.0 - 24.0% of mass 442	17.1 (18.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2082224-4TFACTOR-B	WG2082224-4	DEG0623	06/23/25 08:36
WG2082224-5TFACTOR-P	WG2082224-5	DEG0623	06/23/25 08:36
WG2082224-3CCAL	WG2082224-3	CCV0623A	06/23/25 09:12
WG2078864-2LCS	WG2078864-2	078864-2	06/23/25 16:06
WG2078864-3LCSD	WG2078864-3	078864-3	06/23/25 16:23
WG2078864-1BLANK	WG2078864-1	078864-1	06/23/25 16:40
MW-02A	L2536247-13	36247-13	06/23/25 16:57
MW-03B	L2536247-15	36247-15	06/23/25 17:32
MW-03A	L2536247-16	36247-16	06/23/25 17:49
MW-04A	L2536247-17	36247-17	06/23/25 18:06
MW-04B	L2536247-18	36247-18	06/23/25 18:23
DUP001	L2536247-20	36247-20	06/23/25 18:40
MW-08A	L2536247-12	36247-12	06/23/25 18:58
WG2078864-4MS	WG2078864-4	078864-4	06/23/25 19:15
WG2078864-5MSD	WG2078864-5	078864-5	06/23/25 19:32

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 06/22/25 21:24:00
Sample No	: WG2082077-3	**Lab File ID**	: CCV0622A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2082077-3	350682	2.09	1329126	2.76	715690	3.74
Upper Limit	701364	2.59	2658252	3.26	1431380	4.24
Lower Limit	175341	1.59	664563	2.26	357845	3.24
Sample ID						
MW-10A	511489	2.09	1953326	2.76	1065909	3.74
MW-09A	480212	2.09	1835409	2.76	1005925	3.74
MW-05A	543702	2.09	2073131	2.76	1130941	3.74

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 06/22/25 21:24:00
Sample No	: WG2082077-3	**Lab File ID**	: CCV0622A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2082077-3	1365150	4.59	1174227	6.14	1195968	7.27
Upper Limit	2730300	5.09	2348454	6.64	2391936	7.77
Lower Limit	682575	4.09	587114	5.64	597984	6.77
Sample ID						
MW-10A	2037128	4.59	1977571	6.13	1992527	7.27
MW-09A	1922679	4.59	1808670	6.13	1816109	7.26
MW-05A	2131460	4.59	2140352	6.13	2282131	7.27

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 06/23/25 09:12:00
Sample No	: WG2082224-3	**Lab File ID**	: CCV0623A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2082224-3	223163	2.31	839534	2.96	501334	3.94
Upper Limit	446326	2.81	1679068	3.46	1002668	4.44
Lower Limit	111582	1.81	419767	2.46	250667	3.44
Sample ID						
WG2078864-2 LCS	292949	2.31	1130879	2.97	682365	3.95
WG2078864-3 LCSD	285724	2.31	1083996	2.97	651886	3.95
WG2078864-1 BLANK	238746	2.30	914356	2.96	532824	3.95
MW-02A	233974	2.31	873598	2.97	523572	3.94
MW-03B	268425	2.31	1049366	2.97	643458	3.94
MW-03A	243763	2.31	947326	2.97	562162	3.94
MW-04A	256533	2.31	994815	2.97	594350	3.94
MW-04B	251119	2.31	967719	2.97	571402	3.94
DUP001	249107	2.31	959059	2.97	578718	3.94
MW-08A	251655	2.31	986024	2.97	614416	3.95
MW-08A MS	284405	2.31	1111897	2.97	684360	3.95
MW-08A MSD	277495	2.31	1061036	2.97	641531	3.95

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV119	**Analysis Date**	: 06/23/25 09:12:00
Sample No	: WG2082224-3	**Lab File ID**	: CCV0623A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2082224-3	1091615	4.79	1163786	6.45	1221164	7.74
Upper Limit	2183230	5.29	2327572	6.95	2442328	8.24
Lower Limit	545808	4.29	581893	5.95	610582	7.24
Sample ID						
WG2078864-2 LCS	1410403	4.79	1431974	6.42	1540131	7.72
WG2078864-3 LCSD	1380208	4.79	1385976	6.42	1489960	7.71
WG2078864-1 BLANK	1123773	4.79	1190035	6.42	1325678	7.71
MW-02A	1096594	4.79	1161272	6.42	1311192	7.71
MW-03B	1394869	4.79	1445001	6.42	1539379	7.71
MW-03A	1208929	4.79	1291956	6.42	1361230	7.71
MW-04A	1270065	4.79	1355856	6.42	1461365	7.71
MW-04B	1213115	4.79	1268055	6.42	1355125	7.71
DUP001	1231283	4.79	1294612	6.42	1351911	7.71
MW-08A	1315631	4.79	1344586	6.42	1426439	7.71
MW-08A MS	1444159	4.79	1446248	6.42	1584006	7.72
MW-08A MSD	1365682	4.79	1400340	6.42	1552295	7.71

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 06/25/25 21:28:00
Sample No	: WG2083522-3	**Lab File ID**	: CCV0625N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2083522-3	573643	2.09	2158502	2.76	1171418	3.74
Upper Limit	1147286	2.59	4317004	3.26	2342836	4.24
Lower Limit	286822	1.59	1079251	2.26	585709	3.24
Sample ID						
MW-07A	961075	2.10	3723095	2.76	2128060	3.74
MW-07B	950924	2.10	3617477	2.76	2056143	3.74
MW-10B	896205	2.10	3330196	2.76	1850412	3.74
MW-09B	777336	2.10	3006870	2.76	1680854	3.74
MW-05B	863706	2.10	3281606	2.76	1836814	3.74
MW-08B	755652	2.10	2920782	2.76	1622465	3.74
MW-02B	605249	2.10	2269305	2.76	1215237	3.74

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV118	**Analysis Date**	: 06/25/25 21:28:00
Sample No	: WG2083522-3	**Lab File ID**	: CCV0625N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2083522-3	2213422	4.58	1891454	6.10	1961557	7.21
Upper Limit	4426844	5.08	3782908	6.60	3923114	7.71
Lower Limit	1106711	4.08	945727	5.60	980779	6.71
Sample ID						
MW-07A	3798992	4.58	3038701	6.10	3293540	7.22
MW-07B	3671371	4.58	2944629	6.10	3188324	7.22
MW-10B	3298127	4.58	2894758	6.10	3243678	7.22
MW-09B	3117173	4.58	2861384	6.10	3184267	7.22
MW-05B	3357210	4.58	3055506	6.10	3449754	7.22
MW-08B	2993074	4.58	2708801	6.10	3039849	7.22
MW-02B	2255962	4.58	1994341	6.10	2219082	7.22

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/25/25 21:34:00
Sample No	: WG2083521-3	**Lab File ID**	: SIM0625N

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2083521-3	92333	6.53	317893	7.95	181431	9.71
Upper Limit	184666	7.03	635786	8.45	362862	10.21
Lower Limit	46167	6.03	158947	7.45	90716	9.21
Sample ID						
MW-06A	133236	6.53	482245	7.94	272931	9.70
MW-06B	110619	6.53	452569	7.94	240128	9.71

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Internal Standard Area and RT Summary
Form 8a
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: SV106	**Analysis Date**	: 06/25/25 21:34:00
Sample No	: WG2083521-3	**Lab File ID**	: SIM0625N

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2083521-3	358726	11.14	318864	13.79	357013	15.26
Upper Limit	717452	11.64	637728	14.29	714026	15.76
Lower Limit	179363	10.64	159432	13.29	178507	14.76
Sample ID						
MW-06A	530978	11.14	529454	13.79	561531	15.26
MW-06B	523933	11.14	566025	13.79	597996	15.26

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits

Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

EPA 8270E Low Level PAH (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	0.1	0.0235	ug/l	40-140	40	40-140	40	40			
2-Chloronaphthalene	91-58-7	0.2	0.0227	ug/l	40-140	40	40-140	40	40			
Fluoranthene	206-44-0	0.1	0.0272	ug/l	40-140	40	40-140	40	40			
Hexachlorobutadiene	87-68-3	0.5	0.02	ug/l	40-140	40	40-140	40	40			
Naphthalene	91-20-3	0.1	0.0245	ug/l	40-140	40	40-140	40	40			
Benzo(a)anthracene	56-55-3	0.1	0.0295	ug/l	40-140	40	40-140	40	40			
Benzo(a)pyrene	50-32-8	0.1	0.024	ug/l	40-140	40	40-140	40	40			
Benzo(b)fluoranthene	205-99-2	0.1	0.0272	ug/l	40-140	40	40-140	40	40			
Benzo(k)fluoranthene	207-08-9	0.1	0.0338	ug/l	40-140	40	40-140	40	40			
Chrysene	218-01-9	0.1	0.031	ug/l	40-140	40	40-140	40	40			
Acenaphthylene	208-96-8	0.1	0.0205	ug/l	40-140	40	40-140	40	40			
Anthracene	120-12-7	0.1	0.0239	ug/l	40-140	40	40-140	40	40			
Benzo(ghi)perylene	191-24-2	0.1	0.0237	ug/l	40-140	40	40-140	40	40			
Fluorene	86-73-7	0.1	0.0255	ug/l	40-140	40	40-140	40	40			
Phenanthrene	85-01-8	0.1	0.0392	ug/l	40-140	40	40-140	40	40			
Dibenzo(a,h)anthracene	53-70-3	0.1	0.0235	ug/l	40-140	40	40-140	40	40			
Indeno(1,2,3-cd)Pyrene	193-39-5	0.1	0.022	ug/l	40-140	40	40-140	40	40			
Pyrene	129-00-0	0.1	0.0425	ug/l	40-140	40	40-140	40	40			
1-Methylnaphthalene	90-12-0	0.1	0.0251	ug/l	40-140	40	40-140	40	40			
2-Methylnaphthalene	91-57-6	0.1	0.0277	ug/l	40-140	40	40-140	40	40			
Pentachlorophenol	87-86-5	0.8	0.0565	ug/l	40-140	40	40-140	40	40			
Hexachlorobenzene	118-74-1	0.8	0.0134	ug/l	40-140	40	40-140	40	40			
Hexachloroethane	67-72-1	0.8	0.0224	ug/l	40-140	40	40-140	40	40			
2-Fluorophenol	*367-12-4*									*21-120*		
Phenol-d6	*13127-88-3*									*10-120*		
Nitrobenzene-d5	*4165-60-0*									*23-120*		
2-Fluorobiphenyl	*321-60-8*									*15-120*		
2,4,6-Tribromophenol	*118-79-6*									*10-120*		
4-Terphenyl-d14	*1718-51-0*									*41-149*		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.

Semivolatile Sample Data

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-01	Date Collected	: 06/10/25 12:59
Client ID	: MW-06A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 05:45
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-01	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	JB
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 05:45
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-01	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-02	Date Collected	: 06/10/25 12:50
Client ID	: MW-06B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 06:08
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-02	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV106
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.05	0.10	0.02	JB
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 06:08
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-02	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV106
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-03	Date Collected	: 06/10/25 11:53
Client ID	: MW-07A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 04:35
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-03	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 04:35
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-03	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-04	Date Collected	: 06/10/25 12:00
Client ID	: MW-07B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 04:52
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-04	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 04:52
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-04	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-05	Date Collected	: 06/10/25 10:00
Client ID	: MW-10B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 05:09
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-05	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 05:09
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-05	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-06	Date Collected	: 06/10/25 10:00
Client ID	: MW-10A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 06:49
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-06	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 06:49
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-06	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-07	Date Collected	: 06/10/25 09:10
Client ID	: MW-09A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 07:06
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-07	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 07:06
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-07	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-08	Date Collected	: 06/10/25 09:15
Client ID	: MW-09B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 05:26
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-08	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 05:26
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-08	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-09	Date Collected	: 06/09/25 15:02
Client ID	: MW-05B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 05:43
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-09	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 05:43
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-09	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-10	Date Collected	: 06/09/25 15:05
Client ID	: MW-05A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 07:57
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-10	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.04	0.10	0.02	JB
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.03	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 07:57
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-10	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-11	Date Collected	: 06/09/25 14:20
Client ID	: MW-08B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 06:00
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-11	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 06:00
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-11	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-12	Date Collected	: 06/09/25 13:25
Client ID	: MW-08A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 18:58
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-12	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 18:58
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-12	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-13	Date Collected	: 06/09/25 12:00
Client ID	: MW-02A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 16:57
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-13	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 16:57
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-13	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-14	Date Collected	: 06/09/25 11:45
Client ID	: MW-02B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/26/25 06:17
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-14	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV118
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/26/25 06:17
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-14	**Analyst**	: SLR
Sample Amount	: 100 ml	**Instrument ID**	: SV118
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-15	Date Collected	: 06/09/25 10:55
Client ID	: MW-03B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 17:32
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-15	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.06	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.07	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.07	0.10	0.02	J
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 17:32
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-15	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-16	Date Collected	: 06/09/25 10:48
Client ID	: MW-03A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 17:49
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-16	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 17:49
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-16	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-17	Date Collected	: 06/09/25 09:28
Client ID	: MW-04A	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 18:06
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-17	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 18:06
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-17	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-18	Date Collected	: 06/09/25 09:30
Client ID	: MW-04B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 18:23
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-18	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 18:23
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-18	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-20	Date Collected	: 06/09/25 00:00
Client ID	: DUP001	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/23/25 18:40
Sample Matrix	: WATER	Date Extracted	: 06/14/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 36247-20	Analyst	: DV
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

		ug/L			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 18:40
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 36247-20	**Analyst**	: DV
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Results Summary
Form 1
Semivolatile Organics by GC/MS-SIM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2078864-1	**Date Collected**	: NA
Client ID	: WG2078864-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/23/25 16:40
Sample Matrix	: WATER	**Date Extracted**	: 06/14/25
Analytical Method	: 1,8270E-SIM	**Dilution Factor**	: 1
Lab File ID	: 078864-1	**Analyst**	: RP
Sample Amount	: 100 ml	**Instrument ID**	: SV119
Extraction Method	: EPA 3510C	**GC Column**	: RXI-5SilM
Extract Volume	: 1000 uL	**%Solids**	: N/A
GPC Cleanup	: N	**Injection Volume**	: 1 uL

		ug/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.16	0.10	0.02	
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	0.05	0.10	0.02	J
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	0.06	0.10	0.02	J
193-39-5	Indeno(1,2,3-cd)pyrene	0.06	0.10	0.02	J
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.05	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.02	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-06.D
Acq On : 23 Jun 2025 06:49 am
Operator : SV118:dv
Sample : L2536247-06,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 23 16:44:18 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250622aRVT\ccv0622a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.087	152	511489	4000.000	ng/ml	0.00
Standard Area 1 = 350682			Recovery = 145.86%			
9) Naphthalene-d8	2.755	136	1953326	4000.000	ng/ml	0.00
Standard Area 1 = 1329126			Recovery = 146.96%			
18) Acenaphthene-d10	3.742	164	1065909	4000.000	ng/ml	0.00
Standard Area 1 = 715690			Recovery = 148.93%			
23) Phenanthrene-d10	4.588	188	2037128	4000.000	ng/ml	0.00
Standard Area 1 = 1365150			Recovery = 149.22%			
33) Chrysene-d12	6.130	240	1977571	4000.000	ng/ml	0.00
Standard Area 1 = 1174227			Recovery = 168.41%			
38) Perylene-d12	7.267	264	1992527	4000.000	ng/ml	0.00
Standard Area 1 = 1195968			Recovery = 166.60%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.502	112	154398	987.159	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.36%			
4) Phenol-d6	1.908	99	142005	757.739	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.89%			
8) Nitrobenzene-d5	2.371	82	120946	790.331	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.03%			
14) 2-Fluorobiphenyl	3.362	172	315783	738.283	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.83%			
22) 2,4,6-Tribromophenol	4.191	330	79907	1620.589	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 81.03%			
32) 4-Terphenyl-d14	5.516	244	359533	759.735	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.97%			

Target Compounds			Qvalue
7) Hexachloroethane	0.000	0	N.D. d
10) Naphthalene	0.000	0	N.D. d
11) Hexachlorobutadiene	0.000	0	N.D. d
12) 2-Methylnaphthalene	0.000	0	N.D. d
15) 2-Chloronaphthalene	0.000	0	N.D. d
17) Acenaphthylene	0.000	0	N.D. d
19) Acenaphthene	0.000	0	N.D. d
21) Fluorene	0.000	0	N.D. d
25) Hexachlorobenzene	0.000	0	N.D. d
26) Pentachlorophenol	0.000	0	N.D. d

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-06.D
Acq On : 23 Jun 2025 06:49 am
Operator : SV118:dv
Sample : L2536247-06,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 23 16:44:18 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250622aRVT\ccv0622a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

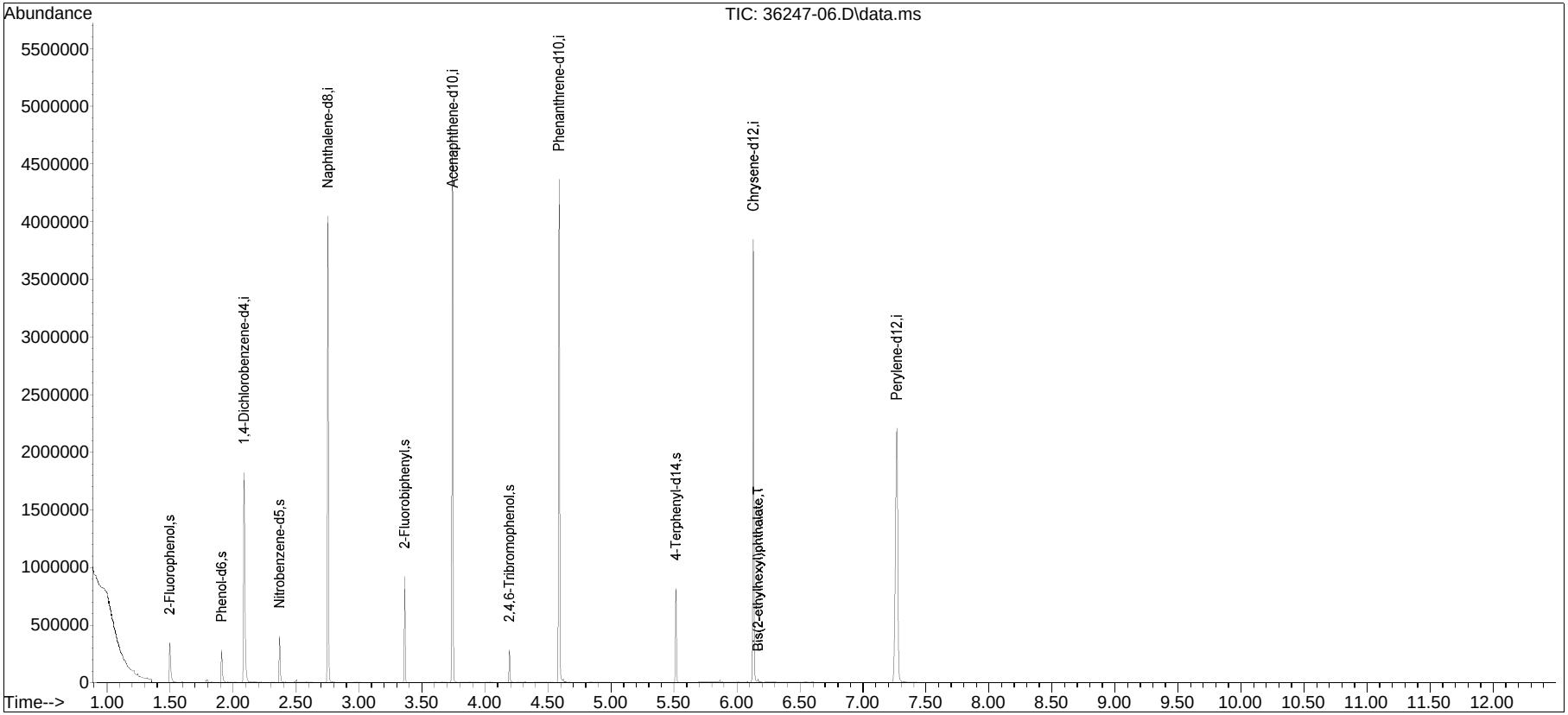
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-06.D
Acq On : 23 Jun 2025 06:49 am
Operator : SV118:dv
Sample : L2536247-06,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 23 16:44:18 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0622a.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250622a	RVQMethod	: SIM-RVT_250203sv118.M
Data File	: 36247-06.D	Operator	: SV118:dv
Date Inj'd	: 6/23/2025 6:49 am	Instrument	: SV118
Sample	: L2536247-06,32,,rp	Quant Date	: 6/23/2025 7:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-07.D
Acq On : 23 Jun 2025 07:06 am
Operator : SV118:dv
Sample : L2536247-07,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 23 16:46:21 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250622aRVT\ccv0622a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.087	152	480212	4000.000	ng/ml	0.00
Standard Area 1 = 350682			Recovery = 136.94%			
9) Naphthalene-d8	2.756	136	1835409	4000.000	ng/ml	0.00
Standard Area 1 = 1329126			Recovery = 138.09%			
18) Acenaphthene-d10	3.740	164	1005925	4000.000	ng/ml	0.00
Standard Area 1 = 715690			Recovery = 140.55%			
23) Phenanthrene-d10	4.589	188	1922679	4000.000	ng/ml	0.00
Standard Area 1 = 1365150			Recovery = 140.84%			
33) Chrysene-d12	6.129	240	1808670	4000.000	ng/ml	0.00
Standard Area 1 = 1174227			Recovery = 154.03%			
38) Perylene-d12	7.264	264	1816109	4000.000	ng/ml	0.00
Standard Area 1 = 1195968			Recovery = 151.85%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.500	112	134921	918.816	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.94%			
4) Phenol-d6	1.908	99	121582	691.017	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 34.55%			
8) Nitrobenzene-d5	2.372	82	101442	706.055	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 70.61%			
14) 2-Fluorobiphenyl	3.363	172	273366	680.175	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 68.02%			
22) 2,4,6-Tribromophenol	4.191	330	70030	1504.966	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 75.25%			
32) 4-Terphenyl-d14	5.517	244	311154	696.643	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.66%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-07.D
Acq On : 23 Jun 2025 07:06 am
Operator : SV118:dv
Sample : L2536247-07,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 23 16:46:21 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250622aRVT\ccv0622a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

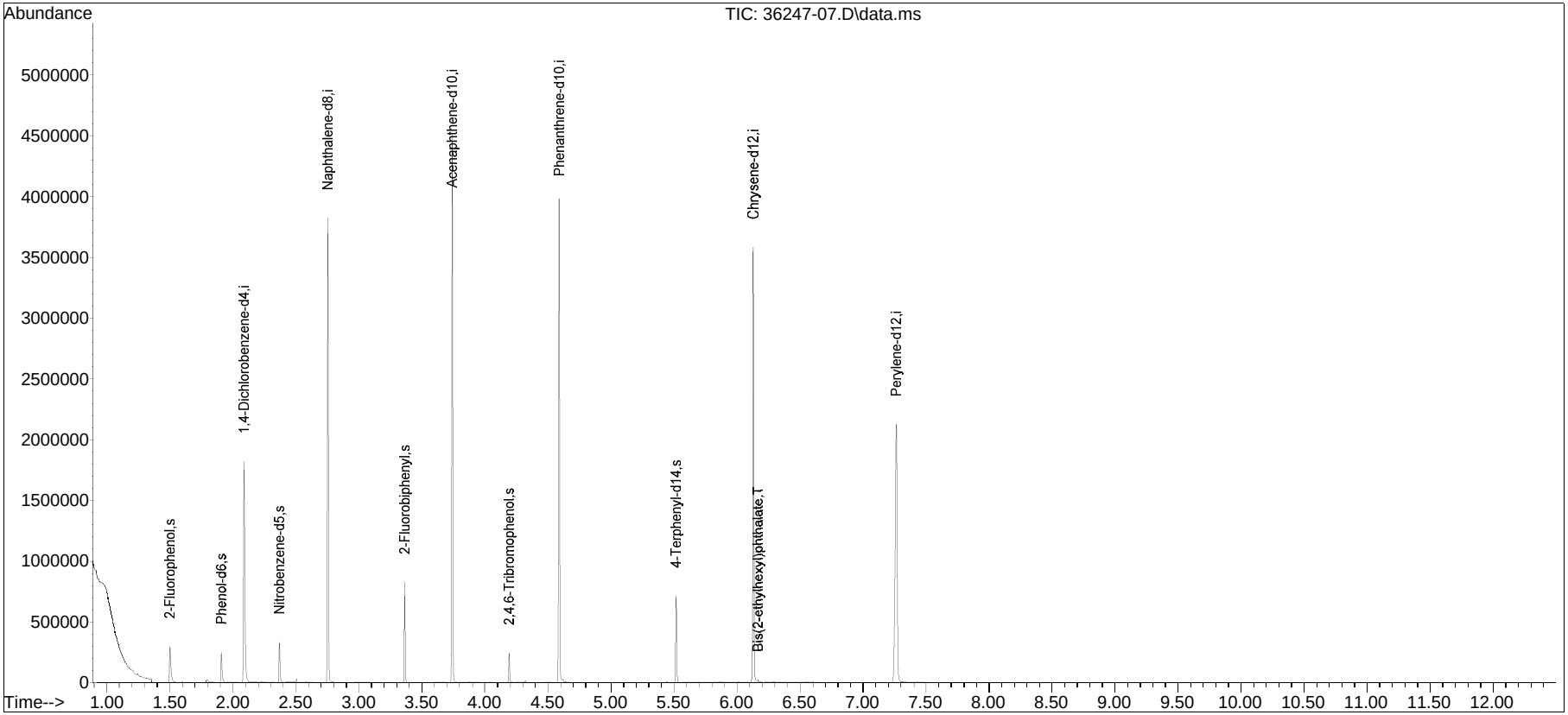
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-07.D
Acq On : 23 Jun 2025 07:06 am
Operator : SV118:dv
Sample : L2536247-07,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 23 16:46:21 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0622a.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250622a	RVQMethod	: SIM-RVT_250203sv118.M
Data File	: 36247-07.D	Operator	: SV118:dv
Date Inj'd	: 6/23/2025 7:06 am	Instrument	: SV118
Sample	: L2536247-07,32,,rp	Quant Date	: 6/23/2025 7:19 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-10.D
Acq On : 23 Jun 2025 07:57 am
Operator : SV118:dv
Sample : L2536247-10,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 23 16:50:07 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250622aRVT\ccv0622a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.090	152	543702	4000.000	ng/ml	0.00
Standard Area 1 = 350682			Recovery = 155.04%			
9) Naphthalene-d8	2.757	136	2073131	4000.000	ng/ml	0.00
Standard Area 1 = 1329126			Recovery = 155.98%			
18) Acenaphthene-d10	3.742	164	1130941	4000.000	ng/ml	0.00
Standard Area 1 = 715690			Recovery = 158.02%			
23) Phenanthrene-d10	4.588	188	2131460	4000.000	ng/ml	0.00
Standard Area 1 = 1365150			Recovery = 156.13%			
33) Chrysene-d12	6.130	240	2140352	4000.000	ng/ml	0.00
Standard Area 1 = 1174227			Recovery = 182.28%			
38) Perylene-d12	7.269	264	2282131	4000.000	ng/ml	0.00
Standard Area 1 = 1195968			Recovery = 190.82%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.509	112	166295	1000.230	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.01%			
4) Phenol-d6	1.911	99	148727	746.589	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.33%			
8) Nitrobenzene-d5	2.373	82	134615	827.535	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.75%			
14) 2-Fluorobiphenyl	3.363	172	355552	783.223	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.32%			
22) 2,4,6-Tribromophenol	4.190	330	91093	1741.218	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 87.06%			
32) 4-Terphenyl-d14	5.517	244	394073	795.869	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.59%			
Target Compounds						Qvalue
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	2.767	128	2043	3.468	ng/ml#	95
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	3.151	142	1114	3.039	ng/ml	99
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	
26) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-10.D
Acq On : 23 Jun 2025 07:57 am
Operator : SV118:dv
Sample : L2536247-10,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 23 16:50:07 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250622aRVT\ccv0622a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

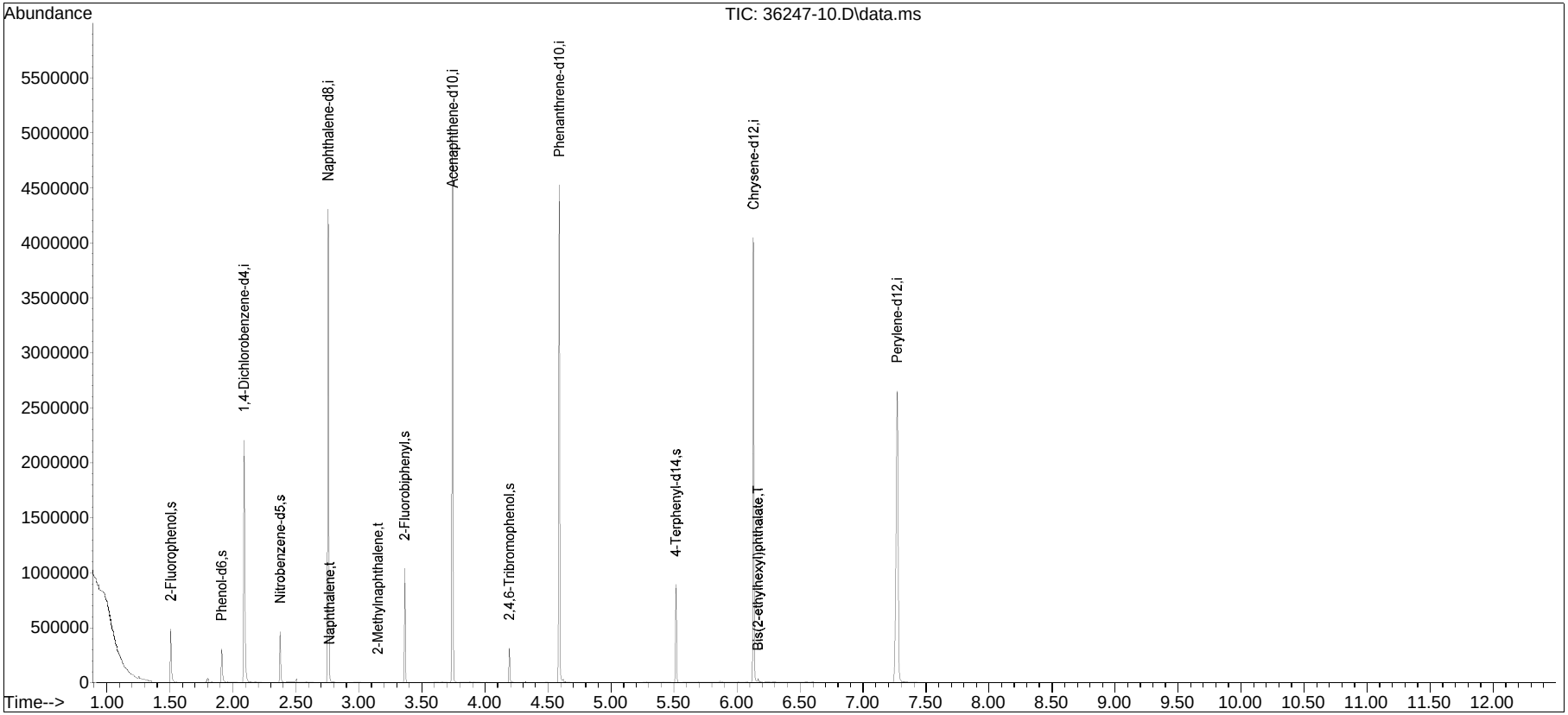
(#) = qualifier out of range (m) = manual integration (+) = signals summed

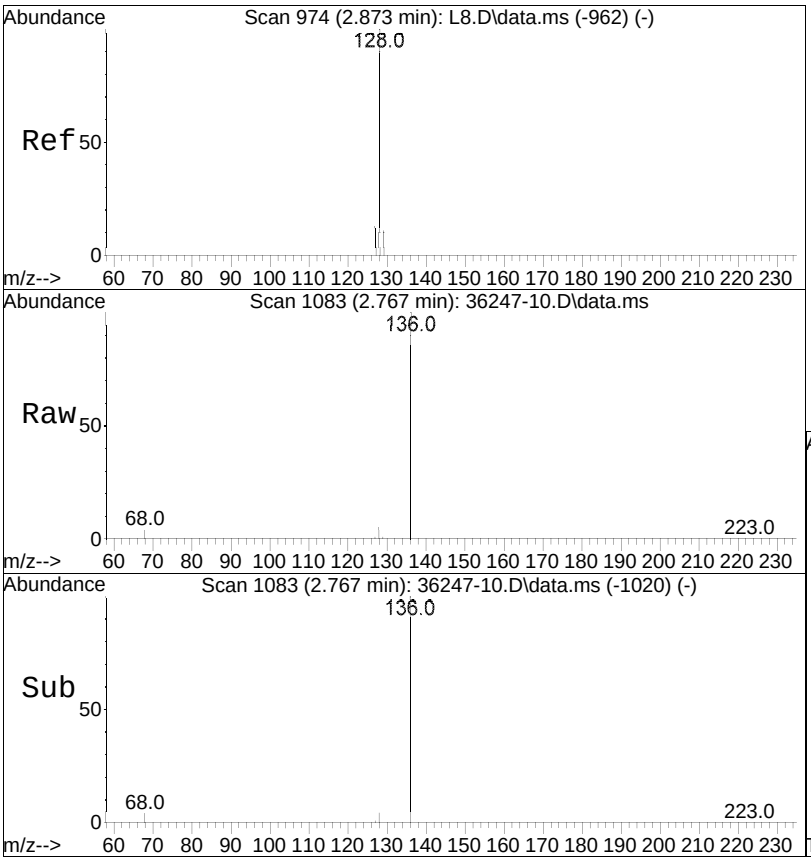
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : 36247-10.D
Acq On : 23 Jun 2025 07:57 am
Operator : SV118:dv
Sample : L2536247-10,32,,rp
Misc : WG2082077,WG2078864,ical21963
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 23 16:50:07 2025
Quant Method : I:\8270sim\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:55 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0622a.D•

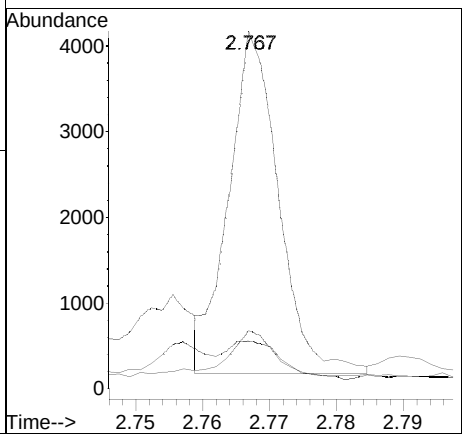


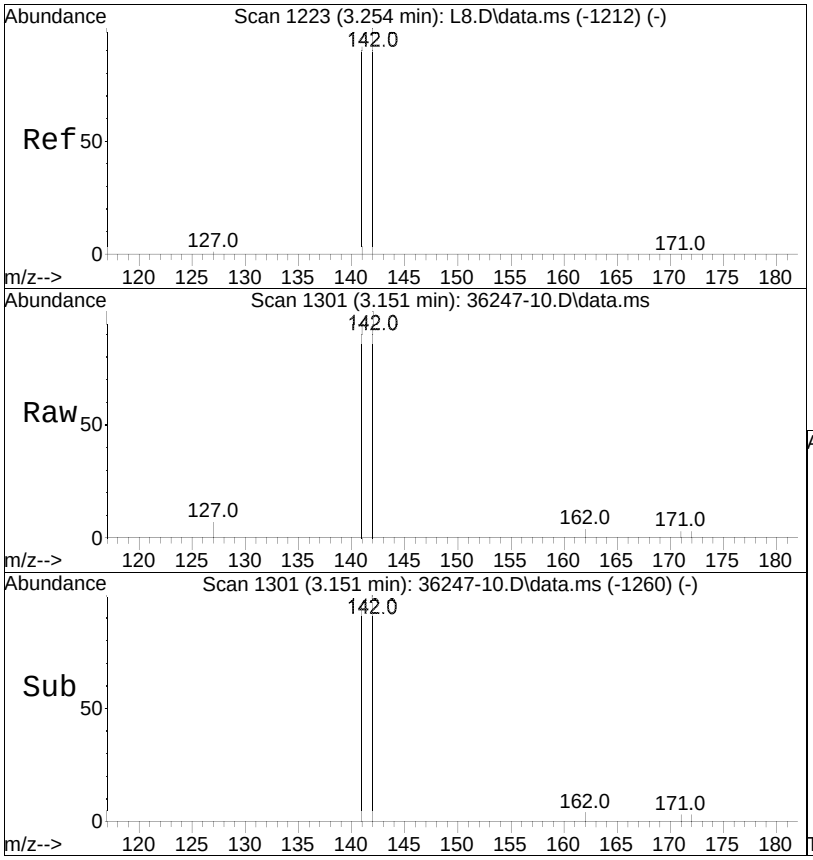


#10
Naphthalene
Concen: 3.47 ng/ml
RT: 2.767 min Scan# 1083
Delta R.T. -0.000 min
Lab File: 36247-10.D
Acq: 23 Jun 2025 07:57 am

Tgt Ion:128 Resp: 2043

Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.9	13.3
127	16.0	10.6	15.8#

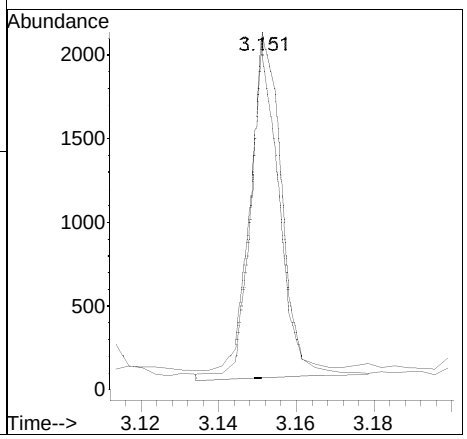




#12
2-Methylnaphthalene
Concen: 3.04 ng/ml
RT: 3.151 min Scan# 1301
Delta R.T. -0.000 min
Lab File: 36247-10.D
Acq: 23 Jun 2025 07:57 am

Tgt Ion:142 Resp: 1114

Ion	Ratio	Lower	Upper
142	100		
141	90.6	73.4	110.2



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250622a	RVQMethod	: SIM-RVT_250203sv118.M
Data File	: 36247-10.D	Operator	: SV118:dv
Date Inj'd	: 6/23/2025 7:57 am	Instrument	: SV118
Sample	: L2536247-10,32,,rp	Quant Date	: 6/23/2025 8:10 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-13.D
Acq On : 23 Jun 2025 04:57 pm
Operator : sv119:dv
Sample : L2536247-13,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 19:37:15 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	233974	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 104.84%			
9) Naphthalene-d8	2.966	136	873598	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 104.06%			
18) Acenaphthene-d10	3.944	164	523572	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 104.44%			
23) Phenanthrene-d10	4.794	188	1096594	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 100.46%			
33) Chrysene-d12	6.420	240	1161272	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 99.78%			
38) Perylene-d12	7.712	264	1311192	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 107.37%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.723	112	67033	1020.072	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.00%			
4) Phenol-d6	2.117	99	60770	712.239	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.61%			
8) Nitrobenzene-d5	2.582	82	53406	758.773	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.88%			
14) 2-Fluorobiphenyl	3.561	172	147874	748.157	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.82%			
22) 2,4,6-Tribromophenol	4.394	330	40034	1524.233	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.21%			
32) 4-Terphenyl-d14	5.741	244	210349	853.152	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.32%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D.	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D.	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D.	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-13.D
Acq On : 23 Jun 2025 04:57 pm
Operator : sv119:dv
Sample : L2536247-13,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 19:37:15 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

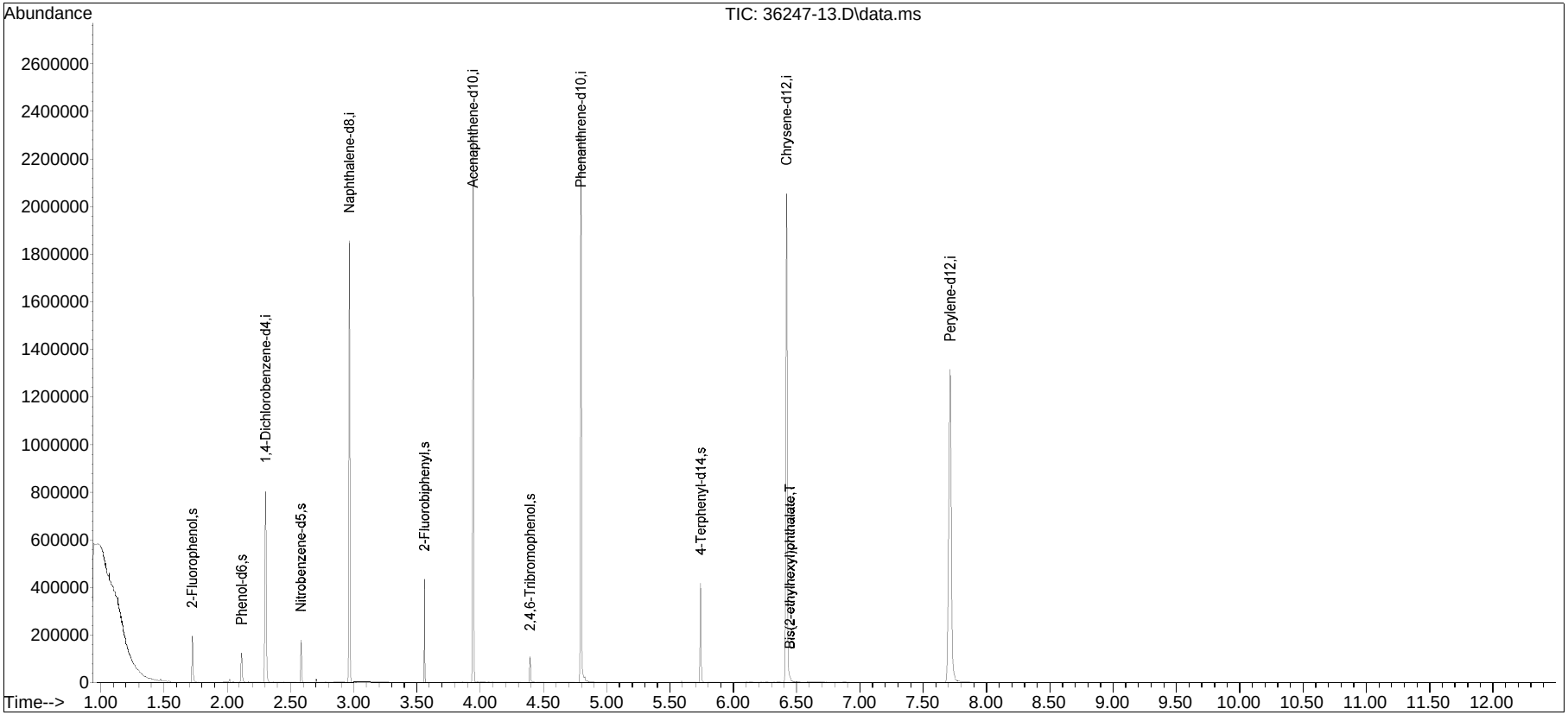
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-13.D
Acq On : 23 Jun 2025 04:57 pm
Operator : sv119:dv
Sample : L2536247-13,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 23 19:37:15 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250623RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: 36247-13.D	Operator	: sv119:dv
Date Inj'd	: 6/23/2025 4:57 pm	Instrument	: SV119
Sample	: L2536247-13,32,,jjw	Quant Date	: 6/23/2025 5:11 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-15.D
Acq On : 23 Jun 2025 05:32 pm
Operator : sv119:dv
Sample : L2536247-15,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 23 19:31:30 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.309	152	268425	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 120.28%			
9) Naphthalene-d8	2.966	136	1049366	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 124.99%			
18) Acenaphthene-d10	3.944	164	643458	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 128.35%			
23) Phenanthrene-d10	4.794	188	1394869	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 127.78%			
33) Chrysene-d12	6.421	240	1445001	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 124.16%			
38) Perylene-d12	7.714	264	1539379	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 126.06%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.727	112	70338	932.990	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.65%			
4) Phenol-d6	2.120	99	65106	665.123	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 33.26%			
8) Nitrobenzene-d5	2.585	82	60705	751.780	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.18%			
14) 2-Fluorobiphenyl	3.562	172	179043	754.124	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.41%			
22) 2,4,6-Tribromophenol	4.393	330	47570	1473.709	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 73.69%			
32) 4-Terphenyl-d14	5.741	244	260244	829.811	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 82.98%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D.	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D.	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-15.D
Acq On : 23 Jun 2025 05:32 pm
Operator : sv119:dv
Sample : L2536247-15,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 23 19:31:30 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	8.996	276	886	6.514	ng/ml#	77
43) Dibenzo[a,h]anthracene	9.036	278	813	6.808	ng/ml#	88
44) Benzo[g,h,i]perylene	9.350	276	1201	6.133	ng/ml	94

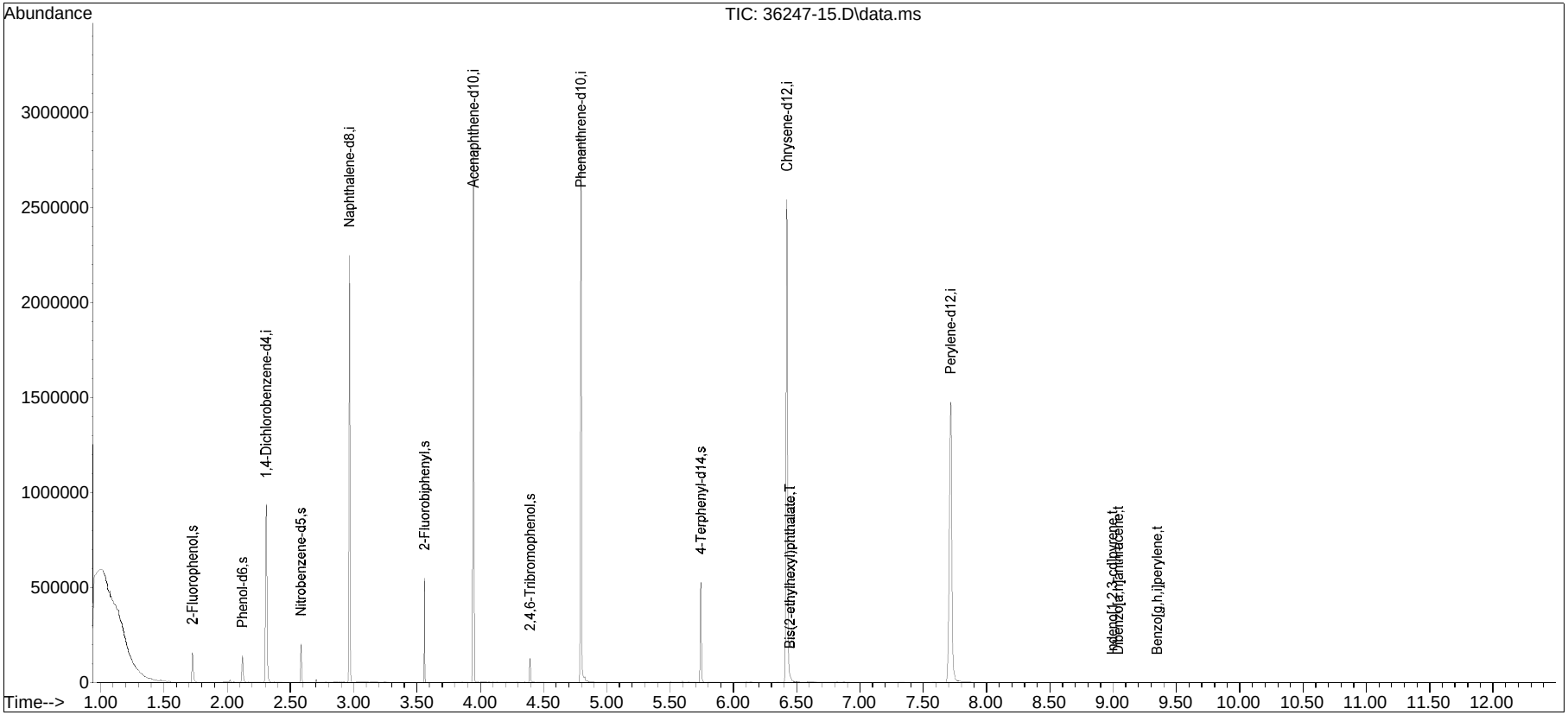
(#) = qualifier out of range (m) = manual integration (+) = signals summed

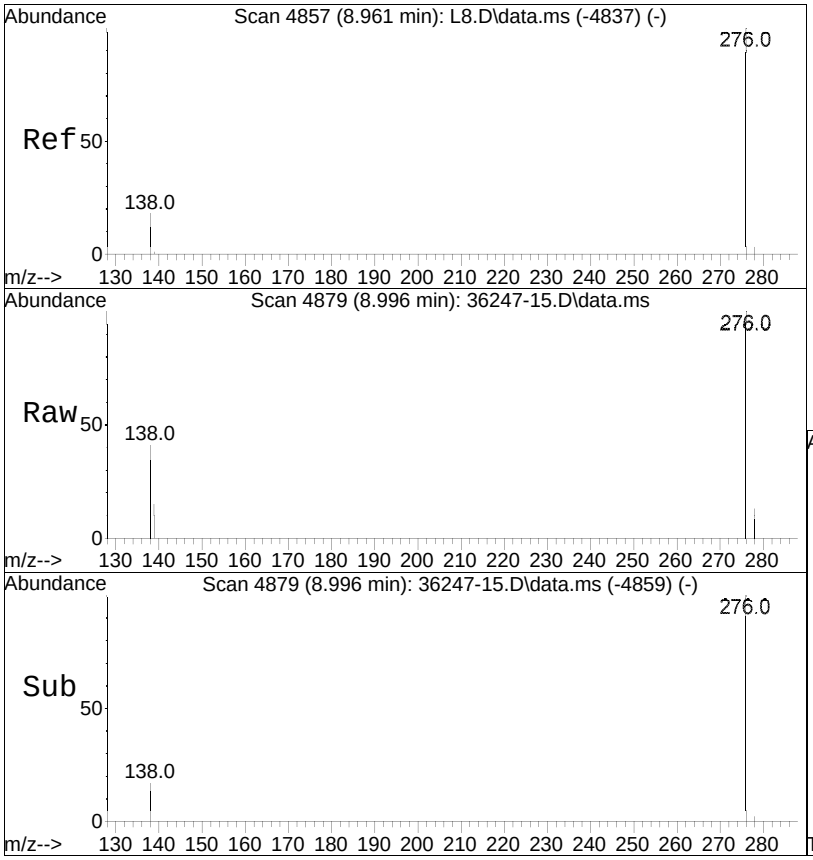
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-15.D
Acq On : 23 Jun 2025 05:32 pm
Operator : sv119:dv
Sample : L2536247-15,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 23 19:31:30 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•

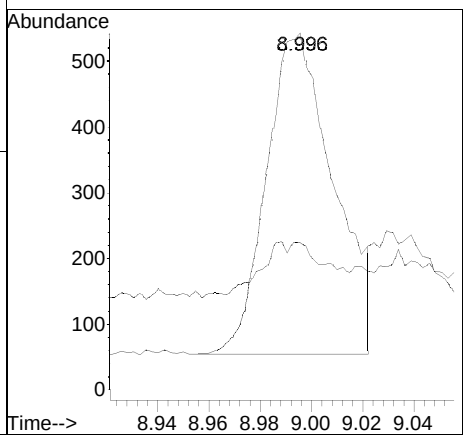


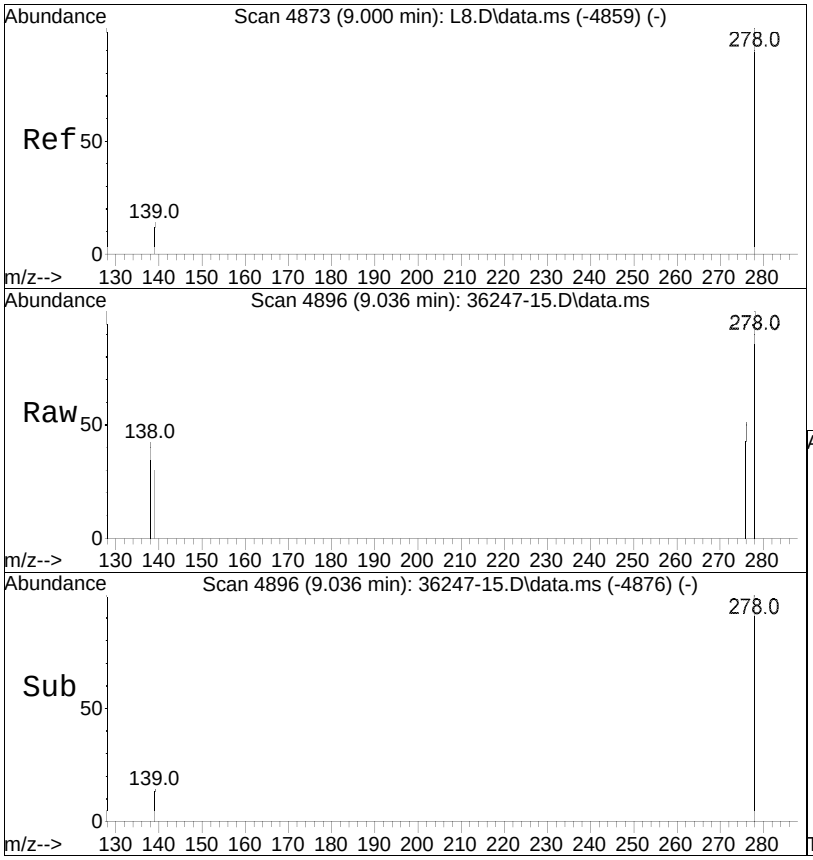


#42
Indeno[1,2,3-cd]pyrene
Concen: 6.51 ng/ml
RT: 8.996 min Scan# 4879
Delta R.T. -0.032 min
Lab File: 36247-15.D
Acq: 23 Jun 2025 05:32 pm

Tgt Ion:276 Resp: 886

Ion	Ratio	Lower	Upper
276	100		
138	7.8	14.4	21.6#

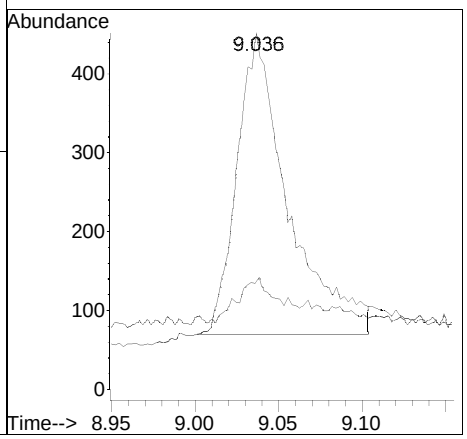


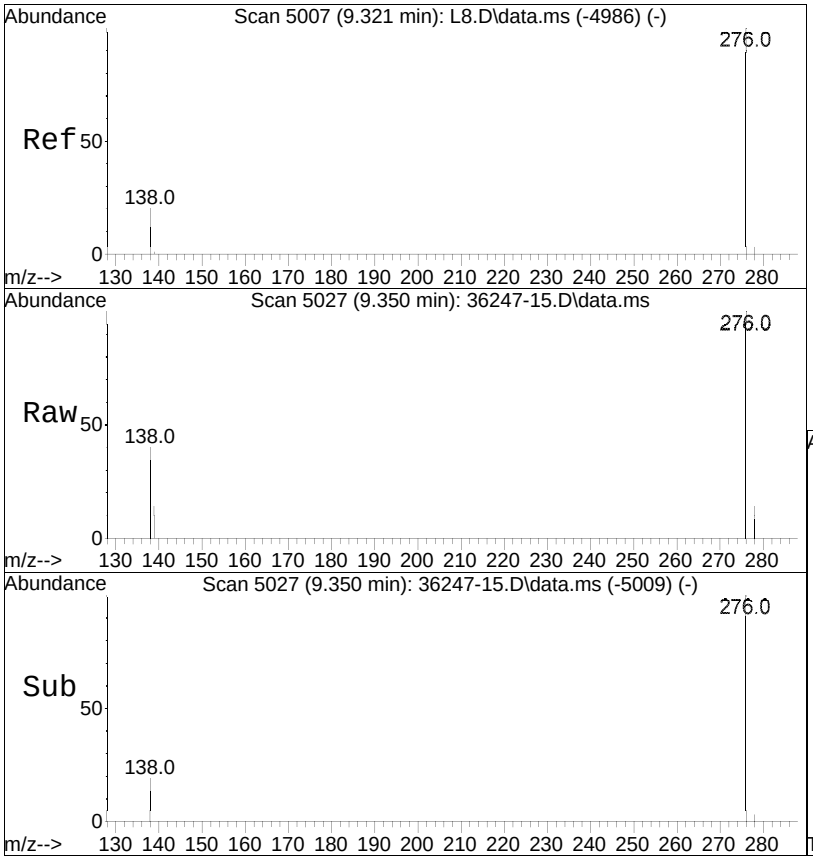


#43
Dibenzo[a,h]anthracene
Concen: 6.81 ng/ml
RT: 9.036 min Scan# 4896
Delta R.T. -0.032 min
Lab File: 36247-15.D
Acq: 23 Jun 2025 05:32 pm

Tgt Ion:278 Resp: 813

Ion	Ratio	Lower	Upper
278	100		
139	10.2	12.1	18.1#

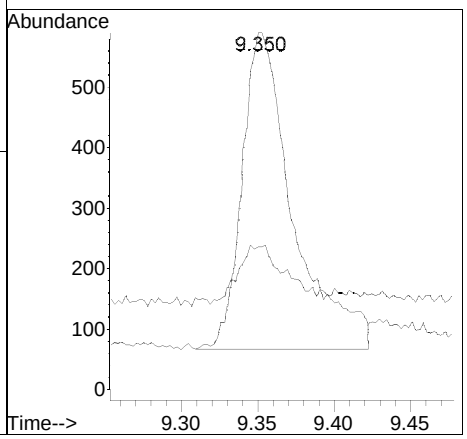




#44
Benzo[g,h,i]perylene
Concen: 6.13 ng/ml
RT: 9.350 min Scan# 5027
Delta R.T. -0.037 min
Lab File: 36247-15.D
Acq: 23 Jun 2025 05:32 pm

Tgt Ion:276 Resp: 1201

Ion	Ratio	Lower	Upper
276	100		
138	17.2	16.0	24.0



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250623RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: 36247-15.D	Operator	: sv119:dv
Date Inj'd	: 6/23/2025 5:32 pm	Instrument	: SV119
Sample	: L2536247-15,32,,jjw	Quant Date	: 6/23/2025 5:45 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-16.D
Acq On : 23 Jun 2025 05:49 pm
Operator : sv119:dv
Sample : L2536247-16,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 23 19:32:13 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.308	152	243763	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 109.23%			
9) Naphthalene-d8	2.966	136	947326	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 112.84%			
18) Acenaphthene-d10	3.944	164	562162	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 112.13%			
23) Phenanthrene-d10	4.794	188	1208929	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 110.75%			
33) Chrysene-d12	6.420	240	1291956	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 111.01%			
38) Perylene-d12	7.711	264	1361230	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 111.47%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.726	112	64293	939.087	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.95%			
4) Phenol-d6	2.120	99	65891	741.246	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.06%			
8) Nitrobenzene-d5	2.584	82	59572	812.388	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 81.24%			
14) 2-Fluorobiphenyl	3.562	172	169102	788.972	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 78.90%			
22) 2,4,6-Tribromophenol	4.392	330	39417	1397.723	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 69.89%			
32) 4-Terphenyl-d14	5.738	244	263695	970.137	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.01%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D.	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D.	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D.	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D.	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-16.D
Acq On : 23 Jun 2025 05:49 pm
Operator : sv119:dv
Sample : L2536247-16,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 23 19:32:13 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

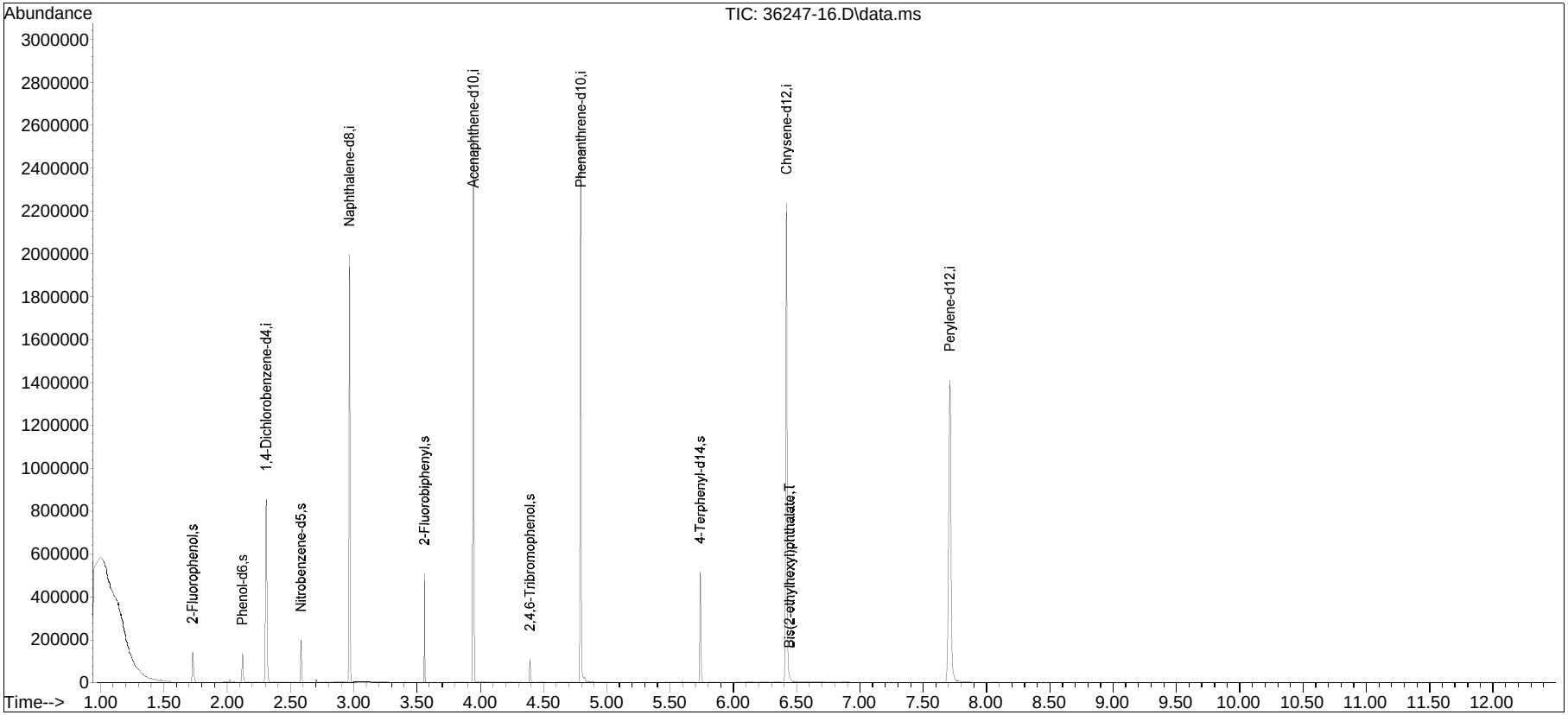
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-16.D
Acq On : 23 Jun 2025 05:49 pm
Operator : sv119:dv
Sample : L2536247-16,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 23 19:32:13 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250623RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: 36247-16.D	Operator	: sv119:dv
Date Inj'd	: 6/23/2025 5:49 pm	Instrument	: SV119
Sample	: L2536247-16,32,,jjw	Quant Date	: 6/23/2025 6:03 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-17.D
Acq On : 23 Jun 2025 06:06 pm
Operator : sv119:dv
Sample : L2536247-17,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 23 19:33:10 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.309	152	256533	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 114.95%			
9) Naphthalene-d8	2.966	136	994815	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 118.50%			
18) Acenaphthene-d10	3.944	164	594350	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 118.55%			
23) Phenanthrene-d10	4.793	188	1270065	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 116.35%			
33) Chrysene-d12	6.421	240	1355856	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 116.50%			
38) Perylene-d12	7.714	264	1461365	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 119.67%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.725	112	52142	723.693	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.18%			
4) Phenol-d6	2.120	99	50894	544.036	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.20%			
8) Nitrobenzene-d5	2.584	82	41647	539.672	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 53.97%			
14) 2-Fluorobiphenyl	3.562	172	122890	545.992	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 54.60%			
22) 2,4,6-Tribromophenol	4.392	330	42445	1423.584	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 71.18%			
32) 4-Terphenyl-d14	5.740	244	242406	848.886	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.89%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D.	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D.	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-17.D
Acq On : 23 Jun 2025 06:06 pm
Operator : sv119:dv
Sample : L2536247-17,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 23 19:33:10 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

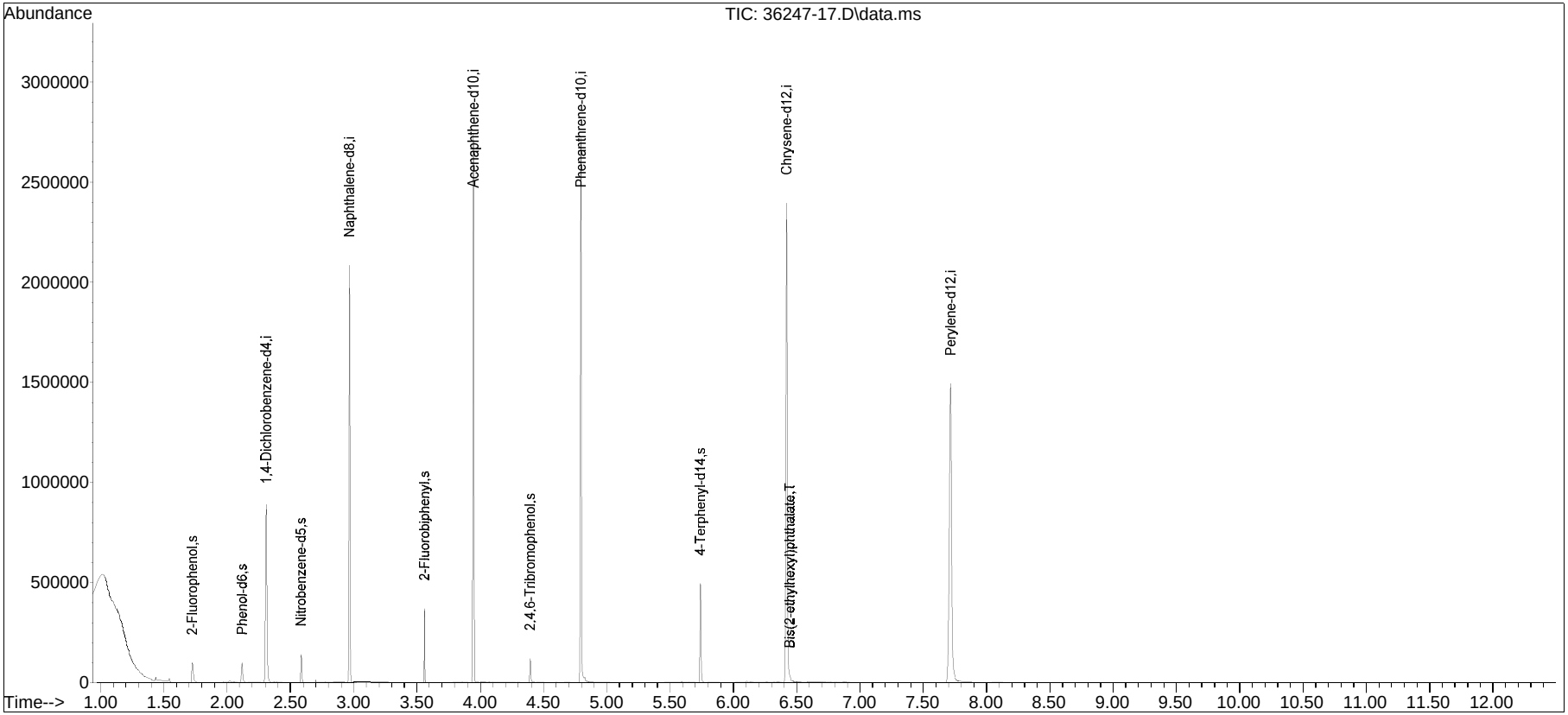
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-17.D
Acq On : 23 Jun 2025 06:06 pm
Operator : sv119:dv
Sample : L2536247-17,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 23 19:33:10 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•



Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-18.D
Acq On : 23 Jun 2025 06:23 pm
Operator : sv119:dv
Sample : L2536247-18,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 23 19:33:55 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	251119	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 112.53%			
9) Naphthalene-d8	2.966	136	967719	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 115.27%			
18) Acenaphthene-d10	3.944	164	571402	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 113.98%			
23) Phenanthrene-d10	4.793	188	1213115	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 111.13%			
33) Chrysene-d12	6.418	240	1268055	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 108.96%			
38) Perylene-d12	7.711	264	1355125	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 110.97%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.730	112	80014	1134.479	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 56.72%			
4) Phenol-d6	2.120	99	72867	795.711	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.79%			
8) Nitrobenzene-d5	2.584	82	58876	779.378	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.94%			
14) 2-Fluorobiphenyl	3.561	172	166962	762.572	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.26%			
22) 2,4,6-Tribromophenol	4.392	330	45352	1582.172	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 79.11%			
32) 4-Terphenyl-d14	5.739	244	236461	866.941	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.69%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D.	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D.	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D.	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D.	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-18.D
Acq On : 23 Jun 2025 06:23 pm
Operator : sv119:dv
Sample : L2536247-18,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 23 19:33:55 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.		

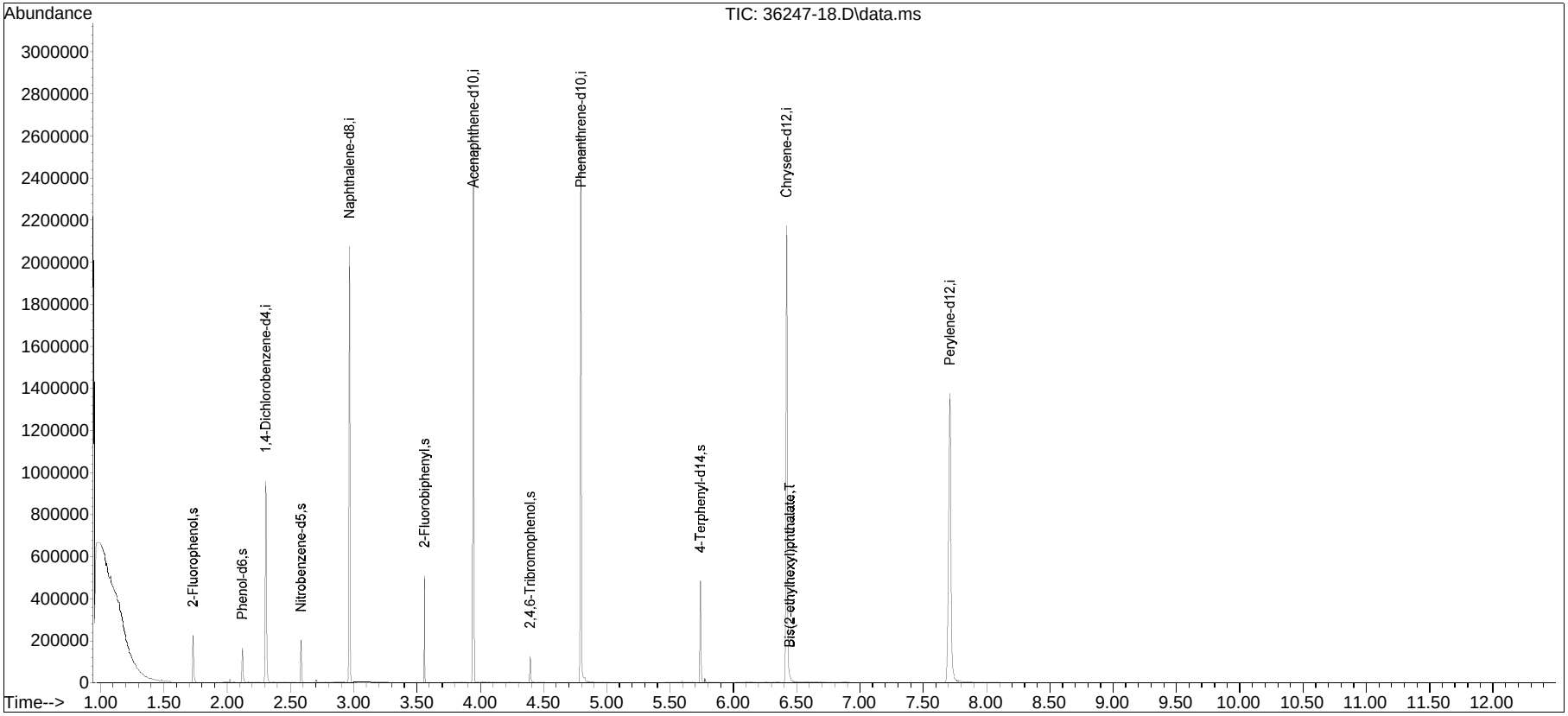
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-18.D
Acq On : 23 Jun 2025 06:23 pm
Operator : sv119:dv
Sample : L2536247-18,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 23 19:33:55 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250623RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: 36247-18.D	Operator	: sv119:dv
Date Inj'd	: 6/23/2025 6:23 pm	Instrument	: SV119
Sample	: L2536247-18,32,,jjw	Quant Date	: 6/23/2025 6:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-20.D
Acq On : 23 Jun 2025 06:40 pm
Operator : sv119:dv
Sample : L2536247-20,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 23 19:34:44 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.307	152	249107	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 111.63%			
9) Naphthalene-d8	2.966	136	959059	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 114.24%			
18) Acenaphthene-d10	3.944	164	578718	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 115.44%			
23) Phenanthrene-d10	4.794	188	1231283	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 112.79%			
33) Chrysene-d12	6.418	240	1294612	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 111.24%			
38) Perylene-d12	7.711	264	1351911	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 110.71%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	66900	956.203	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.81%			
4) Phenol-d6	2.121	99	64249	707.269	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 35.36%			
8) Nitrobenzene-d5	2.584	82	54660	729.412	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.94%			
14) 2-Fluorobiphenyl	3.561	172	158536	730.626	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.06%			
22) 2,4,6-Tribromophenol	4.392	330	44593	1536.026	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.80%			
32) 4-Terphenyl-d14	5.738	244	259996	939.162	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.92%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D.	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D.	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D.	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-20.D
Acq On : 23 Jun 2025 06:40 pm
Operator : sv119:dv
Sample : L2536247-20,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 23 19:34:44 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

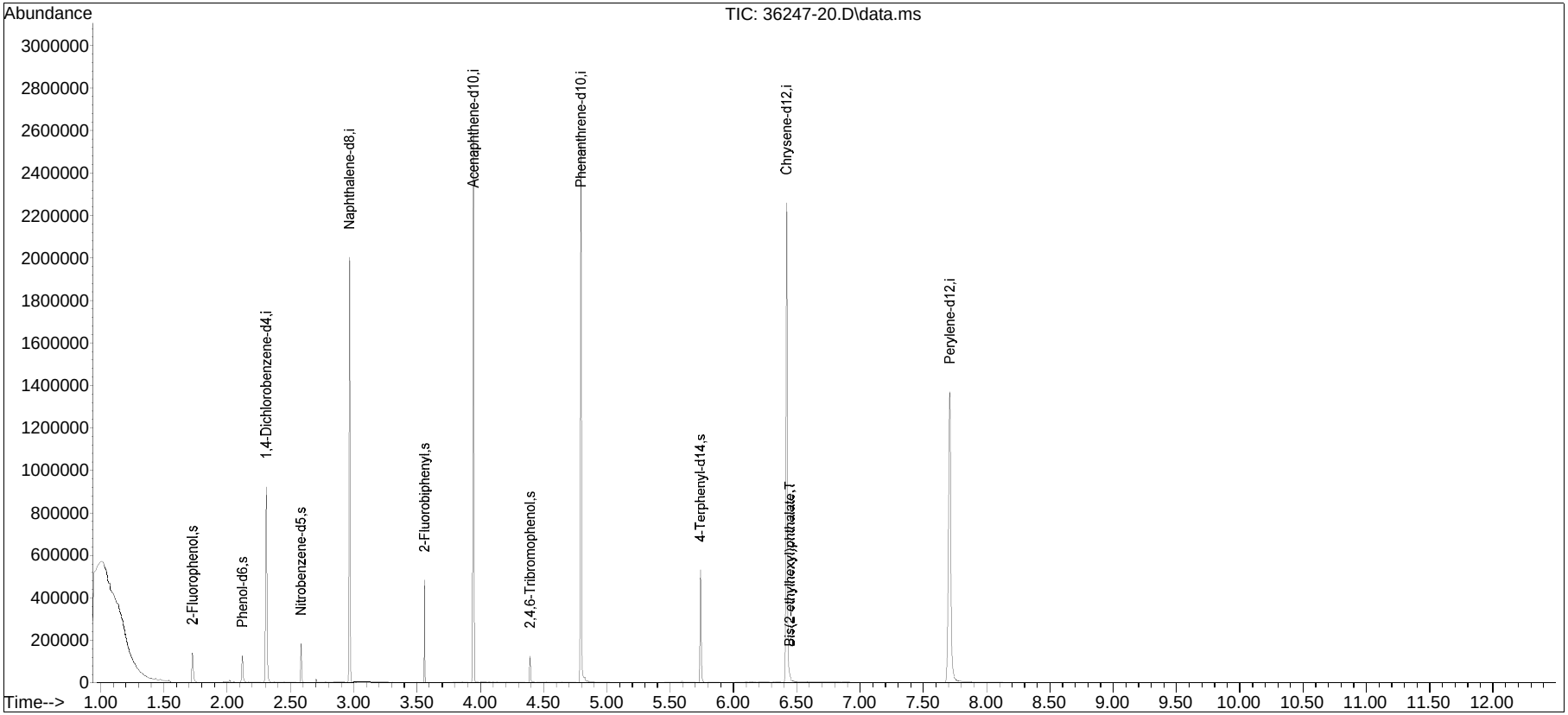
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-20.D
Acq On : 23 Jun 2025 06:40 pm
Operator : sv119:dv
Sample : L2536247-20,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 23 19:34:44 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250623RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: 36247-20.D	Operator	: sv119:dv
Date Inj'd	: 6/23/2025 6:40 pm	Instrument	: SV119
Sample	: L2536247-20,32,,jjw	Quant Date	: 6/23/2025 6:54 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-12.D
Acq On : 23 Jun 2025 06:58 pm
Operator : sv119:dv
Sample : L2536247-12,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 23 19:35:32 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.307	152	251655	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 112.77%			
9) Naphthalene-d8	2.967	136	986024	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 117.45%			
18) Acenaphthene-d10	3.945	164	614416	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 122.56%			
23) Phenanthrene-d10	4.793	188	1315631	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 120.52%			
33) Chrysene-d12	6.416	240	1344586	4000.000	ng/ml	-0.04
Standard Area 1 = 1163786			Recovery = 115.54%			
38) Perylene-d12	7.709	264	1426439	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 116.81%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.726	112	69992	990.268	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.51%			
4) Phenol-d6	2.121	99	63784	695.041	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 34.75%			
8) Nitrobenzene-d5	2.584	82	55701	735.778	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.58%			
14) 2-Fluorobiphenyl	3.561	172	162192	727.033	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.70%			
22) 2,4,6-Tribromophenol	4.392	330	44421	1441.202	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 72.06%			
32) 4-Terphenyl-d14	5.738	244	246482	833.264	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.33%			

Target Compounds			Qvalue
7) Hexachloroethane	0.000	0	N.D.
10) Naphthalene	0.000	0	N.D. d
11) Hexachlorobutadiene	0.000	0	N.D.
12) 2-Methylnaphthalene	0.000	0	N.D. d
15) 2-Chloronaphthalene	0.000	0	N.D. d
17) Acenaphthylene	0.000	0	N.D.
19) Acenaphthene	0.000	0	N.D. d
21) Fluorene	0.000	0	N.D. d
25) Hexachlorobenzene	0.000	0	N.D.
26) Pentachlorophenol	0.000	0	N.D. d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-12.D
Acq On : 23 Jun 2025 06:58 pm
Operator : sv119:dv
Sample : L2536247-12,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 23 19:35:32 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

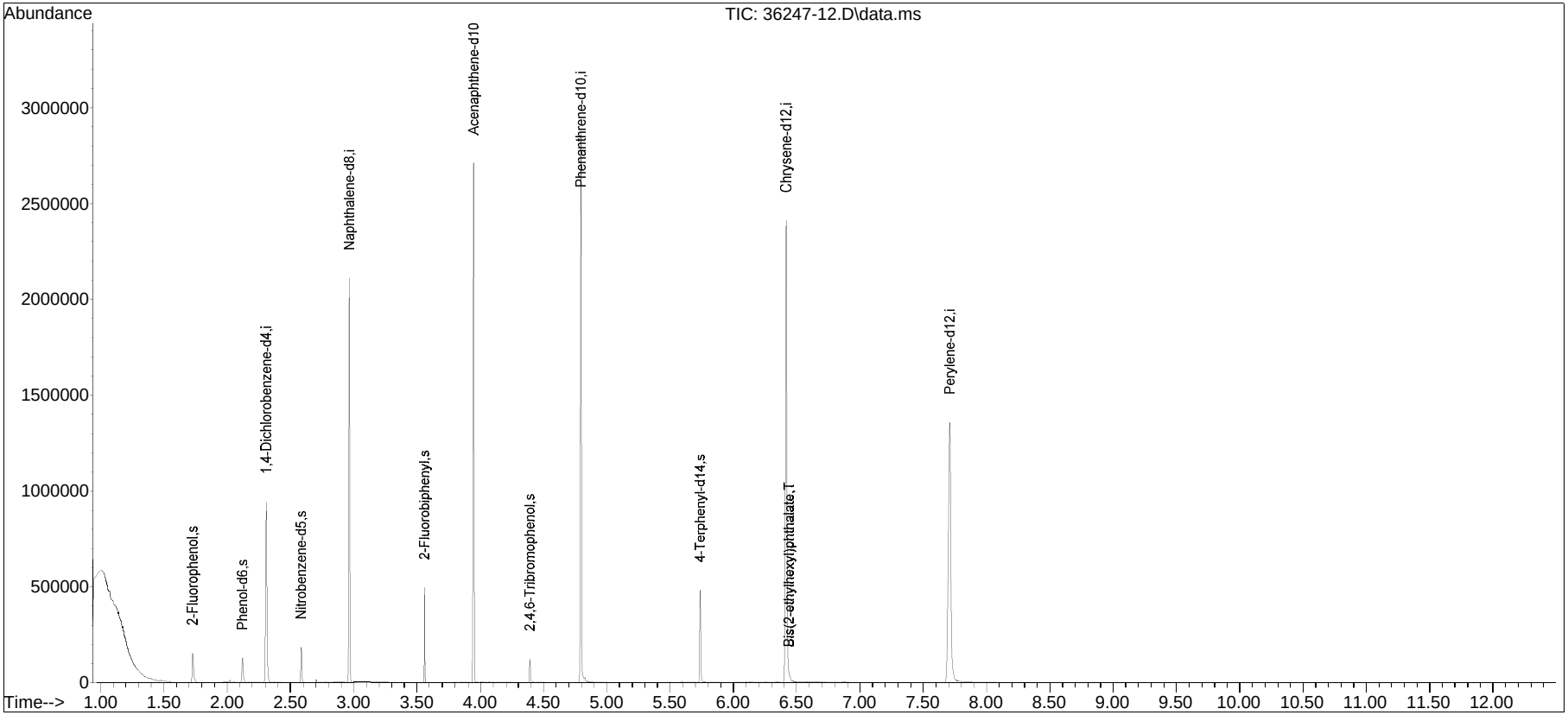
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 36247-12.D
Acq On : 23 Jun 2025 06:58 pm
Operator : sv119:dv
Sample : L2536247-12,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Jun 23 19:35:32 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250623RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: 36247-12.D	Operator	: sv119:dv
Date Inj'd	: 6/23/2025 6:58 pm	Instrument	: SV119
Sample	: L2536247-12,32,,jjw	Quant Date	: 6/23/2025 7:11 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-03.D
Acq On : 26 Jun 2025 04:35 am
Operator : SV118:slr
Sample : L2536247-03,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 26 09:59:53 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.097	152	961075	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 167.54%			
9) Naphthalene-d8	2.763	136	3723095	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 172.49%			
18) Acenaphthene-d10	3.743	164	2128060	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 181.67%			
23) Phenanthrene-d10	4.583	188	3798992	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 171.63%			
33) Chrysene-d12	6.103	240	3038701	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 160.65%			
38) Perylene-d12	7.219	264	3293540	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 167.90%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.517	112	267582	910.503	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.53%			
4) Phenol-d6	1.918	99	254331	722.262	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.11%			
8) Nitrobenzene-d5	2.379	82	248490	864.182	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.42%			
14) 2-Fluorobiphenyl	3.366	172	619042	759.320	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.93%			
22) 2,4,6-Tribromophenol	4.189	330	150295	1526.753	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.34%			
32) 4-Terphenyl-d14	5.499	244	601168	681.192	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 68.12%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D.	d
10) Naphthalene	0.000	0	N.D.	d
11) Hexachlorobutadiene	0.000	0	N.D.	d
12) 2-Methylnaphthalene	0.000	0	N.D.	d
15) 2-Chloronaphthalene	0.000	0	N.D.	d
17) Acenaphthylene	0.000	0	N.D.	d
19) Acenaphthene	0.000	0	N.D.	d
21) Fluorene	0.000	0	N.D.	d
25) Hexachlorobenzene	0.000	0	N.D.	d
26) Pentachlorophenol	0.000	0	N.D.	d

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-03.D
Acq On : 26 Jun 2025 04:35 am
Operator : SV118:slr
Sample : L2536247-03,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 26 09:59:53 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

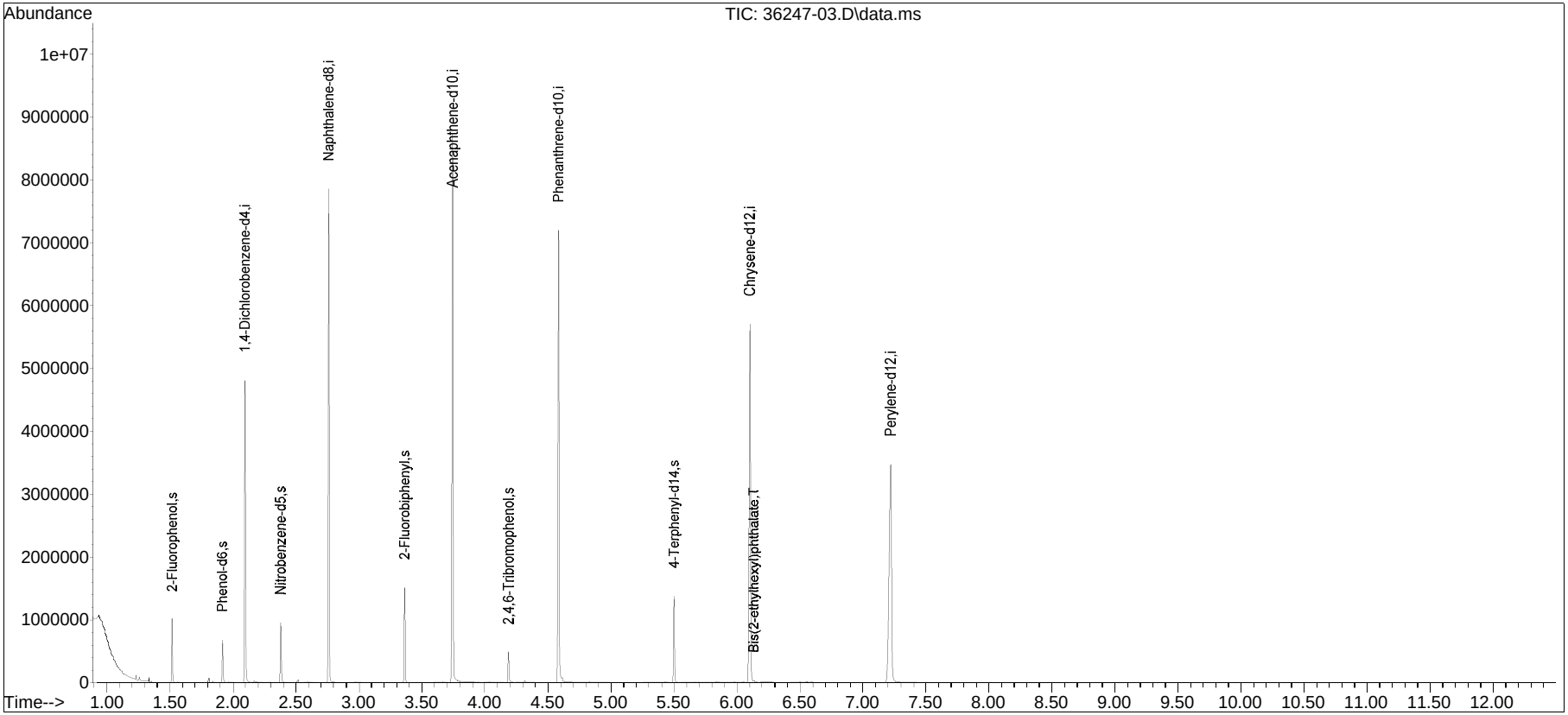
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-03.D
Acq On : 26 Jun 2025 04:35 am
Operator : SV118:slr
Sample : L2536247-03,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 26 09:59:53 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0625n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250625nRVQ	Method	: SIM-RVT_250203sv118.M
Data File	: 36247-03.D	Operator	: SV118:slr
Date Inj'd	: 6/26/2025 4:35 am	Instrument	: SV118
Sample	: L2536247-03,32,,dv	Quant Date	: 6/26/2025 4:48 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-04.D
Acq On : 26 Jun 2025 04:52 am
Operator : SV118:slr
Sample : L2536247-04,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 26 10:00:47 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.099	152	950924	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 165.77%			
9) Naphthalene-d8	2.763	136	3617477	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 167.59%			
18) Acenaphthene-d10	3.743	164	2056143	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 175.53%			
23) Phenanthrene-d10	4.583	188	3671371	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 165.87%			
33) Chrysene-d12	6.100	240	2944629	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 155.68%			
38) Perylene-d12	7.217	264	3188324	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 162.54%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.521	112	273005	938.872	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 46.94%			
4) Phenol-d6	1.920	99	254519	730.511	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.53%			
8) Nitrobenzene-d5	2.380	82	236132	829.970	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.00%			
14) 2-Fluorobiphenyl	3.363	172	572774	723.080	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.31%			
22) 2,4,6-Tribromophenol	4.188	330	135807	1427.832	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 71.39%			
32) 4-Terphenyl-d14	5.500	244	546519	640.795	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 64.08%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-04.D
Acq On : 26 Jun 2025 04:52 am
Operator : SV118:slr
Sample : L2536247-04,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 26 10:00:47 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

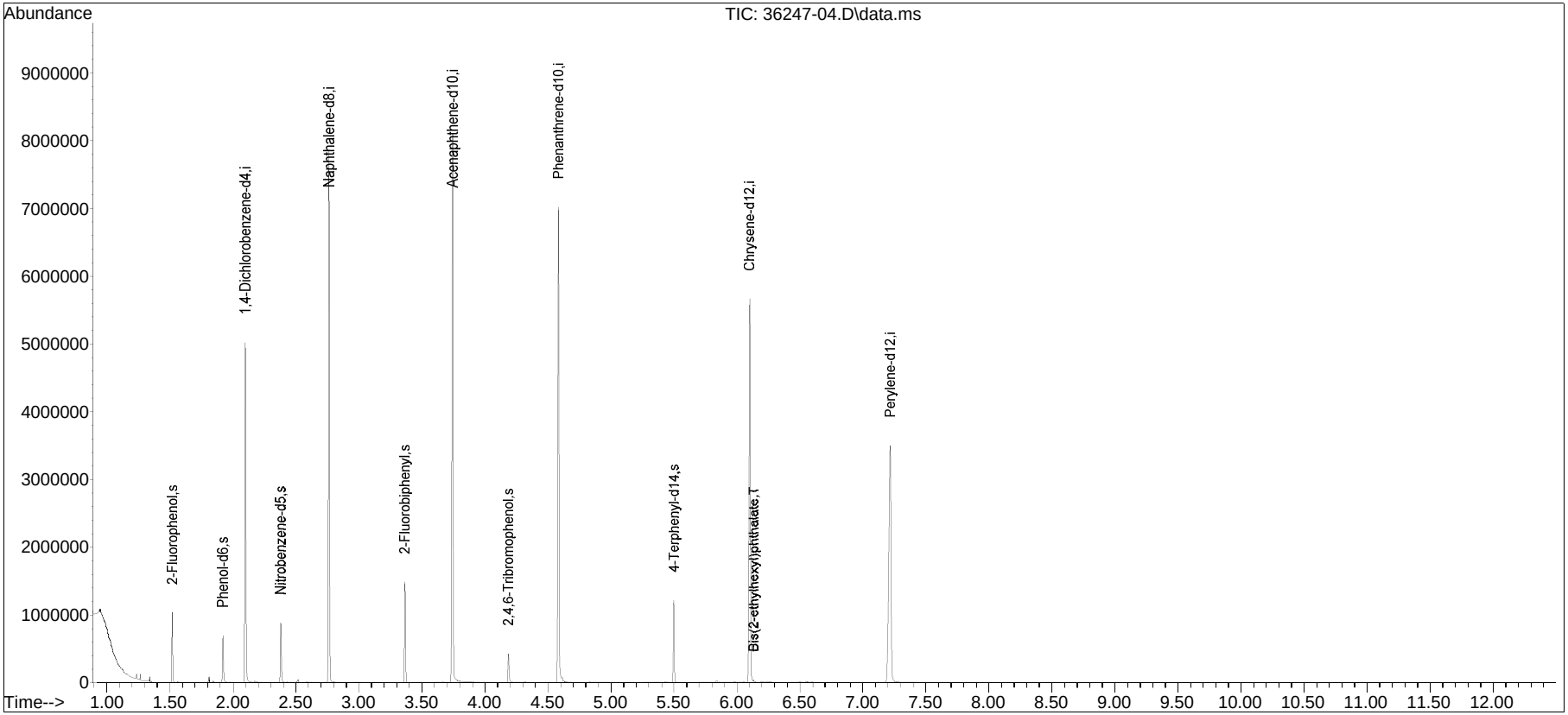
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-04.D
Acq On : 26 Jun 2025 04:52 am
Operator : SV118:slr
Sample : L2536247-04,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 26 10:00:47 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0625n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250625nRVQ	Method	: SIM-RVT_250203sv118.M
Data File	: 36247-04.D	Operator	: SV118:slr
Date Inj'd	: 6/26/2025 4:52 am	Instrument	: SV118
Sample	: L2536247-04,32,,dv	Quant Date	: 6/26/2025 5:05 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-05.D
Acq On : 26 Jun 2025 05:09 am
Operator : SV118:slr
Sample : L2536247-05,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 26 10:02:18 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.099	152	896205	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 156.23%			
9) Naphthalene-d8	2.762	136	3330196	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 154.28%			
18) Acenaphthene-d10	3.743	164	1850412	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 157.96%			
23) Phenanthrene-d10	4.583	188	3298127	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 149.01%			
33) Chrysene-d12	6.101	240	2894758	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 153.04%			
38) Perylene-d12	7.219	264	3243678	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 165.36%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.521	112	275462	1005.162	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.26%			
4) Phenol-d6	1.920	99	244691	745.183	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.26%			
8) Nitrobenzene-d5	2.381	82	236766	883.010	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.30%			
14) 2-Fluorobiphenyl	3.366	172	557594	764.641	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.46%			
22) 2,4,6-Tribromophenol	4.189	330	130123	1520.176	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.01%			
32) 4-Terphenyl-d14	5.499	244	550463	718.460	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.85%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-05.D
Acq On : 26 Jun 2025 05:09 am
Operator : SV118:slr
Sample : L2536247-05,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 26 10:02:18 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

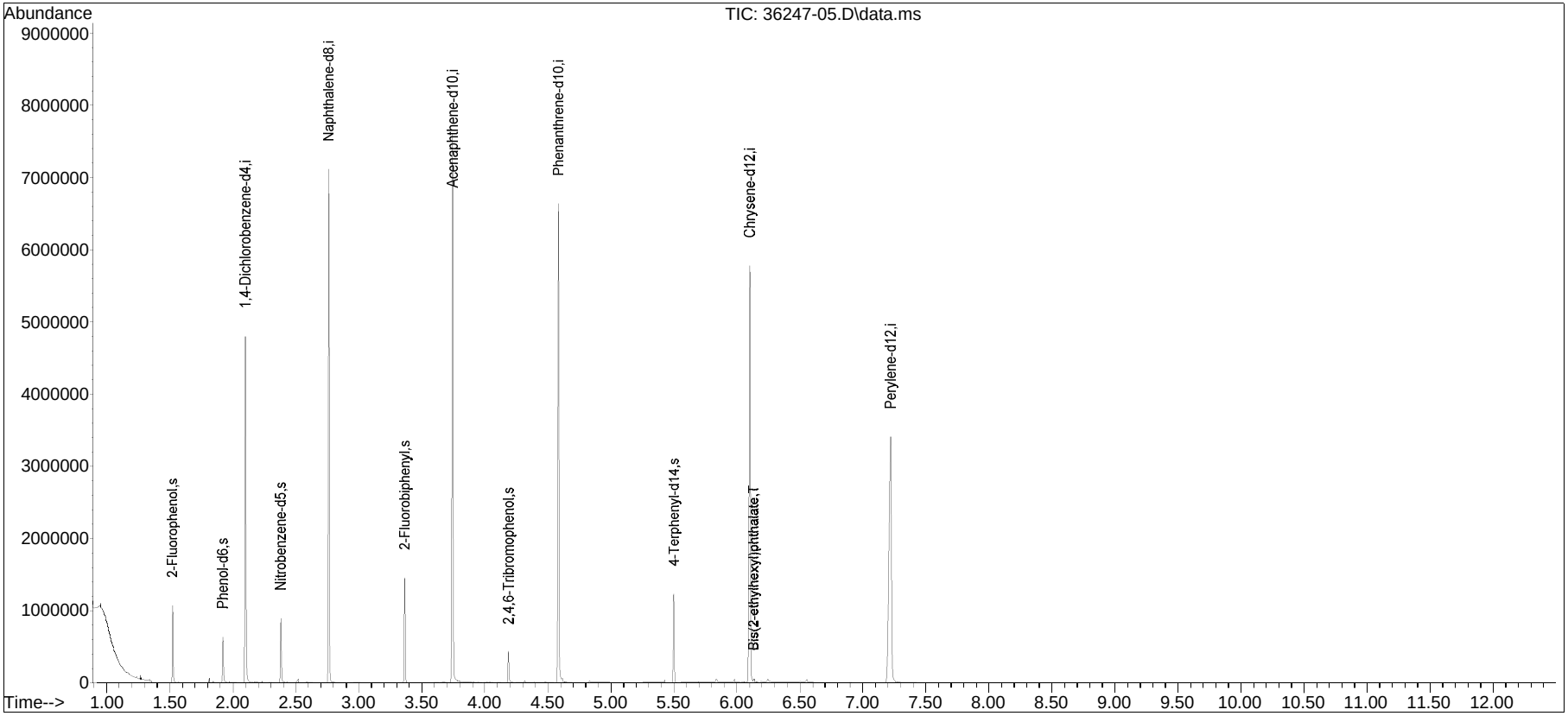
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-05.D
Acq On : 26 Jun 2025 05:09 am
Operator : SV118:slr
Sample : L2536247-05,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 26 10:02:18 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0625n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250625nRVQ	Method	: SIM-RVT_250203sv118.M
Data File	: 36247-05.D	Operator	: SV118:slr
Date Inj'd	: 6/26/2025 5:09 am	Instrument	: SV118
Sample	: L2536247-05,32,,dv	Quant Date	: 6/26/2025 5:24 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-08.D
Acq On : 26 Jun 2025 05:26 am
Operator : SV118:slr
Sample : L2536247-08,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 26 10:03:53 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.099	152	777336	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 135.51%			
9) Naphthalene-d8	2.763	136	3006870	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 139.30%			
18) Acenaphthene-d10	3.743	164	1680854	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 143.49%			
23) Phenanthrene-d10	4.583	188	3117173	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 140.83%			
33) Chrysene-d12	6.100	240	2861384	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 151.28%			
38) Perylene-d12	7.217	264	3184267	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 162.33%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.521	112	235831	992.142	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.61%			
4) Phenol-d6	1.923	99	213425	749.357	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 37.47%			
8) Nitrobenzene-d5	2.381	82	196083	843.111	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 84.31%			
14) 2-Fluorobiphenyl	3.367	172	473974	719.861	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.99%			
22) 2,4,6-Tribromophenol	4.188	330	118649	1525.957	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.30%			
32) 4-Terphenyl-d14	5.499	244	515848	712.365	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.24%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-08.D
Acq On : 26 Jun 2025 05:26 am
Operator : SV118:slr
Sample : L2536247-08,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 26 10:03:53 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

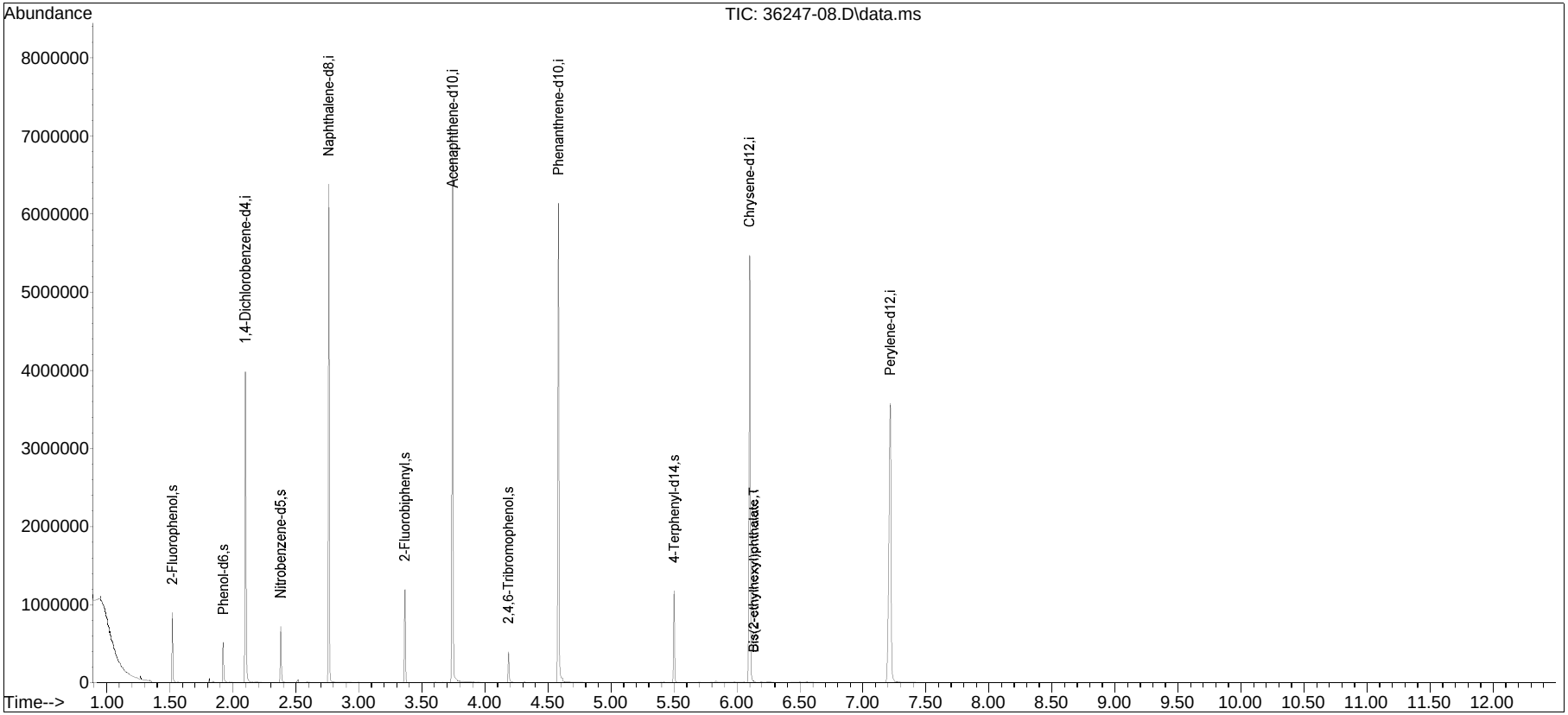
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-08.D
Acq On : 26 Jun 2025 05:26 am
Operator : SV118:slr
Sample : L2536247-08,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jun 26 10:03:53 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0625n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250625nRVQ	Method	: SIM-RVT_250203sv118.M
Data File	: 36247-08.D	Operator	: SV118:slr
Date Inj'd	: 6/26/2025 5:26 am	Instrument	: SV118
Sample	: L2536247-08,32,,dv	Quant Date	: 6/26/2025 5:39 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-09.D
Acq On : 26 Jun 2025 05:43 am
Operator : SV118:slr
Sample : L2536247-09,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 26 10:07:26 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.099	152	863706	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 150.57%			
9) Naphthalene-d8	2.763	136	3281606	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 152.03%			
18) Acenaphthene-d10	3.743	164	1836814	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 156.80%			
23) Phenanthrene-d10	4.583	188	3357210	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 151.68%			
33) Chrysene-d12	6.101	240	3055506	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 161.54%			
38) Perylene-d12	7.219	264	3449754	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 175.87%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.522	112	214997	814.045	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.70%			
4) Phenol-d6	1.923	99	194416	614.354	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.72%			
8) Nitrobenzene-d5	2.381	82	179083	693.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.30%			
14) 2-Fluorobiphenyl	3.366	172	436211	607.043	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 60.70%			
22) 2,4,6-Tribromophenol	4.188	330	98782	1162.575	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 58.13%			
32) 4-Terphenyl-d14	5.497	244	459495	589.175	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 58.92%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-09.D
Acq On : 26 Jun 2025 05:43 am
Operator : SV118:slr
Sample : L2536247-09,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 26 10:07:26 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

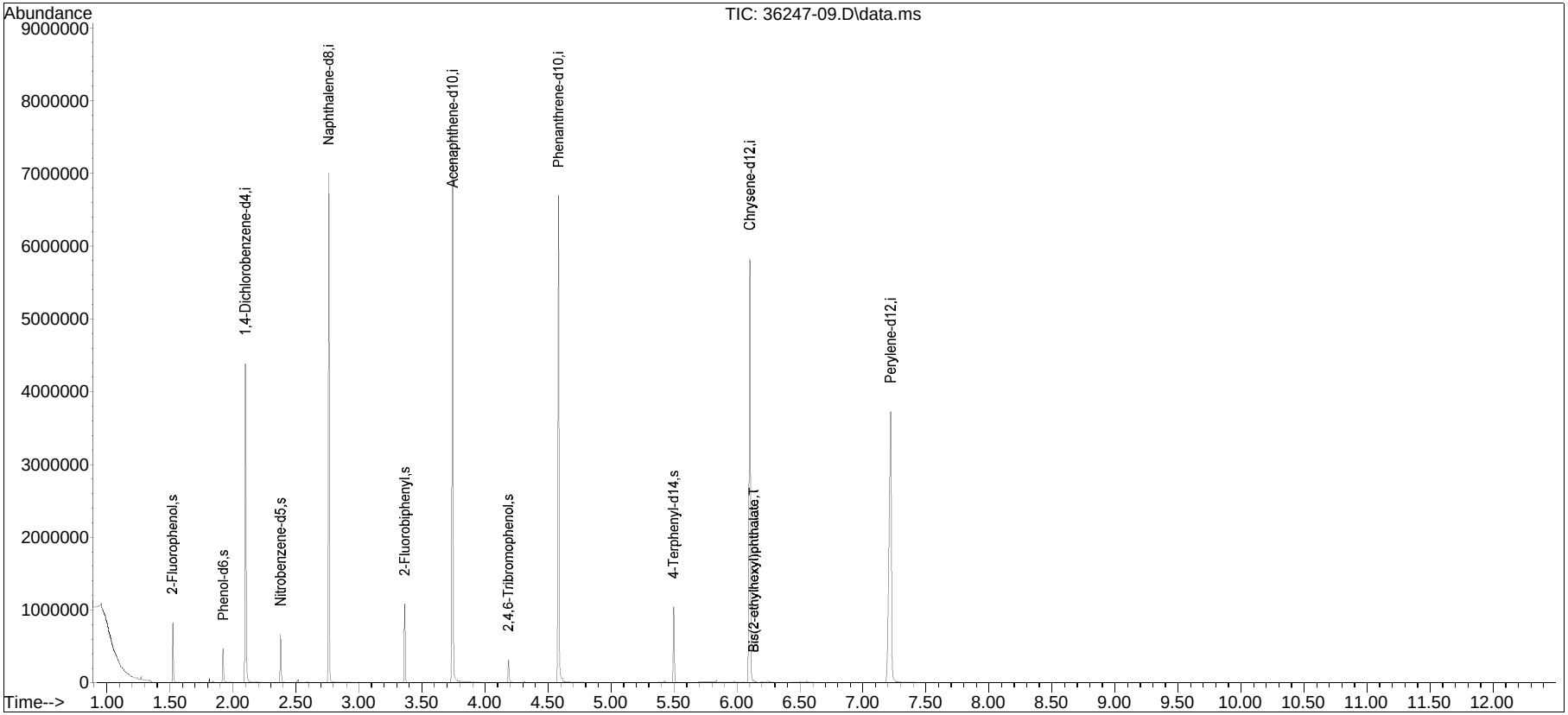
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-09.D
Acq On : 26 Jun 2025 05:43 am
Operator : SV118:slr
Sample : L2536247-09,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Jun 26 10:07:26 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0625n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250625nRVQ	Method	: SIM-RVT_250203sv118.M
Data File	: 36247-09.D	Operator	: SV118:slr
Date Inj'd	: 6/26/2025 5:43 am	Instrument	: SV118
Sample	: L2536247-09,32,,dv	Quant Date	: 6/26/2025 5:56 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : 36247-01.D
Acq On : 26 Jun 2025 5:45 am
Operator : SV106:slr
Sample : L2536247-01,32,,dv
Misc : WG2083521,WG2078864,ical22184
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:13:40 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250625RVTsim\SIM0625n.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.528	152	133236	4000.000	ng/ml	0.00
Standard Area 1 = 92333			Recovery = 144.30%			
9) Naphthalene-d8	7.940	136	482245	4000.000	ng/ml	0.00
Standard Area 1 = 317893			Recovery = 151.70%			
18) Acenaphthene-d10	9.702	164	272931	4000.000	ng/ml	0.00
Standard Area 1 = 181431			Recovery = 150.43%			
23) Phenanthrene-d10	11.144	188	530978	4000.000	ng/ml	0.00
Standard Area 1 = 358726			Recovery = 148.02%			
33) Chrysene-d12	13.788	240	529454	4000.000	ng/ml	0.00
Standard Area 1 = 318864			Recovery = 166.04%			
38) Perylene-d12	15.256	264	561531	4000.000	ng/ml	0.00
Standard Area 1 = 357013			Recovery = 157.29%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.685	112	52697	1557.208	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 77.86%			
4) Phenol-d6	6.154	99	59622	1483.172	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 74.16%			
8) Nitrobenzene-d5	7.171	82	59201	1831.712	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 183.17%#			
14) 2-Fluorobiphenyl	9.061	172	145663	1339.705	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 133.97%#			
22) 2,4,6-Tribromophenol	10.472	330	36787	2716.916	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 135.85%#			
32) 4-Terphenyl-d14	12.721	244	192772	1461.122	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 146.11%#			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	7.968	128	489M3	3.659	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.		
16) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.		
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		
26) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : 36247-01.D
Acq On : 26 Jun 2025 5:45 am
Operator : SV106:slr
Sample : L2536247-01,32,,dv
Misc : WG2083521,WG2078864,ical22184
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:13:40 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250625RVTsim\SIM0625n.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
31) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

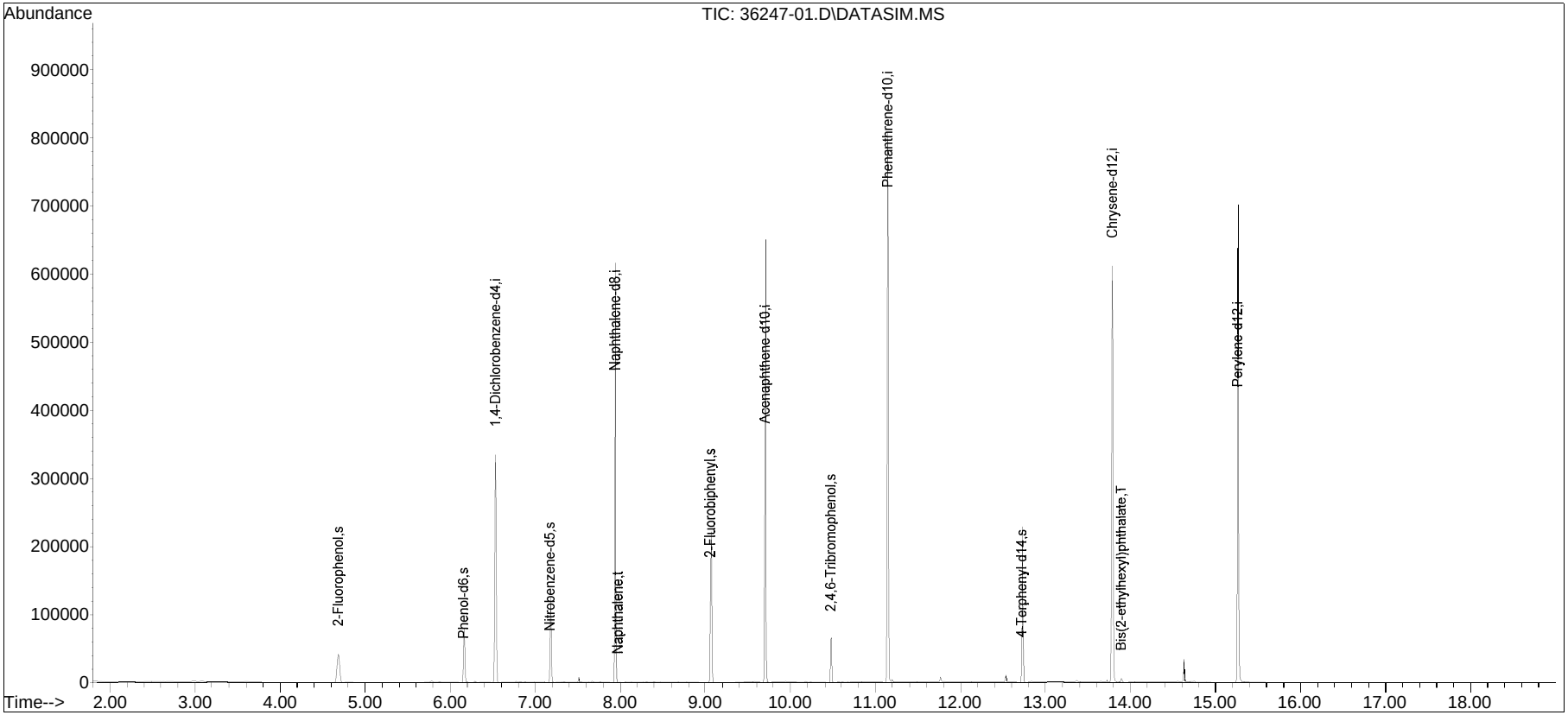
(#) = qualifier out of range (m) = manual integration (+) = signals summed

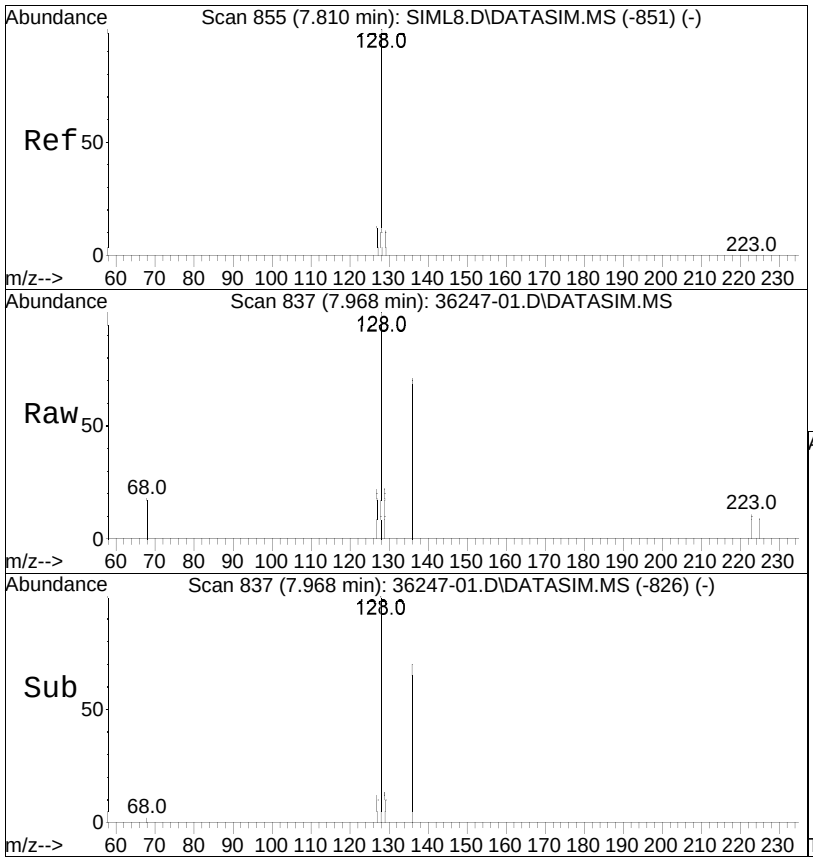
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : 36247-01.D
Acq On : 26 Jun 2025 5:45 am
Operator : SV106:slr
Sample : L2536247-01,32,,dv
Misc : WG2083521,WG2078864,ical22184
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 26 12:13:40 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed\SIM0625n.D•

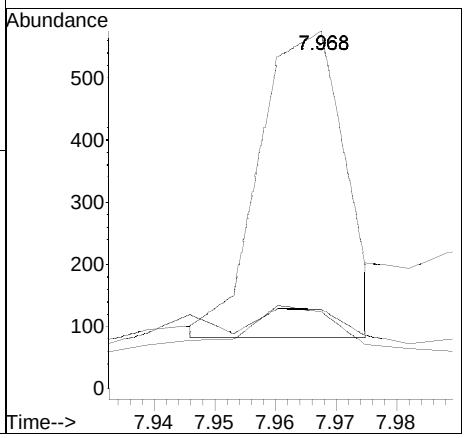




#10
Naphthalene
Concen: 3.66 ng/ml M3
RT: 7.968 min Scan# 837
Delta R.T. 0.000 min
Lab File: 36247-01.D
Acq: 26 Jun 2025 5:45 am

Tgt Ion:128 Resp: 489

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.6	16.0

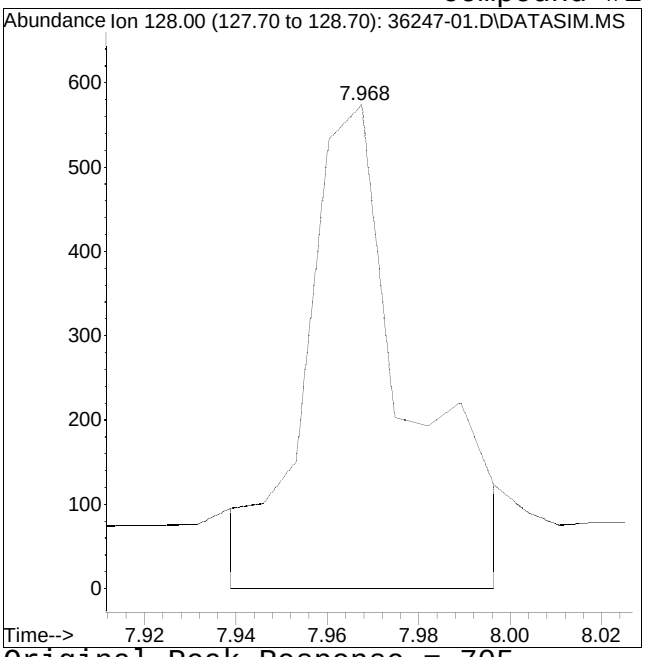


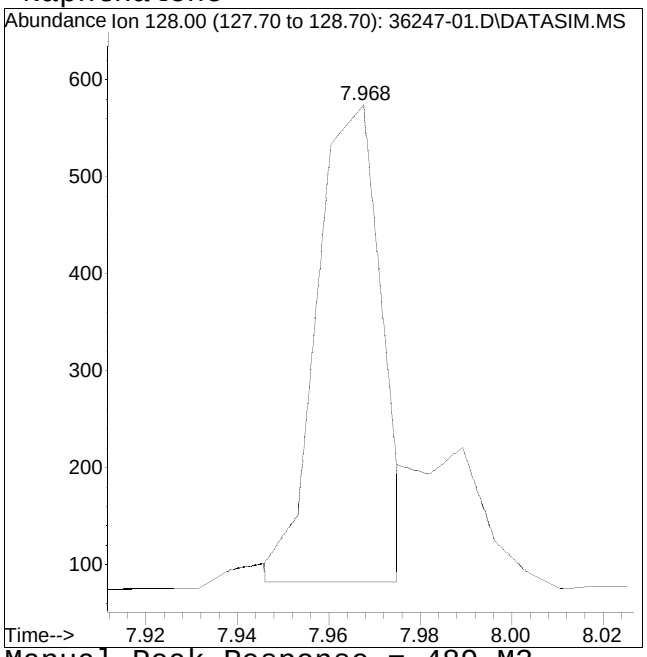
Manual Integration Report

Data Path : I:\8270\SV106\250625RVTsim
Data File : 36247-01.D
Date Inj'd : 6/26/2025 5:45 am
Sample : L2536247-01,32,,dv

QMethod : SIM-RVT_250311_sv106.M
Operator : SV106:slr
Instrument : SV 106
Quant Date : 6/26/2025 11:02 am

Compound #10: Naphthalene





Original Peak Response = 705 Manual Peak Response = 489 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-11.D
Acq On : 26 Jun 2025 06:00 am
Operator : SV118:slr
Sample : L2536247-11,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 26 10:09:21 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.099	152	755652	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 131.73%			
9) Naphthalene-d8	2.762	136	2920782	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 135.32%			
18) Acenaphthene-d10	3.742	164	1622465	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 138.50%			
23) Phenanthrene-d10	4.583	188	2993074	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 135.22%			
33) Chrysene-d12	6.101	240	2708801	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 143.21%			
38) Perylene-d12	7.217	264	3039849	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 154.97%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.522	112	242367	1048.899	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.44%			
4) Phenol-d6	1.923	99	221932	801.587	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 40.08%			
8) Nitrobenzene-d5	2.381	82	194700	861.188	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.12%			
14) 2-Fluorobiphenyl	3.366	172	476652	745.266	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.53%			
22) 2,4,6-Tribromophenol	4.189	330	115359	1537.037	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.85%			
32) 4-Terphenyl-d14	5.499	244	495518	712.662	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.27%			

Target Compounds				Qvalue
7) Hexachloroethane	0.000	0	N.D. d	
10) Naphthalene	0.000	0	N.D. d	
11) Hexachlorobutadiene	0.000	0	N.D. d	
12) 2-Methylnaphthalene	0.000	0	N.D. d	
15) 2-Chloronaphthalene	0.000	0	N.D. d	
17) Acenaphthylene	0.000	0	N.D. d	
19) Acenaphthene	0.000	0	N.D. d	
21) Fluorene	0.000	0	N.D. d	
25) Hexachlorobenzene	0.000	0	N.D. d	
26) Pentachlorophenol	0.000	0	N.D. d	

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-11.D
Acq On : 26 Jun 2025 06:00 am
Operator : SV118:slr
Sample : L2536247-11,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 26 10:09:21 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

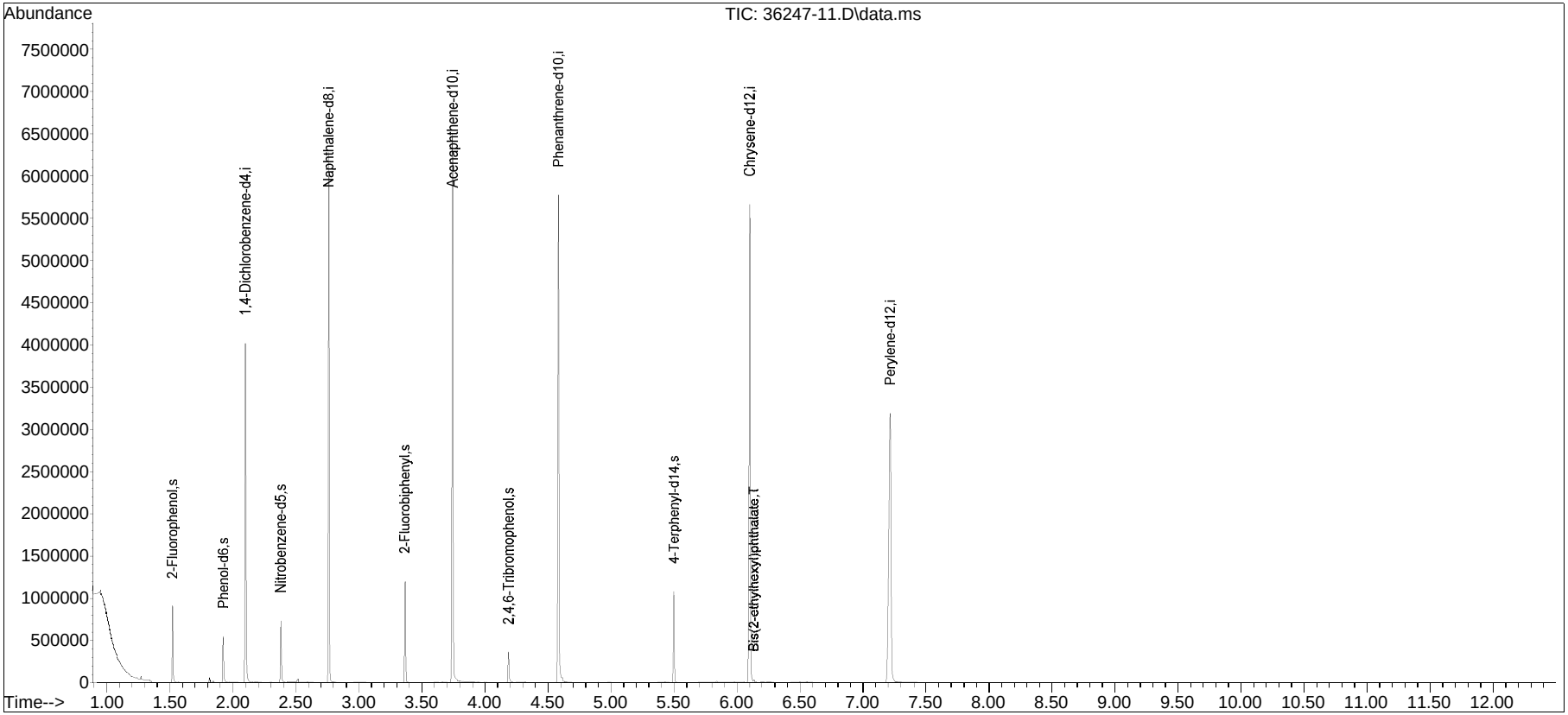
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-11.D
Acq On : 26 Jun 2025 06:00 am
Operator : SV118:slr
Sample : L2536247-11,32,,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Jun 26 10:09:21 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listedT\ccv0625n.D•



Manual Integration Report

Data Path	: I:\8270SIM\SV118\250625nRVQ	Method	: SIM-RVT_250203sv118.M
Data File	: 36247-11.D	Operator	: SV118:slr
Date Inj'd	: 6/26/2025 6:00 am	Instrument	: SV118
Sample	: L2536247-11,32,,dv	Quant Date	: 6/26/2025 6:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : 36247-02.D
Acq On : 26 Jun 2025 6:08 am
Operator : SV106:slr
Sample : L2536247-02,32,,dv
Misc : WG2083521,WG2078864,ical22184
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 26 12:15:25 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250625RVTsim\SIM0625n.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.528	152	110619	4000.000	ng/ml	0.00
Standard Area 1 = 92333			Recovery = 119.80%			
9) Naphthalene-d8	7.940	136	452569	4000.000	ng/ml	0.00
Standard Area 1 = 317893			Recovery = 142.37%			
18) Acenaphthene-d10	9.708	164	240128M3	4000.000	ng/ml	0.00
Standard Area 1 = 181431			Recovery = 132.35%			
23) Phenanthrene-d10	11.144	188	523933	4000.000	ng/ml	0.00
Standard Area 1 = 358726			Recovery = 146.05%			
33) Chrysene-d12	13.788	240	566025	4000.000	ng/ml	0.00
Standard Area 1 = 318864			Recovery = 177.51%			
38) Perylene-d12	15.256	264	597996	4000.000	ng/ml	0.00
Standard Area 1 = 357013			Recovery = 167.50%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.691	112	27394M3	975.007	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.75%			
4) Phenol-d6	6.163	99	20498	614.170	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 30.71%			
8) Nitrobenzene-d5	7.179	82	23546	877.480	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.75%			
14) 2-Fluorobiphenyl	9.061	172	61422	601.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 60.20%			
22) 2,4,6-Tribromophenol	10.472	330	18779	1576.392	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 78.82%			
32) 4-Terphenyl-d14	12.721	244	100092	768.852	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 76.89%			
Target Compounds						Qvalue
6) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	7.968	128	662M3	5.278	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.		
15) 2-Chloronaphthalene	0.000		0	N.D.		
16) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.		
21) Fluorene	0.000		0	N.D.		
25) Hexachlorobenzene	0.000		0	N.D.		

Data Path : I:\8270\SV106\250625RVTsim\
Data File : 36247-02.D
Acq On : 26 Jun 2025 6:08 am
Operator : SV106:slr
Sample : L2536247-02,32,,dv
Misc : WG2083521,WG2078864,ical22184
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 26 12:15:25 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250625RVTsim\SIM0625n.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.		
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
31) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

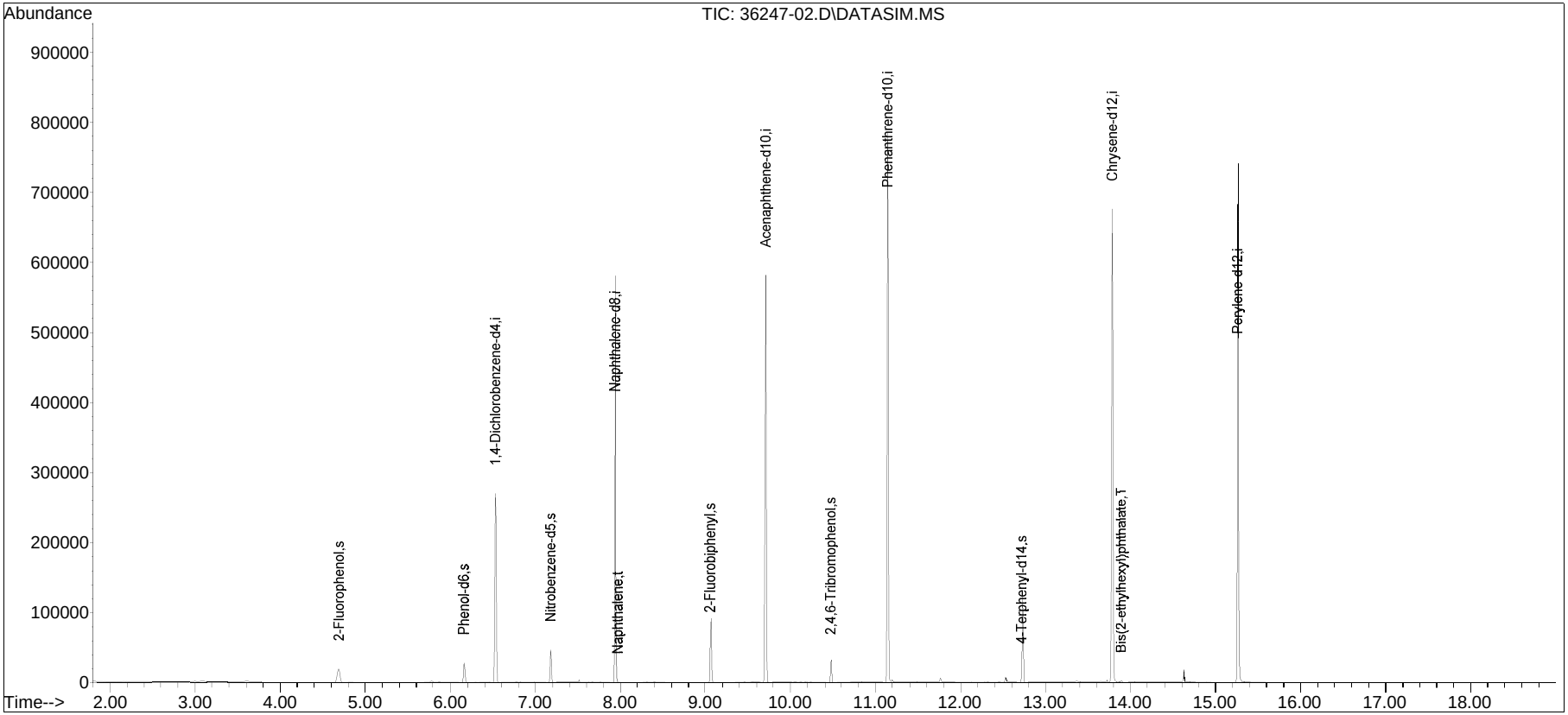
(#) = qualifier out of range (m) = manual integration (+) = signals summed

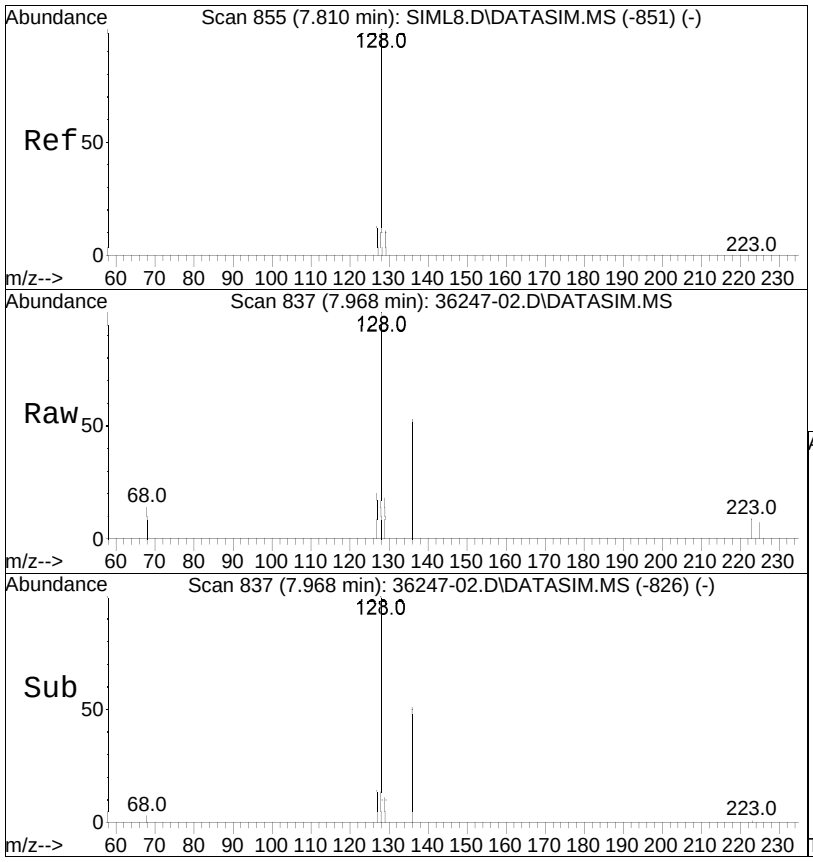
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : 36247-02.D
Acq On : 26 Jun 2025 6:08 am
Operator : SV106:slr
Sample : L2536247-02,32,,dv
Misc : WG2083521,WG2078864,ical22184
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 26 12:15:25 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed\SIM0625n.D•

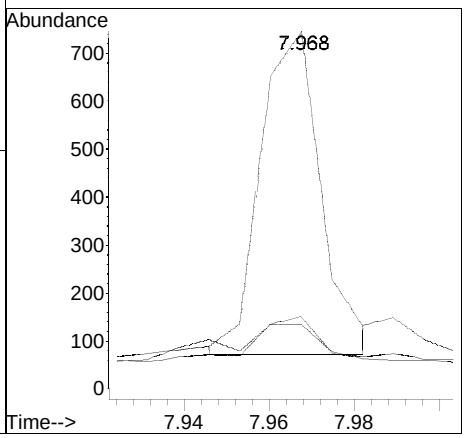




#10
Naphthalene
Concen: 5.28 ng/ml M3
RT: 7.968 min Scan# 837
Delta R.T. 0.000 min
Lab File: 36247-02.D
Acq: 26 Jun 2025 6:08 am

Tgt Ion:128 Resp: 662

Ion	Ratio	Lower	Upper
128	100		
129	12.5	8.8	13.2
127	11.3	10.6	16.0

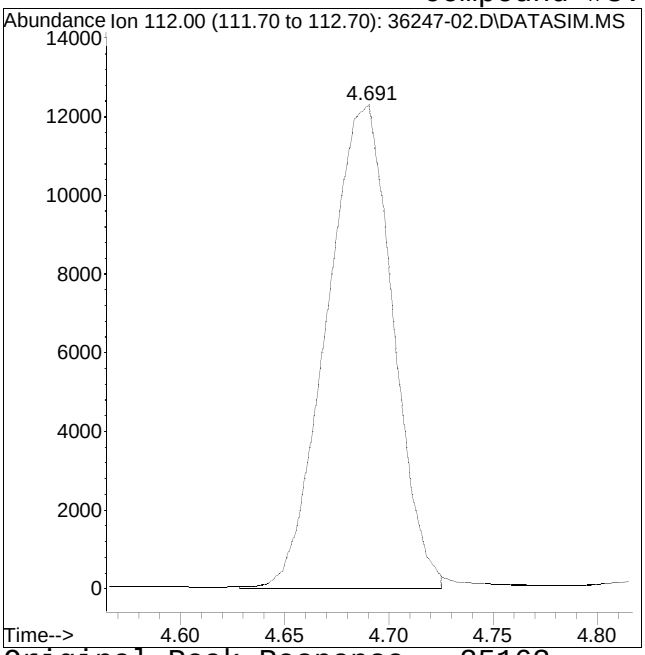


Manual Integration Report

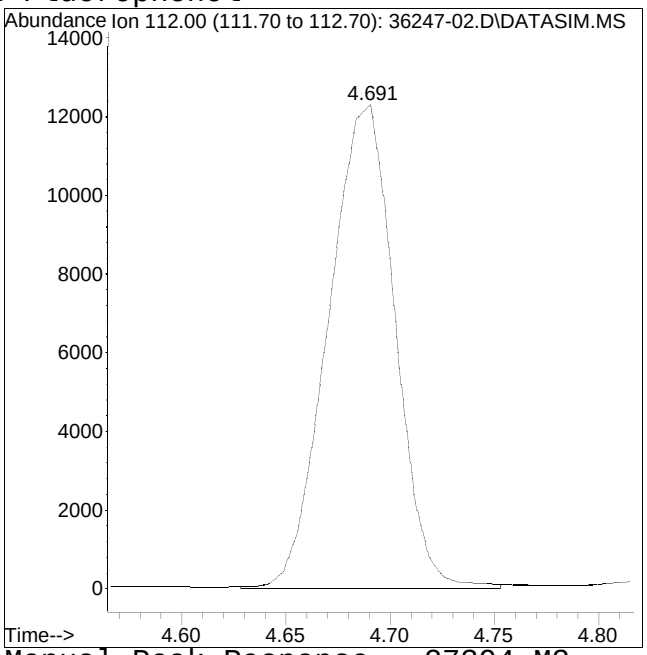
Data Path : I:\8270\SV106\250625RVTsim
Data File : 36247-02.D
Date Inj'd : 6/26/2025 6:08 am
Sample : L2536247-02,32,,dv

Method : SIM-RVT_250311_sv106.M
Operator : SV106:slr
Instrument : SV 106
Quant Date : 6/26/2025 11:02 am

Compound #3: 2-Fluorophenol



Original Peak Response = 25163



Manual Peak Response = 27394 M3

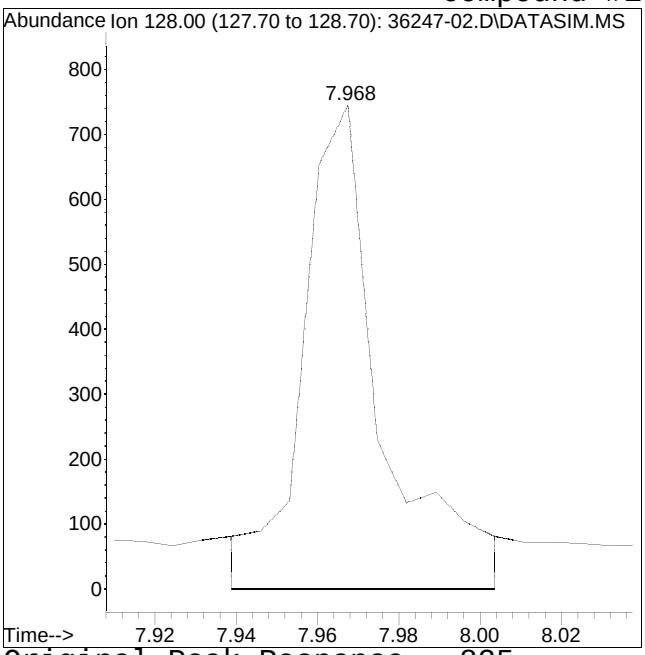
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

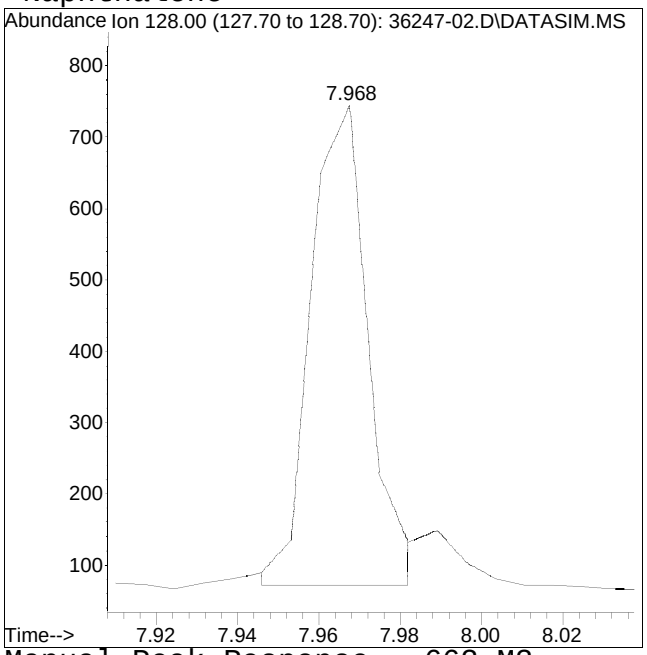
Manual Integration Report

Data Path : I:\8270\SV106\250625RVTsim
Data File : 36247-02.D
Date Inj'd : 6/26/2025 6:08 am
Sample : L2536247-02,32,,dv

QMethod : SIM-RVT_250311_sv106.M
Operator : SV106:slr
Instrument : SV 106
Quant Date : 6/26/2025 11:02 am

Compound #10: Naphthalene





Original Peak Response = 825 Manual Peak Response = 662 M3

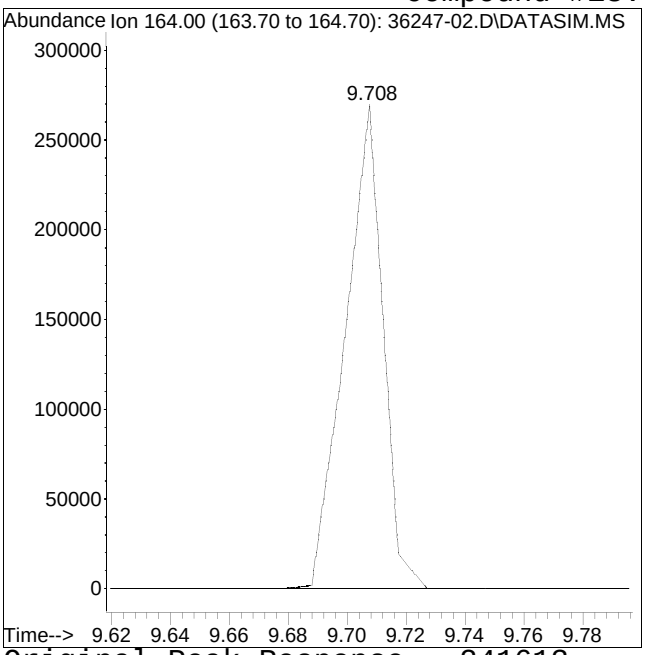
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

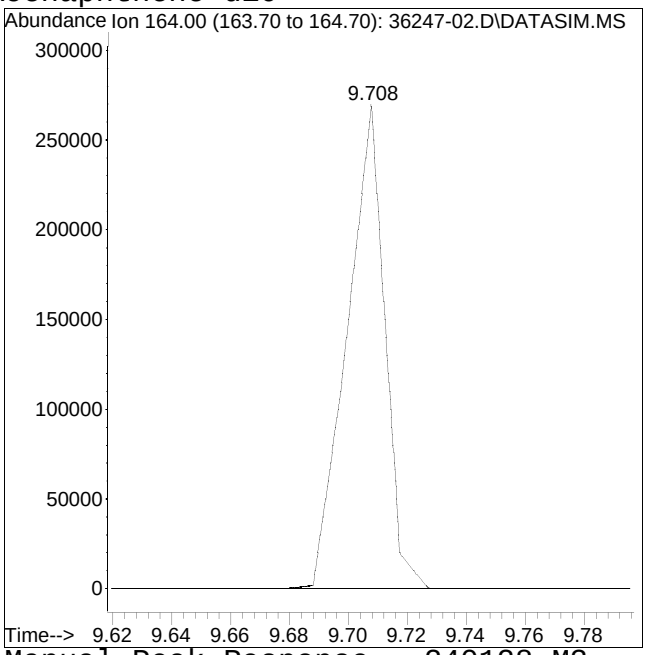
Manual Integration Report

Data Path : I:\8270\SV106\250625RVTsim
Data File : 36247-02.D
Date Inj'd : 6/26/2025 6:08 am
Sample : L2536247-02,32,,dv

Method : SIM-RVT_250311_sv106.M
Operator : SV106:slr
Instrument : SV 106
Quant Date : 6/26/2025 11:02 am

Compound #18: Acenaphthene-d10





Original Peak Response = 241613 Manual Peak Response = 240128 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-14.D
Acq On : 26 Jun 2025 06:17 am
Operator : SV118:slr
Sample : L2536247-14,32,,RV,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 26 10:11:01 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.099	152	605249	4000.000	ng/ml	0.00
Standard Area 1 = 573643			Recovery = 105.51%			
9) Naphthalene-d8	2.763	136	2269305	4000.000	ng/ml	0.00
Standard Area 1 = 2158502			Recovery = 105.13%			
18) Acenaphthene-d10	3.741	164	1215237	4000.000	ng/ml	0.00
Standard Area 1 = 1171418			Recovery = 103.74%			
23) Phenanthrene-d10	4.581	188	2255962	4000.000	ng/ml	0.00
Standard Area 1 = 2213422			Recovery = 101.92%			
33) Chrysene-d12	6.100	240	1994341	4000.000	ng/ml	0.00
Standard Area 1 = 1891454			Recovery = 105.44%			
38) Perylene-d12	7.215	264	2219082M2	4000.000	ng/ml	0.00
Standard Area 1 = 1961557			Recovery = 113.13%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.522	112	177843	960.914	ng/ml	0.02
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.05%			
4) Phenol-d6	1.923	99	154419	696.336	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 34.82%			
8) Nitrobenzene-d5	2.382	82	146669	809.949	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.99%			
14) 2-Fluorobiphenyl	3.364	172	364436	733.394	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.34%			
22) 2,4,6-Tribromophenol	4.188	330	86420	1537.310	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 76.87%			
32) 4-Terphenyl-d14	5.499	244	391910	747.819	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 74.78%			
Target Compounds						Qvalue
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	
26) Pentachlorophenol	0.000		0	N.D.	d	

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-14.D
Acq On : 26 Jun 2025 06:17 am
Operator : SV118:slr
Sample : L2536247-14,32,,RV,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 26 10:11:01 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250625nRVT\ccv0625n.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

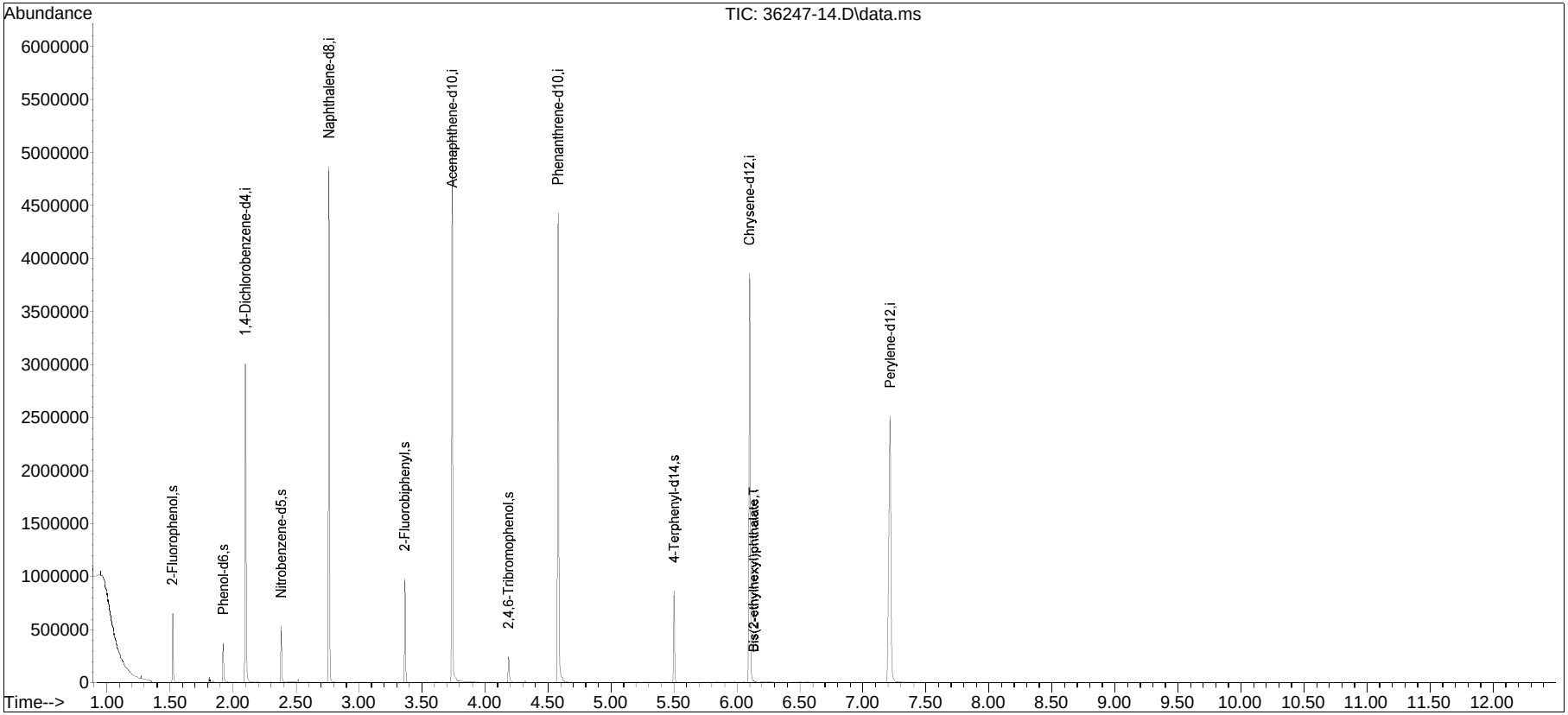
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : 36247-14.D
Acq On : 26 Jun 2025 06:17 am
Operator : SV118:slr
Sample : L2536247-14,32,,RV,dv
Misc : WG2083522,WG2078864,ical21963
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Jun 26 10:11:01 2025
Quant Method : I:\8270sim\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

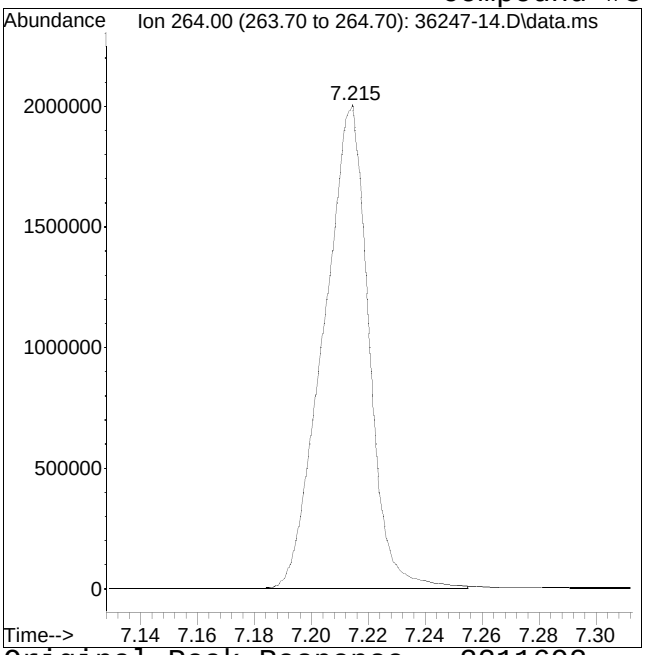
Sub List : DEFAULT - All compounds listedT\ccv0625n.D•

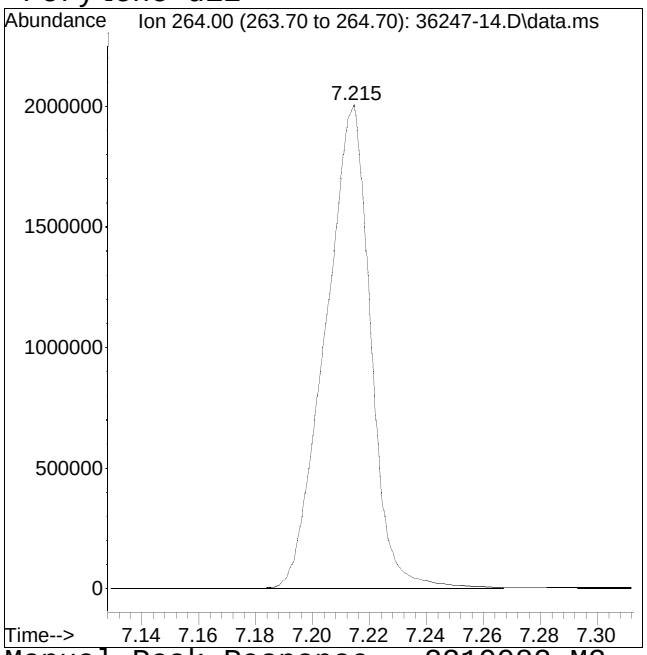


Manual Integration Report

Data Path : I:\8270SIM\SV118\250625nRVQMethod : SIM-RVT_250203sv118.M
Data File : 36247-14.D Operator : SV118:slr
Date Inj'd : 6/26/2025 6:17 am Instrument : SV118
Sample : L2536247-14,32,,RV,dv Quant Date : 6/26/2025 6:30 am

Compound #38: Perylene-d12





Original Peak Response = 2211692 Manual Peak Response = 2219082 M2
M2 = Peak not found by automatic integration algorithm.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21963**
Calibration dates	**: 02/03/25 15:47 02/03/25 18:20**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	s	2-Fluorophenol		1.239	1.204	1.243	1.241	1.289	1.259	1.229	1.173	1.131	1.223	3.88
3)	s	Phenol-d6		1.538	1.428	1.427	1.436	1.495	1.503	1.482	1.446	1.435	1.466	2.72
4)	T	bis(2-Chloroethyl)ether			1.452	1.310	1.318	1.349	1.310	1.269	1.206	1.195	1.301	6.29
5)	T	n-Nitrosodi-n-propylamine		0.803	0.785	0.765	0.784	0.828	0.882	0.885	0.888	0.892	0.835	6.26
6)	t	Hexachloroethane			0.559	0.549	0.537	0.556	0.556	0.546	0.528	0.523	0.544	2.49
7)	s	Nitrobenzene-d5	1.228	1.170	1.104	1.095	1.173	1.220	1.272	1.256	1.232	1.217	1.197	5.04
8)	i	Naphthalene-d8	----------ISTD----------											
9)	t	Naphthalene		1.330	1.169	1.168	1.134	1.162	1.130	1.100	1.042	0.996	1.137	8.24
10)	t	Hexachlorobutadiene				0.210	0.207	0.213	0.208	0.204	0.193	0.190	0.204	4.20
11)	t	2-Methylnaphthalene		0.787	0.701	0.704	0.710	0.730	0.723	0.703	0.665	0.643	0.707	5.74
12)	t	1-Methylnaphthalene		0.789	0.712	0.718	0.728	0.748	0.737	0.711	0.675	0.652	0.719	5.54
13)	s	2-Fluorobiphenyl	0.940	0.997	0.878	0.887	0.891	0.906	0.879	0.841	0.788	0.751	0.876	8.03
14)	t	2-Chloronaphthalene		0.807	0.766	0.757	0.780	0.799	0.787	0.762	0.726	0.703	0.765	4.39
15)	t	2,6-Dinitrotoluene					0.137	0.148	0.178	0.184	0.189	0.186	0.170	12.95
16)	t	Acenaphthylene		1.189	1.093	1.083	1.145	1.212	1.269	1.236	1.188	1.115	1.170	5.54
17)	i	Acenaphthene-d10	----------ISTD----------											
18)	t	Acenaphthene		1.578	1.459	1.432	1.440	1.464	1.429	1.400	1.324	1.289	1.424	5.86
19)	t	2,4-Dinitrotoluene					0.305	0.349	0.437	0.456	0.465	0.456	0.411	16.37
20)	t	Fluorene	1.628	1.690	1.541	1.511	1.554	1.609	1.622	1.576	1.494	1.431	1.566	4.82
21)	s	2,4,6-Tribromophenol			0.145	0.144	0.156	0.181	0.212	0.214	0.214	0.214	0.185	17.53
22)	i	Phenanthrene-d10	----------ISTD----------											
23)	T	4,6-Dinitro-o-cresol					0.052	0.072	0.107	0.117	0.128	0.135	*L	0.9973
24)	t	Hexachlorobenzene		0.290	0.264	0.262	0.268	0.279	0.270	0.262	0.246	0.243	0.265	5.57
25)	t	Pentachlorophenol				0.059	0.063	0.088	0.130	0.141	0.152		*Q	0.9979
26)	t	Phenanthrene	1.301	1.264	1.238	1.198	1.247	1.255	1.227	1.190	1.126	1.066	1.211	5.77
27)	t	Anthracene	1.273	1.263	1.156	1.156	1.189	1.236	1.258	1.223	1.160	1.107	1.202	4.68
28)	t	Fluoranthene	1.511	1.425	1.362	1.286	1.392	1.419	1.448	1.388	1.331	1.231	1.379	5.88
29)	t	Pyrene	1.550	1.470	1.410	1.321	1.447	1.470	1.517	1.456	1.370	1.262	1.427	6.19
30)	s	4-Terphenyl-d14	1.052	0.994	0.932	0.865	0.947	0.960	0.967	0.913	0.868	0.794	0.929	7.91
31)	i	Chrysene-d12	----------ISTD----------											
32)	t	Benzo[a]anthracene			0.534	0.436	0.390	0.392	0.411	0.408	0.403	0.407	0.423	11.16
33)	t	3,3'-Dichlorobenzidine					0.419	0.456	0.550	0.578	0.600	0.604	0.534	14.68
34)	t	Chrysene	1.390	1.357	1.364	1.358	1.421	1.446	1.429	1.385	1.338	1.314	1.380	3.05
35)	T	bis(2-Ethylhexyl)phthalate					0.556	0.603	0.795	0.883	0.958	0.999	*L	0.9974
36)	i	Perylene-d12	----------ISTD----------											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV118**	**Ical Ref**	**: ICAL21963**
Calibration dates	**: 02/03/25 15:47 02/03/25 18:20**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
37) t	Benzo[b]fluoranthene	1.338	1.316	1.277	1.249	1.270	1.349	1.381	1.342	1.317	1.321	1.316	3.06
38) t	Benzo[k]fluoranthene	1.173	1.259	1.124	1.188	1.219	1.299	1.367	1.346	1.282	1.266	1.252	6.13
39) t	Benzo[a]pyrene	1.037	1.021	0.982	1.006	1.029	1.103	1.191	1.200	1.187	1.195	1.095	8.21
40) t	Indeno[1,2,3-cd]pyrene		0.884	0.863	0.888	0.902	0.951	1.005	1.060	1.074	1.111	0.971	9.69
41) t	Dibenzo[a,h]anthracene	0.886	0.835	0.786	0.834	0.875	0.960	1.026	1.058	1.046	1.066	0.937	11.36
42) t	Benzo[g,h,i]perylene		0.942	0.922	0.936	0.985	1.052	1.079	1.110	1.092	1.115	1.026	7.75

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22184**
Calibration dates	**: 03/11/25 18:01 03/11/25 21:55**		

Calibration Files
L1 =SIML1.D L2 =SIML2.D L3 =SIML3.D L4 =SIML4.D L5 =SIML5.D L6 =SIML6.D L7 =SIML7.D
L8 =SIML8.D L9 =SIML9.D L10 =SIML10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	T	N-Nitrosodimethylamine			0.513	0.604	0.615	0.783	0.774	0.705	0.640	0.683	0.665	13.65
3)	s	2-Fluorophenol			0.802	0.925	0.894	1.154	1.180	1.102	0.987	1.083	1.016	13.30
4)	s	Phenol-d6		1.166	1.102	1.072	1.069	1.361	1.389	1.286	1.156	1.261	1.207	10.09
5)	T	Bis(2-chloroethyl)ether		1.166	1.177	1.055	1.051	1.262	1.257	1.188	1.017	1.100	1.141	7.87
6)	T	Hexachloroethane		0.569	0.578	0.553	0.478	0.564	0.567	0.520	0.458	0.496	0.531	8.45
7)	T	n-nitrosodi-n-propylamine		0.868	0.781	0.750	0.684	0.900	0.876	0.813	0.740	0.815	0.803	8.87
8)	s	Nitrobenzene-d5		0.976	0.909	0.835	0.813	1.041	1.099	1.036	0.954	1.069	0.970	10.48
9)	i	Naphthalene-d8	ISTD											
10)	t	Naphthalene		1.164	1.168	1.116	1.003	1.251	1.192	1.098	0.959	1.026	1.109	8.69
11)	t	Hexachlorobutadiene		0.260	0.228	0.228	0.223	0.264	0.258	0.234	0.207	0.221	0.236	8.59
12)	t	2-Methylnaphthalene		0.735	0.623	0.619	0.598	0.753	0.721	0.654	0.584	0.632	0.658	9.53
13)	t	1-Methylnaphthalene		0.712	0.638	0.638	0.625	0.802	0.765	0.696	0.616	0.661	0.684	9.56
14)	s	2-Fluorobiphenyl	0.893	0.865	0.847	0.815	0.802	1.102	1.033	0.936	0.834	0.890	0.902	10.79
15)	t	2-Chloronaphthalene		0.850	0.761	0.695	0.706	0.922	0.872	0.791	0.700	0.753	0.783	10.46
16)	T	Acenaphthylene		1.126	1.054	1.022	1.027	1.381	1.348	1.247	1.140	1.222	1.174	11.39
17)	t	2,6-Dinitrotoluene				0.122	0.104	0.133	0.142	0.141	0.144	0.174	0.137	15.86
18)	i	Acenaphthene-d10	ISTD											
19)	t	Acenaphthene	1.620	1.290	1.229	1.225	1.178	1.583	1.426	1.291	1.126	1.195	1.316	12.99
20)	t	2,4-Dinitrotoluene					0.192	0.260	0.274	0.274	0.283	0.343	0.271	17.89
21)	t	Fluorene	1.787	1.571	1.340	1.306	1.251	1.732	1.597	1.452	1.301	1.372	1.471	12.92
22)	s	2,4,6-Tribromophenol			0.207	0.170	0.154	0.214	0.222	0.208	0.196	0.217	0.198	12.17
23)	i	Phenanthrene-d10	ISTD											
24)	T	4,6-Dinitro-o-cresol					0.037	0.065	0.071	0.072	0.074	0.091	*Q	0.99
91)														
25)	t	Hexachlorobenzene		0.277	0.272	0.253	0.230	0.324	0.290	0.260	0.227	0.243	0.264	11.66
26)	t	Pentachlorophenol				0.219	0.101	0.111	0.114	0.114	0.112	0.136	*Q	0.99
87)														
27)	t	Phenanthrene		1.302	1.225	1.099	1.013	1.452	1.282	1.161	1.005	1.085	1.180	12.57
28)	t	Anthracene		1.173	1.067	0.990	0.938	1.308	1.201	1.117	0.990	1.077	1.096	10.74
29)	t	Fluoranthene		1.461	1.311	1.172	1.127	1.496	1.397	1.301	1.166	1.290	1.302	10.10
30)	T	Benzidine			1.046	0.758	0.540	0.153	0.533	0.576	0.610	0.738	*Q	0.99
64)														
31)	T	Pyrene		1.621	1.395	1.228	1.159	1.568	1.493	1.395	1.240	1.341	1.382	11.42
32)	s	4-Terphenyl-d14		1.220	1.081	0.877	0.804	1.132	1.051	0.967	0.872	0.940	0.994	13.73
33)	i	Chrysene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV106**	**Ical Ref**	**: ICAL22184**
Calibration dates	**: 03/11/25 18:01 03/11/25 21:55**		

Calibration Files
L1 =SIML1.D L2 =SIML2.D L3 =SIML3.D L4 =SIML4.D L5 =SIML5.D L6 =SIML6.D L7 =SIML7.D
L8 =SIML8.D L9 =SIML9.D L10 =SIML10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
34)	t	Benzo[a]anthracene	1.307	0.890	0.590	0.463	0.349	0.441	0.428	0.393	0.348	0.385	*L	0.99
67)														
35)	t	3,3'-Dichlorobenzidine			0.479	0.417	0.366	0.455	0.468	0.461	0.457	0.536	0.455	10.70
36)	t	Chrysene		1.449	1.496	1.314	1.244	1.664	1.505	1.366	1.176	1.261	1.386	11.20
37)	T	Bis(2-ethylhexyl)phtha...					0.433	0.552	0.566	0.561	0.593	0.730	*Q	0.99
93)														
38)	i	Perylene-d12	----------ISTD----------											
39)	t	Benzo[b]fluoranthene		1.018	1.222	1.058	0.999	1.390	1.304	1.174	1.046	1.155	1.152	11.76
40)	t	Benzo[k]fluoranthene		0.908	0.858	0.725	0.762	1.146	1.196	1.124	1.061	1.174	0.995	18.47
41)	t	Benzo[a]pyrene		0.780	0.823	0.760	0.756	1.099	1.094	1.037	0.972	1.080	0.933	16.26
42)	t	Indeno[1,2,3-cd]pyrene		1.210	0.993	0.863	0.809	1.211	1.141	1.092	0.965	1.111	1.044	13.91
43)	t	Dibenzo[a,h]anthracene		0.739	0.881	0.784	0.773	1.133	1.134	1.086	0.949	1.075	0.950	17.02
44)	t	Benzo[g,h,i]perylene		1.117	1.089	0.931	0.883	1.237	1.147	1.081	0.956	1.076	1.057	10.70

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL22394**
Calibration dates	**: 06/18/25 18:34 06/18/25 21:03**		

Calibration Files
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L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	T	N-Nitrosodimethylamine					0.731	0.667	0.666	0.646	0.648	0.611	0.662	5.99
3)	s	2-Fluorophenol	1.153	1.157	1.129	1.147	1.142	1.150	1.118	1.086	1.029	1.123		3.72
4)	s	Phenol-d6	1.777	1.380	1.545	1.400	1.406	1.433	1.400	1.415	1.371	1.459		8.91
5)	T	Bis(2-chloroethyl)ether				1.231	1.169	1.180	1.210	1.170	1.159	1.120	1.177	3.06
6)	T	n-nitrosodi-n-propylamine			0.894	0.866	0.864	0.860	0.908	0.875	0.915	0.897	0.885	2.39
7)	t	Hexachloroethane			0.521	0.574	0.535	0.529	0.542	0.524	0.521	0.502	0.531	3.95
8)	s	Nitrobenzene-d5	1.250	1.207	1.198	1.191	1.185	1.228	1.188	1.213	1.170	1.203		2.03
9)	i	Naphthalene-d8	ISTD											
10)	t	Naphthalene	1.136	1.119	1.071	1.044	1.030	1.049	1.019	1.006	0.957	1.048		5.29
11)	t	Hexachlorobutadiene	0.231	0.219	0.205	0.208	0.206	0.208	0.203	0.198	0.189	0.208		5.83
12)	t	2-Methylnaphthalene	0.803	0.724	0.690	0.690	0.682	0.701	0.670	0.666	0.628	0.695		6.95
13)	t	1-Methylnaphthalene	0.777	0.750	0.733	0.719	0.717	0.736	0.697	0.689	0.648	0.718		5.20
14)	s	2-Fluorobiphenyl	0.942	0.951	0.946	0.933	0.928	0.940	0.877	0.843	0.785	0.905		6.40
15)	t	2-Chloronaphthalene	0.795	0.791	0.796	0.798	0.790	0.803	0.762	0.758	0.721	0.779		3.49
16)	t	2,6-Dinitrotoluene					0.147	0.141	0.157	0.157	0.176	0.173	0.159	8.84
17)	t	Acenaphthylene	1.363	1.331	1.292	1.285	1.301	1.292	1.349	1.279	1.270	1.193	1.296	3.66
18)	i	Acenaphthene-d10	ISTD											
19)	t	Acenaphthene	1.428	1.360	1.324	1.329	1.322	1.318	1.351	1.310	1.305	1.240	1.329	3.57
20)	t	2,4-Dinitrotoluene					0.303	0.304	0.347	0.360	0.401	0.402	0.353	12.47
21)	t	Fluorene	1.671	1.627	1.617	1.603	1.594	1.574	1.646	1.576	1.551	1.437	1.589	4.05
22)	s	2,4,6-Tribromophenol			0.201	0.203	0.190	0.190	0.205	0.202	0.210	0.205	0.201	3.53
23)	i	Phenanthrene-d10	ISTD											
24)	T	4,6-Dinitro-o-cresol					0.073	0.071	0.084	0.085	0.095	0.099	*Q	0.99
95)														
25)	t	Hexachlorobenzene		0.261	0.251	0.251	0.251	0.251	0.254	0.243	0.240	0.226	0.248	4.02
26)	t	Pentachlorophenol				0.173	0.122	0.113	0.105	0.109	0.128	0.143	*Q	0.99
96)														
27)	t	Phenanthrene	1.432	1.308	1.211	1.184	1.157	1.140	1.171	1.125	1.113	1.046	1.189	9.21
28)	t	Anthracene	1.184	1.185	1.172	1.170	1.158	1.143	1.196	1.157	1.150	1.082	1.160	2.77
29)	t	Fluoranthene	1.572	1.482	1.438	1.458	1.426	1.416	1.459	1.405	1.357		1.446	4.13
30)	t	Pyrene	1.605	1.535	1.513	1.500	1.484	1.460	1.513	1.444	1.372		1.492	4.33
31)	T	Benzidine							0.411	0.618	0.779	0.805	*L	0.99
98)														
32)	s	4-Terphenyl-d14			0.929	0.954	0.941	0.923	0.940	0.894	0.840	0.774	0.899	6.90
33)	i	Chrysene-d12	ISTD											

Initial Calibration Summary
Form 6
Semivolatiles

Client	**: P. W. Grosser**	**Lab Number**	**: L2536247**
Project Name	**: ROANOKE SAND AND GRAVEL**	**Project Number**	**: BSD1504**
Instrument ID	**: SV119**	**Ical Ref**	**: ICAL22394**
Calibration dates	**: 06/18/25 18:34 06/18/25 21:03**		

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
34) 96)	t	Benzo[a]anthracene			3.637	2.454	1.594	1.438	1.460	1.421	1.439	1.378	*L	0.99
35)	t	3,3'-Dichlorobenzidine					0.400	0.435	0.543	0.557	0.605	0.593	0.522	16.27
36)	t	Chrysene			1.228	1.330	1.305	1.314	1.384	1.330	1.344	1.284	1.315	3.48
37) 68)	T	Bis(2-ethylhexyl)phtha...					0.491	0.511	0.637	0.698	0.804	0.802	*L	0.99
38)	i	Perylene-d12	----------ISTD----------											
39)	t	Benzo[b]fluoranthene			0.997	1.066	1.118	1.188	1.356	1.314	1.330	1.275	1.206	11.10
40)	t	Benzo[k]fluoranthene			1.059	1.170	1.237	1.290	1.417	1.384	1.368	1.260	1.273	9.40
41)	t	Benzo[a]pyrene			0.873	0.943	1.006	1.059	1.220	1.218	1.255	1.201	1.097	13.32
42) 66)	t	Indeno[1,2,3-cd]pyrene			0.629	0.698	0.756	0.849	1.060	1.124	1.189		*L	0.99
43) 76)	t	Dibenzo[a,h]anthracene			0.533	0.582	0.688	0.812	1.066	1.081	1.122		*L	0.99
44) 87)	t	Benzo[g,h,i]perylene			0.707	0.808	0.886	0.968	1.137	1.160	1.200		*L	0.99

Response Factor Report SV118

Method Path : I:\8270SIM\SV118\250203RVTical\
Method File : SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Feb 10 09:31:08 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

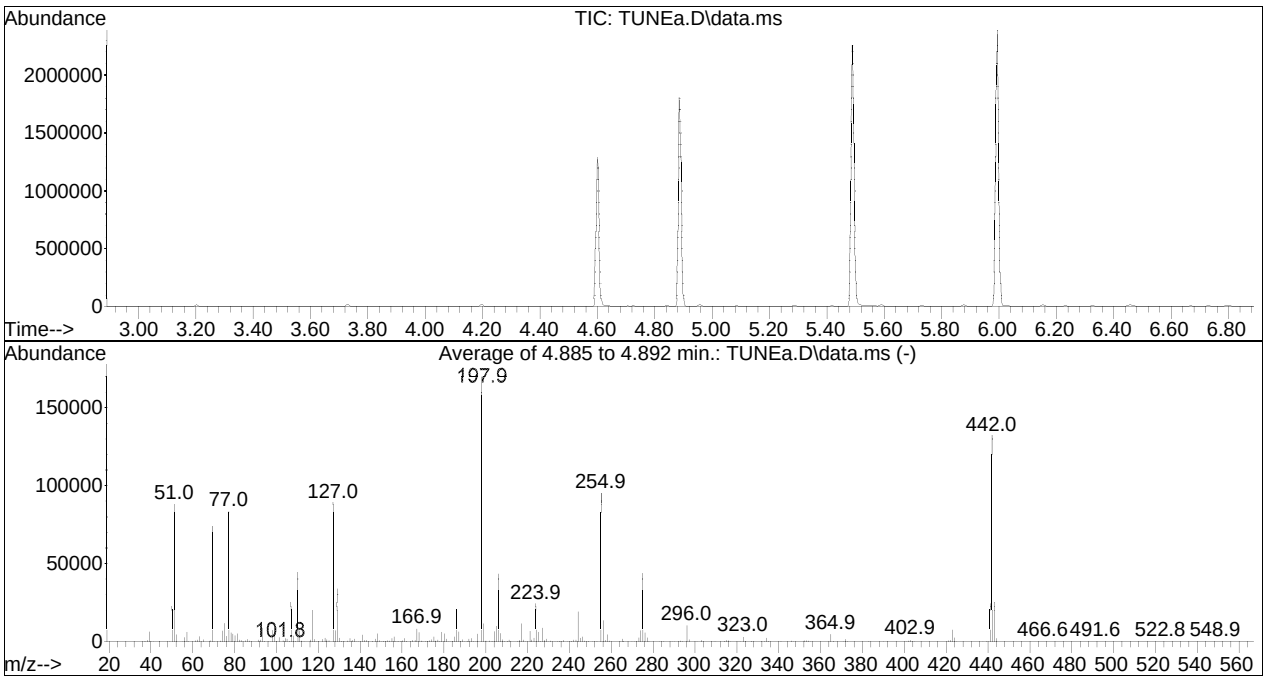
		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	ISTD											
2)	s	2-Fluorophenol	1.239	1.204	1.243	1.241	1.289	1.259	1.229	1.173	1.131	1.223		3.88
3)	s	Phenol-d6	1.538	1.428	1.427	1.436	1.495	1.503	1.482	1.446	1.435	1.466		2.72
4)	T	bis(2-Chloroethyl)ether		1.452	1.310	1.318	1.349	1.310	1.269	1.206	1.195	1.301		6.29
5)	T	n-Nitrosodi-n-propylamine	0.803	0.785	0.765	0.784	0.828	0.882	0.885	0.888	0.892	0.835		6.26
6)	t	Hexachloroethane		0.559	0.549	0.537	0.556	0.556	0.546	0.528	0.523	0.544		2.49
7)	s	Nitrobenzene-d5	1.228	1.170	1.104	1.095	1.173	1.220	1.272	1.256	1.232	1.217	1.197	5.04
8)	i	Naphthalene-d8	ISTD											
9)	t	Naphthalene	1.330	1.169	1.168	1.134	1.162	1.130	1.100	1.042	0.996	1.137		8.24
10)	t	Hexachlorobutadiene			0.210	0.207	0.213	0.208	0.204	0.193	0.190	0.204		4.20
11)	t	2-Methylnaphthalene	0.787	0.701	0.704	0.710	0.730	0.723	0.703	0.665	0.643	0.707		5.74
12)	t	1-Methylnaphthalene	0.789	0.712	0.718	0.728	0.748	0.737	0.711	0.675	0.652	0.719		5.54
13)	s	2-Fluorobiphenyl	0.940	0.997	0.878	0.887	0.891	0.906	0.879	0.841	0.788	0.751	0.876	8.03
14)	t	2-Chloronaphthalene	0.807	0.766	0.757	0.780	0.799	0.787	0.762	0.726	0.703	0.765		4.39
15)	t	2,6-Dinitrotoluene				0.137	0.148	0.178	0.184	0.189	0.186	0.170		12.95
16)	t	Acenaphthylene	1.189	1.093	1.083	1.145	1.212	1.269	1.236	1.188	1.115	1.170		5.54
17)	i	Acenaphthene-d10	ISTD											
18)	t	Acenaphthene	1.578	1.459	1.432	1.440	1.464	1.429	1.400	1.324	1.289	1.424		5.86
19)	t	2,4-Dinitrotoluene				0.305	0.349	0.437	0.456	0.465	0.456	0.411		16.37
20)	t	Fluorene	1.628	1.690	1.541	1.511	1.554	1.609	1.622	1.576	1.494	1.431	1.566	4.82
21)	s	2,4,6-Tribromophenol			0.145	0.144	0.156	0.181	0.212	0.214	0.214	0.214	0.185	17.53
22)	i	Phenanthrene-d10	ISTD											
23)	T	4,6-Dinitro-o-cresol					0.052	0.072	0.107	0.117	0.128	0.135	*L	0.9973
24)	t	Hexachlorobenzene		0.290	0.264	0.262	0.268	0.279	0.270	0.262	0.246	0.243	0.265	5.57
25)	t	Pentachlorophenol				0.059	0.063	0.088	0.130	0.141	0.152		*Q	0.9979
26)	t	Phenanthrene	1.301	1.264	1.238	1.198	1.247	1.255	1.227	1.190	1.126	1.066	1.211	5.77
27)	t	Anthracene	1.273	1.263	1.156	1.156	1.189	1.236	1.258	1.223	1.160	1.107	1.202	4.68
28)	t	Fluoranthene	1.511	1.425	1.362	1.286	1.392	1.419	1.448	1.388	1.331	1.231	1.379	5.88
29)	t	Pyrene	1.550	1.470	1.410	1.321	1.447	1.470	1.517	1.456	1.370	1.262	1.427	6.19
30)	s	4-Terphenyl-d14	1.052	0.994	0.932	0.865	0.947	0.960	0.967	0.913	0.868	0.794	0.929	7.91
31)	i	Chrysene-d12	ISTD											
32)	t	Benzo[a]anthracene			0.534	0.436	0.390	0.392	0.411	0.408	0.403	0.407	0.423	11.16
33)	t	3,3'-Dichlorobenzidine					0.419	0.456	0.550	0.578	0.600	0.604	0.534	14.68
34)	t	Chrysene	1.390	1.357	1.364	1.358	1.421	1.446	1.429	1.385	1.338	1.314	1.380	3.05
35)	T	bis(2-Ethylhexyl)phthalate					0.556	0.603	0.795	0.883	0.958	0.999	*L	0.9974
36)	i	Perylene-d12	ISTD											
37)	t	Benzo[b]fluora...	1.338	1.316	1.277	1.249	1.270	1.349	1.381	1.342	1.317	1.321	1.316	3.06
38)	t	Benzo[k]fluora...	1.173	1.259	1.124	1.188	1.219	1.299	1.367	1.346	1.282	1.266	1.252	6.13
39)	t	Benzo[a]pyrene	1.037	1.021	0.982	1.006	1.029	1.103	1.191	1.200	1.187	1.195	1.095	8.21
40)	t	Indeno[1,2,3-c...		0.884	0.863	0.888	0.902	0.951	1.005	1.060	1.074	1.111	0.971	9.69
41)	t	Dibenzo[a,h]anthracene	0.886	0.835	0.786	0.834	0.875	0.960	1.026	1.058	1.046	1.066	0.937	11.36
42)	t	Benzo[g,h,i]pe...		0.942	0.922	0.936	0.985	1.052	1.079	1.110	1.092	1.115	1.026	7.75

(#) = Out of Range

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Feb 07 14:32:24 2025



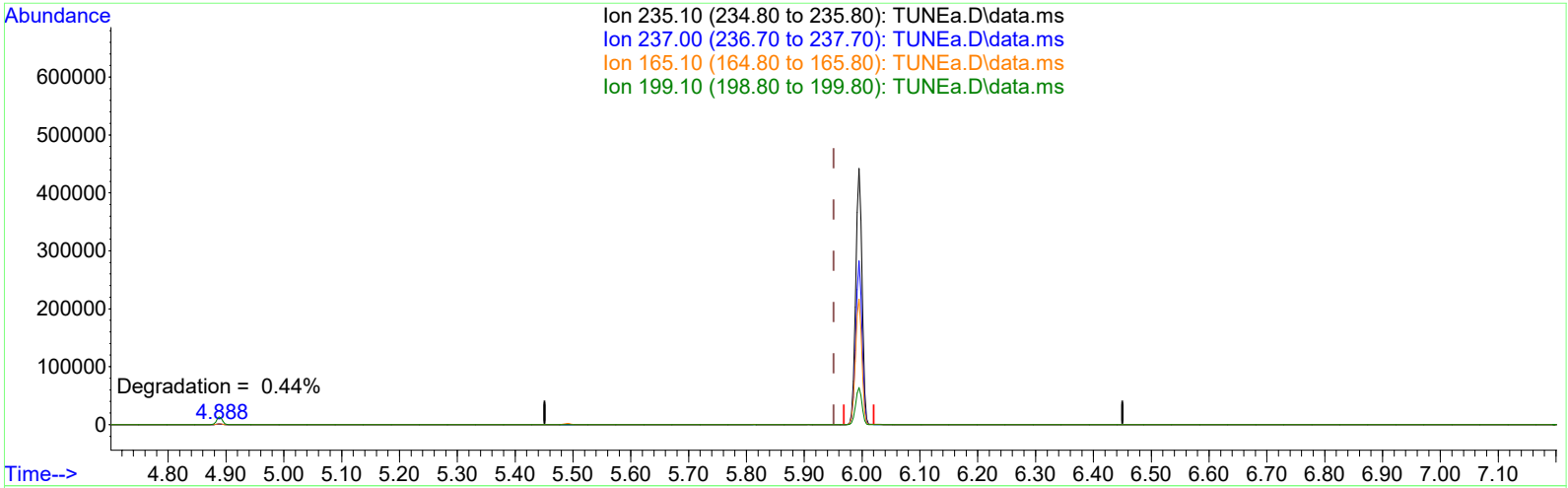
Spectrum Information: Average of 4.885 to 4.892 min.

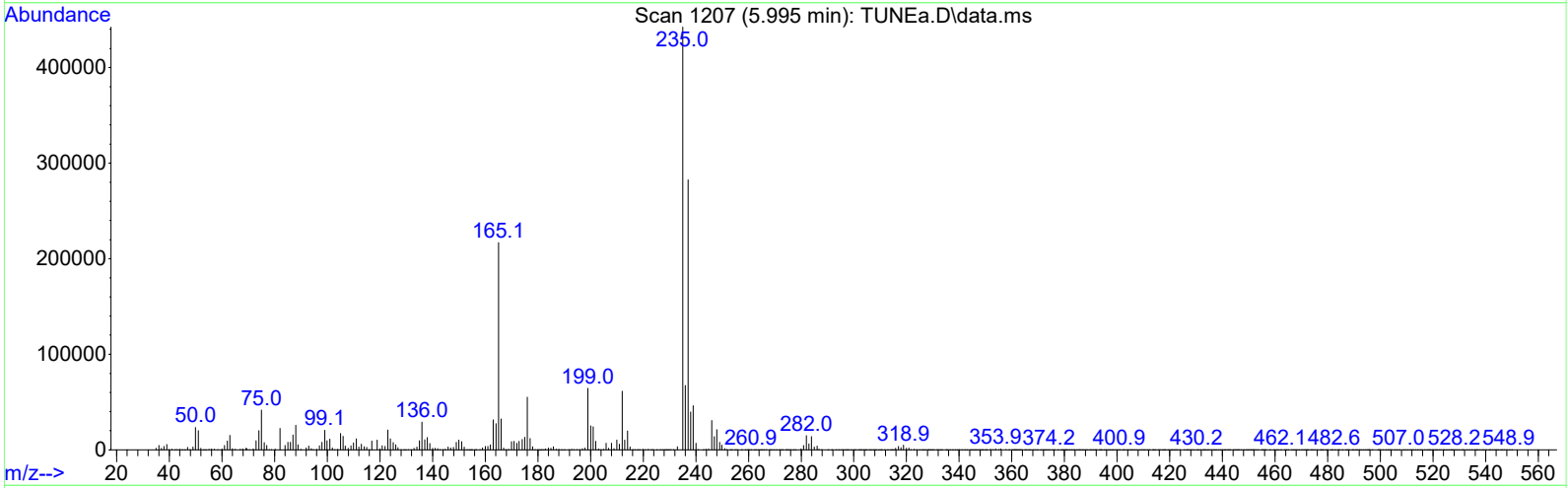
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.0	88032	PASS
68	69	0.00	2	1.4	1027	PASS
69	69	100	100	100.0	73990	PASS
70	69	0.00	2	0.6	413	PASS
127	198	10	80	52.5	88923	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	169344	PASS
199	198	5	9	6.8	11569	PASS
275	198	10	60	25.7	43466	PASS
365	198	1	100	2.9	4903	PASS
441	442	0.01	24	18.2	24057	PASS
442	198	50	100	78.0	132025	PASS
443	442	15	24	18.8	24854	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Feb 03 15:42:23 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:46:03 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(6) ddt (T)

5.995min (+ 0.044) 54.43

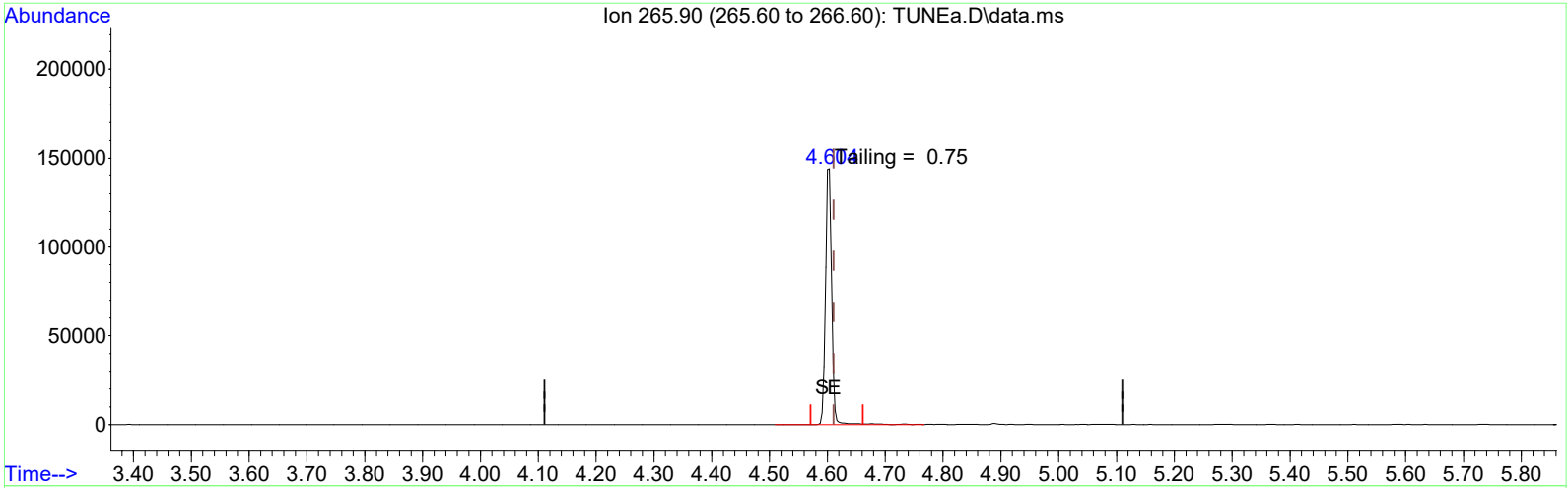
response 331812

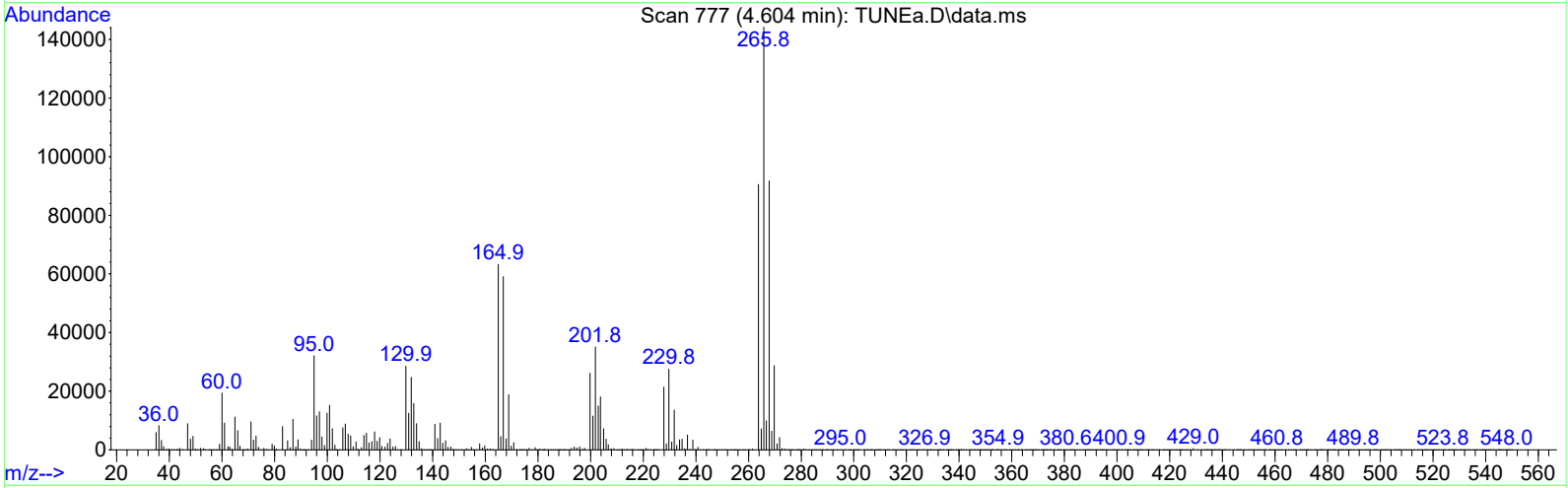
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.48
165.10	53.30	49.34
199.10	17.10	14.51

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Feb 03 15:42:23 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:46:03 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(1) pentachlorophenol (T)

4.604min (-0.007) 51.67

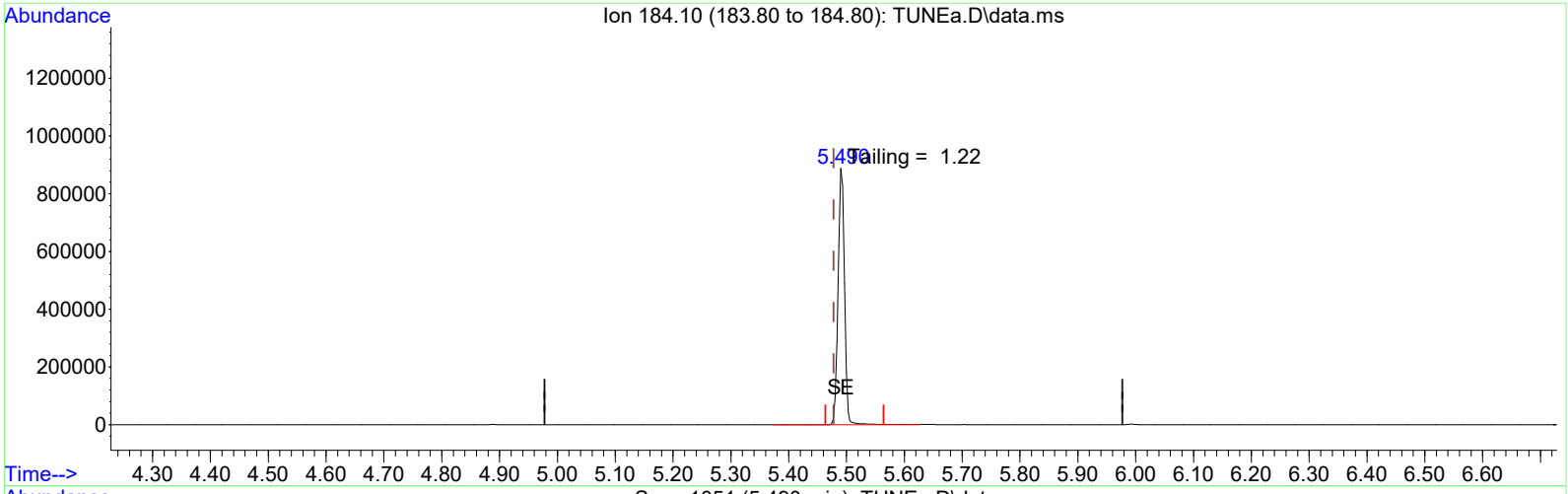
response 108526

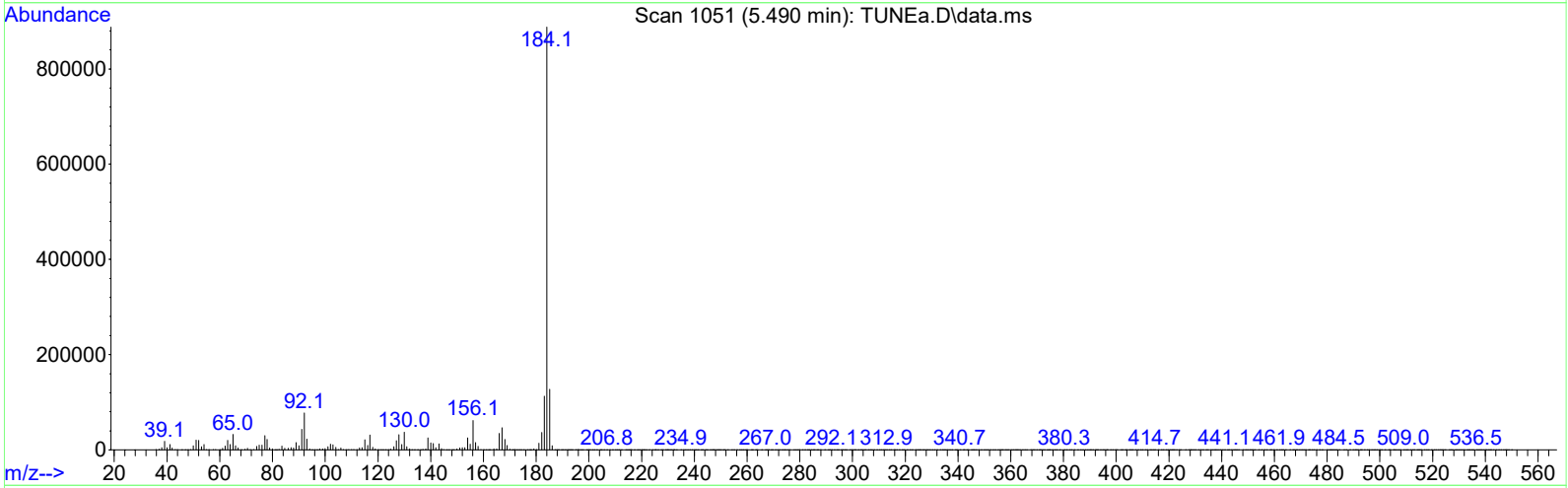
Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : TUNEa.D
Acq On : 03 Feb 2025 03:28 pm
Operator : SV118:rp
Sample : TUNE
Misc : WG2028184,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Feb 03 15:42:23 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jan 31 09:46:03 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





CHROMtools™ [TUNE]

(3) benzidine (T)

5.490min (+ 0.012) 67.04

response 682518

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L10.D
Acq On : 03 Feb 2025 03:47 pm
Operator : SV118:rp
Sample : IL10,32,, #11278 5000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 14:31:04 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.194	152	452197	4000.000	ng/ml	-0.01
Standard Area 1 = 474552			Recovery = 95.29%			
8) Naphthalene-d8	2.860	136	1708889	4000.000	ng/ml	-0.03
Standard Area 1 = 1755733			Recovery = 97.33%			
17) Acenaphthene-d10	3.841	164	959890	4000.000	ng/ml	-0.04
Standard Area 1 = 985911			Recovery = 97.36%			
22) Phenanthrene-d10	4.685	188	1893106	4000.000	ng/ml	-0.04
Standard Area 1 = 1968639			Recovery = 96.16%			
31) Chrysene-d12	6.255	240	1694132	4000.000	ng/ml	-0.02
Standard Area 1 = 1866106			Recovery = 90.78%			
36) Perylene-d12	7.468	264	1693455M4	4000.000	ng/ml	-0.04
Standard Area 1 = 1827508			Recovery = 92.66%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.614	112	639284	4623.256	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 231.16%#			
3) Phenol-d6	2.009	99	811214	4896.212	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 244.81%#			
7) Nitrobenzene-d5	2.478	82	687968	5085.038	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 508.50%#			
13) 2-Fluorobiphenyl	3.461	172	1604831	4288.736	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery = 428.87%#			
21) 2,4,6-Tribromophenol	4.290	330	256213	5770.160	ng/ml	-0.04
Spiked Amount 2000.000	Range 15 - 110		Recovery = 288.51%#			
30) 4-Terphenyl-d14	5.614	244	1877732	4269.731	ng/ml	-0.03
Spiked Amount 1000.000	Range 30 - 130		Recovery = 426.97%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.063	93	675718	4593.251	ng/ml	100
5) n-nitrosodi-n-propylamine	2.404	70	504114	5343.512	ng/ml	99
6) Hexachloroethane	2.453	117	295748	4806.130	ng/ml	100
9) Naphthalene	2.871	128	2127755	4381.902	ng/ml	99
10) Hexachlorobutadiene	2.943	225	406590	4676.161	ng/ml	100
11) 2-Methylnaphthalene	3.252	142	1372563	4542.803	ng/ml	99
12) 1-Methylnaphthalene	3.307	142	1392381	4534.462	ng/ml	99
14) 2-Chloronaphthalene	3.524	162	1502213	4595.234	ng/ml	99
15) 2,6-Dinitrotoluene	3.725	165	397823	5461.950	ng/ml	98
16) Acenaphthylene	3.758	152	2382002	4765.250	ng/ml	98
18) Acenaphthene	3.860	153	1546680	4526.279	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L10.D
Acq On : 03 Feb 2025 03:47 pm
Operator : SV118:rp
Sample : IL10,32,, #11278 5000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 14:31:04 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.954	165	547074	5545.033	ng/ml	98
20) Fluorene	4.151	166	1717061	4570.298	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.189	198	318883	5162.455	ng/ml	99
24) Hexachlorobenzene	4.472	284	574779	4584.263	ng/ml	98
25) Pentachlorophenol	4.583	266	379430	4565.100	ng/ml	100
26) Phenanthrene	4.699	178	2522705	4395.127	ng/ml	98
27) Anthracene	4.729	178	2620420	4606.134	ng/ml	98
28) Fluoranthene	5.385	202	2913960	4464.170	ng/ml	98
29) Pyrene	5.516	202	2986325	4420.526	ng/ml	98
32) Benzo[a]anthracene	6.247	226	862415	4817.827	ng/ml#	95
33) 3,3'-Dichlorobenzidine	6.237	252	1279887	5655.686	ng/ml	99
34) Chrysene	6.275	228	2782067	4759.864	ng/ml#	98
35) Bis(2-ethylhexyl)phtha...	6.284	149	2116516	5149.319	ng/ml	98
37) Benzo[b]fluoranthene	7.096	252	2796699	5015.226	ng/ml	99
38) Benzo[k]fluoranthene	7.125	252	2679131M6	5057.114	ng/ml	
39) Benzo[a]pyrene	7.406	252	2529301	5450.456	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.699	276	2352804	5718.907	ng/ml	99
41) Dibenzo[a,h]anthracene	8.738	278	2256830M6	5677.930	ng/ml	
42) Benzo[g,h,i]perylene	9.043	276	2360973M6	5430.963	ng/ml	

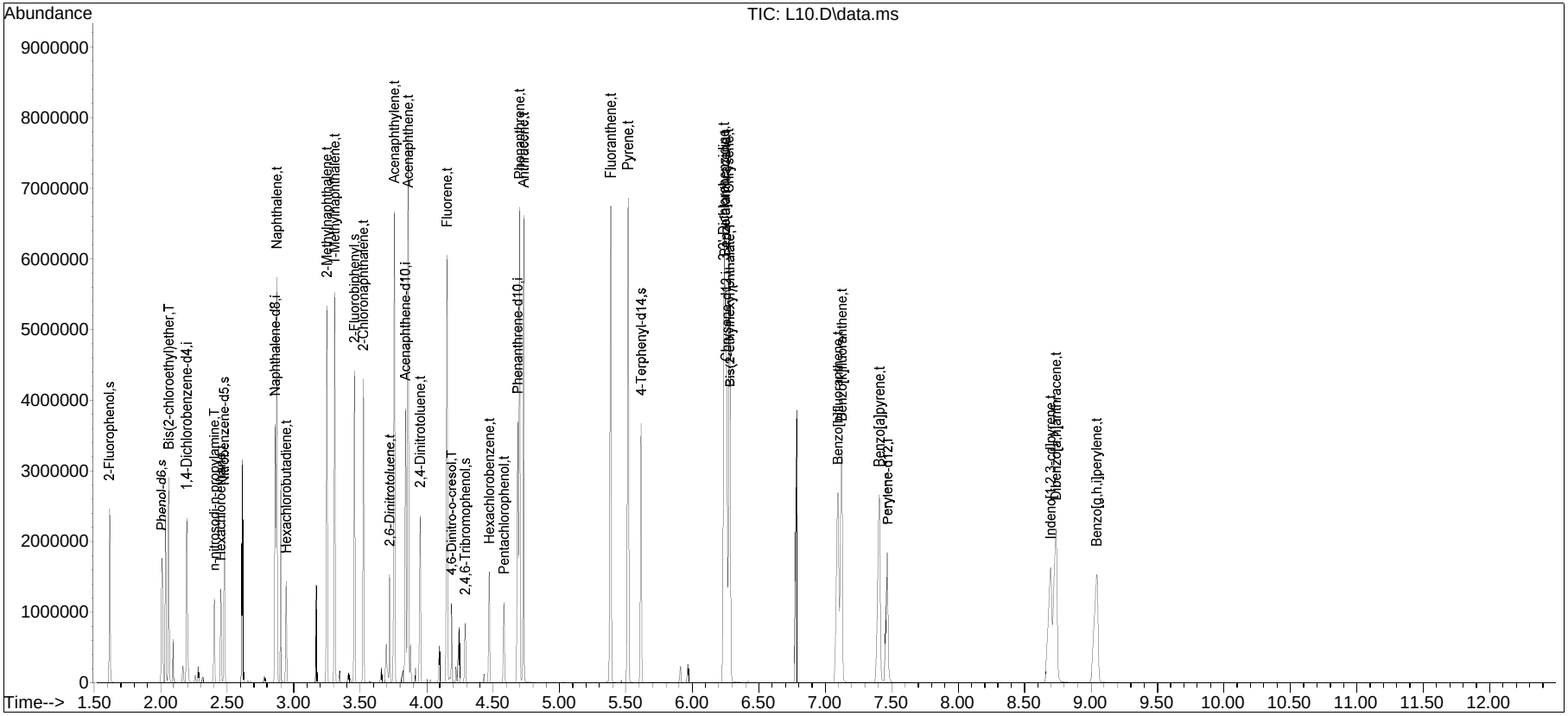
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L10.D
Acq On : 03 Feb 2025 03:47 pm
Operator : SV118:rp
Sample : IL10,32,, #11278 5000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 07 14:31:04 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:43 2025
Response via : Initial Calibration

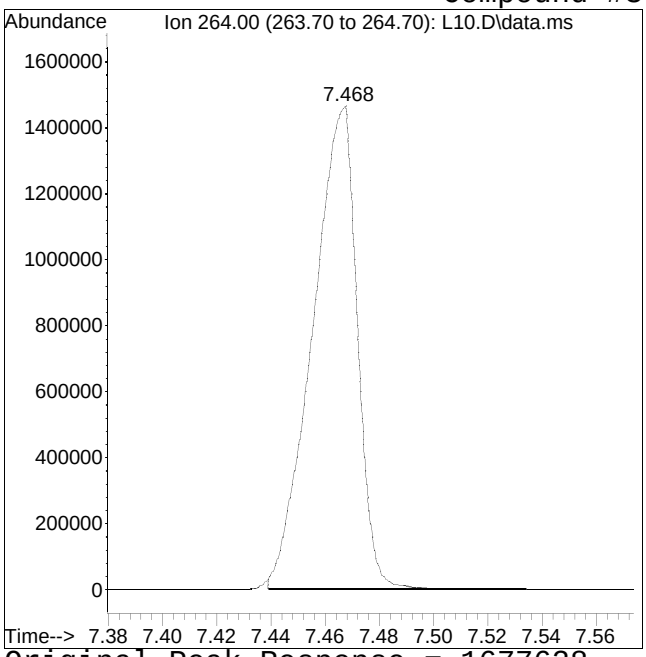
Sub List : Default - All compounds listedical\L8.D•



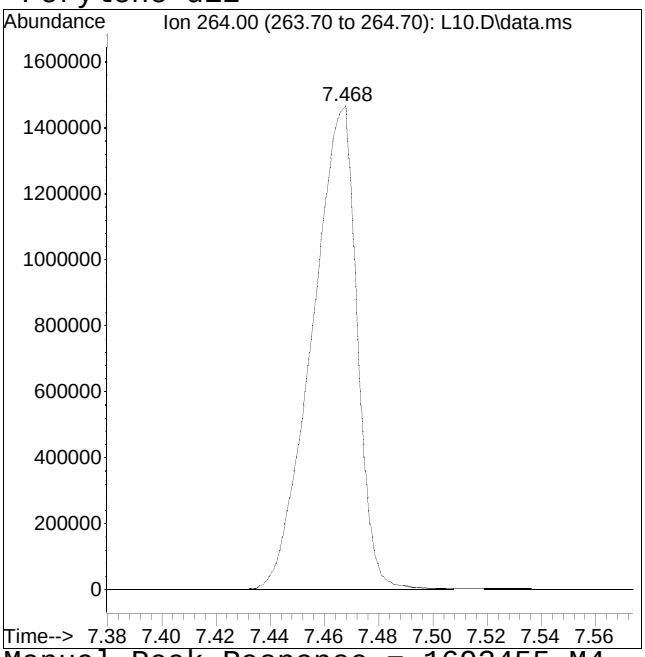
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L10.D Operator : SV118:rp
Date Inj'd : 2/3/2025 3:47 pm Instrument : SV118
Sample : IL10,32,, #11278 5000 ng/mQuant Date : 2/4/2025 10:15 am

Compound #36: Perylene-d12



Original Peak Response = 1677628



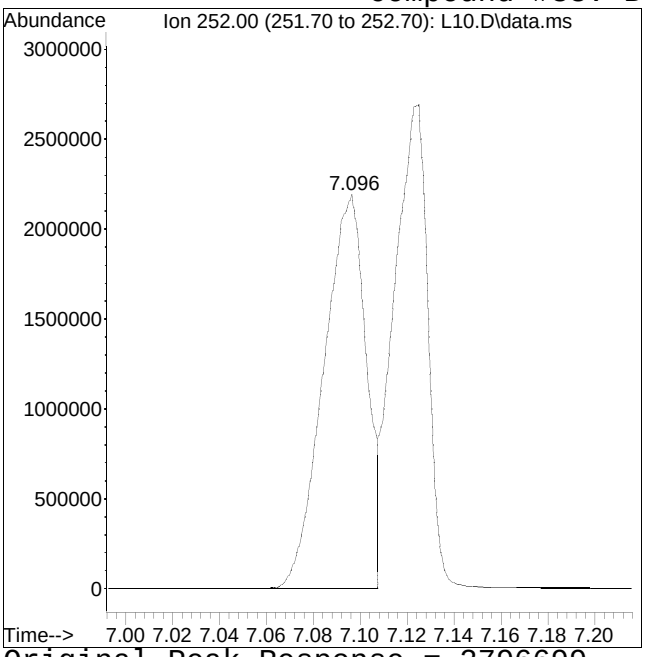
Manual Peak Response = 1693455 M4

M4 = Poor automated baseline construction.

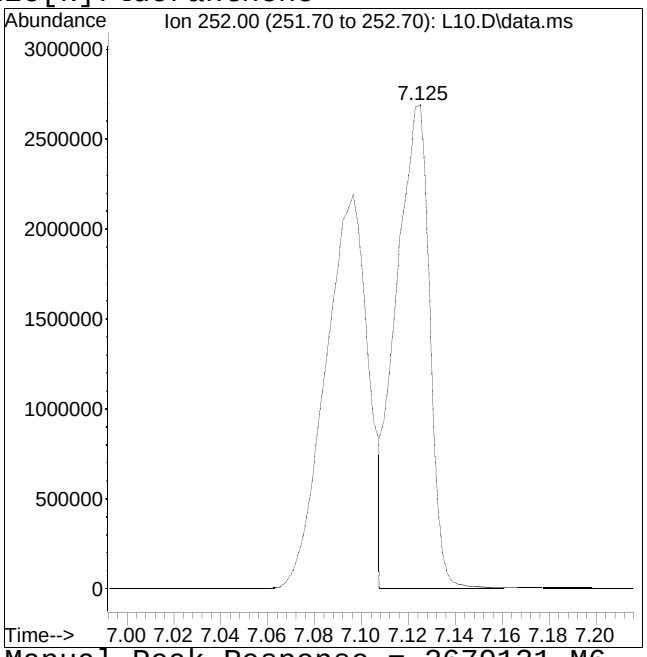
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L10.D
Date Inj'd : 2/3/2025 3:47 pm
Sample : IL10,32,, #11278 5000 ng/m
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 2796699



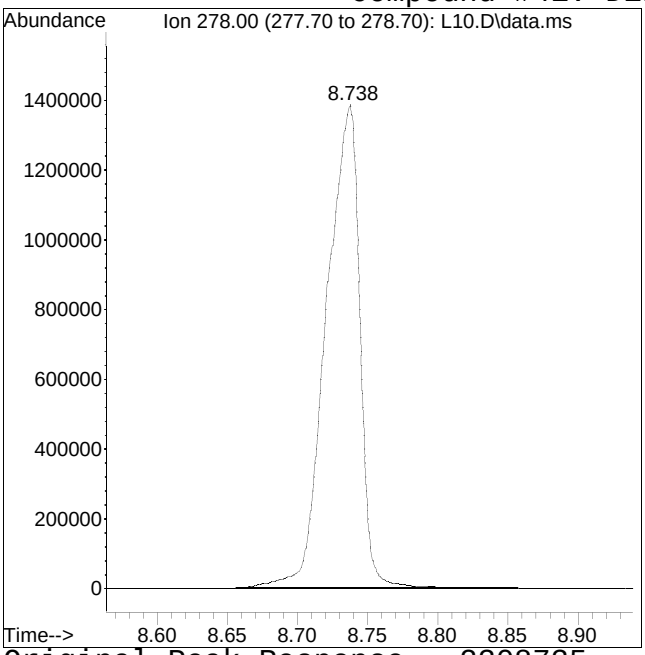
Manual Peak Response = 2679131 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

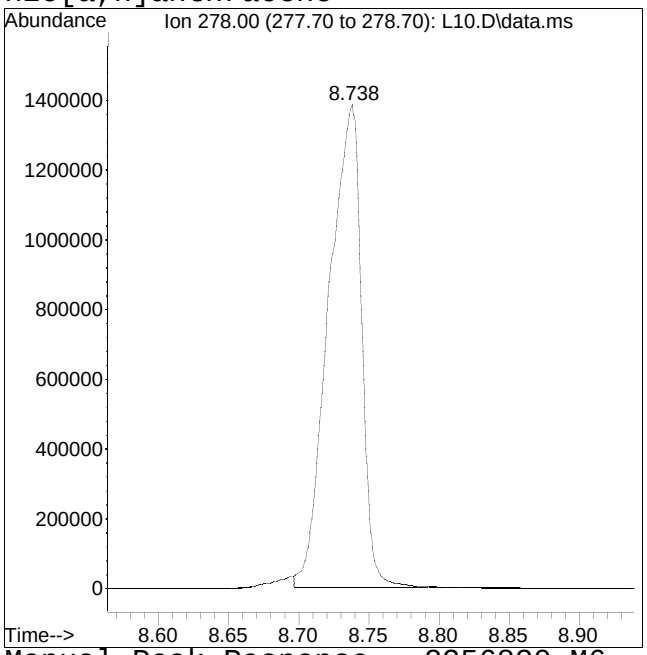
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L10.D
Date Inj'd : 2/3/2025 3:47 pm
Sample : IL10,32,, #11278 5000 ng/m
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 2308735



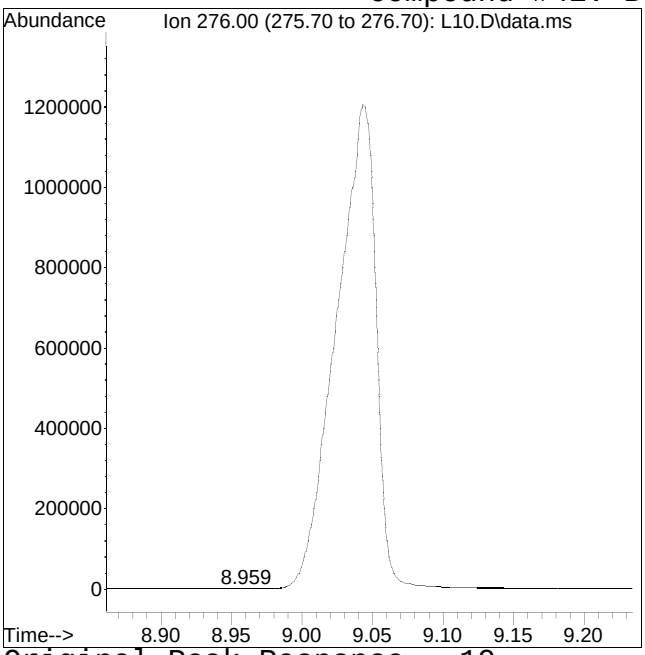
Manual Peak Response = 2256830 M6

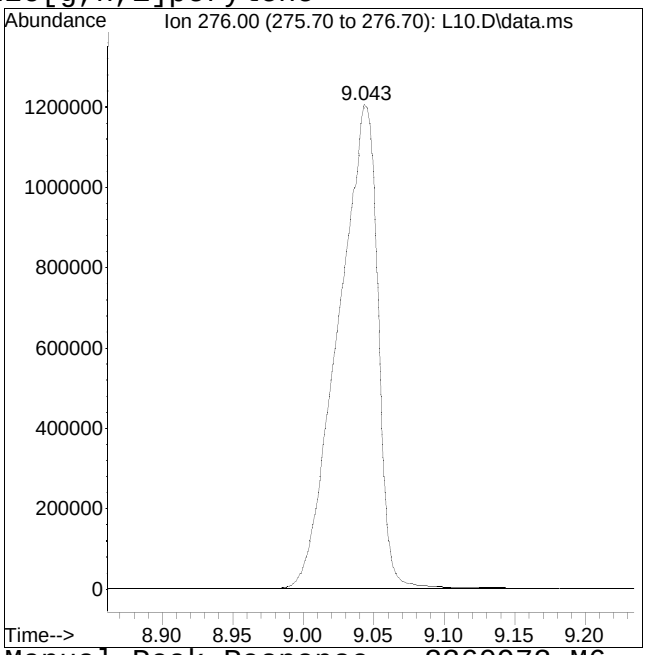
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L10.D Operator : SV118:rp
Date Inj'd : 2/3/2025 3:47 pm Instrument : SV118
Sample : IL10,32,, #11278 5000 ng/mQuant Date : 2/4/2025 10:15 am

Compound #42: Benzo[g,h,i]perylene





Original Peak Response = 19 Manual Peak Response = 2360973 M6
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L9.D
Acq On : 03 Feb 2025 04:04 pm
Operator : SV118:rp
Sample : IL9,32,, #11280 2500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 10:25:38 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.197	152	437004	4000.000	ng/ml	0.00
Standard Area 1 = 474552			Recovery = 92.09%			
8) Naphthalene-d8	2.862	136	1641172	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 93.48%			
17) Acenaphthene-d10	3.841	164	934478	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 94.78%			
22) Phenanthrene-d10	4.684	188	1879809	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.49%			
31) Chrysene-d12	6.243	240	1801406	4000.000	ng/ml	0.00
Standard Area 1 = 1866106			Recovery = 96.53%			
36) Perylene-d12	7.450	264	1823251	4000.000	ng/ml	0.00
Standard Area 1 = 1827508			Recovery = 99.77%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.617	112	320327	2397.121	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 119.86%#			
3) Phenol-d6	2.011	99	395014	2467.059	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 123.35%#			
7) Nitrobenzene-d5	2.479	82	336601	2574.445	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 257.44%#			
13) 2-Fluorobiphenyl	3.461	172	807891	2248.084	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 224.81%#			
21) 2,4,6-Tribromophenol	4.289	330	124940	2890.284	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 144.51%#			
30) 4-Terphenyl-d14	5.606	244	1019461	2334.526	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 233.45%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.066	93	329472	2317.477	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	242500	2659.819	ng/ml	100
6) Hexachloroethane	2.455	117	144267	2425.956	ng/ml	100
9) Naphthalene	2.871	128	1068336	2290.913	ng/ml	100
10) Hexachlorobutadiene	2.945	225	198057	2371.825	ng/ml	100
11) 2-Methylnaphthalene	3.254	142	682409	2351.777	ng/ml	100
12) 1-Methylnaphthalene	3.309	142	692763	2349.157	ng/ml	100
14) 2-Chloronaphthalene	3.526	162	744311	2370.775	ng/ml	100
15) 2,6-Dinitrotoluene	3.722	165	193375	2764.508	ng/ml	99
16) Acenaphthylene	3.759	152	1218847	2538.940	ng/ml	100
18) Acenaphthene	3.859	153	773213	2324.301	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L9.D
Acq On : 03 Feb 2025 04:04 pm
Operator : SV118:rp
Sample : IL9,32,, #11280 2500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 10:25:38 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:22 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	271346	2825.100	ng/ml	98
20) Fluorene	4.150	166	872604	2385.769	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.183	198	150296	2468.753	ng/ml	99
24) Hexachlorobenzene	4.469	284	288514	2317.377	ng/ml	99
25) Pentachlorophenol	4.582	266	178859	2488.628	ng/ml	100
26) Phenanthrene	4.696	178	1322388	2320.198	ng/ml	99
27) Anthracene	4.726	178	1363415	2413.543	ng/ml	99
28) Fluoranthene	5.380	202	1564141	2413.205	ng/ml	100
29) Pyrene	5.509	202	1610033	2400.119	ng/ml	99
32) Benzo[a]anthracene	6.231	226	453580	2383.002	ng/ml#	98
33) 3,3'-Dichlorobenzidine	6.222	252	675166	2805.821	ng/ml	99
34) Chrysene	6.257	228	1506431	2423.884	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.272	149	1078190	2481.619	ng/ml	99
37) Benzo[b]fluoranthene	7.074	252	1501052	2500.159	ng/ml	99
38) Benzo[k]fluoranthene	7.101	252	1460458	2560.502	ng/ml	99
39) Benzo[a]pyrene	7.383	252	1353116	2708.286	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.674	276	1223899	2763.122	ng/ml	99
41) Dibenzo[a,h]anthracene	8.707	278	1192078M6	2785.627	ng/ml	
42) Benzo[g,h,i]perylene	9.014	276	1244200	2658.295	ng/ml	100

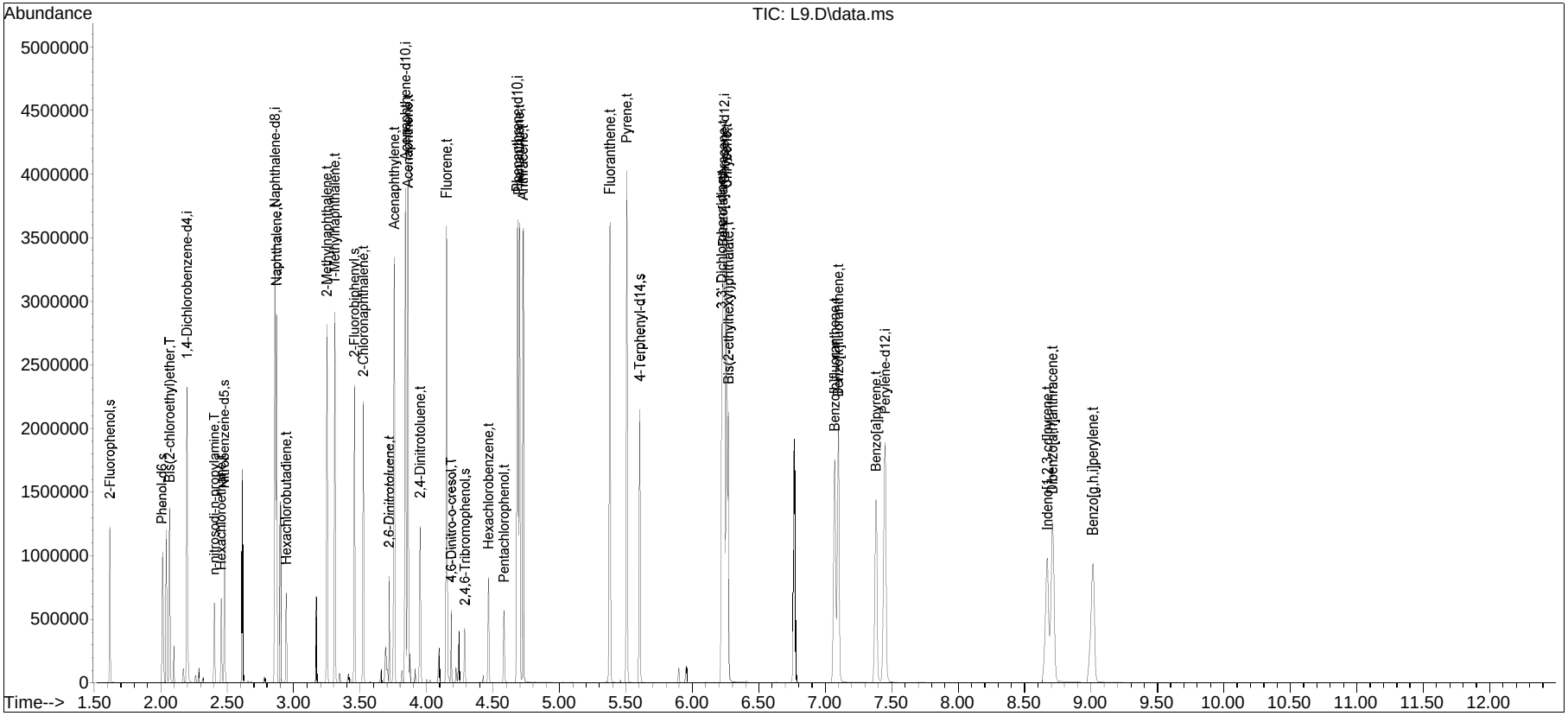
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L9.D
Acq On : 03 Feb 2025 04:04 pm
Operator : SV118:rp
Sample : IL9,32,, #11280 2500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 04 10:25:38 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:22 2025
Response via : Initial Calibration

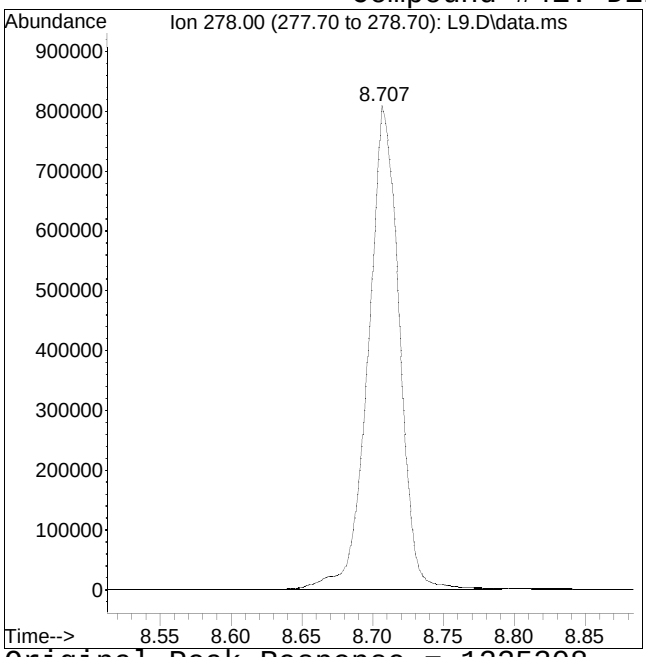
Sub List : Default - All compounds listedical\L8.D•



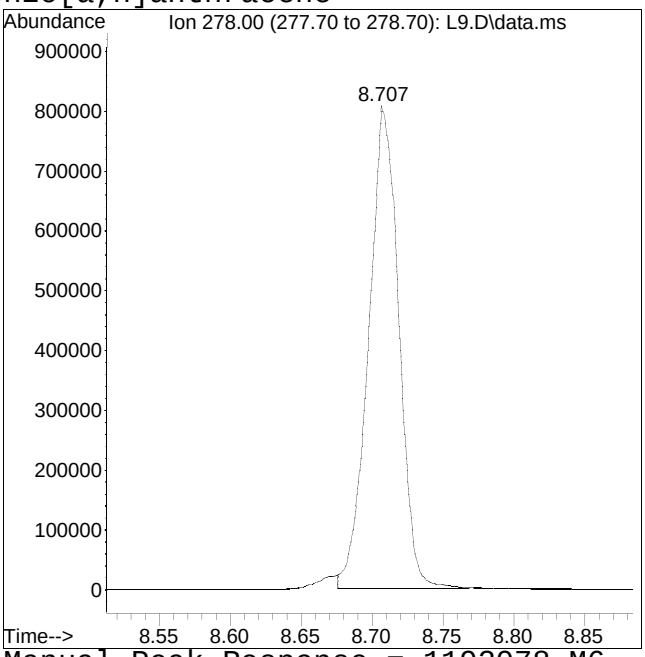
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L9.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:04 pm Instrument : SV118
Sample : IL9,32,, #11280 2500 ng/mlQuant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1235308



Manual Peak Response = 1192078 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L8.D
Acq On : 03 Feb 2025 04:20 pm
Operator : SV118:rp
Sample : IL8,32,, #11281 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 10:15:08 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	474400	4000.000	ng/ml	0.00
Standard Area 1 = 474552			Recovery = 99.97%			
8) Naphthalene-d8	2.861	136	1755733	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 100.00%			
17) Acenaphthene-d10	3.841	164	985911	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 100.00%			
22) Phenanthrene-d10	4.684	188	1968639	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 100.00%			
31) Chrysene-d12	6.237	240	1866853	4000.000	ng/ml	0.00
Standard Area 1 = 1866106			Recovery = 100.04%			
36) Perylene-d12	7.444	264	1847760	4000.000	ng/ml	0.00
Standard Area 1 = 1827508			Recovery = 101.11%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.621	112	145743	1004.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.23%			
3) Phenol-d6	2.012	99	175761	1011.184	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.56%			
7) Nitrobenzene-d5	2.480	82	149010	1049.843	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 104.98%			
13) 2-Fluorobiphenyl	3.461	172	369235	960.414	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.04%			
21) 2,4,6-Tribromophenol	4.286	330	52869	1159.235	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 57.96%			
30) 4-Terphenyl-d14	5.604	244	449158	982.143	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.21%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.067	93	150466	974.936	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	104905	1059.930	ng/ml	100
6) Hexachloroethane	2.457	117	64799	1003.749	ng/ml	100
9) Naphthalene	2.873	128	482745	967.641	ng/ml	100
10) Hexachlorobutadiene	2.946	225	89422	1000.996	ng/ml	100
11) 2-Methylnaphthalene	3.254	142	308281	993.102	ng/ml	100
12) 1-Methylnaphthalene	3.309	142	312243	989.728	ng/ml	100
14) 2-Chloronaphthalene	3.525	162	334556	996.094	ng/ml	100
15) 2,6-Dinitrotoluene	3.722	165	80951	1081.771	ng/ml	100
16) Acenaphthylene	3.759	152	542495	1056.318	ng/ml	100
18) Acenaphthene	3.859	153	345172	983.468	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L8.D
Acq On : 03 Feb 2025 04:20 pm
Operator : SV118:rp
Sample : IL8,32,, #11281 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 10:15:08 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:18 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	112289	1108.100	ng/ml	100
20) Fluorene	4.149	166	388437	1006.614	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.180	198	57711	927.332	ng/ml	100
24) Hexachlorobenzene	4.469	284	129022	989.558	ng/ml	100
25) Pentachlorophenol	4.579	266	69610	1035.983	ng/ml	100
26) Phenanthrene	4.696	178	585672	981.224	ng/ml	100
27) Anthracene	4.725	178	601694	1017.069	ng/ml	100
28) Fluoranthene	5.379	202	683086	1006.332	ng/ml	100
29) Pyrene	5.508	202	716810	1020.351	ng/ml	100
32) Benzo[a]anthracene	6.225	226	190425	965.375	ng/ml#	100
33) 3,3'-Dichlorobenzidine	6.215	252	269575	1081.012	ng/ml	100
34) Chrysene	6.252	228	646269	1003.408	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.263	149	411989	932.797	ng/ml	100
37) Benzo[b]fluoranthene	7.064	252	619863	1018.752	ng/ml	100
38) Benzo[k]fluoranthene	7.090	252	621770	1075.639	ng/ml	100
39) Benzo[a]pyrene	7.371	252	554169	1094.467	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.658	276	489591	1090.659	ng/ml	100
41) Dibenzo[a,h]anthracene	8.693	278	488744M6	1126.940	ng/ml	
42) Benzo[g,h,i]perylene	8.998	276	512735	1080.953	ng/ml	100

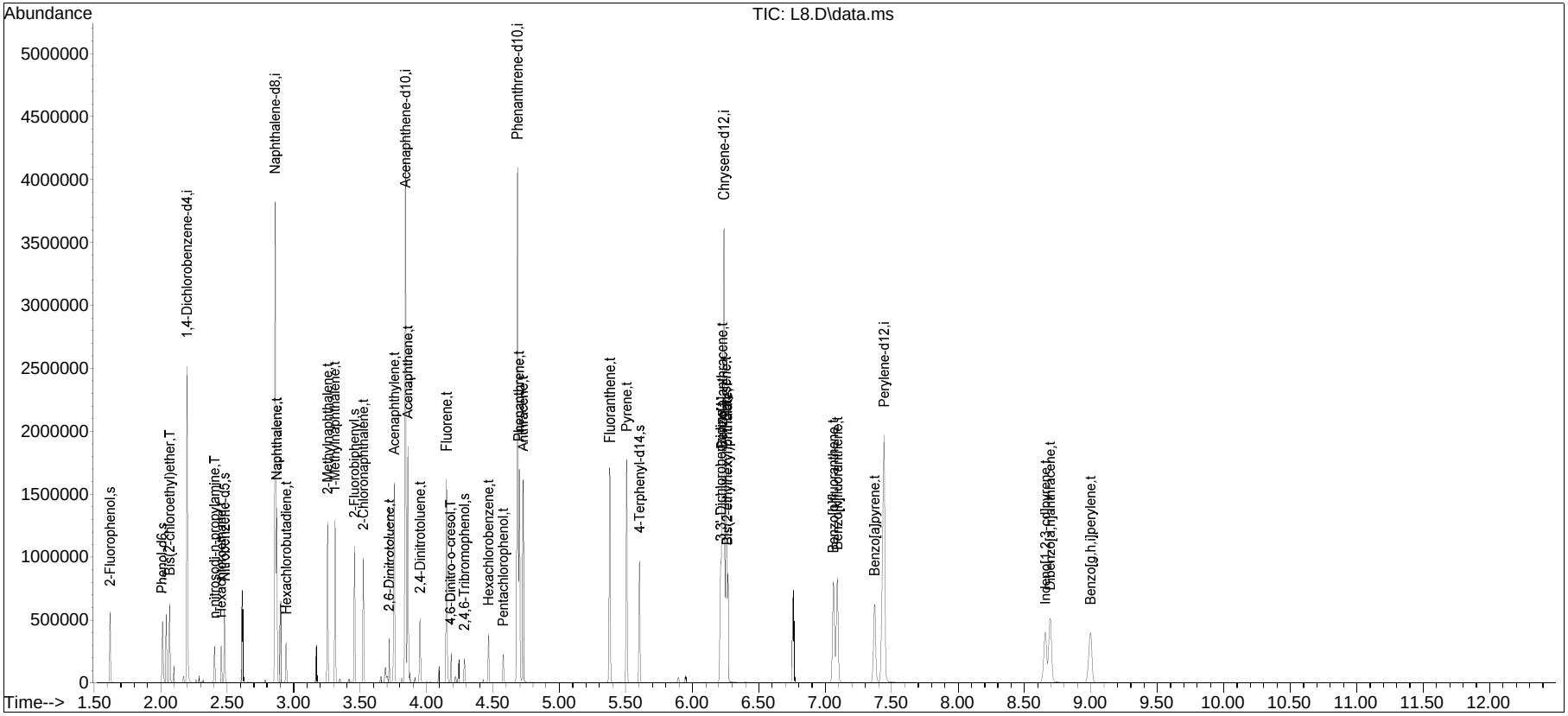
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L8.D
Acq On : 03 Feb 2025 04:20 pm
Operator : SV118:rp
Sample : IL8,32,, #11281 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Feb 04 10:15:08 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:18 2025
Response via : Initial Calibration

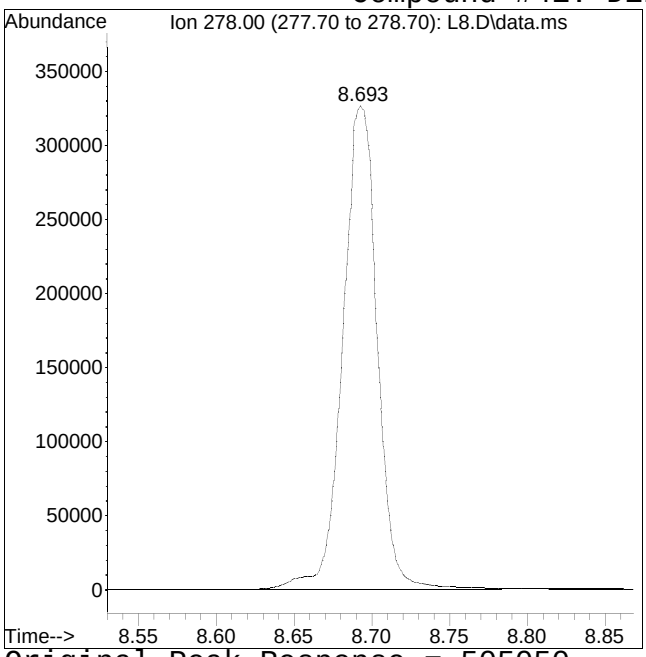
Sub List : Default - All compounds listedical\L8.D•



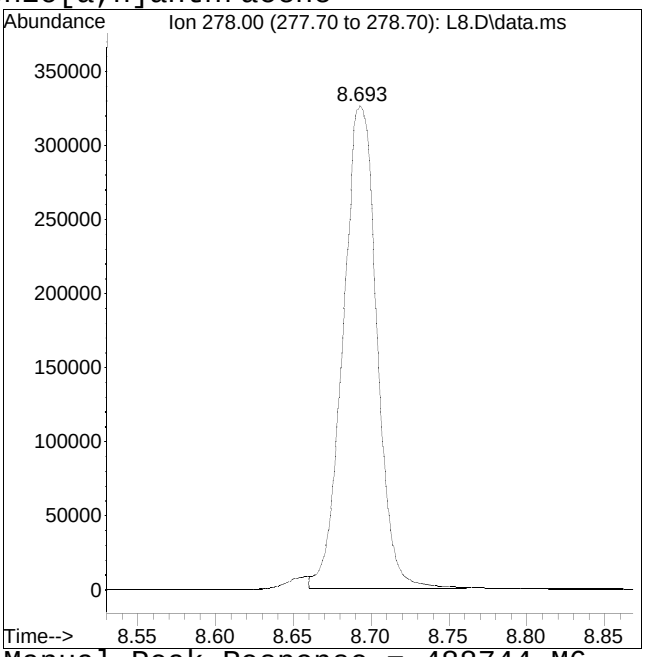
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L8.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:20 pm Instrument : SV118
Sample : IL8,32,, #11281 1000 ng/mlQuant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 505050



Manual Peak Response = 488744 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L7.D
Acq On : 03 Feb 2025 04:38 pm
Operator : SV118:rp
Sample : IL7,32,, #11282 500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 10:15:02 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:12 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.199	152	478468	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 100.86%			
8) Naphthalene-d8	2.861	136	1773140	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 100.99%			
17) Acenaphthene-d10	3.841	164	1006527	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 102.09%			
22) Phenanthrene-d10	4.686	188	2009391	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 102.07%			
31) Chrysene-d12	6.239	240	1955025	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 104.72%			
36) Perylene-d12	7.448	264	1892664	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 102.43%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.618	112	75282	514.541	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.73%			
3) Phenol-d6	2.010	99	89872	512.654	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.63%			
7) Nitrobenzene-d5	2.480	82	76068	531.377	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 53.14%			
13) 2-Fluorobiphenyl	3.462	172	194913	502.009	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 50.20%			
21) 2,4,6-Tribromophenol	4.288	330	26694	573.319	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 28.67%			
30) 4-Terphenyl-d14	5.604	244	242980	520.533	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 52.05%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.066	93	78373	503.496	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	52752	528.460	ng/ml	99
6) Hexachloroethane	2.456	117	33245	510.593	ng/ml	100
9) Naphthalene	2.873	128	250409	497.006	ng/ml	100
10) Hexachlorobutadiene	2.946	225	46112	511.114	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	160230	511.100	ng/ml	100
12) 1-Methylnaphthalene	3.310	142	163256	512.398	ng/ml	100
14) 2-Chloronaphthalene	3.526	162	174533	514.546	ng/ml	100
15) 2,6-Dinitrotoluene	3.722	165	39529	523.052	ng/ml	98
16) Acenaphthylene	3.759	152	281212	542.186	ng/ml	100
18) Acenaphthene	3.859	153	179745	501.642	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L7.D
Acq On : 03 Feb 2025 04:38 pm
Operator : SV118:rp
Sample : IL7,32,, #11282 500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 10:15:02 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:12 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	54956	531.214	ng/ml	97
20) Fluorene	4.152	166	204042	517.934	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.180	198	26779	440.646	ng/ml	98
24) Hexachlorobenzene	4.469	284	67893	510.157	ng/ml	100
25) Pentachlorophenol	4.581	266	32624	501.574	ng/ml	100
26) Phenanthrene	4.698	178	308118	505.746	ng/ml	100
27) Anthracene	4.725	178	315856	523.077	ng/ml	100
28) Fluoranthene	5.377	202	363708	524.953	ng/ml	99
29) Pyrene	5.508	202	380989	531.324	ng/ml	99
32) Benzo[a]anthracene	6.229	226	100349	485.784	ng/ml#	100
33) 3,3'-Dichlorobenzidine	6.216	252	134288	514.216	ng/ml	100
34) Chrysene	6.253	228	349178	517.689	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.266	149	194394	435.762	ng/ml	100
37) Benzo[b]fluoranthene	7.068	252	326733	524.249	ng/ml	100
38) Benzo[k]fluoranthene	7.095	252	323330	546.078	ng/ml	99
39) Benzo[a]pyrene	7.375	252	281877	543.491	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.658	276	237753	517.075	ng/ml	99
41) Dibenzo[a,h]anthracene	8.697	278	242764M6	546.482	ng/ml	
42) Benzo[g,h,i]perylene	9.000	276	255221	525.294	ng/ml	100

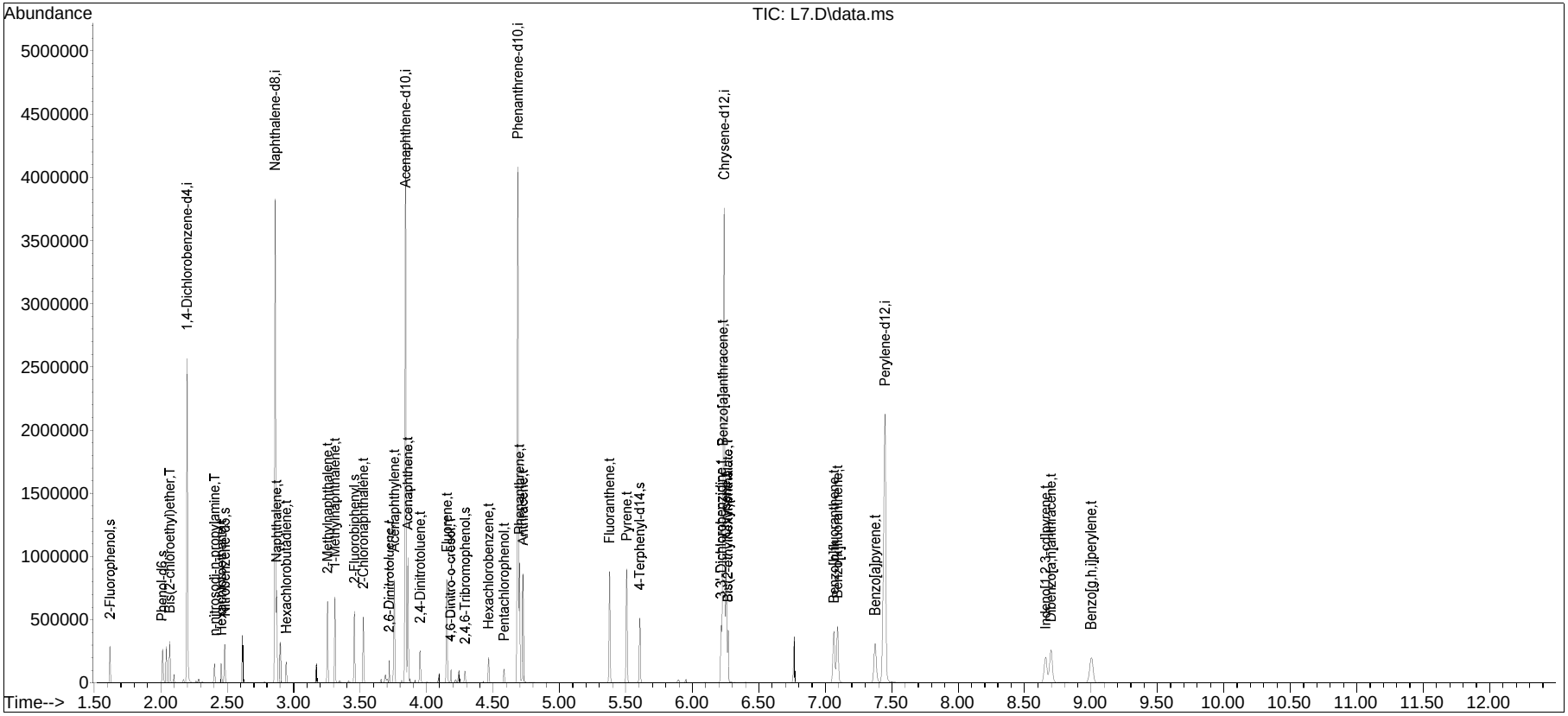
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L7.D
Acq On : 03 Feb 2025 04:38 pm
Operator : SV118:rp
Sample : IL7,32,, #11282 500 ng/ml
Misc : WG2028184,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 04 10:15:02 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:12 2025
Response via : Initial Calibration

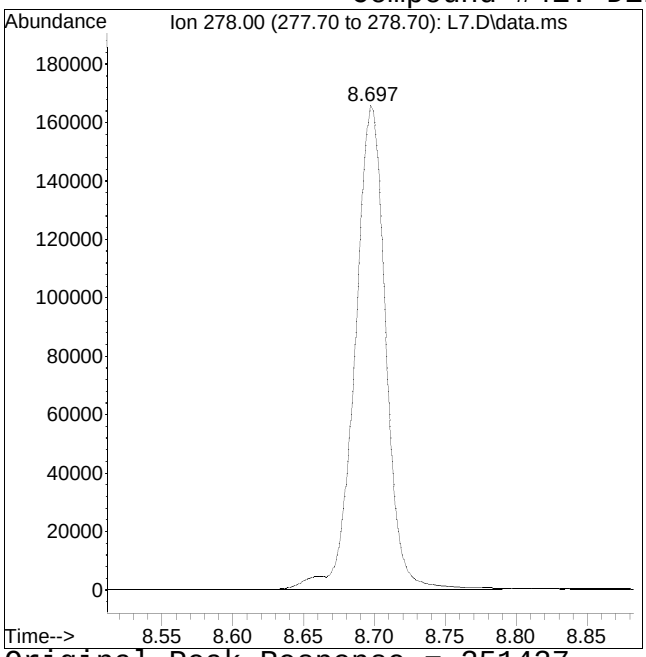
Sub List : Default - All compounds listedical\L8.D•



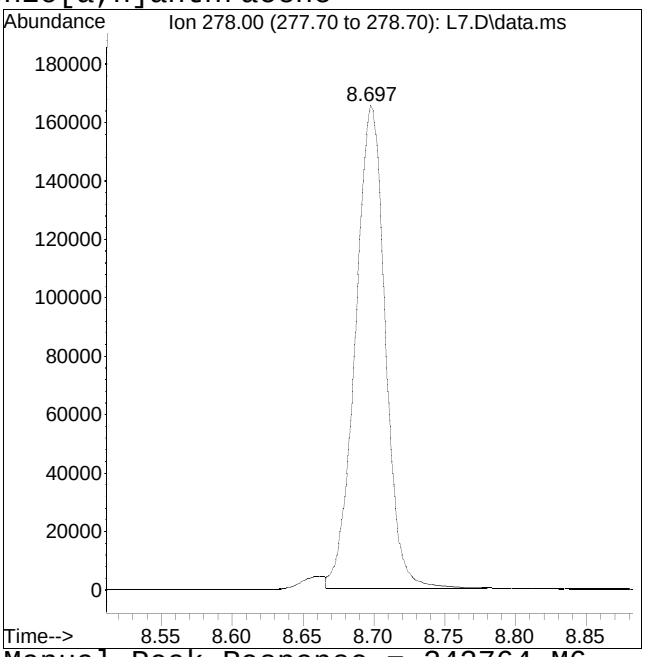
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L7.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:38 pm Instrument : SV118
Sample : IL7,32,, #11282 500 ng/ml Quant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 251427



Manual Peak Response = 242764 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L6.D
Acq On : 03 Feb 2025 04:55 pm
Operator : SV118:rp
Sample : IL6,32,, #11283 100 ng/ml
Misc : WG2028184,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 10:23:51 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.201	152	470615	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 99.20%			
8) Naphthalene-d8	2.863	136	1698938	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 96.77%			
17) Acenaphthene-d10	3.841	164	943071	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 95.65%			
22) Phenanthrene-d10	4.684	188	1870963	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.04%			
31) Chrysene-d12	6.239	240	1797903	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 96.31%			
36) Perylene-d12	7.448	264	1701994	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 92.11%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.622	112	15165	105.380	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.27%#			
3) Phenol-d6	2.013	99	17591	102.018	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.10%#			
7) Nitrobenzene-d5	2.481	82	14359	101.979	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.20%#			
13) 2-Fluorobiphenyl	3.461	172	38497	103.482	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.35%#			
21) 2,4,6-Tribromophenol	4.286	330	4261	97.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.88%#			
30) 4-Terphenyl-d14	5.605	244	44919	103.349	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.33%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.068	93	15870	103.656	ng/ml	100
5) n-nitrosodi-n-propylamine	2.404	70	9739	99.191	ng/ml	98
6) Hexachloroethane	2.458	117	6546	102.214	ng/ml	100
9) Naphthalene	2.874	128	49347	102.221	ng/ml	100
10) Hexachlorobutadiene	2.948	225	9037	104.543	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	30986	103.156	ng/ml	100
12) 1-Methylnaphthalene	3.310	142	31750	104.003	ng/ml	100
14) 2-Chloronaphthalene	3.525	162	33917	104.359	ng/ml	100
15) 2,6-Dinitrotoluene	3.719	165	6299	86.989	ng/ml	93
16) Acenaphthylene	3.758	152	51475	103.580	ng/ml	100
18) Acenaphthene	3.856	153	34526	102.841	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L6.D
Acq On : 03 Feb 2025 04:55 pm
Operator : SV118:rp
Sample : IL6,32,, #11283 100 ng/ml
Misc : WG2028184,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 10:23:51 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.948	165	8230	84.905	ng/ml	87
20) Fluorene	4.149	166	37941	102.789	ng/ml	98
23) 4,6-Dinitro-o-cresol	4.180	198	3378	89.931	ng/ml	96
24) Hexachlorobenzene	4.468	284	13062	105.412	ng/ml	100
25) Pentachlorophenol	4.581	266	4106	78.594	ng/ml	100
26) Phenanthrene	4.695	178	58692M6	103.465	ng/ml	
27) Anthracene	4.725	178	57813	102.826	ng/ml	99
28) Fluoranthene	5.377	202	66381	102.899	ng/ml	99
29) Pyrene	5.508	202	68763	102.992	ng/ml	100
32) Benzo[a]anthracene	6.232	226	17631	92.810	ng/ml#	90
33) 3,3'-Dichlorobenzidine	6.217	252	20496	85.342	ng/ml	99
34) Chrysene	6.254	228	64975	104.750	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.270	149	27102	89.963	ng/ml	100
37) Benzo[b]fluoranthene	7.068	252	57404	102.424	ng/ml	99
38) Benzo[k]fluoranthene	7.092	252	55287	103.836	ng/ml	100
39) Benzo[a]pyrene	7.375	252	46950	100.666	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.658	276	40457	97.845	ng/ml	99
41) Dibenzo[a,h]anthracene	8.695	278	40867M6	102.301	ng/ml	
42) Benzo[g,h,i]perylene	8.996	276	44761	102.447	ng/ml	100

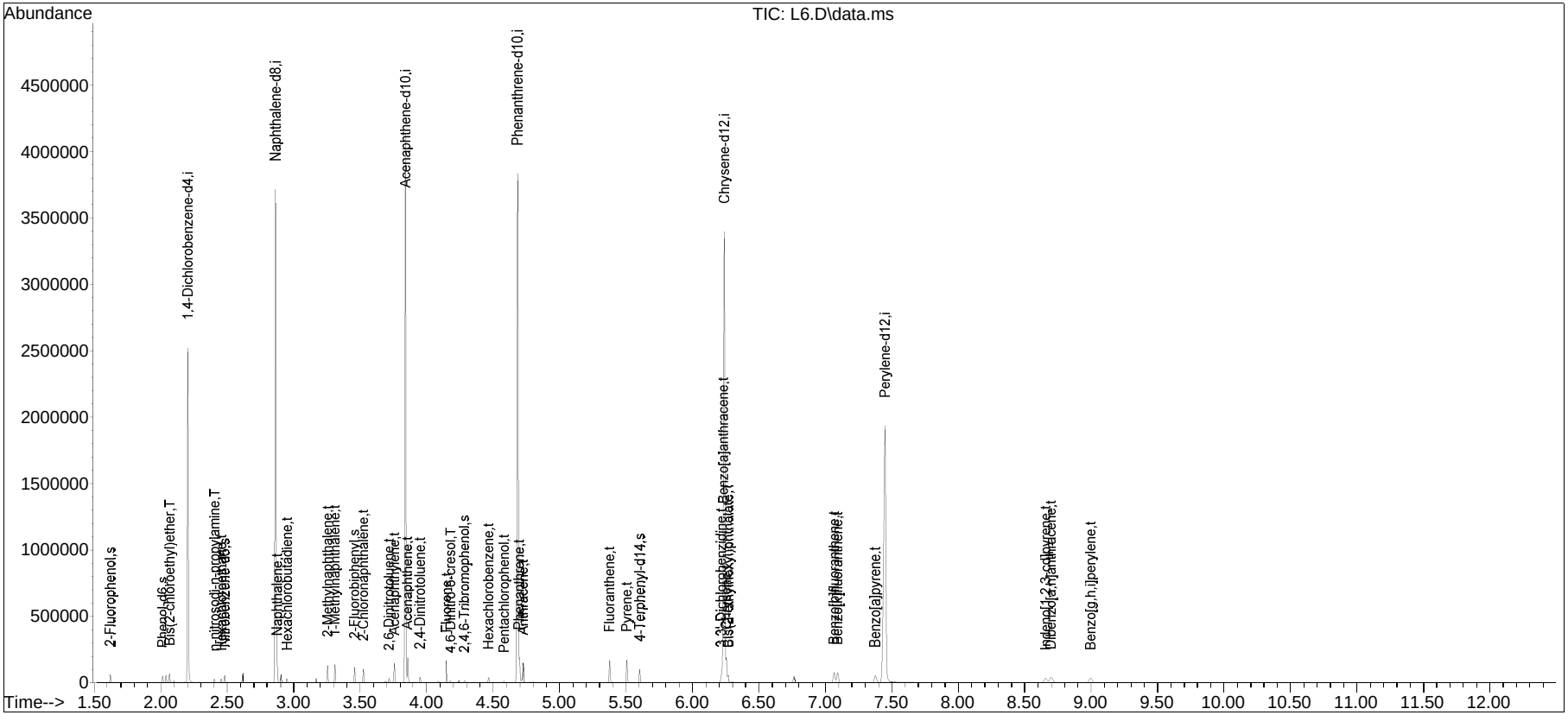
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L6.D
Acq On : 03 Feb 2025 04:55 pm
Operator : SV118:rp
Sample : IL6,32,, #11283 100 ng/ml
Misc : WG2028184,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 04 10:23:51 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:08 2025
Response via : Initial Calibration

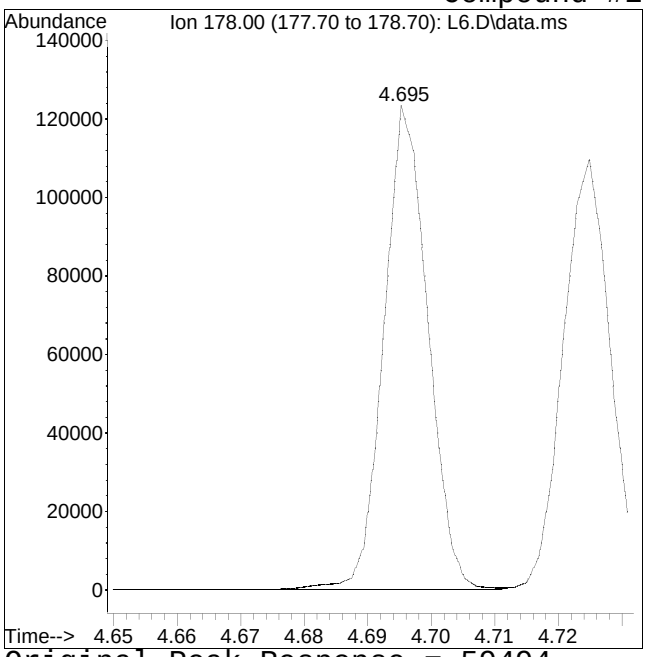
Sub List : Default - All compounds listedical\L8.D•



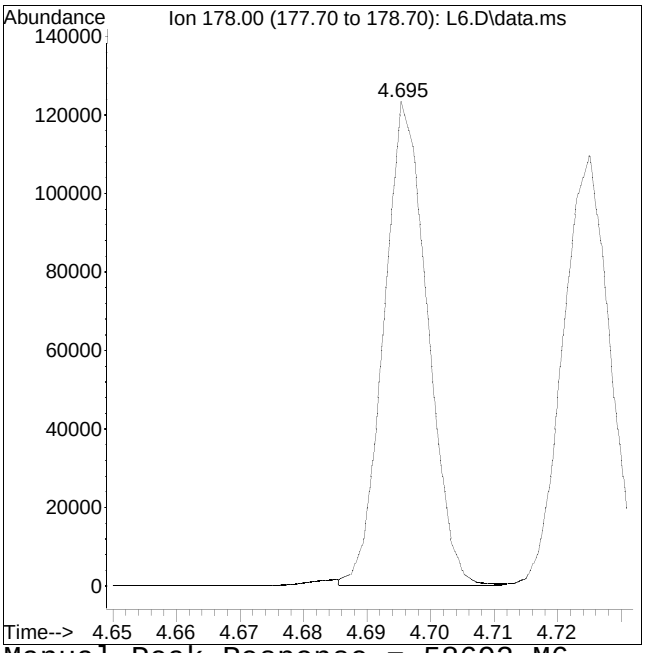
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L6.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:55 pm Instrument : SV118
Sample : IL6,32,, #11283 100 ng/ml Quant Date : 2/4/2025 10:16 am

Compound #26: Phenanthrene



Original Peak Response = 59494



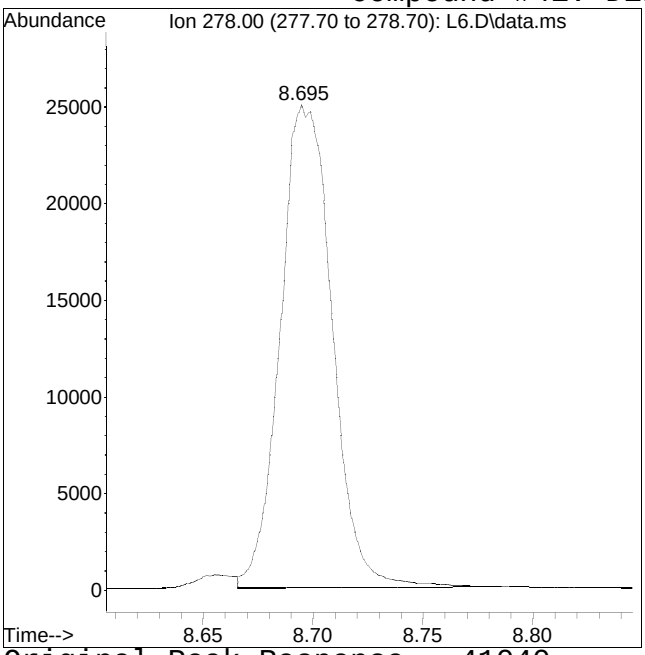
Manual Peak Response = 58692 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

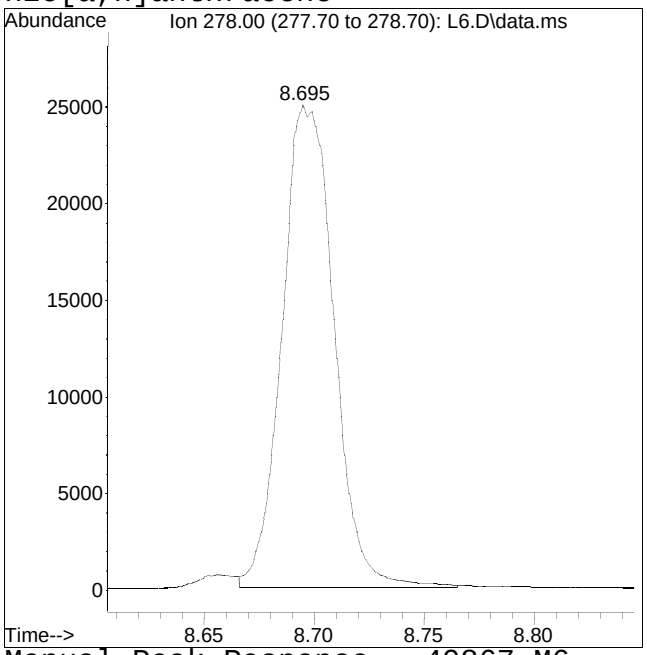
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L6.D Operator : SV118:rp
Date Inj'd : 2/3/2025 4:55 pm Instrument : SV118
Sample : IL6,32,, #11283 100 ng/ml Quant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 41040



Manual Peak Response = 40867 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L5.D
Acq On : 03 Feb 2025 05:12 pm
Operator : SV118:rp
Sample : IL5,32,, #11284 40 ng/ml
Misc : WG2028184,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 10:14:53 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:02 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	474475	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 100.02%			
8) Naphthalene-d8	2.861	136	1710425	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 97.42%			
17) Acenaphthene-d10	3.841	164	953080	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 96.67%			
22) Phenanthrene-d10	4.684	188	1888214	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.91%			
31) Chrysene-d12	6.239	240	1864485	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 99.87%			
36) Perylene-d12	7.448	264	1797382	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 97.27%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.620	112	5890	40.596	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 2.03%#			
3) Phenol-d6	2.012	99	6813	39.190	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.96%#			
7) Nitrobenzene-d5	2.480	82	5565	39.202	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.92%#			
13) 2-Fluorobiphenyl	3.461	172	15247	40.709	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.07%#			
21) 2,4,6-Tribromophenol	4.286	330	1488	33.751	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.69%#			
30) 4-Terphenyl-d14	5.604	244	17879	40.760	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.08%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.067	93	6253	40.510	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	3719	37.570	ng/ml	98
6) Hexachloroethane	2.457	117	2547	39.447	ng/ml	100
9) Naphthalene	2.873	128	19390	39.896	ng/ml	99
10) Hexachlorobutadiene	2.947	225	3540	40.677	ng/ml	100
11) 2-Methylnaphthalene	3.254	142	12144	40.157	ng/ml	100
12) 1-Methylnaphthalene	3.309	142	12446	40.496	ng/ml	99
14) 2-Chloronaphthalene	3.526	162	13348	40.795	ng/ml	100
15) 2,6-Dinitrotoluene	3.720	165	2345	32.167	ng/ml	93
16) Acenaphthylene	3.757	152	19590	39.155	ng/ml	99
18) Acenaphthene	3.857	153	13726	40.455	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L5.D
Acq On : 03 Feb 2025 05:12 pm
Operator : SV118:rp
Sample : IL5,32,, #11284 40 ng/ml
Misc : WG2028184,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 10:14:53 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:02 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.949	165	2905	29.655	ng/ml#	82
20) Fluorene	4.149	166	14808	39.696	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.180	198	987	50.883	ng/ml	95
24) Hexachlorobenzene	4.469	284	5068	40.526	ng/ml	100
25) Pentachlorophenol	4.579	266	1196	29.685	ng/ml	92
26) Phenanthrene	4.696	178	23545M6	41.127	ng/ml	
27) Anthracene	4.725	178	22445	39.556	ng/ml	99
28) Fluoranthene	5.377	202	26276	40.359	ng/ml	99
29) Pyrene	5.506	202	27321	40.547	ng/ml	99
32) Benzo[a]anthracene	6.229	226	7270	36.903	ng/ml#	78
33) 3,3'-Dichlorobenzidine	6.216	252	7808	31.350	ng/ml	99
34) Chrysene	6.252	228	26500	41.197	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.267	149	10358	50.945	ng/ml	99
37) Benzo[b]fluoranthene	7.066	252	22832	38.576	ng/ml	100
38) Benzo[k]fluoranthene	7.093	252	21914	38.973	ng/ml	100
39) Benzo[a]pyrene	7.375	252	18500	37.561	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.652	276	16204	37.109	ng/ml	100
41) Dibenzo[a,h]anthracene	8.691	278	15728M4	37.282	ng/ml	
42) Benzo[g,h,i]perylene	8.992	276	17705	38.372	ng/ml	100

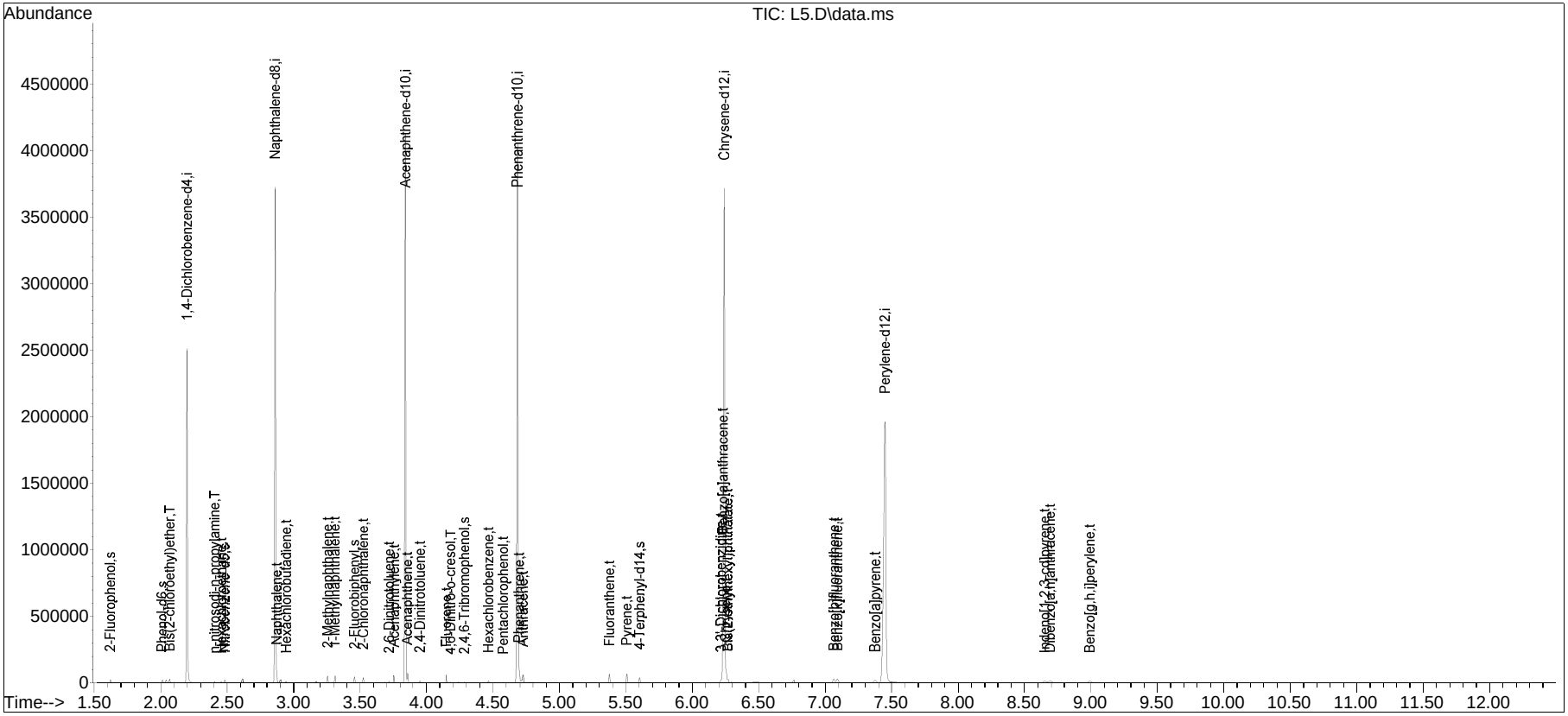
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L5.D
Acq On : 03 Feb 2025 05:12 pm
Operator : SV118:rp
Sample : IL5,32,, #11284 40 ng/ml
Misc : WG2028184,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Feb 04 10:14:53 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:16:02 2025
Response via : Initial Calibration

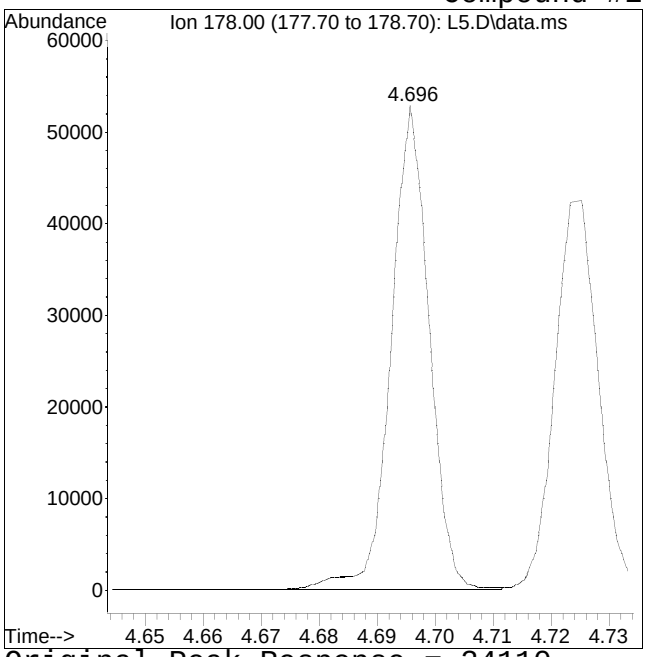
Sub List : Default - All compounds listedical\L8.D•



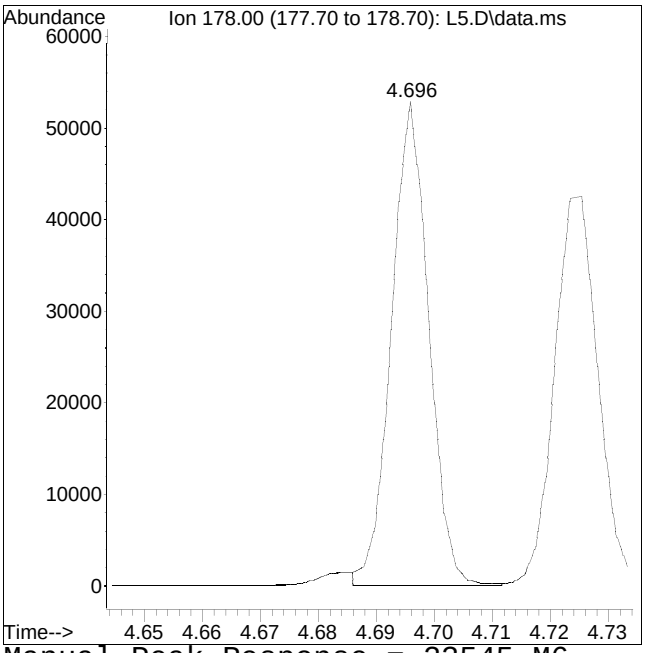
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L5.D
Date Inj'd : 2/3/2025 5:12 pm
Sample : IL5,32,, #11284 40 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:16 am

Compound #26: Phenanthrene



Original Peak Response = 24110



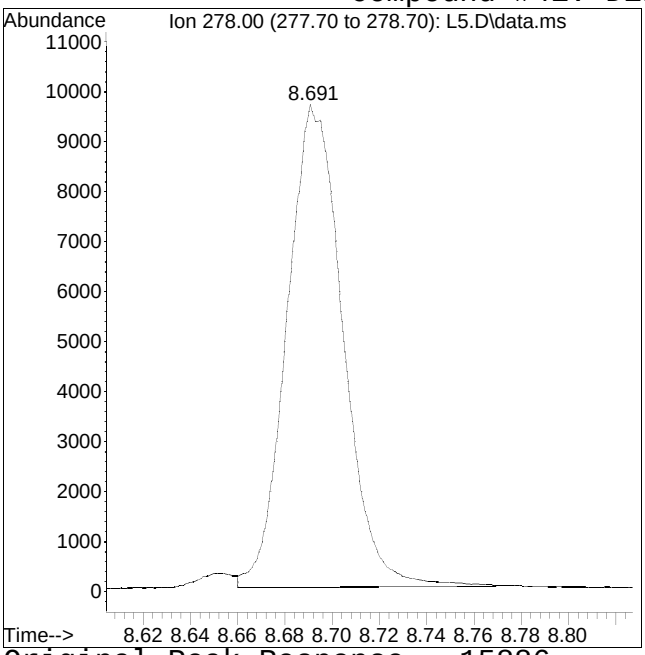
Manual Peak Response = 23545 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

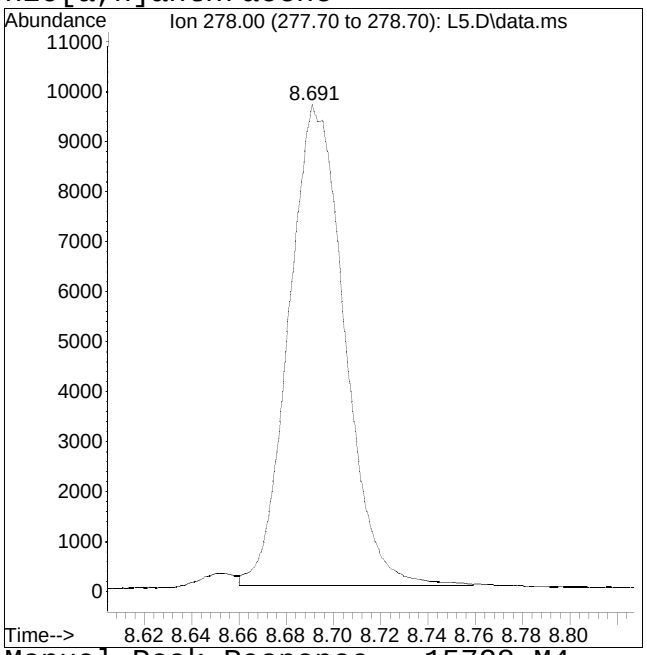
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L5.D
Date Inj'd : 2/3/2025 5:12 pm
Sample : IL5,32,, #11284 40 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:16 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 15886



Manual Peak Response = 15728 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L4.D
Acq On : 03 Feb 2025 05:29 pm
Operator : SV118:rp
Sample : IL4,32,, #11285 10 ng/ml
Misc : WG2028184,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 09:29:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.203	152	502433	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery	= 105.91%		
8) Naphthalene-d8	2.863	136	1779282	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery	= 101.34%		
17) Acenaphthene-d10	3.840	164	966545	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery	= 98.04%		
22) Phenanthrene-d10	4.683	188	1848885	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery	= 93.92%		
31) Chrysene-d12	6.238	240	1672331	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery	= 89.58%		
36) Perylene-d12	7.443	264	1552719	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery	= 84.03%		
System Monitoring Compounds						
2) 2-Fluorophenol	1.629	112	1561	10.160	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.51%#		
3) Phenol-d6	2.015	99	1793	9.740	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.49%#		
7) Nitrobenzene-d5	2.481	82	1375M6	9.147	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.91%#		
13) 2-Fluorobiphenyl	3.460	172	3944	10.123	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 1.01%#		
21) 2,4,6-Tribromophenol	4.285	330	348	7.783	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 0.39%#		
30) 4-Terphenyl-d14	5.603	244	4000	9.313	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 0.93%#		
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.071	93	1646	10.070	ng/ml	98
5) n-nitrosodi-n-propylamine	2.406	70	961	9.168	ng/ml	100
6) Hexachloroethane	2.459	117	689	10.077	ng/ml	98
9) Naphthalene	2.872	128	5197	10.279	ng/ml#	97
10) Hexachlorobutadiene	2.946	225	933	10.306	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	3133	9.959	ng/ml	100
12) 1-Methylnaphthalene	3.308	142	3192	9.984	ng/ml	99
14) 2-Chloronaphthalene	3.525	162	3366	9.889	ng/ml	100
15) 2,6-Dinitrotoluene	3.719	165	600M6	7.912	ng/ml	
16) Acenaphthylene	3.756	152	4816	9.253	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L4.D
Acq On : 03 Feb 2025 05:29 pm
Operator : SV118:rp
Sample : IL4,32,, #11285 10 ng/ml
Misc : WG2028184,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 09:29:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
18) Acenaphthene	3.856	153	3460	10.056	ng/ml	98
19) 2,4-Dinitrotoluene	3.948	165	638	6.422	ng/ml#	74
20) Fluorene	4.149	166	3652	9.654	ng/ml	99
23) 4,6-Dinitro-o-cresol	4.179	198	176	37.869	ng/ml	87
24) Hexachlorobenzene	4.468	284	1209	9.873	ng/ml	98
25) Pentachlorophenol	4.579	266	272M4	14.367	ng/ml	
26) Phenanthrene	4.695	178	5536M3	9.876	ng/ml	
27) Anthracene	4.723	178	5345	9.620	ng/ml	98
28) Fluoranthene	5.377	202	5943M1	9.322	ng/ml	
29) Pyrene	5.506	202	6107	9.256	ng/ml	99
32) Benzo[a]anthracene	6.229	226	1824	10.322	ng/ml#	17
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.251	228	5677	9.839	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.267	149	2479	34.249	ng/ml	98
37) Benzo[b]fluoranthene	7.068	252	4849	9.484	ng/ml	100
38) Benzo[k]fluoranthene	7.092	252	4613M6	9.497	ng/ml	
39) Benzo[a]pyrene	7.375	252	3905	9.178	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.655	276	3446	9.135	ng/ml	99
41) Dibenzo[a,h]anthracene	8.691	278	3236M1	8.879	ng/ml	
42) Benzo[g,h,i]perylene	8.996	276	3632	9.112	ng/ml	100

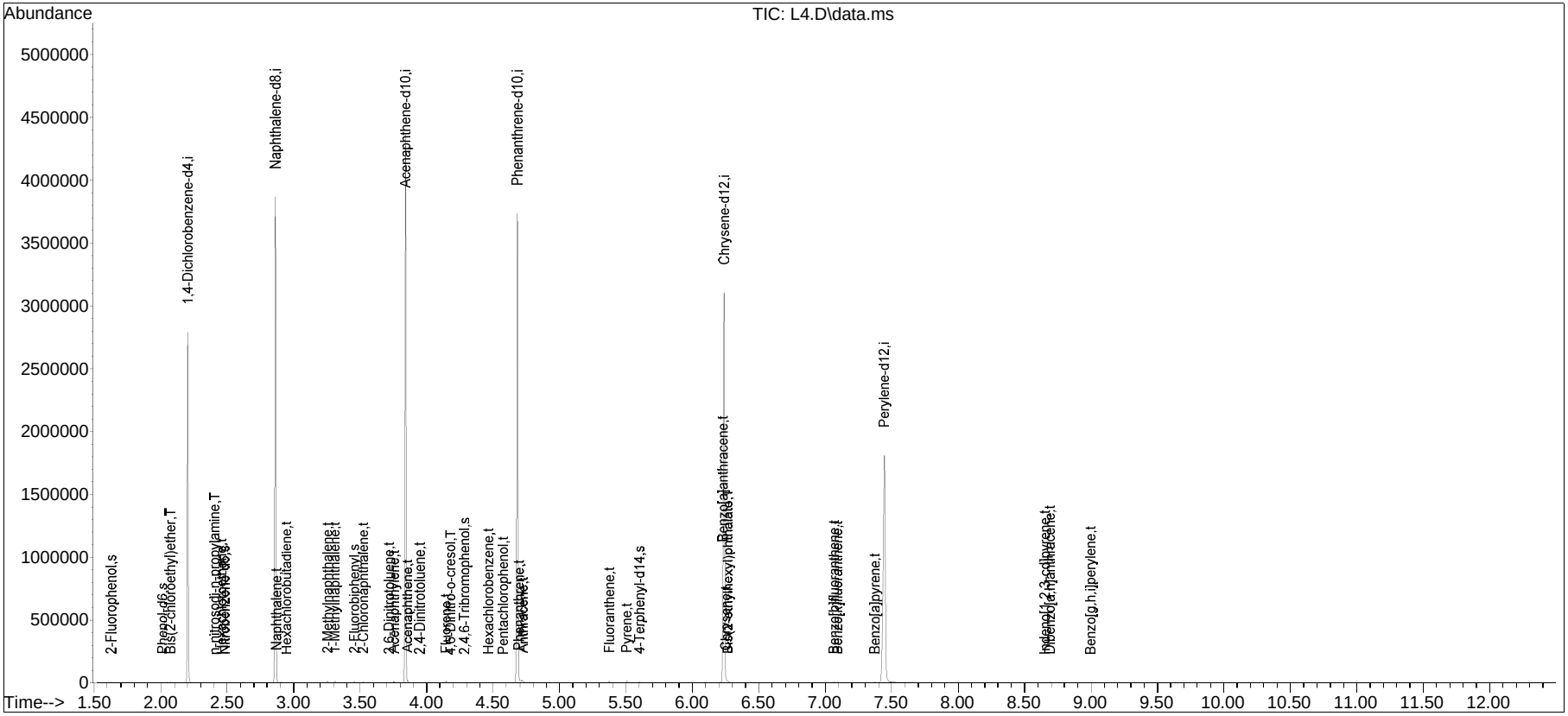
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L4.D
Acq On : 03 Feb 2025 05:29 pm
Operator : SV118:rp
Sample : IL4,32,, #11285 10 ng/ml
Misc : WG2028184,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 10 09:29:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:57 2025
Response via : Initial Calibration

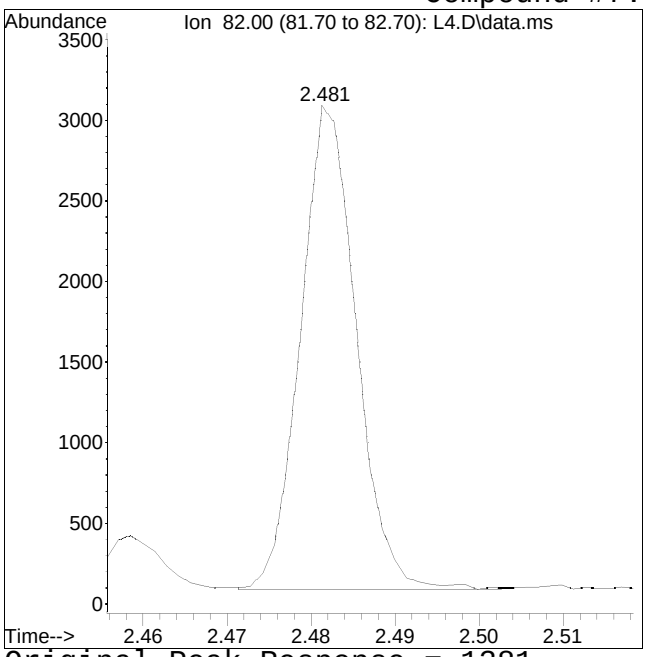
Sub List : Default - All compounds listedical\L8.D•



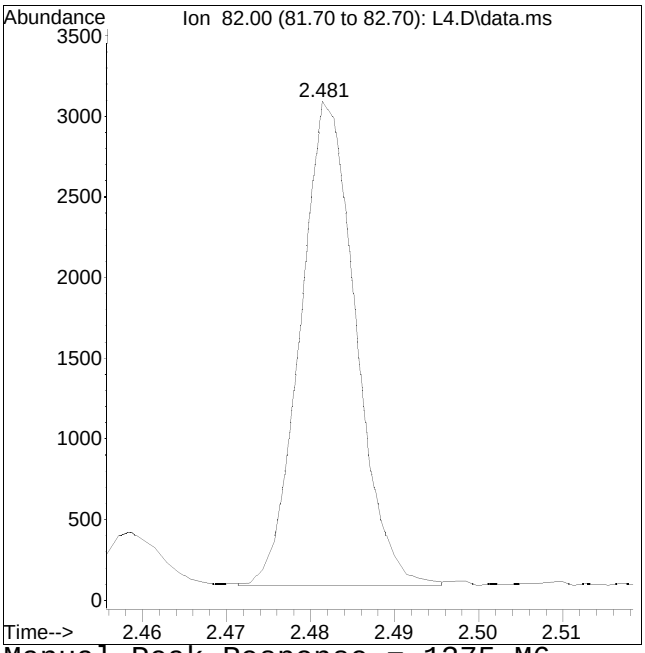
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #7: Nitrobenzene-d5



Original Peak Response = 1381



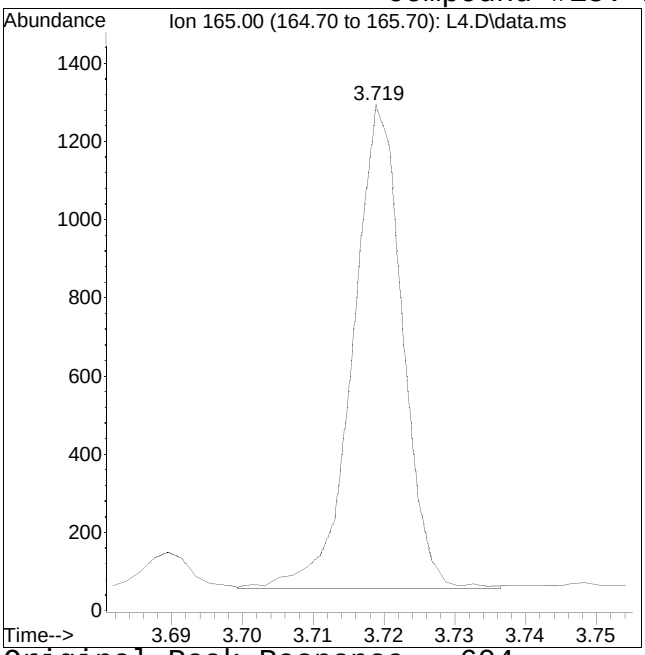
Manual Peak Response = 1375 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

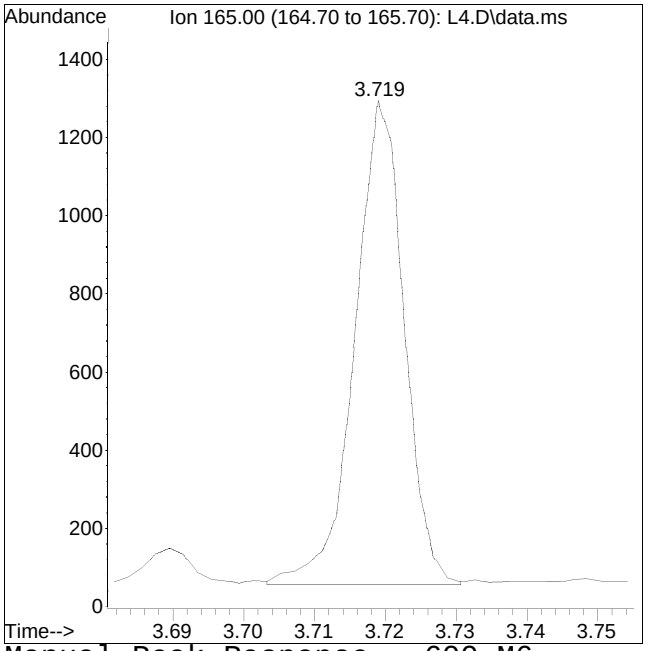
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #15: 2,6-Dinitrotoluene



Original Peak Response = 604



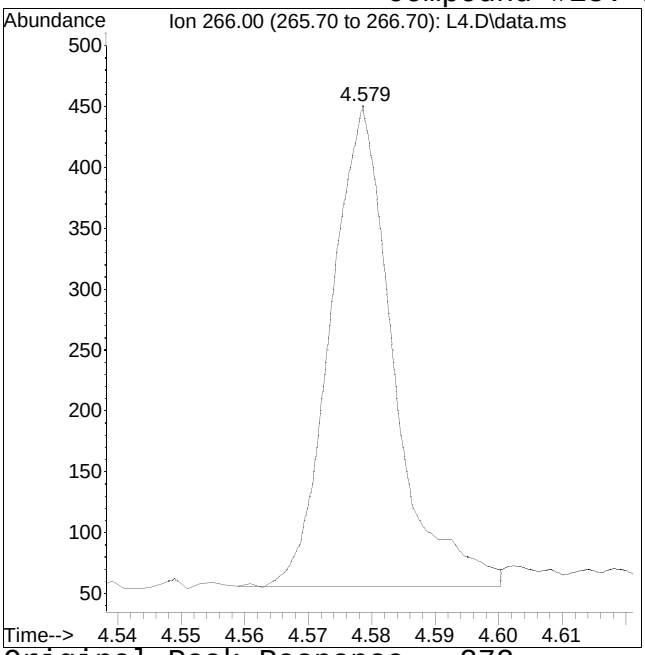
Manual Peak Response = 600 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

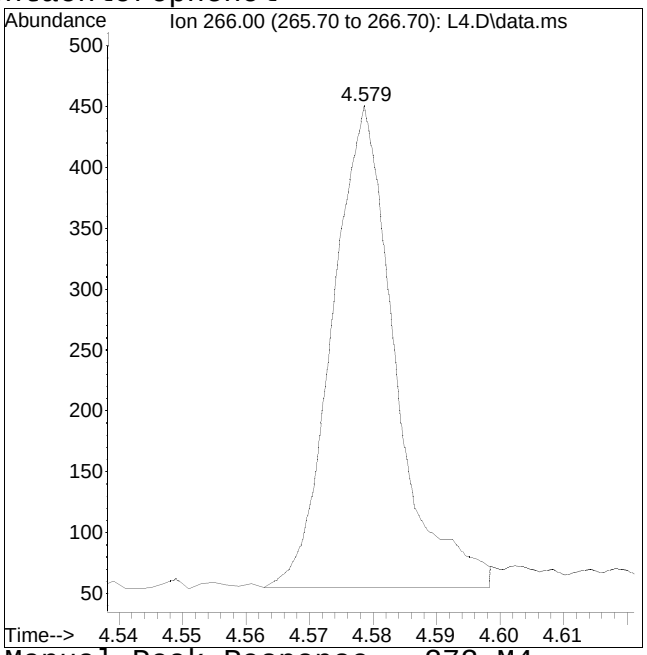
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #25: Pentachlorophenol



Original Peak Response = 272



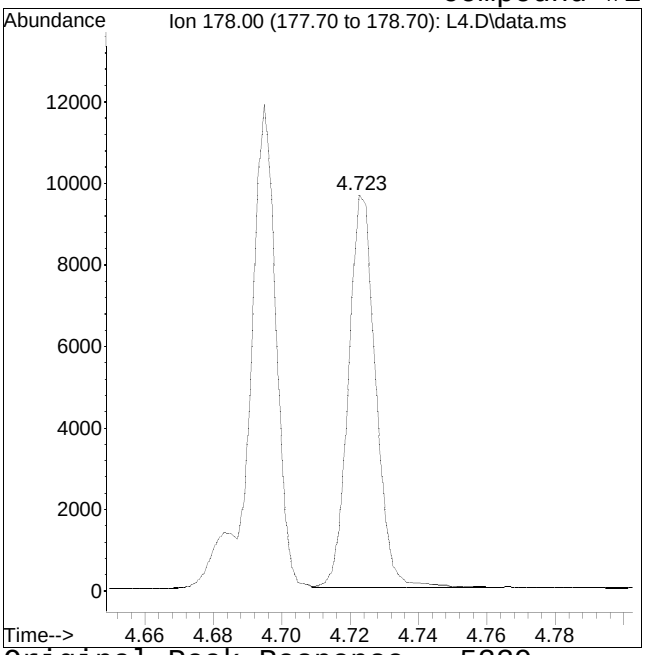
Manual Peak Response = 272 M4

M4 = Poor automated baseline construction.

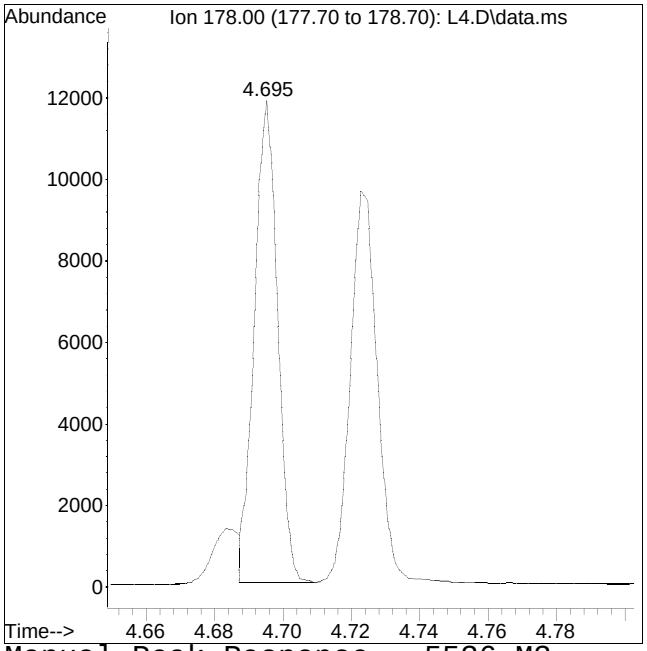
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 5339



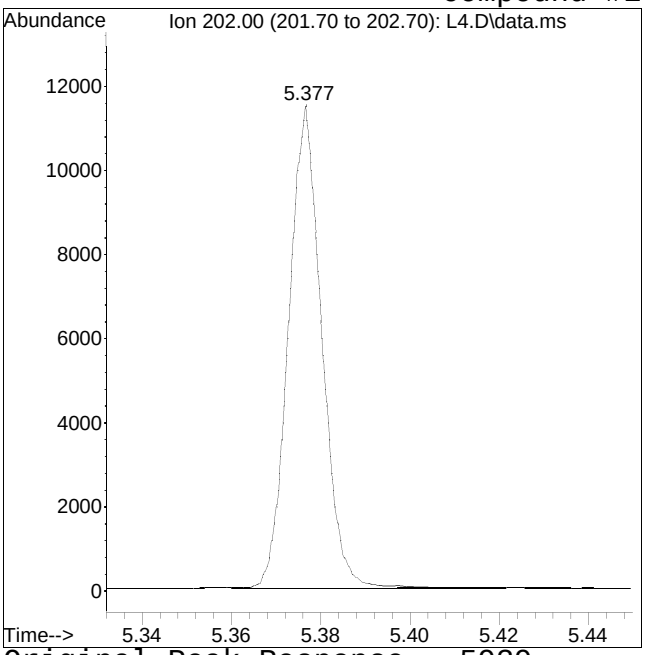
Manual Peak Response = 5536 M3

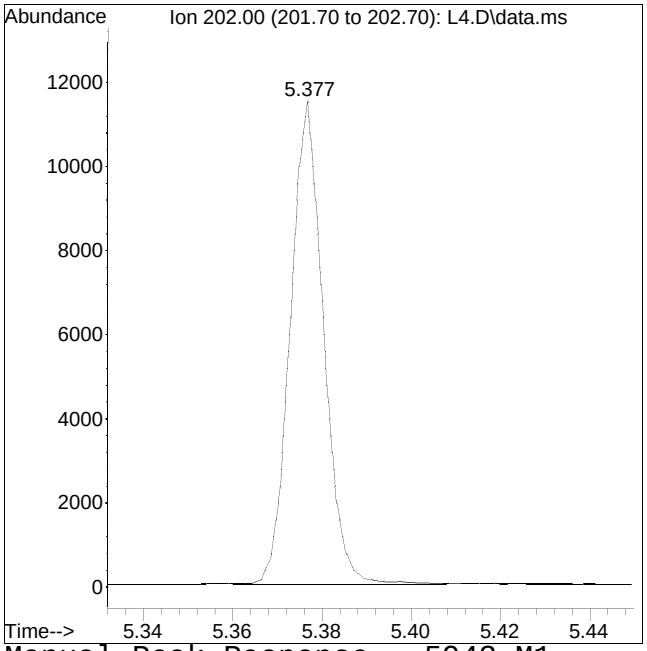
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #28: Fluoranthene





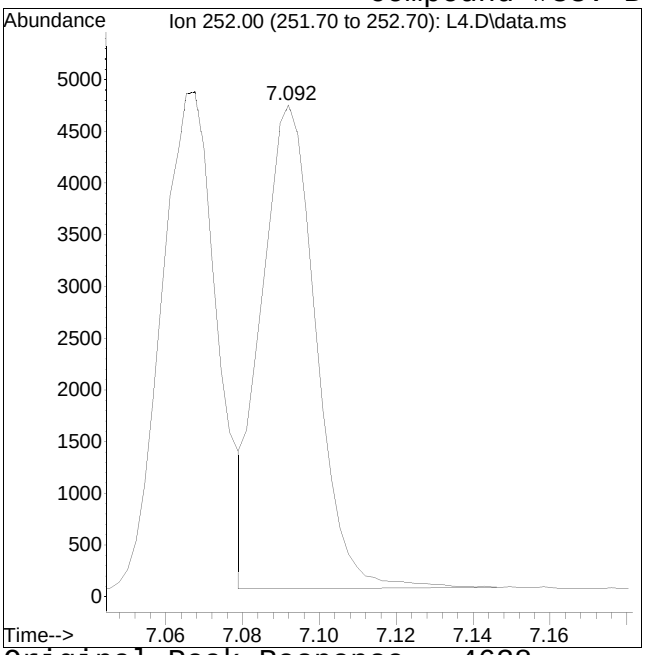
Original Peak Response = 5939 Manual Peak Response = 5943 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

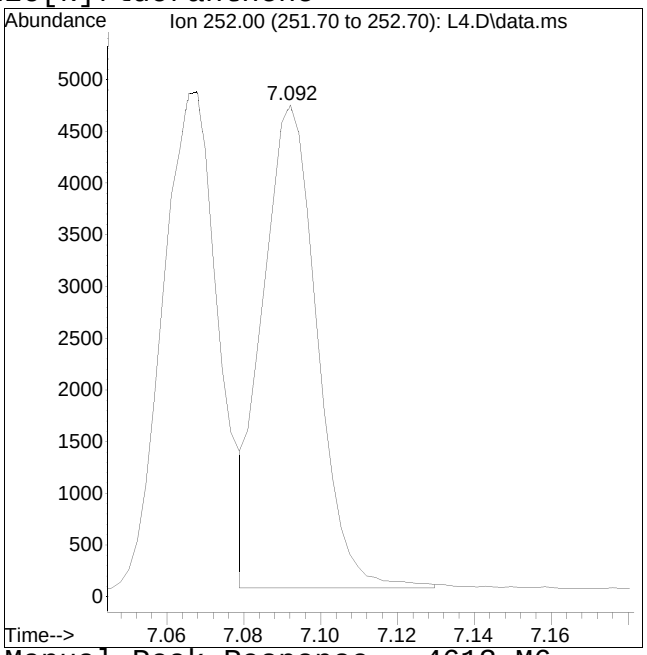
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 4638



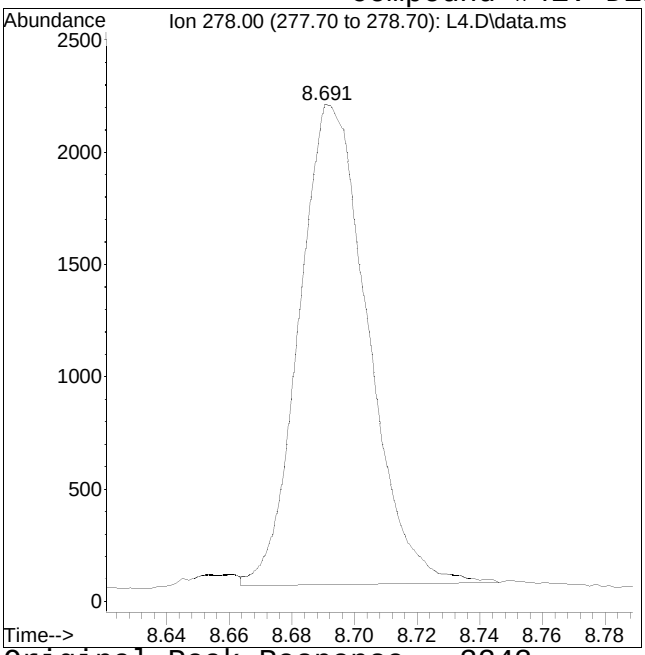
Manual Peak Response = 4613 M6

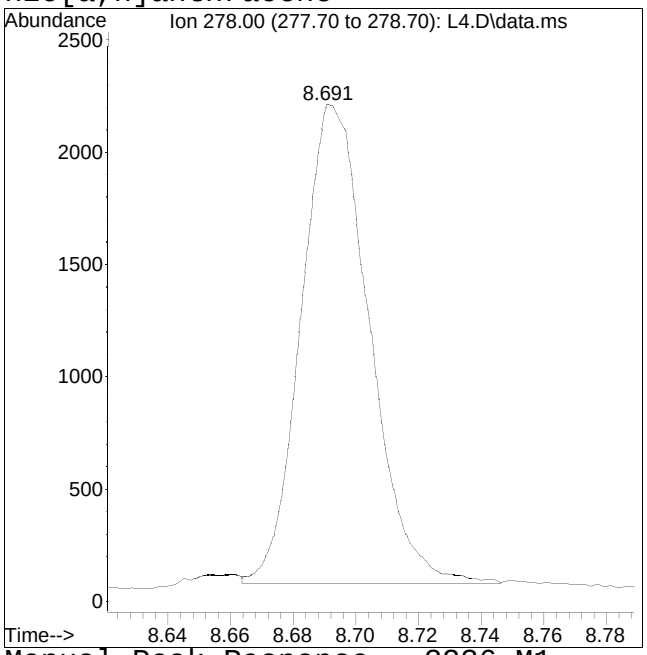
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L4.D
Date Inj'd : 2/3/2025 5:29 pm
Sample : IL4,32,, #11285 10 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene





Original Peak Response = 3243 Manual Peak Response = 3236 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L3.D
Acq On : 03 Feb 2025 05:46 pm
Operator : SV118:rp
Sample : IL3,32,, #11286 5 ng/ml
Misc : WG2028184,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 10:21:16 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	493524	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 104.03%			
8) Naphthalene-d8	2.861	136	1774159	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 101.05%			
17) Acenaphthene-d10	3.840	164	985685	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 99.98%			
22) Phenanthrene-d10	4.683	188	1948289	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 98.97%			
31) Chrysene-d12	6.235	240	1853197	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 99.27%			
36) Perylene-d12	7.446	264	1705671	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 92.31%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.622	112	743	4.923	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#			
3) Phenol-d6	2.012	99	881	4.872	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
7) Nitrobenzene-d5	2.481	82	681	4.612	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.46%#			
13) 2-Fluorobiphenyl	3.461	172	1948	5.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.50%#			
21) 2,4,6-Tribromophenol	4.286	330	179	3.926	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.20%#			
30) 4-Terphenyl-d14	5.603	244	2270	5.016	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.50%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.068	93	896	5.581	ng/ml	91
5) n-nitrosodi-n-propylamine	2.406	70	484	4.701	ng/ml	99
6) Hexachloroethane	2.457	117	345	5.137	ng/ml	94
9) Naphthalene	2.872	128	2592	5.142	ng/ml	98
10) Hexachlorobutadiene	2.946	225	469	5.195	ng/ml	99
11) 2-Methylnaphthalene	3.255	142	1554	4.954	ng/ml	99
12) 1-Methylnaphthalene	3.310	142	1579	4.953	ng/ml	98
14) 2-Chloronaphthalene	3.525	162	1699	5.006	ng/ml	99
15) 2,6-Dinitrotoluene	0.000		0	N.D. d		
16) Acenaphthylene	3.756	152	2425	4.673	ng/ml	98
18) Acenaphthene	3.856	153	1798M6	5.124	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L3.D
Acq On : 03 Feb 2025 05:46 pm
Operator : SV118:rp
Sample : IL3,32,, #11286 5 ng/ml
Misc : WG2028184,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 10:21:16 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:53 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.149	166	1899	4.922	ng/ml	98
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.466	284	644	4.991	ng/ml	99
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.695	178	3015M3	5.104	ng/ml	
27) Anthracene	4.723	178	2815	4.808	ng/ml	100
28) Fluoranthene	5.377	202	3317	4.938	ng/ml	100
29) Pyrene	5.506	202	3433	4.938	ng/ml	99
32) Benzo[a]anthracene	6.230	226	1237	6.317	ng/ml#	1
33) 3,3'-Dichlorobenzidine	6.215	252	858	3.466	ng/ml	97
34) Chrysene	6.250	228	3159	4.941	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.266	149	1334	31.123	ng/ml	100
37) Benzo[b]fluoranthene	7.063	252	2723	4.848	ng/ml	98
38) Benzo[k]fluoranthene	7.090	252	2396M6	4.490	ng/ml	
39) Benzo[a]pyrene	7.373	252	2094	4.480	ng/ml	99
40) Indeno[1,2,3-cd]pyrene	8.658	276	1841	4.443	ng/ml	99
41) Dibenzo[a,h]anthracene	8.691	278	1675M1	4.184	ng/ml	
42) Benzo[g,h,i]perylene	8.994	276	1966	4.490	ng/ml	99

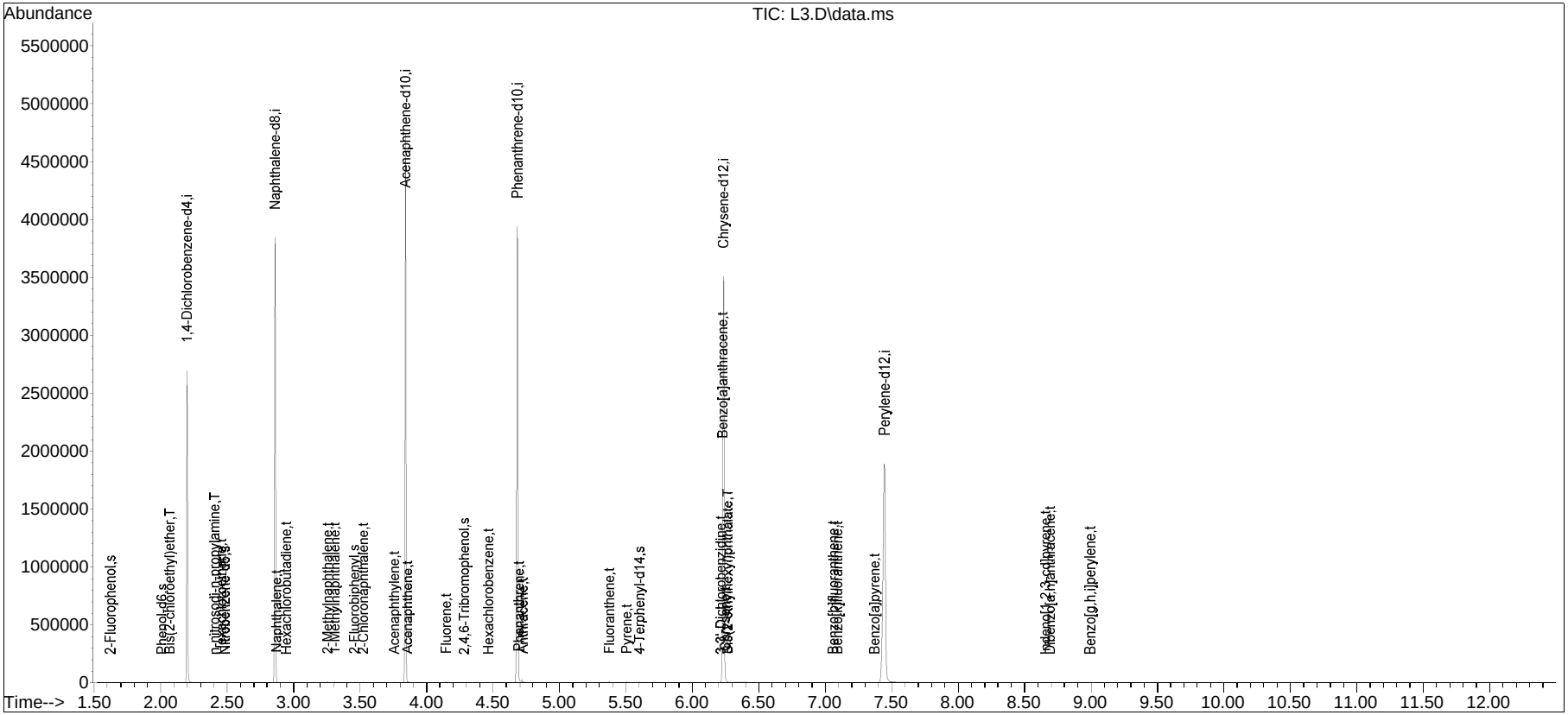
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L3.D
Acq On : 03 Feb 2025 05:46 pm
Operator : SV118:rp
Sample : IL3,32,, #11286 5 ng/ml
Misc : WG2028184,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 04 10:21:16 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:53 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

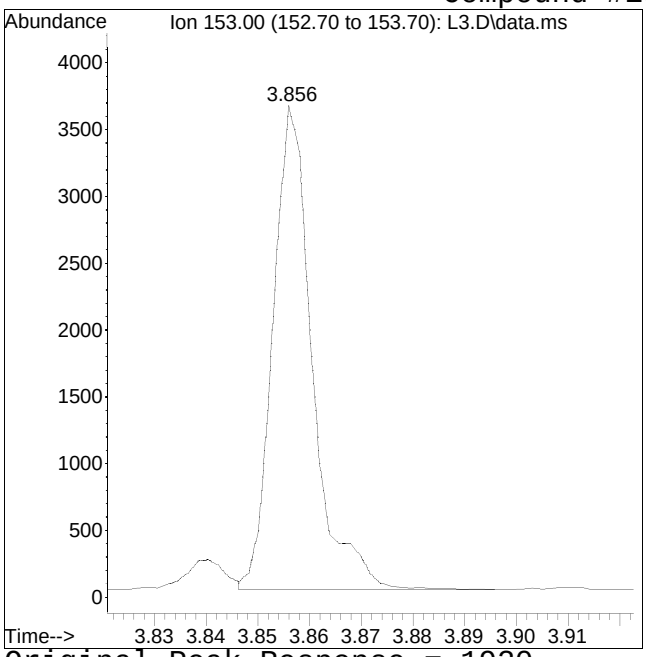


Manual Integration Report

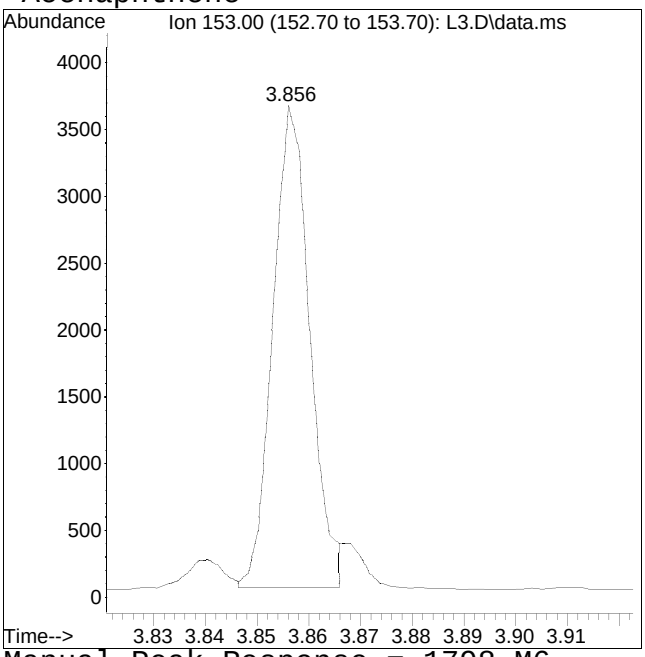
Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml

Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #18: Acenaphthene



Original Peak Response = 1920



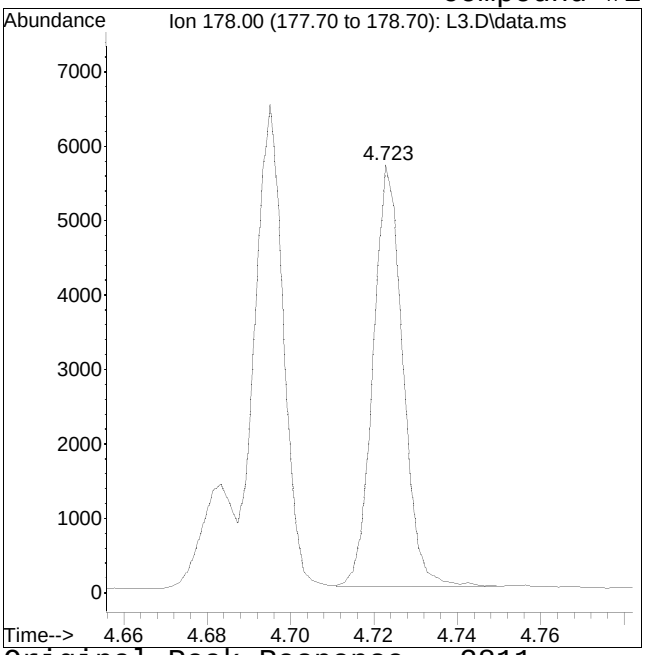
Manual Peak Response = 1798 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

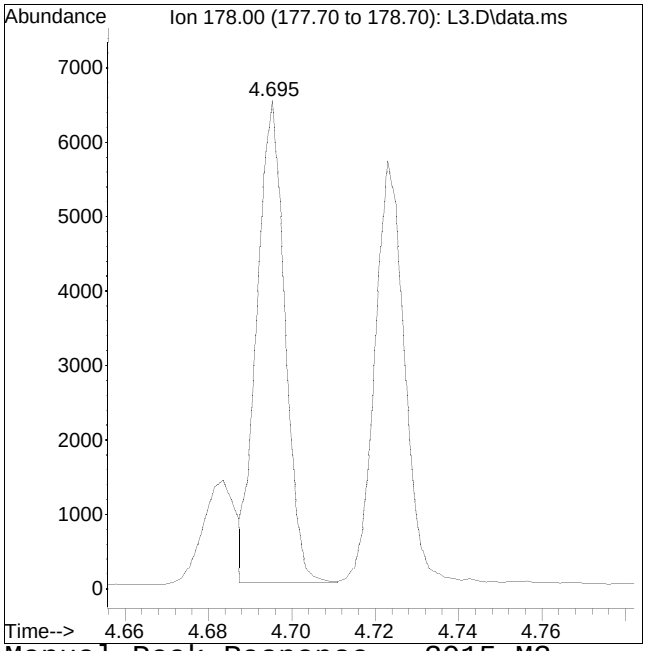
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQMethod : SIM-RVT_250203sv118.M
Data File : L3.D Operator : SV118:rp
Date Inj'd : 2/3/2025 5:46 pm Instrument : SV118
Sample : IL3,32,, #11286 5 ng/ml Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 2811



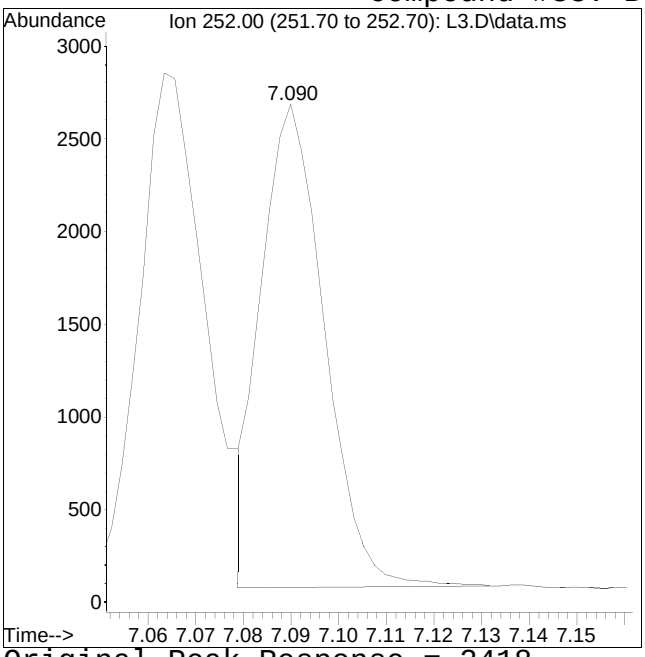
Manual Peak Response = 3015 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

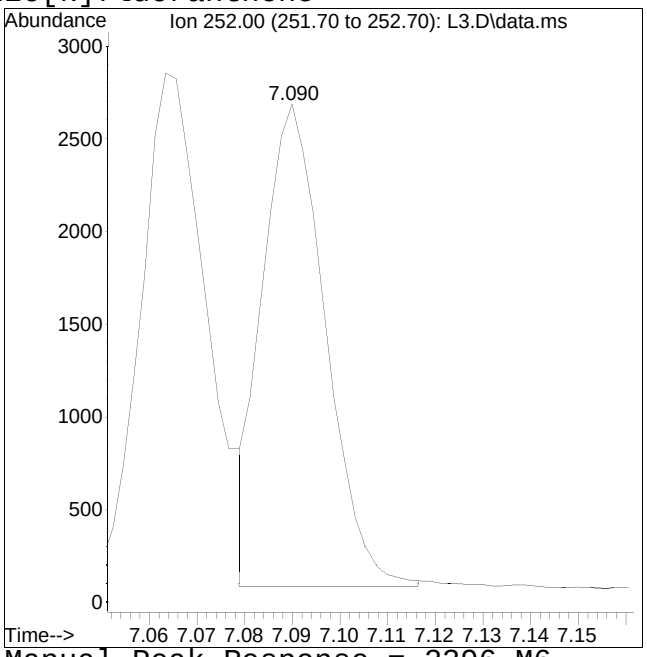
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #38: Benzo[k]fluoranthene



Original Peak Response = 2418



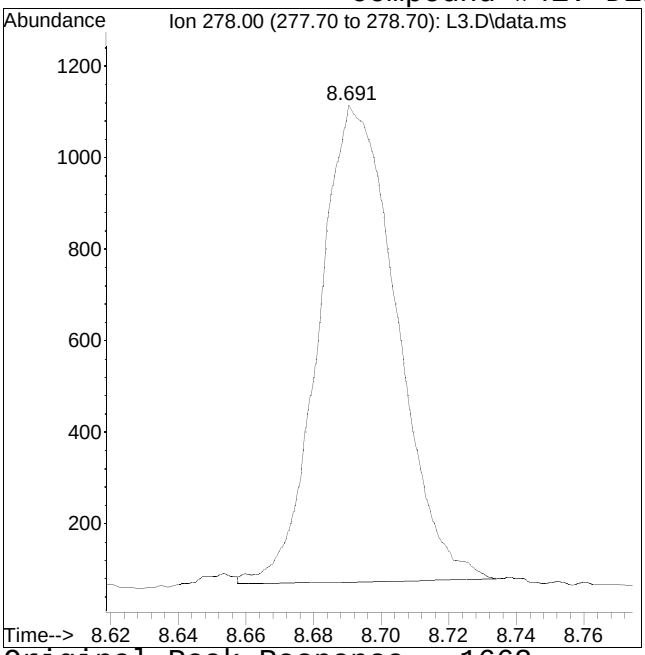
Manual Peak Response = 2396 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

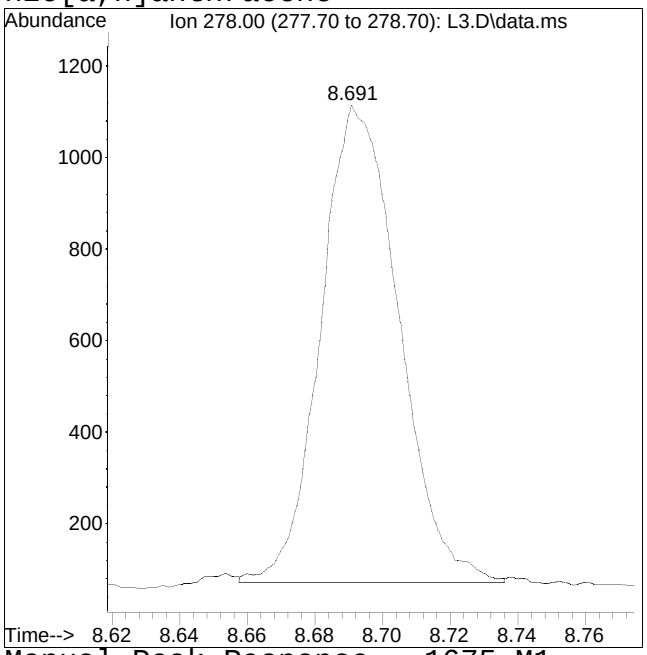
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L3.D
Date Inj'd : 2/3/2025 5:46 pm
Sample : IL3,32,, #11286 5 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 1662



Manual Peak Response = 1675 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L2.D
Acq On : 03 Feb 2025 06:03 pm
Operator : SV118:rp
Sample : IL2,32,, #11287 2 ng/ml
Misc : WG2028184,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 10:20:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:47 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	550239	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 115.99%			
8) Naphthalene-d8	2.863	136	1976420	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 112.57%			
17) Acenaphthene-d10	3.841	164	1107818	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 112.36%			
22) Phenanthrene-d10	4.685	188	2195296	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 111.51%			
31) Chrysene-d12	6.237	240	2122774	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 113.71%			
36) Perylene-d12	7.445	264	1992063	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 107.81%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.621	112	341	2.027	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
3) Phenol-d6	2.012	99	423	2.098	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
7) Nitrobenzene-d5	2.481	82	322	1.956	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.20%#			
13) 2-Fluorobiphenyl	3.462	172	985	2.276	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.23%#			
21) 2,4,6-Tribromophenol	4.288	330	93	1.815	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
30) 4-Terphenyl-d14	5.603	244	1091	2.139	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	2.873	128	1314M6	2.340	ng/ml	
10) Hexachlorobutadiene	2.945	225	204	2.029	ng/ml	92
11) 2-Methylnaphthalene	3.255	142	778	2.226	ng/ml	99
12) 1-Methylnaphthalene	3.310	142	780	2.196	ng/ml	99
14) 2-Chloronaphthalene	3.526	162	797	2.108	ng/ml	100
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.758	152	1175	2.032	ng/ml	98
18) Acenaphthene	3.858	153	874	2.216	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L2.D
Acq On : 03 Feb 2025 06:03 pm
Operator : SV118:rp
Sample : IL2,32,, #11287 2 ng/ml
Misc : WG2028184,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 10:20:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:47 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.151	166	936	2.159	ng/ml	98
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	4.468	284	318	2.187	ng/ml	97
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.697	178	1387M3	2.084	ng/ml	
27) Anthracene	4.725	178	1386	2.101	ng/ml	98
28) Fluoranthene	5.377	202	1564	2.066	ng/ml	99
29) Pyrene	5.508	202	1614	2.060	ng/ml	99
32) Benzo[a]anthracene	6.236	226	833	3.714	ng/ml#	1
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.251	228	1440	1.966	ng/ml#	99
35) Bis(2-ethylhexyl)phtha...	6.264	149	975	30.055	ng/ml	100
37) Benzo[b]fluoranthene	7.063	252	1311	1.999	ng/ml	97
38) Benzo[k]fluoranthene	7.089	252	1254	2.012	ng/ml	99
39) Benzo[a]pyrene	7.372	252	1017	1.863	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.655	276	880	1.818	ng/ml	98
41) Dibenzo[a,h]anthracene	8.694	278	832M4	1.779	ng/ml	
42) Benzo[g,h,i]perylene	8.993	276	938	1.834	ng/ml	97

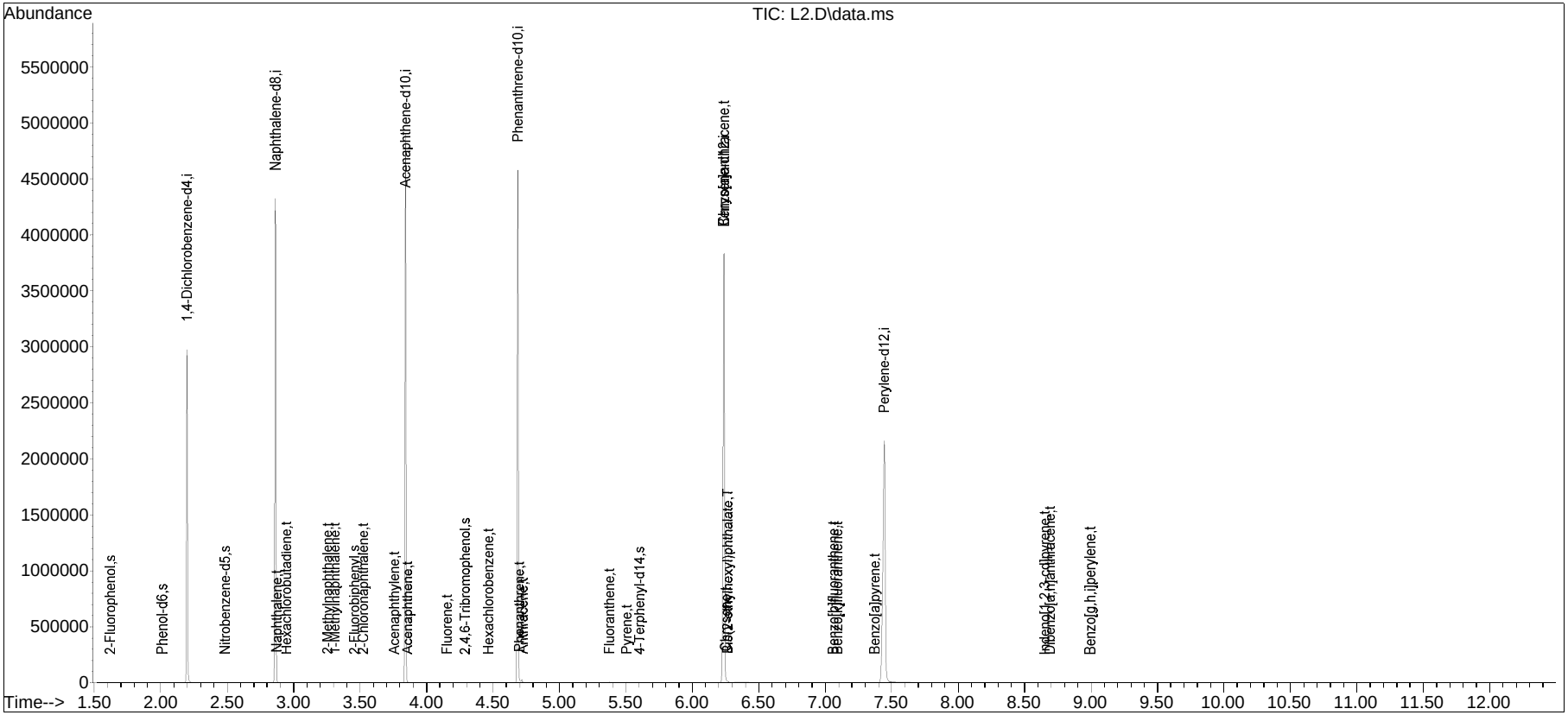
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L2.D
Acq On : 03 Feb 2025 06:03 pm
Operator : SV118:rp
Sample : IL2,32,, #11287 2 ng/ml
Misc : WG2028184,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Feb 04 10:20:11 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:47 2025
Response via : Initial Calibration

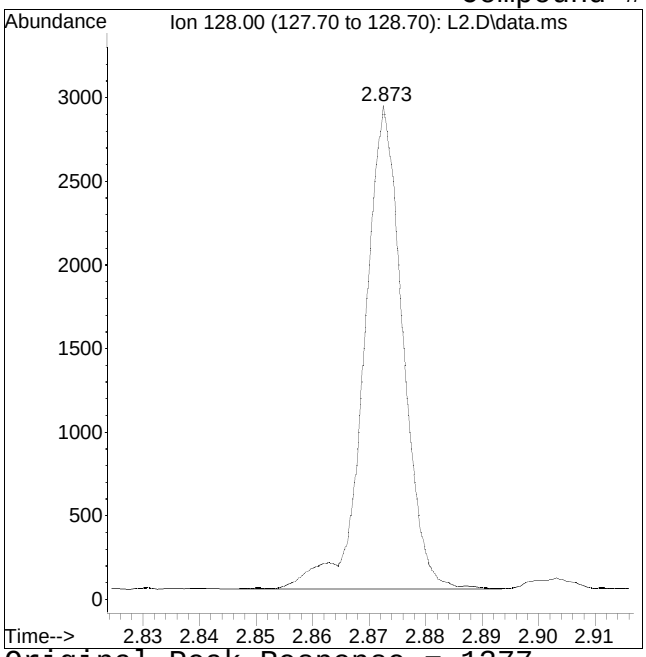
Sub List : Default - All compounds listedical\L8.D•



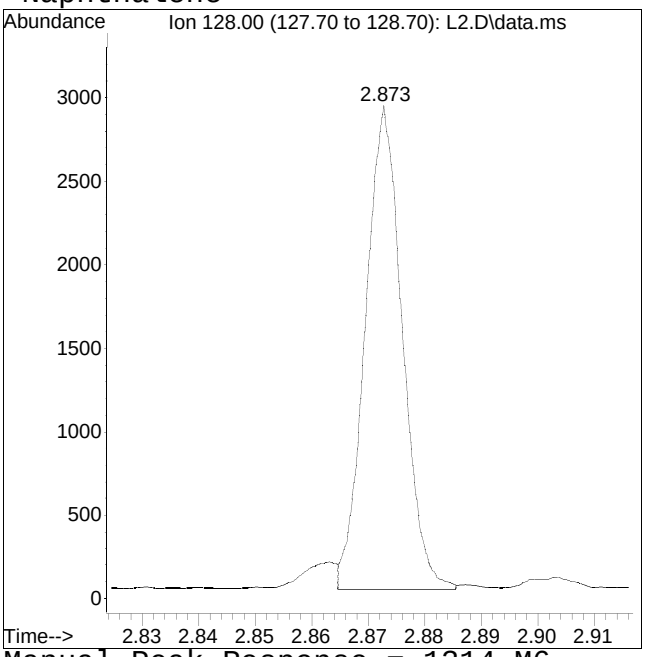
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L2.D
Date Inj'd : 2/3/2025 6:03 pm
Sample : IL2,32,, #11287 2 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #9: Naphthalene



Original Peak Response = 1377



Manual Peak Response = 1314 M6

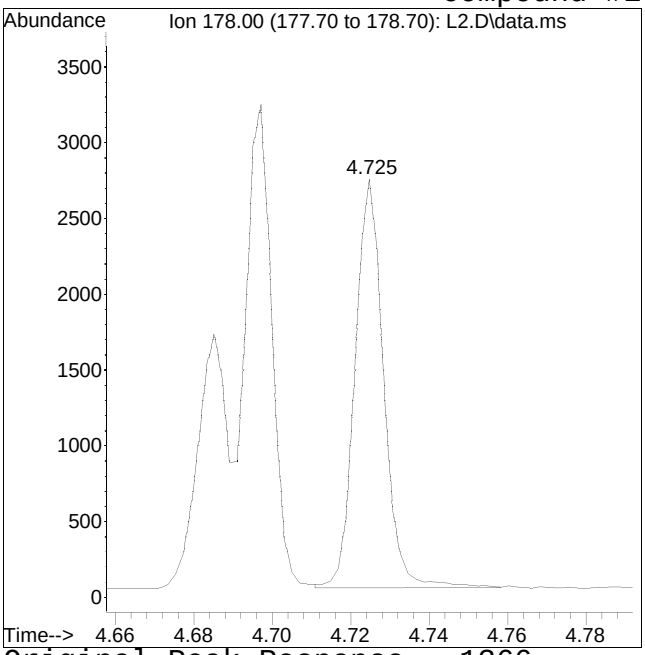
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

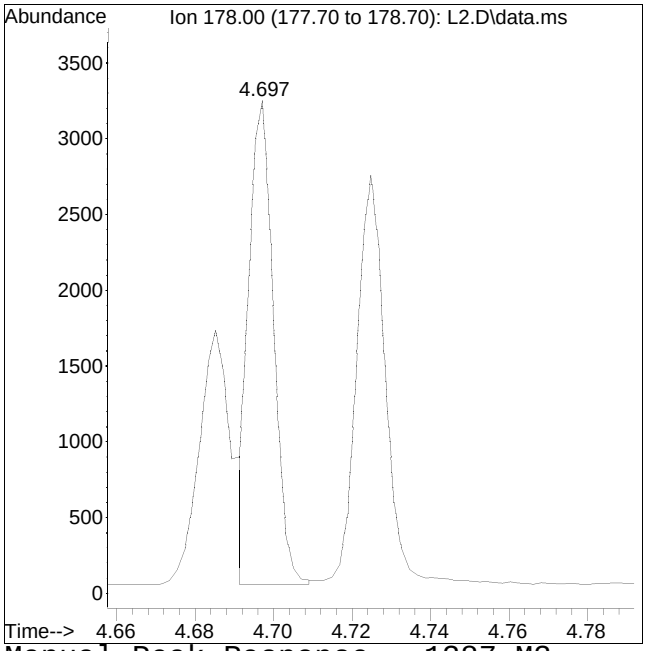
Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L2.D
Date Inj'd : 2/3/2025 6:03 pm
Sample : IL2,32,, #11287 2 ng/ml

Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 1366



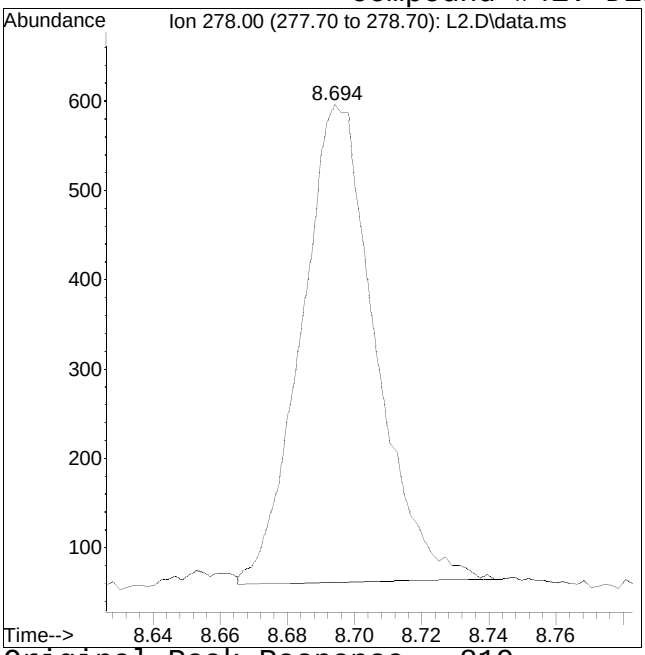
Manual Peak Response = 1387 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

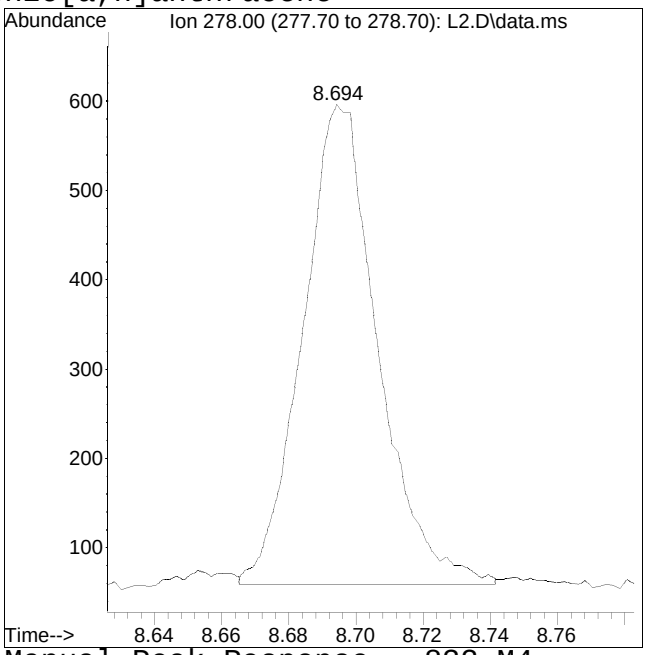
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L2.D
Date Inj'd : 2/3/2025 6:03 pm
Sample : IL2,32,, #11287 2 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 819



Manual Peak Response = 832 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L1.D
Acq On : 03 Feb 2025 06:20 pm
Operator : SV118:rp
Sample : IL1,32,, #11288 1 ng/ml
Misc : WG2028184,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 10:18:22 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:37 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	469241	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 98.91%			
8) Naphthalene-d8	2.863	136	1685425	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 96.00%			
17) Acenaphthene-d10	3.841	164	931339	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 94.46%			
22) Phenanthrene-d10	4.686	188	1832132	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 93.07%			
31) Chrysene-d12	6.237	240	1793001	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 96.04%			
36) Perylene-d12	7.446	264	1697473	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 91.87%			
System Monitoring Compounds						
2) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
3) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
7) Nitrobenzene-d5	2.481	82	144	1.026	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
13) 2-Fluorobiphenyl	3.462	172	396	1.073	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
21) 2,4,6-Tribromophenol	4.286	330	43	0.998	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.05%#			
30) 4-Terphenyl-d14	5.604	244	482	1.132	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
5) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
9) Naphthalene	0.000		0	N.D.	d	
10) Hexachlorobutadiene	0.000		0	N.D.	d	
11) 2-Methylnaphthalene	0.000		0	N.D.	d	
12) 1-Methylnaphthalene	0.000		0	N.D.	d	
14) 2-Chloronaphthalene	0.000		0	N.D.	d	
15) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
16) Acenaphthylene	3.757	152	477	0.968	ng/ml	100
18) Acenaphthene	3.859	153	375	1.131	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L1.D
Acq On : 03 Feb 2025 06:20 pm
Operator : SV118:rp
Sample : IL1,32,, #11288 1 ng/ml
Misc : WG2028184,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 10:18:22 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:37 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
20) Fluorene	4.149	166	379	1.040	ng/ml	97
23) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
24) Hexachlorobenzene	0.000		0	N.D.	d	
25) Pentachlorophenol	0.000		0	N.D.	d	
26) Phenanthrene	4.698	178	596M6	1.073	ng/ml	
27) Anthracene	4.725	178	583	1.059	ng/ml	98
28) Fluoranthene	5.380	202	692	1.095	ng/ml	100
29) Pyrene	5.506	202	710	1.086	ng/ml	99
32) Benzo[a]anthracene	6.236	226	549	2.898	ng/ml#	1
33) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
34) Chrysene	6.250	228	623	1.007	ng/ml#	98
35) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
37) Benzo[b]fluoranthene	7.068	252	568	1.016	ng/ml	96
38) Benzo[k]fluoranthene	7.093	252	498	0.938	ng/ml	96
39) Benzo[a]pyrene	7.376	252	440	0.946	ng/ml	97
40) Indeno[1,2,3-cd]pyrene	8.660	276	401	0.972	ng/ml	99
41) Dibenzo[a,h]anthracene	8.697	278	376	0.944	ng/ml	98
42) Benzo[g,h,i]perylene	8.996	276	439	1.007	ng/ml	100

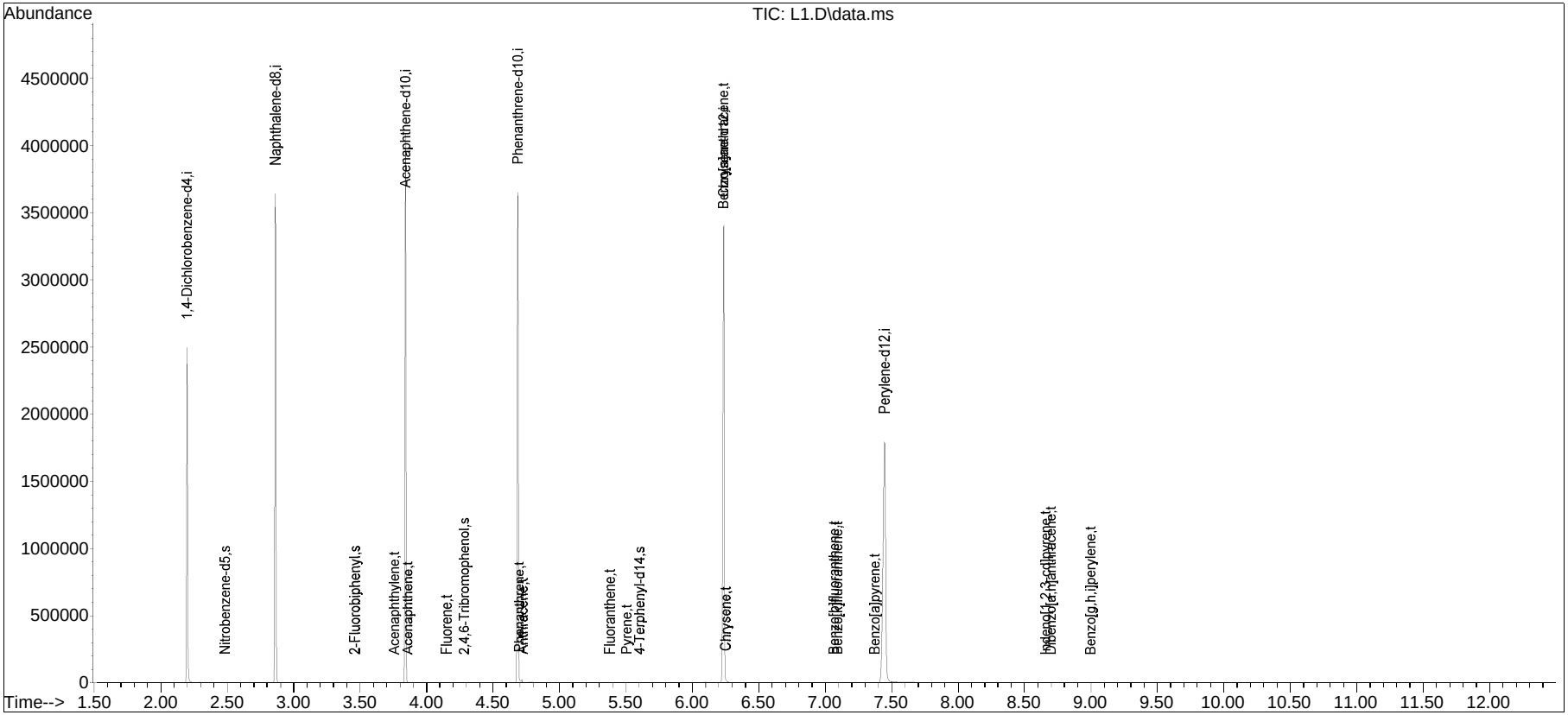
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : L1.D
Acq On : 03 Feb 2025 06:20 pm
Operator : SV118:rp
Sample : IL1,32,, #11288 1 ng/ml
Misc : WG2028184,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Feb 04 10:18:22 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Feb 04 10:15:37 2025
Response via : Initial Calibration

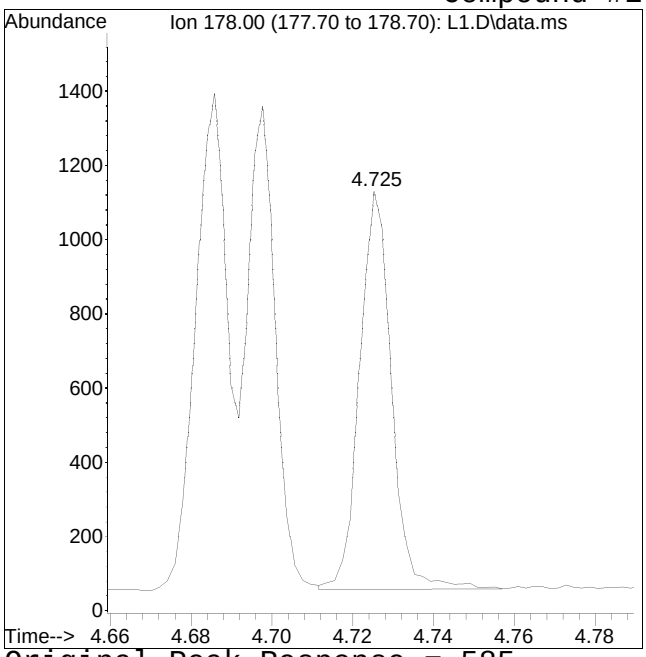
Sub List : Default - All compounds listedical\L8.D•



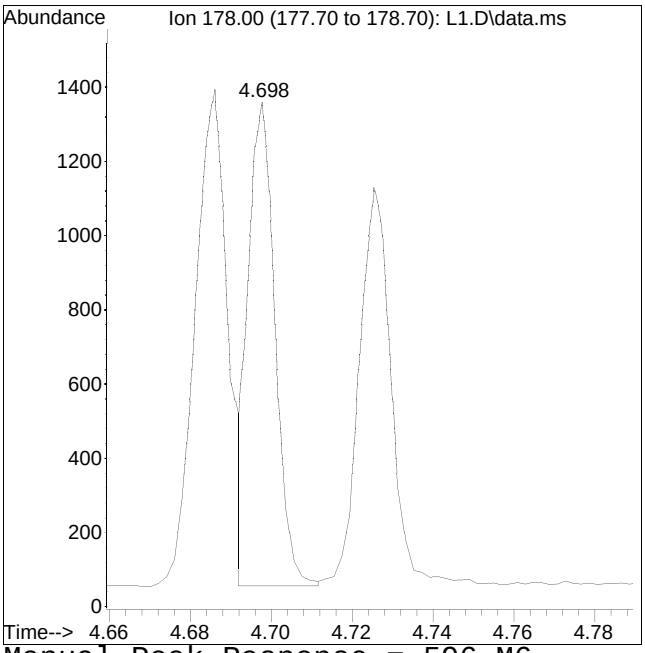
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : L1.D
Date Inj'd : 2/3/2025 6:20 pm
Sample : IL1,32,, #11288 1 ng/ml
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/4/2025 10:15 am

Compound #26: Phenanthrene



Original Peak Response = 585



Manual Peak Response = 596 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:31:33 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Feb 07 14:32:41 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
2	s	2-Fluorophenol	1.223	1.171	4.3	90	0.00
3	s	Phenol-d6	1.466	1.386	5.5	89	0.00
4	T	Bis(2-chloroethyl)ether	1.301	1.233	5.2	92	0.00
5	T	n-nitrosodi-n-propylamine	0.835	0.832	0.4	89	0.00
6	t	Hexachloroethane	0.544	0.530	2.6	92	0.00
7	s	Nitrobenzene-d5	1.197	1.210	-1.1	91	0.00
8	i	Naphthalene-d8	1.000	1.000	0.0	95	0.00
9	t	Naphthalene	1.137	1.056	7.1	91	0.00
10	t	Hexachlorobutadiene	0.204	0.192	5.9	90	0.00
11	t	2-Methylnaphthalene	0.707	0.678	4.1	92	0.00
12	t	1-Methylnaphthalene	0.719	0.695	3.3	93	0.00
13	s	2-Fluorobiphenyl	0.876	0.842	3.9	95	0.00
14	t	2-Chloronaphthalene	0.765	0.737	3.7	92	0.00
15	t	2,6-Dinitrotoluene	0.170	0.171	-0.6	88	0.00
16	t	Acenaphthylene	1.170	1.224	-4.6	94	0.00
17	i	Acenaphthene-d10	1.000	1.000	0.0	96	0.00
18	t	Acenaphthene	1.424	1.335	6.2	92	0.00
19	t	2,4-Dinitrotoluene	0.411	0.411	0.0	87	0.00
20	t	Fluorene	1.566	1.532	2.2	93	0.00
21	s	2,4,6-Tribromophenol	0.185	0.197	-6.5	89	0.00
22	i	Phenanthrene-d10	1.000	1.000	0.0	95	0.00
23	T	4,6-Dinitro-o-cresol	*1000.000	843.477	15.7	86	0.00
24	t	Hexachlorobenzene	0.265	0.252	4.9	92	0.00
25	t	Pentachlorophenol	*1000.000	964.113	3.6	88	0.00
26	t	Phenanthrene	1.211	1.145	5.5	92	0.00
27	t	Anthracene	1.202	1.188	1.2	93	0.00
28	t	Fluoranthene	1.379	1.343	2.6	92	0.00
29	t	Pyrene	1.427	1.410	1.2	92	0.00
30	s	4-Terphenyl-d14	0.929	0.918	1.2	96	0.00
31	i	Chrysene-d12	1.000	1.000	0.0	95	0.00
32	t	Benzo[a]anthracene	0.423	0.387	8.5	90	0.00
33	t	3,3'-Dichlorobenzidine	0.534	0.541	-1.3	89	0.00
34	t	Chrysene	1.380	1.318	4.5	91	0.00
35	T	Bis(2-ethylhexyl)phthalate	*1000.000	873.437	12.7	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 07 14:31:33 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Feb 07 14:32:41 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	i	Perylene-d12	1.000	1.000	0.0	95	0.00
37	t	Benzo[b]fluoranthene	1.316	1.279	2.8	90	0.00
38	t	Benzo[k]fluoranthene	1.252	1.326	-5.9	94	0.00
39	t	Benzo[a]pyrene	1.095	1.179	-7.7	93	0.00
40	t	Indeno[1,2,3-cd]pyrene	0.971	1.003	-3.3	90	0.00
41	t	Dibenzo[a,h]anthracene	0.937	0.994	-6.1	89	0.01
42	t	Benzo[g,h,i]perylene	1.026	1.027	-0.1	88	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 09:30:47 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Feb 10 09:31:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.200	152	449560	4000.000	ng/ml	0.00
Standard Area 1 = 474400			Recovery = 94.76%			
8) Naphthalene-d8	2.863	136	1669889	4000.000	ng/ml	0.00
Standard Area 1 = 1755733			Recovery = 95.11%			
17) Acenaphthene-d10	3.843	164	948422	4000.000	ng/ml	0.00
Standard Area 1 = 985911			Recovery = 96.20%			
22) Phenanthrene-d10	4.688	188	1875760	4000.000	ng/ml	0.00
Standard Area 1 = 1968639			Recovery = 95.28%			
31) Chrysene-d12	6.240	240	1781042	4000.000	ng/ml	0.00
Standard Area 1 = 1866853			Recovery = 95.40%			
36) Perylene-d12	7.446	264	1753630	4000.000	ng/ml	0.00
Standard Area 1 = 1847760			Recovery = 94.91%			
System Monitoring Compounds						
2) 2-Fluorophenol	1.620	112	131626	957.494	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.87%			
3) Phenol-d6	2.012	99	155721	945.392	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.27%			
7) Nitrobenzene-d5	2.480	82	135999	1011.118	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 101.11%			
13) 2-Fluorobiphenyl	3.462	172	351710	961.847	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.18%			
21) 2,4,6-Tribromophenol	4.288	330	46793	1066.565	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.33%			
30) 4-Terphenyl-d14	5.606	244	430348	987.608	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.76%			
Target Compounds						Qvalue
4) Bis(2-chloroethyl)ether	2.067	93	138533	947.214	ng/ml	100
5) n-nitrosodi-n-propylamine	2.403	70	93548	997.391	ng/ml	99
6) Hexachloroethane	2.457	117	59528	973.050	ng/ml	100
9) Naphthalene	2.873	128	440957	929.305	ng/ml	100
10) Hexachlorobutadiene	2.947	225	80293	944.995	ng/ml	100
11) 2-Methylnaphthalene	3.255	142	283062	958.712	ng/ml	100
12) 1-Methylnaphthalene	3.310	142	290156	966.941	ng/ml	100
14) 2-Chloronaphthalene	3.527	162	307878	963.775	ng/ml	100
15) 2,6-Dinitrotoluene	3.724	165	71414	1003.362	ng/ml	99
16) Acenaphthylene	3.761	152	510855	1045.833	ng/ml	100
18) Acenaphthene	3.861	153	316552	937.574	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 09:30:47 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Feb 10 09:31:55 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\SV118\250203RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) 2,4-Dinitrotoluene	3.951	165	97432	999.493	ng/ml	97
20) Fluorene	4.152	166	363147	978.275	ng/ml	100
23) 4,6-Dinitro-o-cresol	4.183	198	49821	843.477	ng/ml	99
24) Hexachlorobenzene	4.471	284	118374	952.846	ng/ml	100
25) Pentachlorophenol	4.583	266	61333	964.113	ng/ml	100
26) Phenanthrene	4.700	178	536900	945.389	ng/ml	100
27) Anthracene	4.727	178	557215	988.524	ng/ml	100
28) Fluoranthene	5.380	202	629910	973.881	ng/ml	99
29) Pyrene	5.510	202	661209	987.810	ng/ml	99
32) Benzo[a]anthracene	6.231	226	172280	915.459	ng/ml#	99
33) 3,3'-Dichlorobenzidine	6.219	252	241044	1013.157	ng/ml	100
34) Chrysene	6.254	228	586733	954.855	ng/ml#	100
35) Bis(2-ethylhexyl)phtha...	6.267	149	367276	873.437	ng/ml	100
37) Benzo[b]fluoranthene	7.073	252	560896	972.063	ng/ml	98
38) Benzo[k]fluoranthene	7.095	252	581465	1059.096	ng/ml	98
39) Benzo[a]pyrene	7.380	252	516672	1076.077	ng/ml	100
40) Indeno[1,2,3-cd]pyrene	8.660	276	439757	1033.228	ng/ml	100
41) Dibenzo[a,h]anthracene	8.703	278	435769M6	1060.539	ng/ml	
42) Benzo[g,h,i]perylene	9.003	276	450098	1000.819	ng/ml	100

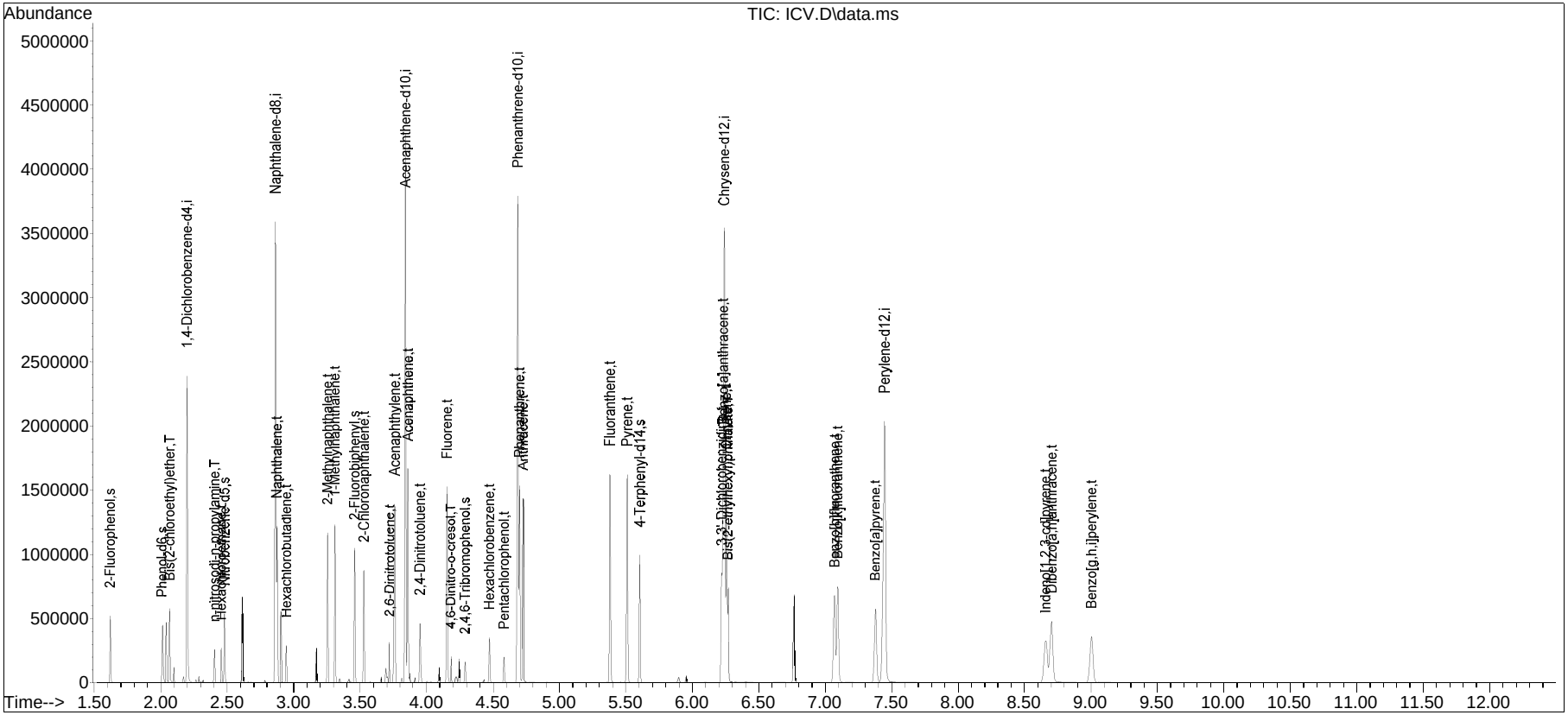
(#) = qualifier out of range (m) = manual integration (+) = signals summed

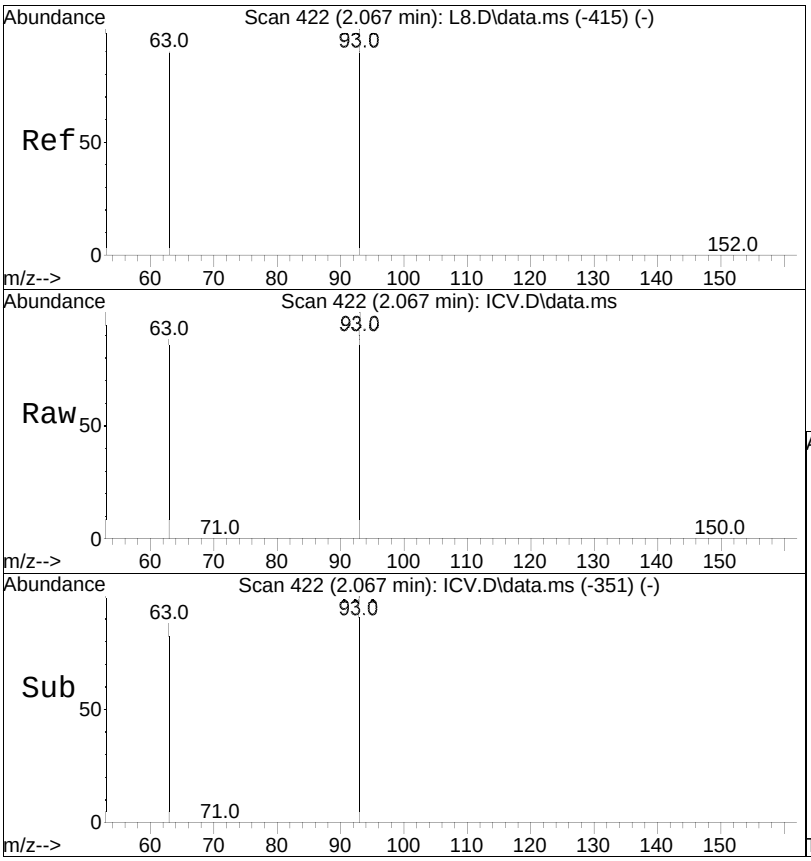
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250203RVTical\
Data File : ICV.D
Acq On : 03 Feb 2025 06:37 pm
Operator : SV118:rp
Sample : CQICV,32,, #11275 1000 ng/ml
Misc : WG2028184,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Feb 10 09:30:47 2025
Quant Method : I:\8270SIM\SV118\250203RVTical\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Feb 10 09:31:55 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

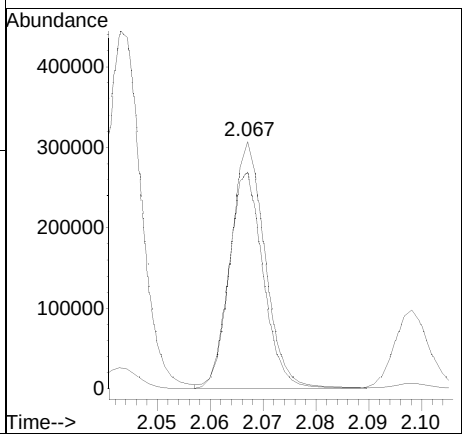


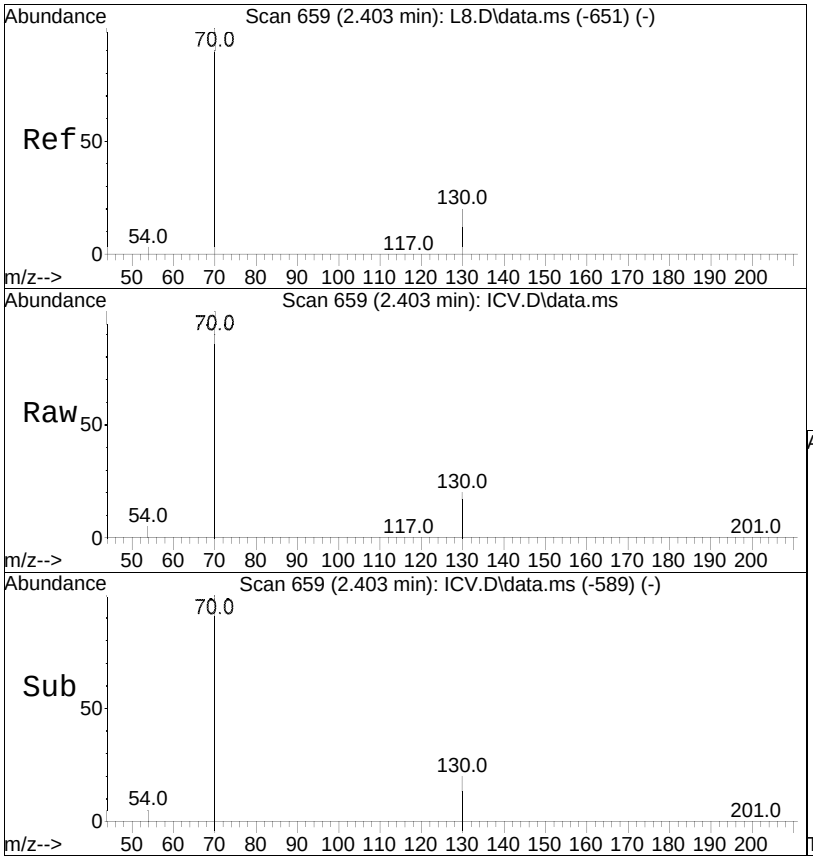


#4
Bis(2-chloroethyl)ether
Concen: 947.21 ng/ml
RT: 2.067 min Scan# 422
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion: 93 Resp: 138533

Ion	Ratio	Lower	Upper
93	100		
63	87.7	70.2	105.4

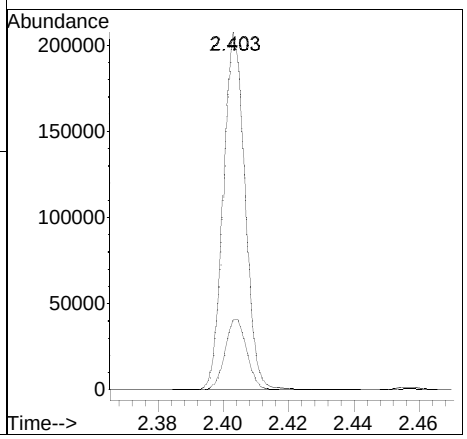


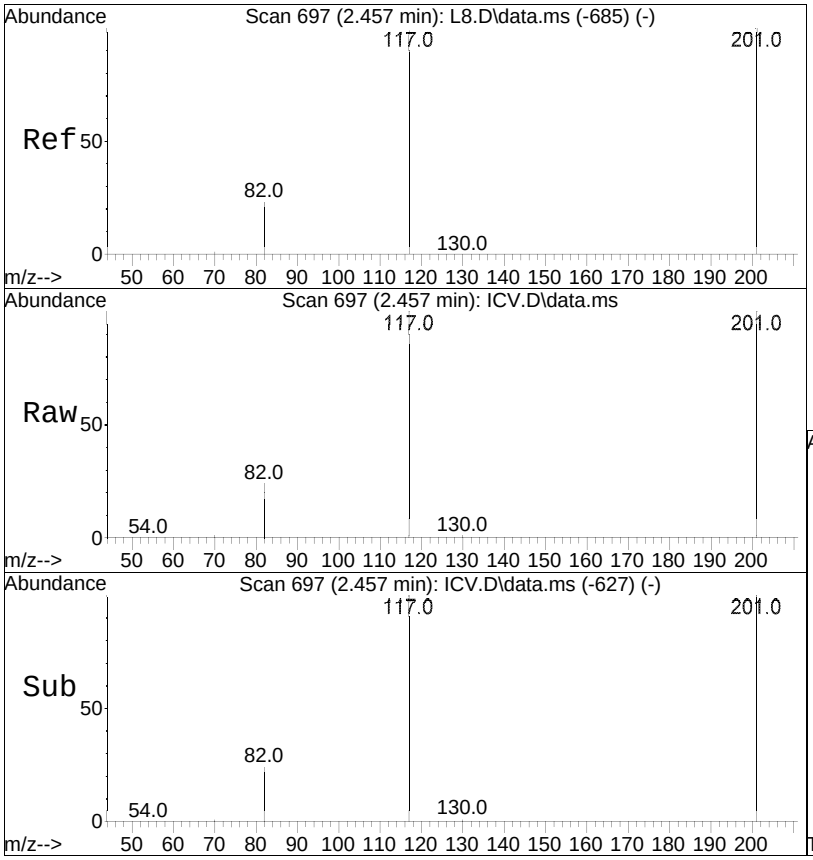


#5
n-nitrosodi-n-propylamine
Concen: 997.39 ng/ml
RT: 2.403 min Scan# 659
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion: 70 Resp: 93548

Ion	Ratio	Lower	Upper
70	100		
130	19.9	16.2	24.4

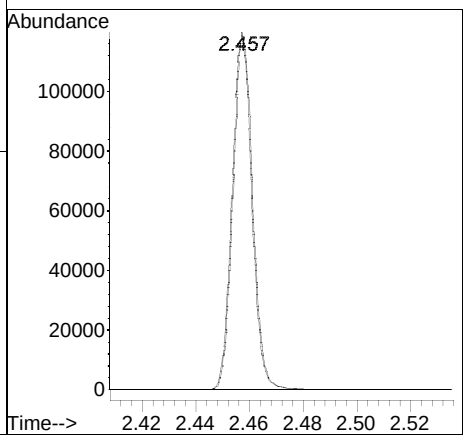


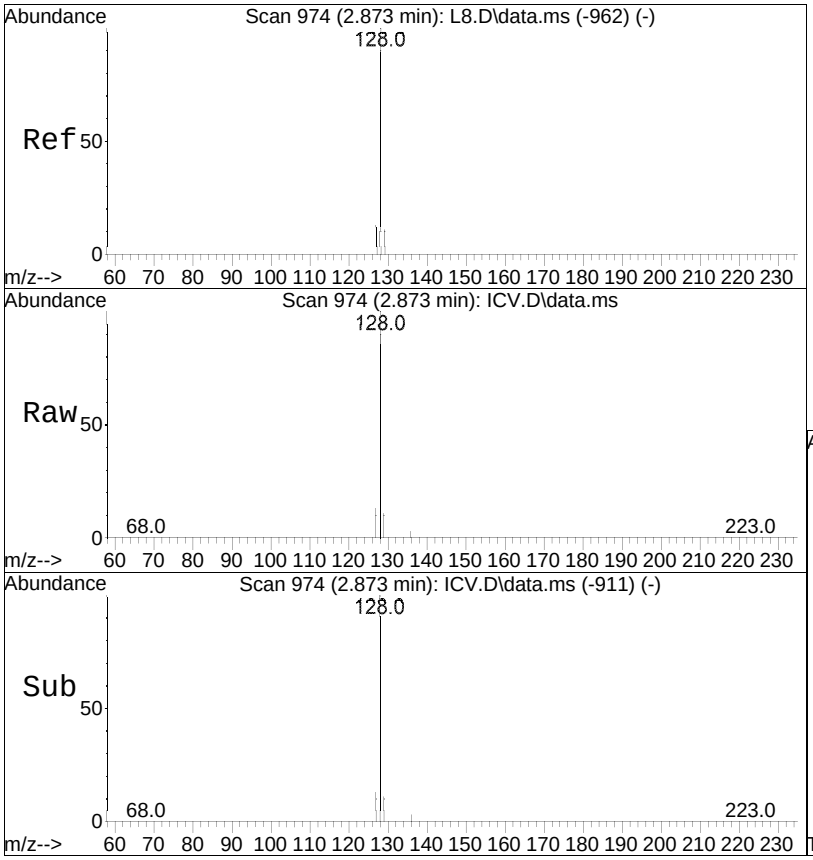


#6
Hexachloroethane
Concen: 973.05 ng/ml
RT: 2.457 min Scan# 697
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:117 Resp: 59528

Ion	Ratio	Lower	Upper
117	100		
201	100.3	80.5	120.7

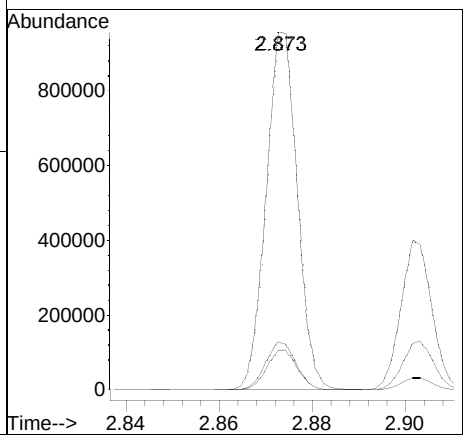


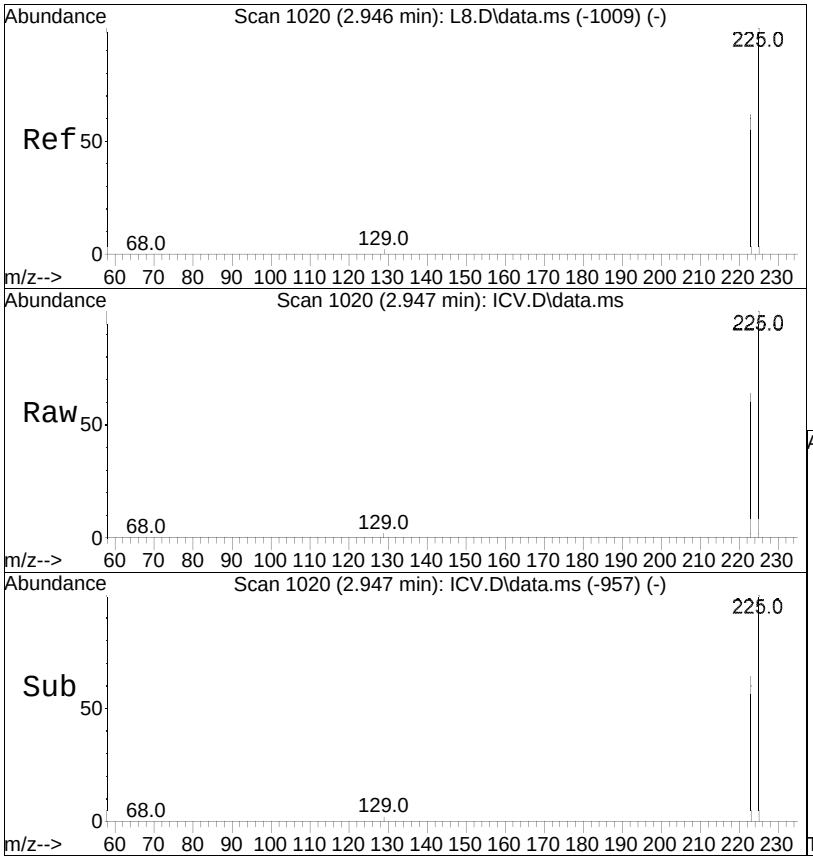


#9
Naphthalene
Concen: 929.30 ng/ml
RT: 2.873 min Scan# 974
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:128 Resp: 440957

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.2	10.6	15.8

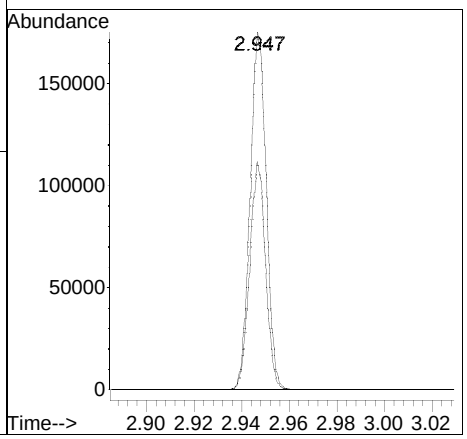


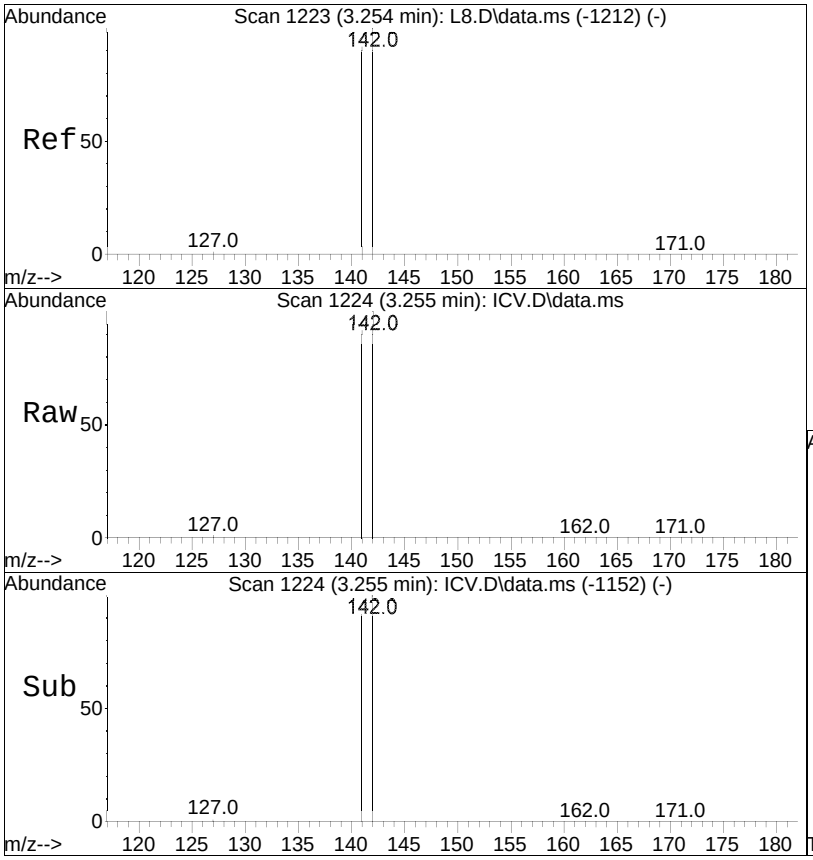


#10
Hexachlorobutadiene
Concen: 945.00 ng/ml
RT: 2.947 min Scan# 1020
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:225 Resp: 80293

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2

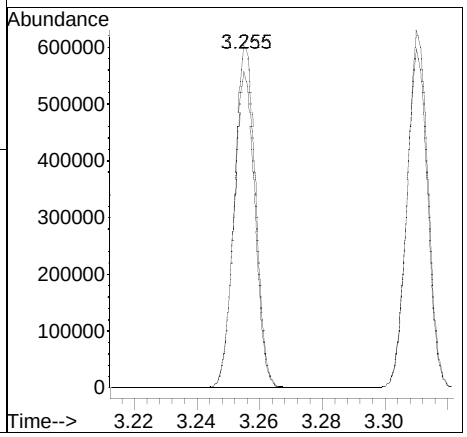


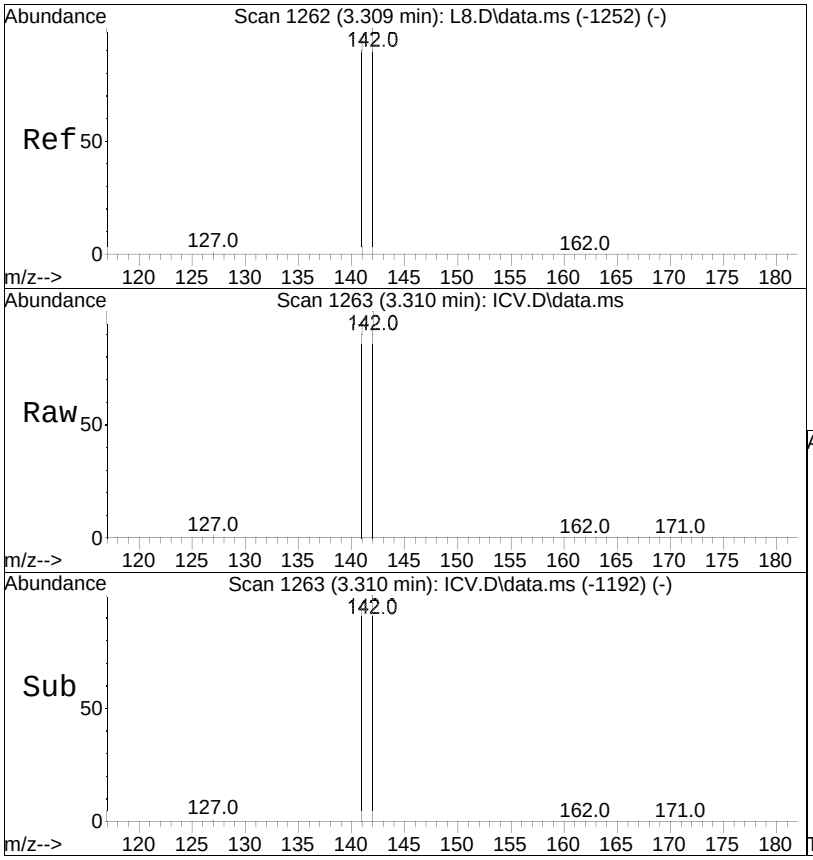


#11
2-Methylnaphthalene
Concen: 958.71 ng/ml
RT: 3.255 min Scan# 1224
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:142 Resp: 283062

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.4	110.2

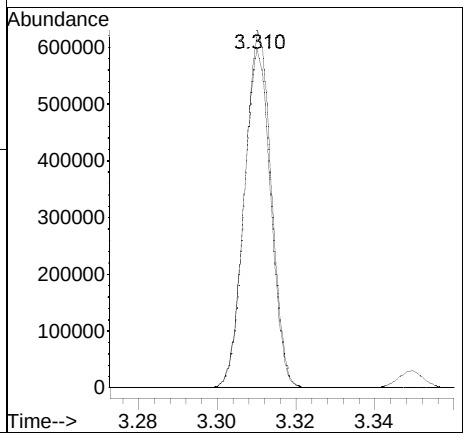


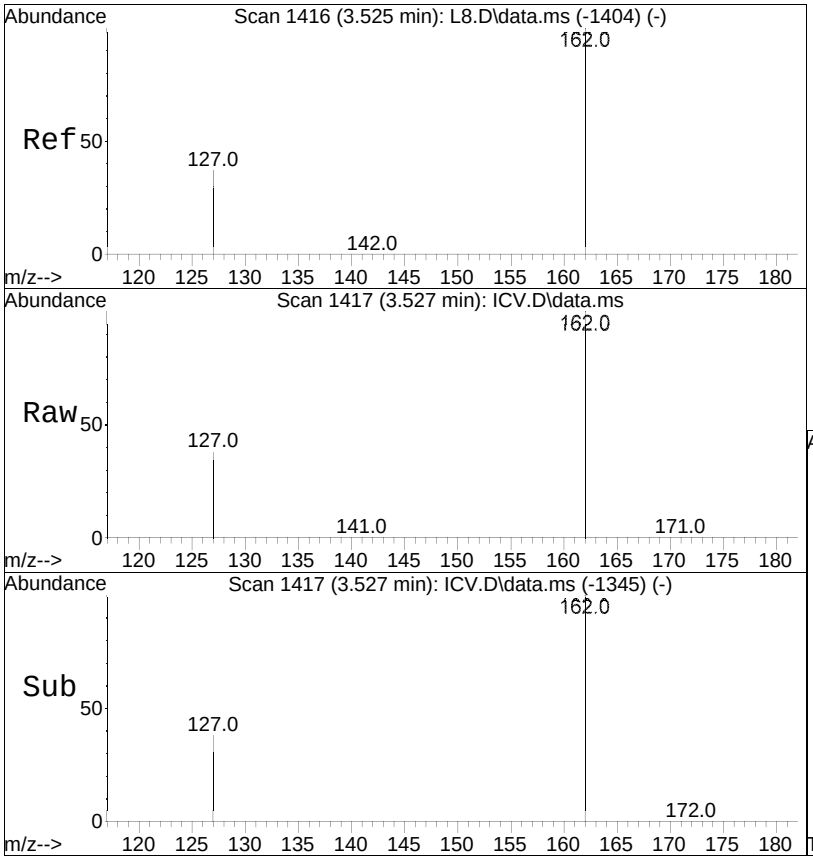


#12
1-Methylnaphthalene
Concen: 966.94 ng/ml
RT: 3.310 min Scan# 1263
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:142 Resp: 290156

Ion	Ratio	Lower	Upper
142	100		
141	94.8	76.0	114.0

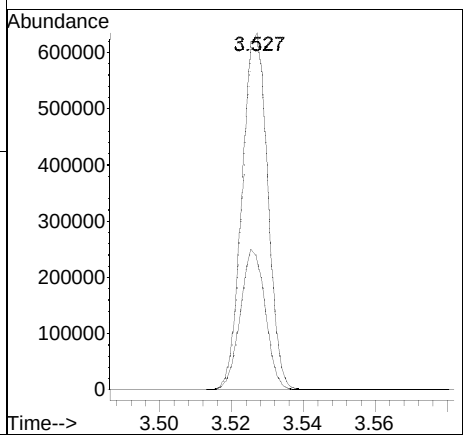


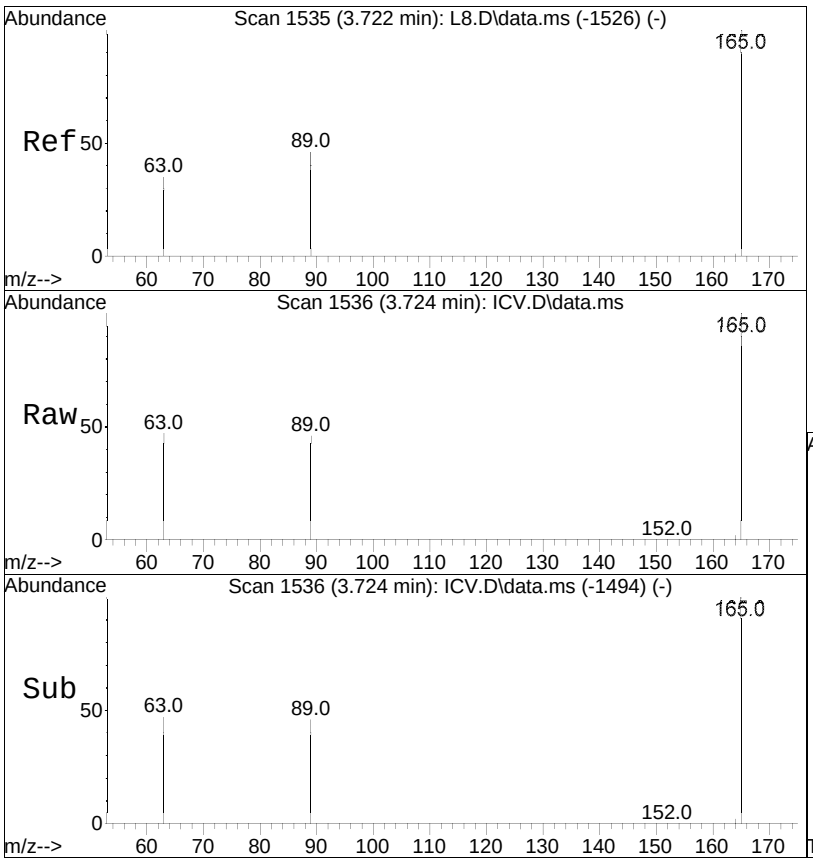


#14
2-Chloronaphthalene
Concen: 963.78 ng/ml
RT: 3.527 min Scan# 1417
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:162 Resp: 307878

Ion	Ratio	Lower	Upper
162	100		
127	38.8	31.0	46.6

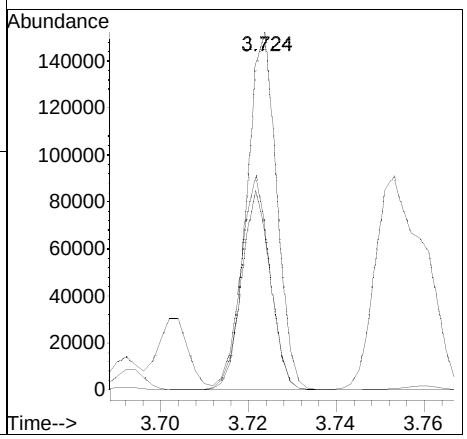


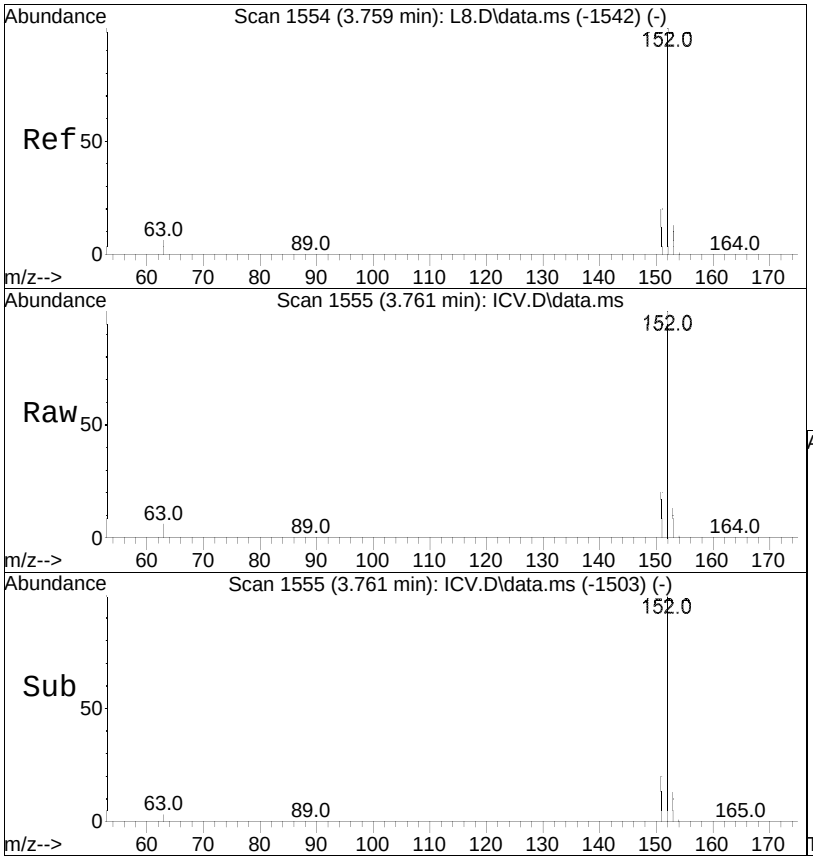


#15
2,6-Dinitrotoluene
Concen: 1003.36 ng/ml
RT: 3.724 min Scan# 1536
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:165 Resp: 71414

Ion	Ratio	Lower	Upper
165	100		
89	54.7	43.2	64.8
63	58.5	46.4	69.6

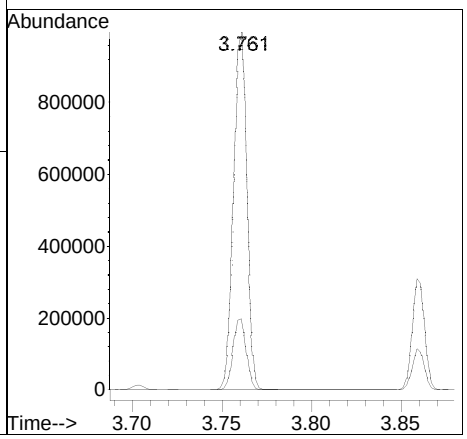


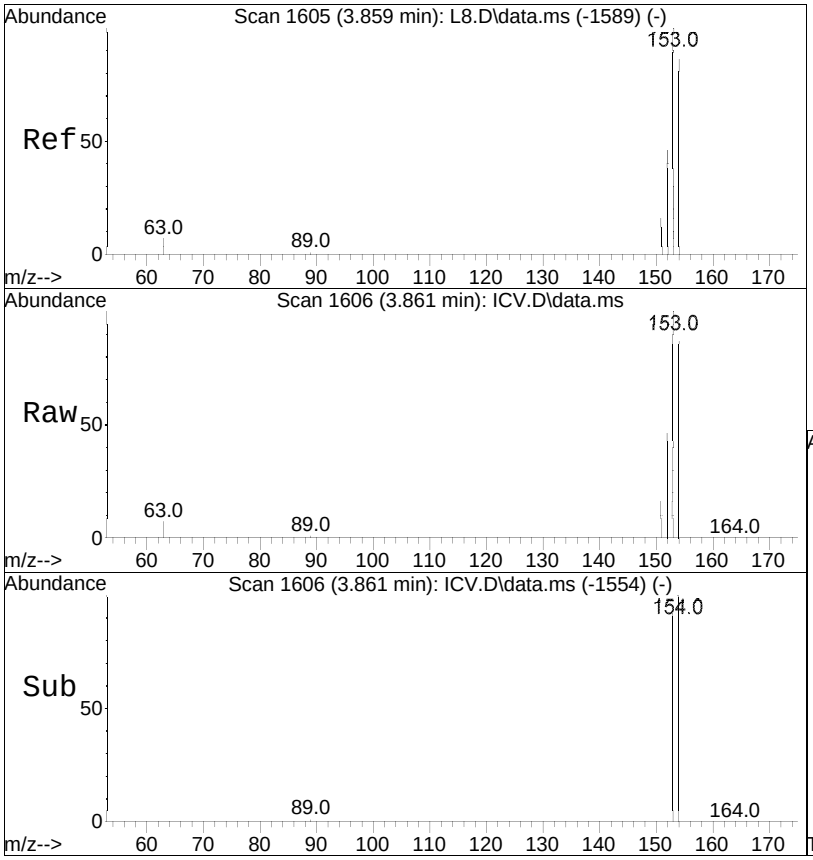


#16
Acenaphthylene
Concen: 1045.83 ng/ml
RT: 3.761 min Scan# 1555
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:152 Resp: 510855

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0

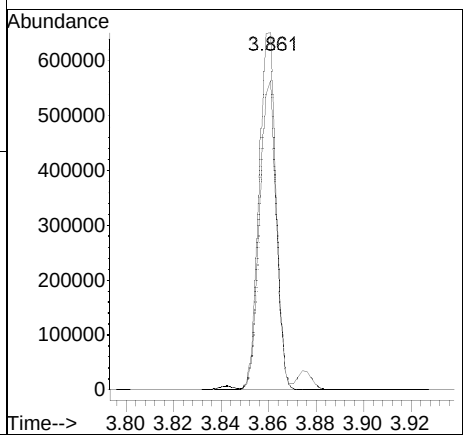


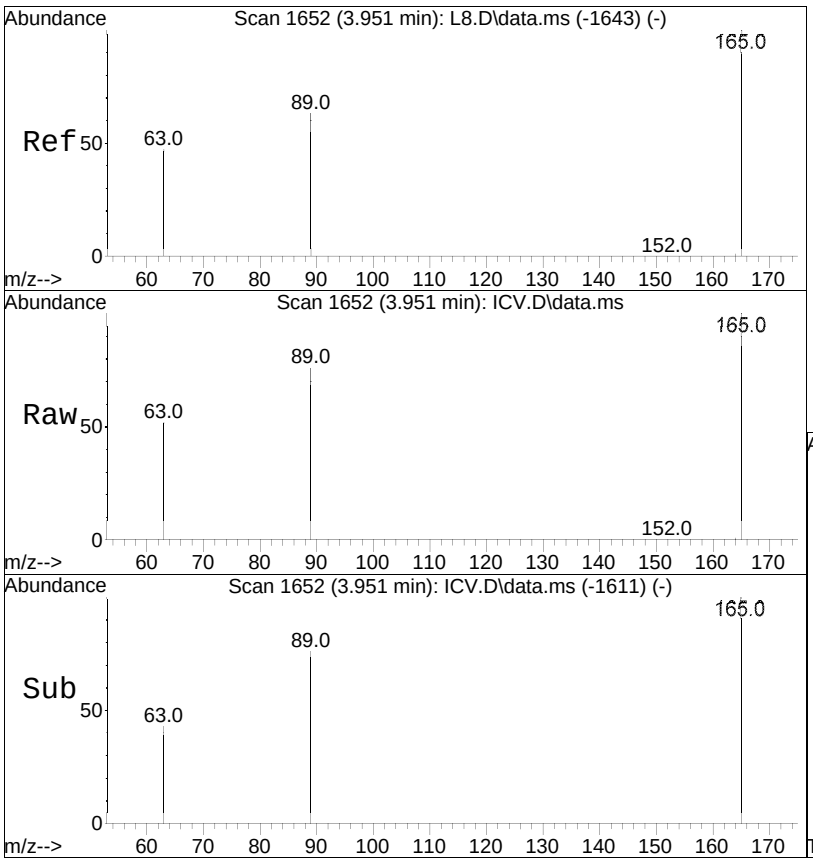


#18
Acenaphthene
Concen: 937.57 ng/ml
RT: 3.861 min Scan# 1606
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:153 Resp: 316552

Ion	Ratio	Lower	Upper
153	100		
154	84.9	67.9	101.9

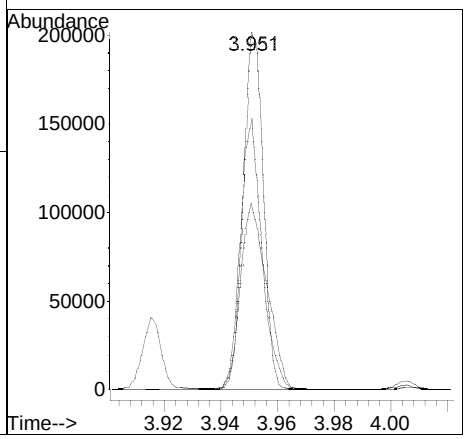


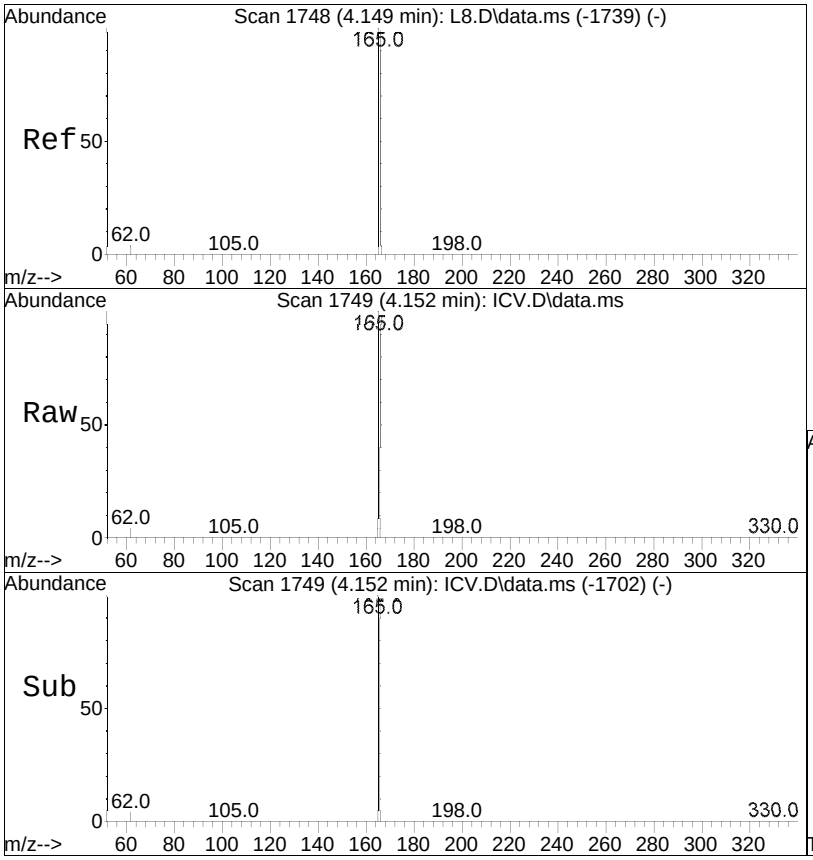


#19
2,4-Dinitrotoluene
Concen: 999.49 ng/ml
RT: 3.951 min Scan# 1652
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:165 Resp: 97432

Ion	Ratio	Lower	Upper
165	100		
89	82.1	63.9	95.9
63	69.0	53.0	79.6

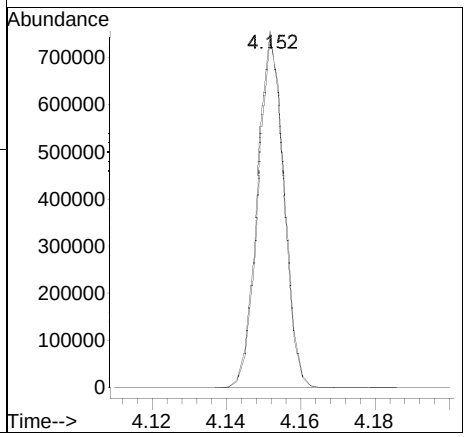


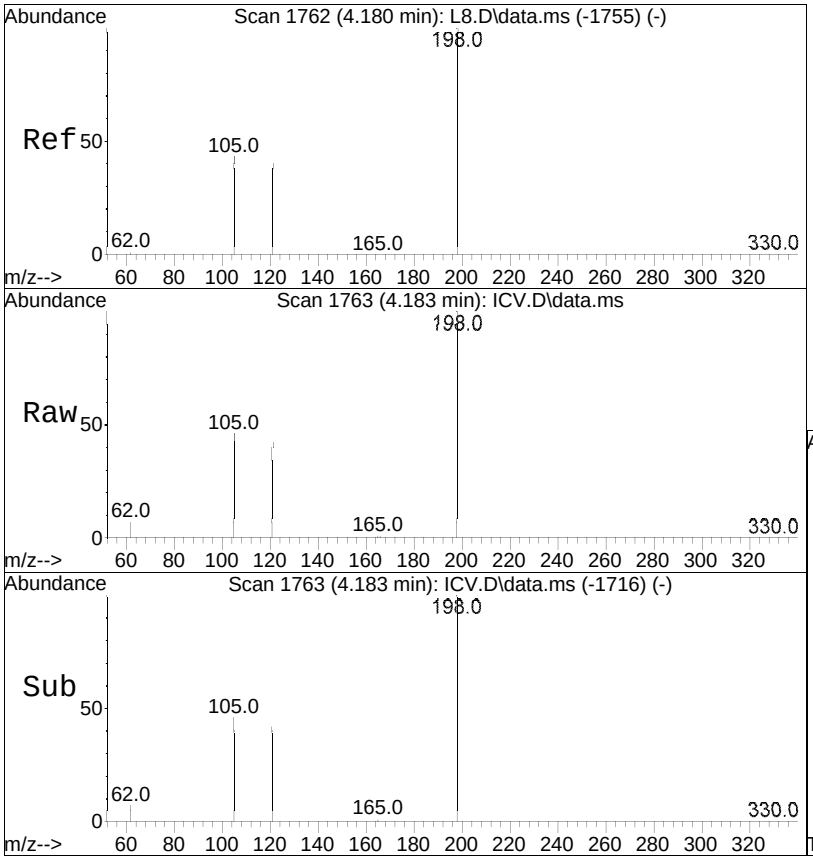


#20
Fluorene
Concen: 978.28 ng/ml
RT: 4.152 min Scan# 1749
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:166 Resp: 363147

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.3	121.9

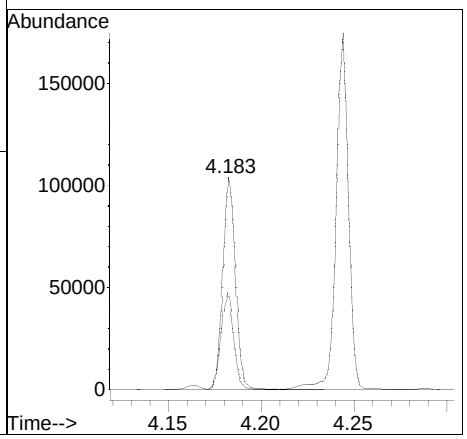


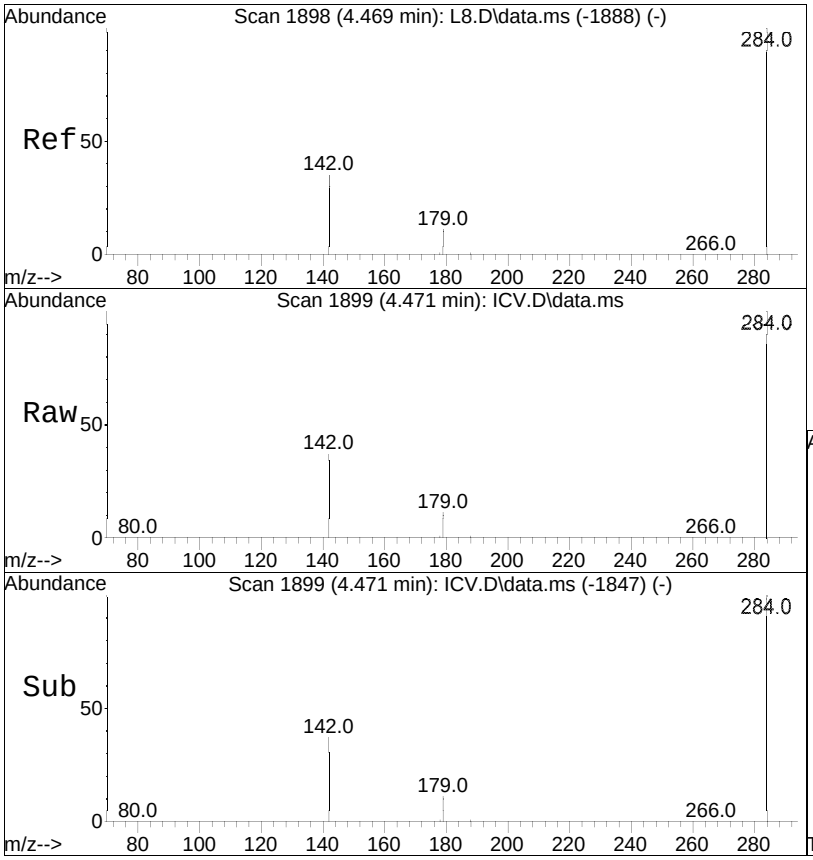


#23
4,6-Dinitro-o-cresol
Concen: 843.48 ng/ml
RT: 4.183 min Scan# 1763
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:198 Resp: 49821

Ion	Ratio	Lower	Upper
198	100		
105	45.0	35.5	53.3

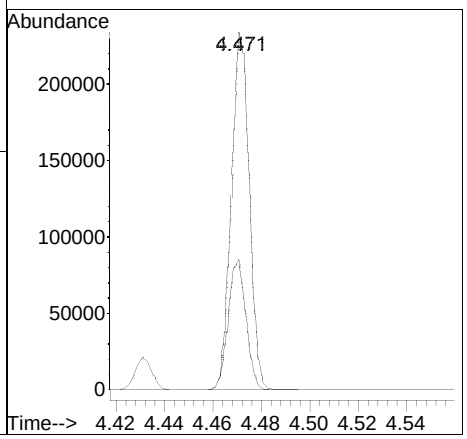


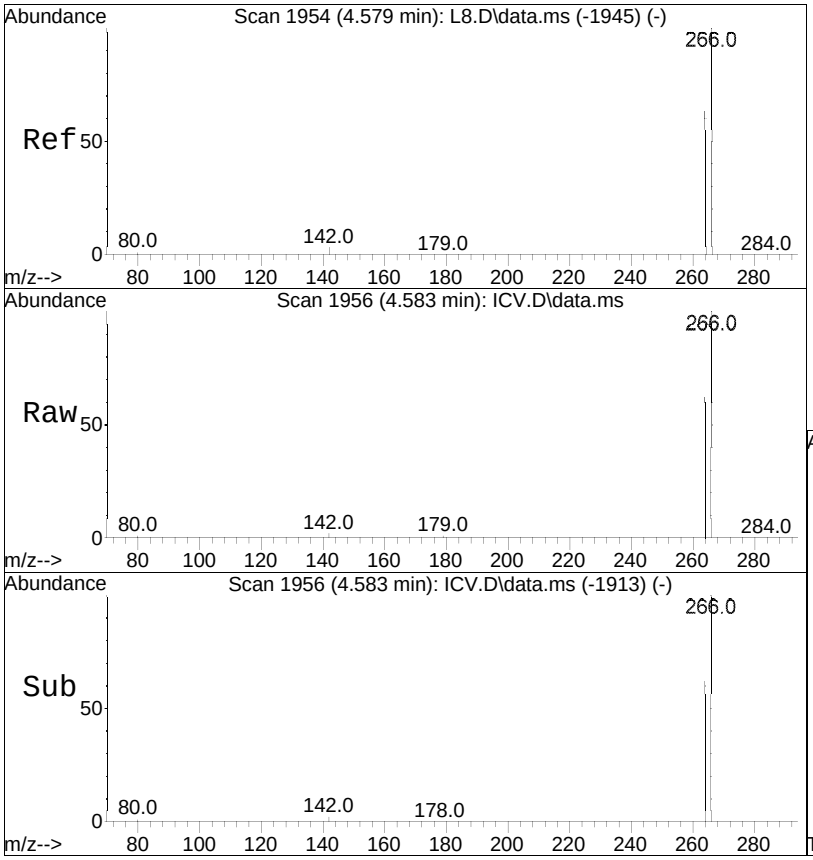


#24
Hexachlorobenzene
Concen: 952.85 ng/ml
RT: 4.471 min Scan# 1899
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:284 Resp: 118374

Ion	Ratio	Lower	Upper
284	100		
142	36.3	29.0	43.4

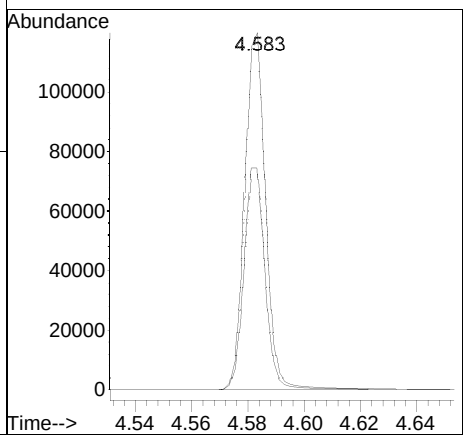


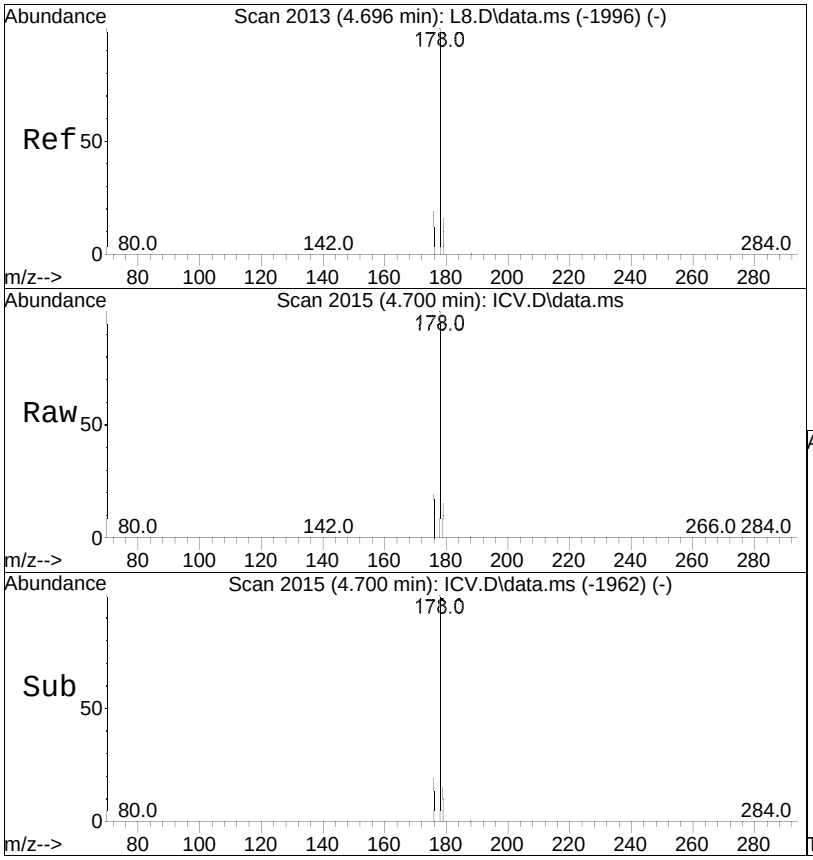


#25
Pentachlorophenol
Concen: 964.11 ng/ml
RT: 4.583 min Scan# 1956
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:266 Resp: 61333

Ion	Ratio	Lower	Upper
266	100		
264	62.9	50.3	75.5

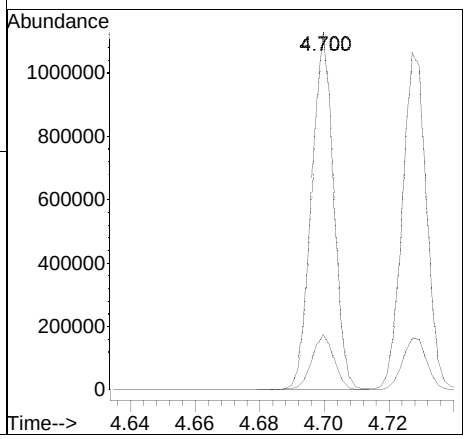


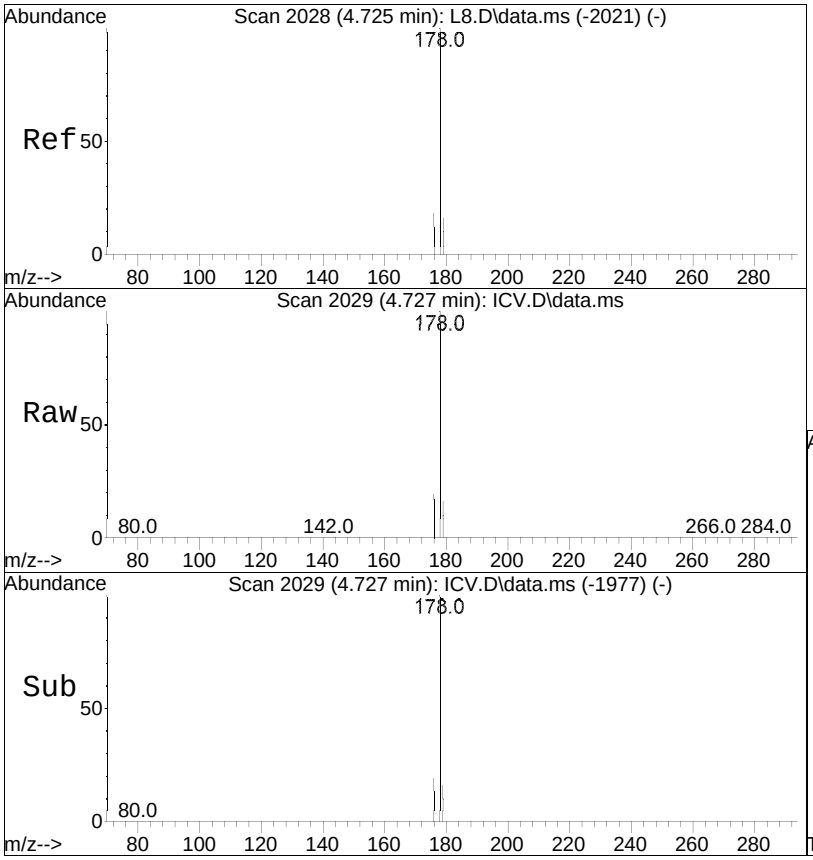


#26
Phenanthrene
Concen: 945.39 ng/ml
RT: 4.700 min Scan# 2015
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:178 Resp: 536900

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.6	18.8

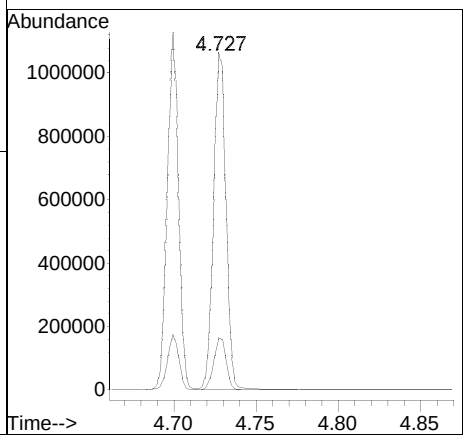


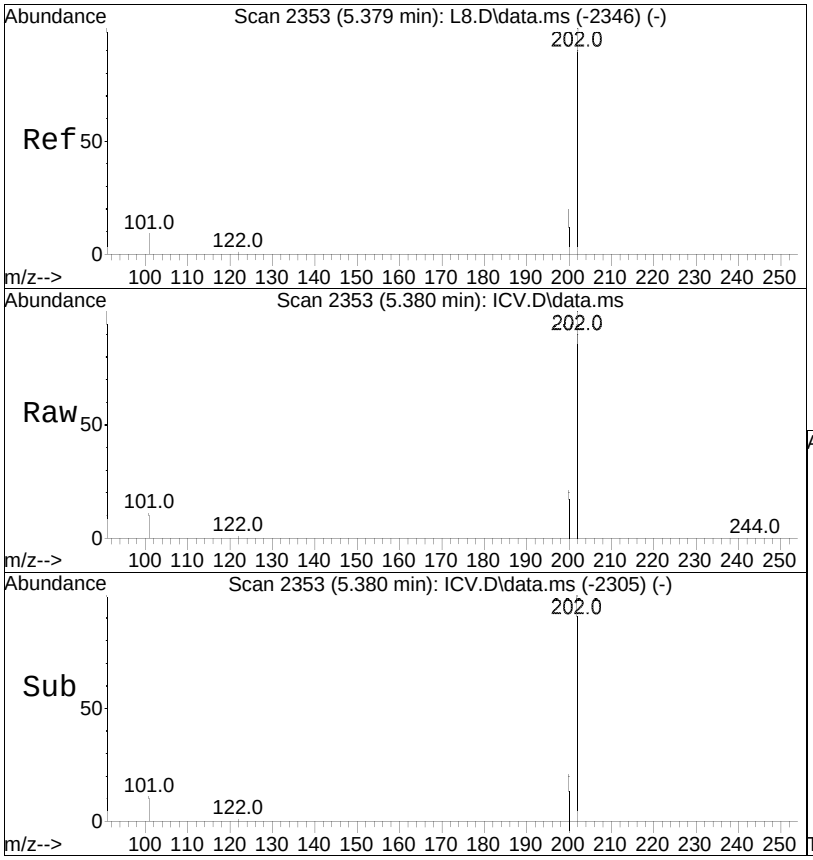


#27
Anthracene
Concen: 988.52 ng/ml
RT: 4.727 min Scan# 2029
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:178 Resp: 557215

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

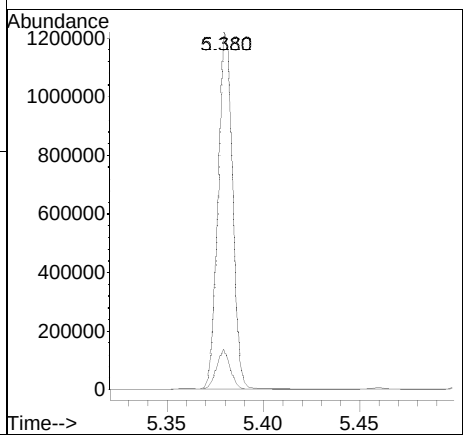


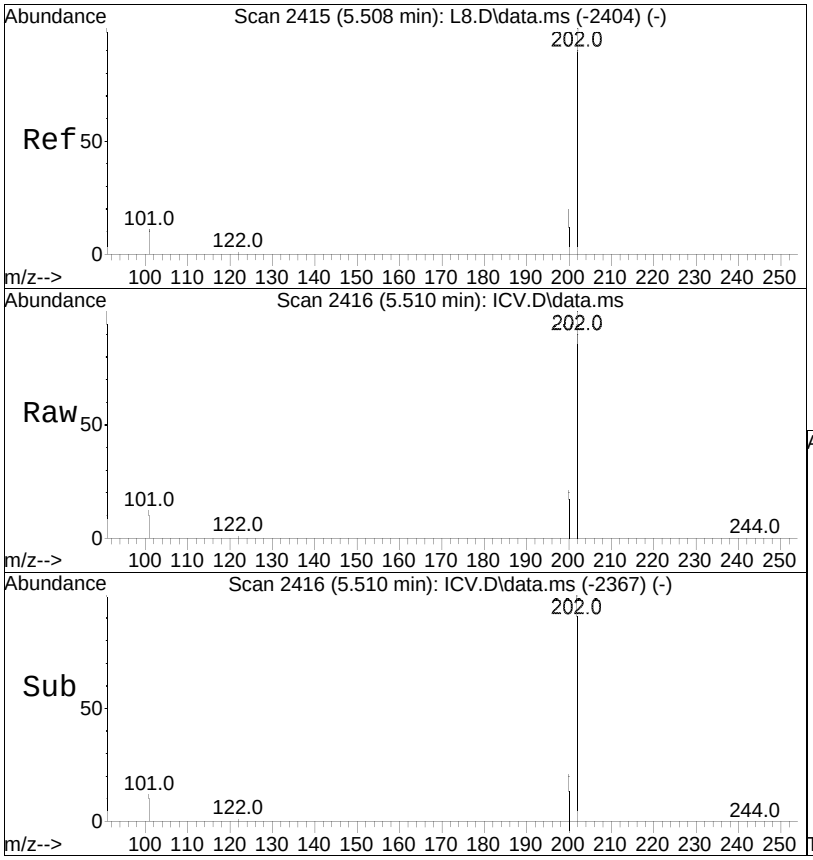


#28
Fluoranthene
Concen: 973.88 ng/ml
RT: 5.380 min Scan# 2353
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:202 Resp: 629910

Ion	Ratio	Lower	Upper
202	100		
101	10.8	8.8	13.2

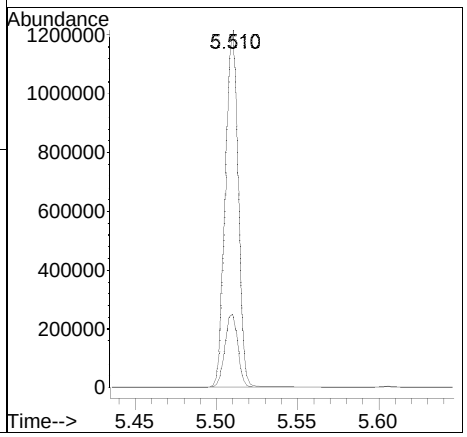


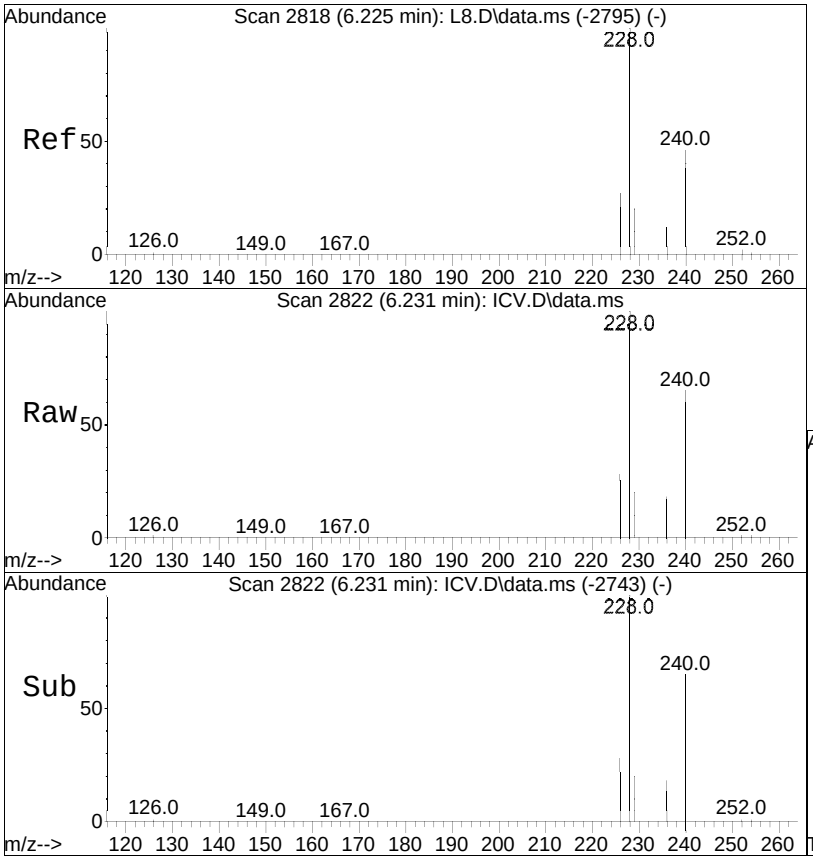


#29
Pyrene
Concen: 987.81 ng/ml
RT: 5.510 min Scan# 2416
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:202 Resp: 661209

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.9	25.3

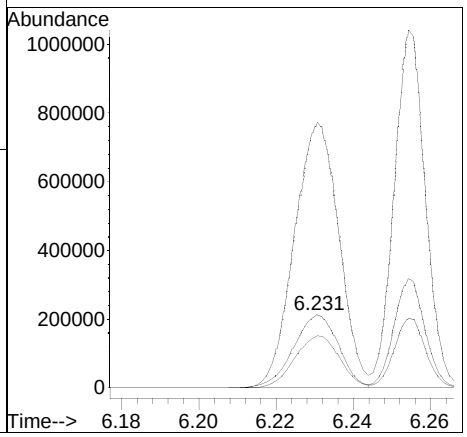


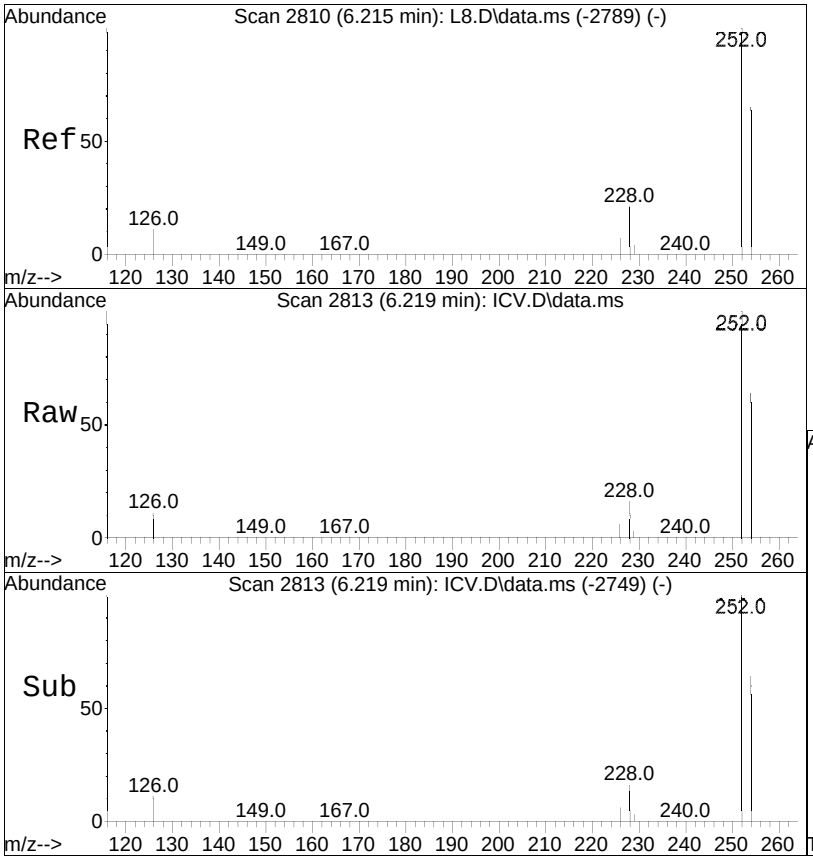


#32
Benzo[a]anthracene
Concen: 915.46 ng/ml
RT: 6.231 min Scan# 2822
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:226 Resp: 172280

Ion	Ratio	Lower	Upper
226	100		
227	0.0	0.0	0.0
228	357.8	288.7	433.1
229	70.4	56.8	85.2

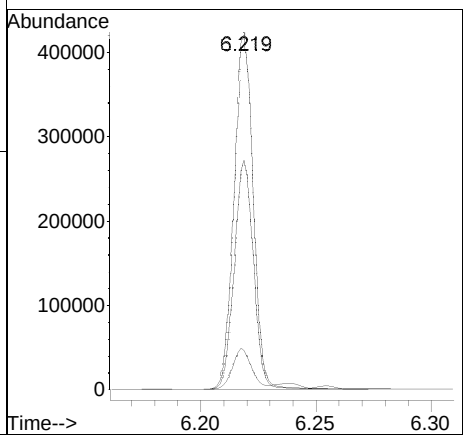


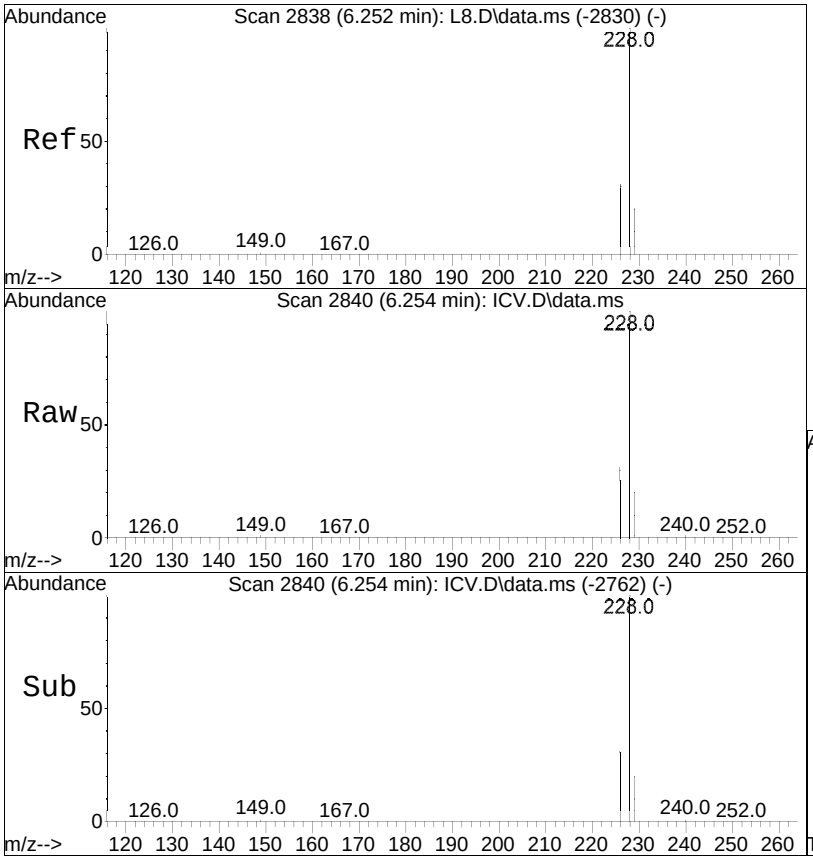


#33
3,3'-Dichlorobenzidine
Concen: 1013.16 ng/ml
RT: 6.219 min Scan# 2813
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 241044

Ion	Ratio	Lower	Upper
252	100		
126	11.8	9.5	14.3
254	64.5	51.5	77.3

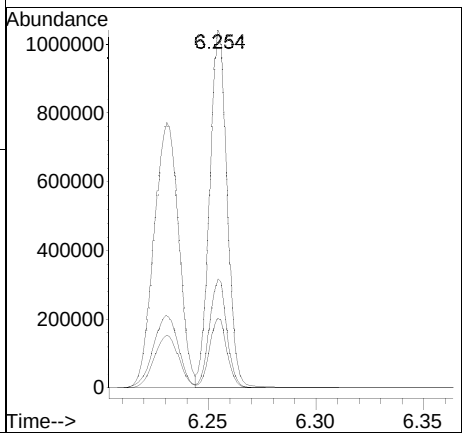


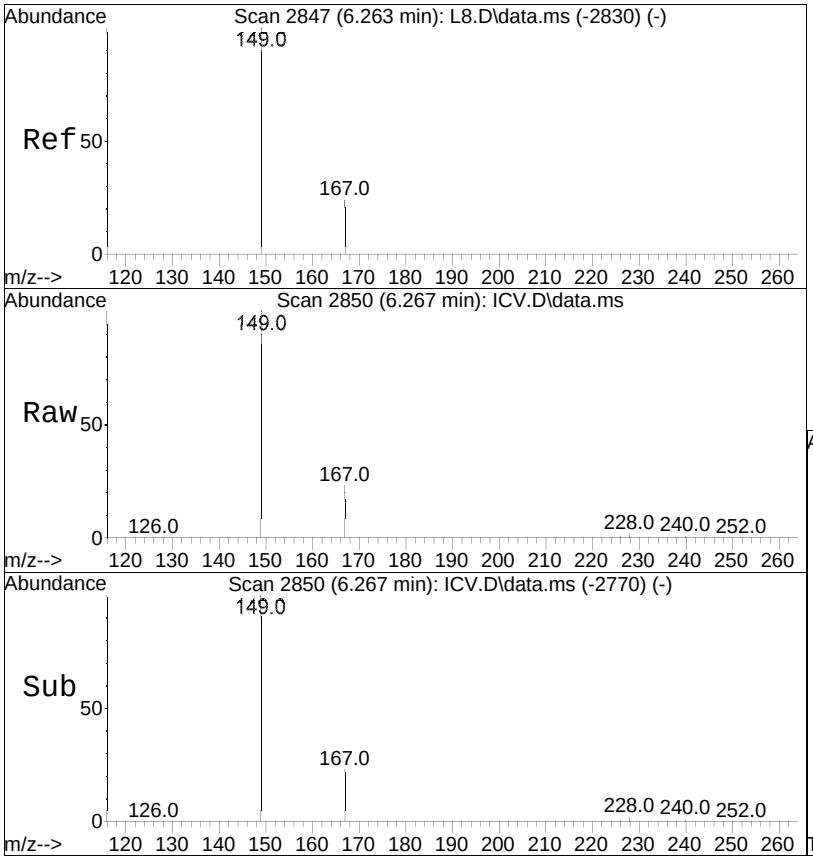


#34
Chrysene
Concen: 954.85 ng/ml
RT: 6.254 min Scan# 2840
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:228 Resp: 586733

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
227	0.0	0.0	0.0
229	19.6	15.6	23.4

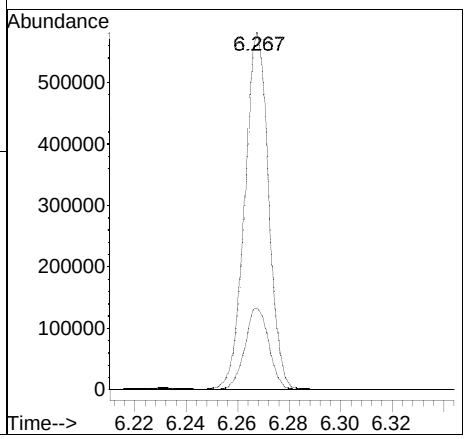


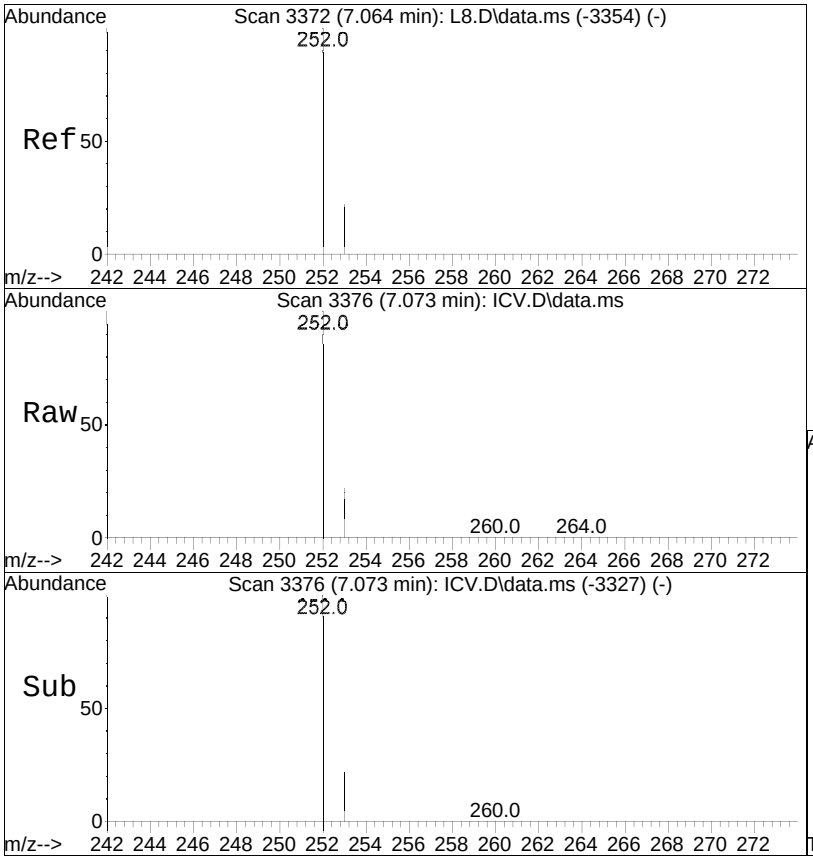


#35
Bis(2-ethylhexyl)phthalate
Concen: 873.44 ng/ml
RT: 6.267 min Scan# 2850
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:149 Resp: 367276

Ion	Ratio	Lower	Upper
149	100		
167	23.1	18.6	27.8

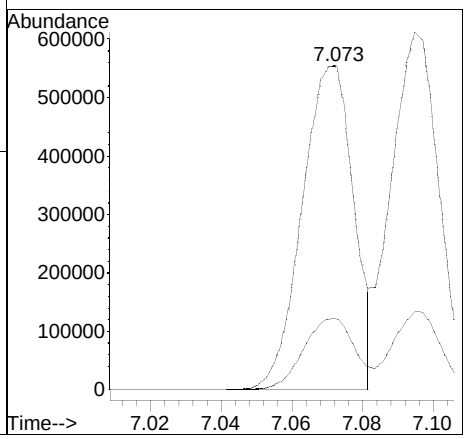


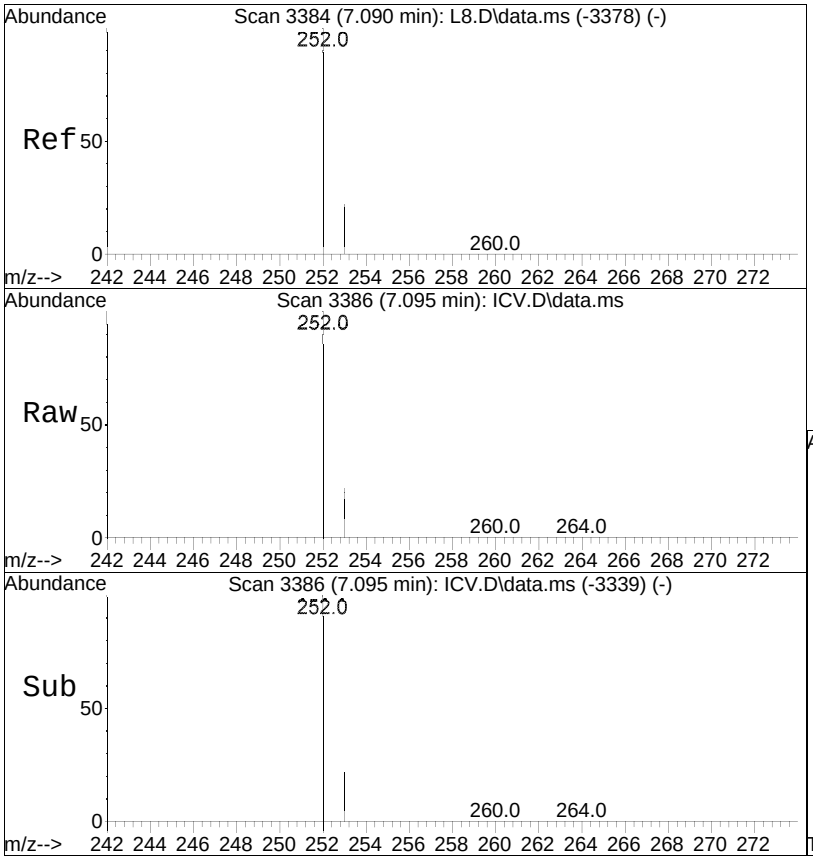


#37
Benzo[b]fluoranthene
Concen: 972.06 ng/ml
RT: 7.073 min Scan# 3376
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 560896

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.2

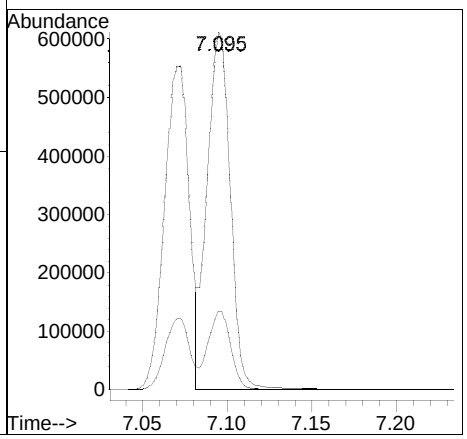


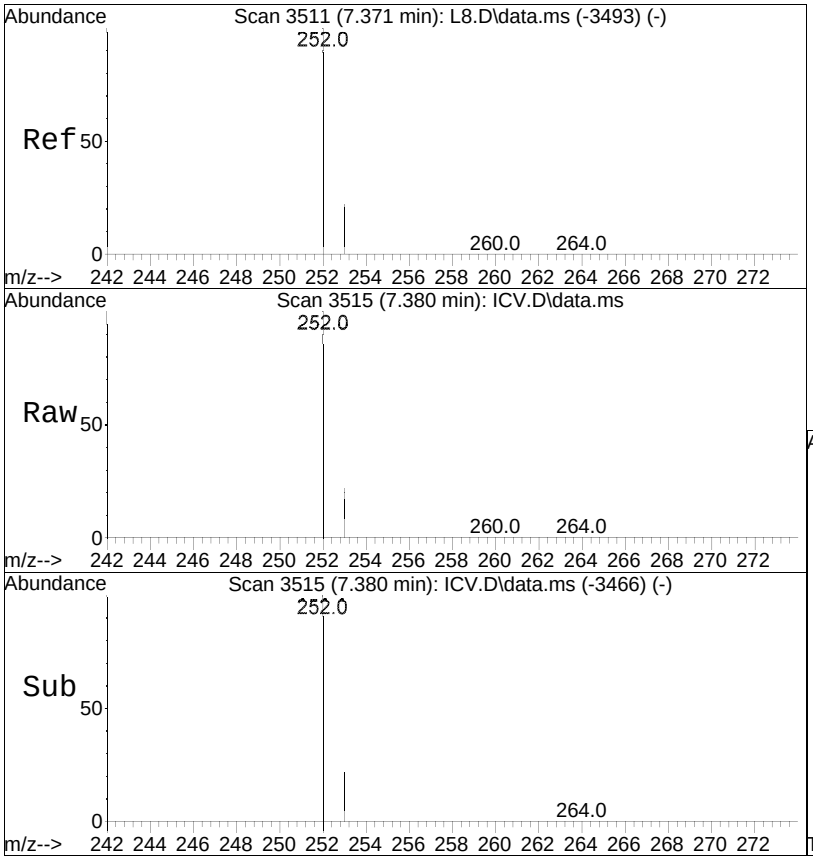


#38
Benzo[k]fluoranthene
Concen: 1059.10 ng/ml
RT: 7.095 min Scan# 3386
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 581465

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.6	26.4

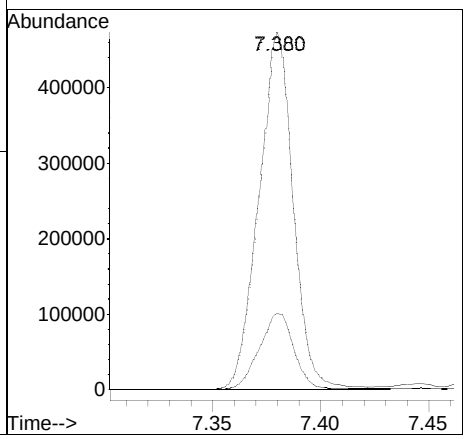


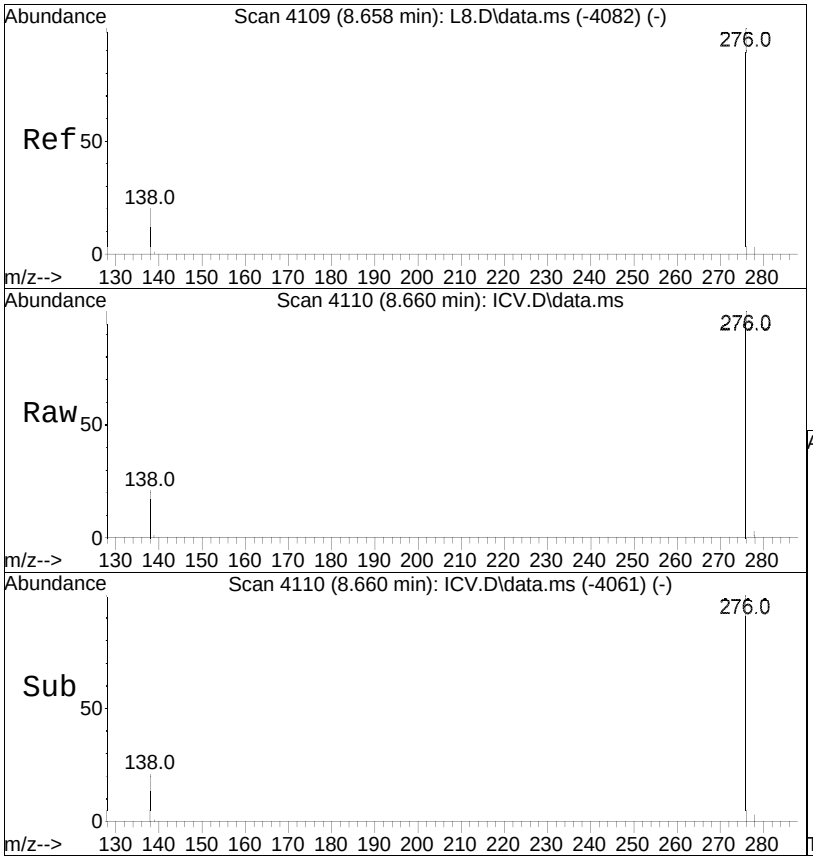


#39
Benzo[a]pyrene
Concen: 1076.08 ng/ml
RT: 7.380 min Scan# 3515
Delta R.T. 0.009 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:252 Resp: 516672

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

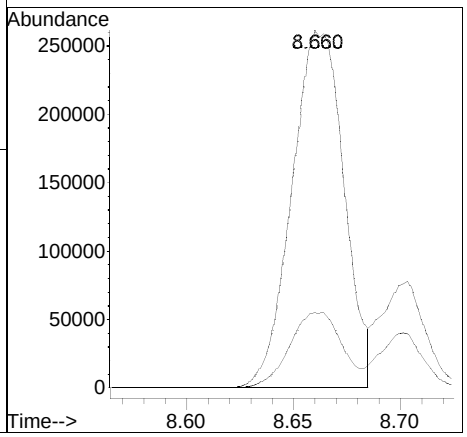


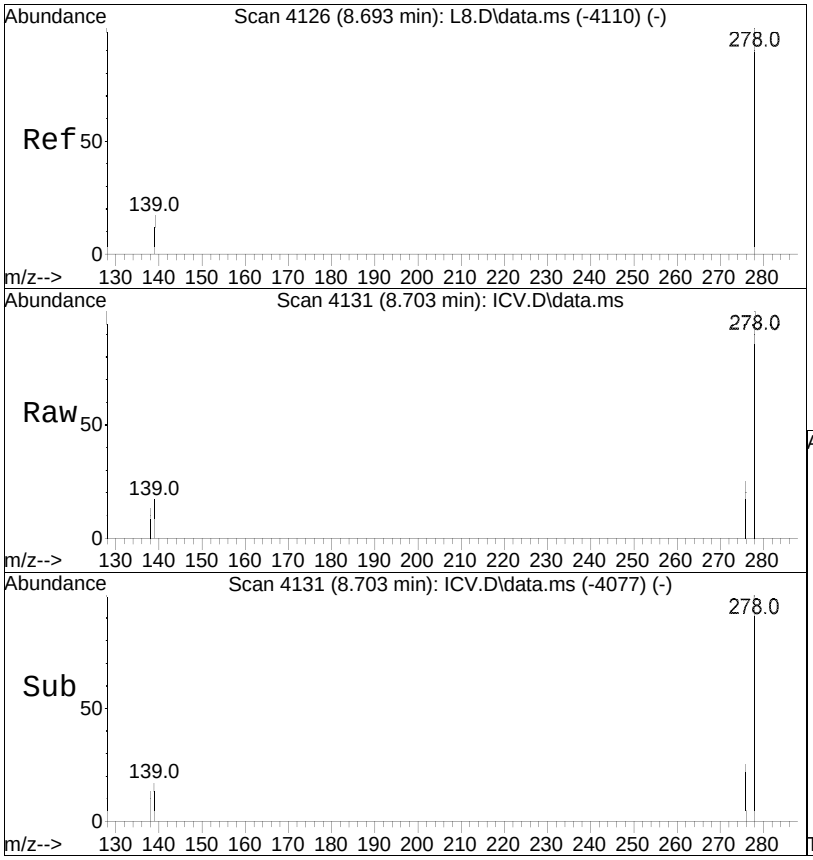


#40
Indeno[1,2,3-cd]pyrene
Concen: 1033.23 ng/ml
RT: 8.660 min Scan# 4110
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:276 Resp: 439757

Ion	Ratio	Lower	Upper
276	100		
138	21.1	17.0	25.4

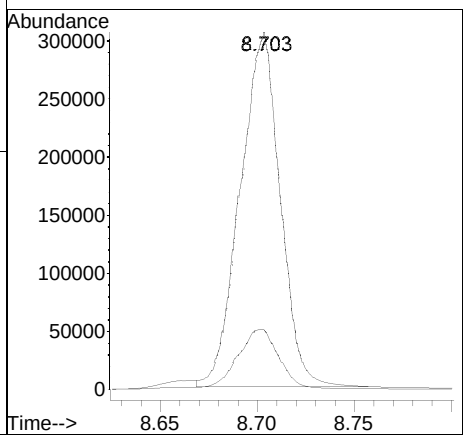


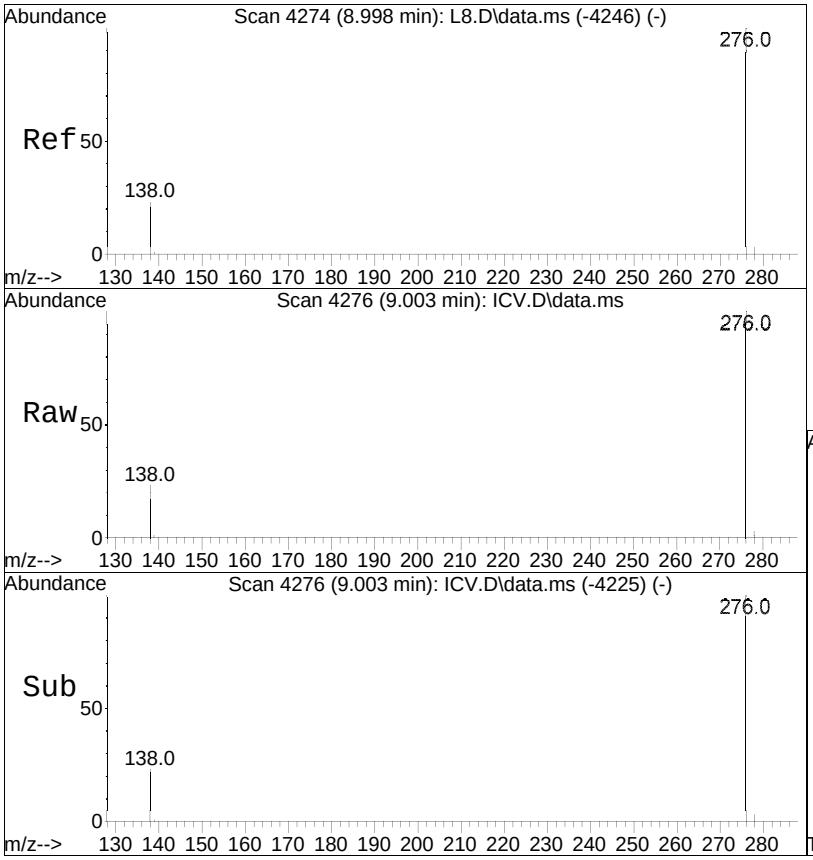


#41
Dibenzo[a,h]anthracene
Concen: 1060.54 ng/ml M6
RT: 8.703 min Scan# 4131
Delta R.T. 0.010 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:278 Resp: 435769

Ion	Ratio	Lower	Upper
278	100		
139	17.6	13.9	20.9

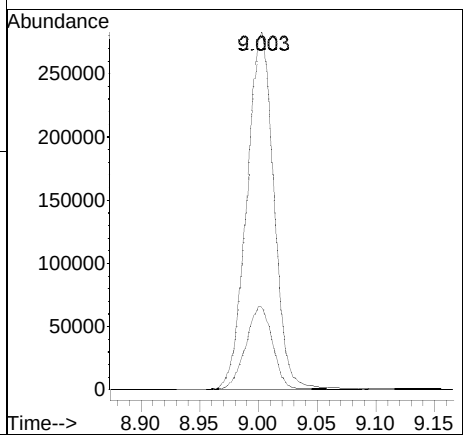




#42
Benzo[g,h,i]perylene
Concen: 1000.82 ng/ml
RT: 9.003 min Scan# 4276
Delta R.T. 0.005 min
Lab File: ICV.D
Acq: 03 Feb 2025 06:37 pm

Tgt Ion:276 Resp: 450098

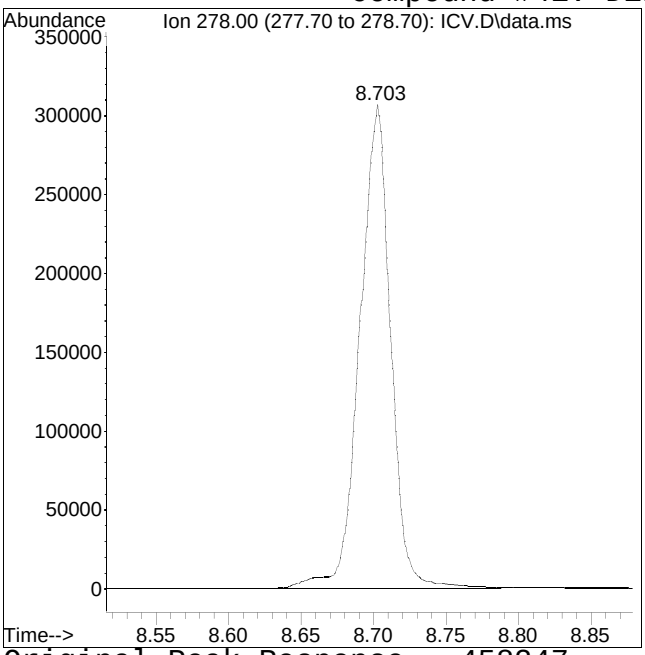
Ion	Ratio	Lower	Upper
276	100		
138	23.3	18.7	28.1



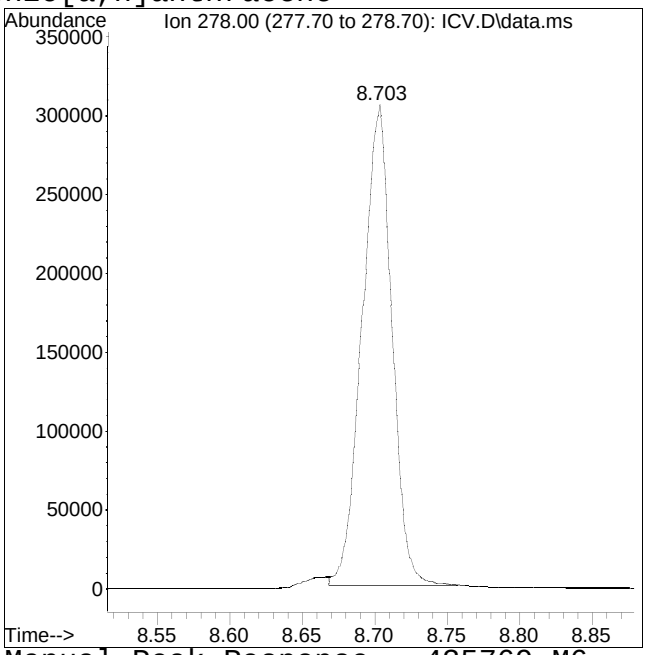
Manual Integration Report

Data Path : I:\8270SIM\SV118\250203RVTQ
Data File : ICV.D
Date Inj'd : 2/3/2025 6:37 pm
Sample : CQICV,32,, #11275 1000 ng/
Method : SIM-RVT_250203sv118.M
Operator : SV118:rp
Instrument : SV118
Quant Date : 2/10/2025 9:31 am

Compound #41: Dibenzo[a,h]anthracene



Original Peak Response = 458247



Manual Peak Response = 435769 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV118

Method Path : I:\8270SIM\SV118\250203RVTical\
Method File : SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Feb 07 14:32:24 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
23 T	4,6-Dinitro-o-cresol	L	ng/ml	1000.0	927.332	-7.3	40.00	50.883	27.2
25 T	Pentachlorophenol	Q	ng/ml	1000.0	1035.983	3.6	10.00	14.367	43.7
35 T	Bis(2-ethylhexyl)phthalate	L	ng/ml	1000.0	932.758	-6.7	40.00	50.947	27.4

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
23 T	4,6-Dinitro-o-cresol	Linear	0.997330	0.000000	0.131405	-0.00114886
25 T	Pentachlorophenol	Quadratic	0.997872	0.043266	0.126508	-0.000307814
35 T	Bis(2-ethylhexyl)phthalate	Linear	0.997404	0.000000	0.975861	-0.00687398

Response Factor Report SV 106

Method Path : I:\8270\SV106\250311ical_SIM\
Method File : SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Apr 08 18:16:27 2025
Response Via : Initial Calibration

Calibration Files
L1 =SIML1.D L2 =SIML2.D L3 =SIML3.D L4 =SIML4.D L5 =SIML5.D L6 =SIML6.D L7 =SIML7.D
L8 =SIML8.D L9 =SIML9.D L10 =SIML10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	T	N-Nitrosodimet...		0.513	0.604	0.615	0.783	0.774	0.705	0.640	0.683	0.665		13.65
3)	s	2-Fluorophenol		0.802	0.925	0.894	1.154	1.180	1.102	0.987	1.083	1.016		13.30
4)	s	Phenol-d6	1.166	1.102	1.072	1.069	1.361	1.389	1.286	1.156	1.261	1.207		10.09
5)	T	Bis(2-chloroet...	1.166	1.177	1.055	1.051	1.262	1.257	1.188	1.017	1.100	1.141		7.87
6)	T	Hexachloroethane	0.569	0.578	0.553	0.478	0.564	0.567	0.520	0.458	0.496	0.531		8.45
7)	T	n-nitrosodi-n-...	0.868	0.781	0.750	0.684	0.900	0.876	0.813	0.740	0.815	0.803		8.87
8)	s	Nitrobenzene-d5	0.976	0.909	0.835	0.813	1.041	1.099	1.036	0.954	1.069	0.970		10.48
9)	i	Naphthalene-d8	----------ISTD----------											
10)	t	Naphthalene	1.164	1.168	1.116	1.003	1.251	1.192	1.098	0.959	1.026	1.109		8.69
11)	t	Hexachlorobuta...	0.260	0.228	0.228	0.223	0.264	0.258	0.234	0.207	0.221	0.236		8.59
12)	t	2-Methylnaphth...	0.735	0.623	0.619	0.598	0.753	0.721	0.654	0.584	0.632	0.658		9.53
13)	t	1-Methylnaphth...	0.712	0.638	0.638	0.625	0.802	0.765	0.696	0.616	0.661	0.684		9.56
14)	s	2-Fluorobiphenyl	0.893	0.865	0.847	0.815	0.802	1.102	1.033	0.936	0.834	0.890	0.902	10.79
15)	t	2-Chloronaphth...	0.850	0.761	0.695	0.706	0.922	0.872	0.791	0.700	0.753	0.783		10.46

Method Path : I:\8270\SV106\250311ical_SIM\
Method File : SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Apr 08 18:16:27 2025
Response Via : Initial Calibration

Calibration Files
L1 =SIML1.D L2 =SIML2.D L3 =SIML3.D L4 =SIML4.D L5 =SIML5.D L6 =SIML6.D L7 =SIML7.D
L8 =SIML8.D L9 =SIML9.D L10 =SIML10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
16)	T	Acenaphthylene	1.126	1.054	1.022	1.027	1.381	1.348	1.247	1.140	1.222	1.174		11.39
17)	t	2,6-Dinitrotol...				0.122	0.104	0.133	0.142	0.141	0.144	0.174	0.137	15.86
18)	i	Acenaphthene-d10	----------ISTD----------											
19)	t	Acenaphthene	1.620	1.290	1.229	1.225	1.178	1.583	1.426	1.291	1.126	1.195	1.316	12.99
20)	t	2,4-Dinitrotol...					0.192	0.260	0.274	0.274	0.283	0.343	0.271	17.89
21)	t	Fluorene	1.787	1.571	1.340	1.306	1.251	1.732	1.597	1.452	1.301	1.372	1.471	12.92
22)	s	2,4,6-Tribromo...			0.207	0.170	0.154	0.214	0.222	0.208	0.196	0.217	0.198	12.17
23)	i	Phenanthrene-d10	----------ISTD----------											
24)	T	4,6-Dinitro-o-...					0.037	0.065	0.071	0.072	0.074	0.091	*Q	0.99 91
25)	t	Hexachlorobenzene	0.277	0.272	0.253	0.230	0.324	0.290	0.260	0.227	0.243	0.264		11.66
26)	t	Pentachlorophenol				0.219	0.101	0.111	0.114	0.114	0.112	0.136	*Q	0.99 87
27)	t	Phenanthrene	1.302	1.225	1.099	1.013	1.452	1.282	1.161	1.005	1.085	1.180		12.57
28)	t	Anthracene	1.173	1.067	0.990	0.938	1.308	1.201	1.117	0.990	1.077	1.096		10.74
29)	t	Fluoranthene	1.461	1.311	1.172	1.127	1.496	1.397	1.301	1.166	1.290	1.302		10.10
30)	T	Benzidine			1.046	0.758	0.540	0.153	0.533	0.576	0.610	0.738	*Q	0.99 64

Method Path : I:\8270\SV106\250311ical_SIM\
Method File : SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Apr 08 18:16:27 2025
Response Via : Initial Calibration

Calibration Files
L1 =SIML1.D L2 =SIML2.D L3 =SIML3.D L4 =SIML4.D L5 =SIML5.D L6 =SIML6.D L7 =SIML7.D
L8 =SIML8.D L9 =SIML9.D L10 =SIML10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
31)	T	Pyrene	1.621	1.395	1.228	1.159	1.568	1.493	1.395	1.240	1.341	1.382		11.42
32)	s	4-Terphenyl-d14	1.220	1.081	0.877	0.804	1.132	1.051	0.967	0.872	0.940	0.994		13.73
33)	i	Chrysene-d12	----------ISTD----------											
34)	t	Benzo[a]anthra...	1.307	0.890	0.590	0.463	0.349	0.441	0.428	0.393	0.348	0.385 *L		0.99 67
35)	t	3,3'-Dichlorob...			0.479	0.417	0.366	0.455	0.468	0.461	0.457	0.536	0.455	10.70
36)	t	Chrysene	1.449	1.496	1.314	1.244	1.664	1.505	1.366	1.176	1.261	1.386		11.20
37)	T	Bis(2-ethylhex...				0.433	0.552	0.566	0.561	0.593	0.730 *Q			0.99 93
38)	i	Perylene-d12	----------ISTD----------											
39)	t	Benzo[b]fluora...	1.018	1.222	1.058	0.999	1.390	1.304	1.174	1.046	1.155	1.152		11.76
40)	t	Benzo[k]fluora...	0.908	0.858	0.725	0.762	1.146	1.196	1.124	1.061	1.174	0.995		18.47
41)	t	Benzo[a]pyrene	0.780	0.823	0.760	0.756	1.099	1.094	1.037	0.972	1.080	0.933		16.26
42)	t	Indeno[1,2,3-c...	1.210	0.993	0.863	0.809	1.211	1.141	1.092	0.965	1.111	1.044		13.91
43)	t	Dibenzo[a,h]an...	0.739	0.881	0.784	0.773	1.133	1.134	1.086	0.949	1.075	0.950		17.02
44)	t	Benzo[g,h,i]pe...	1.117	1.089	0.931	0.883	1.237	1.147	1.081	0.956	1.076	1.057		10.70

Method Path : I:\8270\SV106\250311ical_SIM\
Method File : SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Apr 08 18:16:27 2025
Response Via : Initial Calibration

Calibration Files
L1 =SIML1.D L2 =SIML2.D L3 =SIML3.D L4 =SIML4.D L5 =SIML5.D L6 =SIML6.D L7 =SIML7.D
L8 =SIML8.D L9 =SIML9.D L10 =SIML10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg %RSD

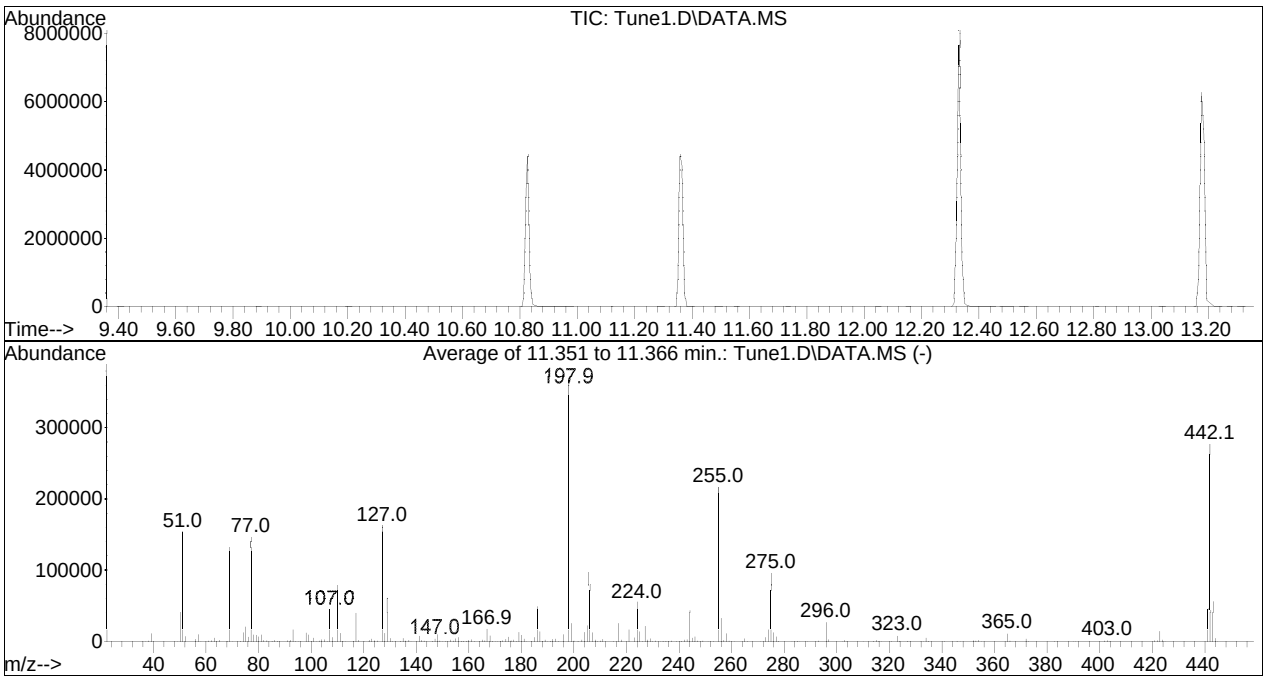
(#) = Out of Range

DFTPP

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:dv
Sample : TUNE
Misc : WG2051155,,ical
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Apr 08 15:09:21 2025



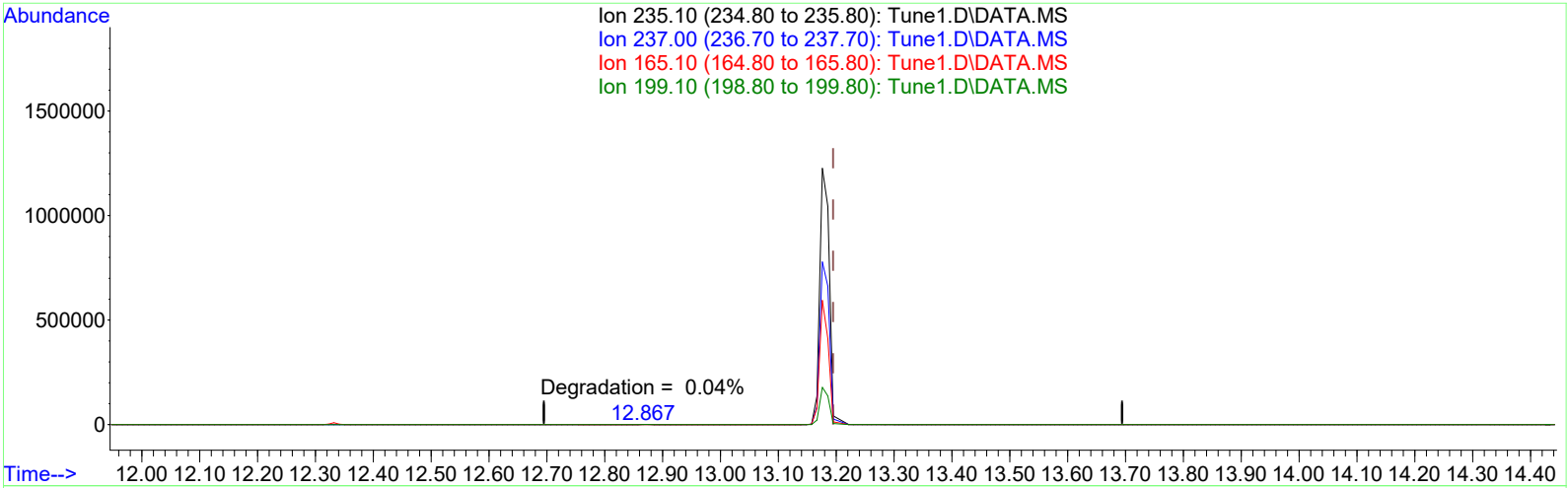
Spectrum Information: Average of 11.351 to 11.366 min.

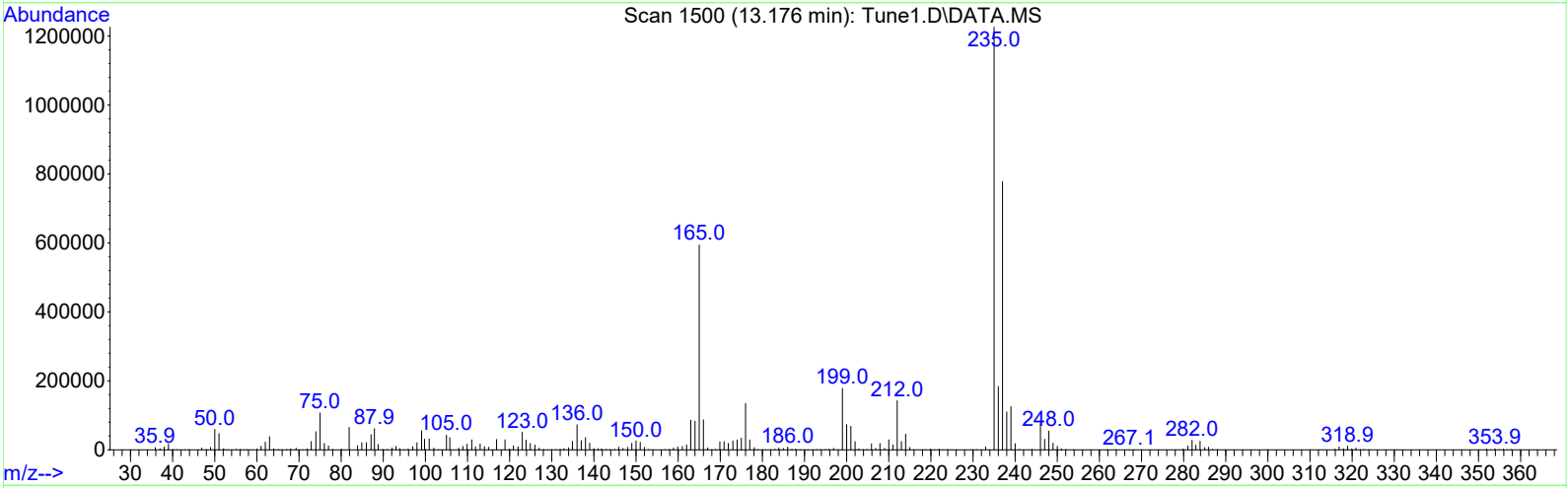
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.5	153869	PASS
68	69	0.00	2	1.1	1405	PASS
69	69	100	100	100.0	132147	PASS
70	69	0.00	2	0.5	601	PASS
127	198	10	80	43.9	162464	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	370389	PASS
199	198	5	9	6.9	25422	PASS
275	198	10	60	25.9	96095	PASS
365	198	1	100	3.0	11191	PASS
441	442	0.01	24	16.7	46163	PASS
442	198	50	100	74.8	277043	PASS
443	442	15	24	20.0	55370	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:dv
Sample : TUNE
Misc : WG2051155,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 11 16:46:29 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [TUNE]

(6) DDT (T)

13.176min (-0.019) 251.38

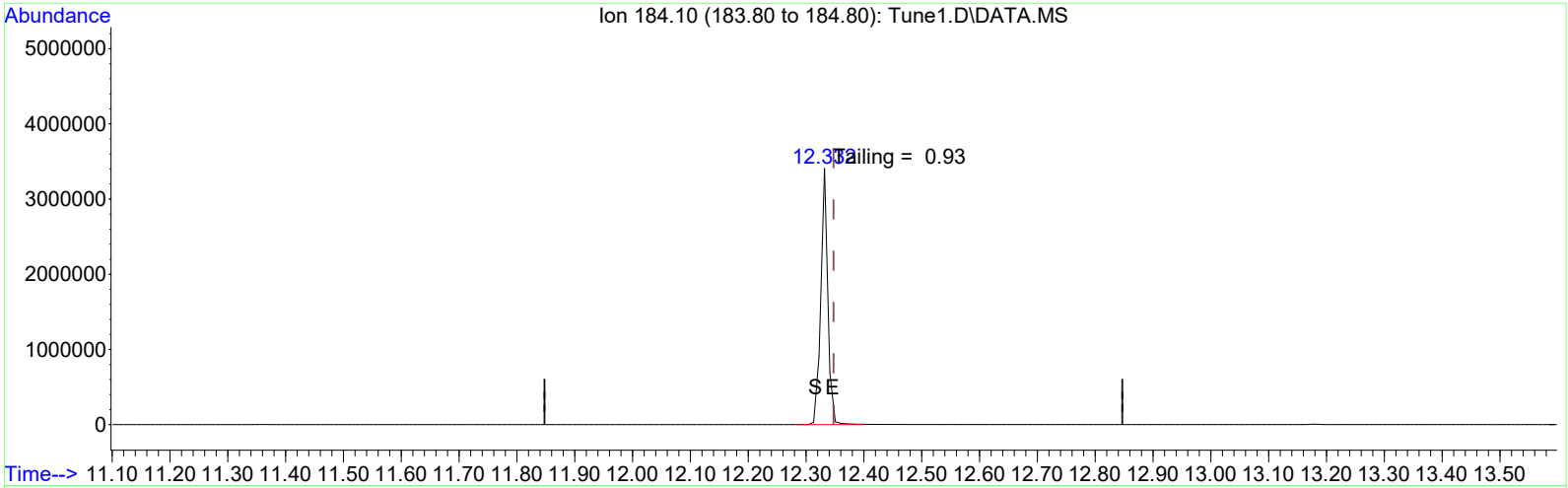
response 1532361

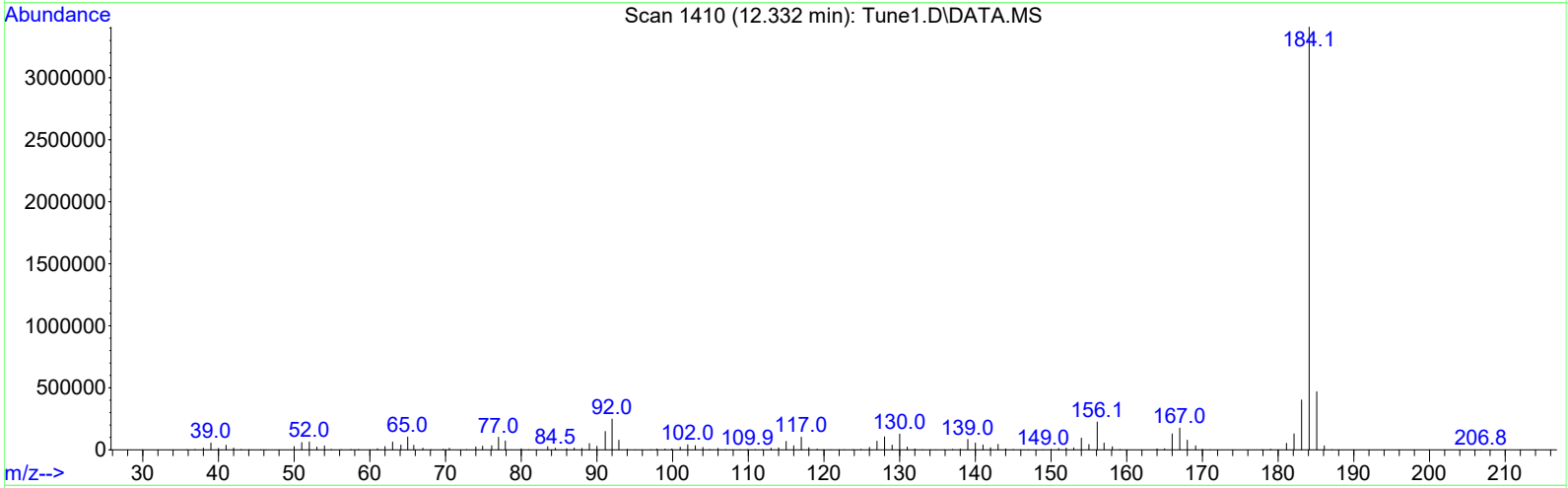
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	64.95
165.10	44.50	43.25
199.10	14.80	14.31

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:dv
Sample : TUNE
Misc : WG2051155,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 11 16:46:29 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [TUNE]

(3) Benzidine (T)

12.332min (-0.016) 283.93

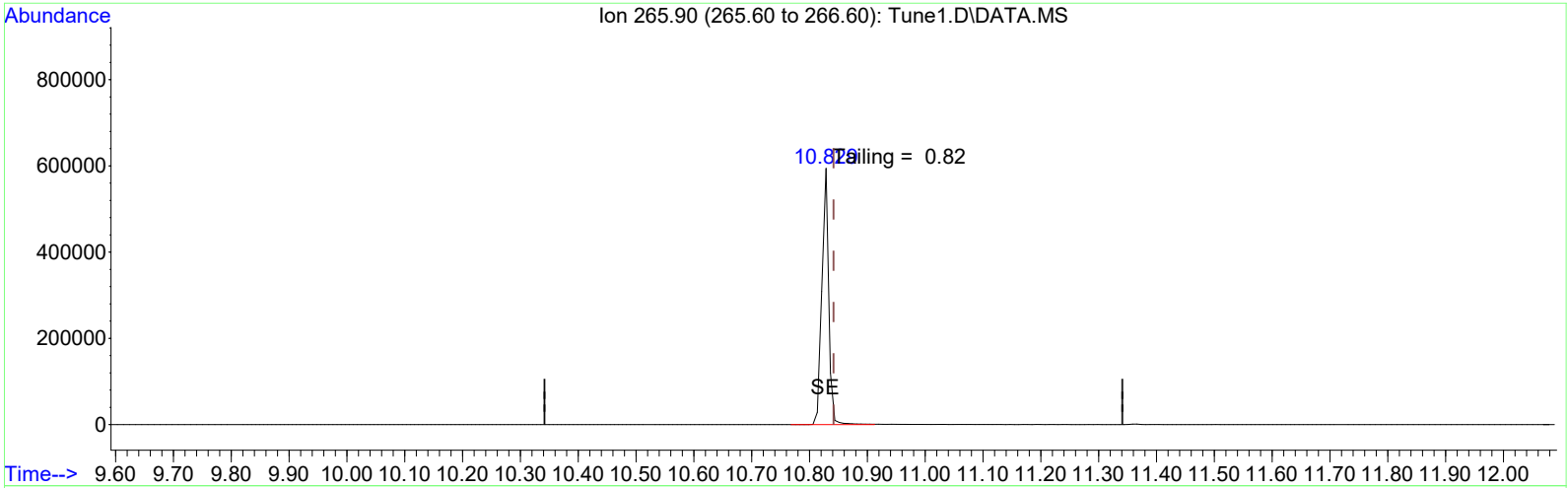
response 2890419

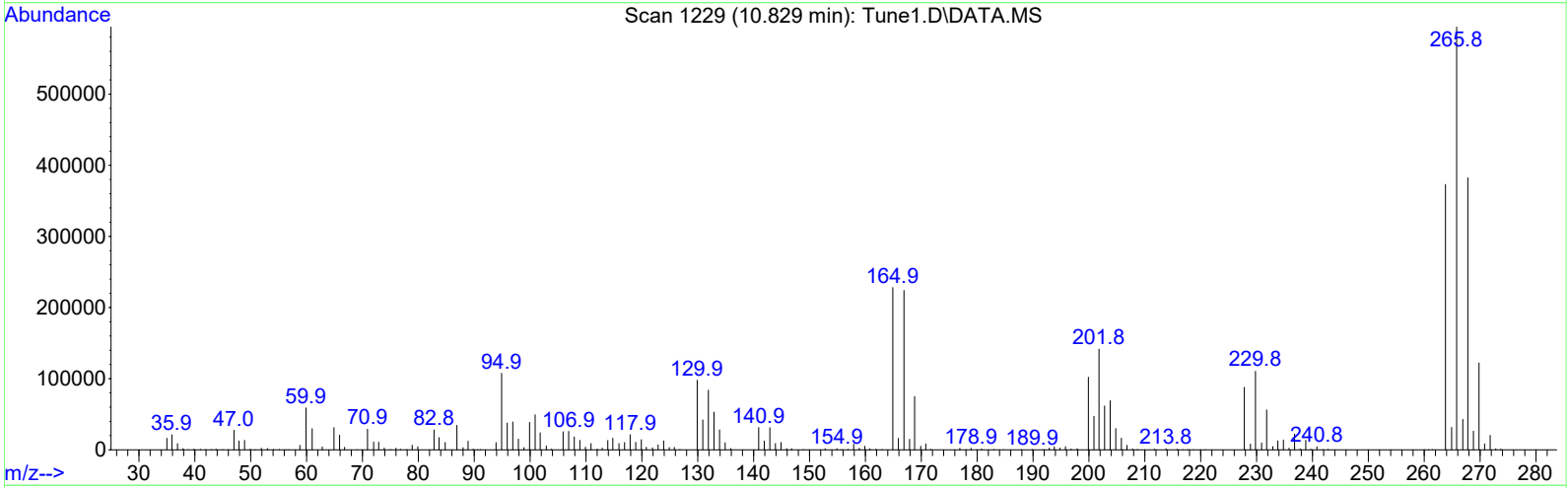
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : Tune1.D
Acq On : 11 Mar 2025 4:27 pm
Operator : SV106:dv
Sample : TUNE
Misc : WG2051155,,ical
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 11 16:46:29 2025
Quant Method : I:\8270\SV106\250311RVTical\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 06 00:46:17 2025
Response via : Initial Calibration





CHROMtools™ [TUNE]

(1) Pentachlorophenol (T)

10.829min (-0.013) 233.79

response 491035

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML10.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:dv
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2051155,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 08 15:10:11 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	60505	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 102.73%			
9) Naphthalene-d8	7.788	136	218174	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 103.56%			
18) Acenaphthene-d10	9.556	164	136536	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 105.08%			
23) Phenanthrene-d10	10.993	188	278470	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 103.92%			
33) Chrysene-d12	13.623	240	273396	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 106.23%			
38) Perylene-d12	15.085	264	300655	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 103.78%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.375	112	81935	5331.635	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 266.58%#			
4) Phenol-d6	5.983	99	95386	5225.164	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 261.26%#			
8) Nitrobenzene-d5	7.023	82	80861	5509.314	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 550.93%#			
14) 2-Fluorobiphenyl	8.916	172	242637	4932.664	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 493.27%#			
22) 2,4,6-Tribromophenol	10.327	330	37038	5468.082	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 273.40%#			
32) 4-Terphenyl-d14	12.582	244	327340	4730.856	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 473.09%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.010	74	51691	5140.638	ng/mL	99
5) Bis(2-chloroethyl)ether	6.076	93	83219M3	4820.139	ng/ml	
6) Hexachloroethane	6.948	117	37476	4663.085	ng/ml	100
7) n-nitrosodi-n-propylamine	6.903	70	61635	5074.948	ng/ml	98
10) Naphthalene	7.810	128	279826	4628.044	ng/ml	100
11) Hexachlorobutadiene	7.983	225	60270	4683.342	ng/ml	100
12) 2-Methylnaphthalene	8.534	142	172333	4803.959	ng/ml	99
13) 1-Methylnaphthalene	8.624	142	180314	4834.353	ng/ml	100
15) 2-Chloronaphthalene	9.006	162	205250	4804.014	ng/ml	100
16) Acenaphthylene	9.409	152	333156	5202.649	ng/ml	100
17) 2,6-Dinitrotoluene	9.377	165	47563	6360.309	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML10.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:dv
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2051155,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 08 15:10:11 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.588	153	203889	4538.361	ng/ml	99
20) 2,4-Dinitrotoluene	9.767	165	58568	6336.580	ng/ml	86
21) Fluorene	10.087	166	234240	4665.489	ng/ml	100
24) 4,6-Dinitro-o-cresol	10.158	198	31639	5030.217	ng/ml	97
25) Hexachlorobenzene	10.630	284	84618	4601.103	ng/ml	100
26) Pentachlorophenol	10.827	266	47179	5033.228	ng/ml	100
27) Phenanthrene	11.016	178	377642	4595.706	ng/ml	100
28) Anthracene	11.062	178	374737	4913.046	ng/ml	100
29) Fluoranthene	12.169	202	449195	4954.186	ng/ml	100
30) Benzidine	12.328	184	256880	4996.965	ng/mL	100
31) Pyrene	12.385	202	466866	4852.336	ng/ml	100
34) Benzo[a]anthracene	13.615	226	131569	5091.727	ng/ml	99
35) 3,3'-Dichlorobenzidine	13.615	252	183156	5890.218	ng/ml	98
36) Chrysene	13.647	228	431079	4549.950	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	13.742	149	249563	5025.089	ng/ml	100
39) Benzo[b]fluoranthene	14.718	252	433921	5012.214	ng/ml	100
40) Benzo[k]fluoranthene	14.742	252	441379	5902.282	ng/ml	100
41) Benzo[a]pyrene	15.029	252	405798	5783.661	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	16.051	276	417670M6	5322.986	ng/ml	
43) Dibenzo[a,h]anthracene	16.074	278	403916M6	5655.012	ng/ml	
44) Benzo[g,h,i]perylene	16.297	276	404213	5085.605	ng/ml	100

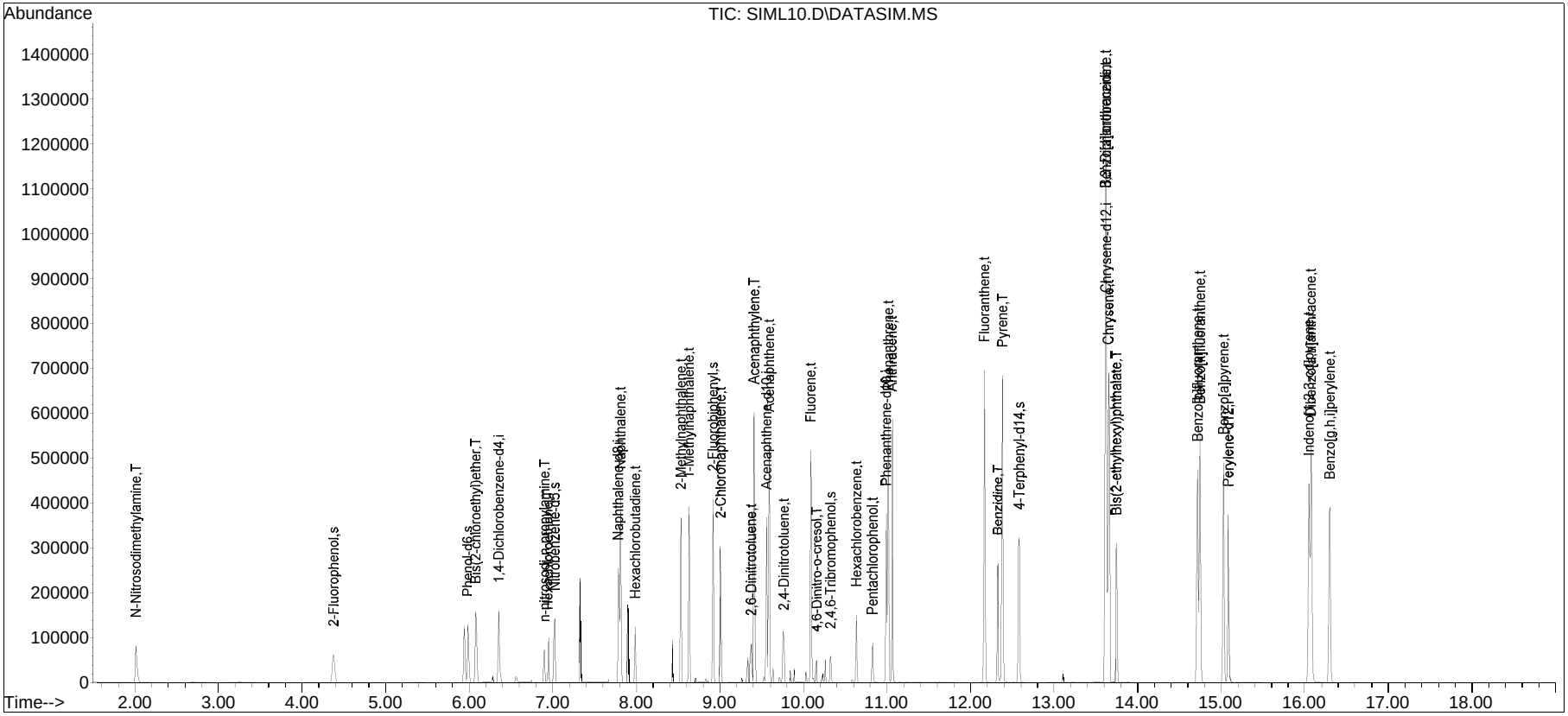
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML10.D
Acq On : 11 Mar 2025 6:01 pm
Operator : SV106:dv
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2051155,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Apr 08 15:10:11 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:03 2025
Response via : Initial Calibration

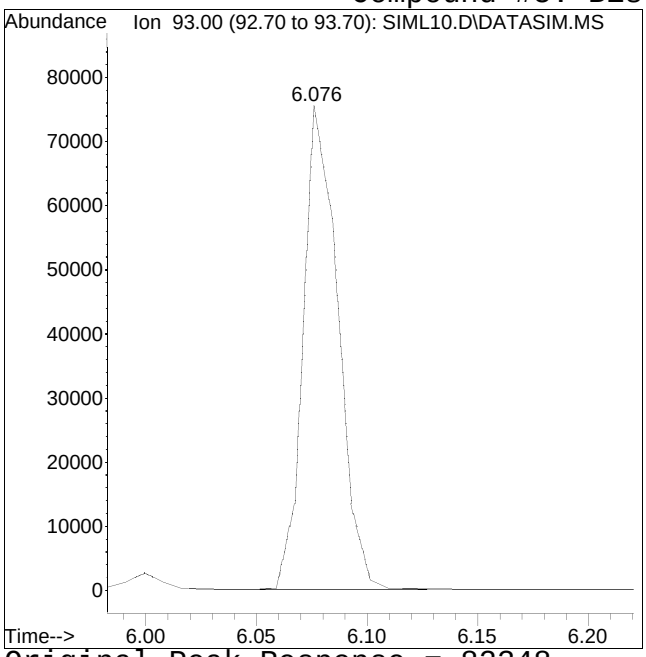
Sub List : Default - All compounds listedIM\SIML8.D•

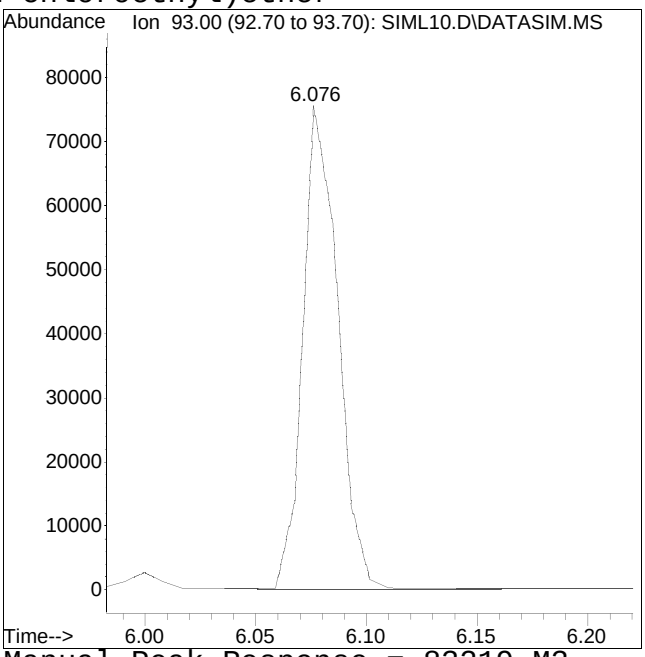


Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML10.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 4/8/2025 3:11 pm

Compound #5: Bis(2-chloroethyl)ether





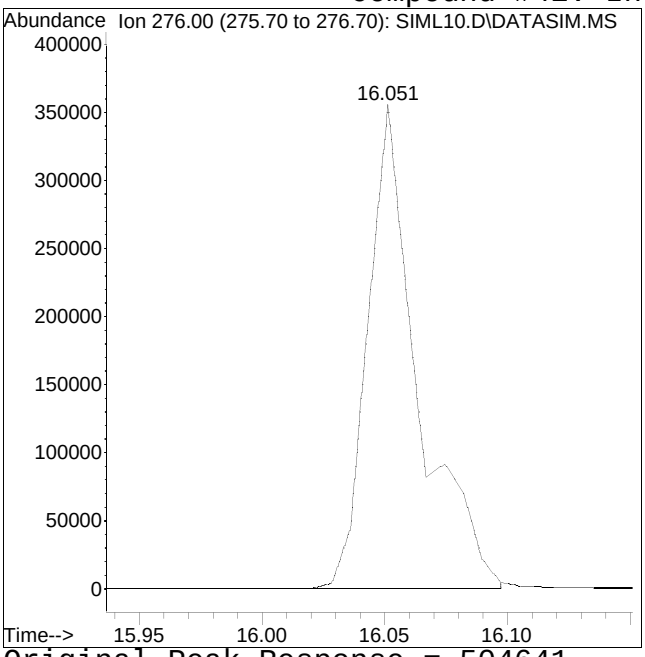
Original Peak Response = 82348 Manual Peak Response = 83219 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

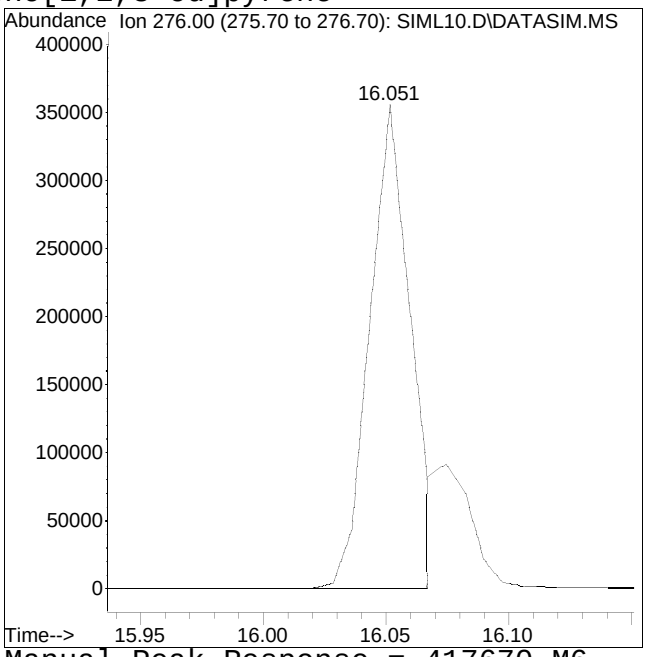
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML10.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 4/8/2025 3:11 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 504641



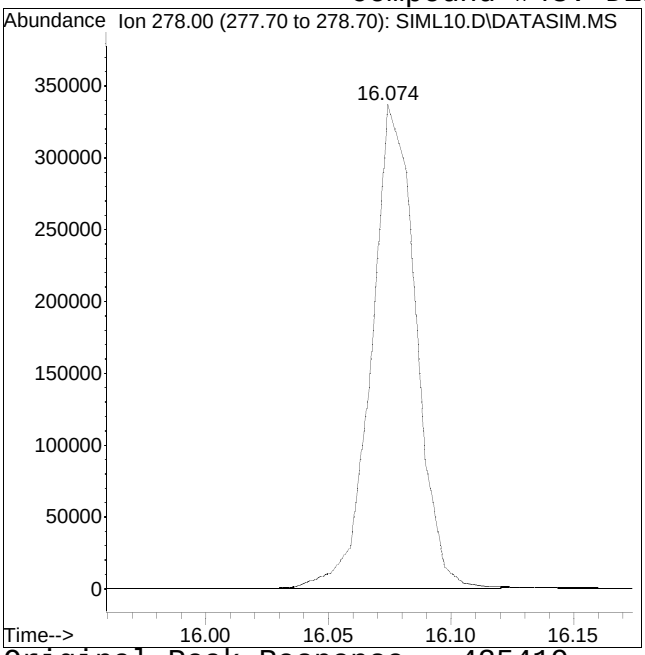
Manual Peak Response = 417670 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

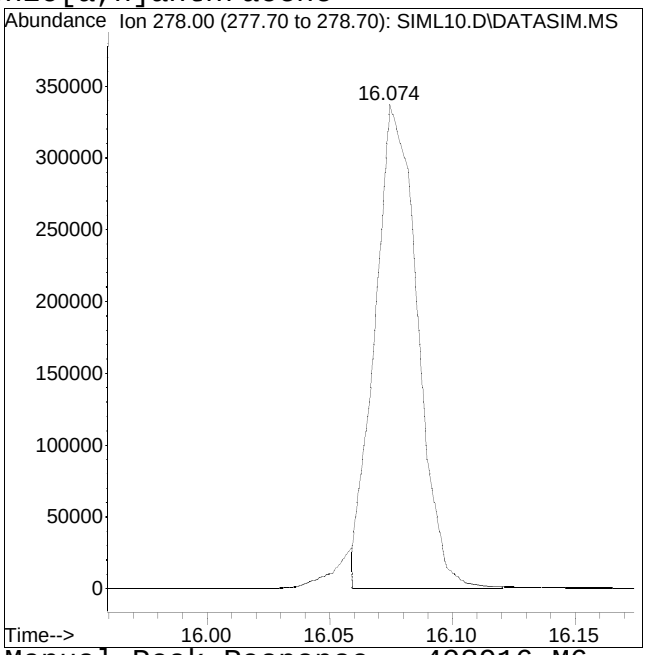
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML10.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:01 pm Instrument : SV 106
Sample : IL5,32,,ABNL5 Lot# 11428 Quant Date : 4/8/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 425419



Manual Peak Response = 403916 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML9.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:dv
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2051155,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 08 15:11:20 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:12:12 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	58999	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 100.17%			
9) Naphthalene-d8	7.788	136	212016	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 100.64%			
18) Acenaphthene-d10	9.556	164	131791	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 101.42%			
23) Phenanthrene-d10	10.993	188	275738	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 102.90%			
33) Chrysene-d12	13.623	240	274723	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 106.74%			
38) Perylene-d12	15.085	264	303590	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 104.79%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.375	112	36387	2428.196	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 121.41%#			
4) Phenol-d6	5.983	99	42638	2395.294	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 119.76%#			
8) Nitrobenzene-d5	7.023	82	35193	2459.016	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 245.90%#			
14) 2-Fluorobiphenyl	8.916	172	110449	2310.578	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 231.06%#			
22) 2,4,6-Tribromophenol	10.320	330	16159	2471.516	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 123.58%#			
32) 4-Terphenyl-d14	12.581	244	150335	2194.232	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 219.42%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.017	74	23618	2408.750	ng/mL	97
5) Bis(2-chloroethyl)ether	6.084	93	37500	2227.486	ng/ml	97
6) Hexachloroethane	6.948	117	16872	2152.947	ng/ml	100
7) n-nitrosodi-n-propylamine	6.903	70	27286	2304.043	ng/ml	100
10) Naphthalene	7.810	128	127073	2162.704	ng/ml	100
11) Hexachlorobutadiene	7.983	225	27413	2192.025	ng/ml	100
12) 2-Methylnaphthalene	8.534	142	77367	2219.325	ng/ml	99
13) 1-Methylnaphthalene	8.624	142	81651	2252.707	ng/ml	100
15) 2-Chloronaphthalene	9.006	162	92747	2233.857	ng/ml	100
16) Acenaphthylene	9.408	152	151028	2426.994	ng/ml	100
17) 2,6-Dinitrotoluene	9.377	165	19090	2626.935	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML9.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:dv
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2051155,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 08 15:11:20 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:12:12 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.588	153	92715	2138.044	ng/ml	100
20) 2,4-Dinitrotoluene	9.767	165	23272	2608.493	ng/ml	93
21) Fluorene	10.087	166	107141	2210.819	ng/ml	100
24) 4,6-Dinitro-o-cresol	10.158	198	12796	2406.417	ng/ml	97
25) Hexachlorobenzene	10.630	284	39187	2151.905	ng/ml	100
26) Pentachlorophenol	10.827	266	19325	2394.118	ng/ml	100
27) Phenanthrene	11.016	178	173191	2128.526	ng/ml	100
28) Anthracene	11.061	178	170606	2258.918	ng/ml	100
29) Fluoranthene	12.169	202	200789	2236.449	ng/ml	100
30) Benzidine	12.328	184	105086	2487.683	ng/mL	100
31) Pyrene	12.384	202	213663	2242.693	ng/ml	100
34) Benzo[a]anthracene	13.615	226	59721	2298.609	ng/ml	99
35) 3,3'-Dichlorobenzidine	13.615	252	78496	2512.204	ng/ml	99
36) Chrysene	13.647	228	201995	2121.717	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	13.742	149	101776	2421.976	ng/ml	100
39) Benzo[b]fluoranthene	14.718	252	198499	2270.692	ng/ml	100
40) Benzo[k]fluoranthene	14.742	252	201260	2665.304	ng/ml	100
41) Benzo[a]pyrene	15.029	252	184484	2603.950	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	16.051	276	183074M6	2310.626	ng/ml	
43) Dibenzo[a,h]anthracene	16.074	278	179985M6	2495.513	ng/ml	
44) Benzo[g,h,i]perylene	16.289	276	181457	2260.930	ng/ml	100

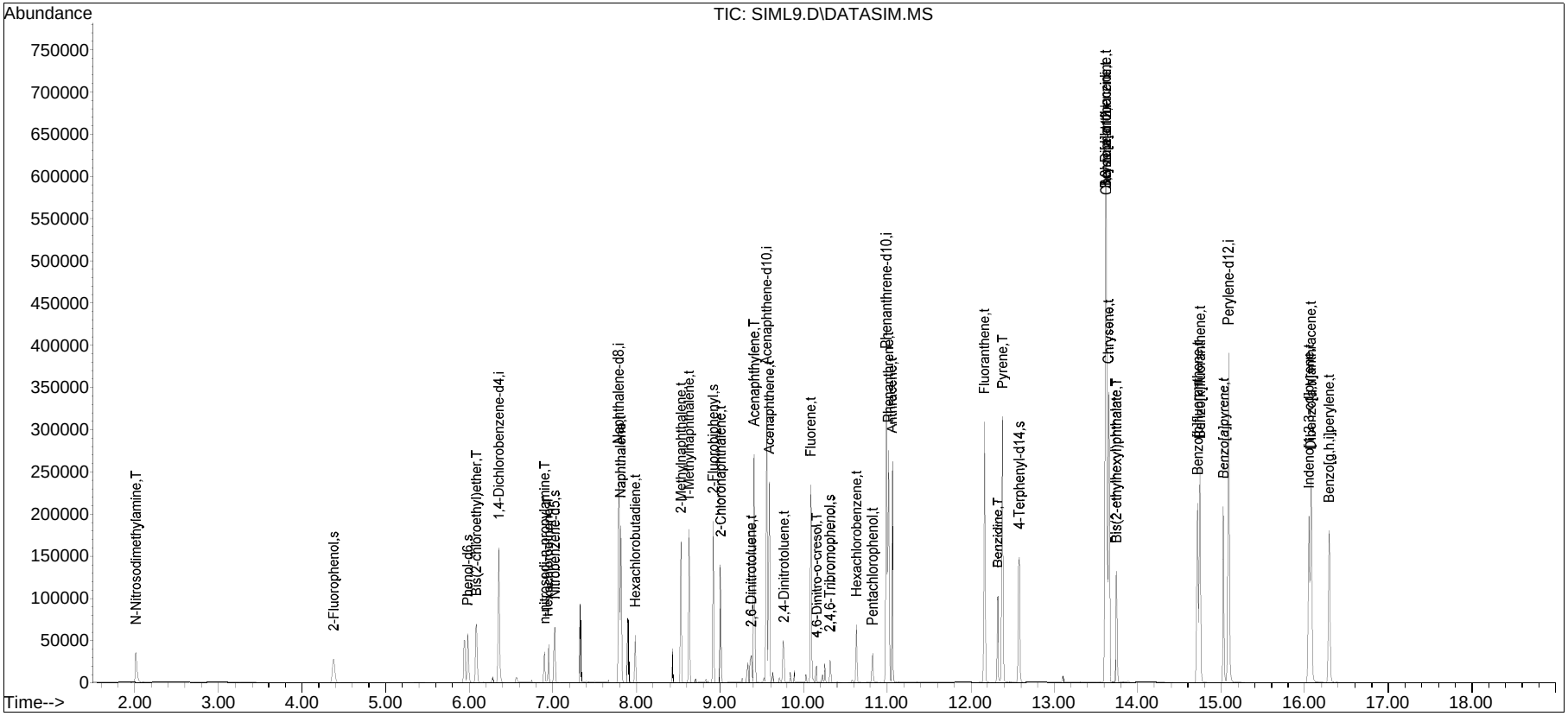
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML9.D
Acq On : 11 Mar 2025 6:24 pm
Operator : SV106:dv
Sample : IL6,32,,ABNL2.5 Lot# 11429
Misc : WG2051155,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Apr 08 15:11:20 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:12:12 2025
Response via : Initial Calibration

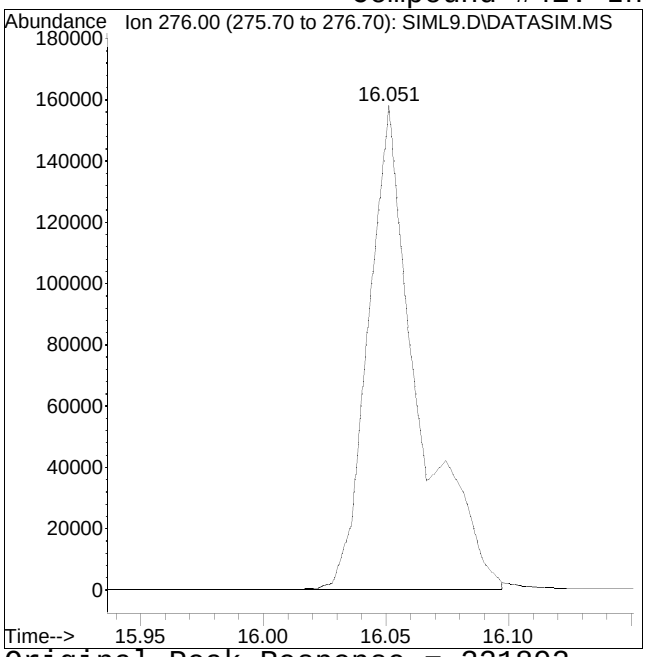
Sub List : Default - All compounds listedIM\SIML8.D•



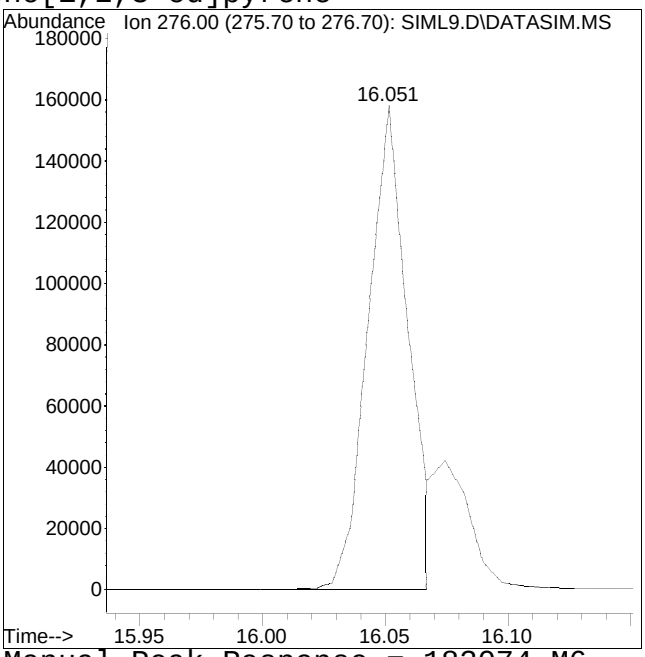
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML9.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:24 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11429Quant Date : 4/8/2025 3:12 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 221892



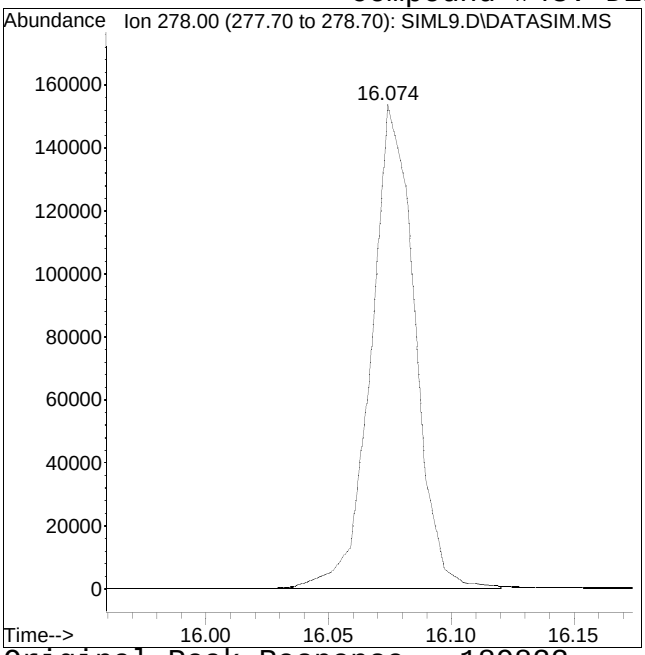
Manual Peak Response = 183074 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

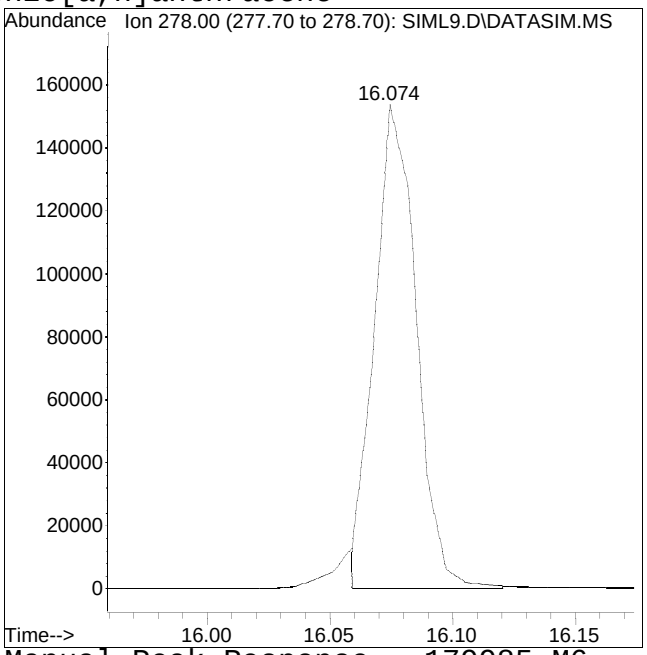
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML9.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:24 pm Instrument : SV 106
Sample : IL6,32,,ABNL2.5 Lot# 11429Quant Date : 4/8/2025 3:12 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 189822



Manual Peak Response = 179985 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML8.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:dv
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2051155,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 08 15:11:10 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:12:02 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	58897	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 100.00%			
9) Naphthalene-d8	7.788	136	210668	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 100.00%			
18) Acenaphthene-d10	9.556	164	129926	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 99.99%			
23) Phenanthrene-d10	10.993	188	267955	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 100.00%			
33) Chrysene-d12	13.623	240	257365	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 100.00%			
38) Perylene-d12	15.085	264	289644	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 99.97%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.375	112	16230	1084.945	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.25%			
4) Phenol-d6	5.982	99	18933	1065.449	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.27%			
8) Nitrobenzene-d5	7.023	82	15258	1067.958	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 106.80%			
14) 2-Fluorobiphenyl	8.916	172	49315	1038.264	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 103.83%			
22) 2,4,6-Tribromophenol	10.320	330	6755	1048.006	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.40%			
32) 4-Terphenyl-d14	12.581	244	64773	972.862	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.29%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.017	74	10376	1060.059	ng/mL	100
5) Bis(2-chloroethyl)ether	6.084	93	17497M3	1041.115	ng/ml	
6) Hexachloroethane	6.948	117	7655	978.506	ng/ml	100
7) n-nitrosodi-n-propylamine	6.903	70	11966	1012.165	ng/ml	100
10) Naphthalene	7.810	128	57848	990.837	ng/ml	100
11) Hexachlorobutadiene	7.982	225	12333	992.494	ng/ml	100
12) 2-Methylnaphthalene	8.534	142	34420	993.679	ng/ml	100
13) 1-Methylnaphthalene	8.624	142	36667	1018.096	ng/ml	100
15) 2-Chloronaphthalene	9.006	162	41652	1009.628	ng/ml	100
16) Acenaphthylene	9.408	152	65651	1061.751	ng/ml	100
17) 2,6-Dinitrotoluene	9.377	165	7416	1027.030	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML8.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:dv
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2051155,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 08 15:11:10 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:12:02 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.588	153	41928	980.755	ng/ml	100
20) 2,4-Dinitrotoluene	9.767	165	8894	1011.213	ng/ml	100
21) Fluorene	10.087	166	47164	987.183	ng/ml	100
24) 4,6-Dinitro-o-cresol	10.158	198	4829	1031.344	ng/ml	100
25) Hexachlorobenzene	10.630	284	17415	984.100	ng/ml	100
26) Pentachlorophenol	10.827	266	7623	1048.071	ng/ml	100
27) Phenanthrene	11.016	178	77744	983.231	ng/ml	100
28) Anthracene	11.061	178	74802	1019.187	ng/ml	100
29) Fluoranthene	12.169	202	87078	998.073	ng/ml	100
30) Benzidine	12.328	184	38596	1062.640	ng/mL	100
31) Pyrene	12.384	202	93421	1009.066	ng/ml	100
34) Benzo[a]anthracene	13.615	226	25292	1037.690	ng/ml	100
35) 3,3'-Dichlorobenzidine	13.615	252	29633	1012.345	ng/ml	100
36) Chrysene	13.647	228	87887	985.410	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	13.742	149	36115	1020.422	ng/ml	100
39) Benzo[b]fluoranthene	14.710	252	85023	1019.434	ng/ml	100
40) Benzo[k]fluoranthene	14.742	252	81406	1129.974	ng/ml	100
41) Benzo[a]pyrene	15.029	252	75122	1111.383	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	16.051	276	79077M6	1046.107	ng/ml	
43) Dibenzo[a,h]anthracene	16.074	278	78619M6	1142.547	ng/ml	
44) Benzo[g,h,i]perylene	16.289	276	78266	1022.138	ng/ml	100

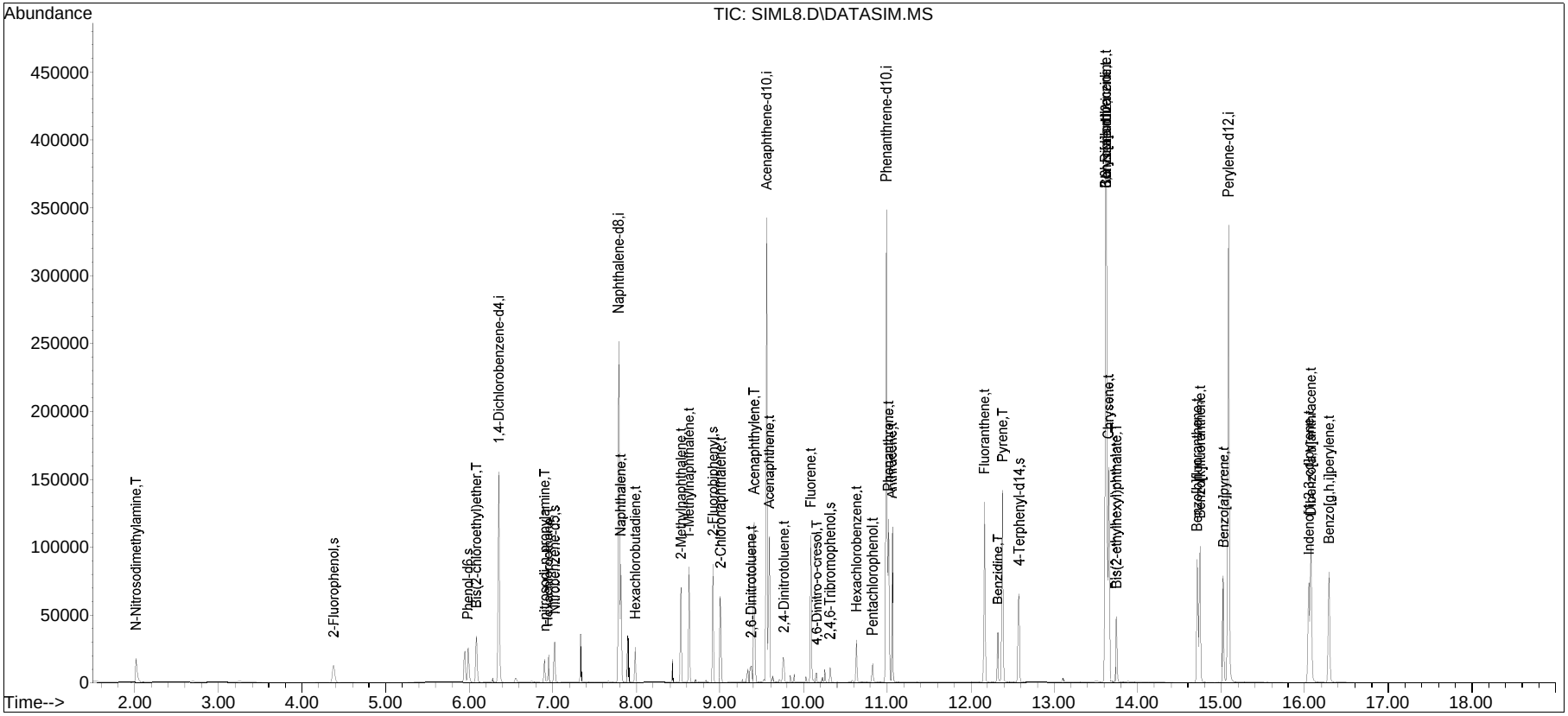
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML8.D
Acq On : 11 Mar 2025 6:48 pm
Operator : SV106:dv
Sample : IL7,32,,ABNL1 Lot# 11430
Misc : WG2051155,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 08 15:11:10 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:12:02 2025
Response via : Initial Calibration

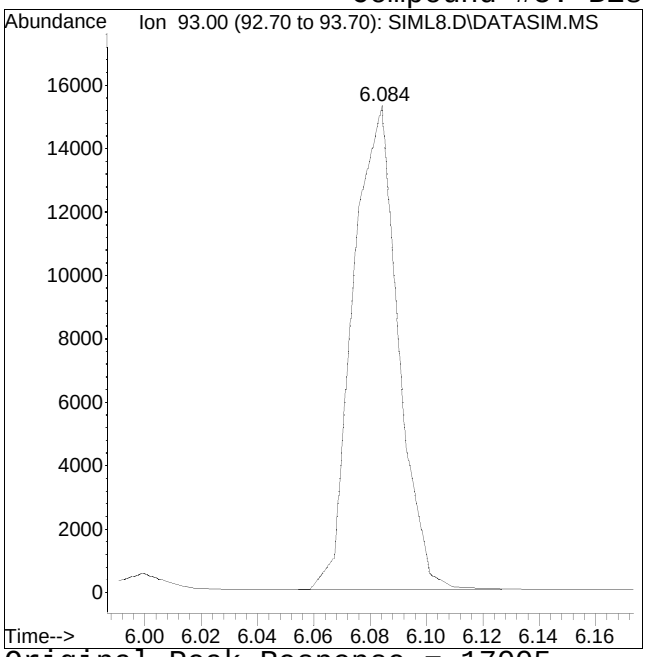
Sub List : Default - All compounds listedIM\SIML8.D•



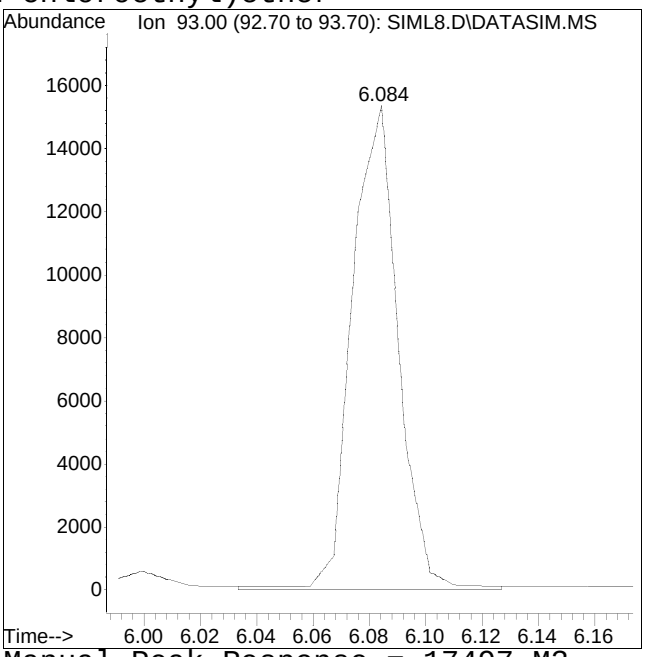
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML8.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:48 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11430 Quant Date : 4/8/2025 3:12 pm

Compound #5: Bis(2-chloroethyl)ether



Original Peak Response = 17005



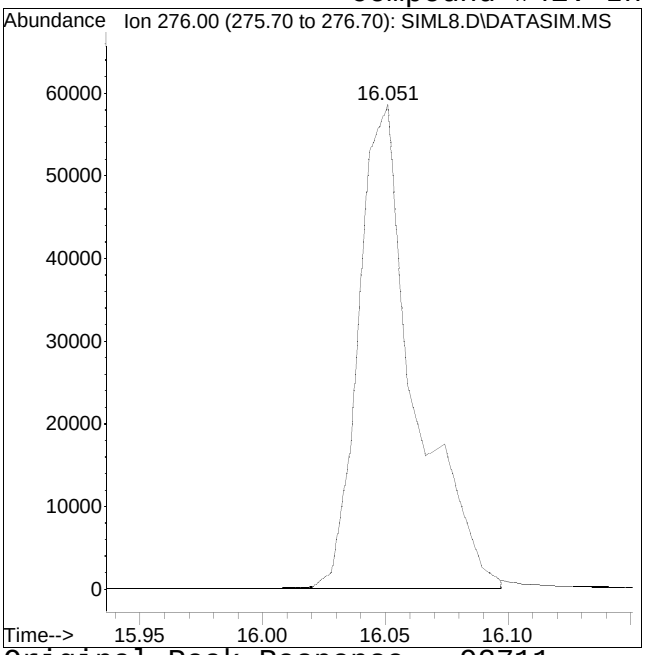
Manual Peak Response = 17497 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

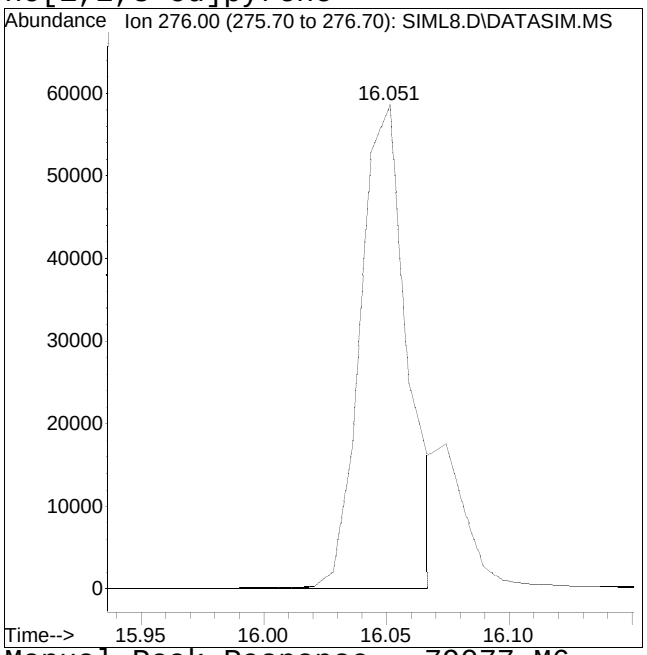
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML8.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:48 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11430 Quant Date : 4/8/2025 3:12 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 92711



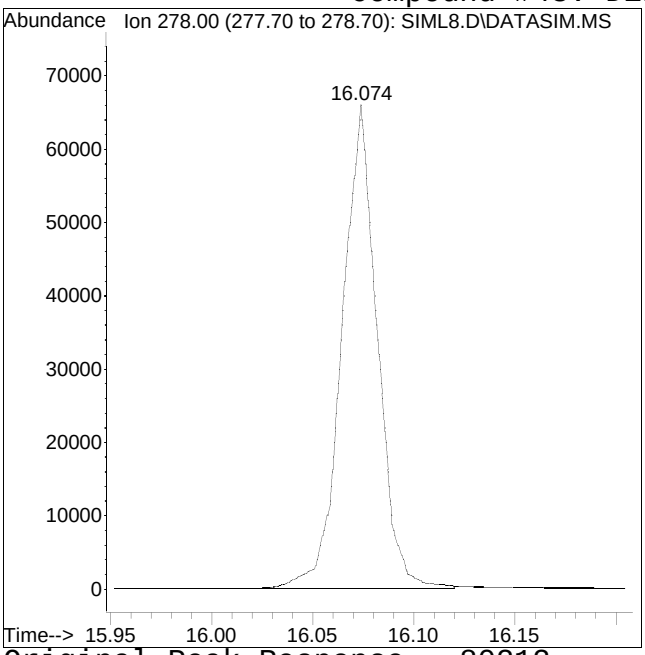
Manual Peak Response = 79077 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

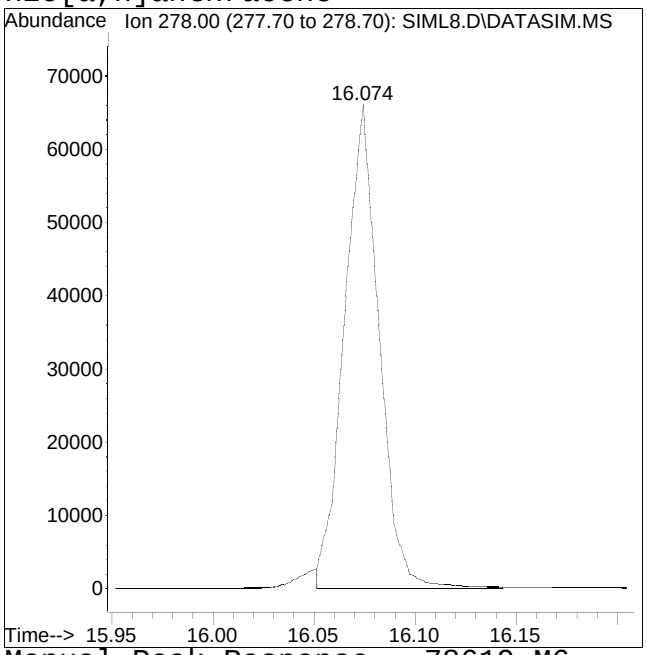
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML8.D Operator : SV106:dv
Date Inj'd : 3/11/2025 6:48 pm Instrument : SV 106
Sample : IL7,32,,ABNL1 Lot# 11430 Quant Date : 4/8/2025 3:12 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 80212



Manual Peak Response = 78619 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML7.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:dv
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2051155,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 08 15:11:00 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	60969	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 103.52%			
9) Naphthalene-d8	7.788	136	216774	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 102.90%			
18) Acenaphthene-d10	9.556	164	132072	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 101.64%			
23) Phenanthrene-d10	10.993	188	278147	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 103.80%			
33) Chrysene-d12	13.623	240	266549	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 103.57%			
38) Perylene-d12	15.085	264	293890	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 101.44%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.382	112	8993	580.735	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 29.04%			
4) Phenol-d6	5.983	99	10583	575.316	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 28.77%			
8) Nitrobenzene-d5	7.023	82	8373	566.137	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 56.61%			
14) 2-Fluorobiphenyl	8.916	172	28004	572.981	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 57.30%			
22) 2,4,6-Tribromophenol	10.320	330	3658	558.300	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 27.91%			
32) 4-Terphenyl-d14	12.572	244	36525	528.488	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 52.85%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.032	74	5901	582.385	ng/mL	99
5) Bis(2-chloroethyl)ether	6.084	93	9576	550.432	ng/ml	99
6) Hexachloroethane	6.948	117	4324	533.934	ng/ml	98
7) n-nitrosodi-n-propylamine	6.903	70	6676	545.510	ng/ml	100
10) Naphthalene	7.810	128	32292	537.527	ng/ml	100
11) Hexachlorobutadiene	7.983	225	6999	547.377	ng/ml	100
12) 2-Methylnaphthalene	8.534	142	19538	548.159	ng/ml	100
13) 1-Methylnaphthalene	8.624	142	20730	559.376	ng/ml	100
15) 2-Chloronaphthalene	9.006	162	23630	556.648	ng/ml	100
16) Acenaphthylene	9.408	152	36515	573.910	ng/ml	100
17) 2,6-Dinitrotoluene	9.377	165	3841	516.951	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML7.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:dv
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2051155,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 08 15:11:00 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:52 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.588	153	23544	541.779	ng/ml	99
20) 2,4-Dinitrotoluene	9.767	165	4516	505.109	ng/ml	91
21) Fluorene	10.087	166	26362	542.814	ng/ml	100
24) 4,6-Dinitro-o-cresol	10.151	198	2477	533.537	ng/ml	100
25) Hexachlorobenzene	10.630	284	10094	549.499	ng/ml	100
26) Pentachlorophenol	10.827	266	3955	536.294	ng/ml	100
27) Phenanthrene	11.016	178	44579	543.133	ng/ml	100
28) Anthracene	11.061	178	41768	548.242	ng/ml	100
29) Fluoranthene	12.169	202	48522	535.772	ng/ml	100
30) Benzidine	12.319	184	18527	515.848	ng/mL	100
31) Pyrene	12.384	202	51893	539.972	ng/ml	100
34) Benzo[a]anthracene	13.607	226	14261	563.755	ng/ml	98
35) 3,3'-Dichlorobenzidine	13.615	252	15598	514.510	ng/ml	99
36) Chrysene	13.647	228	50131	542.714	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	13.742	149	18844	534.866	ng/ml	100
39) Benzo[b]fluoranthene	14.710	252	47907	566.111	ng/ml	100
40) Benzo[k]fluoranthene	14.742	252	43944	601.162	ng/ml	100
41) Benzo[a]pyrene	15.021	252	40184	585.908	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	16.044	276	41911M6	546.429	ng/ml	
43) Dibenzo[a,h]anthracene	16.074	278	41658M6	596.657	ng/ml	
44) Benzo[g,h,i]perylene	16.289	276	42146	542.466	ng/ml	100

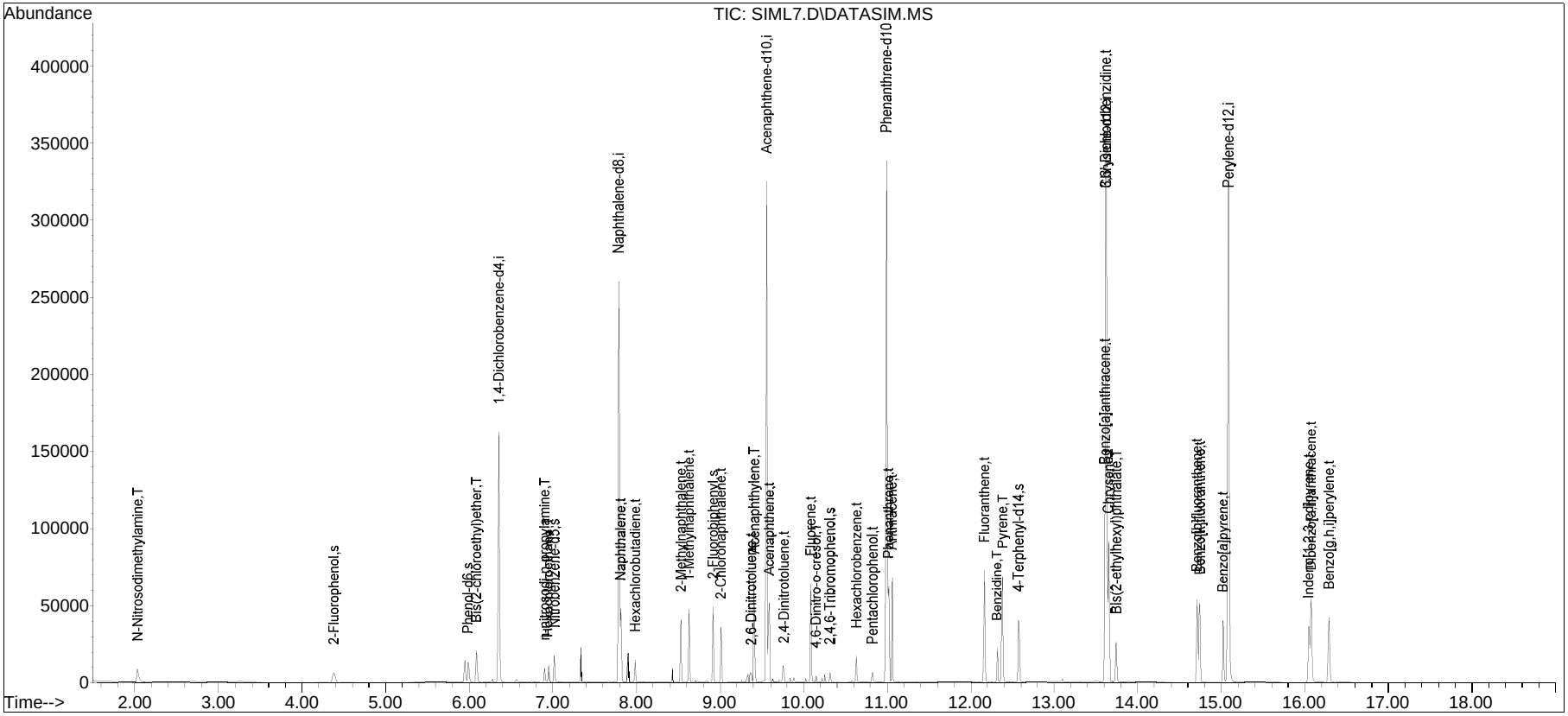
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML7.D
Acq On : 11 Mar 2025 7:11 pm
Operator : SV106:dv
Sample : IL8,32,,ABNL0.5 Lot# 11431
Misc : WG2051155,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Apr 08 15:11:00 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:52 2025
Response via : Initial Calibration

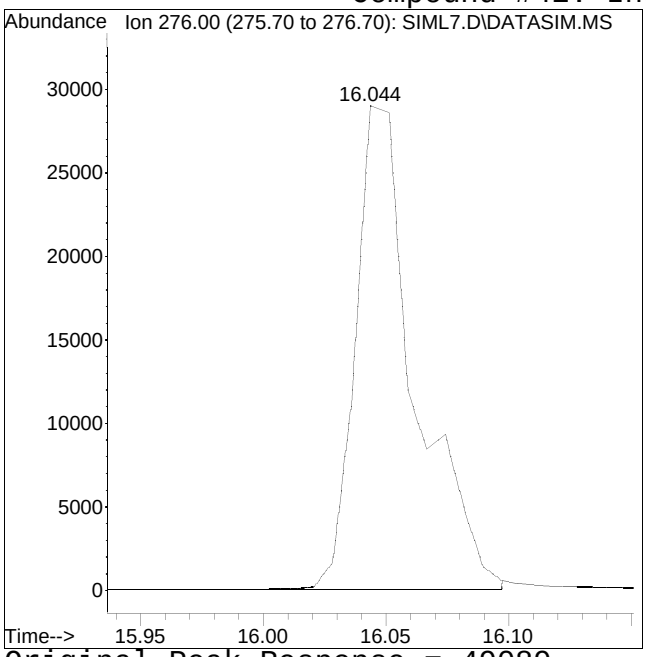
Sub List : Default - All compounds listedIM\SIML8.D•



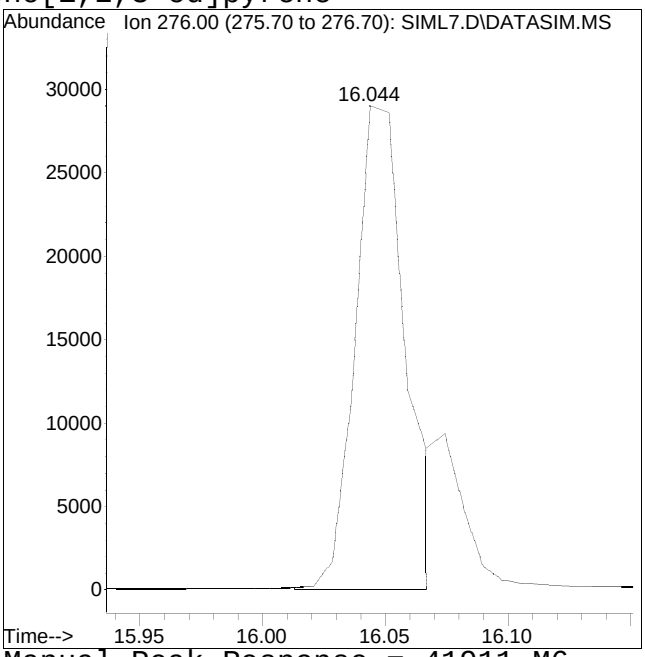
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML7.D Operator : SV106:dv
Date Inj'd : 3/11/2025 7:11 pm Instrument : SV 106
Sample : IL8,32,,ABNL0.5 Lot# 11431Quant Date : 4/8/2025 3:11 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 49089



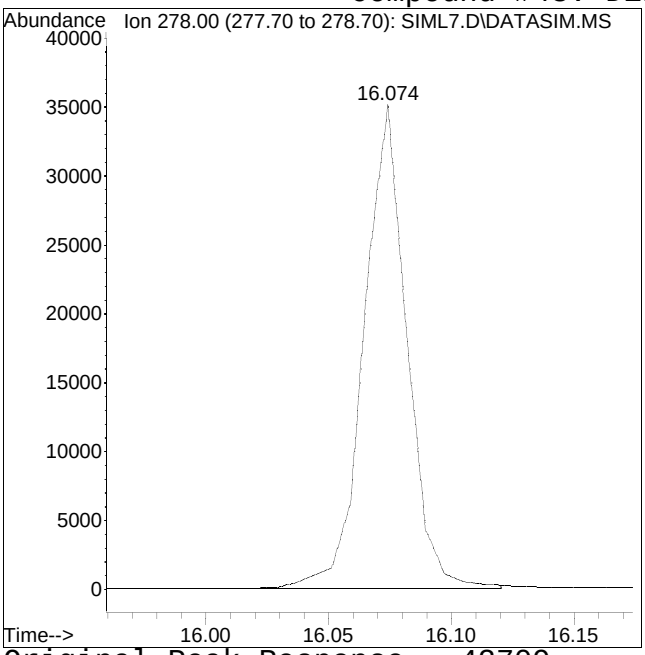
Manual Peak Response = 41911 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

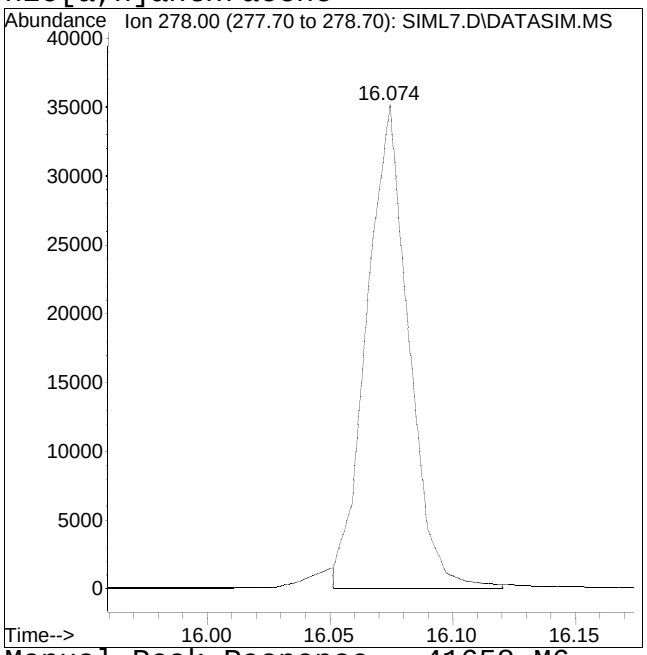
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML7.D
Date Inj'd : 3/11/2025 7:11 pm
Sample : IL8,32,,ABNL0.5 Lot# 11431
Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 42709



Manual Peak Response = 41658 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML6.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:dv
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2051155,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 08 15:10:50 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:42 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	62938	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 106.86%			
9) Naphthalene-d8	7.788	136	221284	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 105.04%			
18) Acenaphthene-d10	9.556	164	132182	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 101.72%			
23) Phenanthrene-d10	10.993	188	279540	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 104.32%			
33) Chrysene-d12	13.623	240	255580	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 99.31%			
38) Perylene-d12	15.085	264	277071	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 95.64%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.382	112	1816	113.602	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.68%#			
4) Phenol-d6	5.982	99	2142	112.801	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.64%#			
8) Nitrobenzene-d5	7.023	82	1638	107.288	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.73%#			
14) 2-Fluorobiphenyl	8.916	172	6097	122.206	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 12.22%#			
22) 2,4,6-Tribromophenol	10.320	330	708	107.968	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.40%#			
32) 4-Terphenyl-d14	12.572	244	7913	113.924	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 11.39%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.039	74	1232	117.785	ng/mL#	98
5) Bis(2-chloroethyl)ether	6.084	93	1985	110.529	ng/ml	100
6) Hexachloroethane	6.948	117	887	106.102	ng/ml	99
7) n-nitrosodi-n-propylamine	6.910	70	1416	112.085	ng/ml	99
10) Naphthalene	7.810	128	6922	112.874	ng/ml	99
11) Hexachlorobutadiene	7.982	225	1463	112.086	ng/ml	97
12) 2-Methylnaphthalene	8.534	142	4166	114.499	ng/ml	99
13) 1-Methylnaphthalene	8.624	142	4437	117.287	ng/ml	99
15) 2-Chloronaphthalene	9.006	162	5101	117.714	ng/ml	99
16) Acenaphthylene	9.408	152	7642	117.662	ng/ml	99
17) 2,6-Dinitrotoluene	9.377	165	737	97.169	ng/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML6.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:dv
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2051155,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 08 15:10:50 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:42 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.588	153	5231M7	120.272	ng/ml	
20) 2,4-Dinitrotoluene	9.767	165	858M7	95.886	ng/ml	
21) Fluorene	10.087	166	5723	117.743	ng/ml	99
24) 4,6-Dinitro-o-cresol	10.151	198	453	109.161	ng/ml#	82
25) Hexachlorobenzene	10.630	284	2265	122.688	ng/ml	100
26) Pentachlorophenol	10.827	266	779	100.087	ng/ml	97
27) Phenanthrene	11.016	178	10145	122.987	ng/ml	96
28) Anthracene	11.061	178	9138	119.347	ng/ml	100
29) Fluoranthene	12.169	202	10439	114.691	ng/ml	98
30) Benzidine	12.319	184	1068	27.671	ng/mL	97
31) Pyrene	12.384	202	10955	113.424	ng/ml	100
34) Benzo[a]anthracene	13.607	226	2818	114.105	ng/ml	84
35) 3,3'-Dichlorobenzidine	13.615	252	2910	100.108	ng/ml#	93
36) Chrysene	13.647	228	10634	120.064	ng/ml	98
37) Bis(2-ethylhexyl)phtha...	13.742	149	3530	108.278	ng/ml	100
39) Benzo[b]fluoranthene	14.710	252	9630	120.704	ng/ml	100
40) Benzo[k]fluoranthene	14.734	252	7939	115.200	ng/ml	100
41) Benzo[a]pyrene	15.021	252	7614	117.756	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	16.044	276	8388M6	116.000	ng/ml	
43) Dibenzo[a,h]anthracene	16.074	278	7846M6	119.198	ng/ml	
44) Benzo[g,h,i]perylene	16.289	276	8567	116.960	ng/ml	100

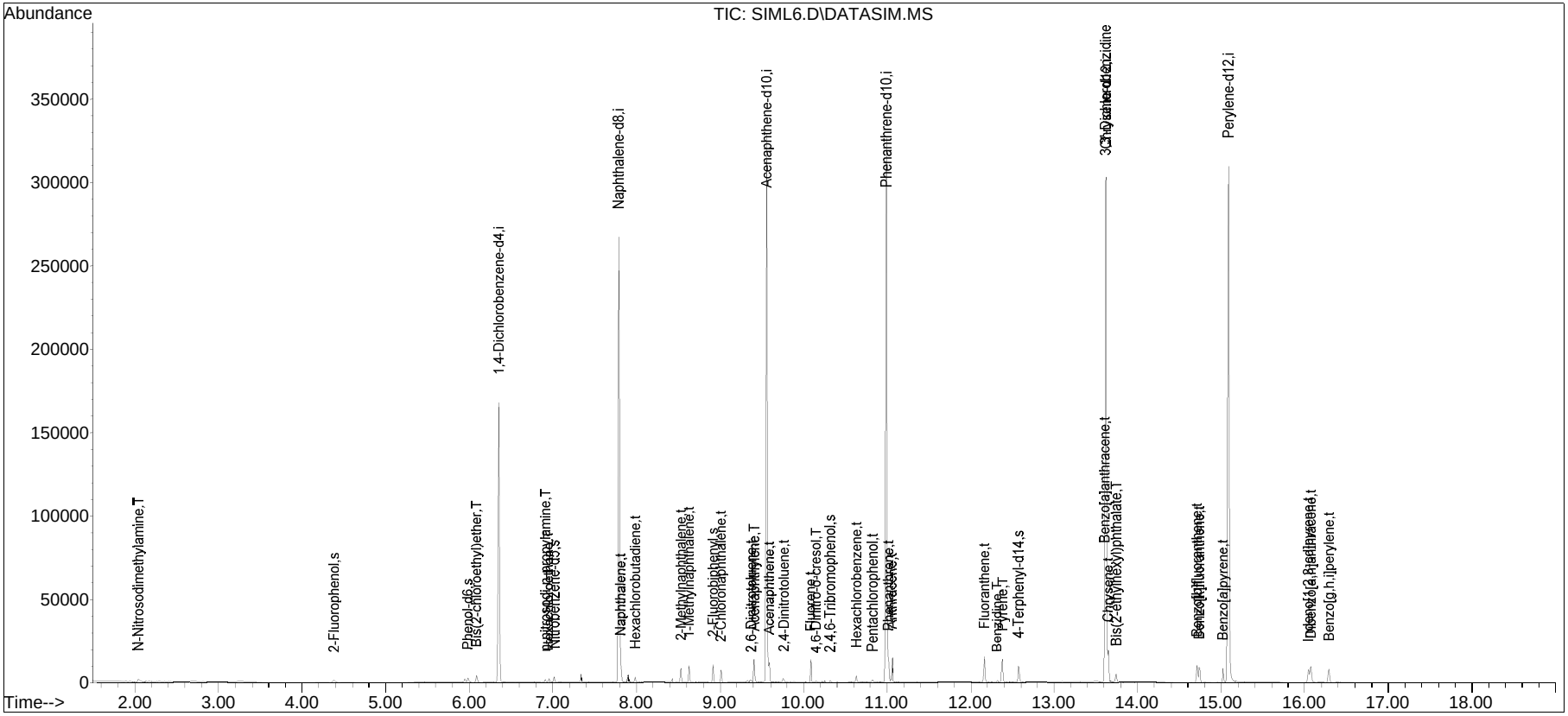
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML6.D
Acq On : 11 Mar 2025 7:58 pm
Operator : SV106:dv
Sample : IL10,32,,ABNL0.1 Lot# 11433
Misc : WG2051155,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 08 15:10:50 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:42 2025
Response via : Initial Calibration

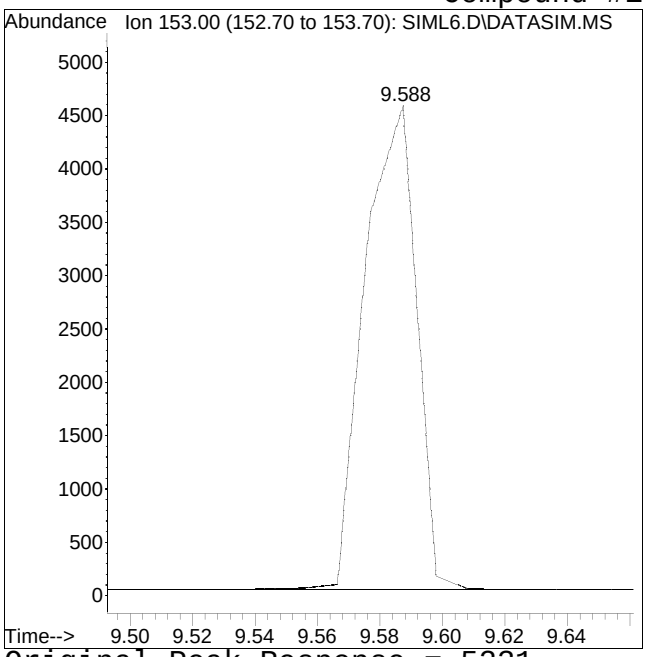
Sub List : Default - All compounds listedIM\SIML8.D•

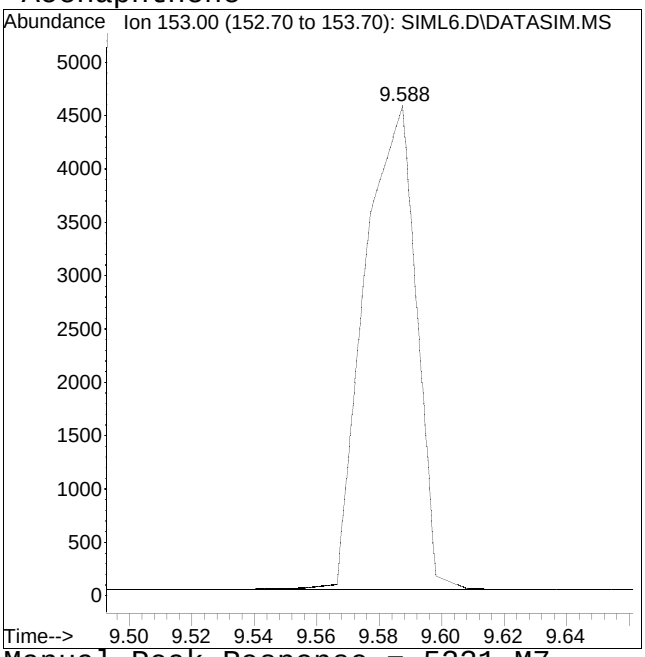


Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML6.D
Date Inj'd : 3/11/2025 7:58 pm
Sample : IL10,32,,ABNL0.1 Lot# 1143
Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 3:11 pm

Compound #19: Acenaphthene



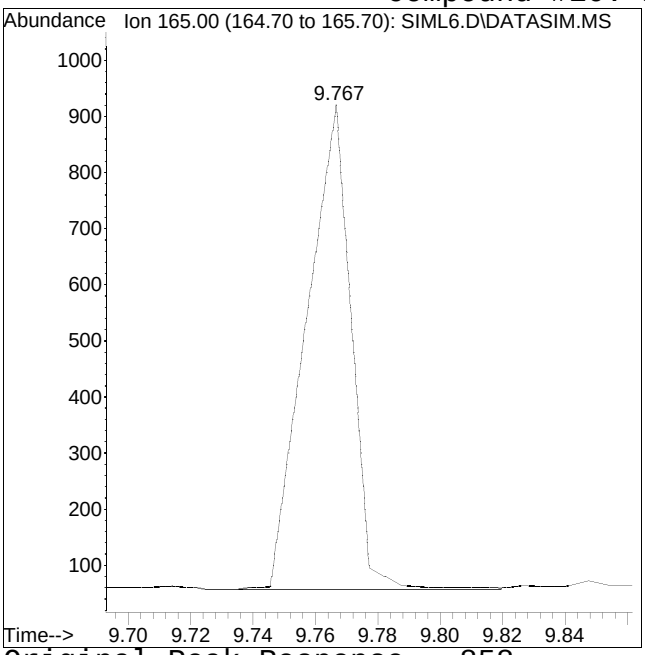


Original Peak Response = 5231 Manual Peak Response = 5231 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

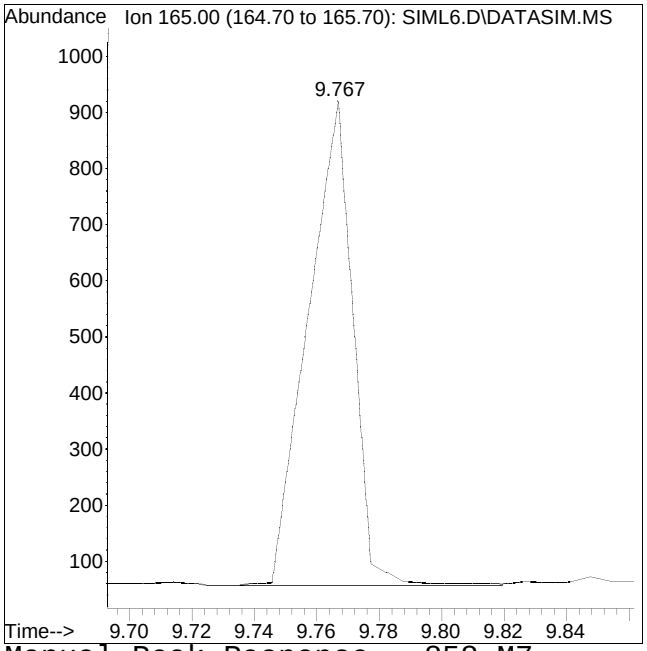
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML6.D
Date Inj'd : 3/11/2025 7:58 pm
Sample : IL10,32,,ABNL0.1 Lot# 1143
Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 3:11 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 858



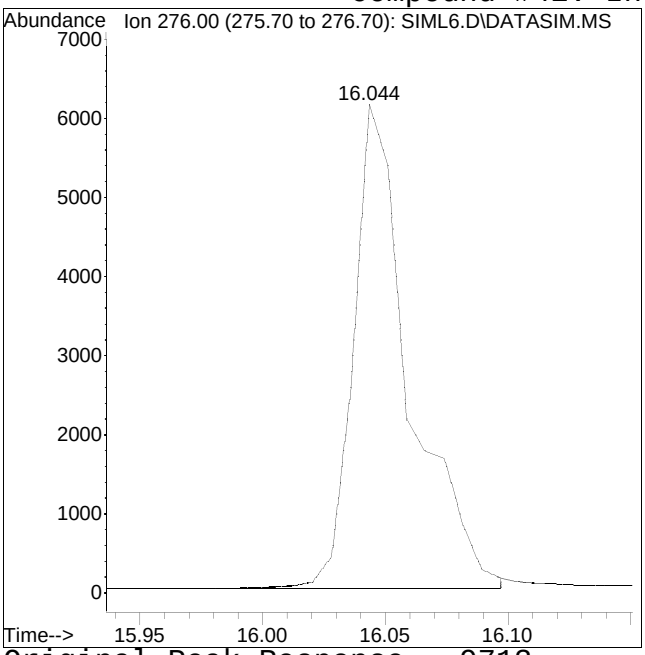
Manual Peak Response = 858 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

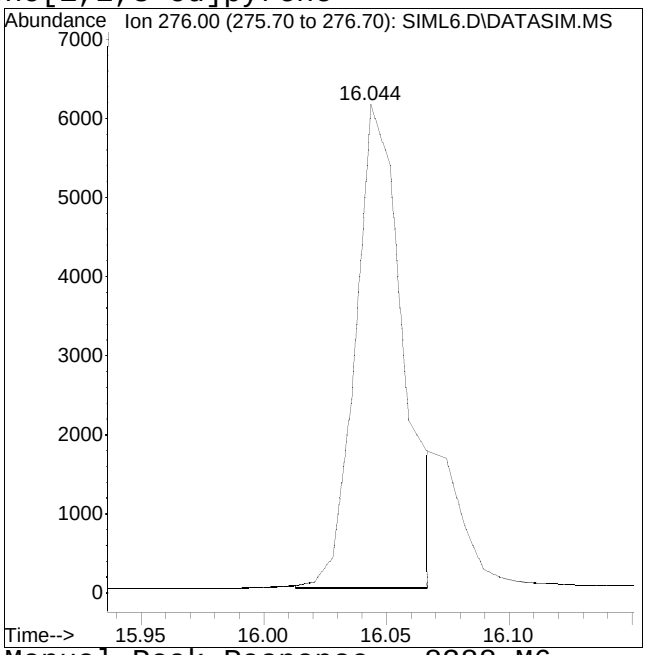
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML6.D
Date Inj'd : 3/11/2025 7:58 pm
Sample : IL10,32,,ABNL0.1 Lot# 1143
Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 3:11 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 9713



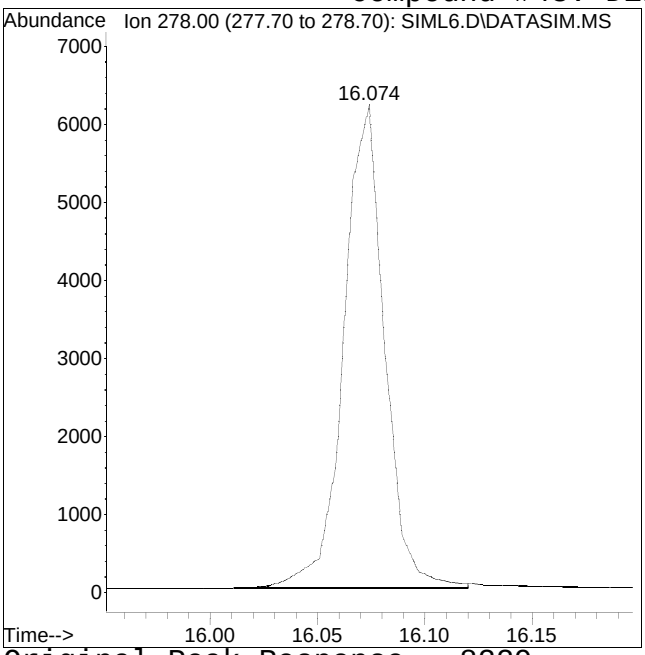
Manual Peak Response = 8388 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

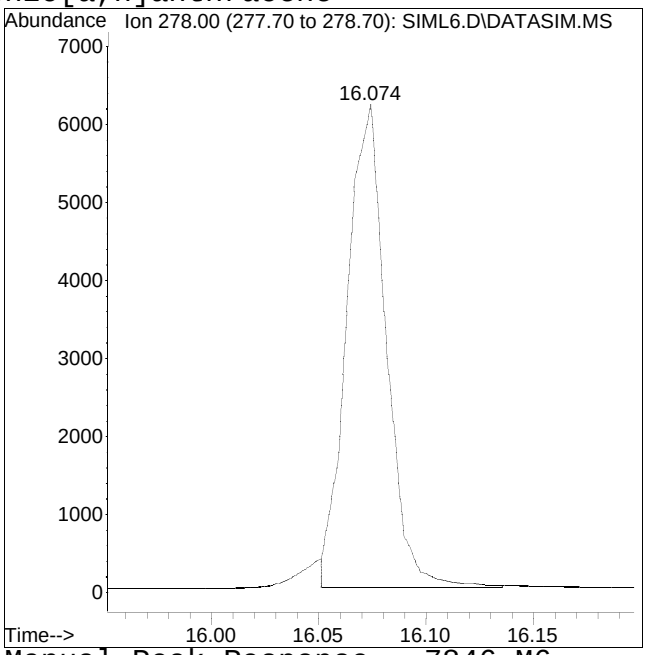
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML6.D
Date Inj'd : 3/11/2025 7:58 pm
Sample : IL10,32,,ABNL0.1 Lot# 1143
Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 8229



Manual Peak Response = 7846 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML5.D
Acq On : 11 Mar 2025 8:21 pm
Operator : SV106:dv
Sample : IL5,32,,0.04 Lot# 11284
Misc : WG2051155,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 08 15:10:40 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	74298	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 126.15%			
9) Naphthalene-d8	7.788	136	262996	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 124.84%			
18) Acenaphthene-d10	9.556	164	159911	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 123.06%			
23) Phenanthrene-d10	10.993	188	340118	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 126.93%			
33) Chrysene-d12	13.615	240	315503	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 122.59%			
38) Perylene-d12	15.085	264	348518	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 120.30%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.375	112	664	35.186	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.76%#			
4) Phenol-d6	5.982	99	794	35.420	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.77%#			
8) Nitrobenzene-d5	7.023	82	604	33.513	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.35%#			
14) 2-Fluorobiphenyl	8.916	172	2109	35.568	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.56%#			
22) 2,4,6-Tribromophenol	10.320	330	246	31.009	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.55%#			
32) 4-Terphenyl-d14	12.572	244	2736	32.375	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.24%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.046	74	457	37.011	ng/mL#	97
5) Bis(2-chloroethyl)ether	6.084	93	781	36.839	ng/ml	98
6) Hexachloroethane	6.948	117	355	35.972	ng/ml	98
7) n-nitrosodi-n-propylamine	6.910	70	508	34.063	ng/ml	100
10) Naphthalene	7.810	128	2638	36.194	ng/ml	99
11) Hexachlorobutadiene	7.982	225	587	37.840	ng/ml	94
12) 2-Methylnaphthalene	8.534	142	1574	36.399	ng/ml	99
13) 1-Methylnaphthalene	8.624	142	1645	36.587	ng/ml	98
15) 2-Chloronaphthalene	9.006	162	1858	36.076	ng/ml	98
16) Acenaphthylene	9.408	152	2702	35.004	ng/ml	100
17) 2,6-Dinitrotoluene	9.377	165	273	30.285	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML5.D
Acq On : 11 Mar 2025 8:21 pm
Operator : SV106:dv
Sample : IL5,32,,0.04 Lot# 11284
Misc : WG2051155,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 08 15:10:40 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:32 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.587	153	1883M7	35.787	ng/ml	
20) 2,4-Dinitrotoluene	9.767	165	307M7	28.360	ng/ml	
21) Fluorene	10.087	166	2001	34.029	ng/ml	99
24) 4,6-Dinitro-o-cresol	10.158	198	126	33.602	ng/ml	95
25) Hexachlorobenzene	10.630	284	783	34.859	ng/ml	97
26) Pentachlorophenol	10.827	266	342	29.840	ng/ml	99
27) Phenanthrene	11.016	178	3444M6	34.315	ng/ml	
28) Anthracene	11.061	178	3191	34.253	ng/ml	100
29) Fluoranthene	12.169	202	3825	34.540	ng/ml	99
30) Benzidine	12.319	184	1838	40.581	ng/mL	99
31) Pyrene	12.384	202	3943	33.553	ng/ml	99
34) Benzo[a]anthracene	13.607	226	1101	34.328	ng/ml#	65
35) 3,3'-Dichlorobenzidine	13.615	252	1156	32.215	ng/ml#	75
36) Chrysene	13.647	228	3924	35.890	ng/ml	97
37) Bis(2-ethylhexyl)phtha...	13.742	149	1365	34.073	ng/ml	97
39) Benzo[b]fluoranthene	14.710	252	3480	34.677	ng/ml	99
40) Benzo[k]fluoranthene	14.734	252	2655	30.628	ng/ml	100
41) Benzo[a]pyrene	15.021	252	2635	32.398	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	16.044	276	2821M6	31.015	ng/ml	
43) Dibenzo[a,h]anthracene	16.067	278	2693M6	32.525	ng/ml	
44) Benzo[g,h,i]perylene	16.281	276	3076	33.386	ng/ml	100

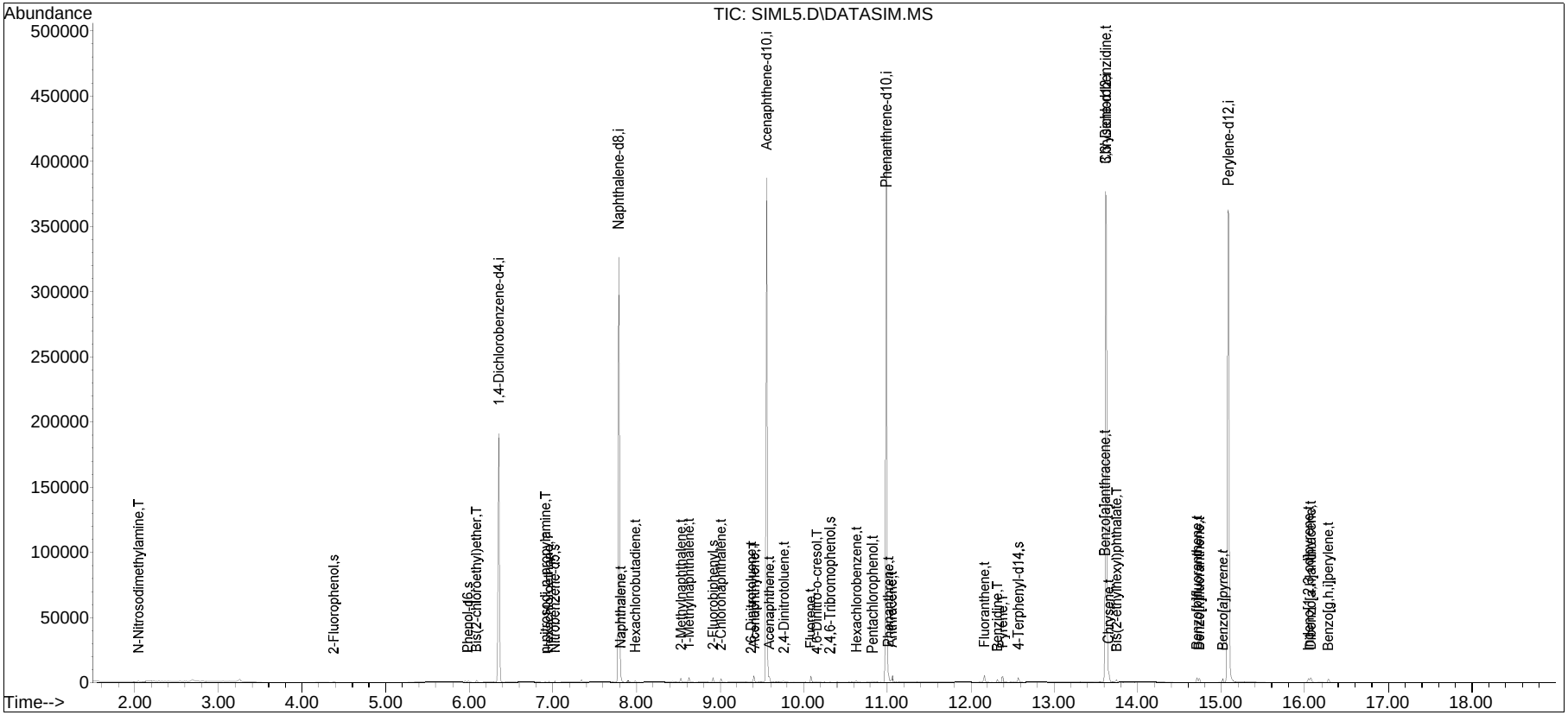
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML5.D
Acq On : 11 Mar 2025 8:21 pm
Operator : SV106:dv
Sample : IL5,32,,0.04 Lot# 11284
Misc : WG2051155,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 08 15:10:40 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 15:11:32 2025
Response via : Initial Calibration

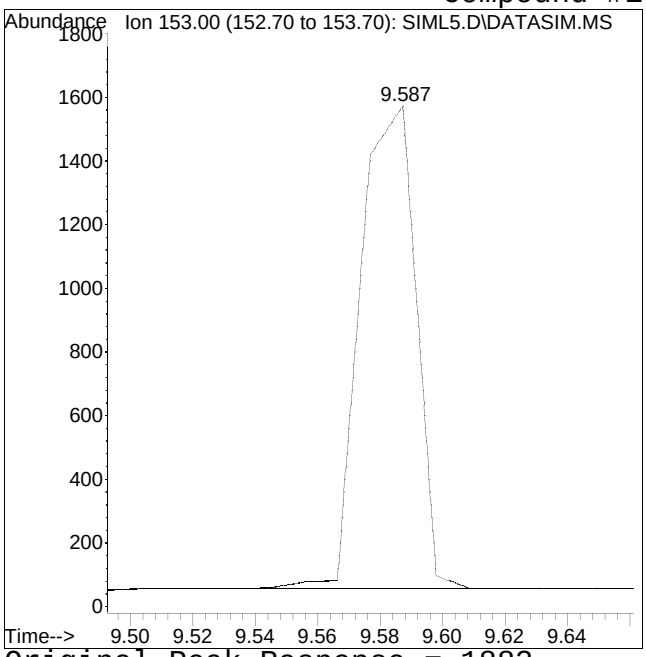
Sub List : Default - All compounds listedIM\SIML8.D•

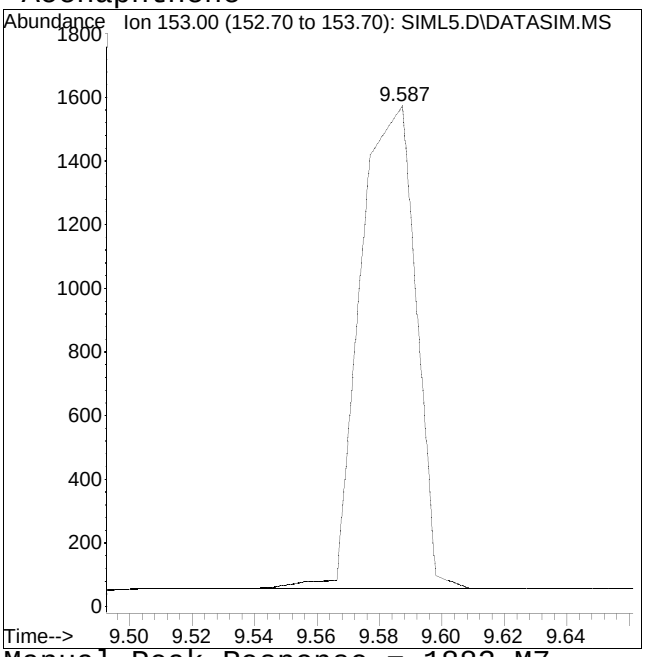


Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML5.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:21 pm Instrument : SV 106
Sample : IL5,32,,0.04 Lot# 11284 Quant Date : 4/8/2025 3:11 pm

Compound #19: Acenaphthene



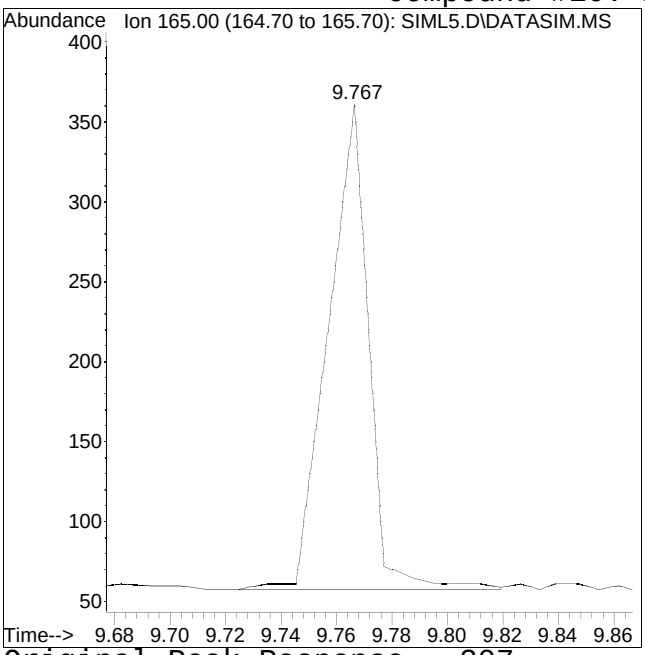


Original Peak Response = 1883 Manual Peak Response = 1883 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

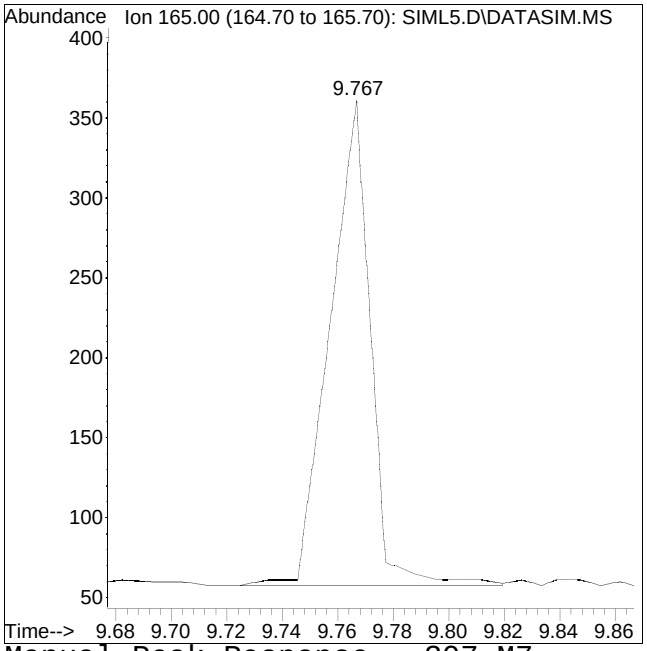
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML5.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:21 pm Instrument : SV 106
Sample : IL5,32,,0.04 Lot# 11284 Quant Date : 4/8/2025 3:11 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 307



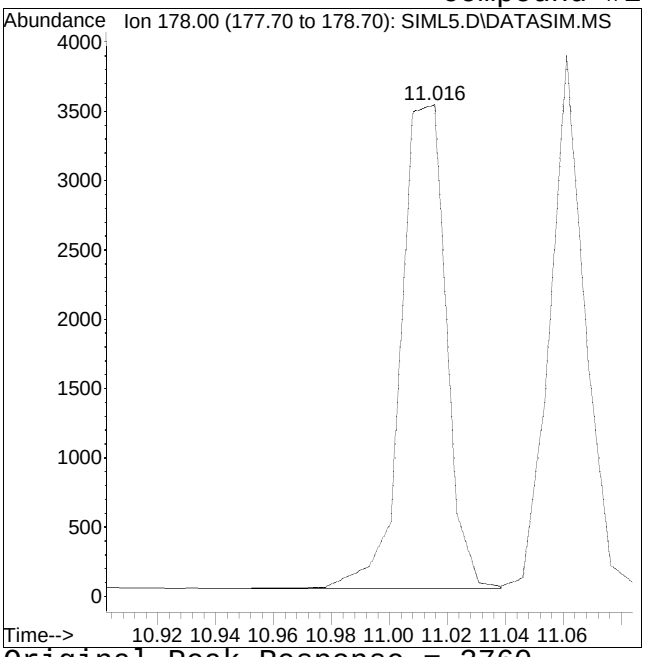
Manual Peak Response = 307 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

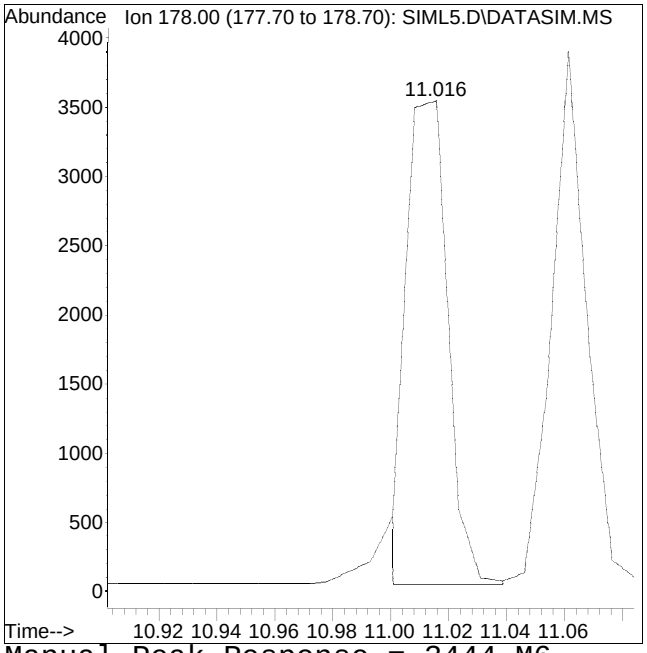
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML5.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:21 pm Instrument : SV 106
Sample : IL5,32,,0.04 Lot# 11284 Quant Date : 4/8/2025 3:11 pm

Compound #27: Phenanthrene



Original Peak Response = 3760



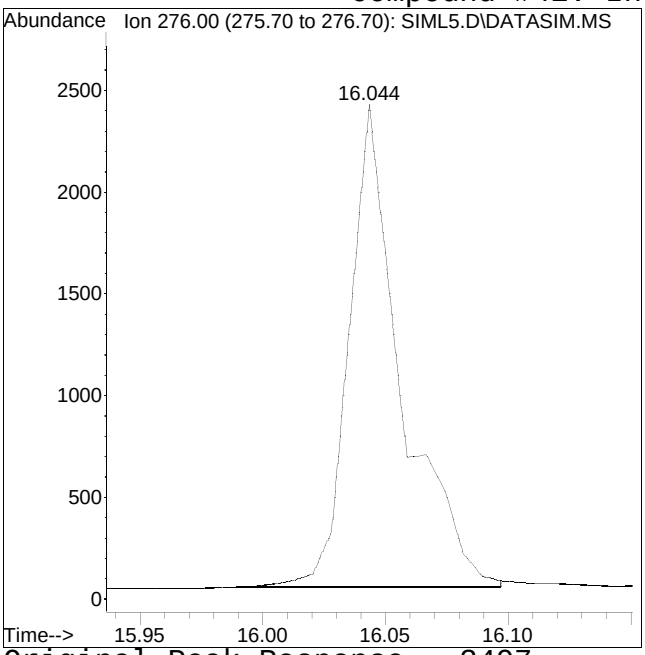
Manual Peak Response = 3444 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

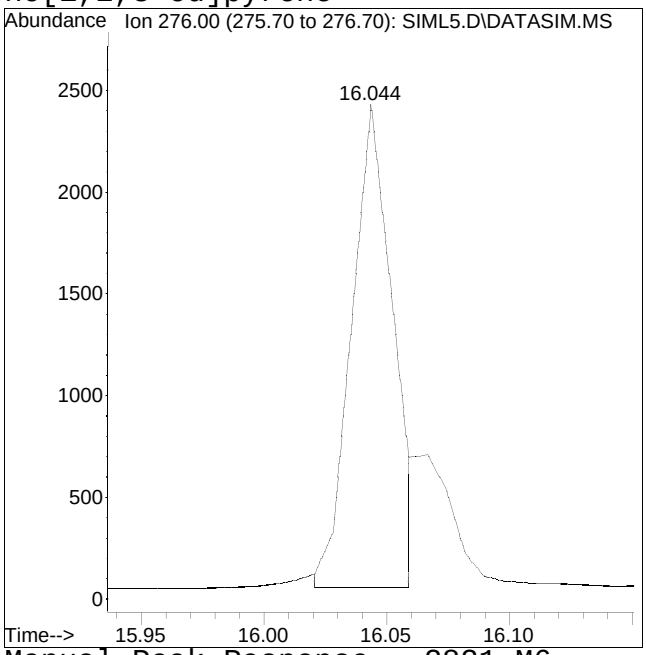
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML5.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:21 pm Instrument : SV 106
Sample : IL5,32,,0.04 Lot# 11284 Quant Date : 4/8/2025 3:11 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 3497



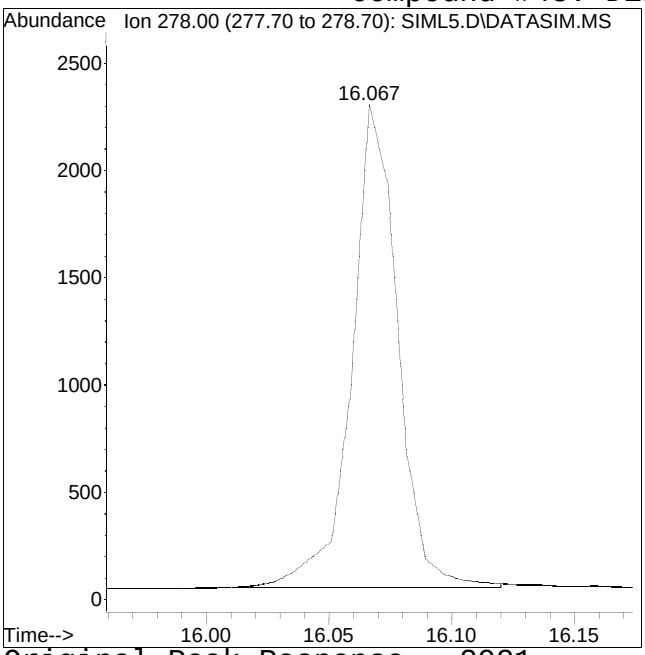
Manual Peak Response = 2821 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

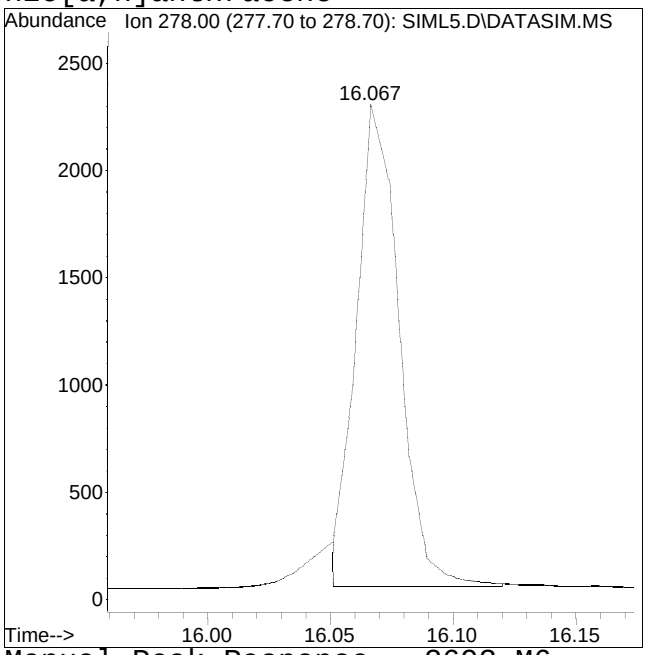
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML5.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:21 pm Instrument : SV 106
Sample : IL5,32,,0.04 Lot# 11284 Quant Date : 4/8/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 2921



Manual Peak Response = 2693 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML4.D
Acq On : 11 Mar 2025 8:45 pm
Operator : SV106:dv
Sample : IL4,32,,0.01 Lot# 11285
Misc : WG2051155,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 08 18:15:57 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	70901	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 120.38%			
9) Naphthalene-d8	7.788	136	253148	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 120.16%			
18) Acenaphthene-d10	9.556	164	152843	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 117.62%			
23) Phenanthrene-d10	10.993	188	325126	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 121.34%			
33) Chrysene-d12	13.615	240	303667	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 117.99%			
38) Perylene-d12	15.077	264	338052	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 116.68%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.382	112	164	9.107	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.46%#			
4) Phenol-d6	5.982	99	190	8.882	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.44%#			
8) Nitrobenzene-d5	7.023	82	148	8.605	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.86%#			
14) 2-Fluorobiphenyl	8.916	172	516	9.041	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.90%#			
22) 2,4,6-Tribromophenol	10.320	330	65M7	8.572	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.43%#			
32) 4-Terphenyl-d14	12.572	244	713	8.826	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.88%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.053	74	107	9.081	ng/mL#	82
5) Bis(2-chloroethyl)ether	6.084	93	187	9.243	ng/ml	99
6) Hexachloroethane	6.948	117	98	10.406	ng/ml	87
7) n-nitrosodi-n-propylamine	6.910	70	114M4	8.010	ng/ml	
10) Naphthalene	7.810	128	706	10.063	ng/ml#	95
11) Hexachlorobutadiene	7.982	225	144	9.644	ng/ml	87
12) 2-Methylnaphthalene	8.534	142	392	9.418	ng/ml	99
13) 1-Methylnaphthalene	8.624	142	404	9.335	ng/ml	99
15) 2-Chloronaphthalene	9.006	162	440	8.876	ng/ml	96
16) Acenaphthylene	9.408	152	647	8.708	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML4.D
Acq On : 11 Mar 2025 8:45 pm
Operator : SV106:dv
Sample : IL4,32,,0.01 Lot# 11285
Misc : WG2051155,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 08 18:15:57 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17) 2,6-Dinitrotoluene	9.377	165	77M7	8.874	ng/ml	
19) Acenaphthene	9.587	153	468M7	9.306	ng/ml	
20) 2,4-Dinitrotoluene	9.767	165	74M7	7.152	ng/ml	
21) Fluorene	10.087	166	499	8.878	ng/ml	98
24) 4,6-Dinitro-o-cresol	10.158	198	36M2	17.794	ng/ml	
25) Hexachlorobenzene	10.630	284	206	9.594	ng/ml	100
26) Pentachlorophenol	10.826	266	178	11.669	ng/ml	97
27) Phenanthrene	11.016	178	893M6	9.308	ng/ml	
28) Anthracene	11.061	178	805	9.040	ng/ml	97
29) Fluoranthene	12.169	202	953	9.002	ng/ml	100
30) Benzidine	12.319	184	616	11.922	ng/mL#	98
31) Pyrene	12.384	202	996	8.866	ng/ml	97
34) Benzo[a]anthracene	13.607	226	352	9.657	ng/ml#	20
35) 3,3'-Dichlorobenzidine	13.615	252	319	9.236	ng/ml#	20
36) Chrysene	13.647	228	1004	9.541	ng/ml	99
37) Bis(2-ethylhexyl)phtha...	13.742	149	399	10.306	ng/ml	100
39) Benzo[b]fluoranthene	14.710	252	895	9.194	ng/ml	99
40) Benzo[k]fluoranthene	14.734	252	613	7.290	ng/ml	97
41) Benzo[a]pyrene	15.021	252	642	8.138	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	16.043	276	729M6	8.263	ng/ml	
43) Dibenzo[a,h]anthracene	16.066	278	663M6	8.255	ng/ml	
44) Benzo[g,h,i]perylene	16.281	276	774	8.661	ng/ml	100

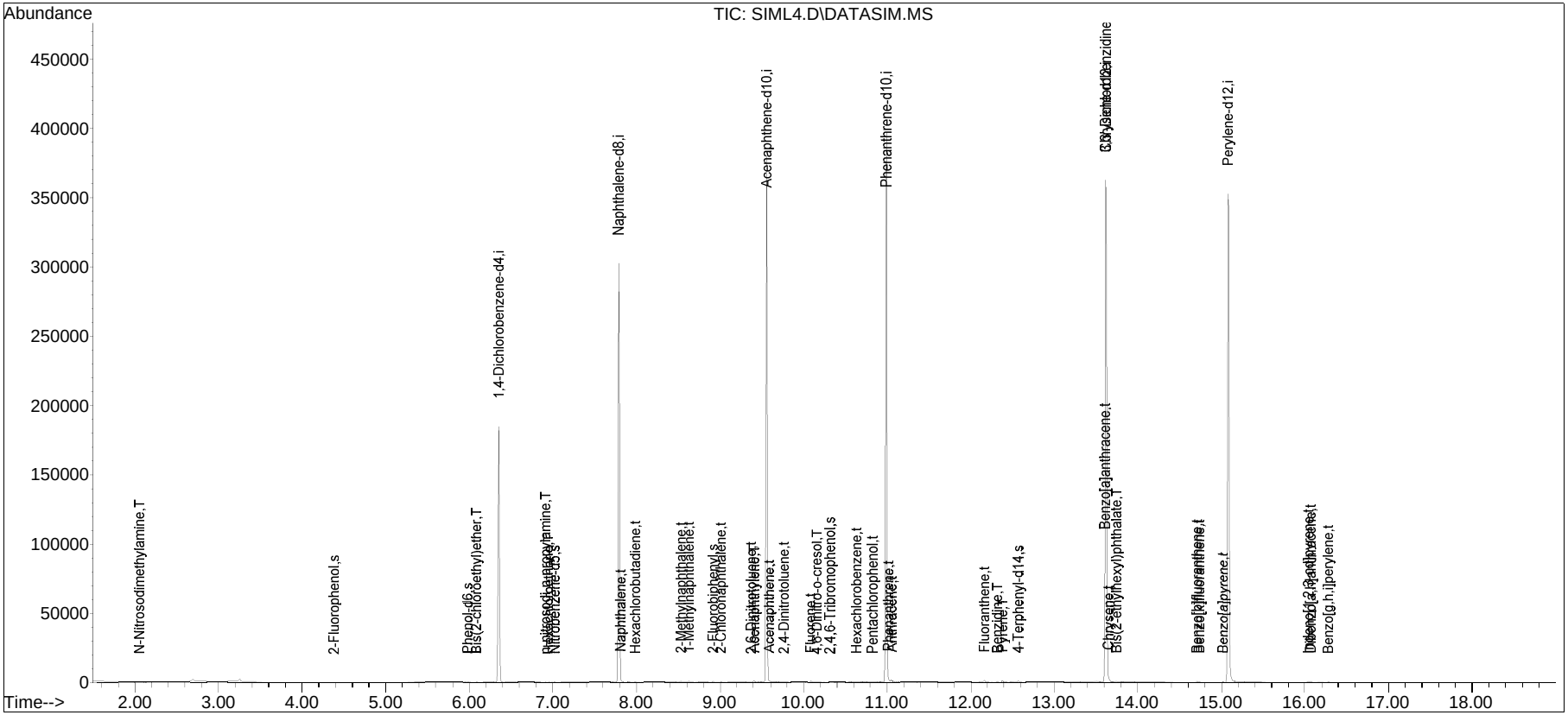
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML4.D
Acq On : 11 Mar 2025 8:45 pm
Operator : SV106:dv
Sample : IL4,32,,0.01 Lot# 11285
Misc : WG2051155,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 08 18:15:57 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedIM\SIML8.D•

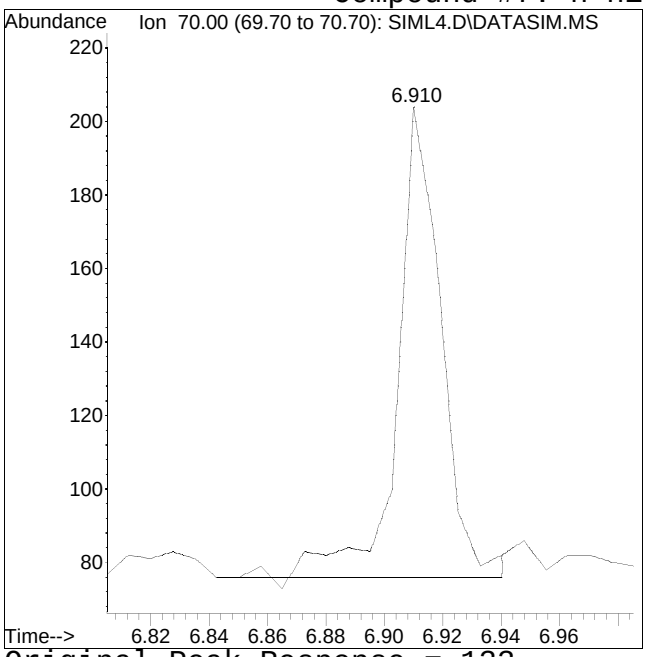


Manual Integration Report

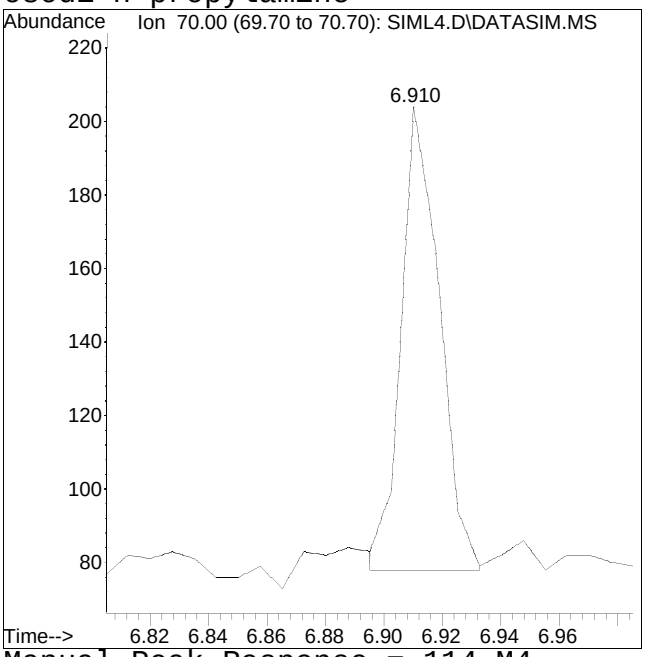
Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML4.D
Date Inj'd : 3/11/2025 8:45 pm
Sample : IL4,32,,0.01 Lot# 11285

Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 6:16 pm

Compound #7: n-nitrosodi-n-propylamine



Original Peak Response = 133



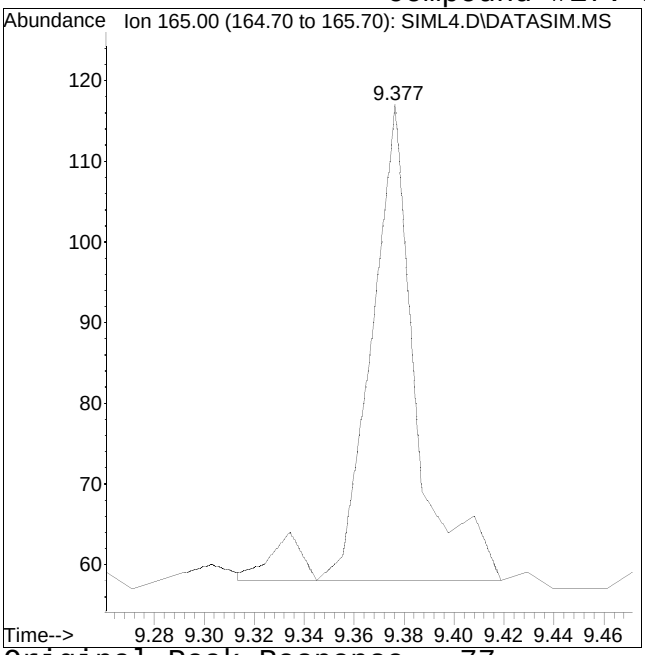
Manual Peak Response = 114 M4

M4 = Poor automated baseline construction.

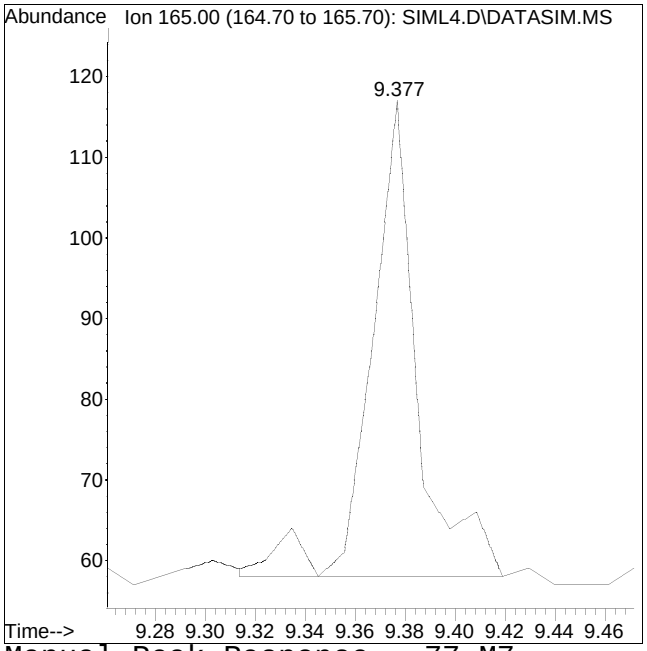
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #17: 2,6-Dinitrotoluene



Original Peak Response = 77



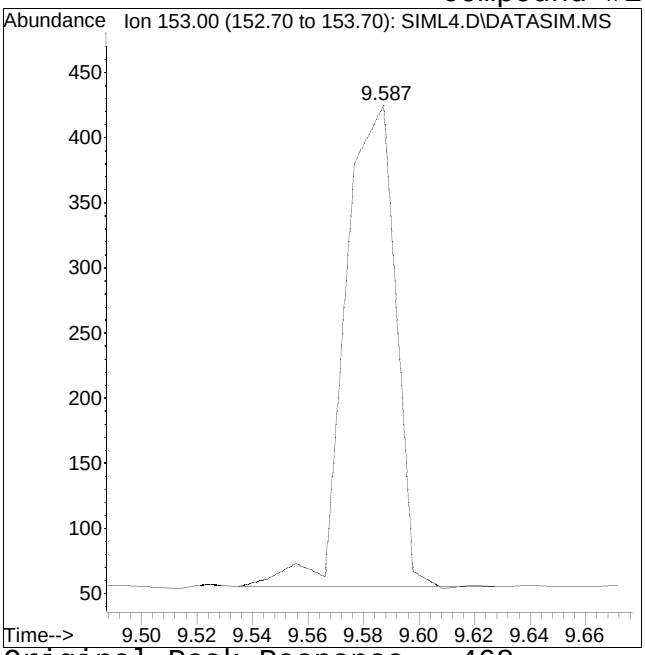
Manual Peak Response = 77 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

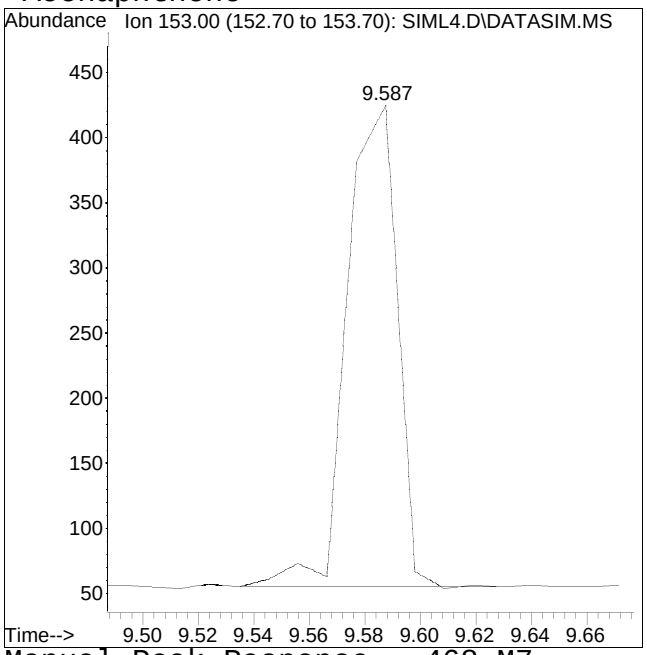
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #19: Acenaphthene



Original Peak Response = 468



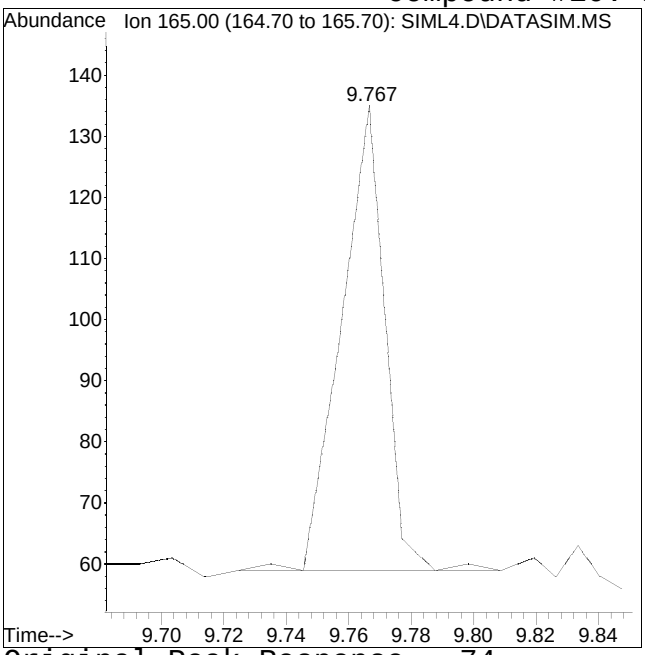
Manual Peak Response = 468 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

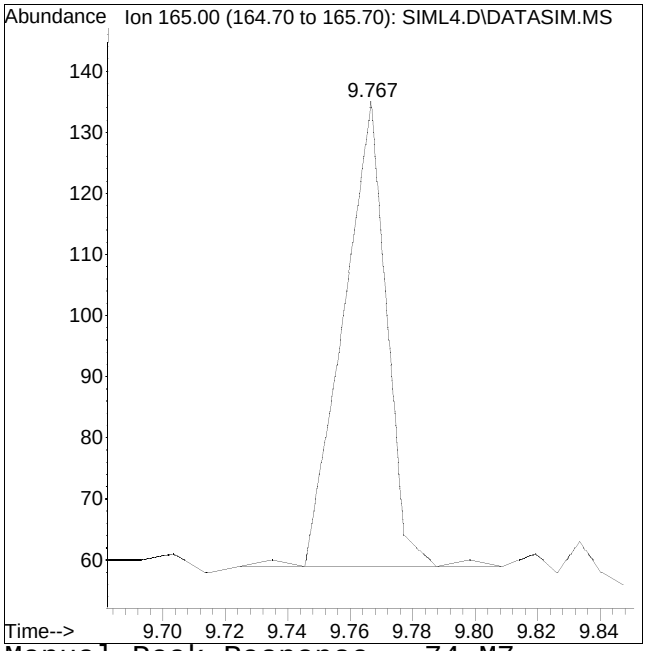
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 74



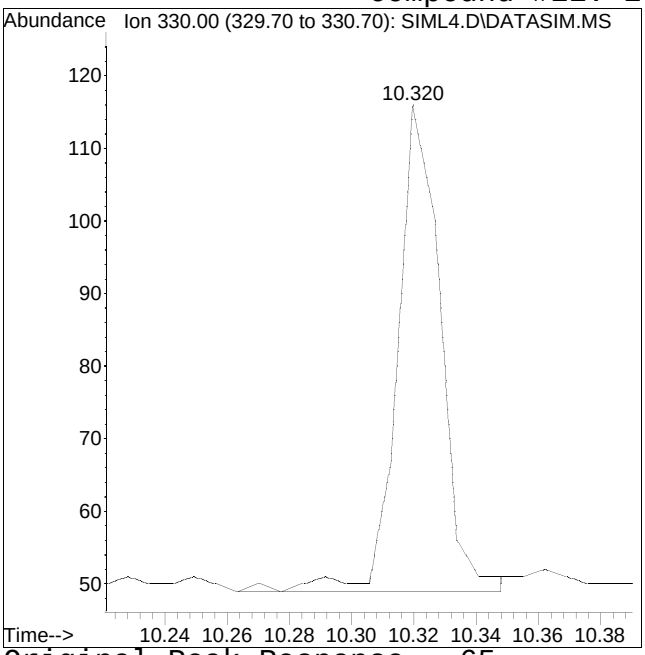
Manual Peak Response = 74 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

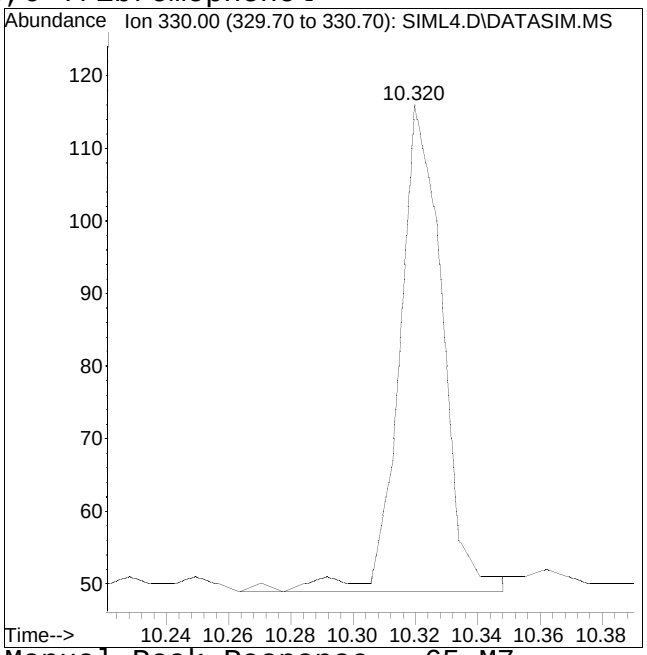
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 65



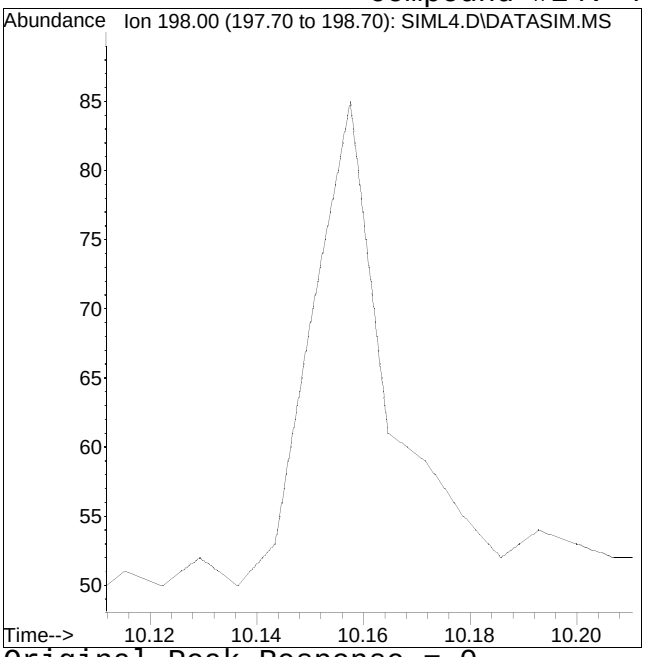
Manual Peak Response = 65 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

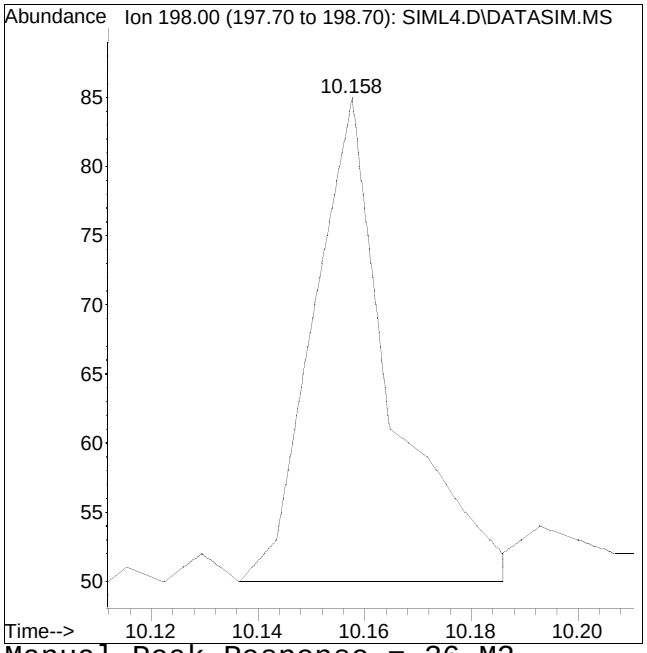
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #24: 4,6-Dinitro-o-cresol



Original Peak Response = 0



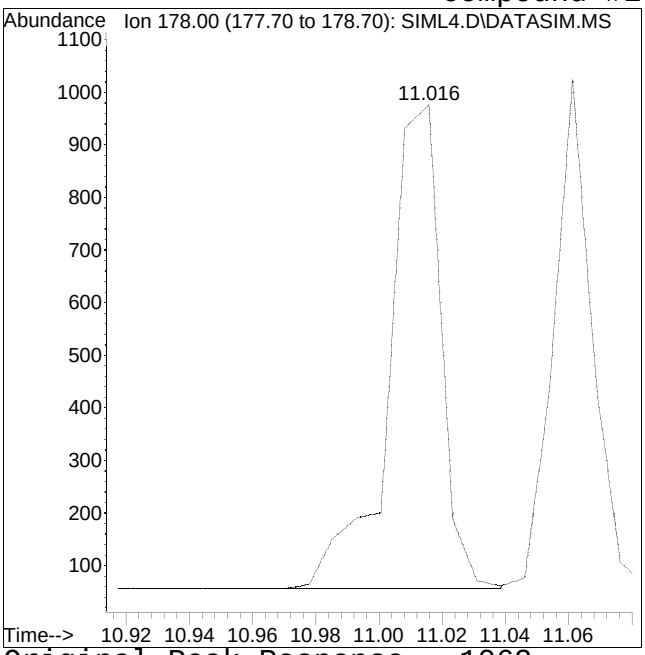
Manual Peak Response = 36 M2

M2 = Peak not found by automatic integration algorithm.

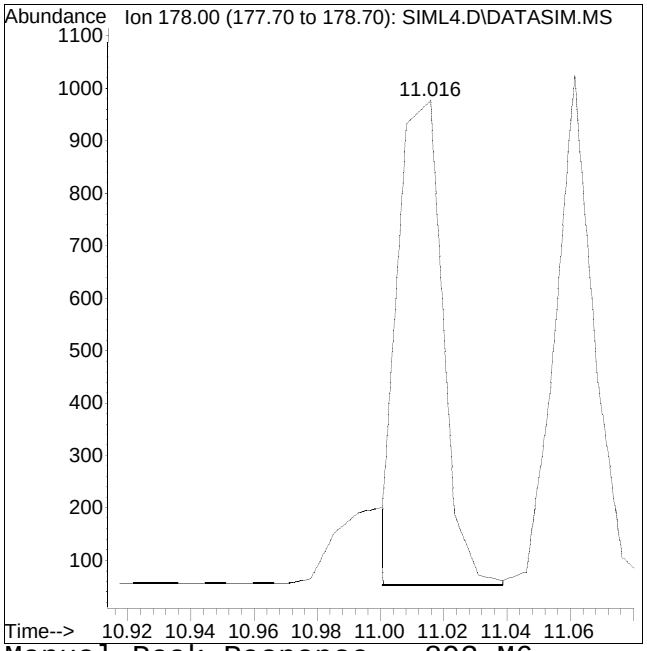
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #27: Phenanthrene



Original Peak Response = 1062



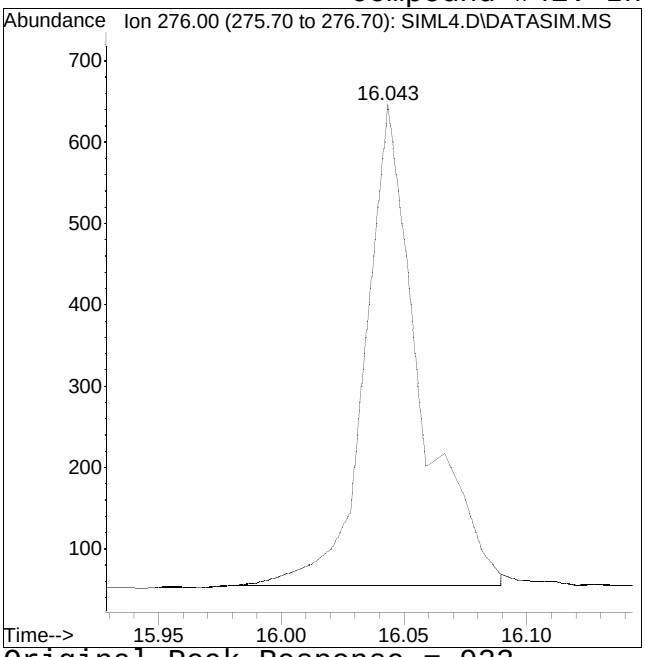
Manual Peak Response = 893 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

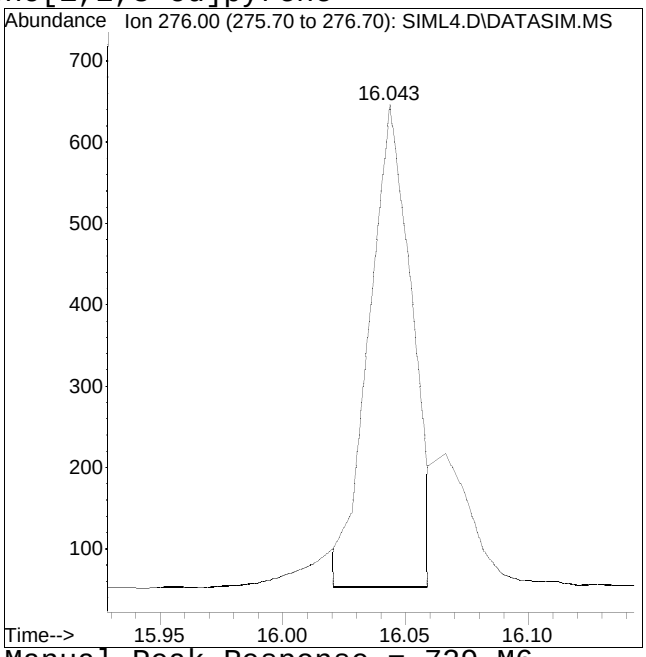
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 923



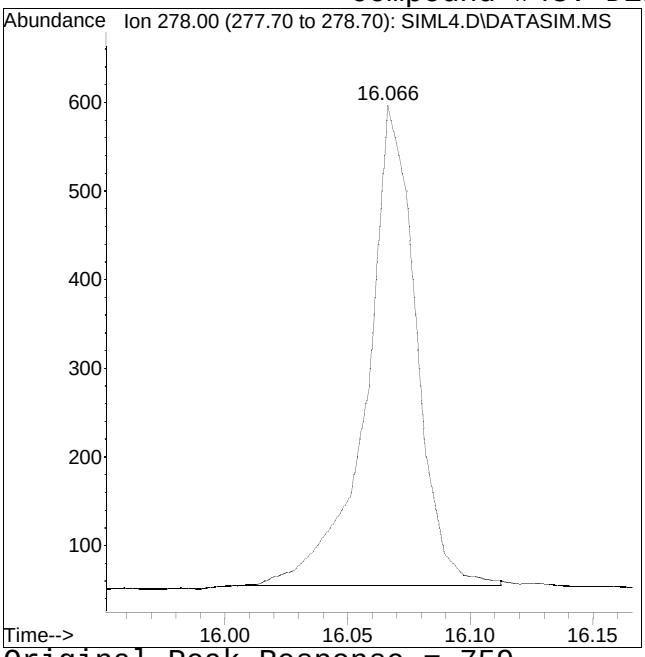
Manual Peak Response = 729 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

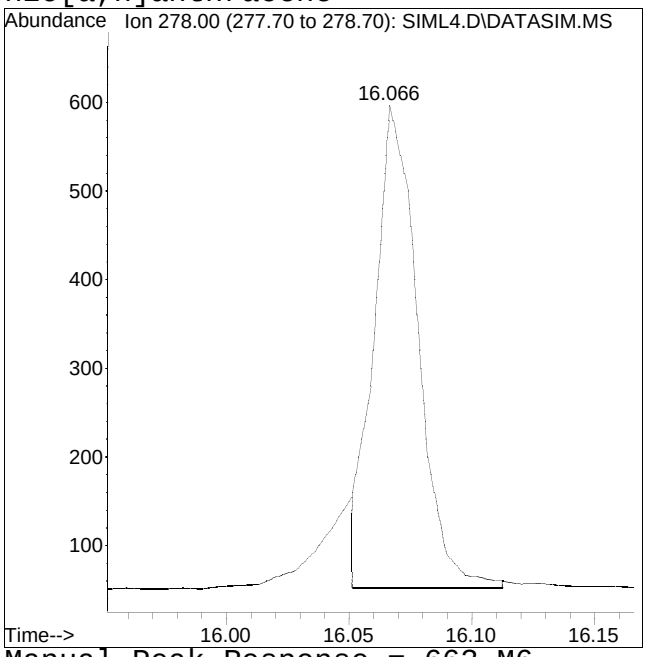
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML4.D Operator : SV106:dv
Date Inj'd : 3/11/2025 8:45 pm Instrument : SV 106
Sample : IL4,32,,0.01 Lot# 11285 Quant Date : 4/8/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 759



Manual Peak Response = 663 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML3.D
Acq On : 11 Mar 2025 9:08 pm
Operator : SV106:dv
Sample : IL3,32,,0.005 Lot# 11286
Misc : WG2051155,,ical
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 18:15:53 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	74793	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 126.99%			
9) Naphthalene-d8	7.788	136	267169	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 126.82%			
18) Acenaphthene-d10	9.556	164	158778	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 122.19%			
23) Phenanthrene-d10	10.993	188	344094	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 128.41%			
33) Chrysene-d12	13.615	240	315786	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 122.70%			
38) Perylene-d12	15.077	264	348890	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 120.42%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.375	112	75	3.948	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.20%#			
4) Phenol-d6	5.991	99	116M4	5.140	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#			
8) Nitrobenzene-d5	7.023	82	85	4.685	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.47%#			
14) 2-Fluorobiphenyl	8.916	172	283	4.698	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.47%#			
22) 2,4,6-Tribromophenol	10.320	330	41M2	5.205	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#			
32) 4-Terphenyl-d14	12.572	244	465	5.439	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.54%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	6.084	93	110M3	5.154	ng/ml	
6) Hexachloroethane	6.948	117	54	5.436	ng/ml	84
7) n-nitrosodi-n-propylamine	6.910	70	73M4	4.862	ng/ml	
10) Naphthalene	7.810	128	390	5.267	ng/ml#	90
11) Hexachlorobutadiene	7.982	225	76	4.823	ng/ml#	41
12) 2-Methylnaphthalene	8.534	142	208	4.735	ng/ml	98
13) 1-Methylnaphthalene	8.624	142	213	4.663	ng/ml	94
15) 2-Chloronaphthalene	9.006	162	254	4.855	ng/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML3.D
Acq On : 11 Mar 2025 9:08 pm
Operator : SV106:dv
Sample : IL3,32,,0.005 Lot# 11286
Misc : WG2051155,,ical
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 18:15:53 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) Acenaphthylene	9.408	152	352	4.489	ng/ml	96
17) 2,6-Dinitrotoluene	0.000		0	N.D.		
19) Acenaphthene	9.587	153	244M6	4.670	ng/ml	
20) 2,4-Dinitrotoluene	9.767	165	47M7	4.373	ng/ml	
21) Fluorene	10.087	166	266	4.556	ng/ml	94
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	10.630	284	117	5.149	ng/ml#	88
26) Pentachlorophenol	0.000		0	N.D. d		
27) Phenanthrene	11.008	178	527M6	5.190	ng/ml	
28) Anthracene	11.061	178	459	4.870	ng/ml	93
29) Fluoranthene	12.169	202	564	5.034	ng/ml	95
30) Benzidine	12.319	184	450M7	7.113	ng/mL	
31) Pyrene	12.375	202	600	5.047	ng/ml	96
34) Benzo[a]anthracene	13.607	226	233	5.197	ng/ml#	1
35) 3,3'-Dichlorobenzidine	13.615	252	189	5.262	ng/ml#	1
36) Chrysene	13.647	228	591M3	5.401	ng/ml	
37) Bis(2-ethylhexyl)phtha...	13.742	149	262	6.476	ng/ml#	86
39) Benzo[b]fluoranthene	14.710	252	533M4	5.305	ng/ml	
40) Benzo[k]fluoranthene	14.734	252	374	4.310	ng/ml	97
41) Benzo[a]pyrene	15.021	252	359	4.409	ng/ml	97
42) Indeno[1,2,3-cd]pyrene	16.044	276	433M6	4.755	ng/ml	
43) Dibenzo[a,h]anthracene	16.067	278	384M6	4.633	ng/ml	
44) Benzo[g,h,i]perylene	16.281	276	462	5.009	ng/ml	98

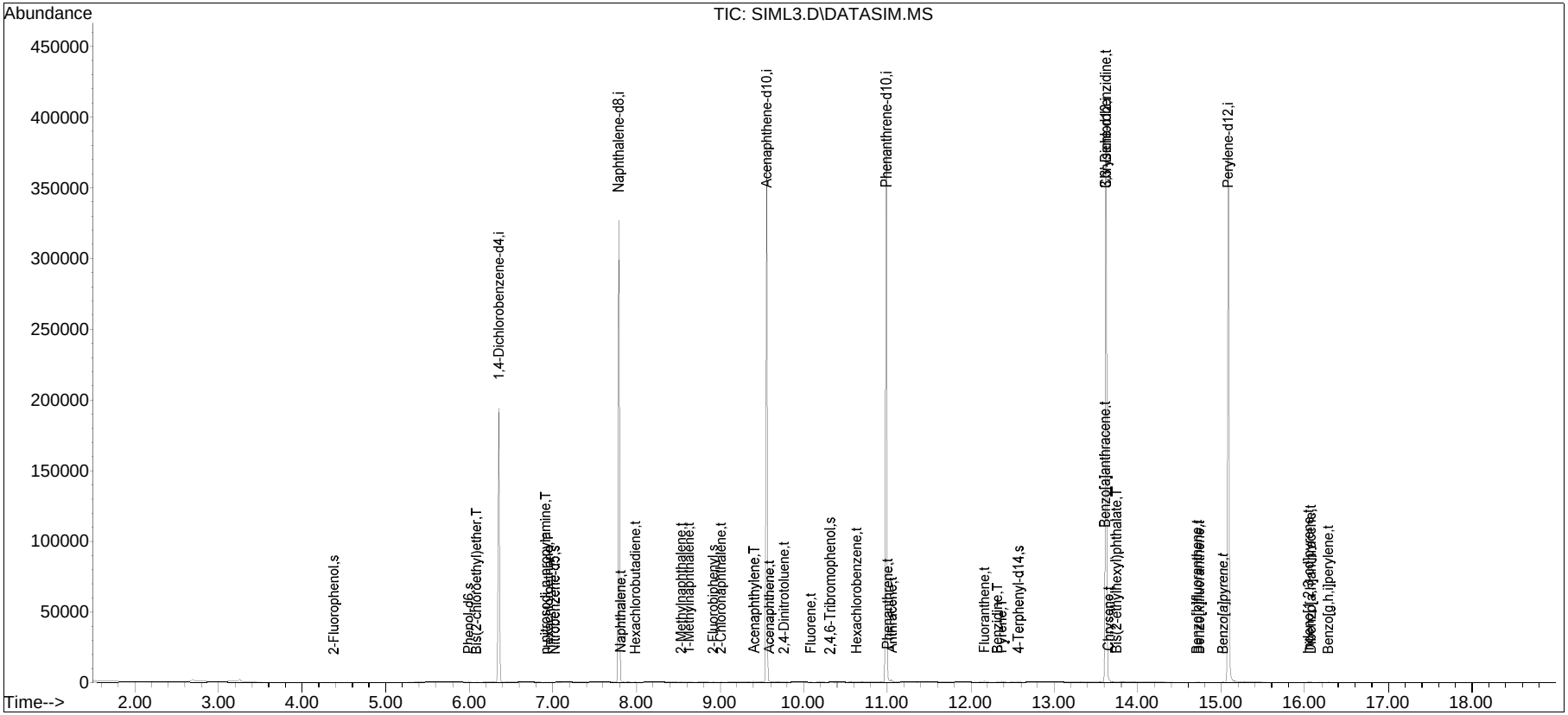
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML3.D
Acq On : 11 Mar 2025 9:08 pm
Operator : SV106:dv
Sample : IL3,32,,0.005 Lot# 11286
Misc : WG2051155,,ical
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 08 18:15:53 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedIM\SIML8.D•

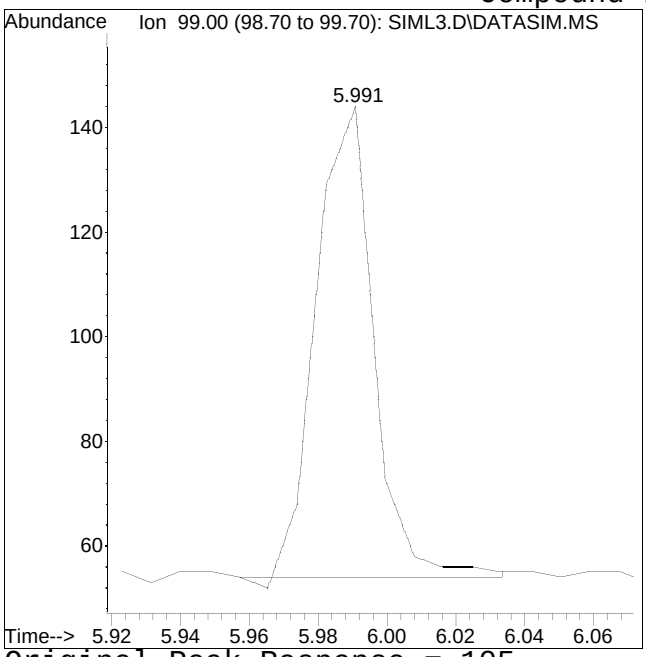


Manual Integration Report

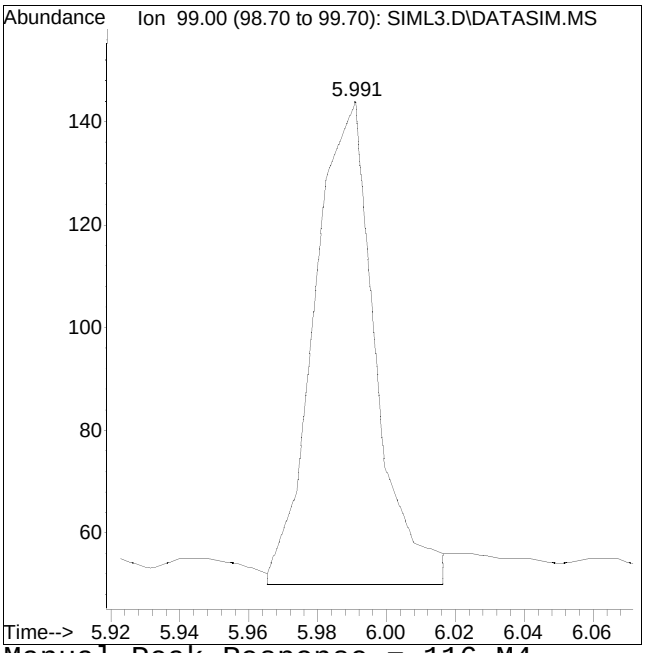
Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML3.D
Date Inj'd : 3/11/2025 9:08 pm
Sample : IL3,32,,0.005 Lot# 11286

Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 6:16 pm

Compound #4: Phenol-d6



Original Peak Response = 105



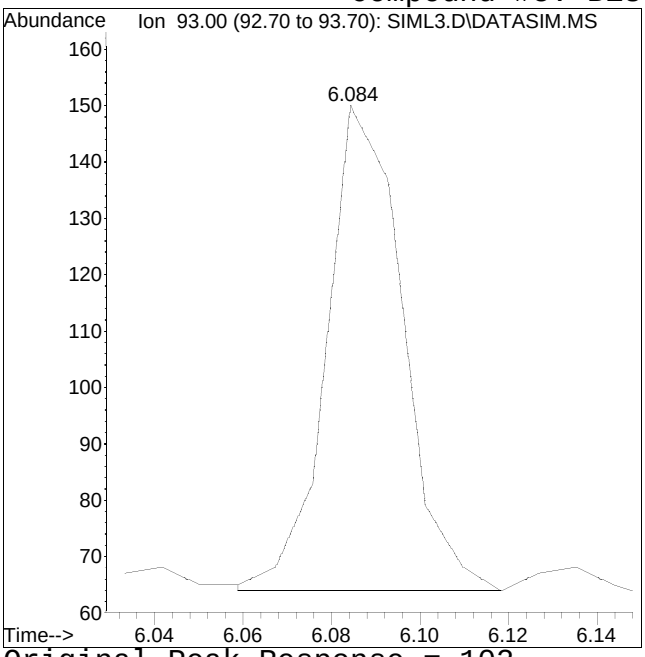
Manual Peak Response = 116 M4

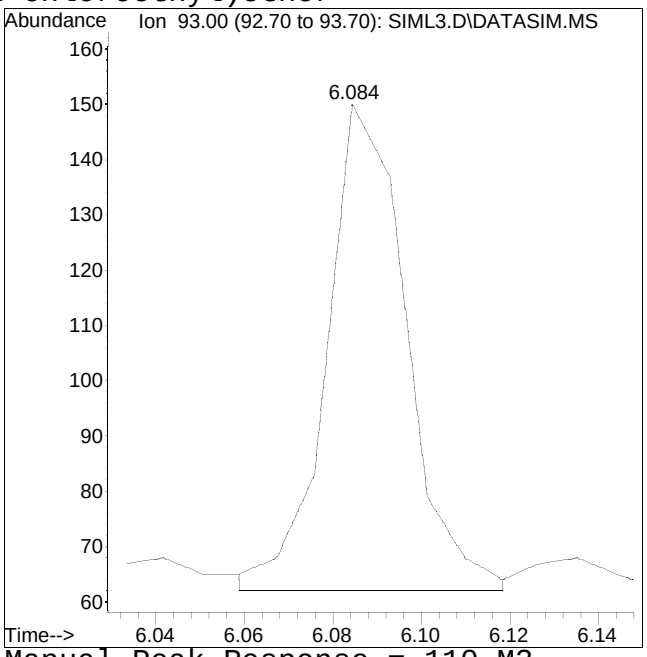
M4 = Poor automated baseline construction.

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #5: Bis(2-chloroethyl)ether





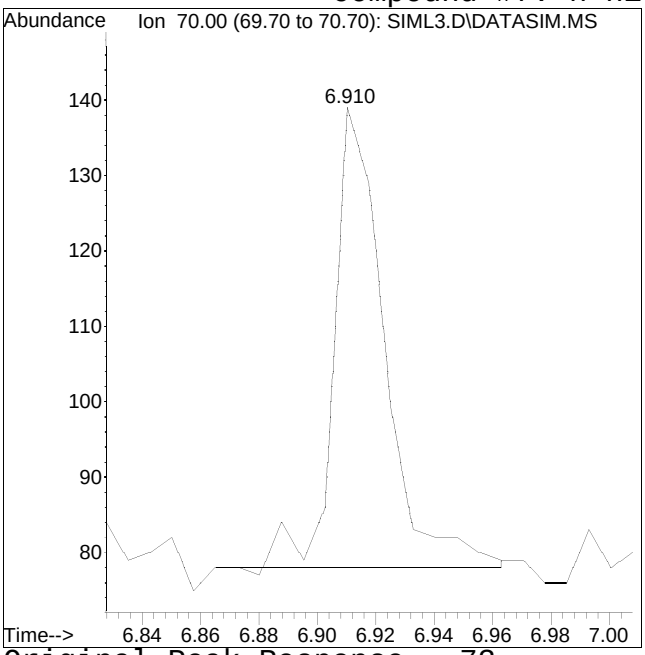
Original Peak Response = 102 Manual Peak Response = 110 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

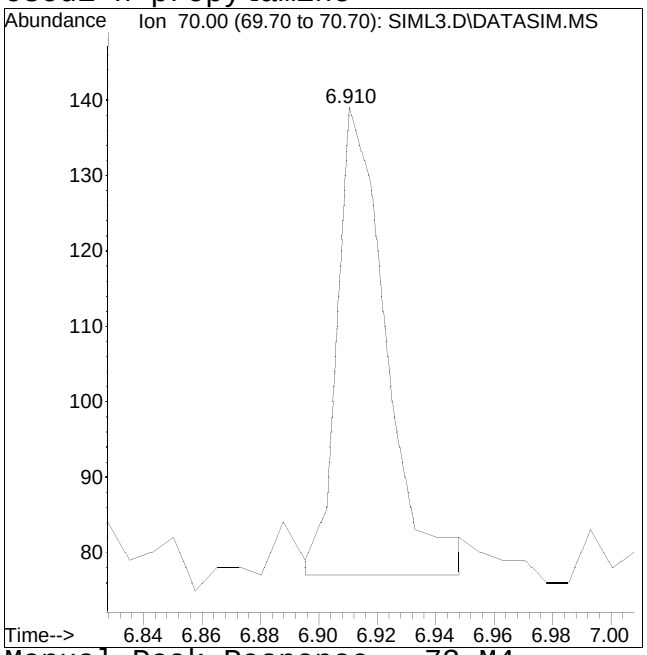
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #7: n-nitrosodi-n-propylamine



Original Peak Response = 73



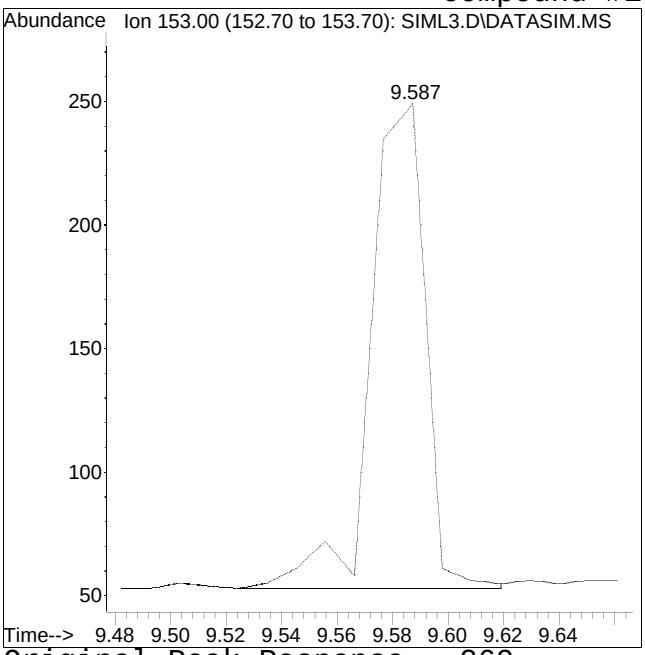
Manual Peak Response = 73 M4

M4 = Poor automated baseline construction.

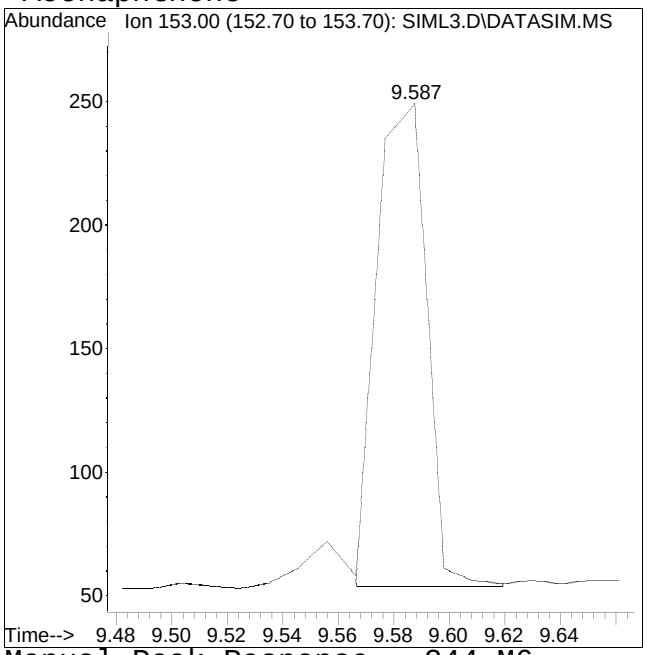
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #19: Acenaphthene



Original Peak Response = 269



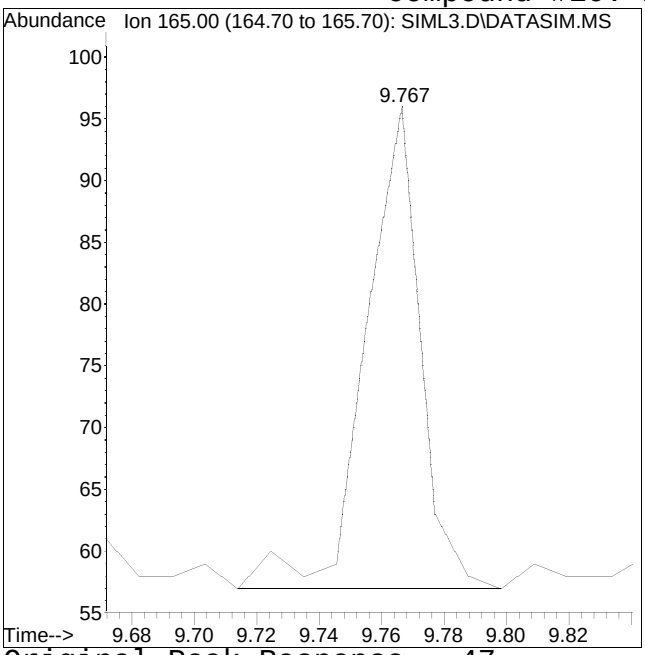
Manual Peak Response = 244 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

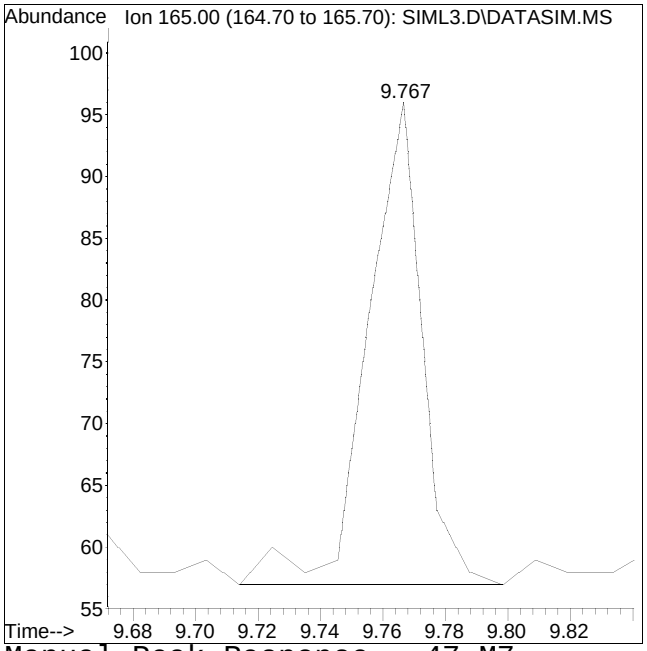
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #20: 2,4-Dinitrotoluene



Original Peak Response = 47



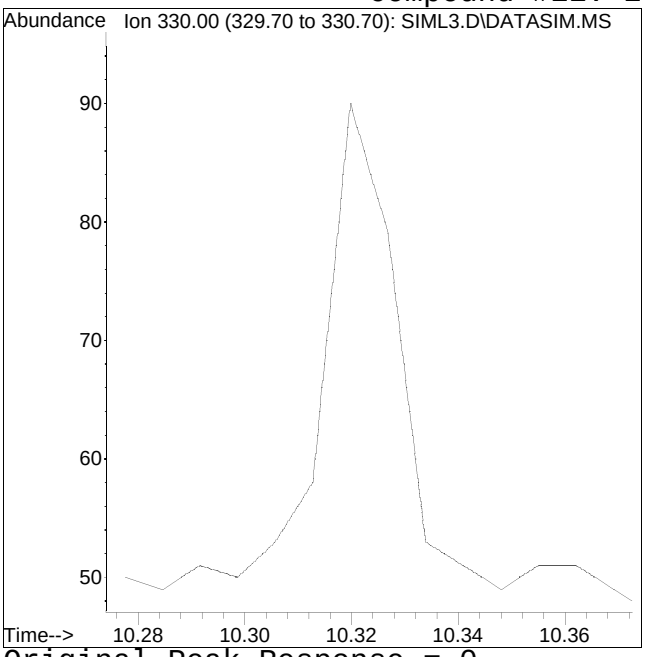
Manual Peak Response = 47 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

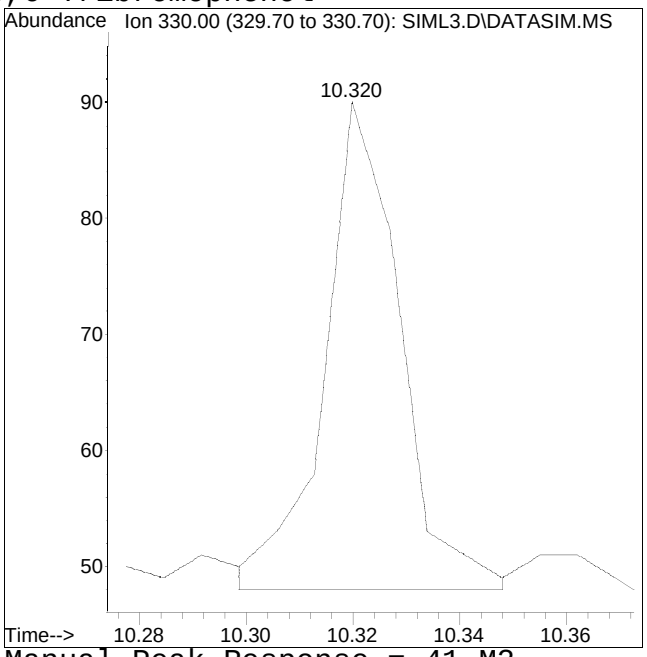
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 0



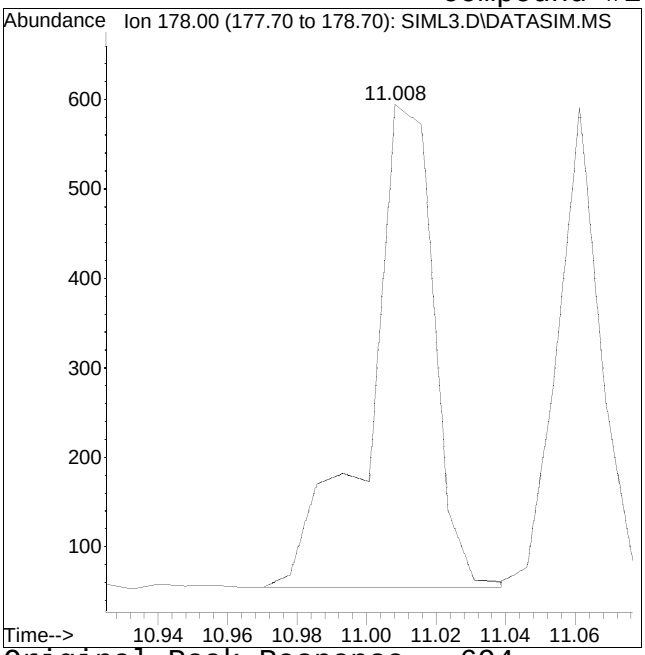
Manual Peak Response = 41 M2

M2 = Peak not found by automatic integration algorithm.

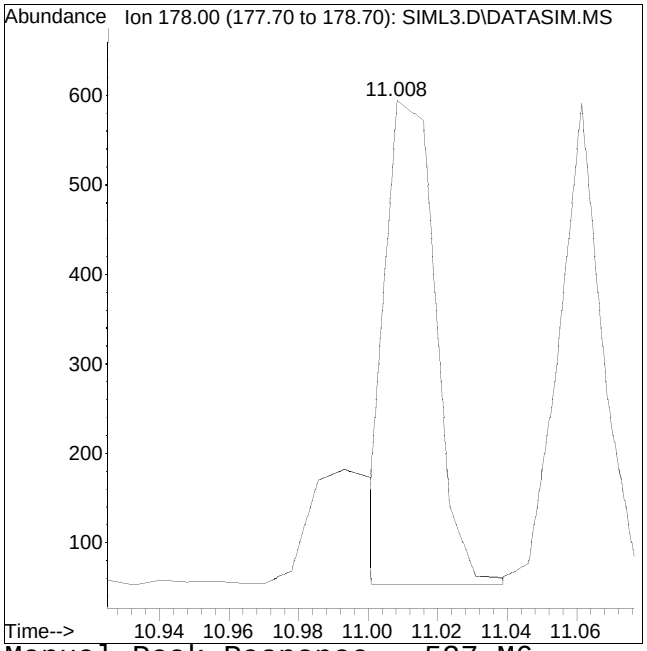
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #27: Phenanthrene



Original Peak Response = 694



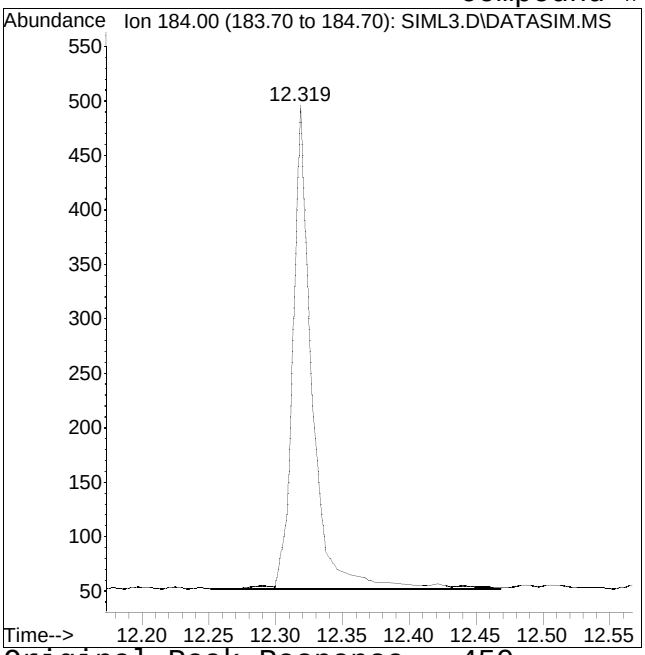
Manual Peak Response = 527 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

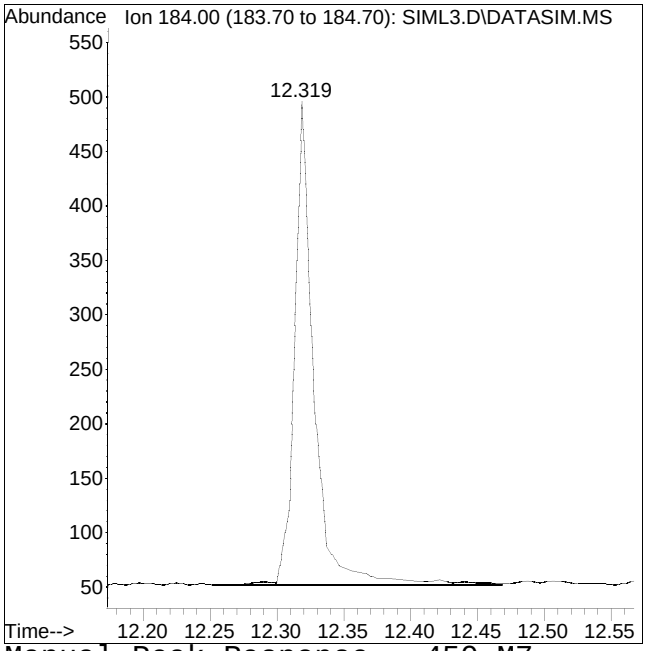
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #30: Benzidine



Original Peak Response = 450



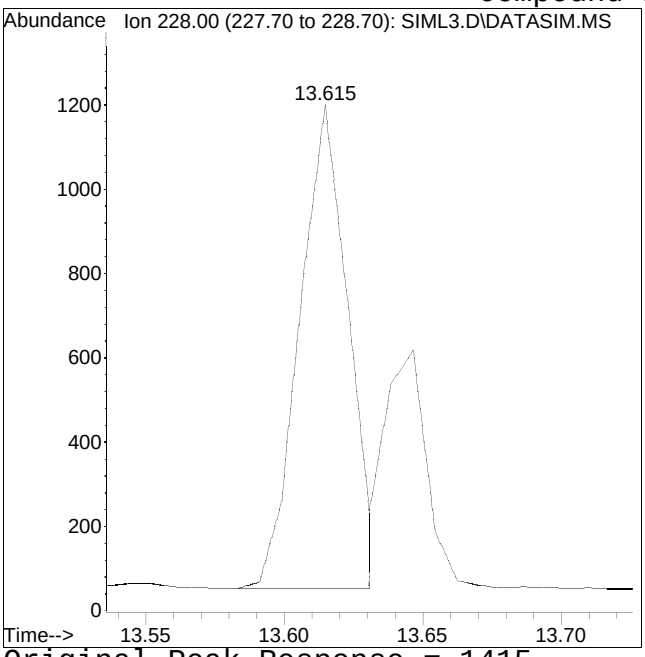
Manual Peak Response = 450 M7

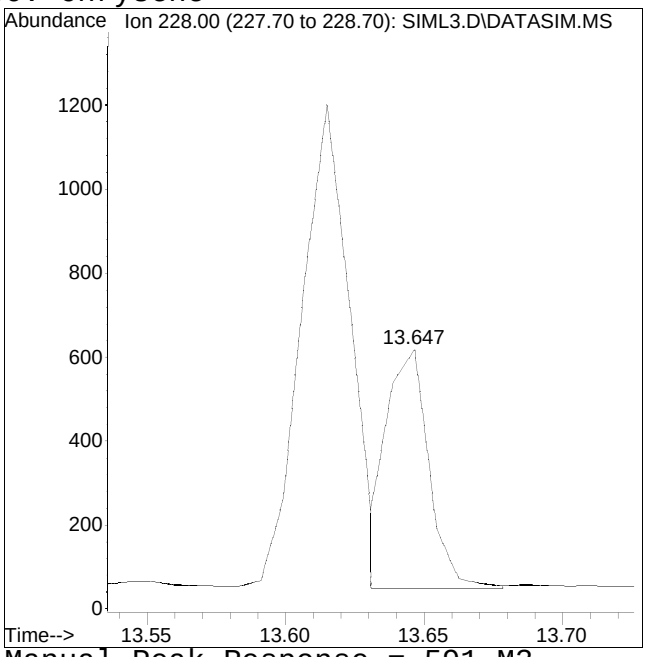
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #36: Chrysene



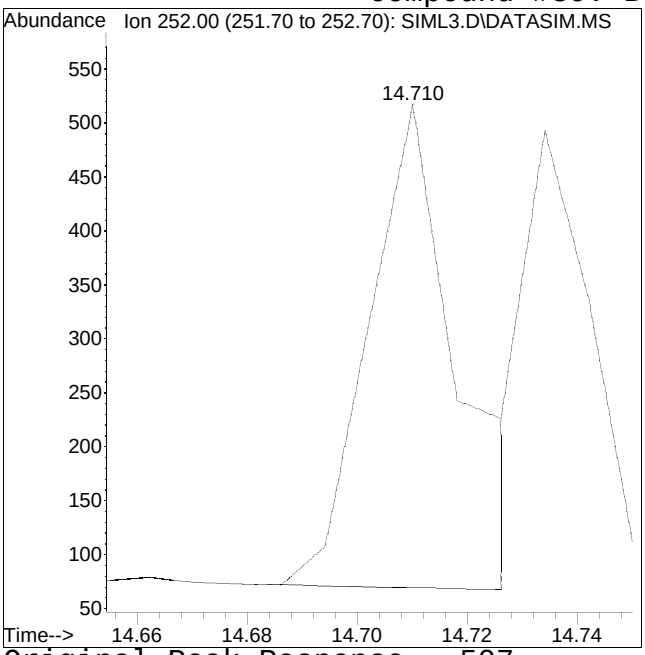


Original Peak Response = 1415 Manual Peak Response = 591 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

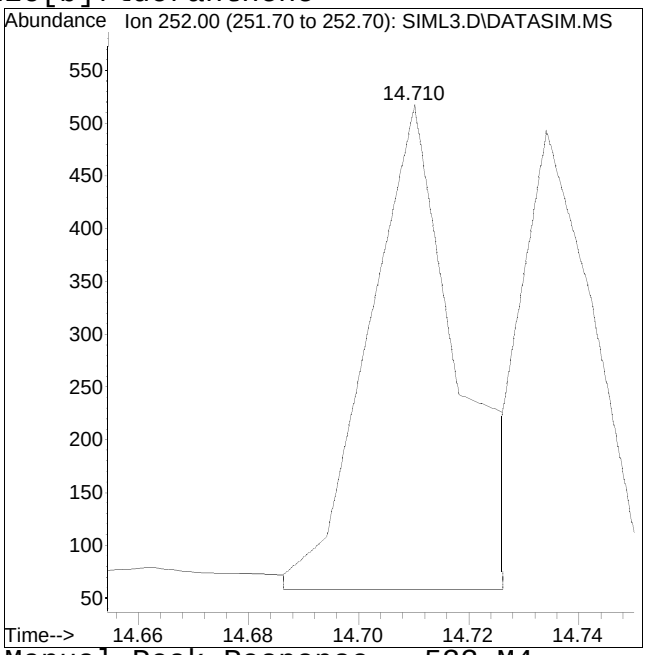
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 507



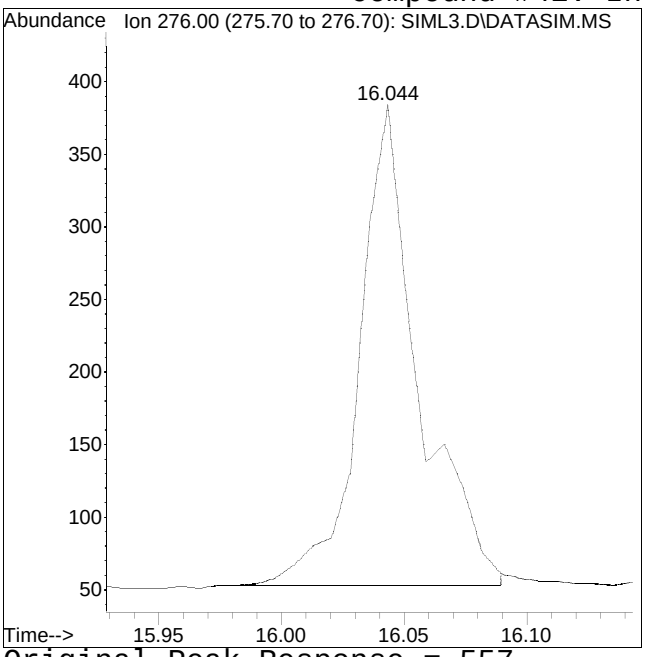
Manual Peak Response = 533 M4

M4 = Poor automated baseline construction.

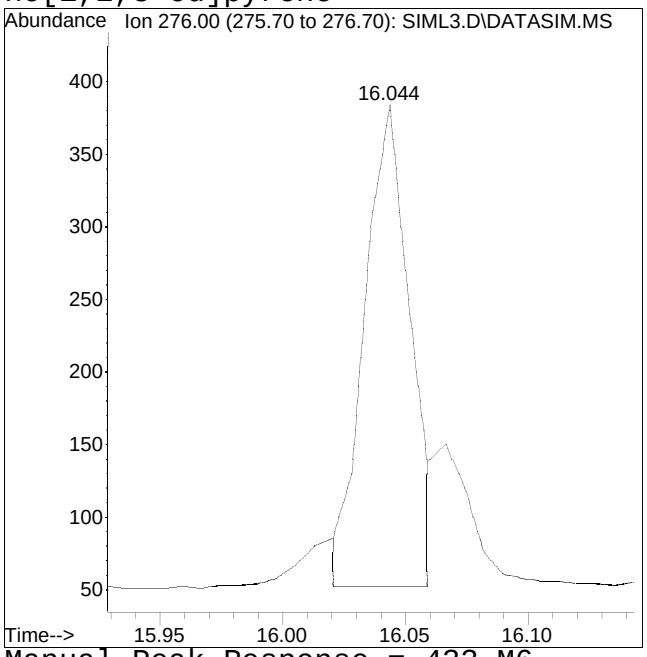
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 557



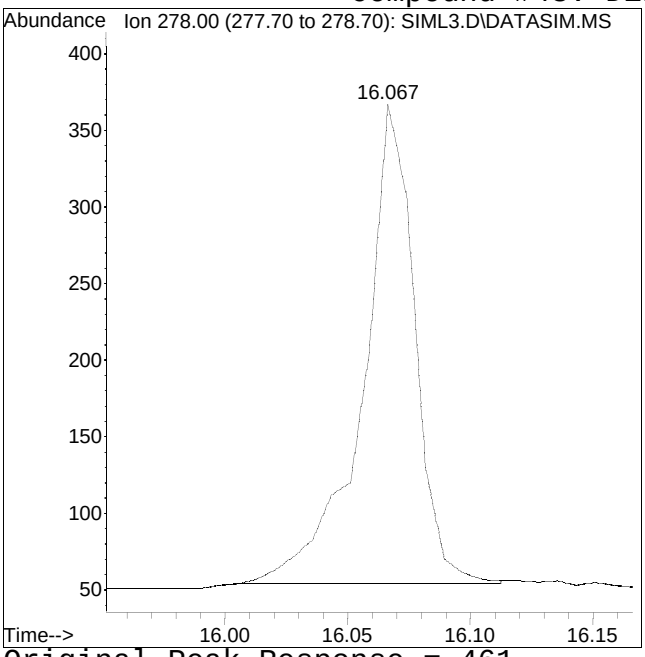
Manual Peak Response = 433 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

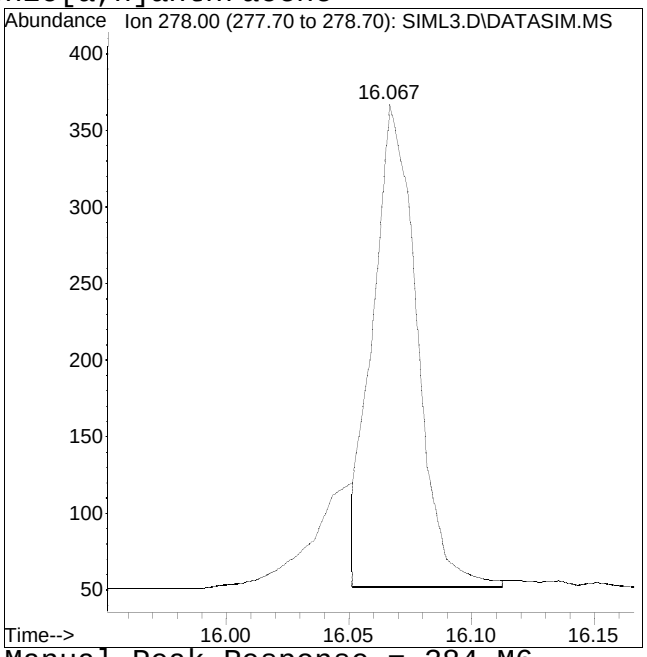
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML3.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:08 pm Instrument : SV 106
Sample : IL3,32,,0.005 Lot# 11286 Quant Date : 4/8/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 461



Manual Peak Response = 384 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML2.D
Acq On : 11 Mar 2025 9:32 pm
Operator : SV106:dv
Sample : IL2,32,,0.002 Lot# 11287
Misc : WG2051155,,ical
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 08 14:29:38 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 25 14:35:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	73754	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 125.23%			
9) Naphthalene-d8	7.788	136	261172	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 123.97%			
18) Acenaphthene-d10	9.556	164	156615	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 120.53%			
23) Phenanthrene-d10	10.986	188	339380	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 126.66%			
33) Chrysene-d12	13.615	240	314738	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 122.29%			
38) Perylene-d12	15.077	264	343697	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 118.63%			
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
4) Phenol-d6	5.991	99	43M7	1.932	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
8) Nitrobenzene-d5	7.023	82	36M2	2.012	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.20%#			
14) 2-Fluorobiphenyl	8.916	172	113	1.919	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
22) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
32) 4-Terphenyl-d14	12.572	244	207M7	2.455	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.25%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) Hexachloroethane	0.000		0	N.D.	d	
7) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
10) Naphthalene	7.810	128	152M7	1.998	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	8.534	142	96	2.181	ng/ml	88
13) 1-Methylnaphthalene	8.624	142	93	2.021	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML2.D
Acq On : 11 Mar 2025 9:32 pm
Operator : SV106:dv
Sample : IL2,32,,0.002 Lot# 11287
Misc : WG2051155,,ical
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 08 14:29:38 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 25 14:35:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15) 2-Chloronaphthalene	9.006	162	111	2.136	ng/ml#	87
16) Acenaphthylene	9.408	152	147M7	1.913	ng/ml	
17) 2,6-Dinitrotoluene	0.000		0	N.D.		
19) Acenaphthene	9.577	153	101M6	1.971	ng/ml	
20) 2,4-Dinitrotoluene	0.000		0	N.D.		
21) Fluorene	10.087	166	123	2.136	ng/ml	97
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	10.630	284	47M7	2.097	ng/ml	
26) Pentachlorophenol	10.819	266	101	4.903	ng/ml	97
27) Phenanthrene	11.008	178	221M6	2.098	ng/ml	
28) Anthracene	11.061	178	199M7	2.066	ng/ml	
29) Fluoranthene	12.169	202	248M7	2.133	ng/ml	
30) Benzidine	12.319	184	312M6	3.928	ng/mL	
31) Pyrene	12.375	202	275	2.344	ng/ml	98
34) Benzo[a]anthracene	13.615	226	140M7	4.190	ng/ml	
35) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36) Chrysene	13.639	228	228M3	2.023	ng/ml	
37) Bis(2-ethylhexyl)phtha...	13.734	149	147M7	3.232	ng/ml	
39) Benzo[b]fluoranthene	14.702	252	175M4	1.681	ng/ml	
40) Benzo[k]fluoranthene	14.734	252	156M7	1.825	ng/ml	
41) Benzo[a]pyrene	15.021	252	134M7	1.642	ng/ml	
42) Indeno[1,2,3-cd]pyrene	16.036	276	208M6	2.319	ng/ml	
43) Dibenzo[a,h]anthracene	16.067	278	127M6	1.555	ng/ml	
44) Benzo[g,h,i]perylene	16.281	276	192	2.113	ng/ml	94

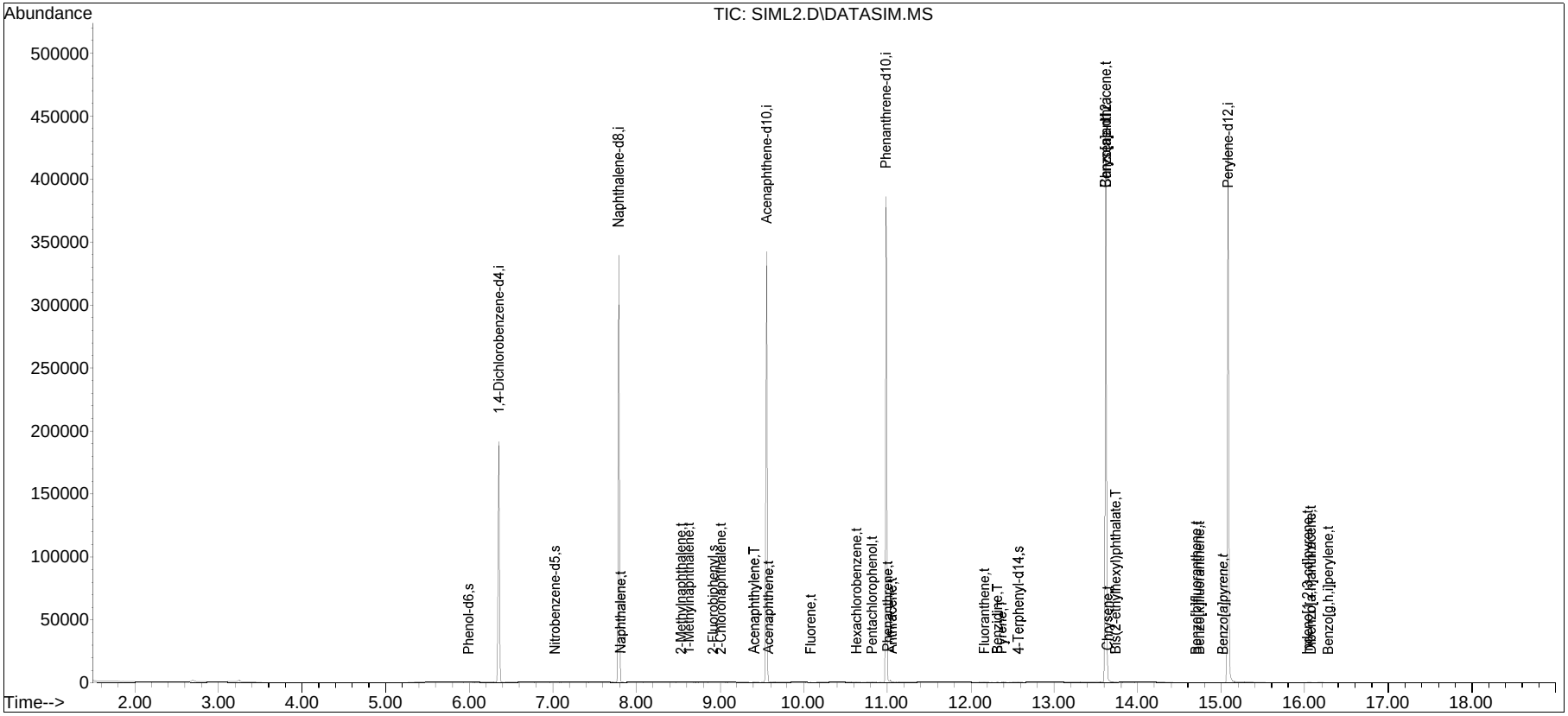
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML2.D
Acq On : 11 Mar 2025 9:32 pm
Operator : SV106:dv
Sample : IL2,32,,0.002 Lot# 11287
Misc : WG2051155,,ical
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 08 14:29:38 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Mar 25 14:35:08 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedIM\SIML8.D•

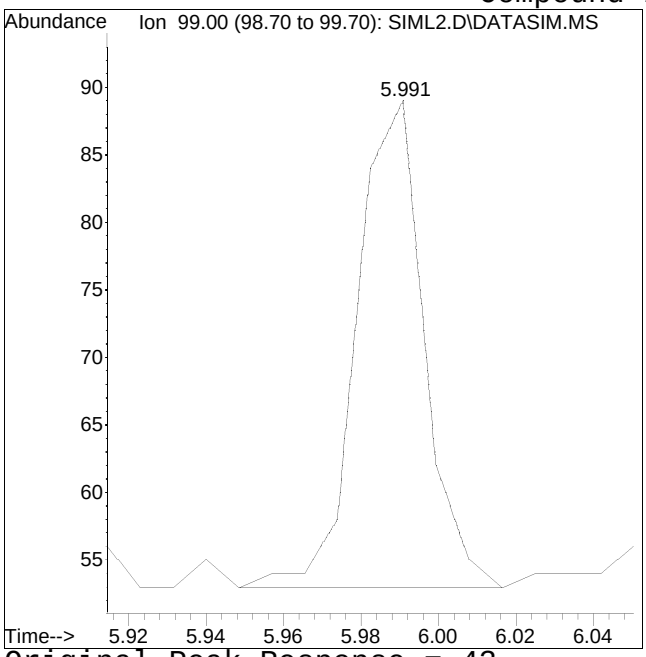


Manual Integration Report

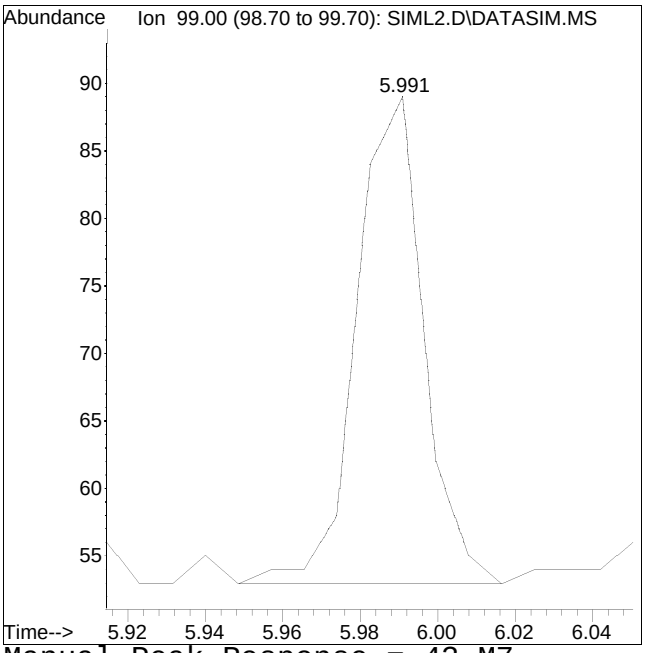
Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML2.D
Date Inj'd : 3/11/2025 9:32 pm
Sample : IL2,32,,0.002 Lot# 11287

Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 3/25/2025 2:35 pm

Compound #4: Phenol-d6



Original Peak Response = 43



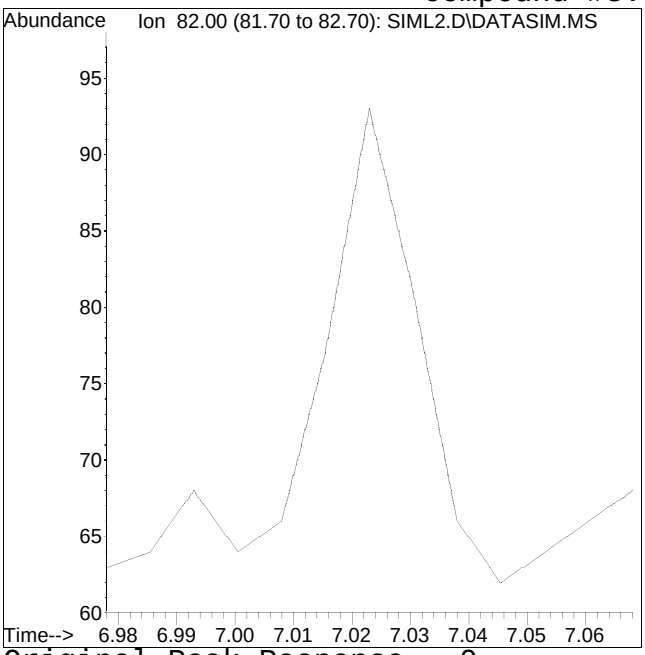
Manual Peak Response = 43 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

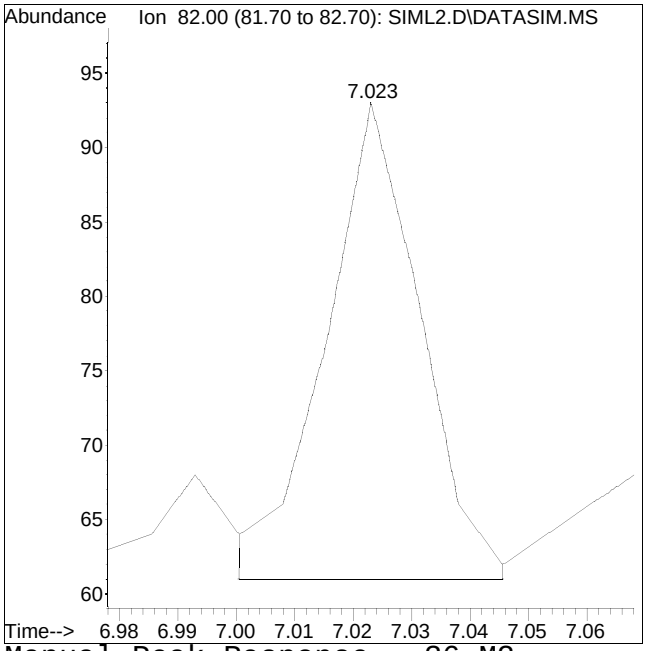
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #8: Nitrobenzene-d5



Original Peak Response = 0



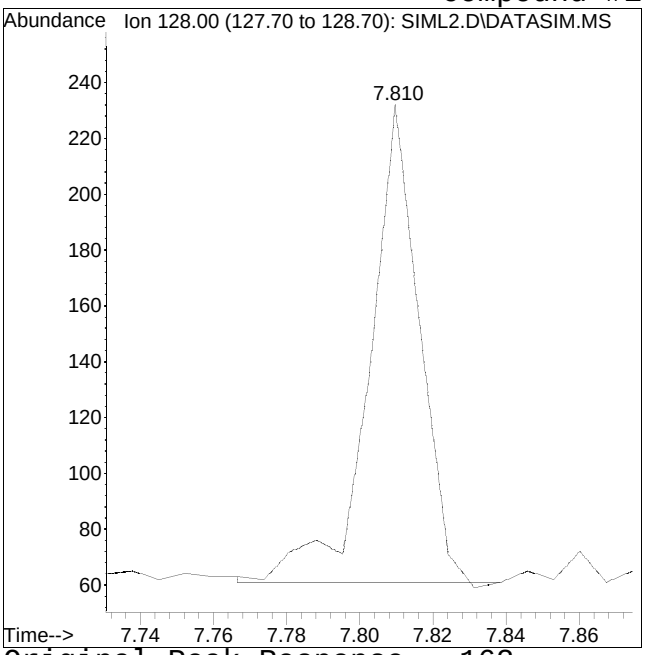
Manual Peak Response = 36 M2

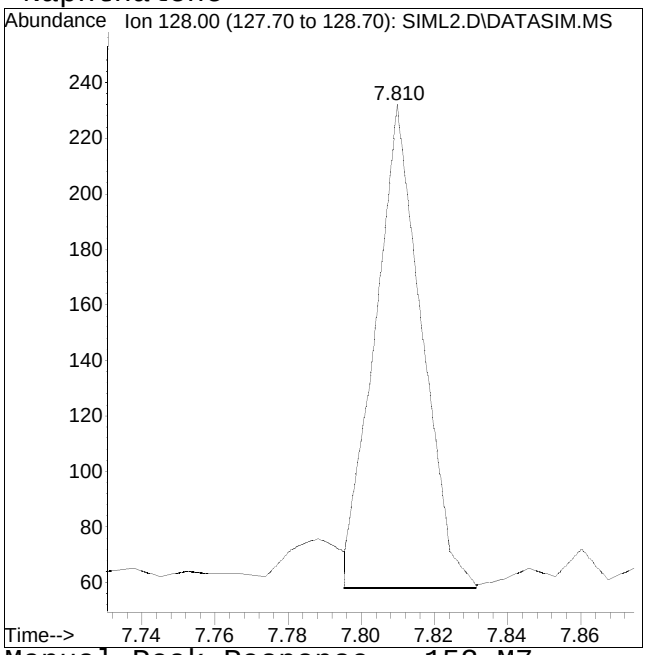
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ Method : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #10: Naphthalene





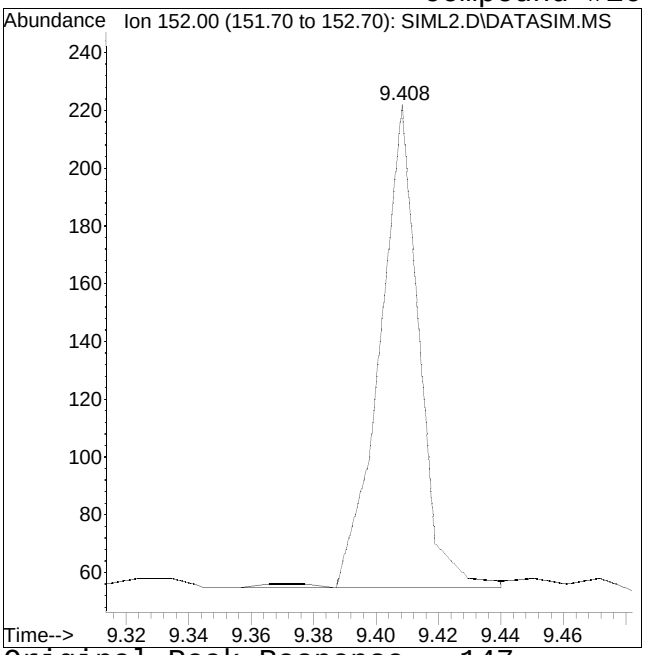
Original Peak Response = 162 Manual Peak Response = 152 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

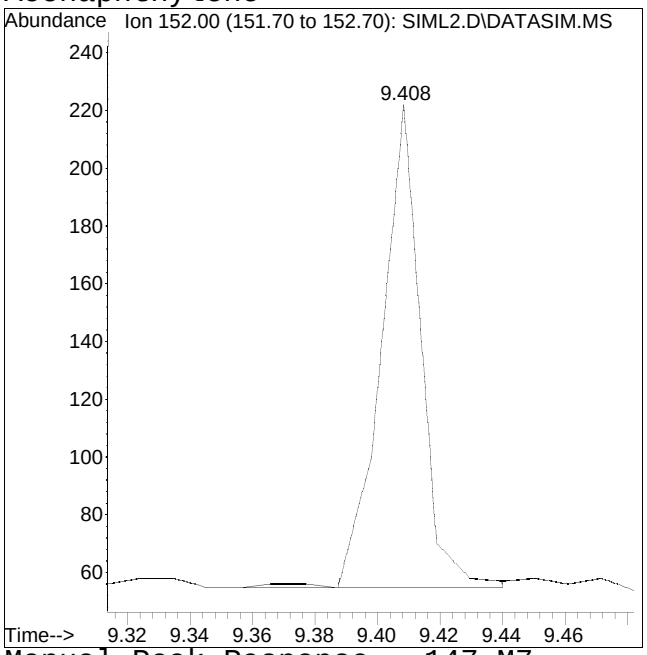
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #16: Acenaphthylene



Original Peak Response = 147



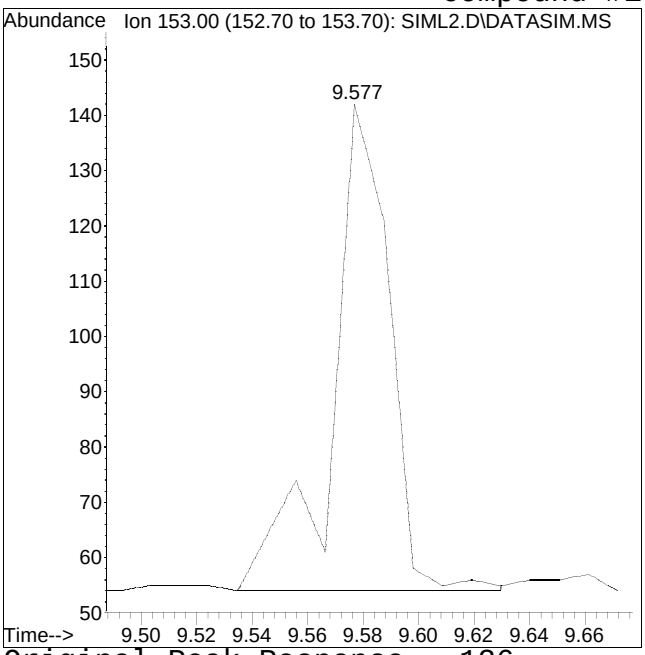
Manual Peak Response = 147 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

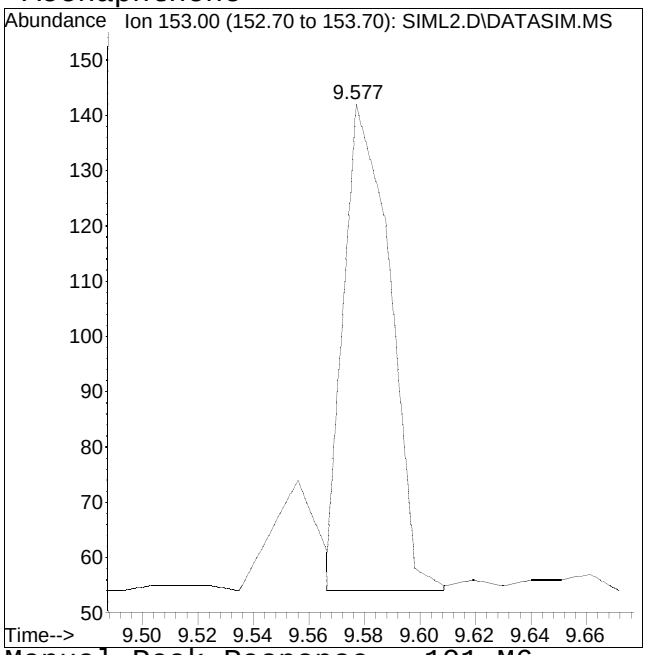
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #19: Acenaphthene



Original Peak Response = 126



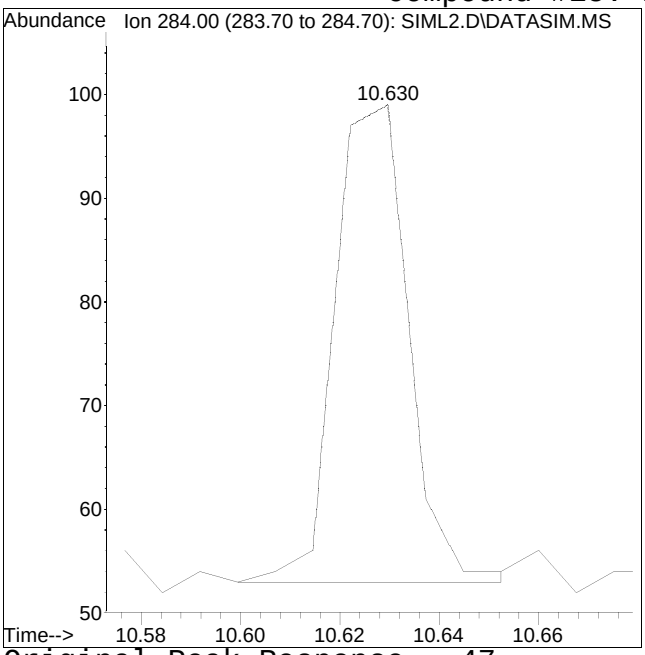
Manual Peak Response = 101 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

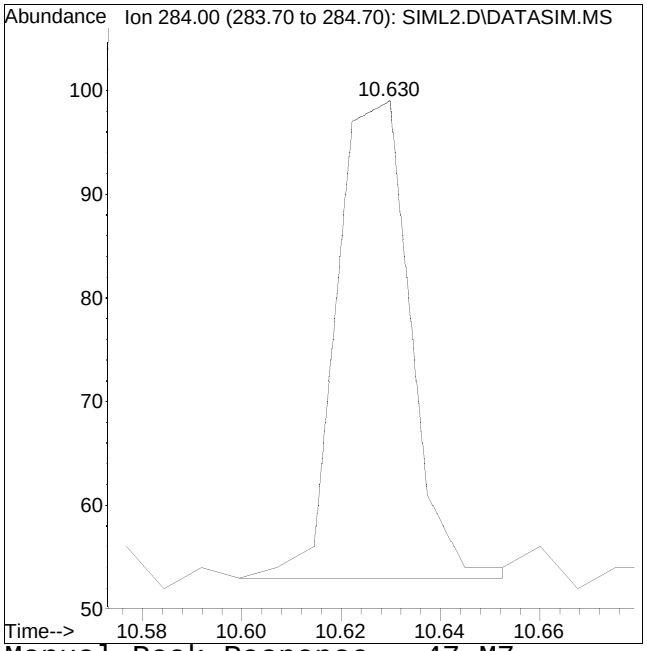
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQ Method : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 47



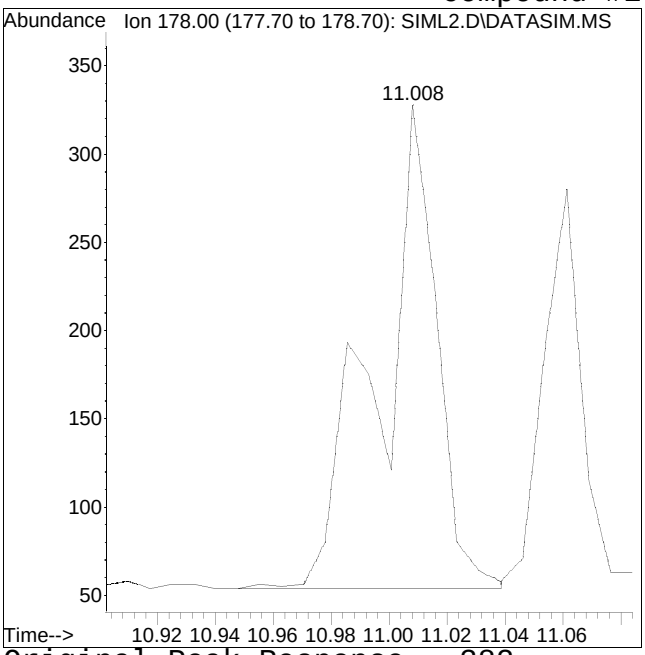
Manual Peak Response = 47 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

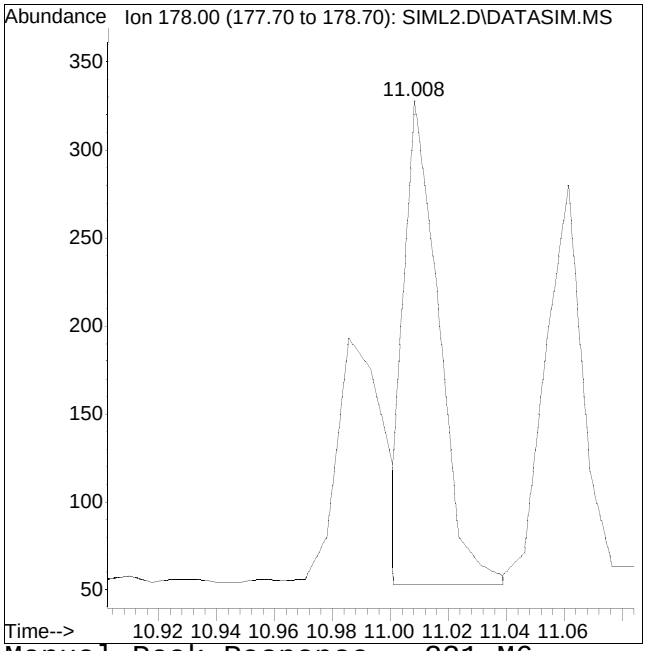
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #27: Phenanthrene



Original Peak Response = 382



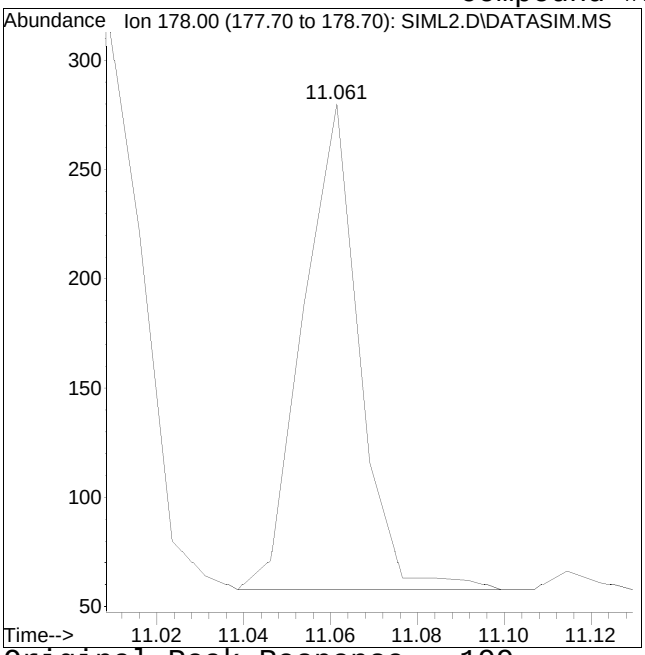
Manual Peak Response = 221 M6

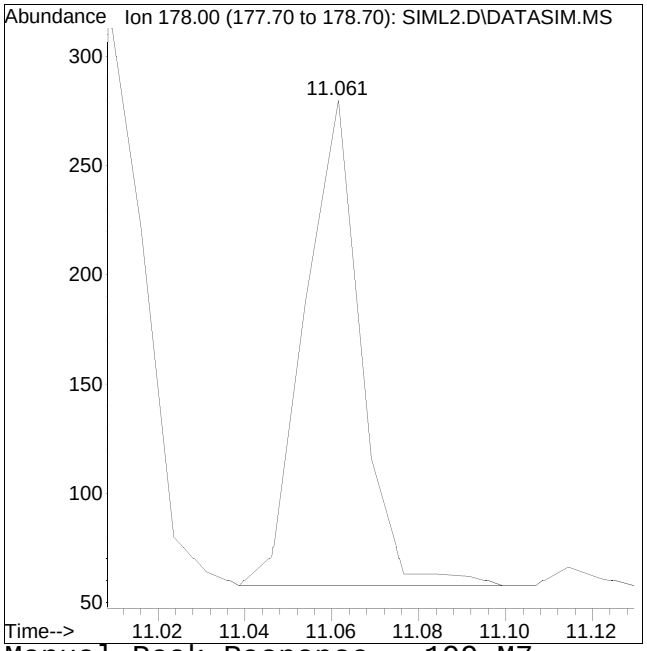
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #28: Anthracene



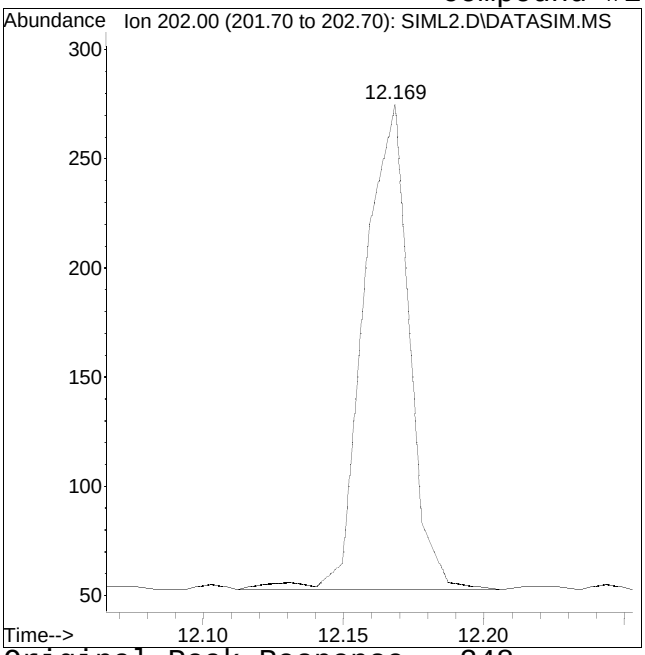


Original Peak Response = 199 Manual Peak Response = 199 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

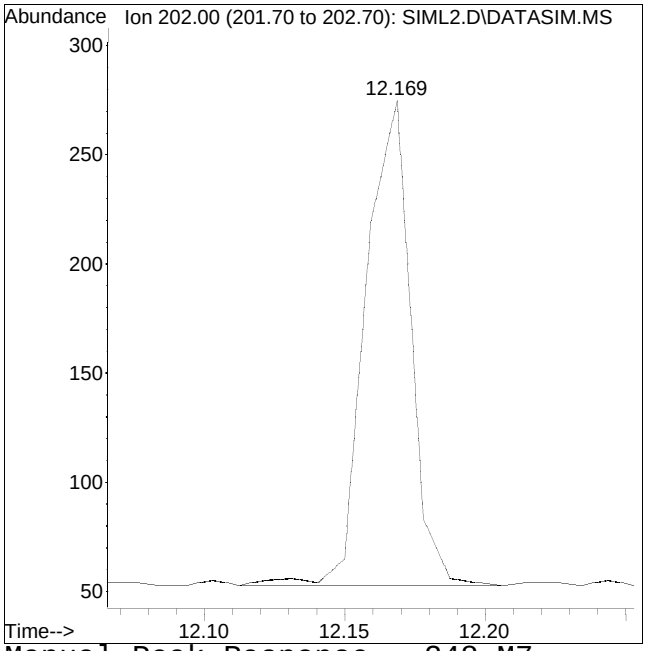
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #29: Fluoranthene



Original Peak Response = 248



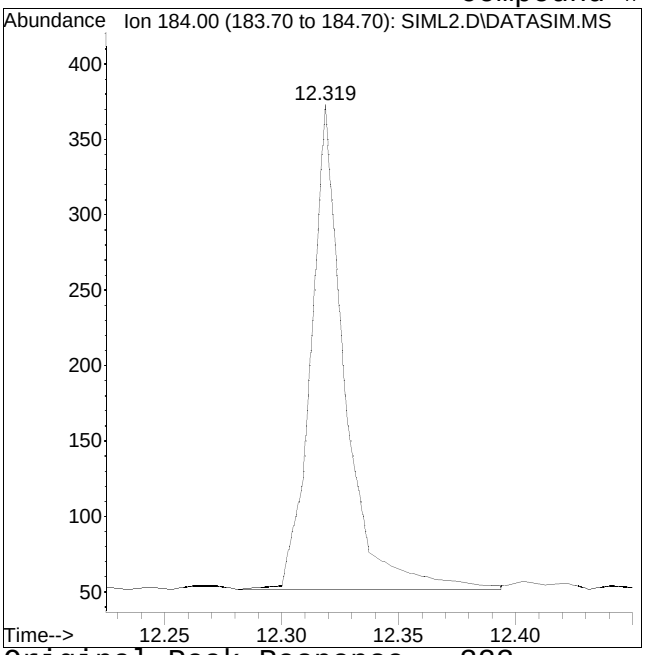
Manual Peak Response = 248 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

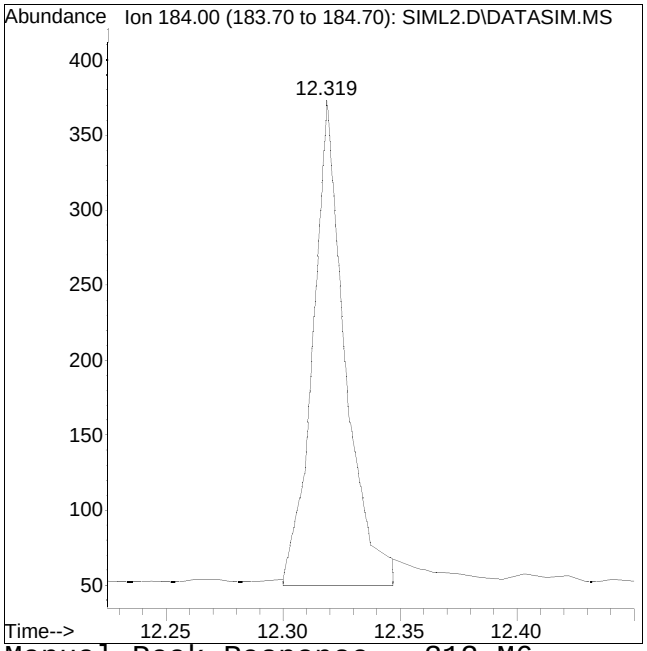
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #30: Benzidine



Original Peak Response = 323



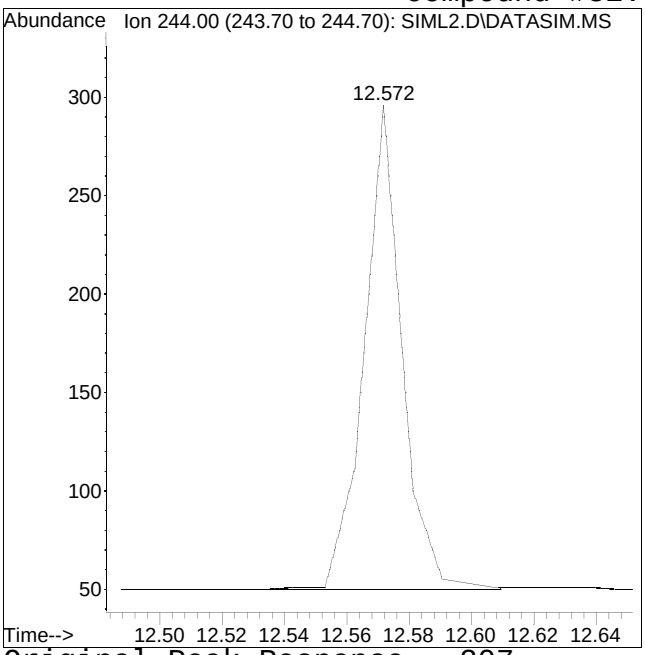
Manual Peak Response = 312 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

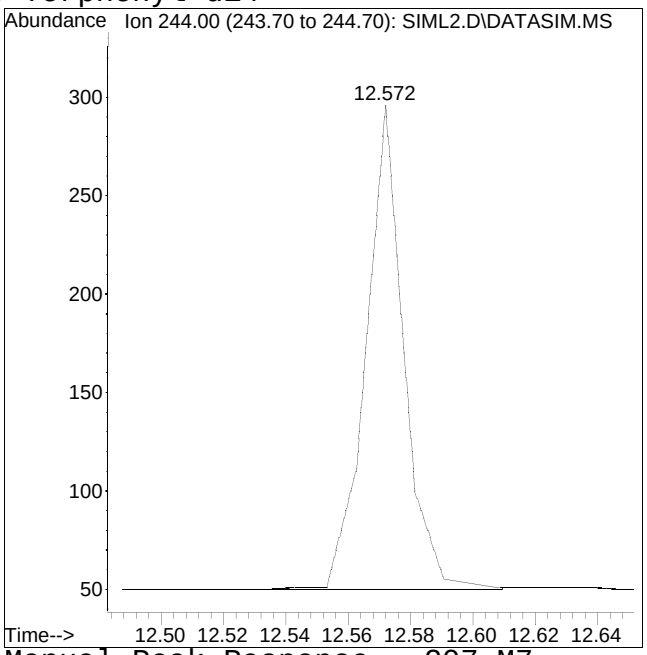
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #32: 4-Terphenyl-d14



Original Peak Response = 207



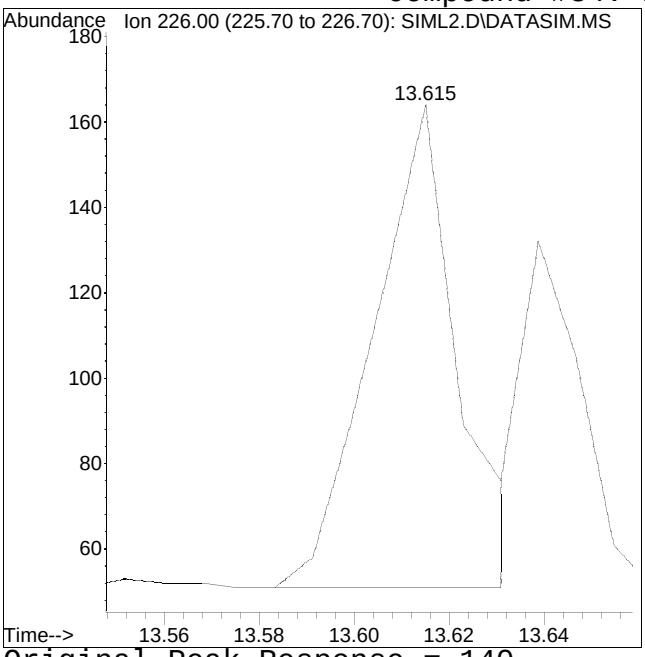
Manual Peak Response = 207 M7

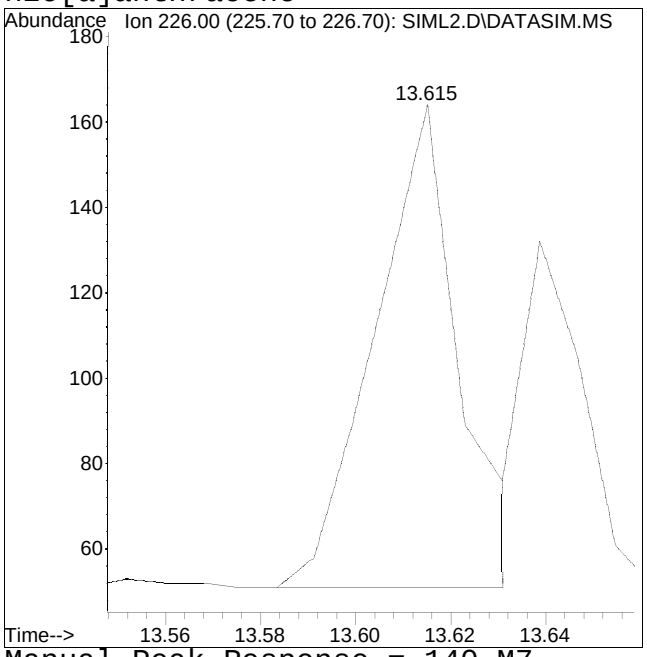
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #34: Benzo[a]anthracene



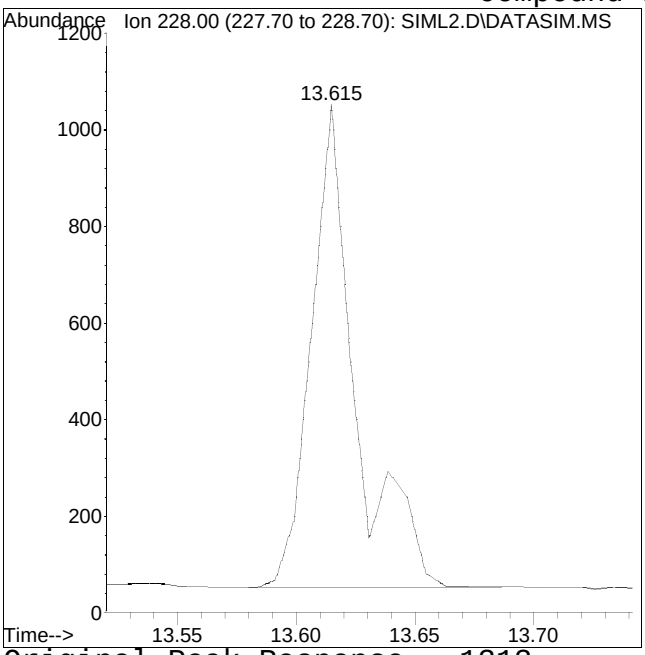


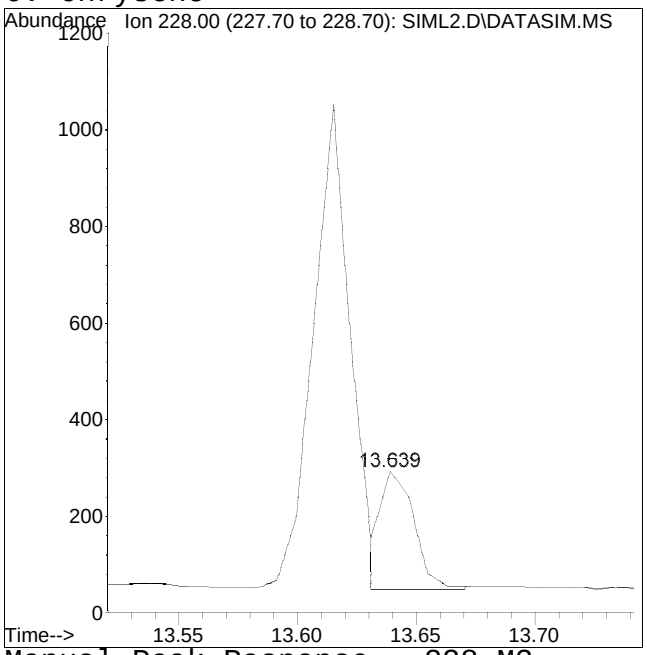
Original Peak Response = 140 Manual Peak Response = 140 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #36: Chrysene



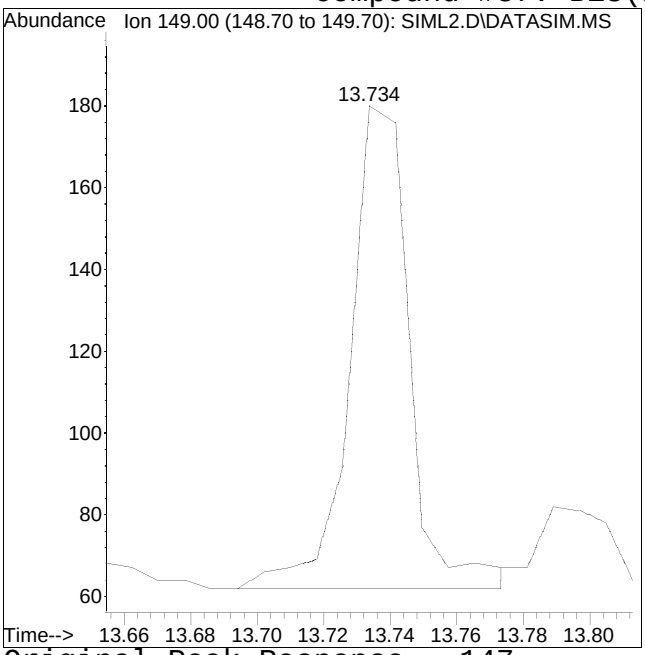


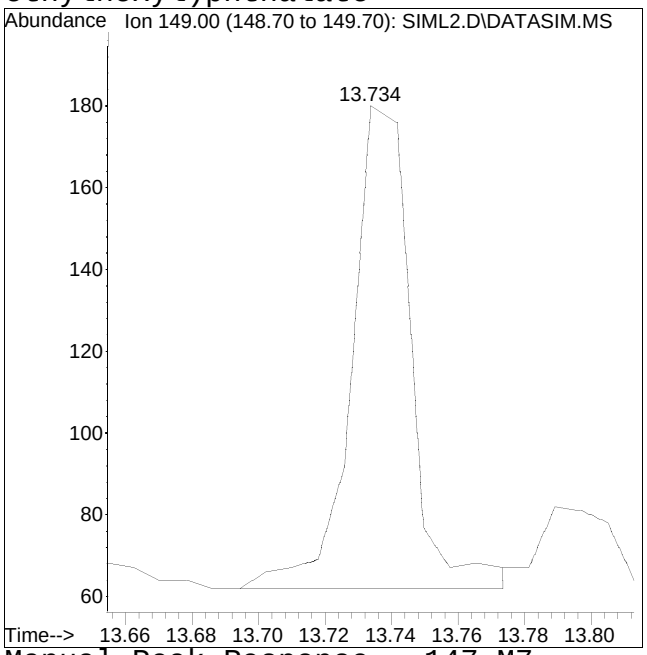
Original Peak Response = 1313 Manual Peak Response = 228 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #37: Bis(2-ethylhexyl)phthalate

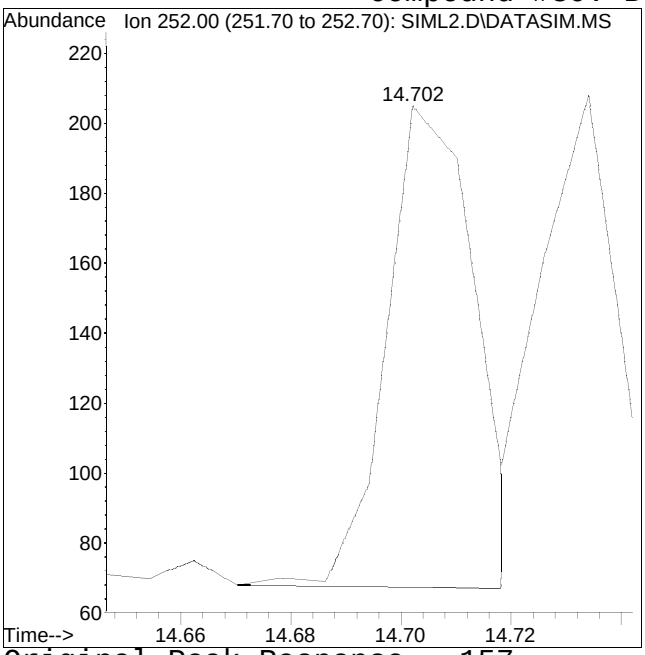




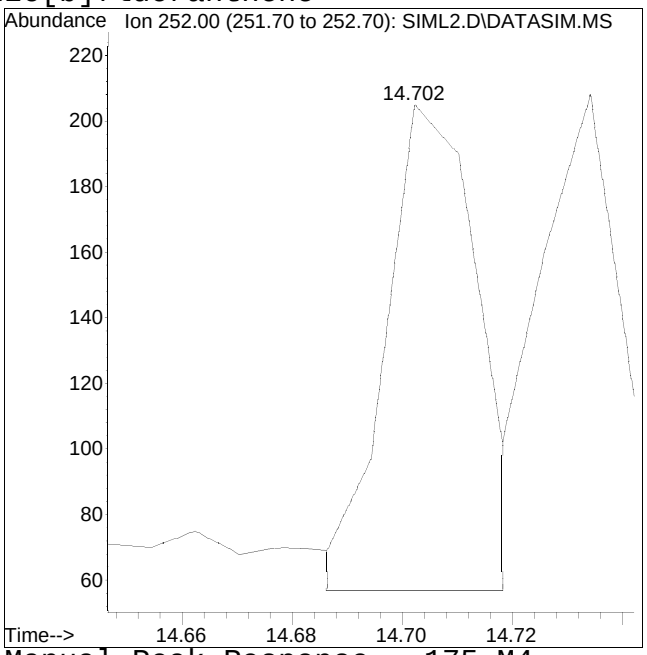
Original Peak Response = 147 Manual Peak Response = 147 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #39: Benzo[b]fluoranthene



Original Peak Response = 157



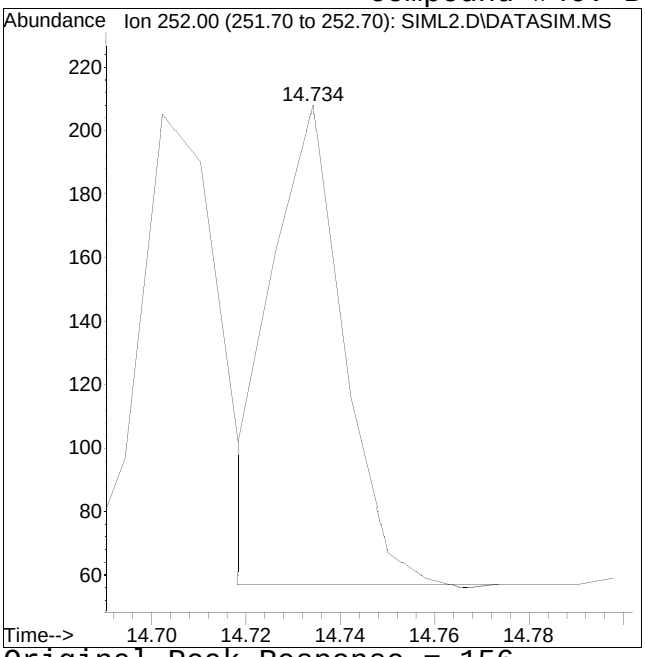
Manual Peak Response = 175 M4

M4 = Poor automated baseline construction.

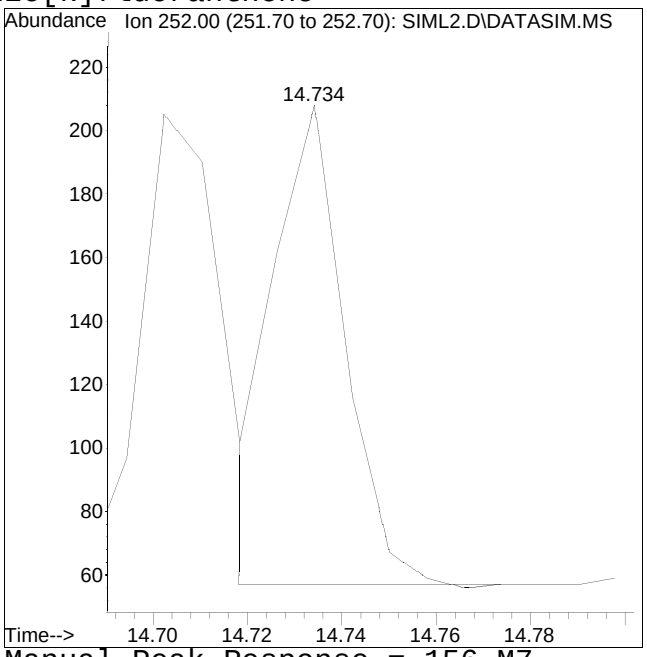
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 156



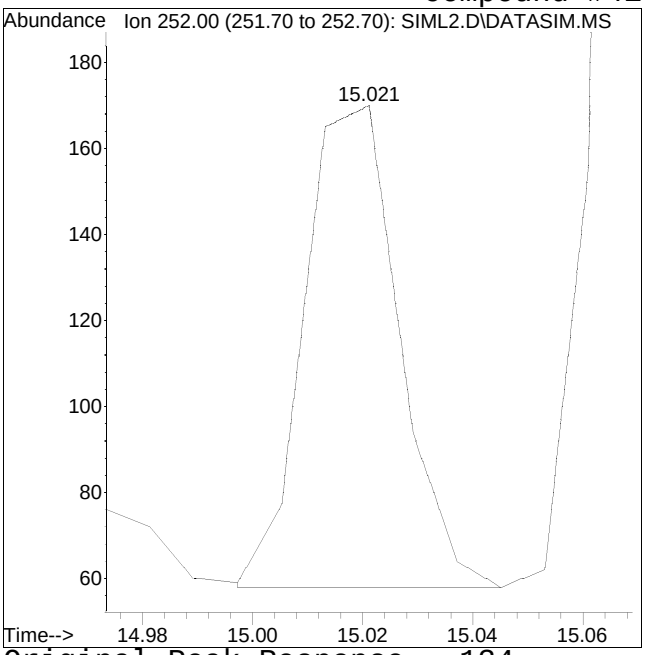
Manual Peak Response = 156 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

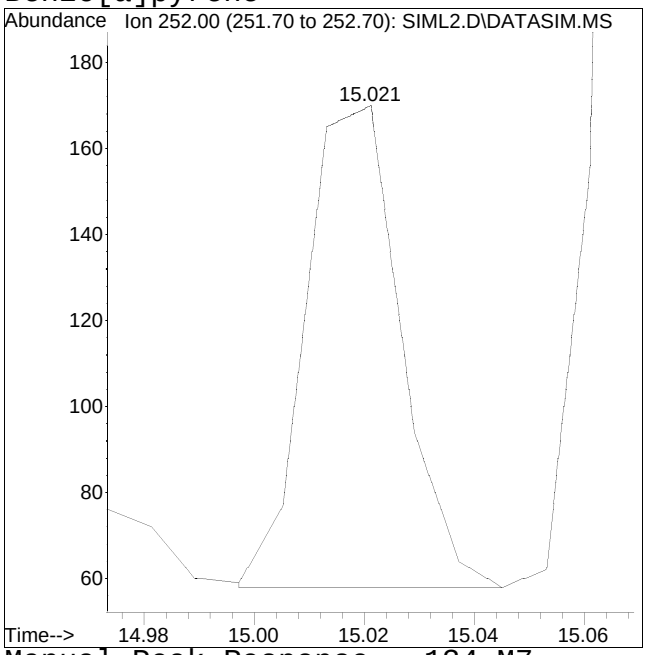
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #41: Benzo[a]pyrene



Original Peak Response = 134



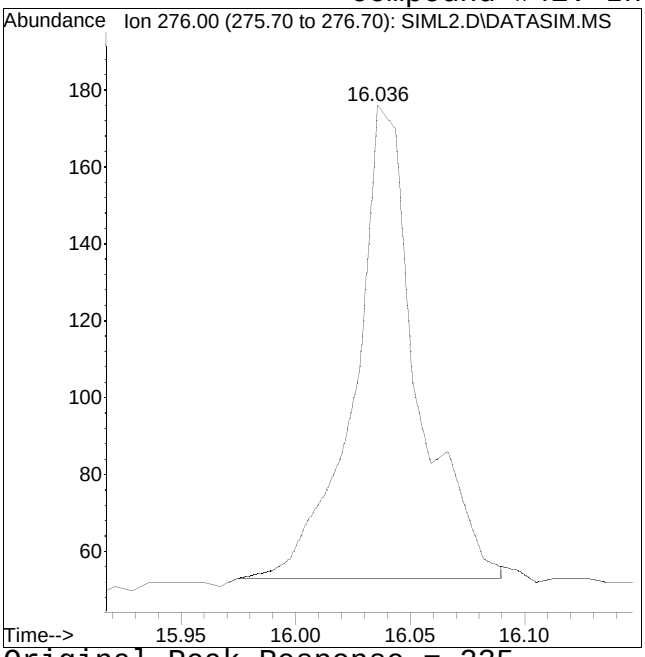
Manual Peak Response = 134 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

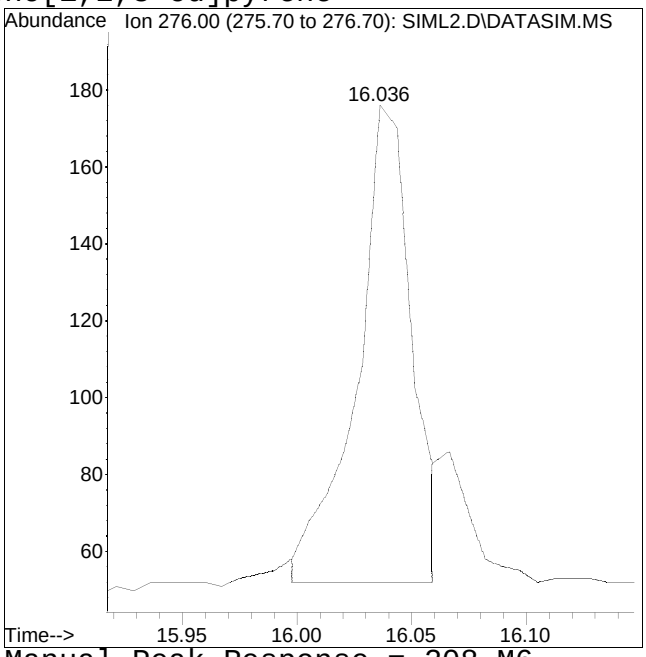
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 235



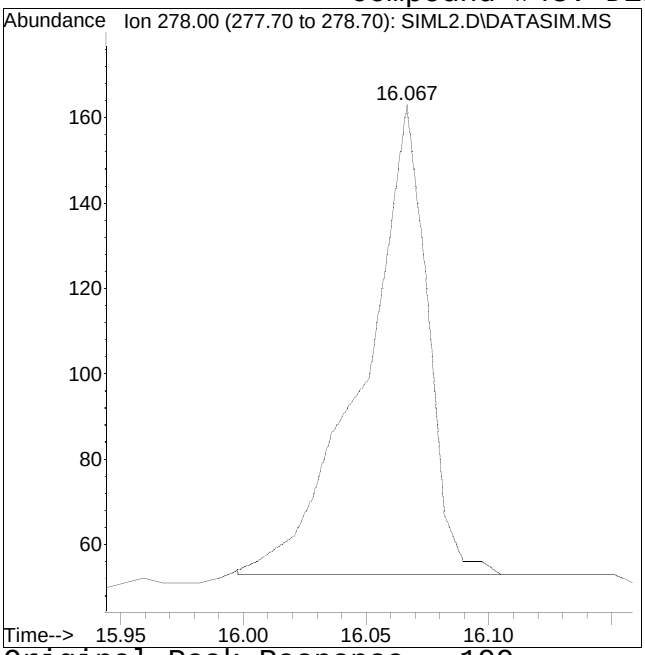
Manual Peak Response = 208 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

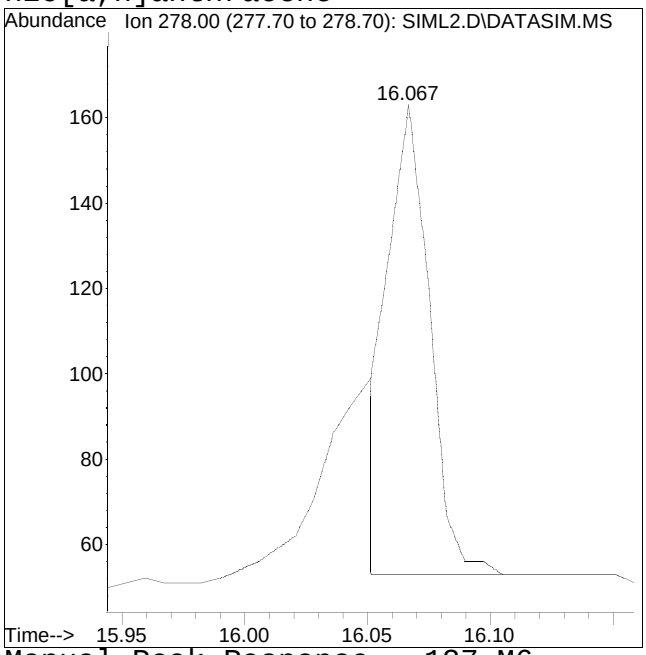
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML2.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:32 pm Instrument : SV 106
Sample : IL2,32,,0.002 Lot# 11287 Quant Date : 3/25/2025 2:35 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 199



Manual Peak Response = 127 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML1.D
Acq On : 11 Mar 2025 9:55 pm
Operator : SV106:dv
Sample : IL1,32,,0.001 Lot# 11288
Misc : WG2051155,,ical
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 08 14:26:58 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 14:20:38 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.357	152	79498	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 134.98%			
9) Naphthalene-d8	7.788	136	282095	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 133.91%			
18) Acenaphthene-d10	9.556	164	167911	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 129.22%			
23) Phenanthrene-d10	10.986	188	367726	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 137.23%			
33) Chrysene-d12	13.615	240	345707	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 134.33%			
38) Perylene-d12	15.077	264	365464	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 126.15%			
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
4) Phenol-d6	0.000	99	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
8) Nitrobenzene-d5	0.000	82	0	0.000	ng/ml	
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.00%#			
14) 2-Fluorobiphenyl	8.916	172	63M2	0.991	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.10%#			
22) 2,4,6-Tribromophenol	0.000	330	0	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
32) 4-Terphenyl-d14	12.572	244	174M4	1.904	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.19%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D.		
6) Hexachloroethane	0.000		0	N.D.		
7) n-nitrosodi-n-propylamine	0.000		0	N.D.		
10) Naphthalene	7.810	128	100M6	1.217	ng/ml	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	8.527	142	54M6	1.136	ng/ml	
13) 1-Methylnaphthalene	8.624	142	54M6	1.086	ng/ml	
15) 2-Chloronaphthalene	9.006	162	56M6	0.998	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML1.D
Acq On : 11 Mar 2025 9:55 pm
Operator : SV106:dv
Sample : IL1,32,,0.001 Lot# 11288
Misc : WG2051155,,ical
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 08 14:26:58 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 14:20:38 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
16) Acenaphthylene	9.409	152	85M7	1.024	ng/ml	
17) 2,6-Dinitrotoluene	0.000		0	N.D.		
19) Acenaphthene	9.577	153	68M6	1.238	ng/ml	
20) 2,4-Dinitrotoluene	0.000		0	N.D.		
21) Fluorene	10.088	166	75	1.215	ng/ml	97
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	0.000		0	N.D.		
26) Pentachlorophenol	10.819	266	144	7.914	ng/ml	88
27) Phenanthrene	11.009	178	166M6	1.454	ng/ml	
28) Anthracene	11.062	178	139M4	1.332	ng/ml	
29) Fluoranthene	12.160	202	183M4	1.453	ng/ml	
30) Benzidine	12.319	184	450	6.424	ng/mL#	94
31) Pyrene	12.375	202	211	1.660	ng/ml	99
34) Benzo[a]anthracene	13.607	226	113M6	3.079	ng/ml	
35) 3,3'-Dichlorobenzidine	13.607	252	99	2.518	ng/ml#	1
36) Chrysene	13.639	228	167M3	1.349	ng/ml	
37) Bis(2-ethylhexyl)phtha...	13.734	149	168	3.363	ng/ml	93
39) Benzo[b]fluoranthene	14.703	252	136	1.228	ng/ml#	83
40) Benzo[k]fluoranthene	14.734	252	124M7	1.364	ng/ml	
41) Benzo[a]pyrene	15.013	252	114M1	1.314	ng/ml	
42) Indeno[1,2,3-cd]pyrene	16.036	276	120M6	1.258	ng/ml	
43) Dibenzo[a,h]anthracene	16.059	278	119M6	1.371	ng/ml	
44) Benzo[g,h,i]perylene	16.274	276	137M6	1.418	ng/ml	

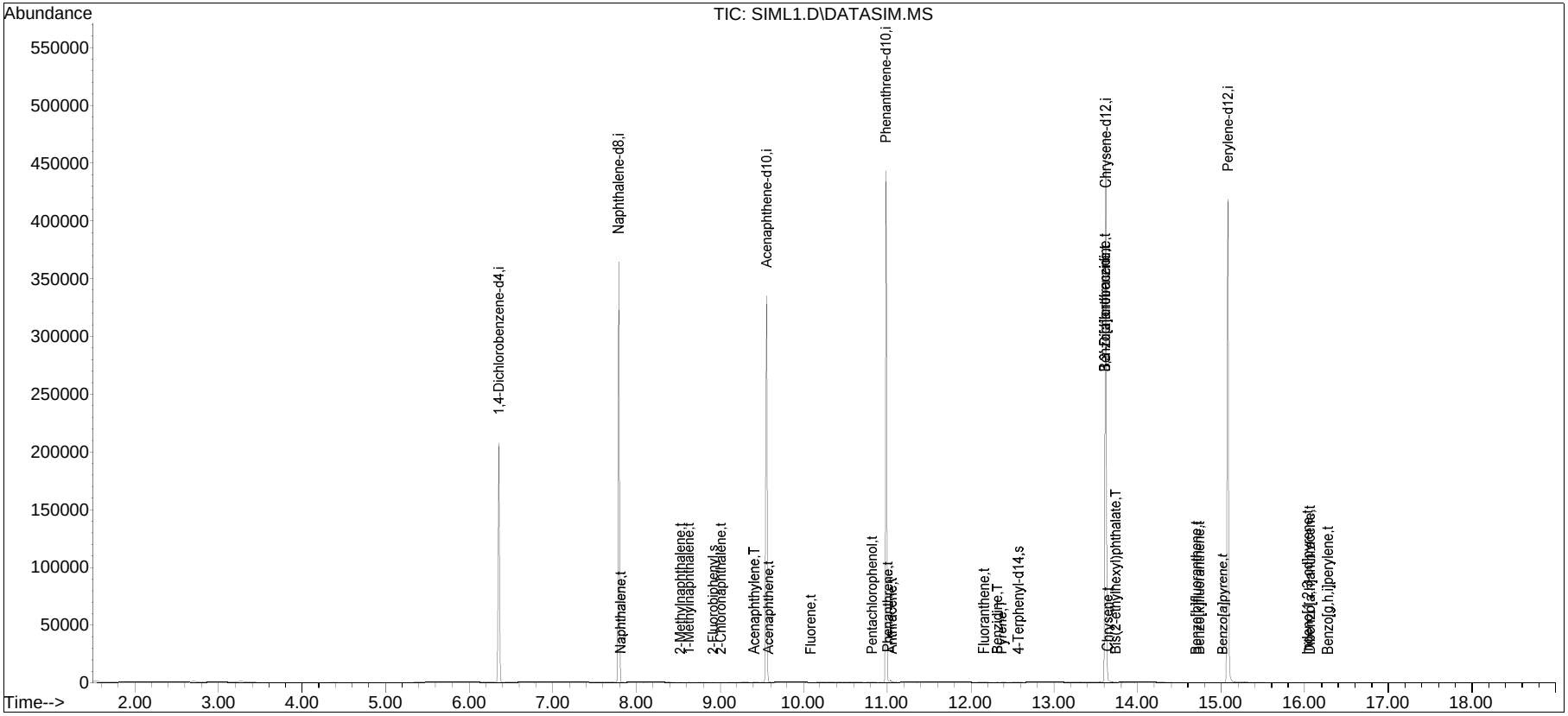
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIML1.D
Acq On : 11 Mar 2025 9:55 pm
Operator : SV106:dv
Sample : IL1,32,,0.001 Lot# 11288
Misc : WG2051155,,ical
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 08 14:26:58 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 14:20:38 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedIM\SIML8.D•

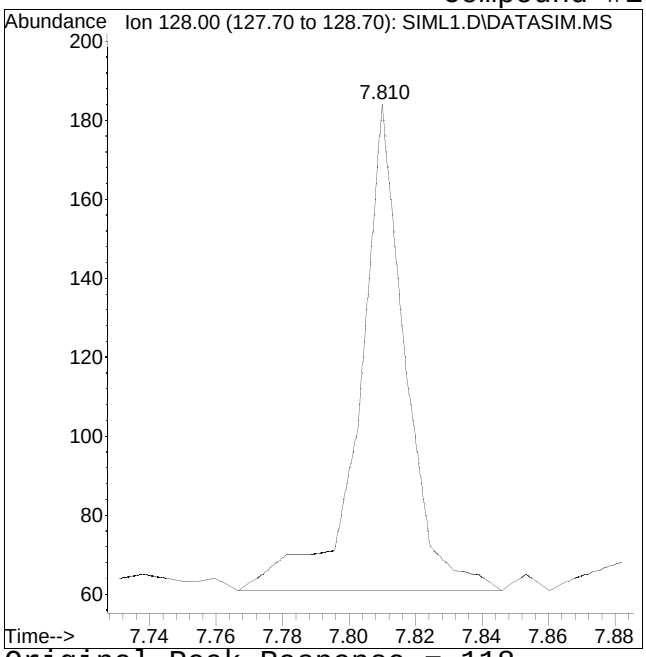


Manual Integration Report

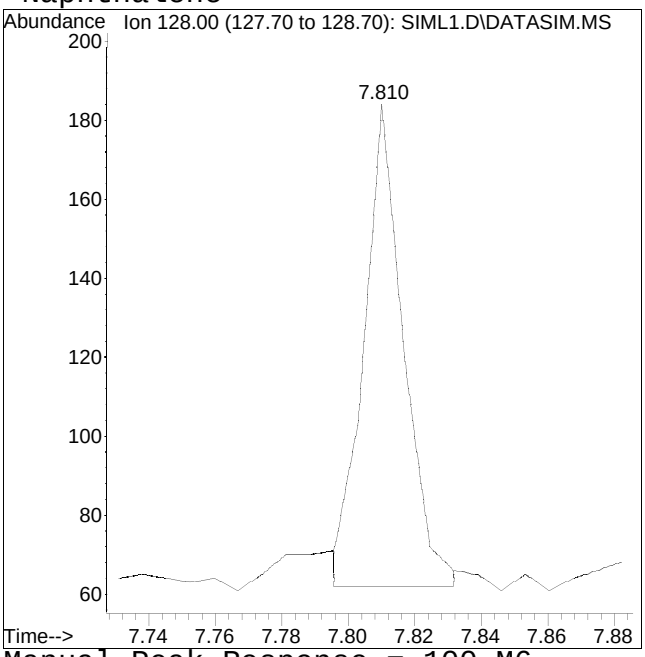
Data Path : I:\8270\SV106\250311ical_SQ
Data File : SIML1.D
Date Inj'd : 3/11/2025 9:55 pm
Sample : IL1,32,,0.001 Lot# 11288

Method : SIM-RVT_250311_sv106.M
Operator : SV106:dv
Instrument : SV 106
Quant Date : 4/8/2025 2:21 pm

Compound #10: Naphthalene



Original Peak Response = 118



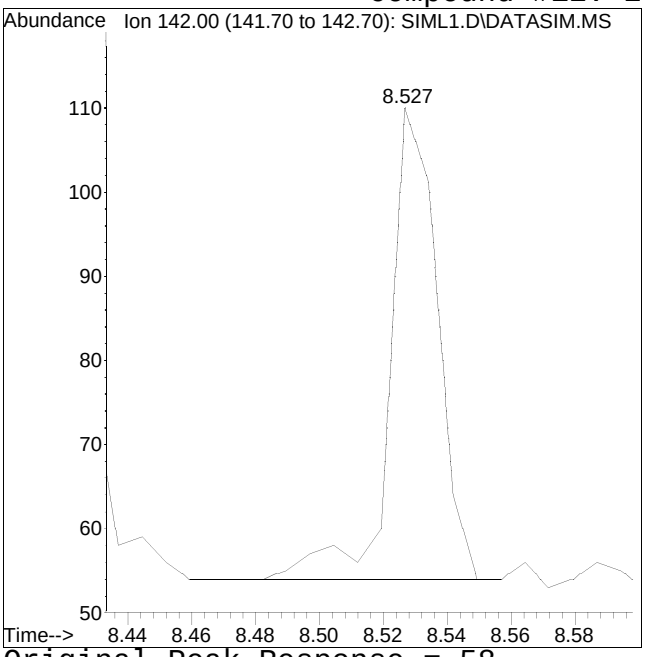
Manual Peak Response = 100 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

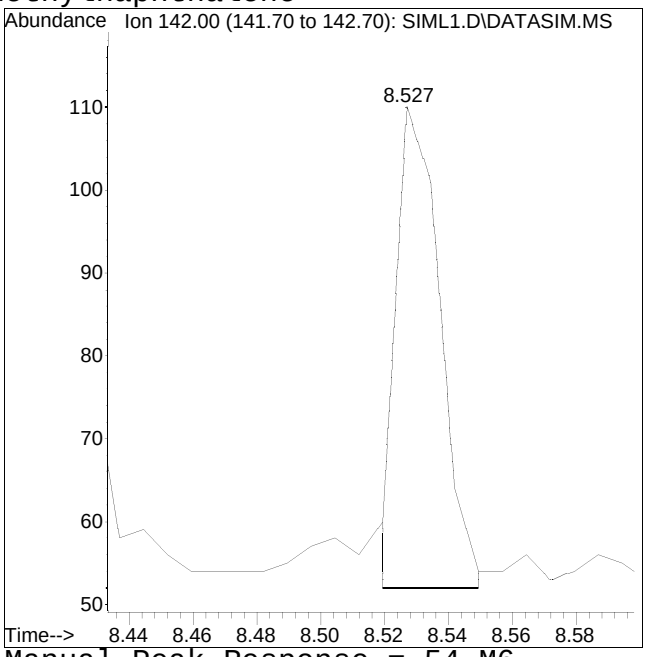
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #12: 2-Methylnaphthalene



Original Peak Response = 58



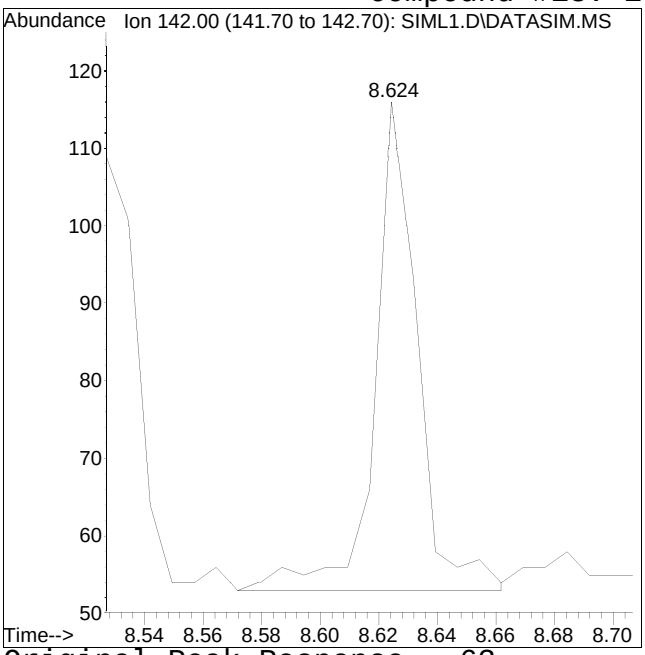
Manual Peak Response = 54 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

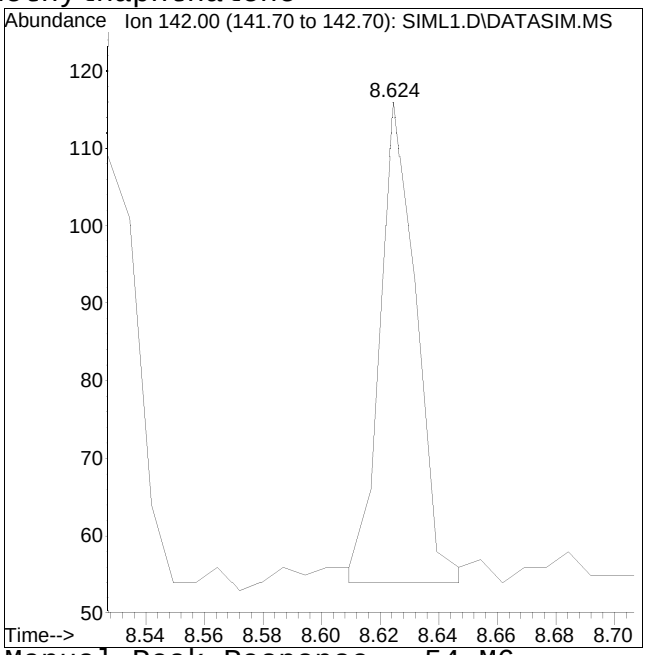
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #13: 1-Methylnaphthalene



Original Peak Response = 63



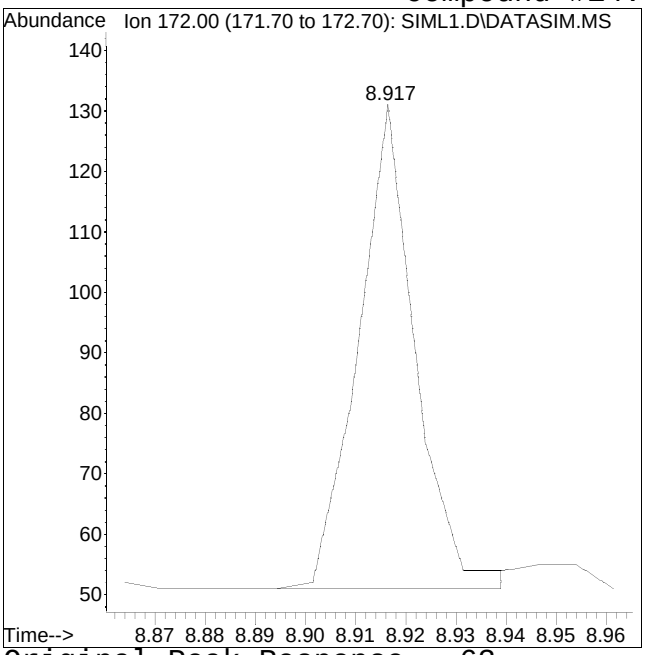
Manual Peak Response = 54 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

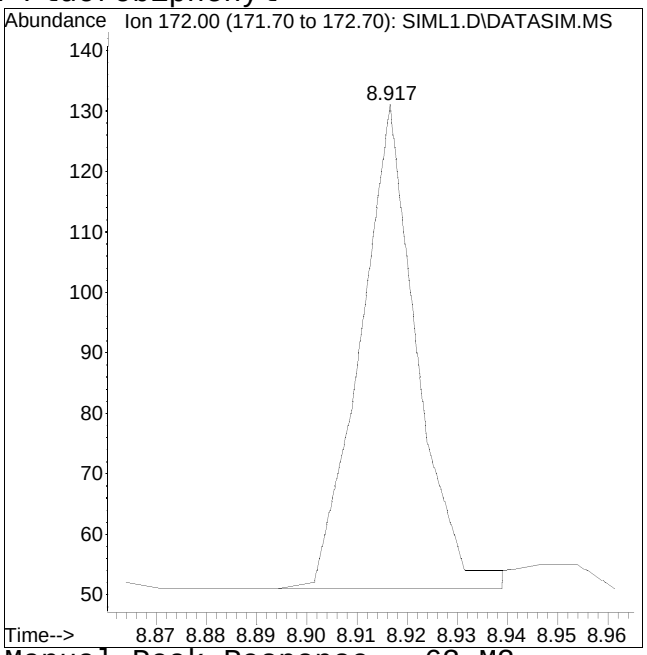
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #14: 2-Fluorobiphenyl



Original Peak Response = 63



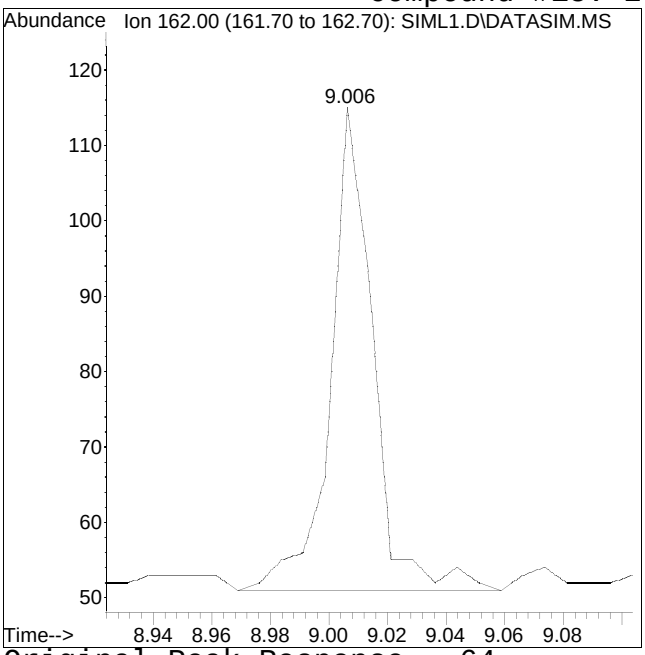
Manual Peak Response = 63 M2

M2 = Peak not found by automatic integration algorithm.

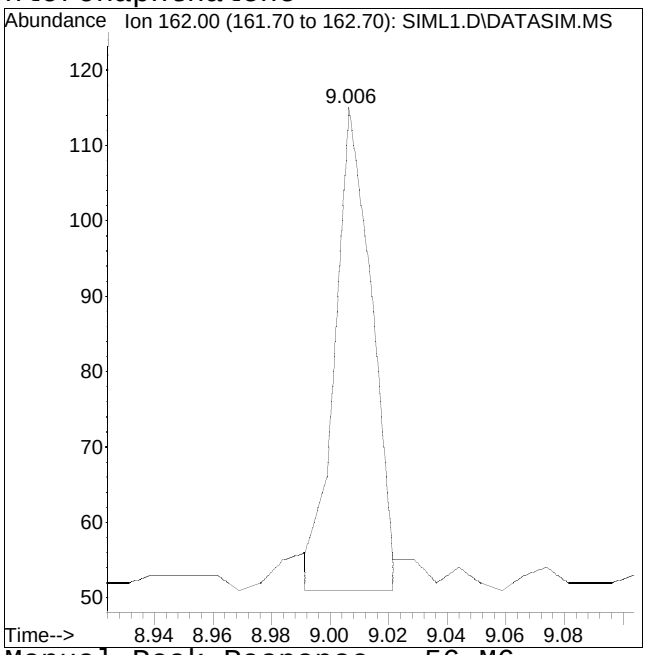
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #15: 2-Chloronaphthalene



Original Peak Response = 64



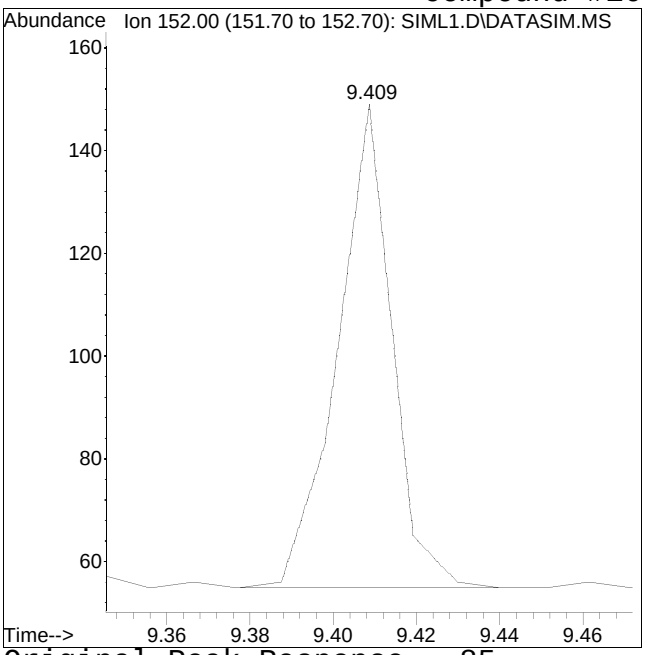
Manual Peak Response = 56 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

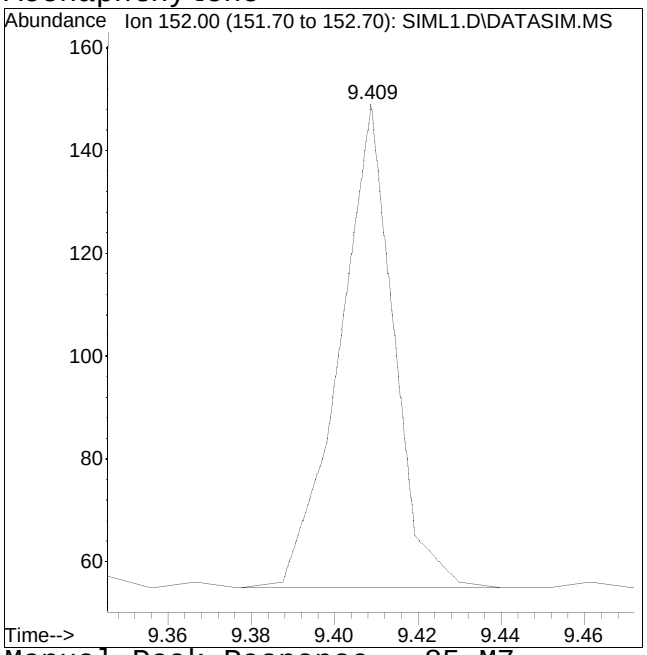
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #16: Acenaphthylene



Original Peak Response = 85



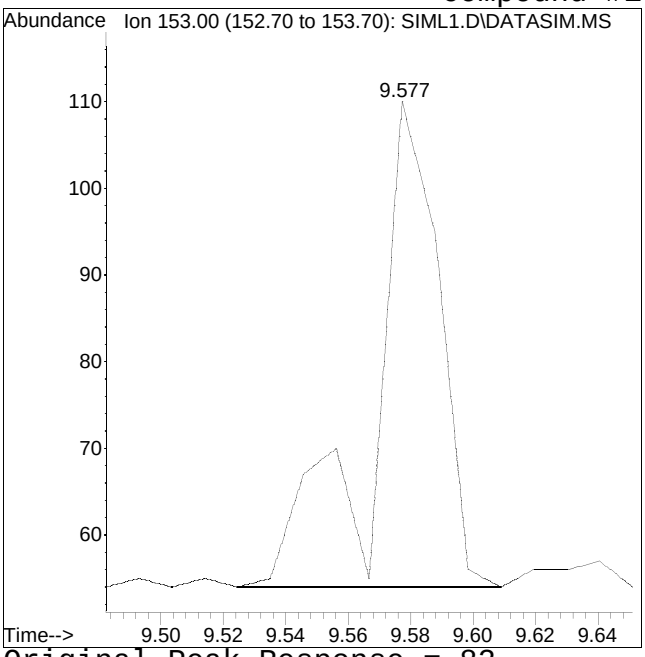
Manual Peak Response = 85 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

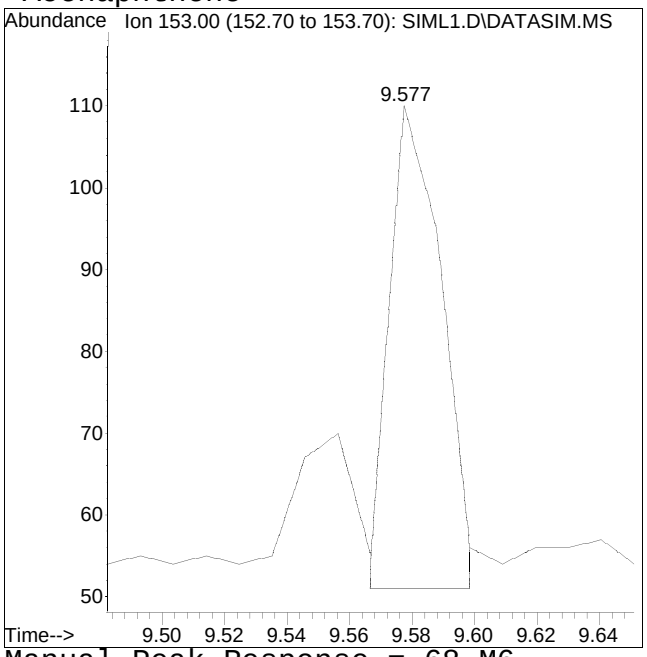
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #19: Acenaphthene



Original Peak Response = 82



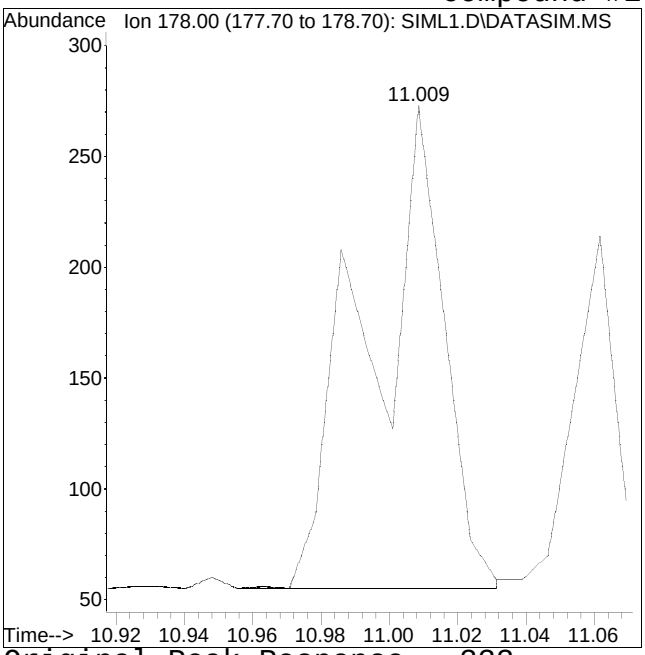
Manual Peak Response = 68 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

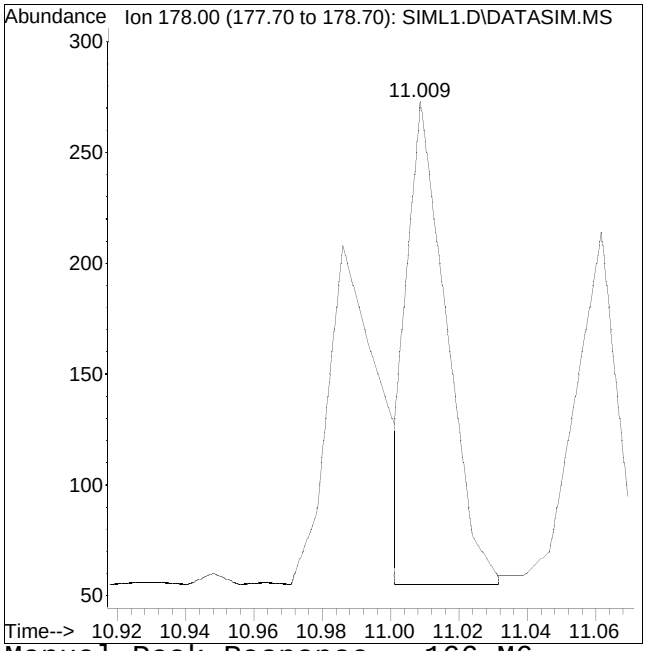
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #27: Phenanthrene



Original Peak Response = 333



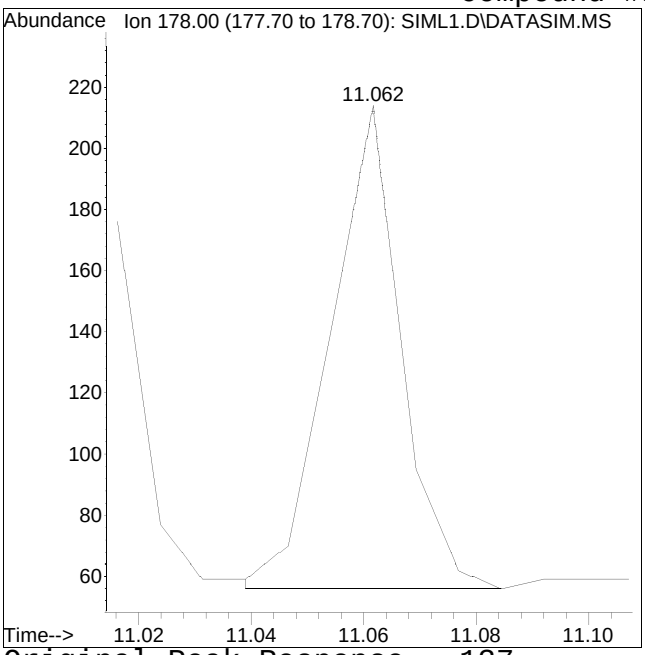
Manual Peak Response = 166 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

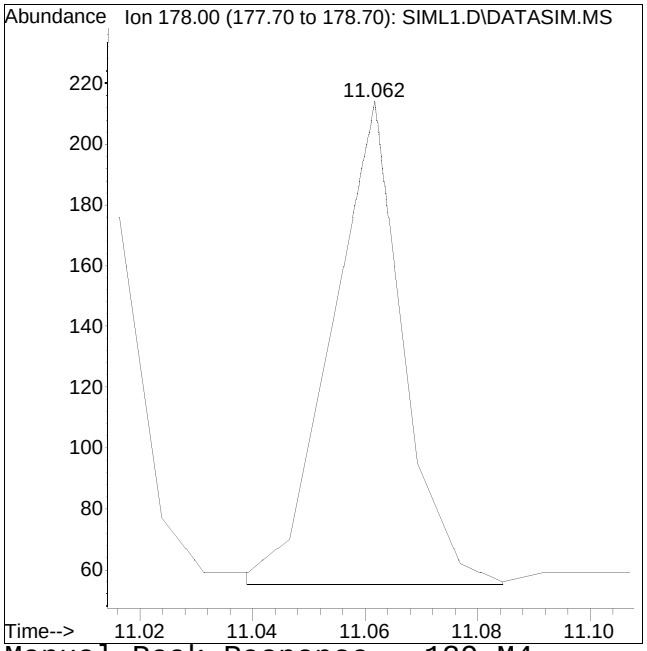
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #28: Anthracene



Original Peak Response = 137



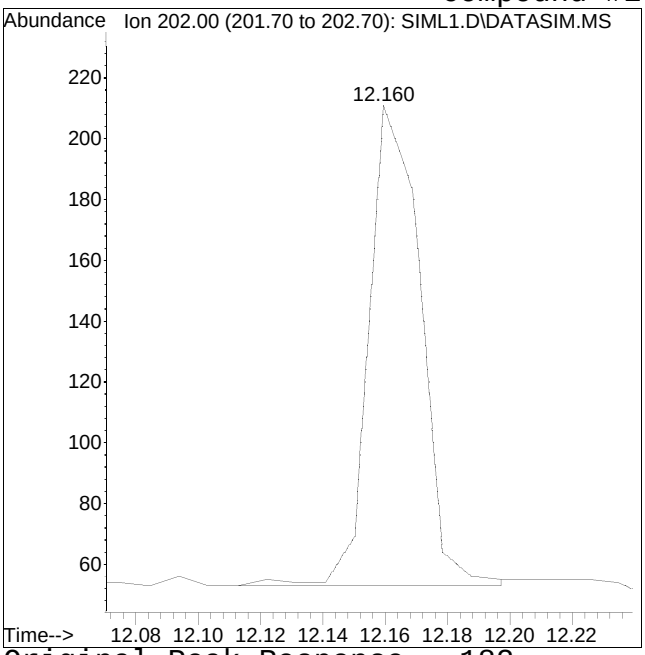
Manual Peak Response = 139 M4

M4 = Poor automated baseline construction.

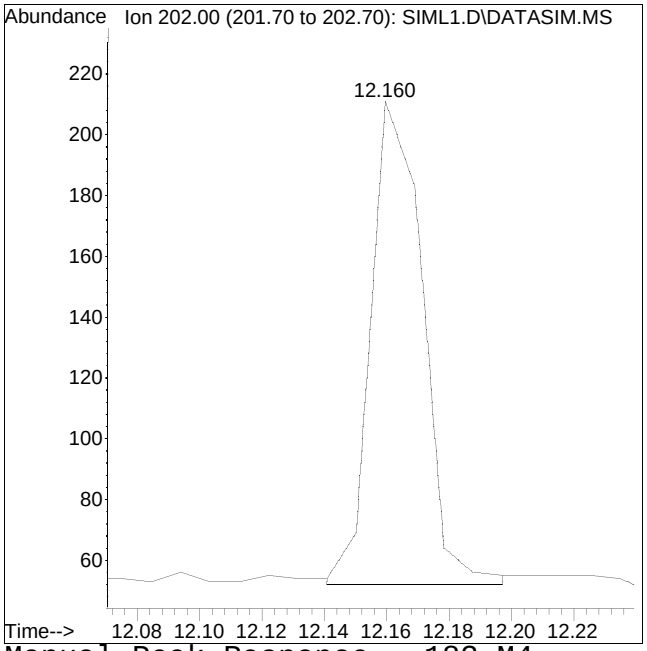
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #29: Fluoranthene



Original Peak Response = 182



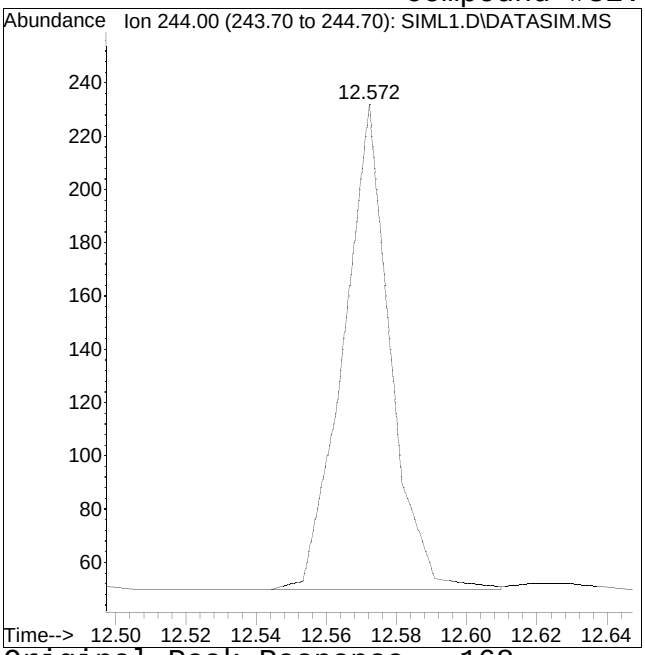
Manual Peak Response = 183 M4

M4 = Poor automated baseline construction.

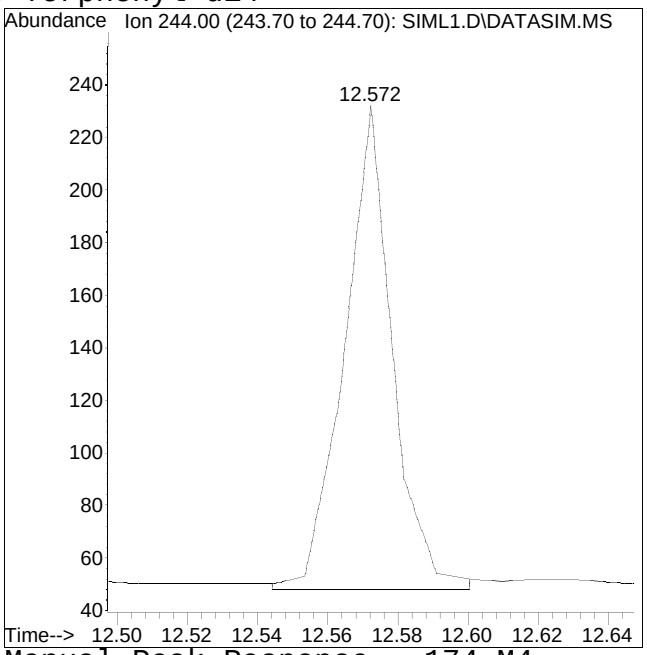
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #32: 4-Terphenyl-d14



Original Peak Response = 168



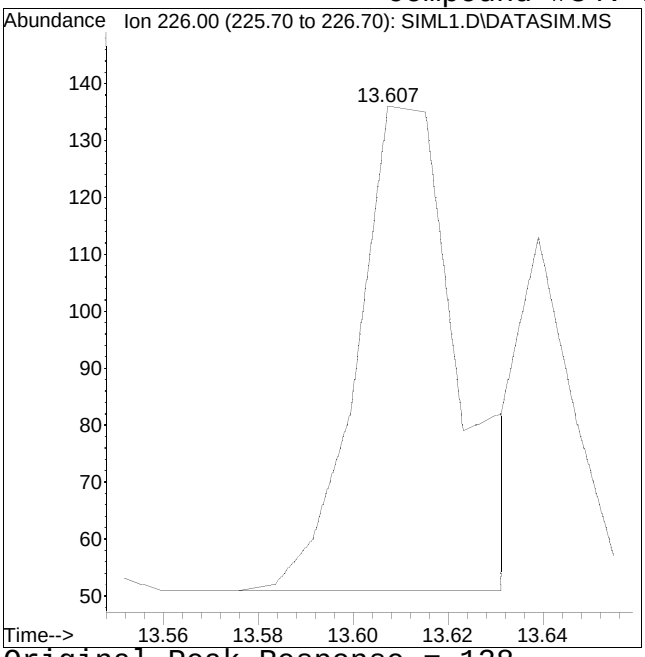
Manual Peak Response = 174 M4

M4 = Poor automated baseline construction.

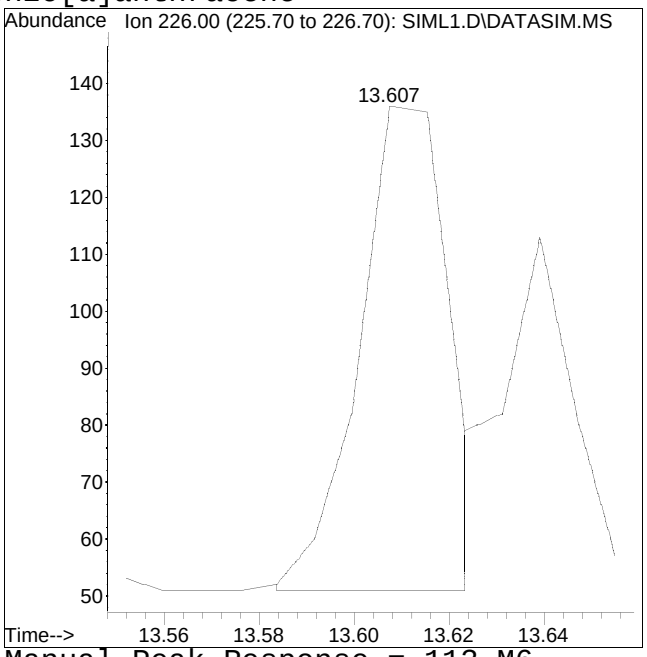
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #34: Benzo[a]anthracene



Original Peak Response = 128



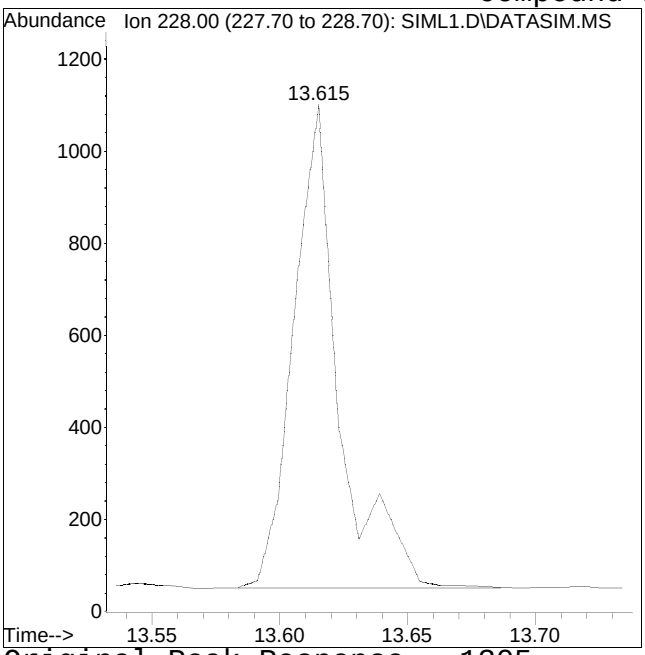
Manual Peak Response = 113 M6

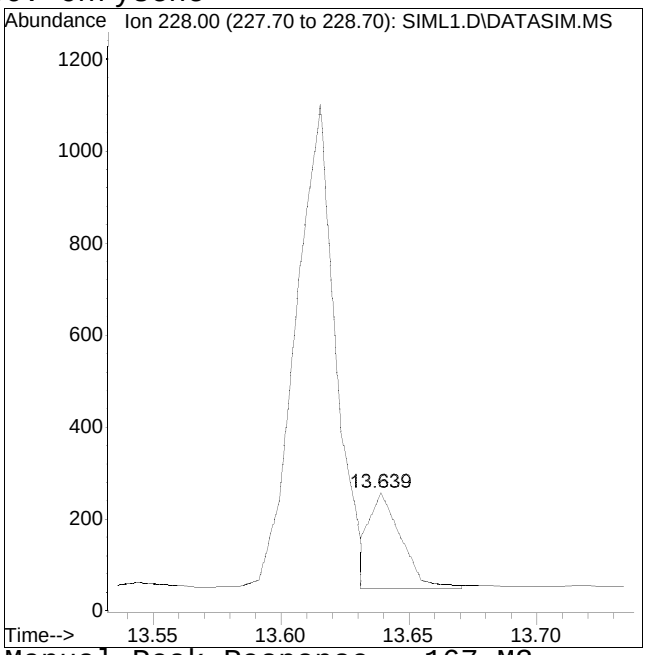
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #36: Chrysene



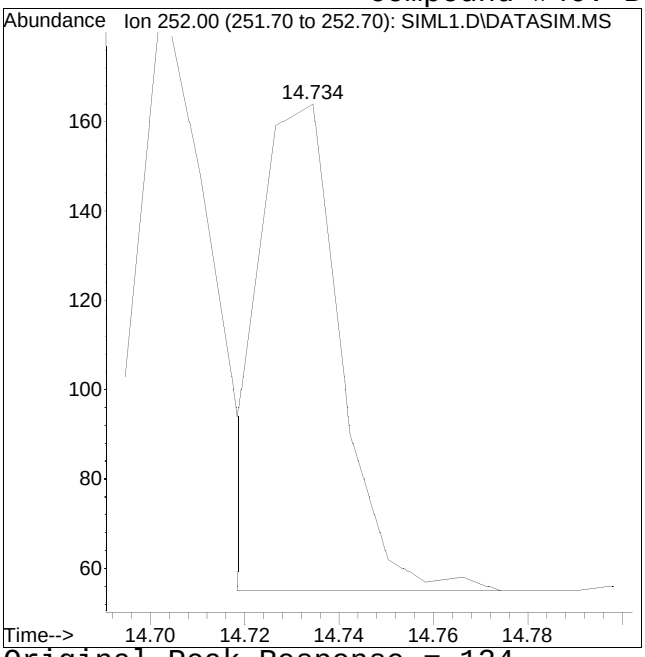


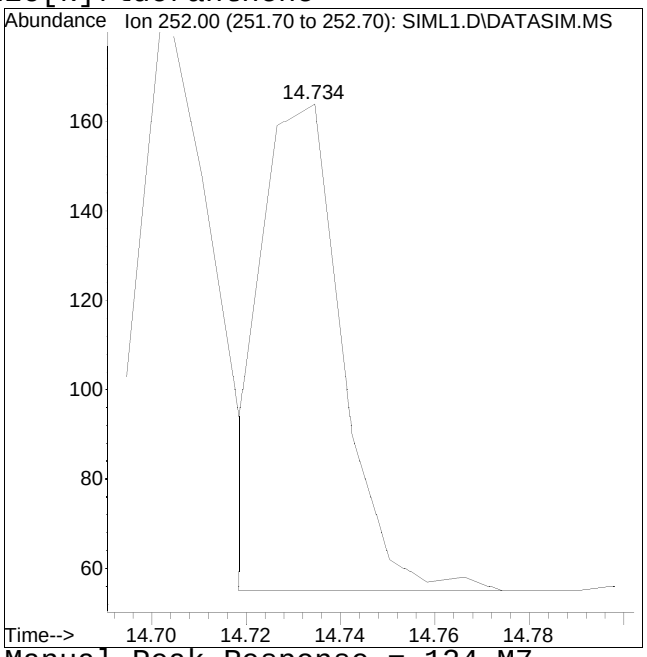
Original Peak Response = 1305 Manual Peak Response = 167 M3
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #40: Benzo[k]fluoranthene



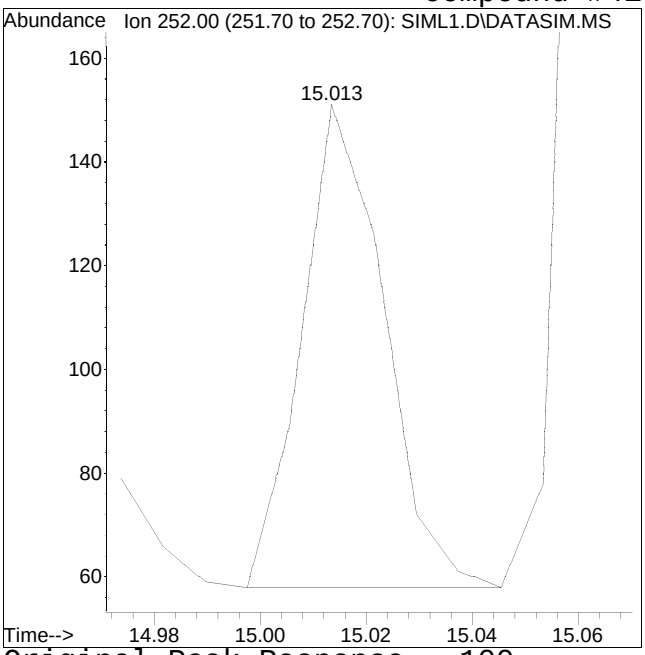


Original Peak Response = 124 Manual Peak Response = 124 M7
M7 = A qualifier ion was manually integrated (only for GC/MS data).

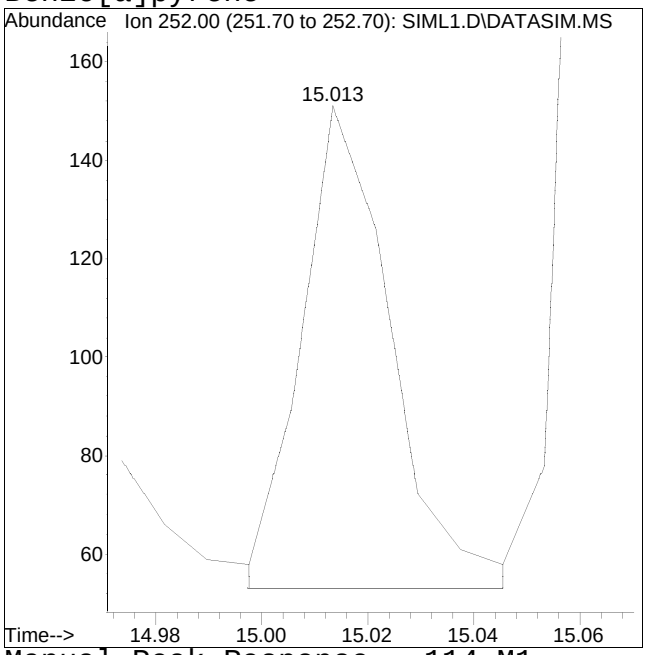
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #41: Benzo[a]pyrene



Original Peak Response = 100



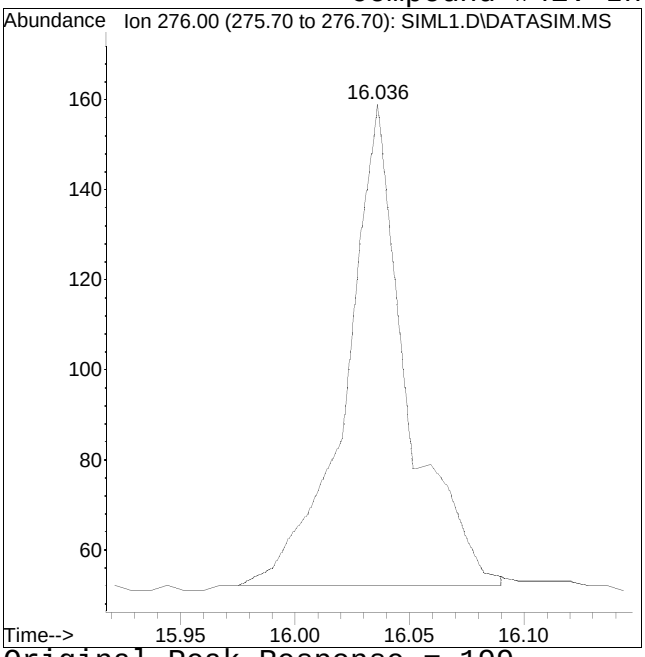
Manual Peak Response = 114 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

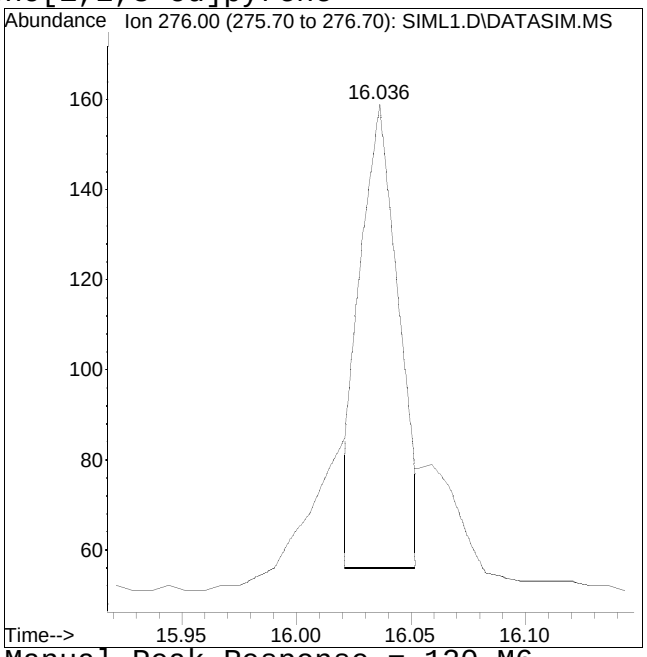
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 199



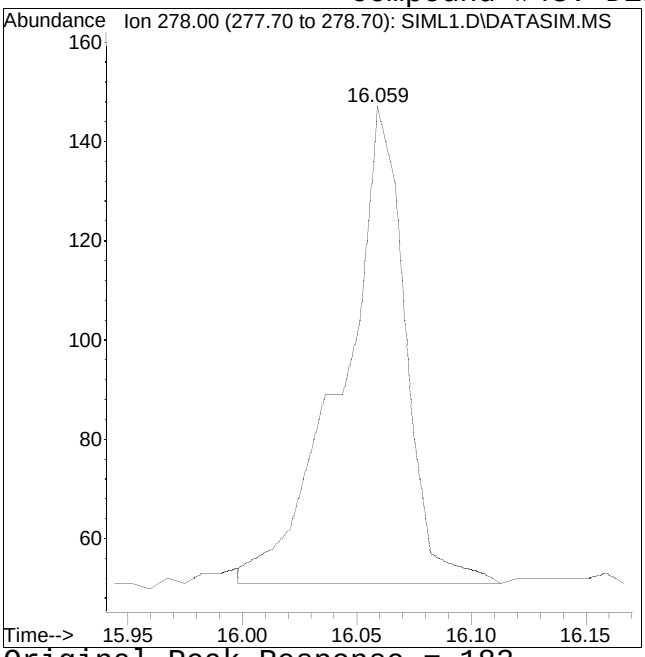
Manual Peak Response = 120 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

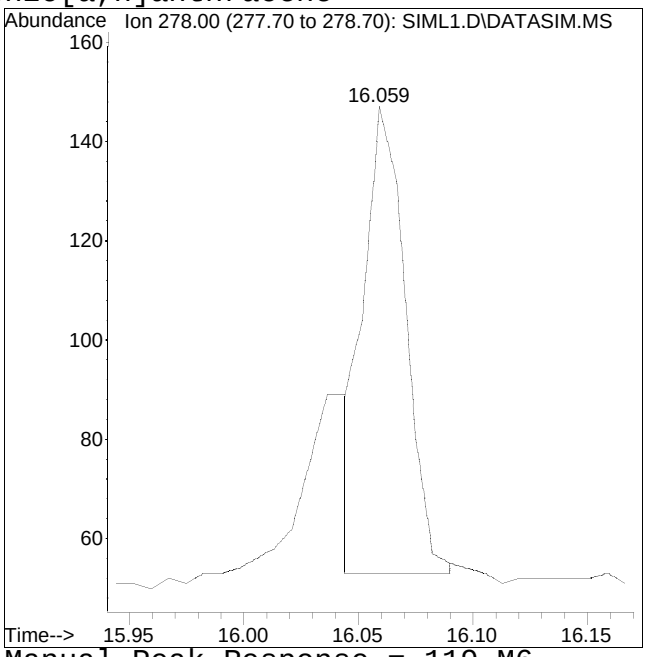
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 183



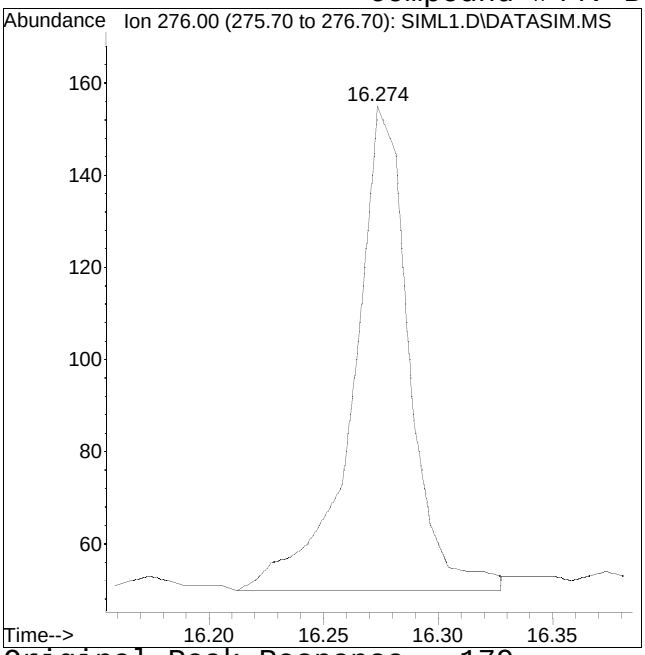
Manual Peak Response = 119 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

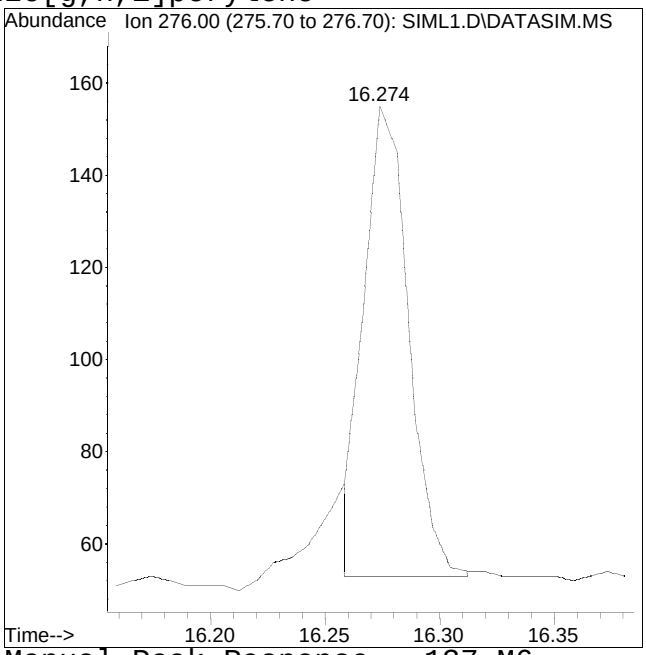
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIML1.D Operator : SV106:dv
Date Inj'd : 3/11/2025 9:55 pm Instrument : SV 106
Sample : IL1,32,,0.001 Lot# 11288 Quant Date : 4/8/2025 2:21 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 179



Manual Peak Response = 137 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIMICV.D
Acq On : 11 Mar 2025 10:42 pm
Operator : SV106:dv
Sample : CQICV1,32,,1 Lot# 11275
Misc : WG2051155,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 08 18:15:48 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
2	T	N-Nitrosodimethylamine	0.665	0.638	4.1	110	-0.03
3	s	2-Fluorophenol	1.016	0.882	13.2	97	0.00
4	s	Phenol-d6	1.207	1.067	11.6	101	0.00
5	T	Bis(2-chloroethyl)ether	1.141	1.019	10.7	104	0.00
6	T	Hexachloroethane	0.531	0.447	15.8	105	0.00
7	T	n-nitrosodi-n-propylamine	0.803	0.683	14.9	102	0.00
8	s	Nitrobenzene-d5	0.970	0.861	11.2	101	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	121	0.00
10	t	Naphthalene	1.109	0.971	12.4	107	0.00
11	t	Hexachlorobutadiene	0.236	0.200	15.3	103	0.00
12	t	2-Methylnaphthalene	0.658	0.581	11.7	108	0.00
13	t	1-Methylnaphthalene	0.684	0.608	11.1	106	0.00
14	s	2-Fluorobiphenyl	0.902	0.804	10.9	104	0.00
15	t	2-Chloronaphthalene	0.783	0.686	12.4	105	0.00
16	T	Acenaphthylene	1.174	1.065	9.3	103	0.00
17	t	2,6-Dinitrotoluene	0.137	0.111	19.0	95	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	120	0.00
19	t	Acenaphthene	1.316	1.124	14.6	105	-0.01
20	t	2,4-Dinitrotoluene	0.271	0.220	18.8	96	0.00
21	t	Fluorene	1.471	1.253	14.8	104	0.00
22	s	2,4,6-Tribromophenol	0.198	0.164	17.2	94	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	124	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	800.732	19.9	95	0.00
25	t	Hexachlorobenzene	0.264	0.220	16.7	105	0.00
26	t	Pentachlorophenol	*1000.000	833.797	16.6	98	0.00
27	t	Phenanthrene	1.180	0.965	18.2	103	0.00
28	t	Anthracene	1.096	0.926	15.5	103	0.00
29	t	Fluoranthene	1.302	1.072	17.7	102	0.00
30	T	Benzidine	*1000.000	1024.741	-2.5	119	0.00
31	T	Pyrene	1.382	1.164	15.8	104	0.00
32	s	4-Terphenyl-d14	0.994	0.797	19.8	102	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	126	0.00
34	t	Benzo[a]anthracene	*1000.000	827.457	17.3	100	0.00
35	t	3,3'-Dichlorobenzidine	0.455	0.398	12.5	109	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIMICV.D
Acq On : 11 Mar 2025 10:42 pm
Operator : SV106:dv
Sample : CQICV1,32,,1 Lot# 11275
Misc : WG2051155,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 08 18:15:48 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.386	1.153	16.8	106	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	803.318	19.7	97	0.00
38	i	Perylene-d12	1.000	1.000	0.0	124	0.00
39	t	Benzo[b]fluoranthene	1.152	0.971	15.7	102	0.00
40	t	Benzo[k]fluoranthene	0.995	0.984	1.1	108	0.00
41	t	Benzo[a]pyrene	0.933	0.894	4.2	107	0.00
42	t	Indeno[1,2,3-cd]pyrene	1.044	0.902	13.6	102	0.00
43	t	Dibenzo[a,h]anthracene	0.950	0.919	3.3	105	0.00
44	t	Benzo[g,h,i]perylene	1.057	0.908	14.1	104	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIMICV.D
Acq On : 11 Mar 2025 10:42 pm
Operator : SV106:dv
Sample : CQICV1,32,,1 Lot# 11275
Misc : WG2051155,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 08 18:15:48 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.356	152	71719	4000.000	ng/ml	0.00
Standard Area 1 = 58897			Recovery = 121.77%			
9) Naphthalene-d8	7.788	136	254683	4000.000	ng/ml	0.00
Standard Area 1 = 210668			Recovery = 120.89%			
18) Acenaphthene-d10	9.556	164	155887	4000.000	ng/ml	0.00
Standard Area 1 = 129941			Recovery = 119.97%			
23) Phenanthrene-d10	10.986	188	332608	4000.000	ng/ml	0.00
Standard Area 1 = 267955			Recovery = 124.13%			
33) Chrysene-d12	13.615	240	324117	4000.000	ng/ml	0.00
Standard Area 1 = 257365			Recovery = 125.94%			
38) Perylene-d12	15.077	264	358050	4000.000	ng/ml	0.00
Standard Area 1 = 289717			Recovery = 123.59%			
System Monitoring Compounds						
3) 2-Fluorophenol	4.382	112	15820	868.469	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 43.42%			
4) Phenol-d6	5.982	99	19128	883.979	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.20%			
8) Nitrobenzene-d5	7.023	82	15443	887.661	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 88.77%			
14) 2-Fluorobiphenyl	8.916	172	51174	891.204	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 89.12%			
22) 2,4,6-Tribromophenol	10.320	330	6378	824.725	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 41.24%			
32) 4-Terphenyl-d14	12.572	244	66291	802.123	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.21%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.024	74	11432	959.138	ng/mL	99
5) Bis(2-chloroethyl)ether	6.084	93	18274	892.951	ng/ml	99
6) Hexachloroethane	6.948	117	8020	841.882	ng/ml	99
7) n-nitrosodi-n-propylamine	6.903	70	12248	850.798	ng/ml	99
10) Naphthalene	7.810	128	61855	876.369	ng/ml	100
11) Hexachlorobutadiene	7.982	225	12709	845.997	ng/ml	99
12) 2-Methylnaphthalene	8.527	142	37005	883.679	ng/ml	99
13) 1-Methylnaphthalene	8.624	142	38703	888.908	ng/ml	100
15) 2-Chloronaphthalene	9.006	162	43665	875.503	ng/ml	100
16) Acenaphthylene	9.408	152	67784	906.791	ng/ml	100
17) 2,6-Dinitrotoluene	9.377	165	7069	809.785	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIMICV.D
Acq On : 11 Mar 2025 10:42 pm
Operator : SV106:dv
Sample : CQICV1,32,,1 Lot# 11275
Misc : WG2051155,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 08 18:15:48 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV106\250311ical_SIM\SIML8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	9.577	153	43820	854.309	ng/ml	100
20) 2,4-Dinitrotoluene	9.767	165	8555	810.684	ng/ml	95
21) Fluorene	10.087	166	48841	852.036	ng/ml	100
24) 4,6-Dinitro-o-cresol	10.151	198	4564	800.732	ng/ml	98
25) Hexachlorobenzene	10.630	284	18262	831.368	ng/ml	100
26) Pentachlorophenol	10.819	266	7445	833.797	ng/ml	99
27) Phenanthrene	11.008	178	80273	817.875	ng/ml	100
28) Anthracene	11.061	178	77007	845.279	ng/ml	100
29) Fluoranthene	12.169	202	89109	822.820	ng/ml	100
30) Benzidine	12.319	184	46043	1024.741	ng/mL	100
31) Pyrene	12.375	202	96755	841.933	ng/ml	99
34) Benzo[a]anthracene	13.607	226	25415	827.457	ng/ml	97
35) 3,3'-Dichlorobenzidine	13.615	252	32279	875.630	ng/ml	99
36) Chrysene	13.647	228	93445	831.948	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	13.742	149	35183	803.318	ng/ml	100
39) Benzo[b]fluoranthene	14.710	252	86958	843.438	ng/ml	100
40) Benzo[k]fluoranthene	14.734	252	88124	989.526	ng/ml	100
41) Benzo[a]pyrene	15.021	252	80058	958.125	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	16.044	276	80701M6	863.626	ng/ml	
43) Dibenzo[a,h]anthracene	16.067	278	82245M6	966.889	ng/ml	
44) Benzo[g,h,i]perylene	16.281	276	81271	858.604	ng/ml	100

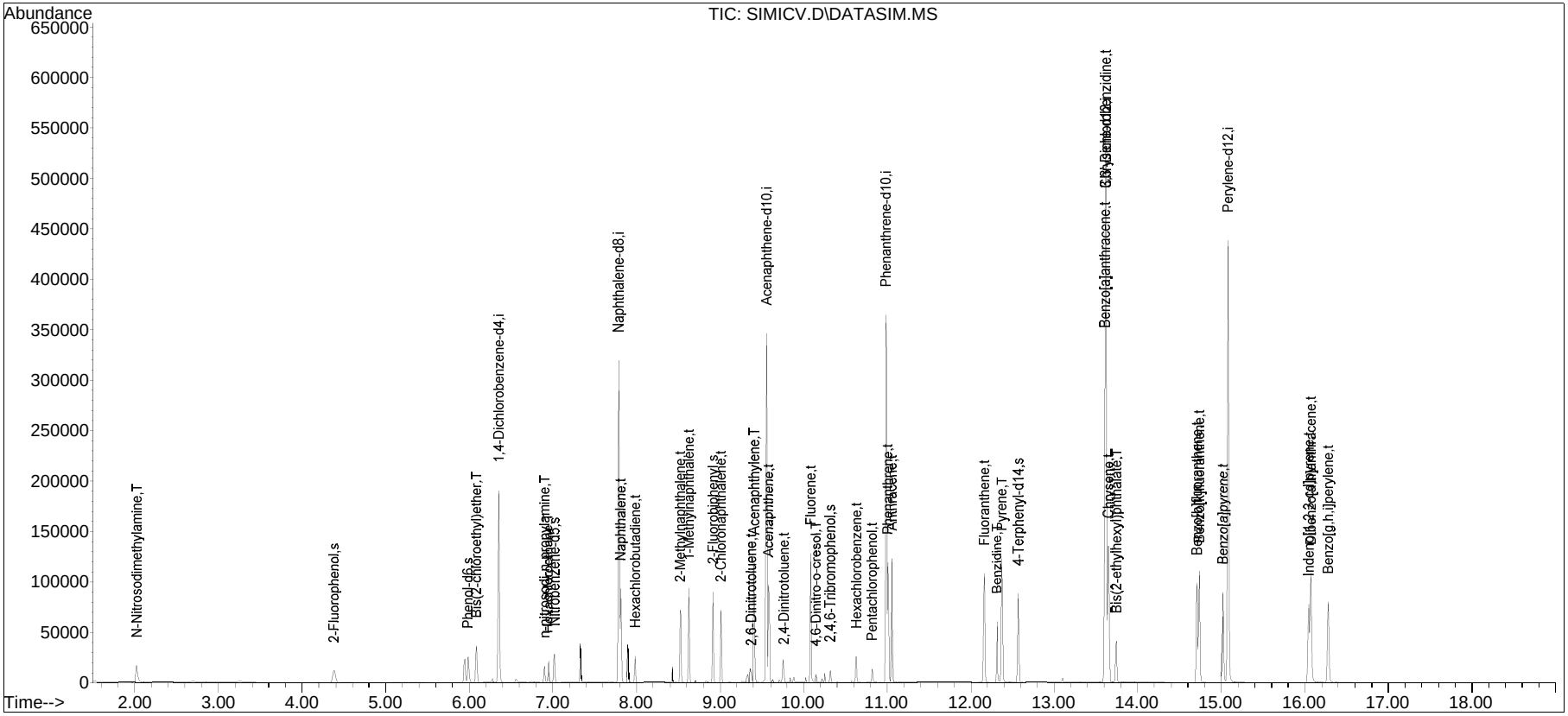
(#) = qualifier out of range (m) = manual integration (+) = signals summed

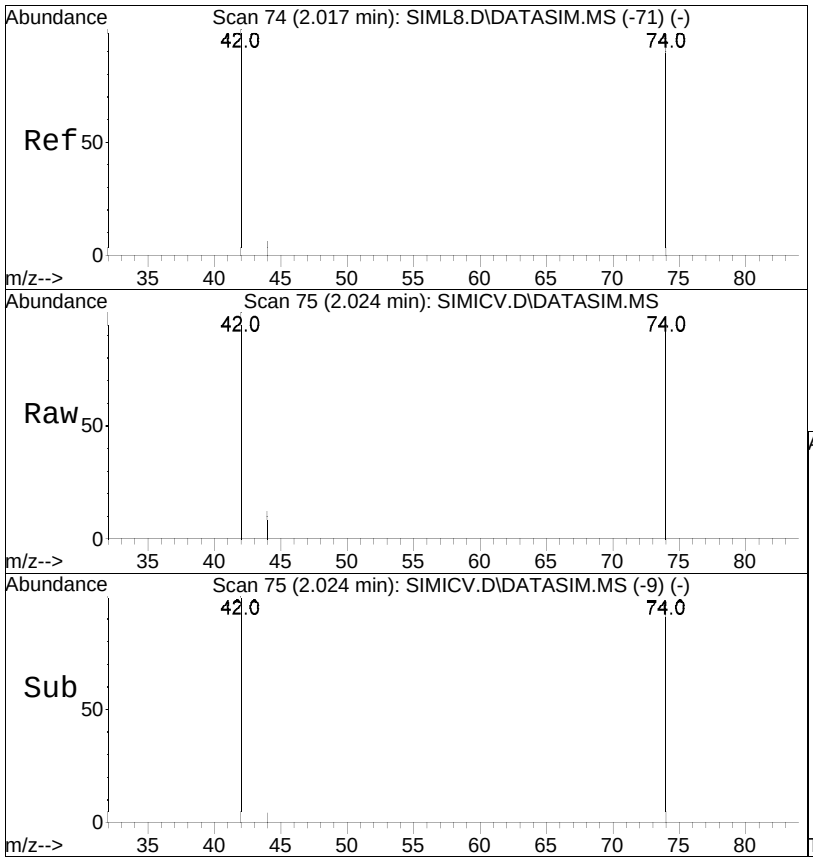
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250311ical_SIM\
Data File : SIMICV.D
Acq On : 11 Mar 2025 10:42 pm
Operator : SV106:dv
Sample : CQICV1,32,,1 Lot# 11275
Misc : WG2051155,,ical
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 08 18:15:48 2025
Quant Method : I:\8270\SV106\250311ical_SIM\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Tue Apr 08 18:16:28 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedIM\SIML8.D•

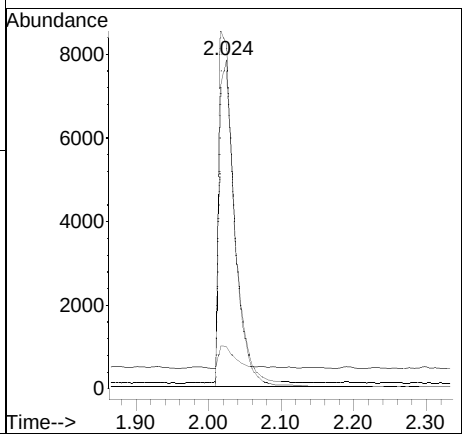


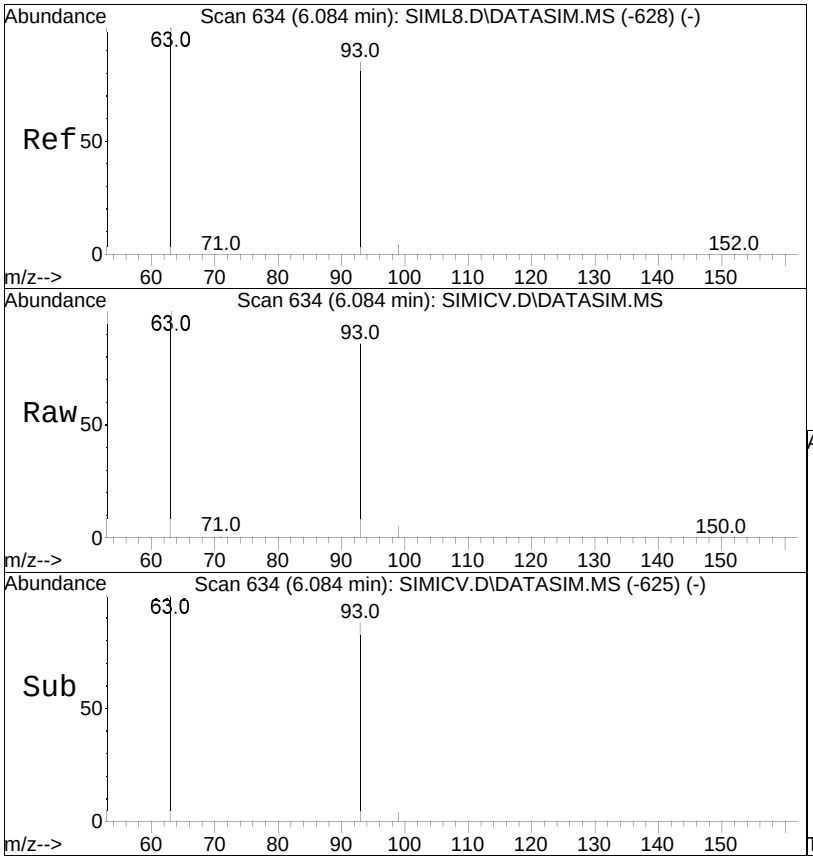


#2
N-Nitrosodimethylamine
Concen: 959.14 ng/mL
RT: 2.024 min Scan# 75
Delta R.T. -0.029 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion: 74 Resp: 11432

Ion	Ratio	Lower	Upper
74	100		
42	106.6	86.5	129.7
44	7.1	5.9	8.9

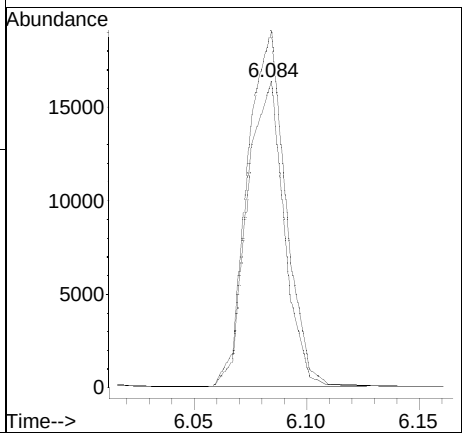


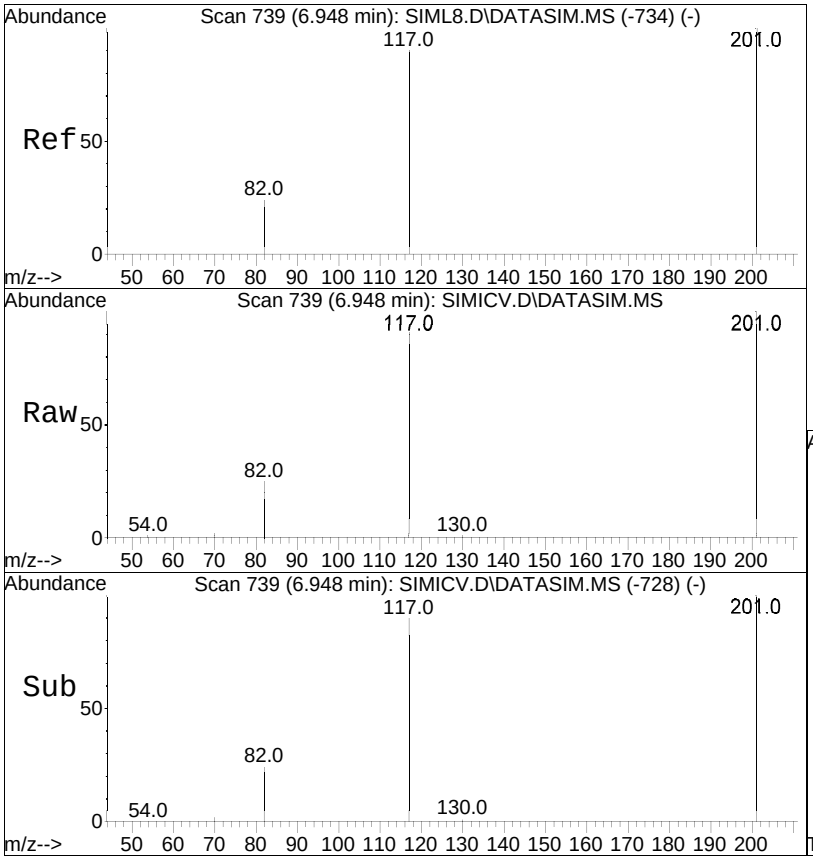


#5
Bis(2-chloroethyl)ether
Concen: 892.95 ng/ml
RT: 6.084 min Scan# 634
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion: 93 Resp: 18274

Ion	Ratio	Lower	Upper
93	100		
63	121.1	95.9	143.9

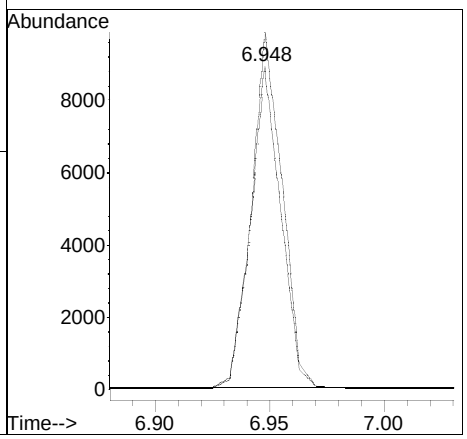


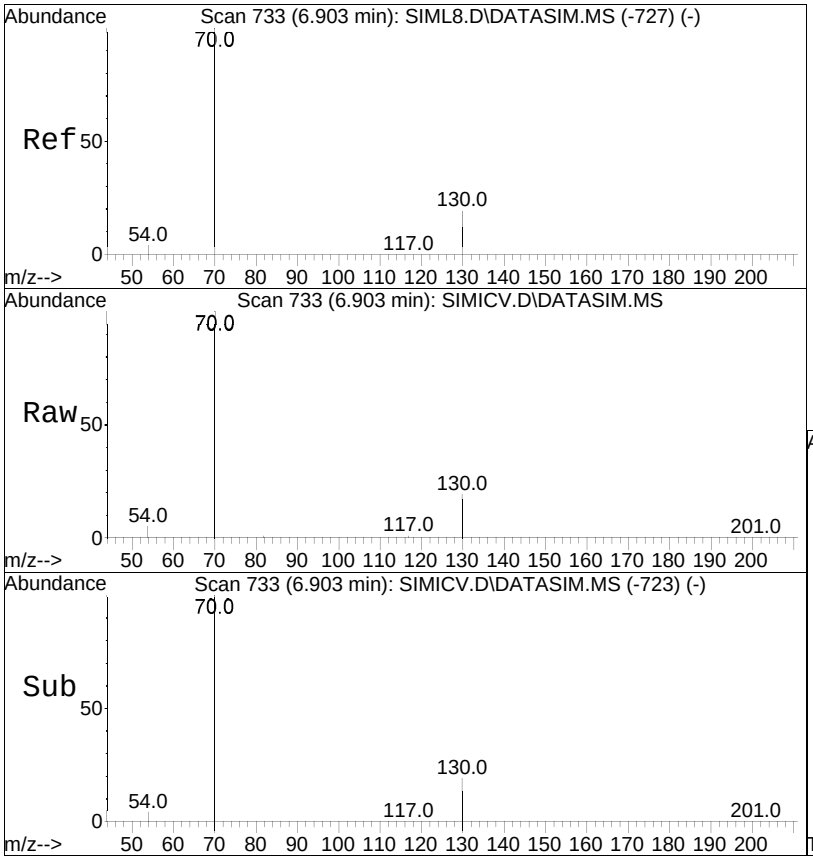


#6
Hexachloroethane
Concen: 841.88 ng/ml
RT: 6.948 min Scan# 739
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:117 Resp: 8020

Ion	Ratio	Lower	Upper
117	100		
201	112.0	90.8	136.2

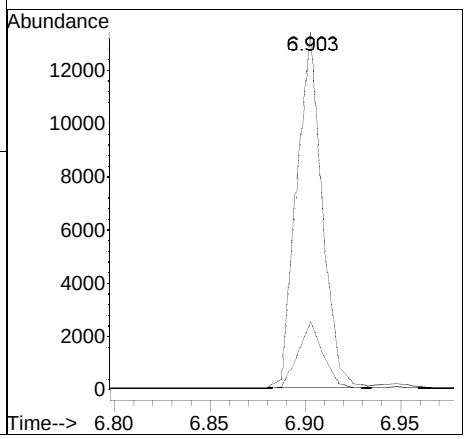


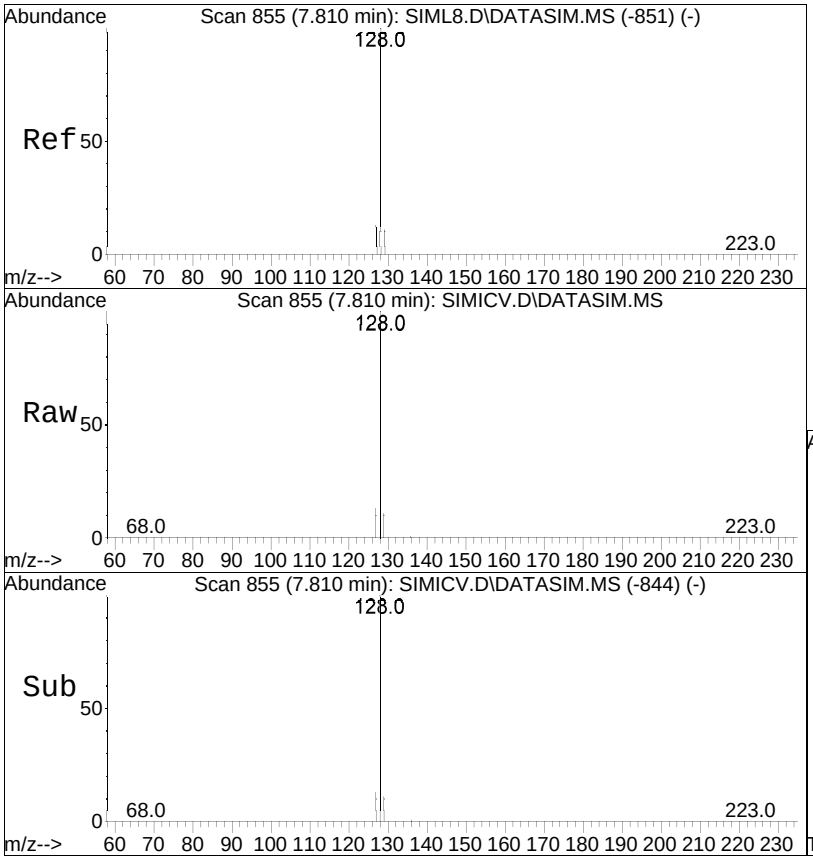


#7
n-nitrosodi-n-propylamine
Concen: 850.80 ng/ml
RT: 6.903 min Scan# 733
Delta R.T. -0.007 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion: 70 Resp: 12248

Ion	Ratio	Lower	Upper
70	100		
130	18.4	15.2	22.8

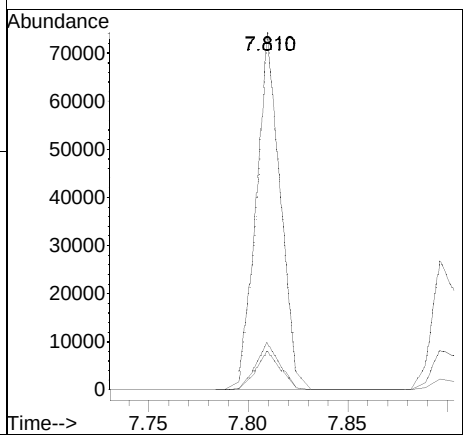


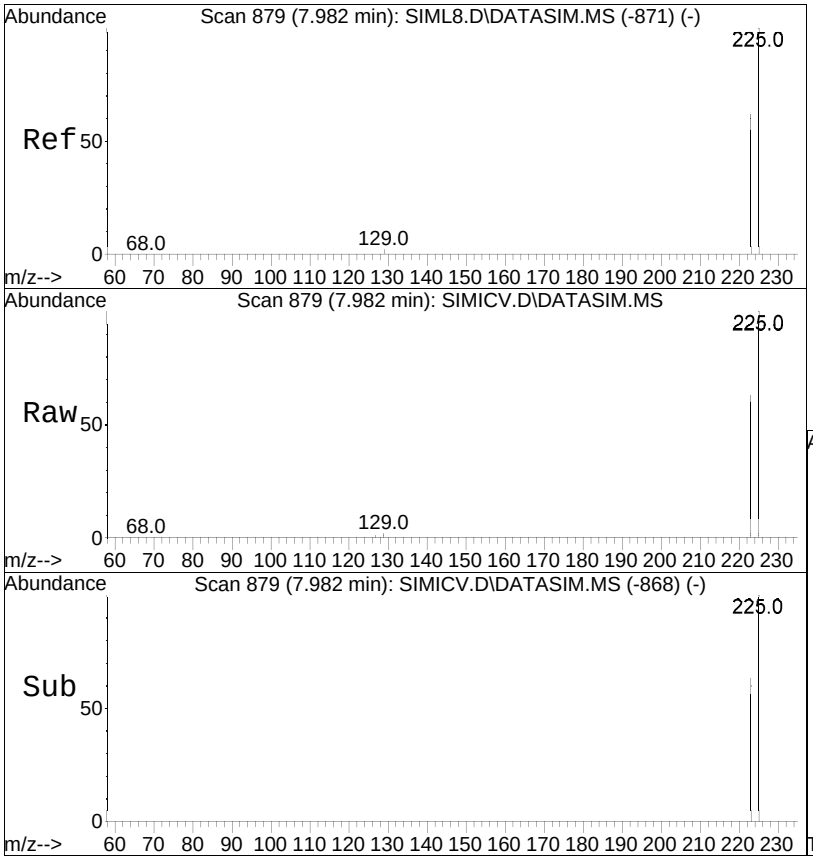


#10
Naphthalene
Concen: 876.37 ng/ml
RT: 7.810 min Scan# 855
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:128 Resp: 61855

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.6	16.0

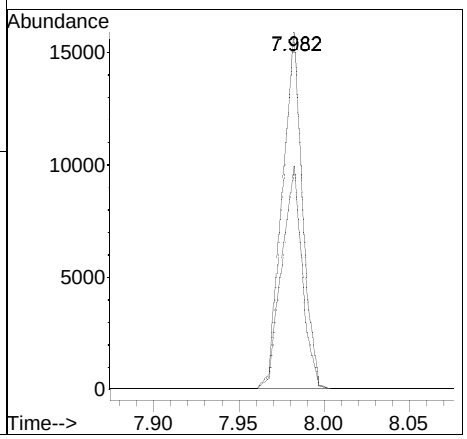


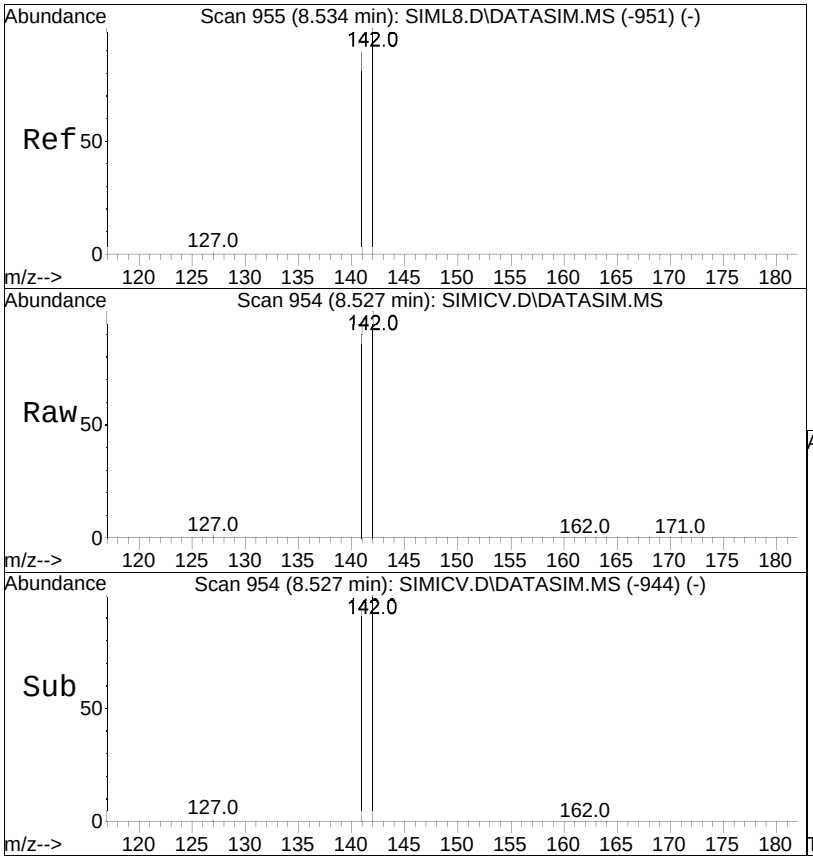


#11
Hexachlorobutadiene
Concen: 846.00 ng/ml
RT: 7.982 min Scan# 879
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:225 Resp: 12709

Ion	Ratio	Lower	Upper
225	100		
223	63.5	50.0	75.0

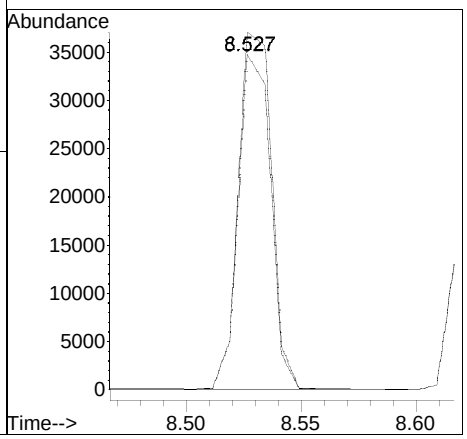


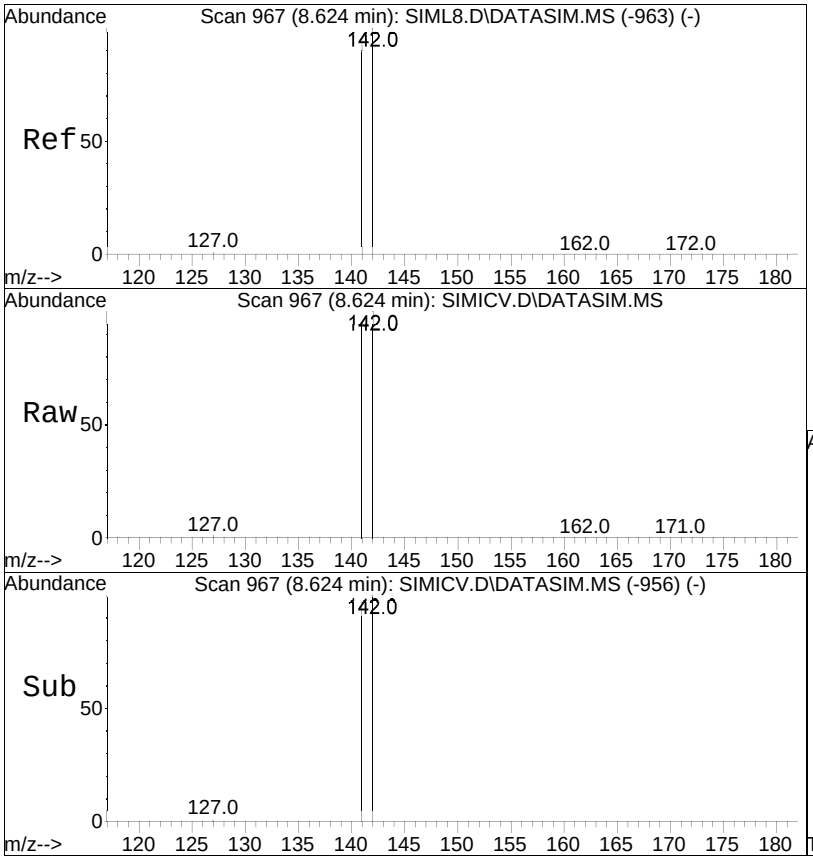


#12
2-Methylnaphthalene
Concen: 883.68 ng/ml
RT: 8.527 min Scan# 954
Delta R.T. -0.007 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:142 Resp: 37005

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.6	110.4

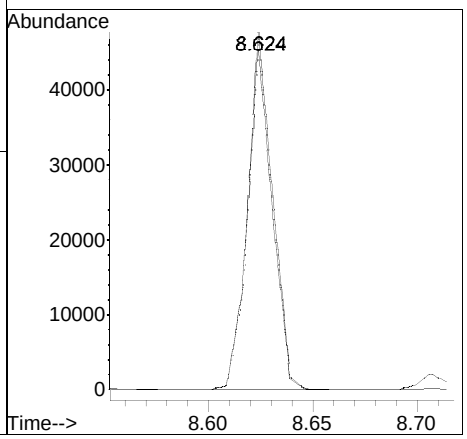


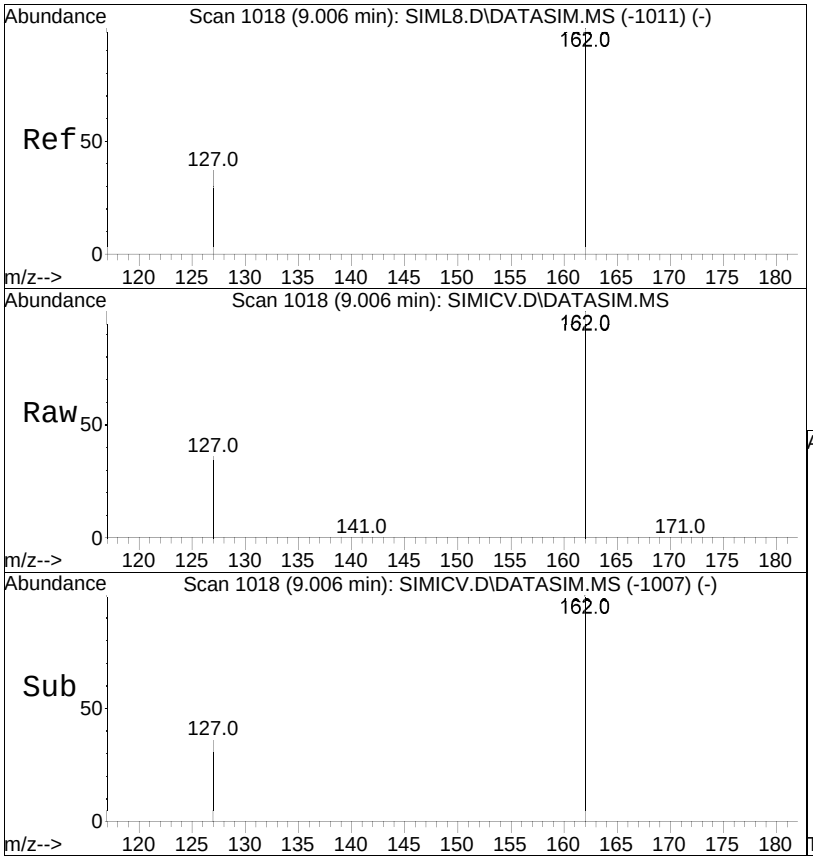


#13
1-Methylnaphthalene
Concen: 888.91 ng/ml
RT: 8.624 min Scan# 967
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:142 Resp: 38703

Ion	Ratio	Lower	Upper
142	100		
141	94.8	75.8	113.8

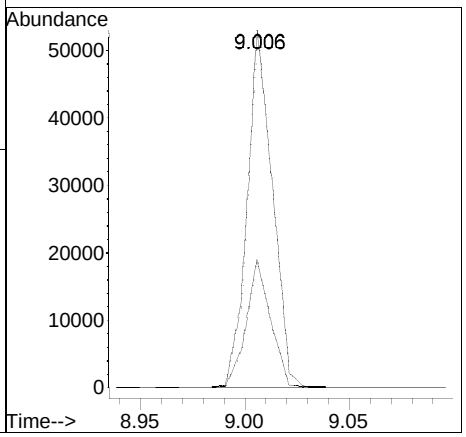


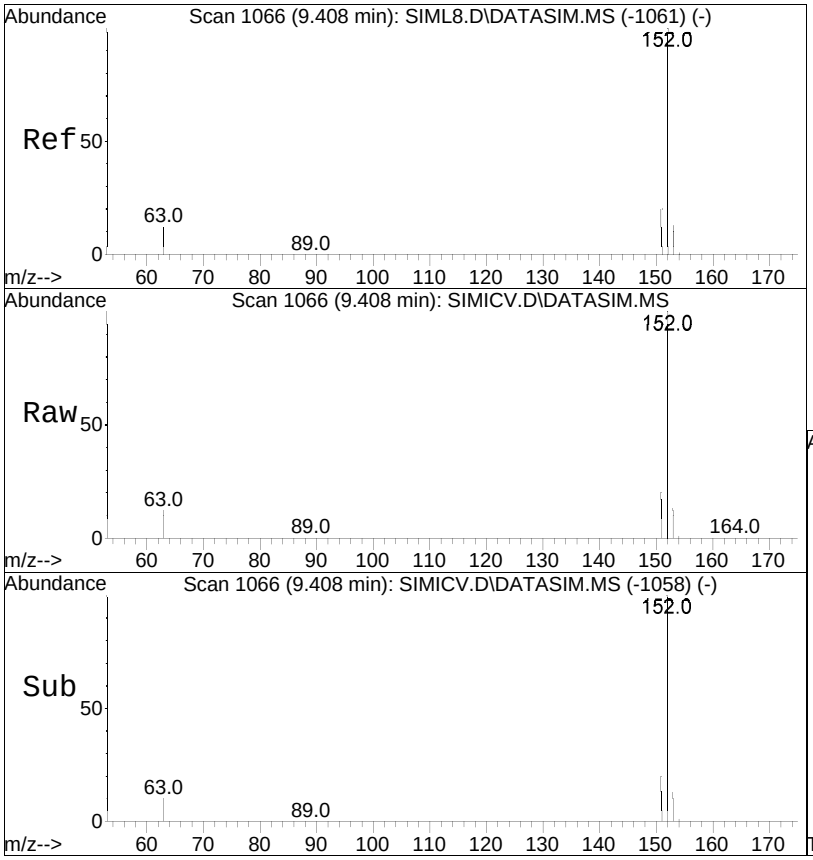


#15
2-Chloronaphthalene
Concen: 875.50 ng/ml
RT: 9.006 min Scan# 1018
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:162 Resp: 43665

Ion	Ratio	Lower	Upper
162	100		
127	34.8	27.7	41.5

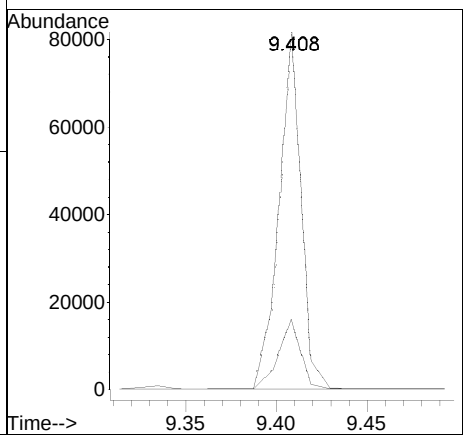


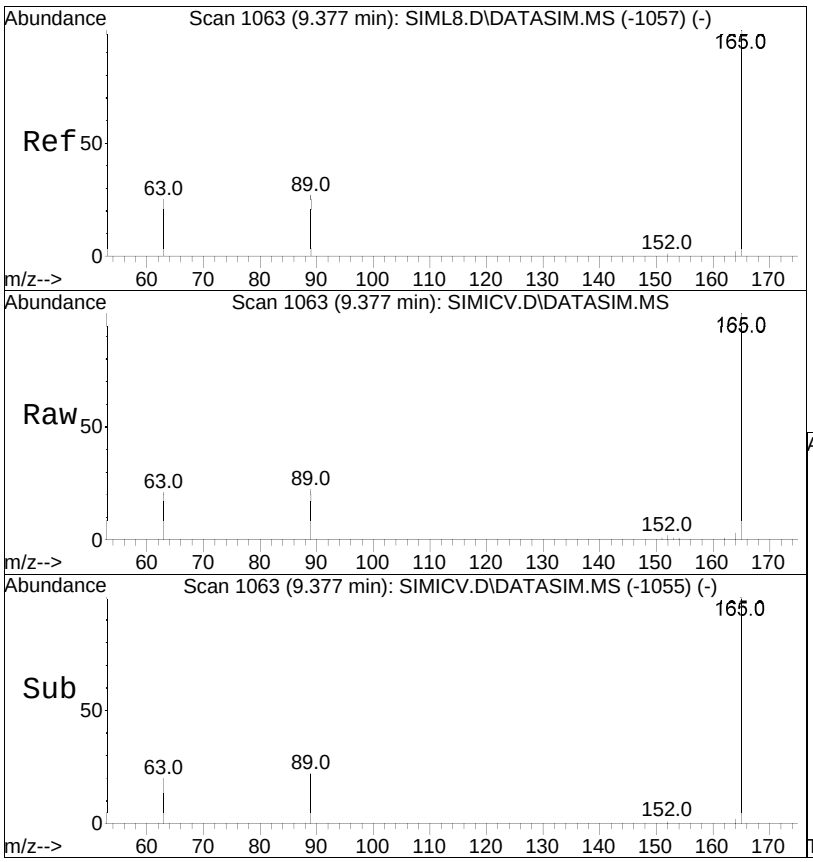


#16
Acenaphthylene
Concen: 906.79 ng/ml
RT: 9.408 min Scan# 1066
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:152 Resp: 67784

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

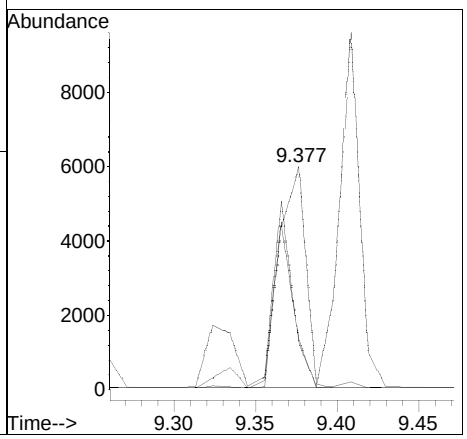


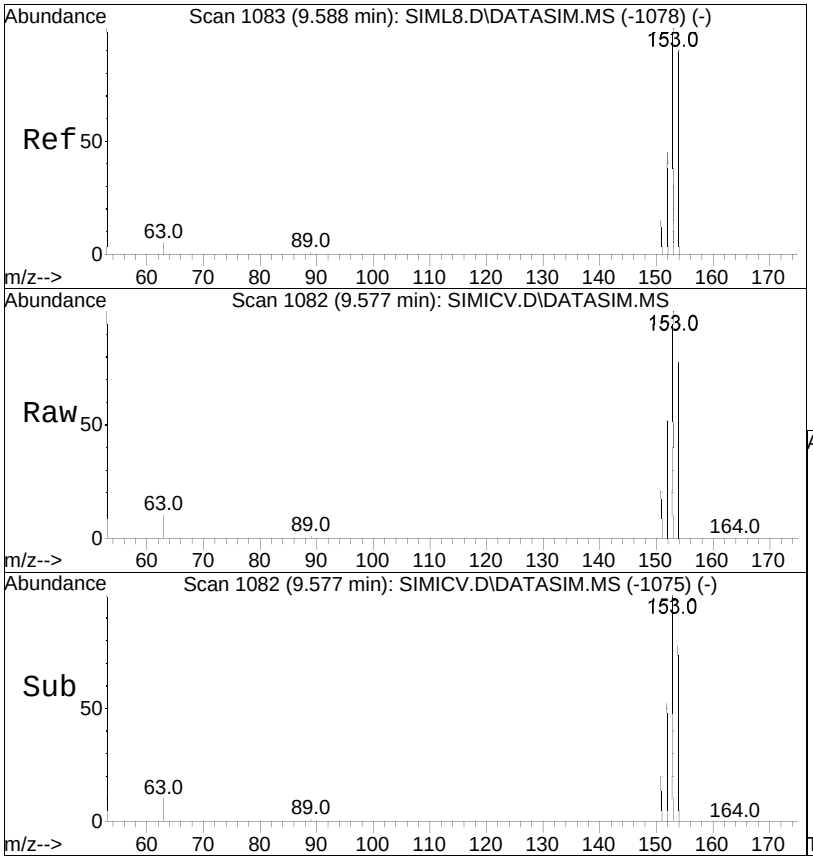


#17
2,6-Dinitrotoluene
Concen: 809.79 ng/ml
RT: 9.377 min Scan# 1063
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:165 Resp: 7069

Ion	Ratio	Lower	Upper
165	100		
89	54.3	40.8	61.2
63	56.4	42.6	63.8

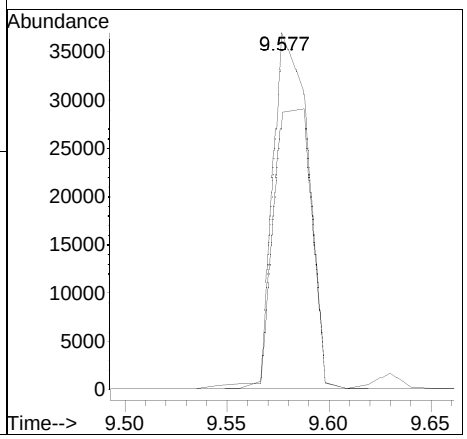


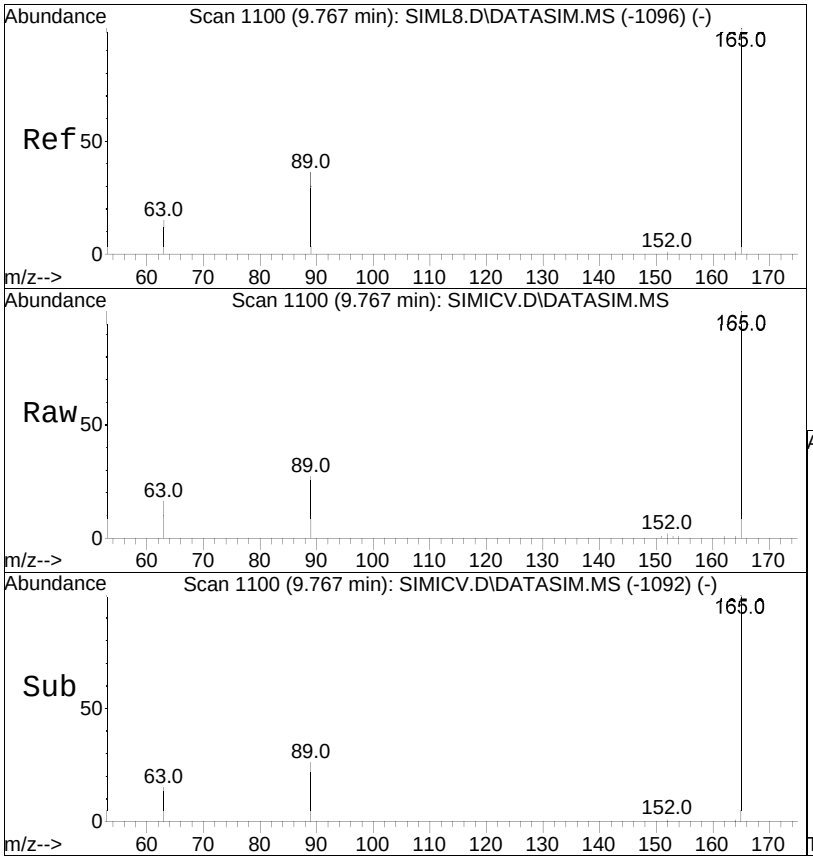


#19
Acenaphthene
Concen: 854.31 ng/ml
RT: 9.577 min Scan# 1082
Delta R.T. -0.011 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:153 Resp: 43820

Ion	Ratio	Lower	Upper
153	100		
154	86.2	69.2	103.8

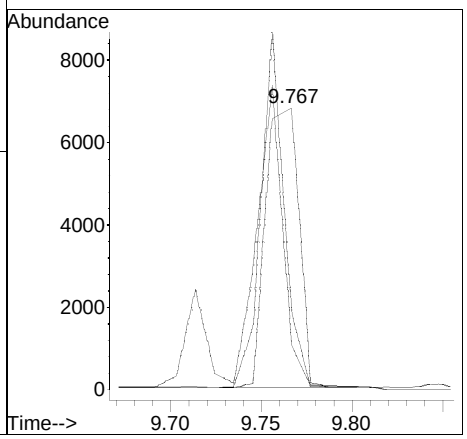


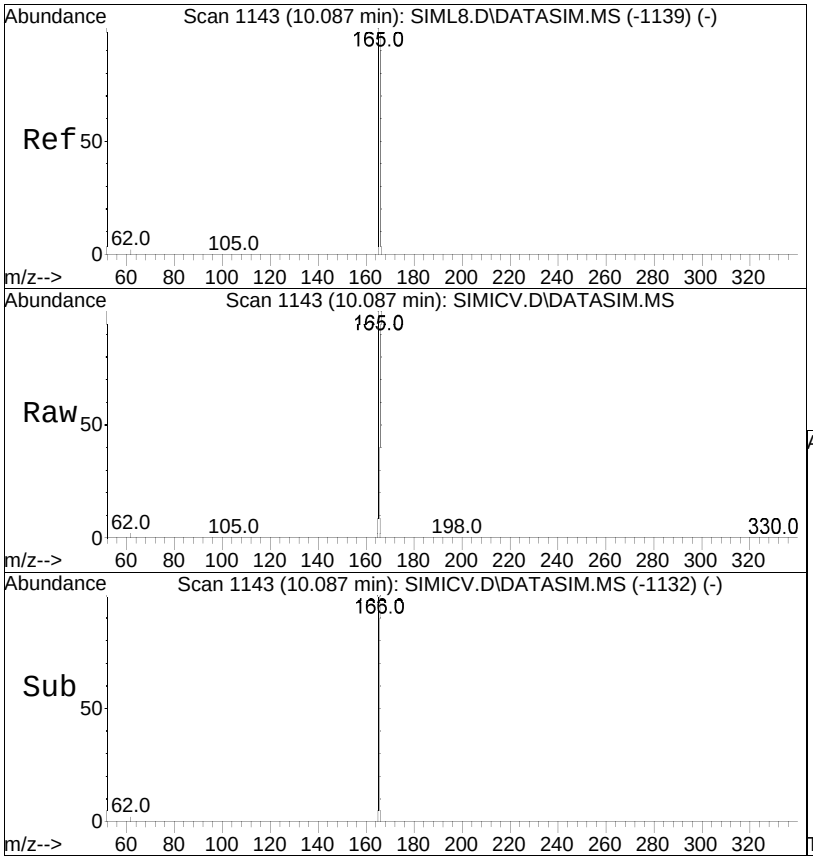


#20
2,4-Dinitrotoluene
Concen: 810.68 ng/ml
RT: 9.767 min Scan# 1100
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:165 Resp: 8555

Ion	Ratio	Lower	Upper
165	100		
89	91.9	69.8	104.8
63	87.0	65.6	98.4

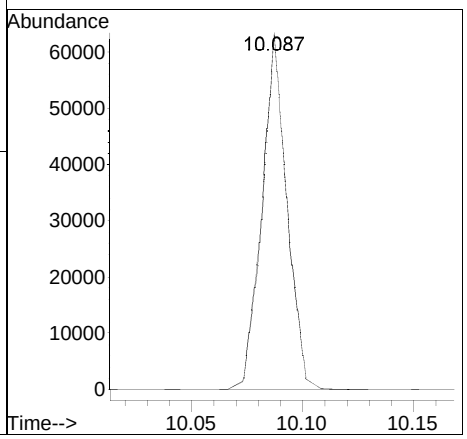


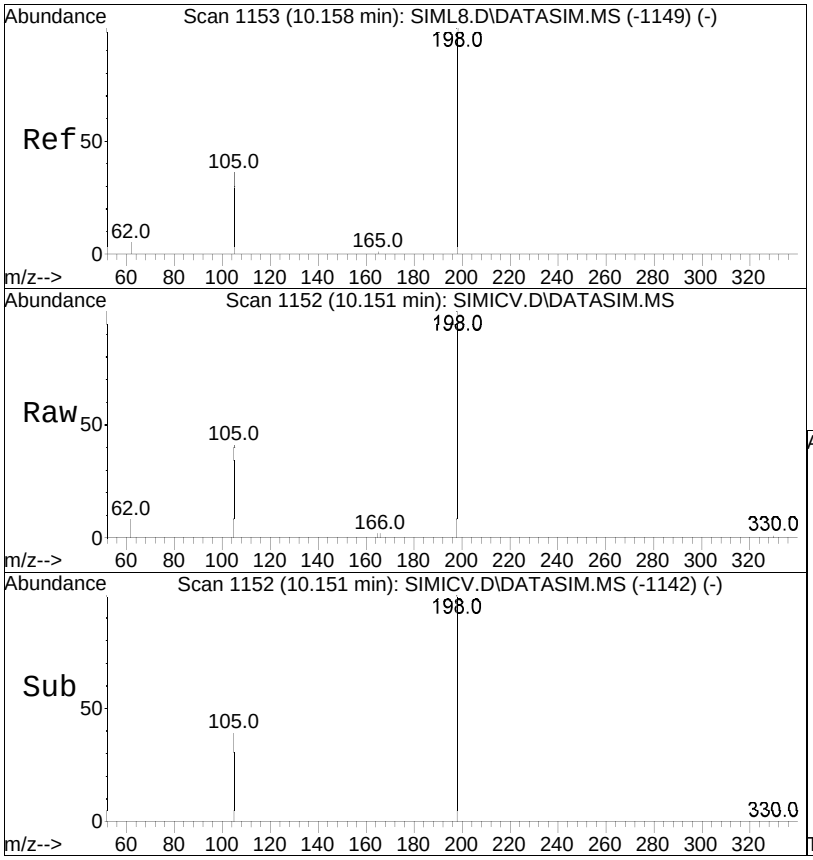


#21
Fluorene
Concen: 852.04 ng/ml
RT: 10.087 min Scan# 1143
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:166 Resp: 48841

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.0	121.4

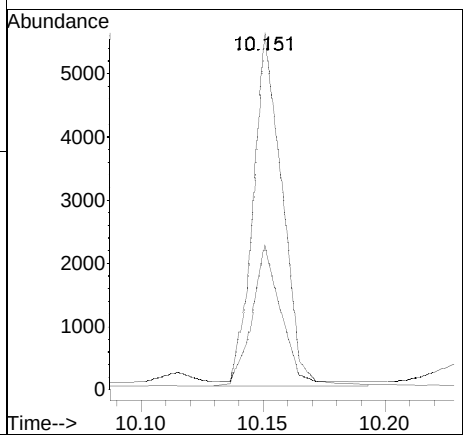


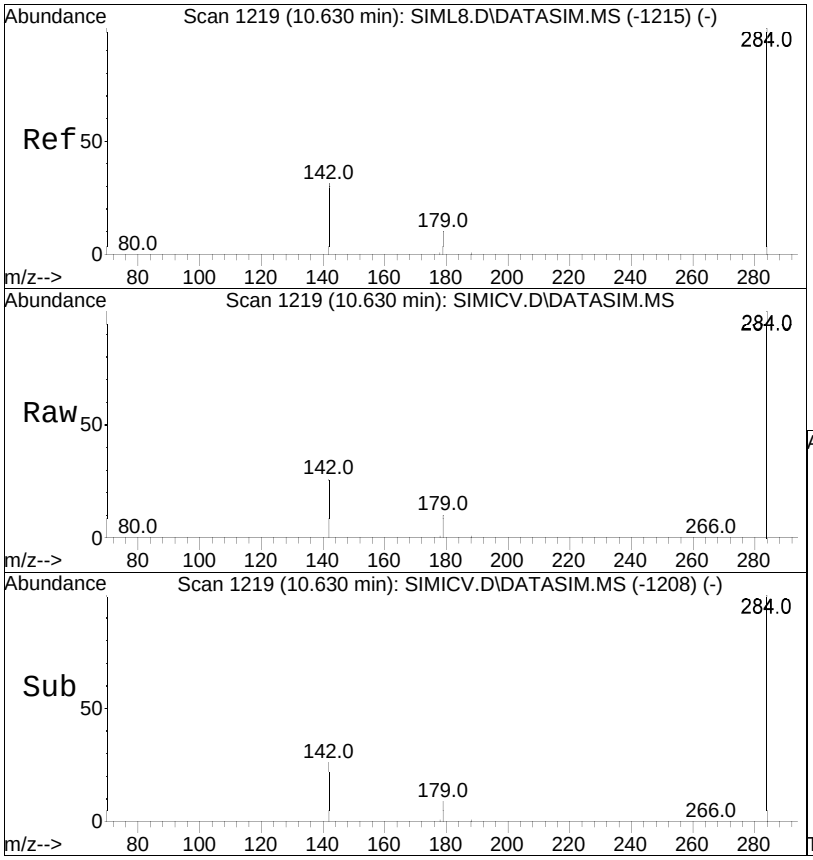


#24
4,6-Dinitro-o-cresol
Concen: 800.73 ng/ml
RT: 10.151 min Scan# 1152
Delta R.T. -0.007 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:198 Resp: 4564

Ion	Ratio	Lower	Upper
198	100		
105	37.5	31.0	46.6

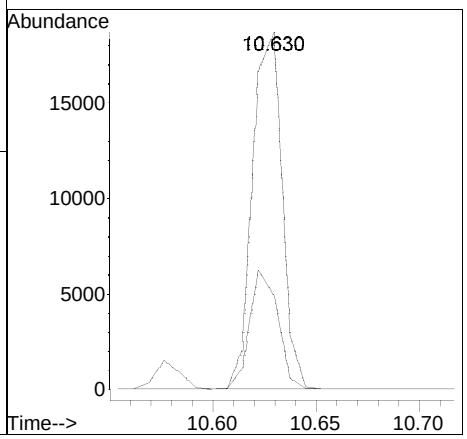


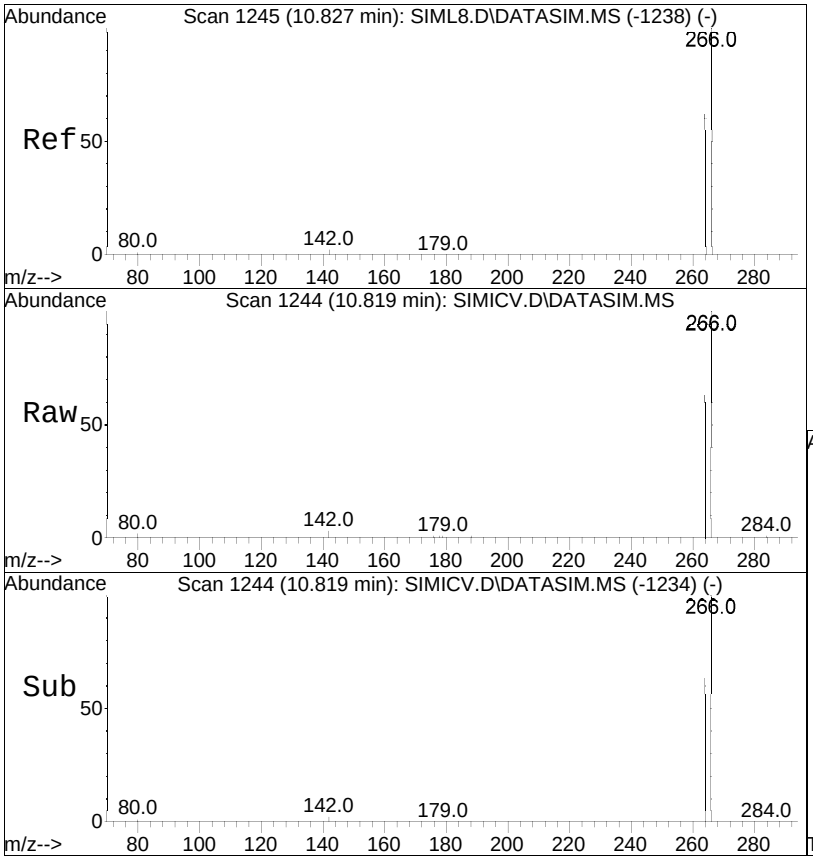


#25
Hexachlorobenzene
Concen: 831.37 ng/ml
RT: 10.630 min Scan# 1219
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:284 Resp: 18262

Ion	Ratio	Lower	Upper
284	100		
142	31.8	25.4	38.2

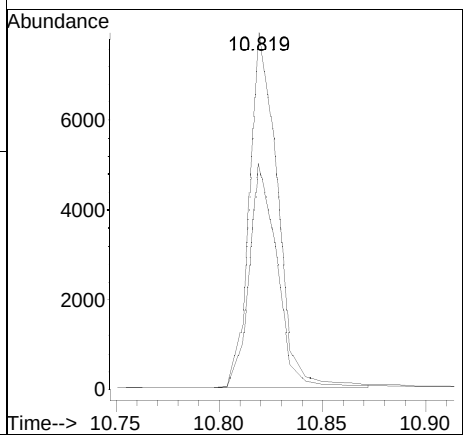


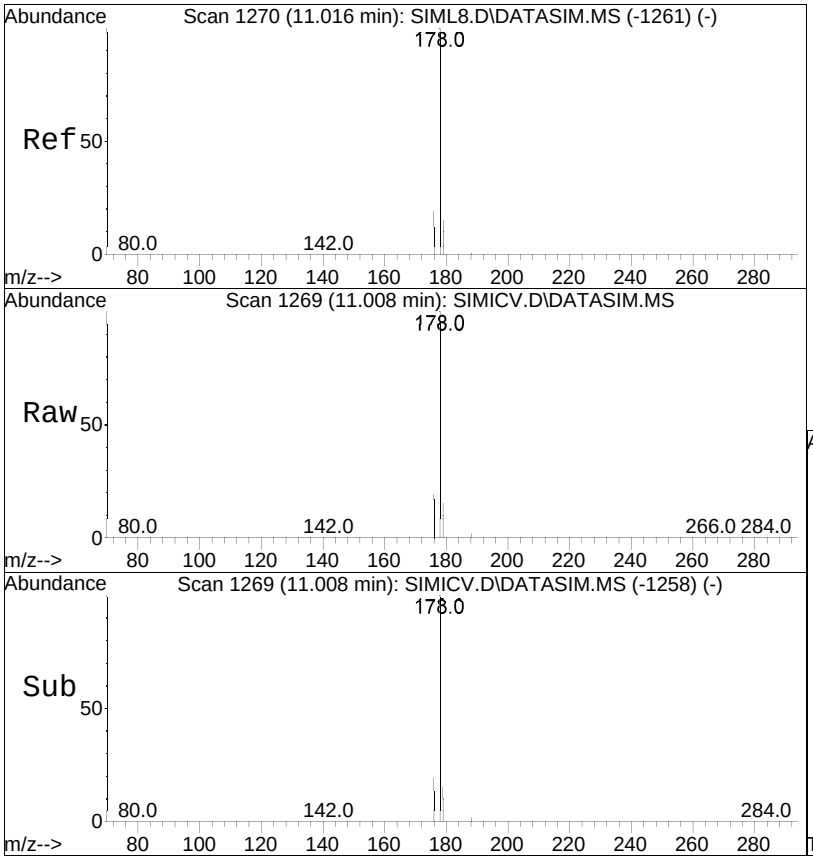


#26
Pentachlorophenol
Concen: 833.80 ng/ml
RT: 10.819 min Scan# 1244
Delta R.T. -0.007 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:266 Resp: 7445

Ion	Ratio	Lower	Upper
266	100		
264	62.1	50.2	75.4

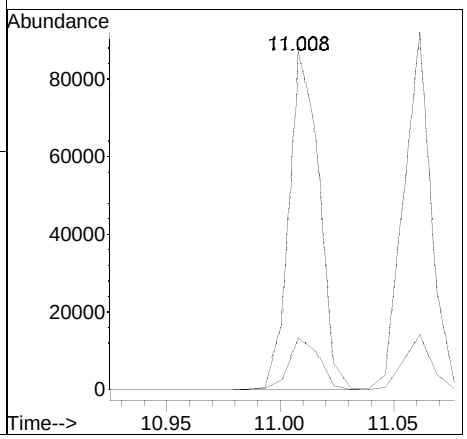


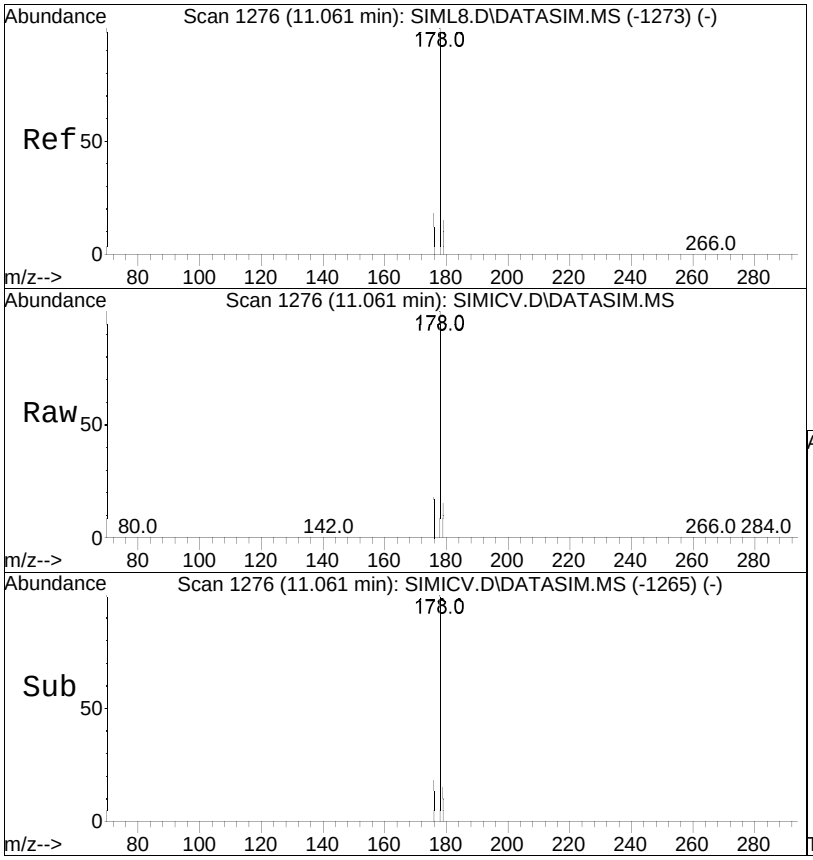


#27
Phenanthrene
Concen: 817.88 ng/ml
RT: 11.008 min Scan# 1269
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:178 Resp: 80273

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5

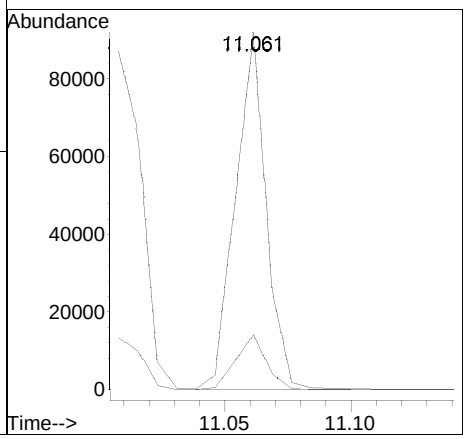


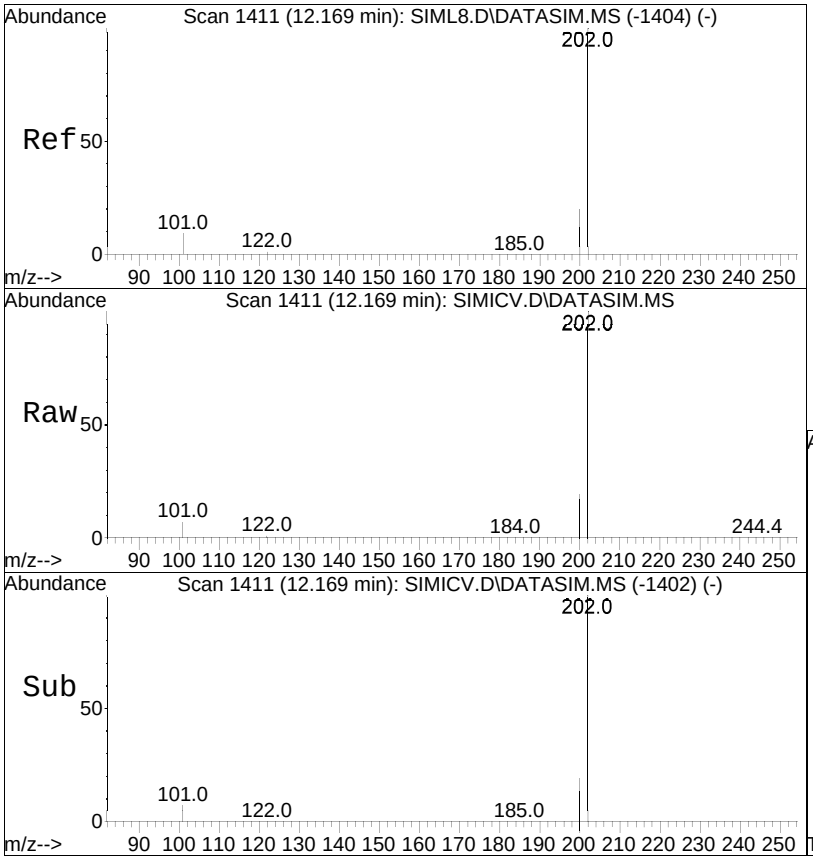


#28
Anthracene
Concen: 845.28 ng/ml
RT: 11.061 min Scan# 1276
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:178 Resp: 77007

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4

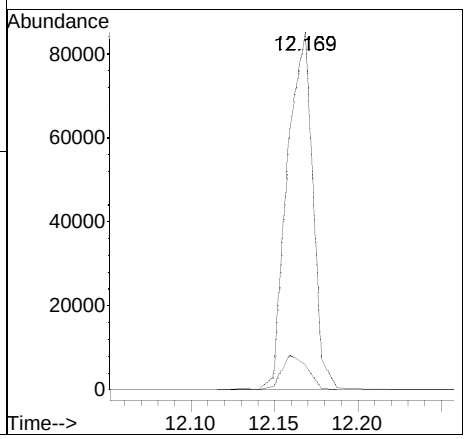


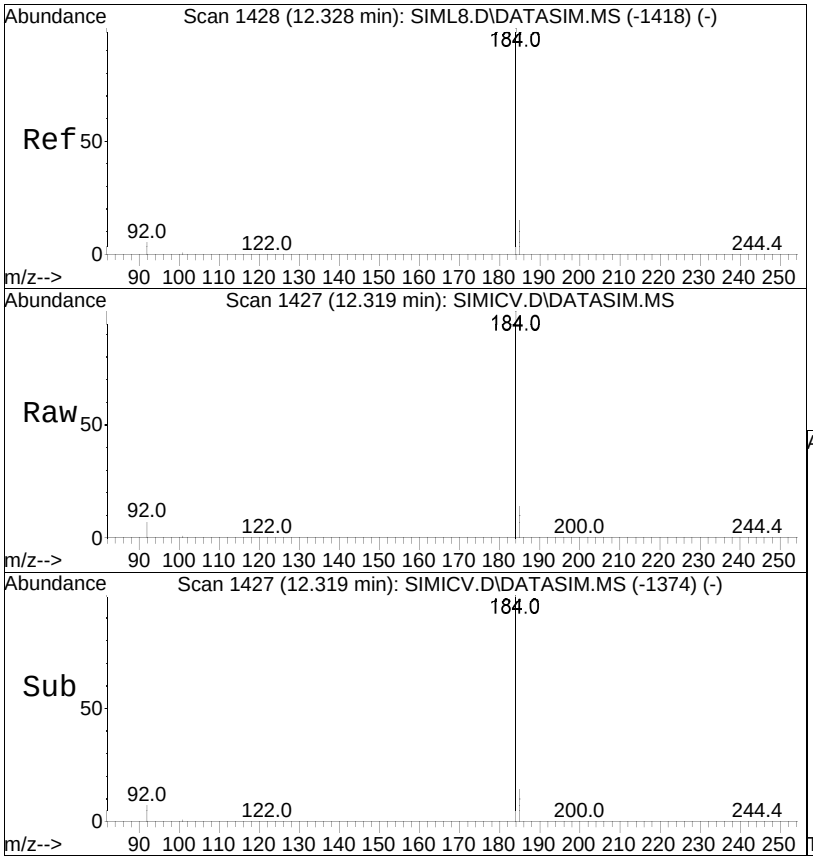


#29
Fluoranthene
Concen: 822.82 ng/ml
RT: 12.169 min Scan# 1411
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:202 Resp: 89109

Ion	Ratio	Lower	Upper
202	100		
101	9.8	7.7	11.5

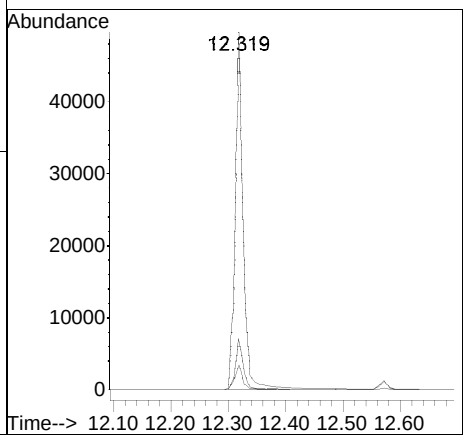


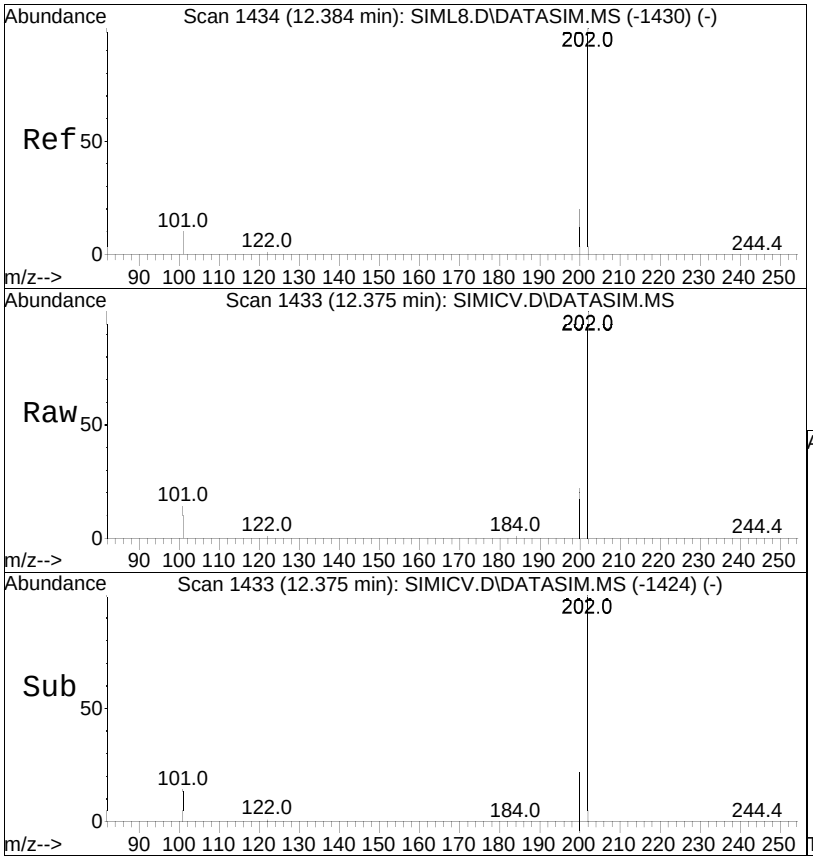


#30
Benzidine
Concen: 1024.74 ng/mL
RT: 12.319 min Scan# 1427
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:184 Resp: 46043

Ion	Ratio	Lower	Upper
184	100		
92	6.9	5.4	8.0
185	14.5	11.4	17.2

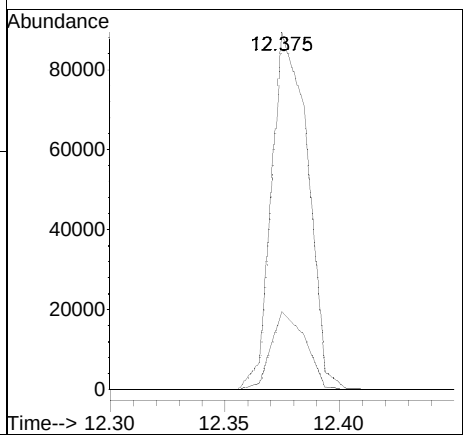


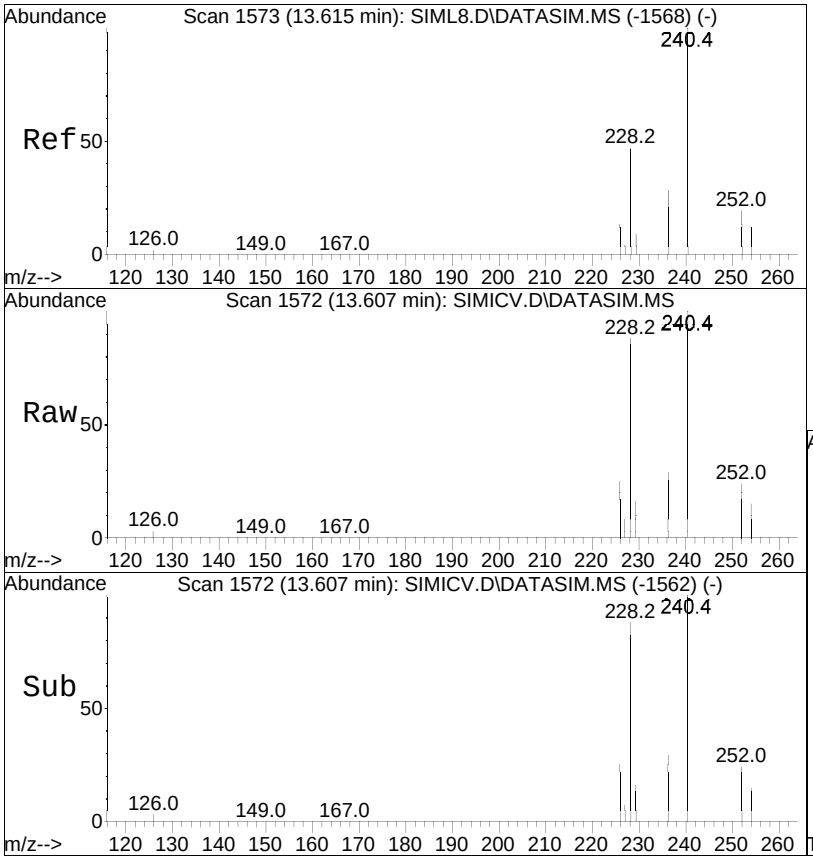


#31
Pyrene
Concen: 841.93 ng/ml
RT: 12.375 min Scan# 1433
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:202 Resp: 96755

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.5	24.7

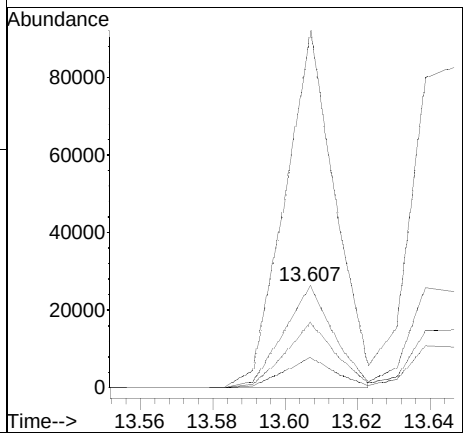


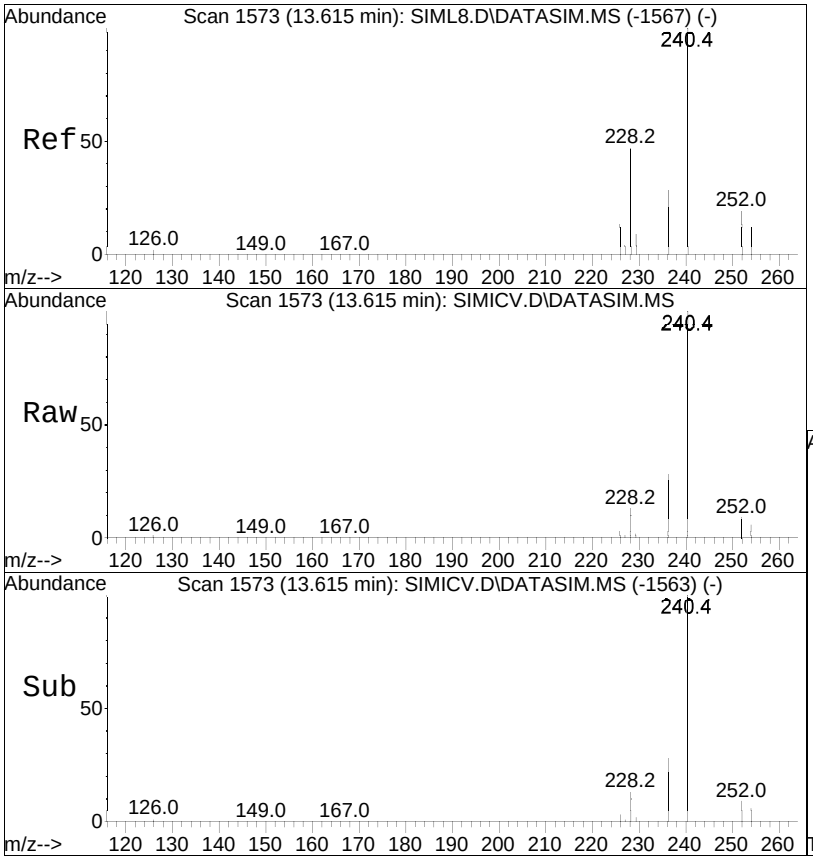


#34
Benzo[a]anthracene
Concen: 827.46 ng/ml
RT: 13.607 min Scan# 1572
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:226 Resp: 25415

Ion	Ratio	Lower	Upper
226	100		
227	30.0	24.1	36.1
228	350.6	275.7	413.5
229	64.1	50.1	75.1

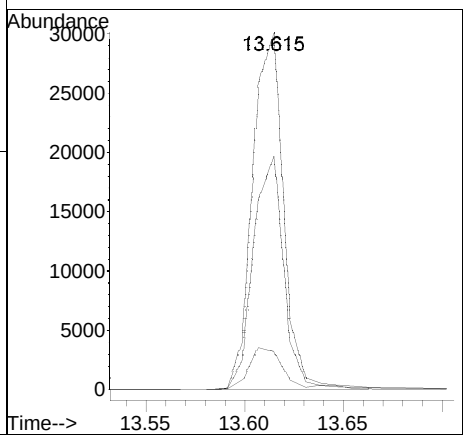


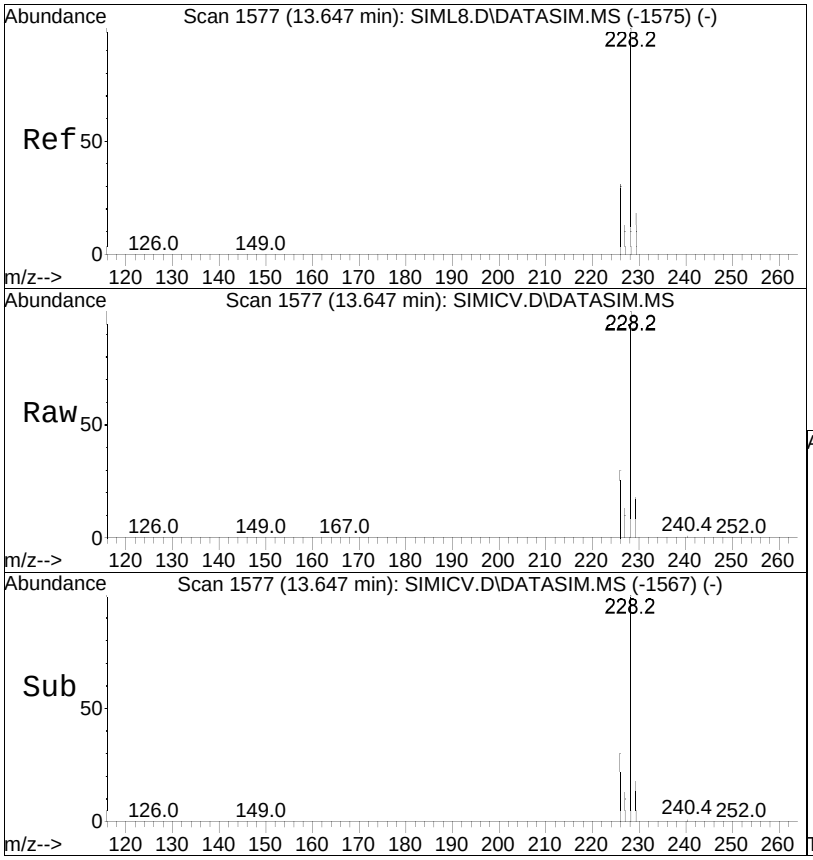


#35
3,3'-Dichlorobenzidine
Concen: 875.63 ng/ml
RT: 13.615 min Scan# 1573
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:252 Resp: 32279

Ion	Ratio	Lower	Upper
252	100		
126	13.5	10.6	15.8
254	64.3	52.2	78.2

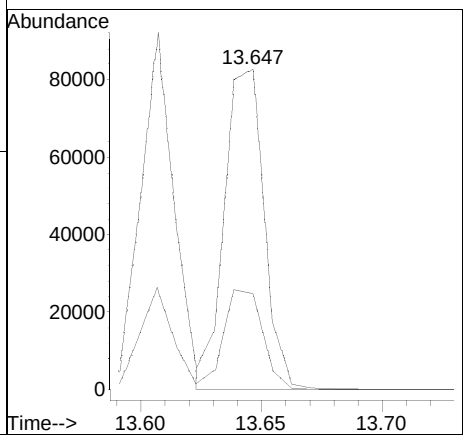


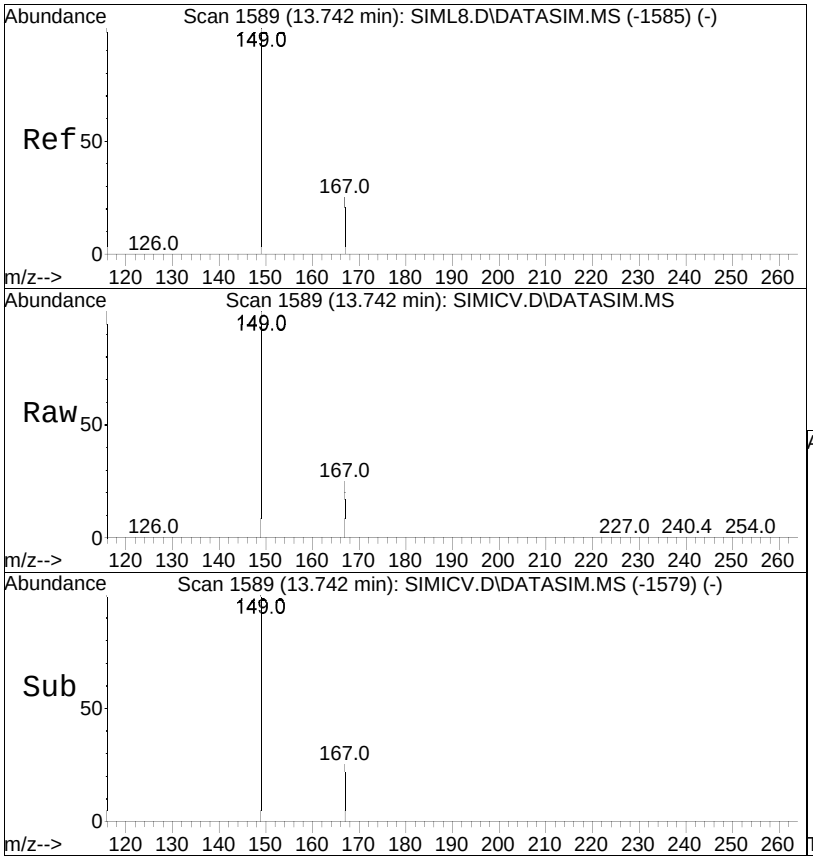


#36
Chrysene
Concen: 831.95 ng/ml
RT: 13.647 min Scan# 1577
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:228 Resp: 93445

Ion	Ratio	Lower	Upper
228	100		
226	30.9	24.9	37.3

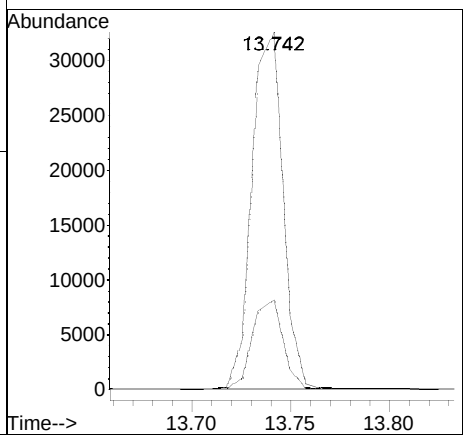


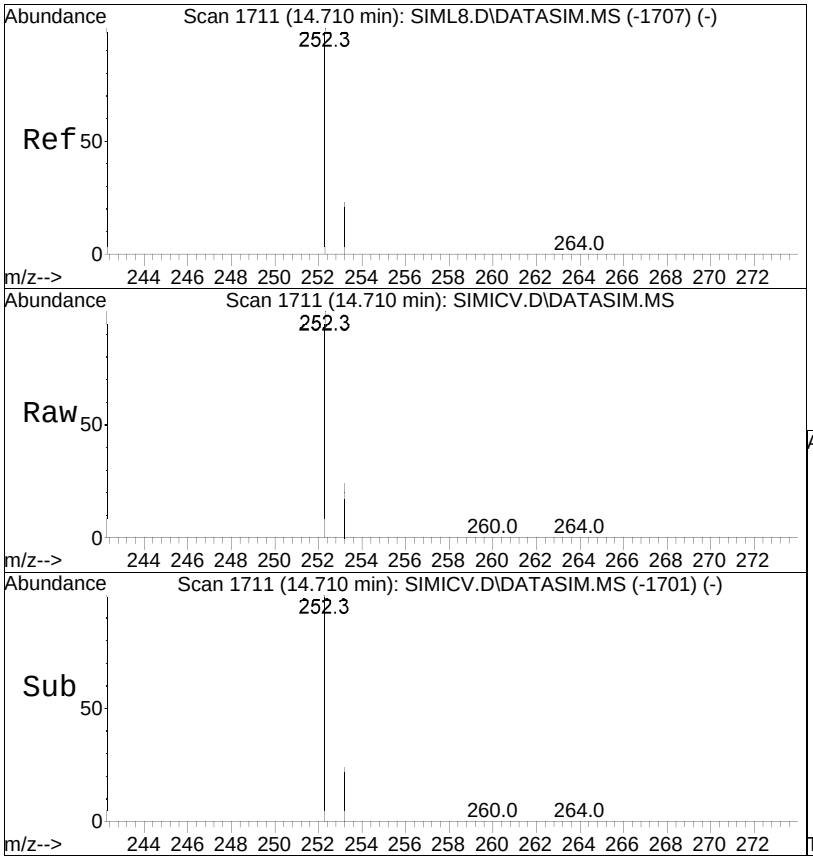


#37
Bis(2-ethylhexyl)phthalate
Concen: 803.32 ng/ml
RT: 13.742 min Scan# 1589
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:149 Resp: 35183

Ion	Ratio	Lower	Upper
149	100		
167	24.7	19.9	29.9

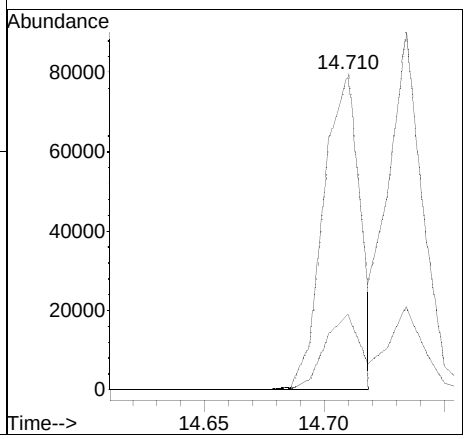


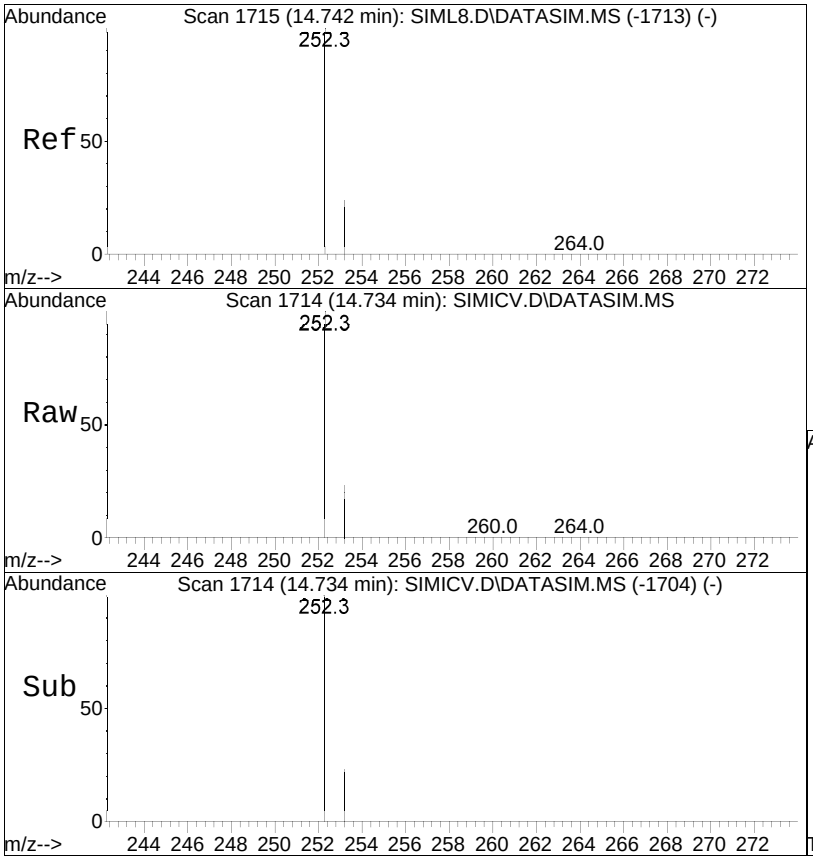


#39
Benzo[b]fluoranthene
Concen: 843.44 ng/ml
RT: 14.710 min Scan# 1711
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:252 Resp: 86958

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8

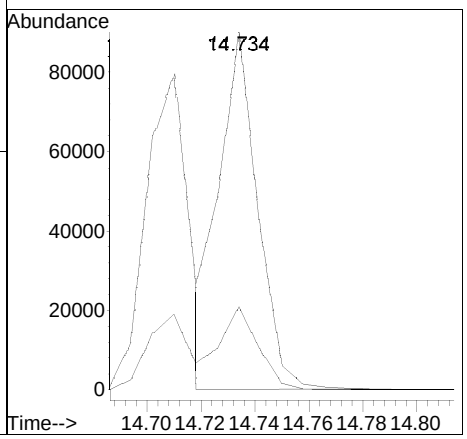


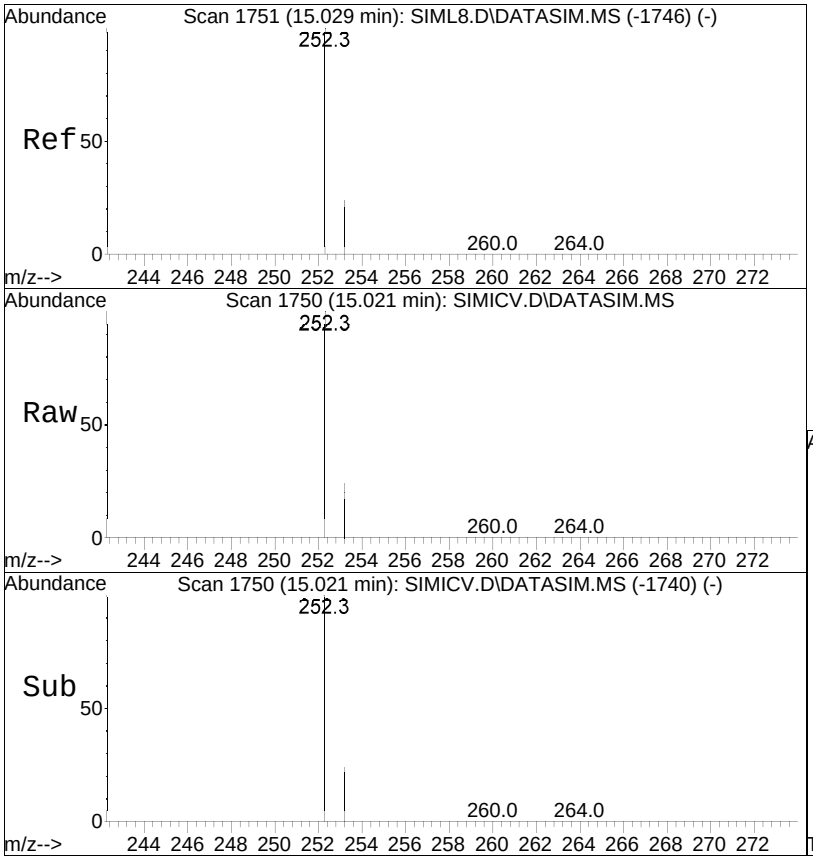


#40
Benzo[k]fluoranthene
Concen: 989.53 ng/ml
RT: 14.734 min Scan# 1714
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:252 Resp: 88124

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.7	28.1

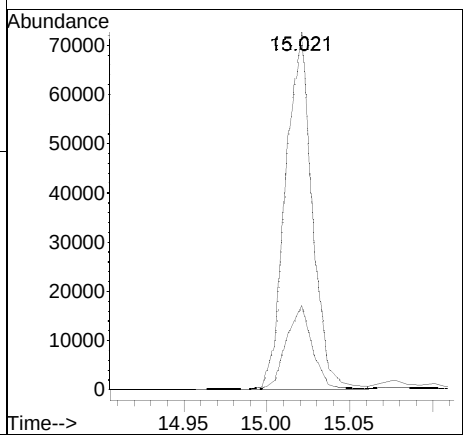


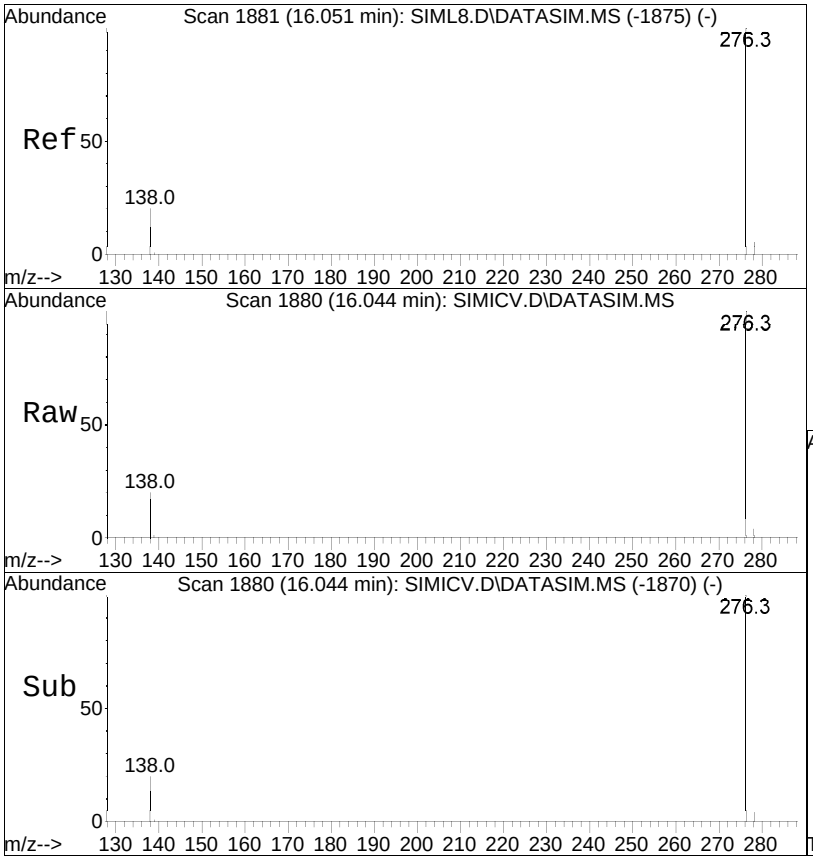


#41
Benzo[a]pyrene
Concen: 958.13 ng/ml
RT: 15.021 min Scan# 1750
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:252 Resp: 80058

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8

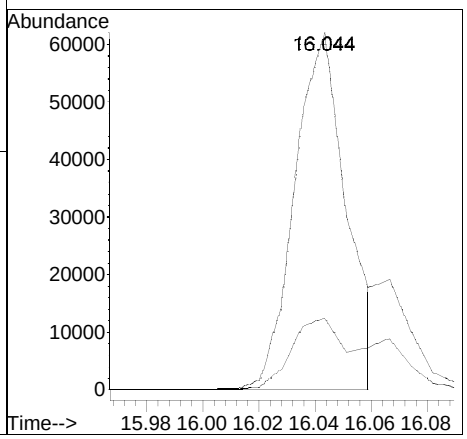


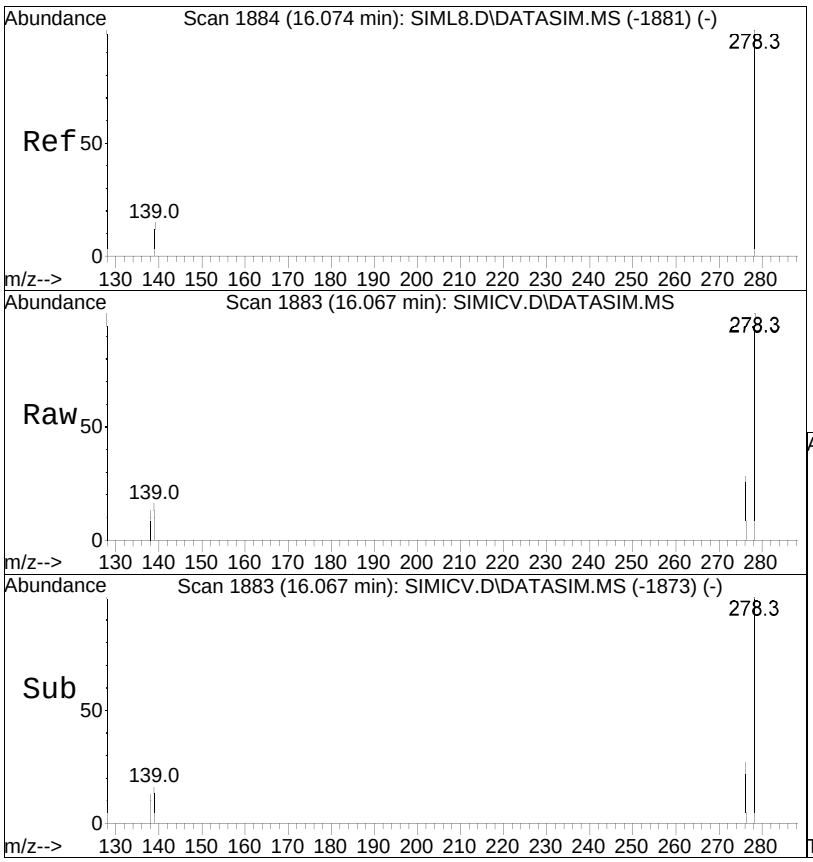


#42
Indeno[1,2,3-cd]pyrene
Concen: 863.63 ng/ml M6
RT: 16.044 min Scan# 1880
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:276 Resp: 80701

Ion	Ratio	Lower	Upper
276	100		
138	31.9	15.8	23.8#

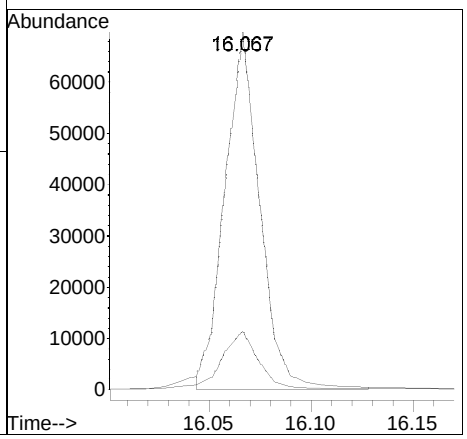


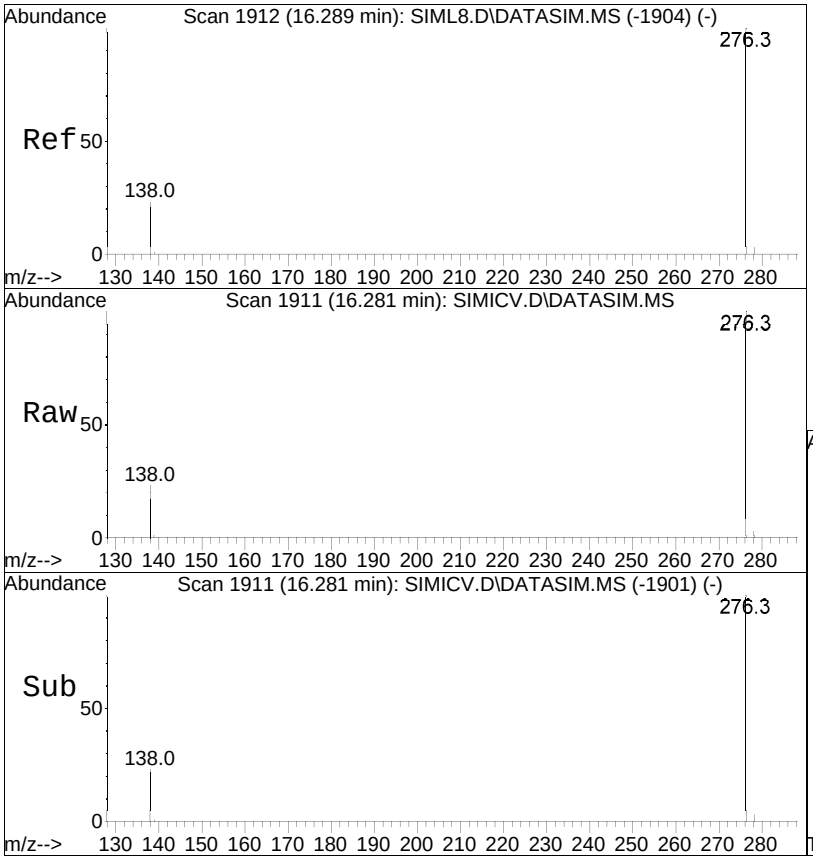


#43
Dibenzo[a,h]anthracene
Concen: 966.89 ng/ml M6
RT: 16.067 min Scan# 1883
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:278 Resp: 82245

Ion	Ratio	Lower	Upper
278	100		
139	17.2	12.1	18.1

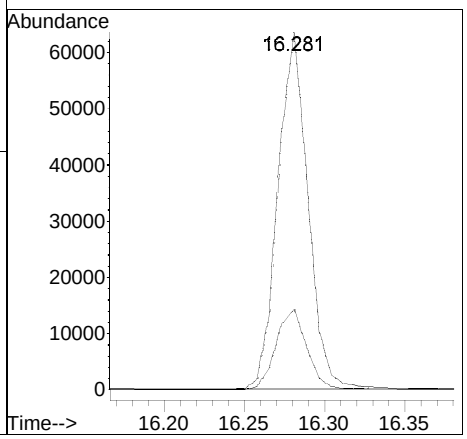




#44
Benzo[g,h,i]perylene
Concen: 858.60 ng/ml
RT: 16.281 min Scan# 1911
Delta R.T. 0.000 min
Lab File: SIMICV.D
Acq: 11 Mar 2025 10:42 pm

Tgt Ion:276 Resp: 81271

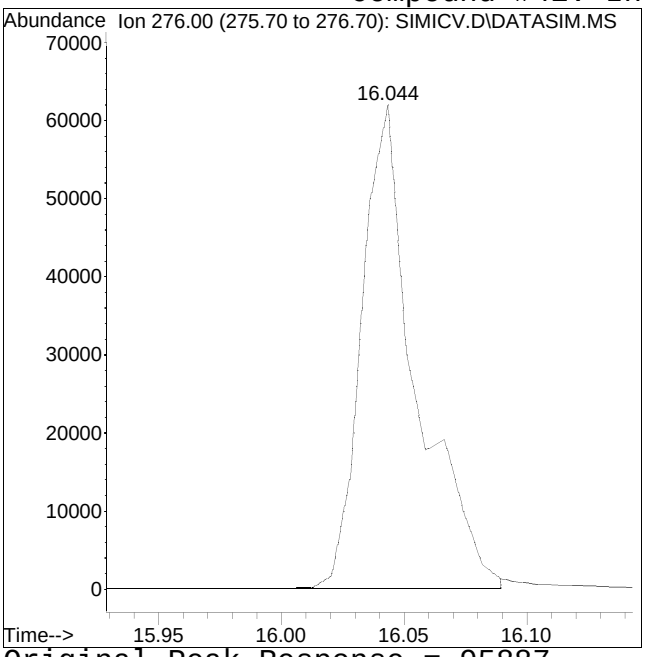
Ion	Ratio	Lower	Upper
276	100		
138	23.0	18.2	27.4



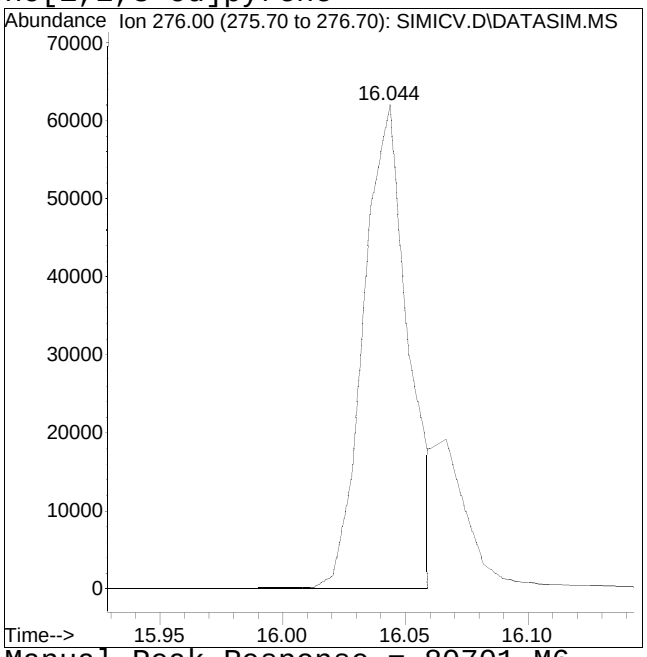
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIMICV.D Operator : SV106:dv
Date Inj'd : 3/11/2025 10:42 pm Instrument : SV 106
Sample : CQICV1,32,,1 Lot# 11275 Quant Date : 4/8/2025 6:16 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 95887



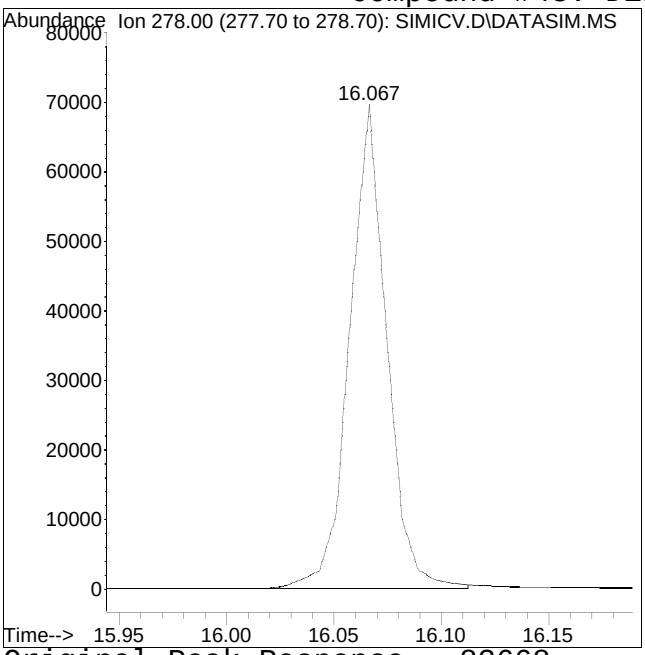
Manual Peak Response = 80701 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

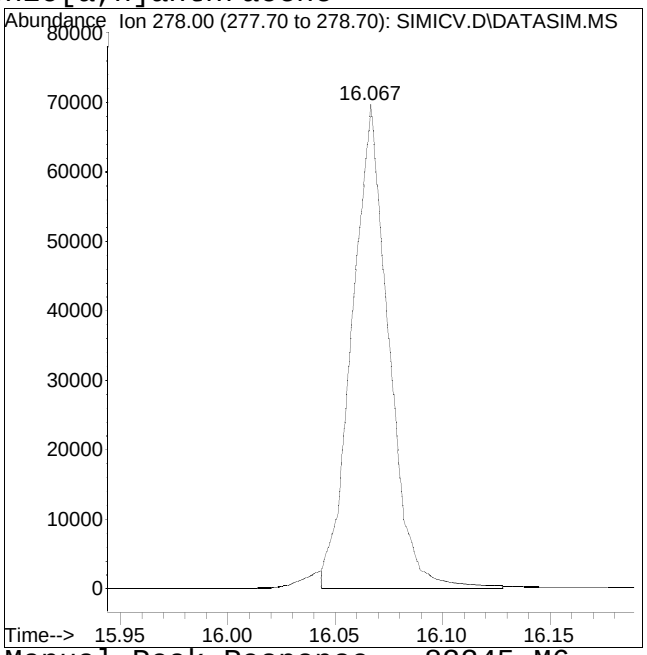
Manual Integration Report

Data Path : I:\8270\SV106\250311ical_SQMethod : SIM-RVT_250311_sv106.M
Data File : SIMICV.D Operator : SV106:dv
Date Inj'd : 3/11/2025 10:42 pm Instrument : SV 106
Sample : CQICV1,32,,1 Lot# 11275 Quant Date : 4/8/2025 6:16 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 83668



Manual Peak Response = 82245 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV 106

Method Path : I:\8270\SV106\250311ical_SIM\
Method File : SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Tue Apr 08 15:09:21 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
24 T	4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	1031.344	3.1	40.00	33.602	-16.0
26 T	Pentachlorophenol	Q	ng/ml	1000.0	1048.071	4.8	10.00	11.669	16.7
30 T	Benzidine	Q	ng/mL	1000.0	1062.640	6.3	5.00	7.113	42.3
34 T	Benzo[a]anthracene	L	ng/ml	1000.0	1037.690	3.8	1.00	0.847	-15.3
37 T	Bis(2-ethylhexyl)phthalate	Q	ng/ml	1000.0	1020.422	2.0	40.00	34.073	-14.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
24 T	4,6-Dinitro-o-cresol	Quadratic	0.999055	0.019900	0.0654666	-0.000180896
26 T	Pentachlorophenol	Quadratic	0.998733	0.026934	0.100549	0.000253927
30 T	Benzidine	Quadratic	0.996421	0.200834	0.48718	0.000440771
34 T	Benzo[a]anthracene	Linear	0.996683	0.000000	0.377862	0.000246898
37 T	Bis(2-ethylhexyl)phthalate	Quadratic	0.999287	0.176375	0.505031	1.16174e-005

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
1)	i	1,4-Dichlorobenzene-d4	----------ISTD----------											
2)	T	N-Nitrosodimet...						0.731	0.667	0.666	0.646	0.648	0.611	0.662	5.99
3)	s	2-Fluorophenol	1.153	1.157	1.129	1.147	1.142	1.150	1.118	1.086	1.029	1.123		3.72
4)	s	Phenol-d6	1.777	1.380	1.545	1.400	1.406	1.433	1.400	1.415	1.371	1.459		8.91
5)	T	Bis(2-chloroet...			1.231	1.169	1.180	1.210	1.170	1.159	1.120	1.177		3.06
6)	T	n-nitrosodi-n-...		0.894	0.866	0.864	0.860	0.908	0.875	0.915	0.897	0.885		2.39
7)	t	Hexachloroethane		0.521	0.574	0.535	0.529	0.542	0.524	0.521	0.502	0.531		3.95
8)	s	Nitrobenzene-d5	1.250	1.207	1.198	1.191	1.185	1.228	1.188	1.213	1.170	1.203		2.03
9)	i	Naphthalene-d8	----------ISTD----------											
10)	t	Naphthalene	1.136	1.119	1.071	1.044	1.030	1.049	1.019	1.006	0.957	1.048		5.29
11)	t	Hexachlorobuta...	0.231	0.219	0.205	0.208	0.206	0.208	0.203	0.198	0.189	0.208		5.83
12)	t	2-Methylnaphth...	0.803	0.724	0.690	0.690	0.682	0.701	0.670	0.666	0.628	0.695		6.95
13)	t	1-Methylnaphth...	0.777	0.750	0.733	0.719	0.717	0.736	0.697	0.689	0.648	0.718		5.20
14)	s	2-Fluorobiphenyl	0.942	0.951	0.946	0.933	0.928	0.940	0.877	0.843	0.785	0.905		6.40
15)	t	2-Chloronaphth...	0.795	0.791	0.796	0.798	0.790	0.803	0.762	0.758	0.721	0.779		3.49

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
16)	t	2,6-Dinitrotol...				0.147	0.141	0.157	0.157	0.176	0.173	0.159		8.84
17)	t	Acenaphthylene	1.363	1.331	1.292	1.285	1.301	1.292	1.349	1.279	1.270	1.193	1.296	3.66
18)	i	Acenaphthene-d10				----------ISTD----------								
19)	t	Acenaphthene	1.428	1.360	1.324	1.329	1.322	1.318	1.351	1.310	1.305	1.240	1.329	3.57
20)	t	2,4-Dinitrotol...				0.303	0.304	0.347	0.360	0.401	0.402	0.353		12.47
21)	t	Fluorene	1.671	1.627	1.617	1.603	1.594	1.574	1.646	1.576	1.551	1.437	1.589	4.05
22)	s	2,4,6-Tribromo...		0.201	0.203	0.190	0.190	0.205	0.202	0.210	0.205	0.201		3.53
23)	i	Phenanthrene-d10				----------ISTD----------								
24)	T	4,6-Dinitro-o-...				0.073	0.071	0.084	0.085	0.095	0.099	*Q		0.99
95														
25)	t	Hexachlorobenzene	0.261	0.251	0.251	0.251	0.251	0.254	0.243	0.240	0.226	0.248		4.02
26)	t	Pentachlorophenol			0.173	0.122	0.113	0.105	0.109	0.128	0.143	*Q		0.99
96														
27)	t	Phenanthrene	1.432	1.308	1.211	1.184	1.157	1.140	1.171	1.125	1.113	1.046	1.189	9.21
28)	t	Anthracene	1.184	1.185	1.172	1.170	1.158	1.143	1.196	1.157	1.150	1.082	1.160	2.77
29)	t	Fluoranthene	1.572	1.482	1.438	1.458	1.426	1.416	1.459	1.405	1.357		1.446	4.13
30)	t	Pyrene	1.605	1.535	1.513	1.500	1.484	1.460	1.513	1.444	1.372		1.492	4.33

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	%RSD
31)	T	Benzidine						0.411	0.618	0.779	0.805	*L		0.99
32)	s	4-Terphenyl-d14		0.929	0.954	0.941	0.923	0.940	0.894	0.840	0.774	0.899		6.90
33)	i	Chrysene-d12	----------ISTD----------											
34)	t	Benzo[a]anthra...		3.637	2.454	1.594	1.438	1.460	1.421	1.439	1.378	*L		0.99
35)	t	3,3'-Dichlorob...				0.400	0.435	0.543	0.557	0.605	0.593	0.522		16.27
36)	t	Chrysene		1.228	1.330	1.305	1.314	1.384	1.330	1.344	1.284	1.315		3.48
37)	T	Bis(2-ethylhex...				0.491	0.511	0.637	0.698	0.804	0.802	*L		0.99
38)	i	Perylene-d12	----------ISTD----------											
39)	t	Benzo[b]fluora...		0.997	1.066	1.118	1.188	1.356	1.314	1.330	1.275	1.206		11.10
40)	t	Benzo[k]fluora...		1.059	1.170	1.237	1.290	1.417	1.384	1.368	1.260	1.273		9.40
41)	t	Benzo[a]pyrene		0.873	0.943	1.006	1.059	1.220	1.218	1.255	1.201	1.097		13.32
42)	t	Indeno[1,2,3-c...		0.629	0.698	0.756	0.849	1.060	1.124	1.189		*L		0.99
43)	t	Dibenzo[a,h]an...		0.533	0.582	0.688	0.812	1.066	1.081	1.122		*L		0.99
44)	t	Benzo[g,h,i]pe...		0.707	0.808	0.886	0.968	1.137	1.160	1.200		*L		0.99

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025
Response Via : Initial Calibration

Calibration Files
L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg %RSD

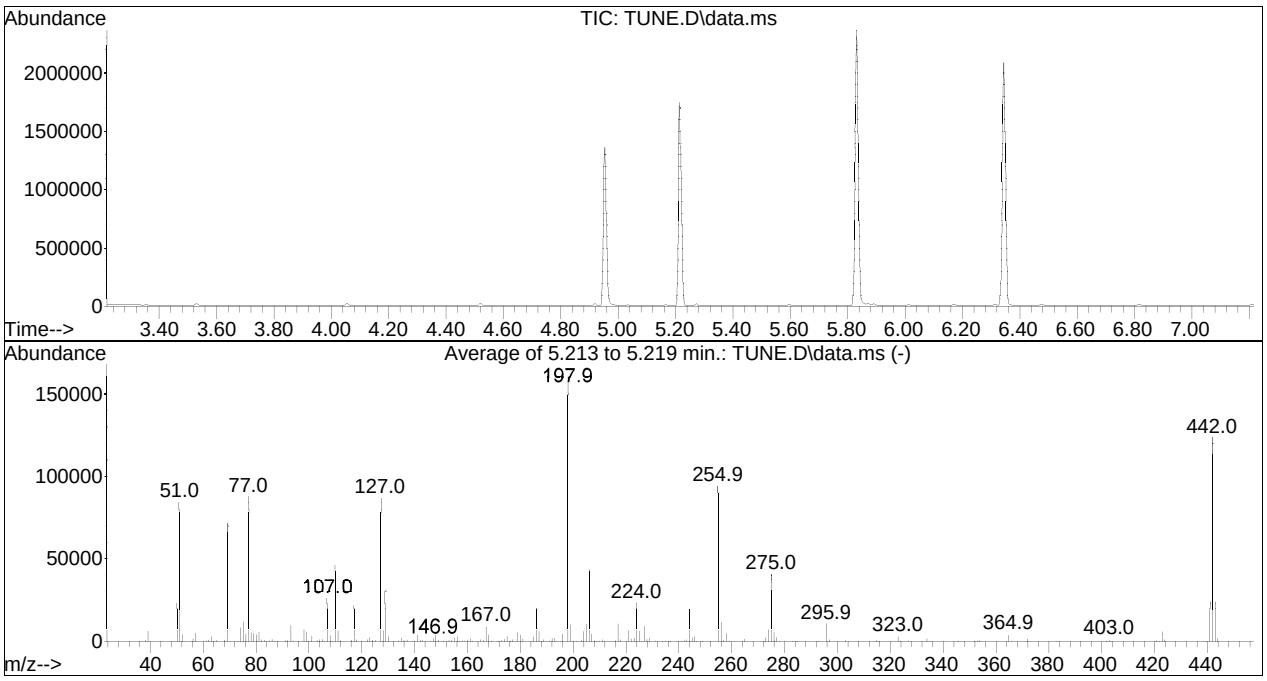
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : TUNE.D
Acq On : 18 Jun 2025 06:07 pm
Operator : sv119:slr
Sample : TUNE
Misc : WG2080956,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025



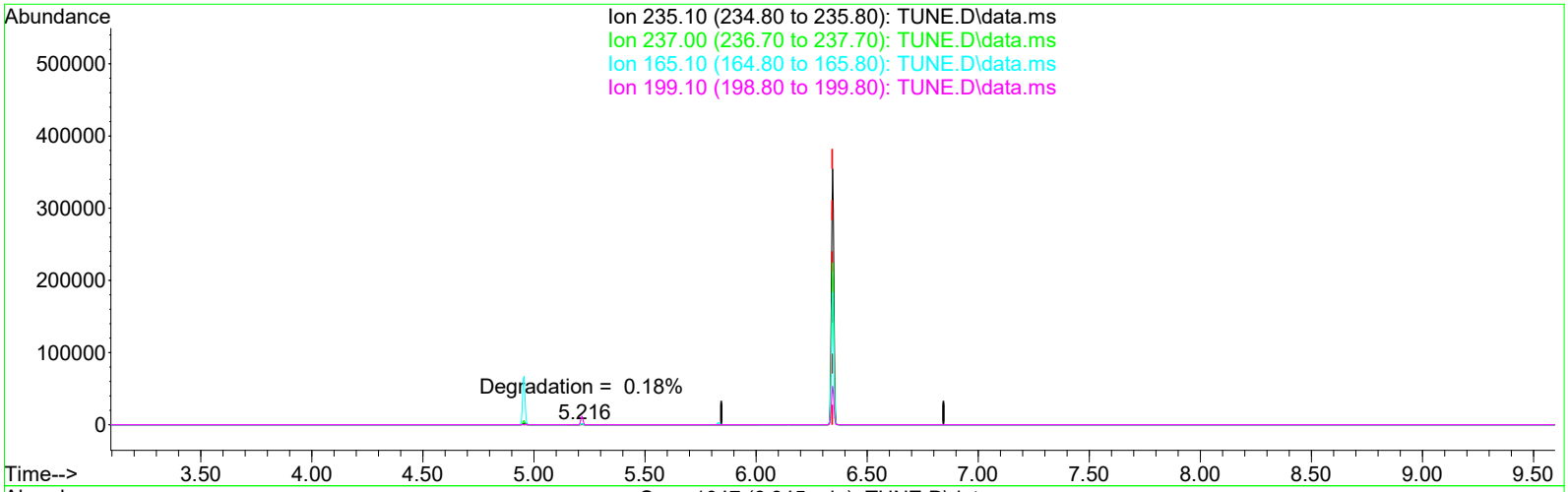
AutoFind: Scans 683, 684, 685; Background Corrected with Scan 676

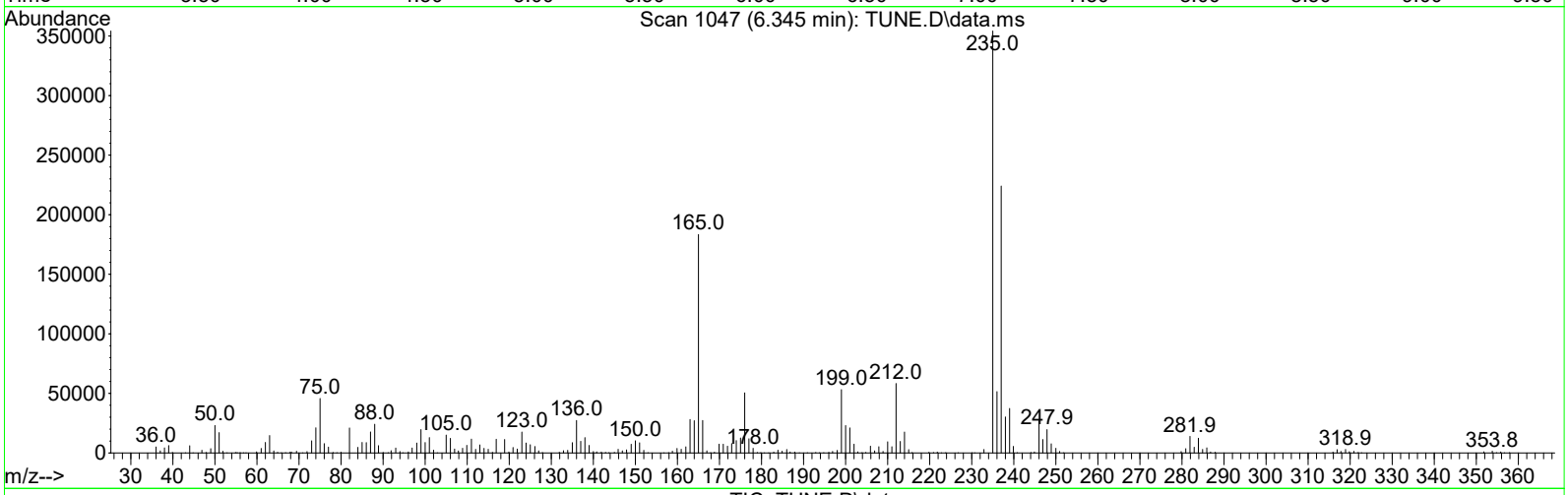
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.8	84471	PASS
68	69	0.00	2	2.0	1424	PASS
69	69	100	100	100.0	71693	PASS
70	69	0.00	2	0.7	517	PASS
127	198	10	80	54.3	86816	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	159893	PASS
199	198	5	9	6.4	10221	PASS
275	198	10	60	25.4	40675	PASS
365	198	1	100	2.6	4126	PASS
441	442	0.01	24	19.6	24221	PASS
442	198	50	100	77.4	123779	PASS
443	442	15	24	19.4	24019	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : TUNE.D
Acq On : 18 Jun 2025 06:07 pm
Operator : sv119:slr
Sample : TUNE
Misc : WG2080956,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 18 18:29:26 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: TUNE.D\data.ms

(6) ddt (T)

6.345min (-0.000) 44.47

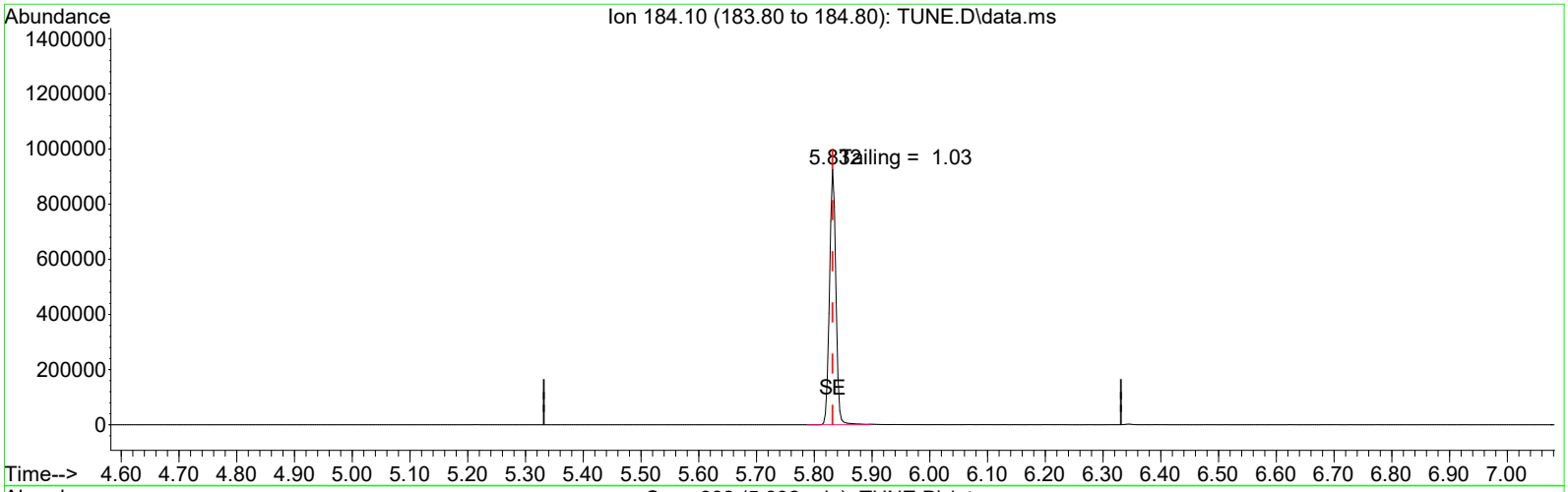
response 271064

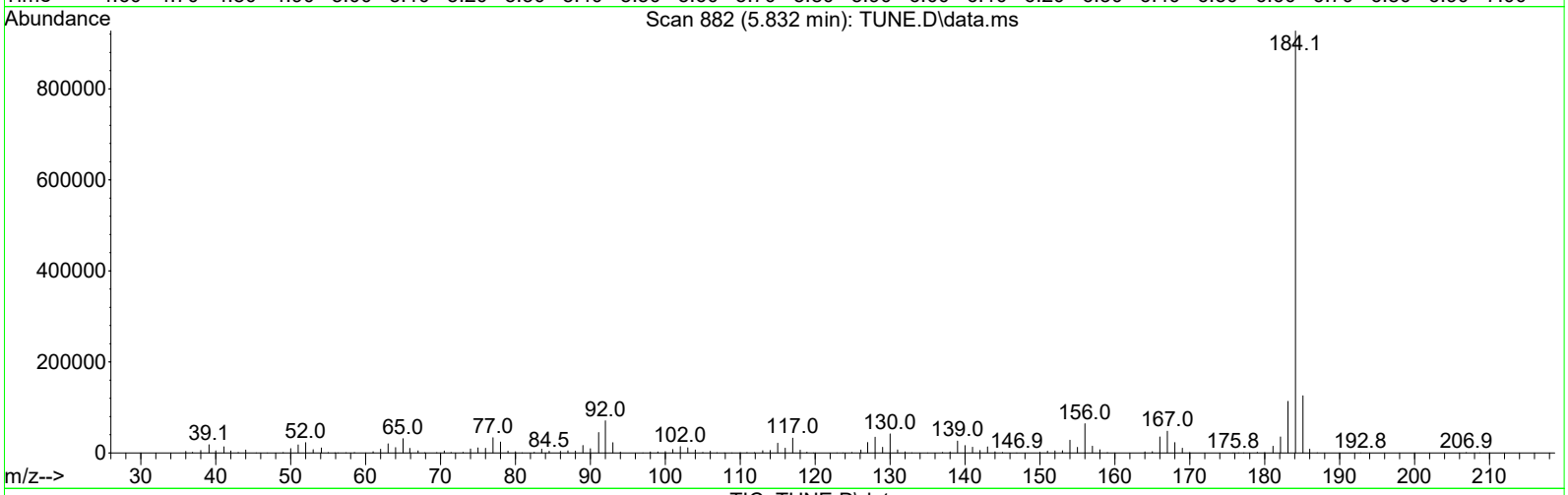
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.47
165.10	53.30	52.02
199.10	17.10	15.09

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : TUNE.D
Acq On : 18 Jun 2025 06:07 pm
Operator : sv119:slr
Sample : TUNE
Misc : WG2080956,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 18 18:29:26 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: TUNE.D\data.ms

(3) benzidine (T)

5.832min (-0.000) 69.80

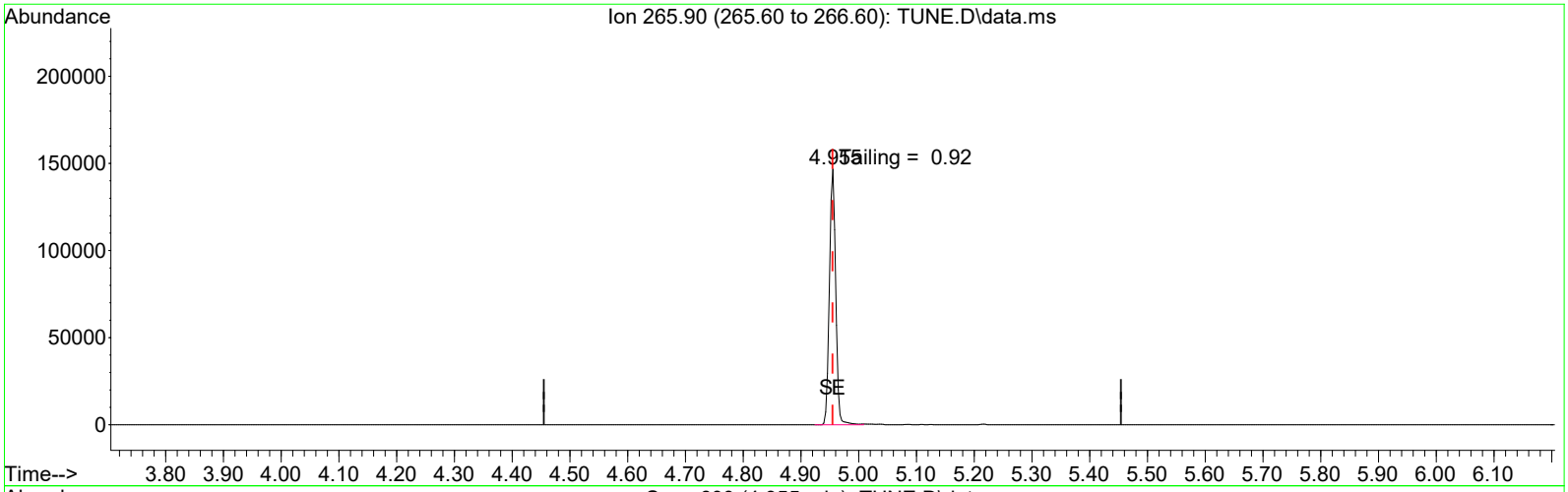
response 710603

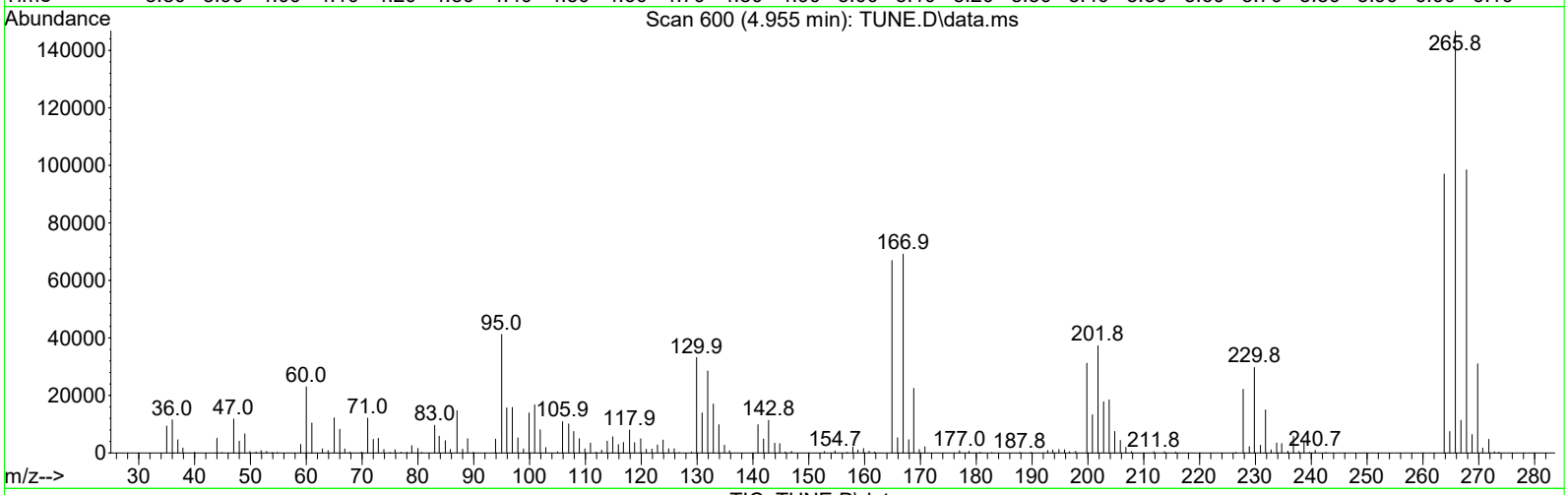
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : TUNE.D
Acq On : 18 Jun 2025 06:07 pm
Operator : sv119:slr
Sample : TUNE
Misc : WG2080956,,ical
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 18 18:29:26 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: TUNE.D\data.ms

(1) pentachlorophenol (T)

4.955min (+ 0.000) 52.87

response 111055

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L10.D
Acq On : 18 Jun 2025 06:34 pm
Operator : sv119:slr
Sample : IL10,32,,5 Lot# 11697
Misc : WG2080956,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:39:47 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.320	152	272280	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 96.20%			
9) Naphthalene-d8	2.995	136	1067695	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 100.24%			
18) Acenaphthene-d10	3.981	164	640925	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 101.11%			
23) Phenanthrene-d10	4.826	188	1343391	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 98.08%			
33) Chrysene-d12	6.457	240	1180302	4000.000	ng/ml	0.06
Standard Area 1 = 1297109			Recovery = 90.99%			
38) Perylene-d12	7.742	264	1207981	4000.000	ng/ml	0.06
Standard Area 1 = 1258930			Recovery = 95.95%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.721	112	350263	4580.242	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 229.01%#			
4) Phenol-d6	2.123	99	466700	4700.305	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 235.02%#			
8) Nitrobenzene-d5	2.605	82	398299	4862.758	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 486.28%#			
14) 2-Fluorobiphenyl	3.596	172	1047076	4334.543	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 433.45%#			
22) 2,4,6-Tribromophenol	4.427	330	163974	5099.959	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 255.00%#			
32) 4-Terphenyl-d14	5.775	244	1299795	4303.325	ng/ml	0.04
Spiked Amount 1000.000	Range 30 - 130		Recovery = 430.33%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.271	74	207985	4617.604	ng/mL#	23
5) Bis(2-chloroethyl)ether	2.180	93	381150	4756.683	ng/ml	99
6) n-nitrosodi-n-propylamine	2.525	70	305372	5069.210	ng/ml	100
7) Hexachloroethane	2.584	117	170922	4729.430	ng/ml	99
10) Naphthalene	3.006	128	1277089	4565.184	ng/ml	99
11) Hexachlorobutadiene	3.078	225	252182	4552.836	ng/ml	100
12) 2-Methylnaphthalene	3.390	142	838623	4520.922	ng/ml	100
13) 1-Methylnaphthalene	3.445	142	865450	4513.014	ng/ml	99
15) 2-Chloronaphthalene	3.664	162	962132	4624.894	ng/ml	99
16) 2,6-Dinitrotoluene	3.857	165	231397	5468.624	ng/ml	99
17) Acenaphthylene	3.900	152	1591795	4603.095	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L10.D
Acq On : 18 Jun 2025 06:34 pm
Operator : sv119:slr
Sample : IL10,32,,5 Lot# 11697
Misc : WG2080956,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:39:47 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:44 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.999	153	993547	4666.976	ng/ml	97
20) 2,4-Dinitrotoluene	4.087	165	321731	5695.140	ng/ml	97
21) Fluorene	4.291	166	1151356	4520.715	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.319	198	165890	5145.039	ng/ml	100
25) Hexachlorobenzene	4.609	284	379982	4569.975	ng/ml	99
26) Pentachlorophenol	4.718	266	240129	5386.626	ng/ml	100
27) Phenanthrene	4.841	178	1757049	4401.151	ng/ml	99
28) Anthracene	4.869	178	1816567	4664.132	ng/ml	99
29) Fluoranthene	5.541	202	2110885M3	4347.142	ng/ml	
30) Pyrene	5.679	202	2145769	4282.783	ng/ml	99
31) Benzidine	5.620	184	1351758	4972.615	ng/mL	99
34) Benzo[a]anthracene	6.448	228	2033515	4919.716	ng/ml	99
35) 3,3'-Dichlorobenzidine	6.432	252	874619	5674.791	ng/ml	100
36) Chrysene	6.476	228	1894176	4881.556	ng/ml	99
37) Bis(2-ethylhexyl)phtha...	6.476	149	1182723	5093.227	ng/ml	100
39) Benzo[b]fluoranthene	7.351	252	1925265	5288.256	ng/ml	99
40) Benzo[k]fluoranthene	7.378	252	1902954	4949.430	ng/ml	97
41) Benzo[a]pyrene	7.679	252	1813292	5472.950	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	9.034	276	1824397	5107.926	ng/ml	98
43) Dibenzo[a,h]anthracene	9.075	278	1720735M6	5078.950	ng/ml	
44) Benzo[g,h,i]perylene	9.398	276	1880685	5037.779	ng/ml	99

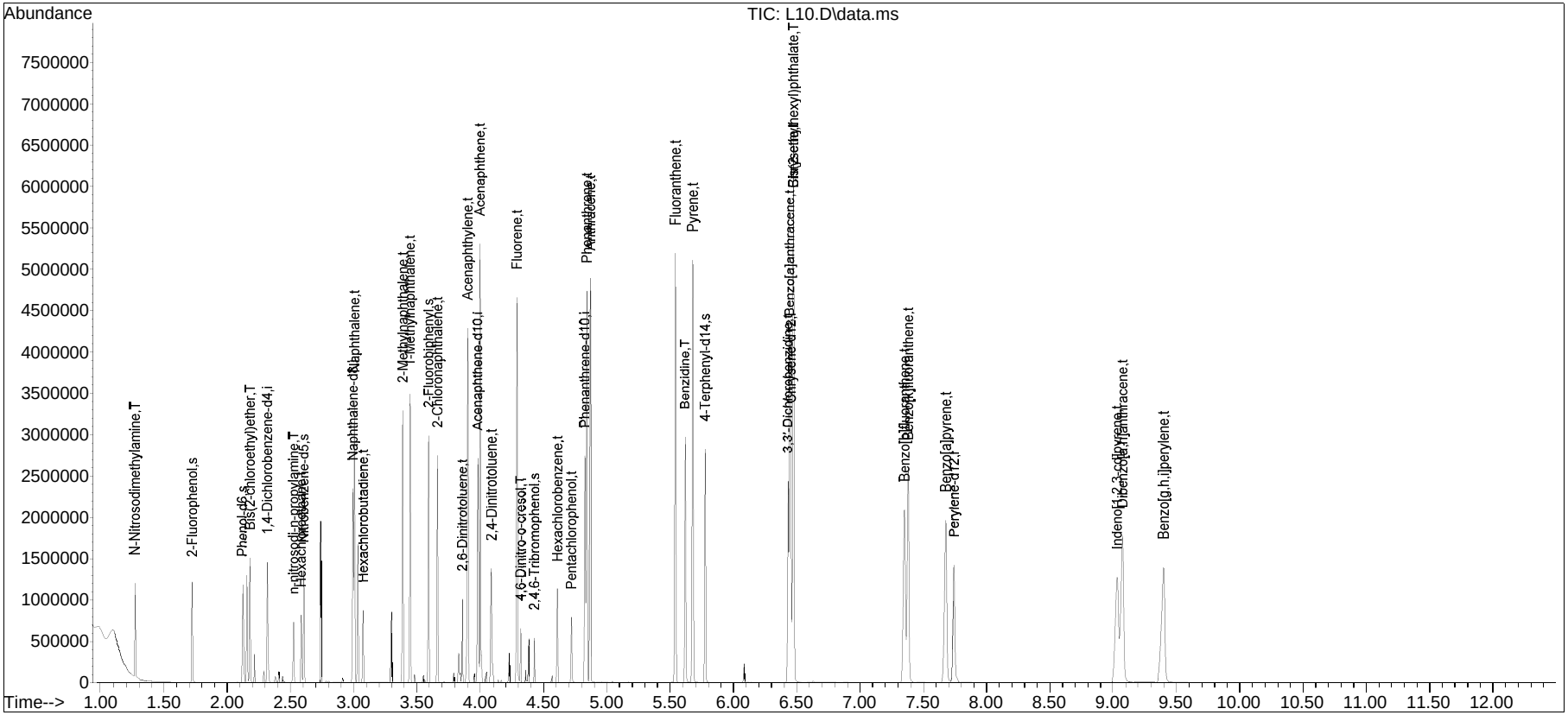
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L10.D
Acq On : 18 Jun 2025 06:34 pm
Operator : sv119:slr
Sample : IL10,32,,5 Lot# 11697
Misc : WG2080956,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:39:47 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:44 2025
Response via : Initial Calibration

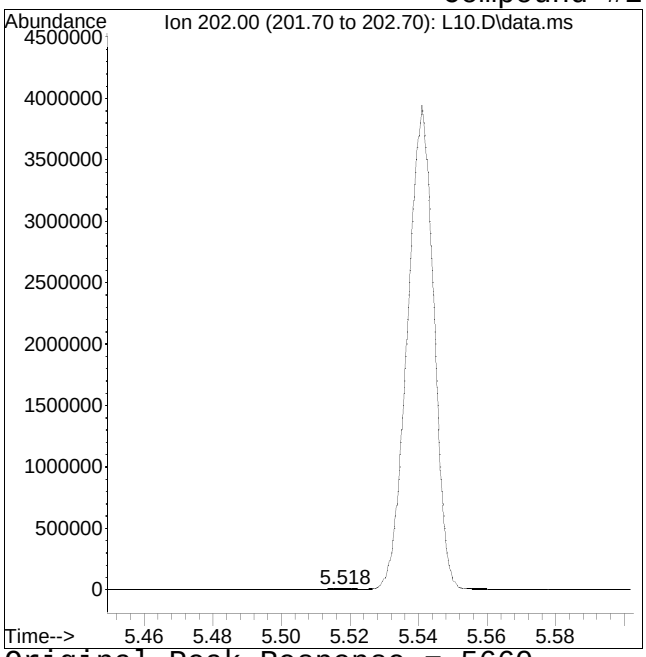
Sub List : Default - All compounds listedical\L8.D•

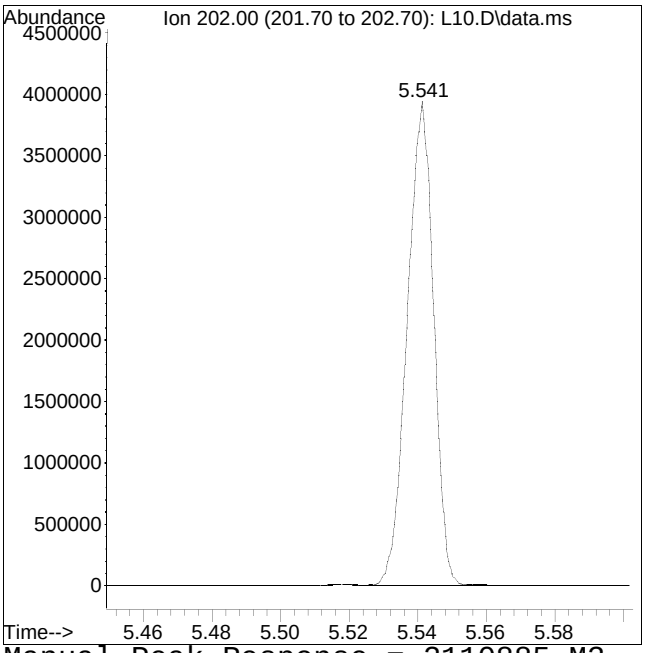


Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L10.D Operator : sv119:slr
Date Inj'd : 6/18/2025 6:34 pm Instrument : SV119
Sample : IL10,32,,5 Lot# 11697 Quant Date : 6/18/2025 9:40 pm

Compound #29: Fluoranthene





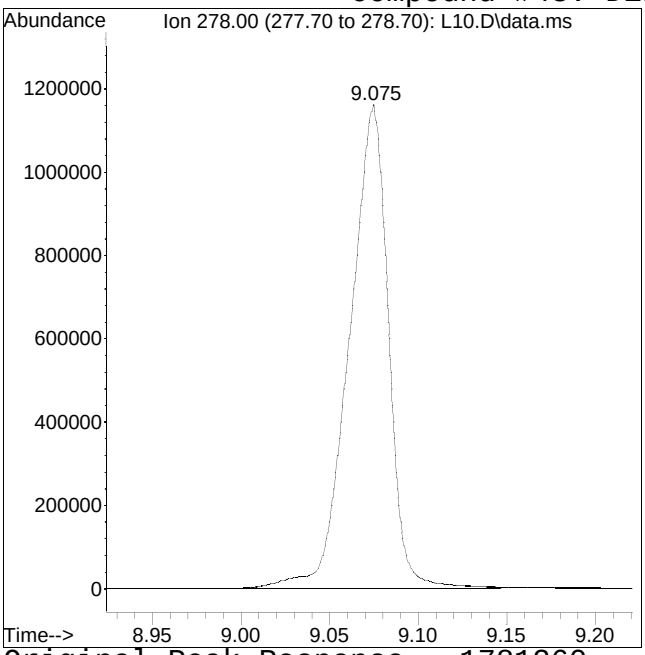
Original Peak Response = 5660 Manual Peak Response = 2110885 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

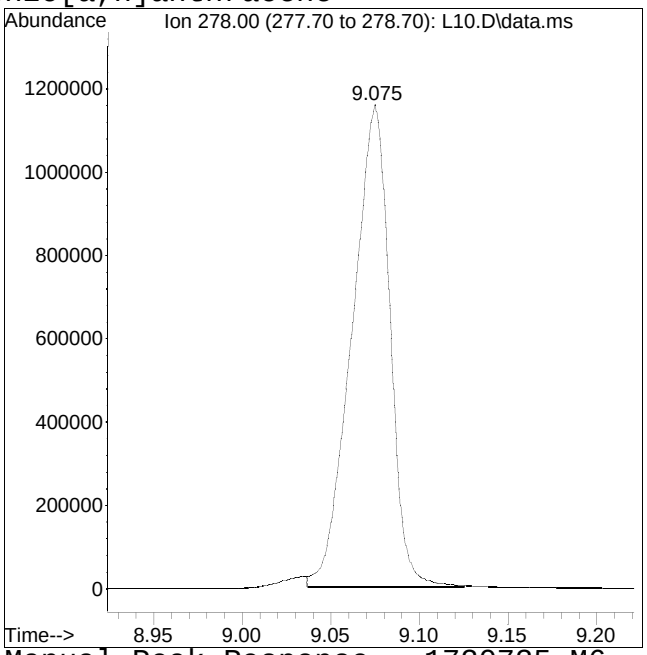
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L10.D Operator : sv119:slr
Date Inj'd : 6/18/2025 6:34 pm Instrument : SV119
Sample : IL10,32,,5 Lot# 11697 Quant Date : 6/18/2025 9:40 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1781260



Manual Peak Response = 1720735 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L9.D
Acq On : 18 Jun 2025 06:50 pm
Operator : sv119:slr
Sample : IL9,32,,2.5 Lot# 11699
Misc : WG2080956,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 21:40:29 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:26 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	295793	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 104.51%			
9) Naphthalene-d8	2.999	136	1139071	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 106.94%			
18) Acenaphthene-d10	3.982	164	684818	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 108.03%			
23) Phenanthrene-d10	4.823	188	1453813	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 106.14%			
33) Chrysene-d12	6.408	240	1291823	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 99.59%			
38) Perylene-d12	7.686	264	1285299	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 102.09%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.732	112	200687	2415.690	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 120.78%#			
4) Phenol-d6	2.130	99	261669	2425.874	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 121.29%#			
8) Nitrobenzene-d5	2.611	82	224321	2520.991	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 252.10%#			
14) 2-Fluorobiphenyl	3.598	172	600385	2329.654	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 232.97%#			
22) 2,4,6-Tribromophenol	4.427	330	89851	2615.451	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 130.77%#			
32) 4-Terphenyl-d14	5.746	244	763622	2336.155	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 233.62%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.286	74	119862	2449.594	ng/mL#	31
5) Bis(2-chloroethyl)ether	2.189	93	214282	2461.625	ng/ml	100
6) n-nitrosodi-n-propylamine	2.529	70	169173	2585.056	ng/ml	100
7) Hexachloroethane	2.591	117	96252	2451.593	ng/ml	100
10) Naphthalene	3.009	128	716195	2399.744	ng/ml	100
11) Hexachlorobutadiene	3.081	225	141048	2386.884	ng/ml	100
12) 2-Methylnaphthalene	3.392	142	474181	2396.077	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	490232	2396.198	ng/ml	100
15) 2-Chloronaphthalene	3.665	162	539421	2430.476	ng/ml	99
16) 2,6-Dinitrotoluene	3.857	165	125312	2775.936	ng/ml	99
17) Acenaphthylene	3.900	152	904354	2451.307	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L9.D
Acq On : 18 Jun 2025 06:50 pm
Operator : sv119:slr
Sample : IL9,32,,2.5 Lot# 11699
Misc : WG2080956,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 21:40:29 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:26 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.999	153	558381	2454.764	ng/ml	99
20) 2,4-Dinitrotoluene	4.086	165	171605	2842.978	ng/ml	99
21) Fluorene	4.290	166	663640	2438.721	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.317	198	86728	2495.443	ng/ml	100
25) Hexachlorobenzene	4.608	284	218243	2425.409	ng/ml	100
26) Pentachlorophenol	4.715	266	115856	2402.641	ng/ml	100
27) Phenanthrene	4.837	178	1010918	2339.873	ng/ml	100
28) Anthracene	4.866	178	1044753	2478.717	ng/ml	99
29) Fluoranthene	5.521	202	1233145	2346.644	ng/ml	99
30) Pyrene	5.655	202	1246811	2299.522	ng/ml	99
31) Benzidine	5.596	184	707498	2540.056	ng/mL	100
34) Benzo[a]anthracene	6.398	228	1161700	2564.225	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.381	252	488711	2897.165	ng/ml	100
36) Chrysene	6.425	228	1085375	2555.688	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	6.422	149	649544	2568.540	ng/ml	100
39) Benzo[b]fluoranthene	7.291	252	1068332	2757.935	ng/ml	99
40) Benzo[k]fluoranthene	7.317	252	1099093	2686.688	ng/ml	98
41) Benzo[a]pyrene	7.619	252	1008450	2860.646	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	8.976	276	954742	2514.758	ng/ml	99
43) Dibenzo[a,h]anthracene	9.014	278	901392M6	2503.131	ng/ml	
44) Benzo[g,h,i]perylene	9.338	276	964266	2442.152	ng/ml	99

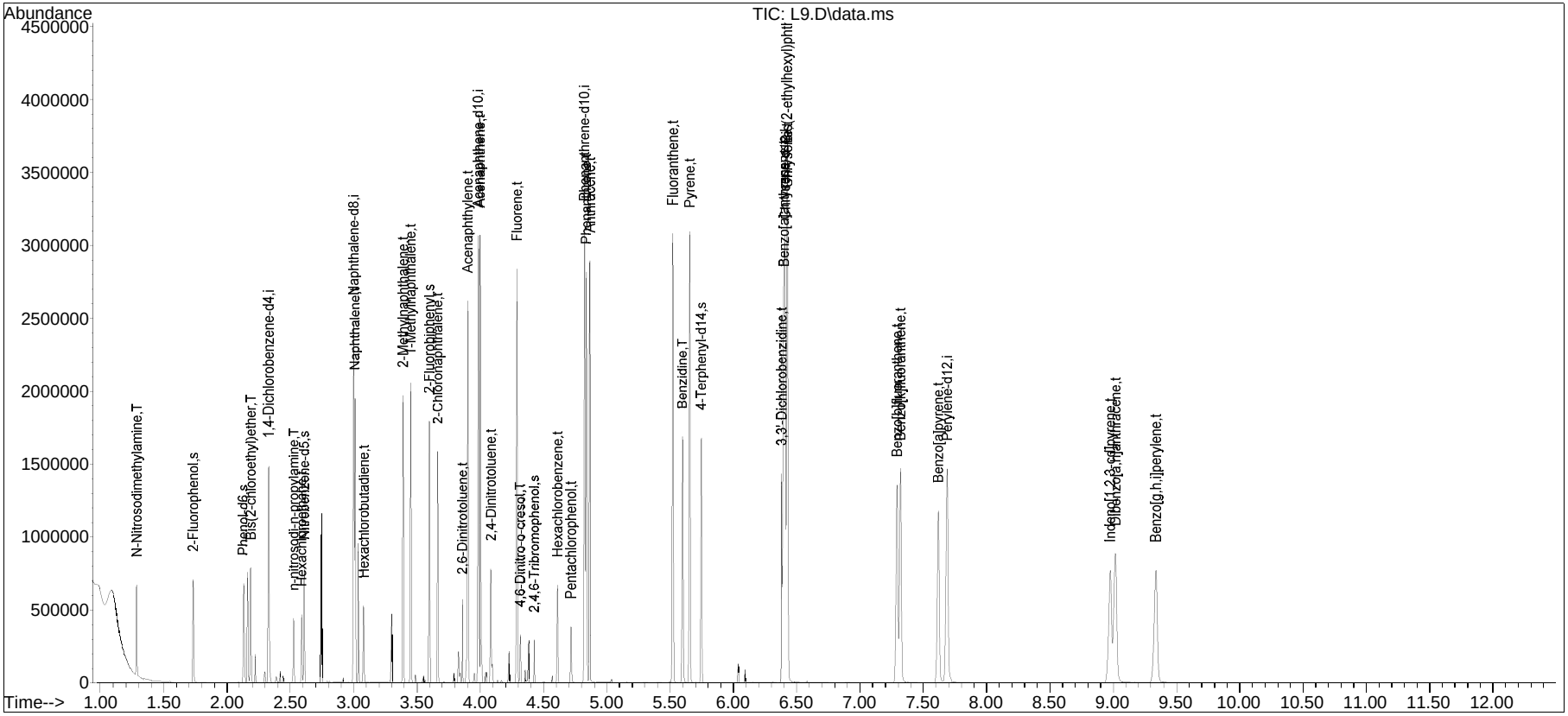
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L9.D
Acq On : 18 Jun 2025 06:50 pm
Operator : sv119:slr
Sample : IL9,32,,2.5 Lot# 11699
Misc : WG2080956,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 21:40:29 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:26 2025
Response via : Initial Calibration

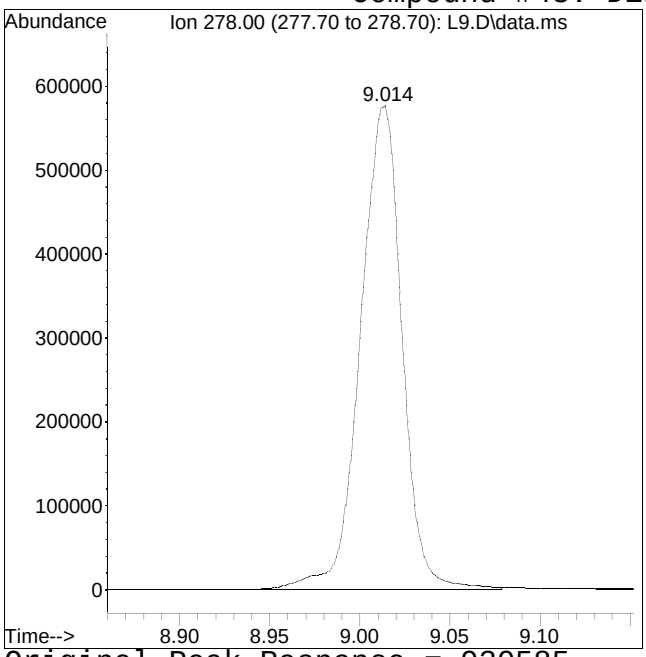
Sub List : Default - All compounds listedical\L8.D•



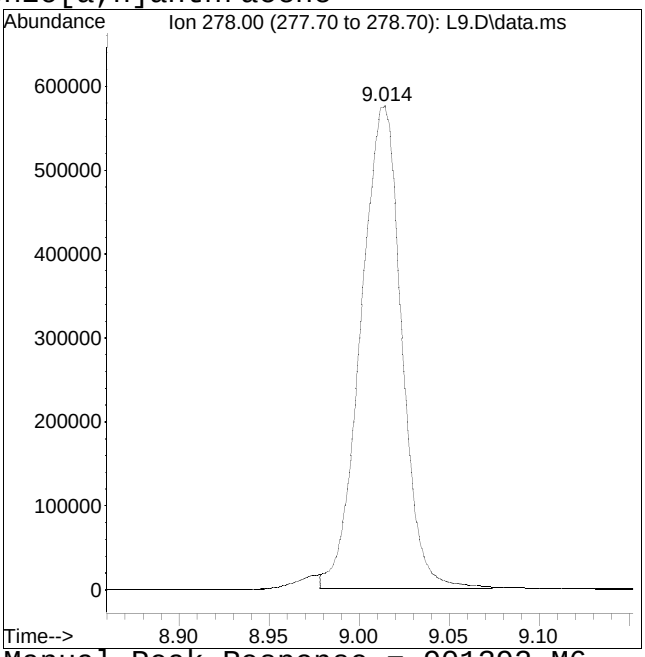
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L9.D Operator : sv119:slr
Date Inj'd : 6/18/2025 6:50 pm Instrument : SV119
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 930585



Manual Peak Response = 901392 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L8.D
Acq On : 18 Jun 2025 07:07 pm
Operator : sv119:slr
Sample : IL8,32,,1 Lot# 11700
Misc : WG2080956,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 21:40:23 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:21 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	283024	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 100.00%			
9) Naphthalene-d8	2.999	136	1065169	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 100.00%			
18) Acenaphthene-d10	3.980	164	633894	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 100.00%			
23) Phenanthrene-d10	4.823	188	1369725	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 100.00%			
33) Chrysene-d12	6.400	240	1297109	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 100.00%			
38) Perylene-d12	7.678	264	1258930	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 100.00%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	79127	995.431	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.77%			
4) Phenol-d6	2.132	99	99043	959.631	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.98%			
8) Nitrobenzene-d5	2.611	82	84045	987.138	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 98.71%			
14) 2-Fluorobiphenyl	3.598	172	233510	968.945	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.89%			
22) 2,4,6-Tribromophenol	4.425	330	32062	1008.261	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.41%			
32) 4-Terphenyl-d14	5.740	244	306086	993.898	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 99.39%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.288	74	45716	976.440	ng/mL	100
5) Bis(2-chloroethyl)ether	2.189	93	82782	993.886	ng/ml	100
6) n-nitrosodi-n-propylamine	2.528	70	61925	988.939	ng/ml	100
7) Hexachloroethane	2.592	117	37076	986.952	ng/ml	100
10) Naphthalene	3.010	128	271481	972.759	ng/ml	100
11) Hexachlorobutadiene	3.081	225	53971	976.691	ng/ml	100
12) 2-Methylnaphthalene	3.392	142	178298	963.464	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	185647	970.379	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	202832	977.310	ng/ml	100
16) 2,6-Dinitrotoluene	3.855	165	41855	991.508	ng/ml	100
17) Acenaphthylene	3.898	152	340660	987.444	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L8.D
Acq On : 18 Jun 2025 07:07 pm
Operator : sv119:slr
Sample : IL8,32,,1 Lot# 11700
Misc : WG2080956,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 21:40:23 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:21 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.999	153	207604	985.992	ng/ml	100
20) 2,4-Dinitrotoluene	4.083	165	56992	1020.037	ng/ml	100
21) Fluorene	4.290	166	249721	991.387	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.314	198	29198	904.001	ng/ml	100
25) Hexachlorobenzene	4.606	284	83201	981.405	ng/ml	100
26) Pentachlorophenol	4.715	266	37392	824.386	ng/ml	100
27) Phenanthrene	4.837	178	385069	945.998	ng/ml	100
28) Anthracene	4.865	178	396253	997.840	ng/ml	100
29) Fluoranthene	5.517	202	481109	971.744	ng/ml	100
30) Pyrene	5.649	202	494384	967.780	ng/ml	100
31) Benzidine	5.592	184	211683	985.204	ng/mL	100
34) Benzo[a]anthracene	6.390	228	460866	1008.485	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.373	252	180742	1067.104	ng/ml	100
36) Chrysene	6.415	228	431398	1011.656	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	6.414	149	226244	907.849	ng/ml	100
39) Benzo[b]fluoranthene	7.281	252	413545	1089.942	ng/ml	100
40) Benzo[k]fluoranthene	7.304	252	435443	1086.718	ng/ml	100
41) Benzo[a]pyrene	7.609	252	383495	1110.637	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.961	276	353781	954.402	ng/ml	100
43) Dibenzo[a,h]anthracene	9.000	278	340301	967.963	ng/ml	100
44) Benzo[g,h,i]perylene	9.321	276	365124	961.339	ng/ml	100

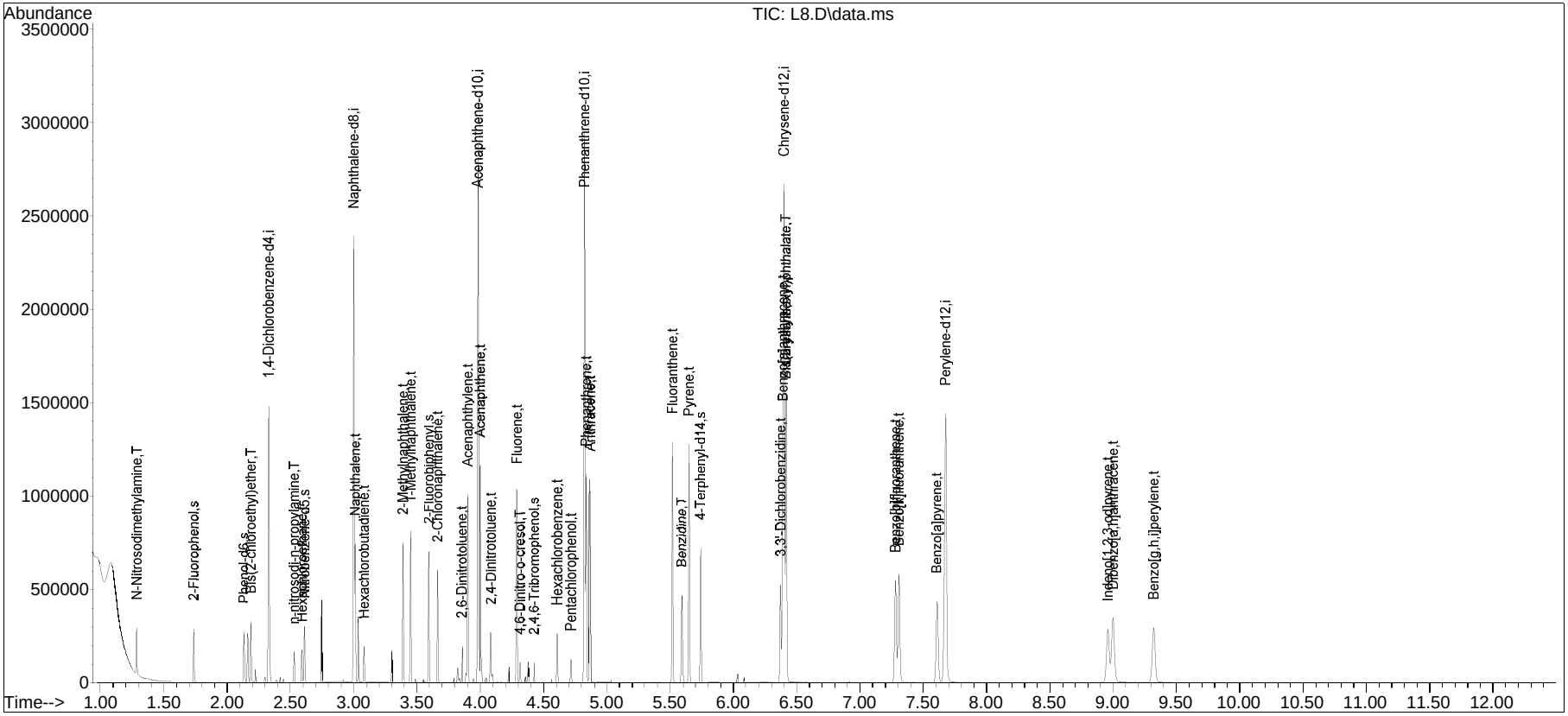
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L8.D
Acq On : 18 Jun 2025 07:07 pm
Operator : sv119:slr
Sample : IL8,32,,1 Lot# 11700
Misc : WG2080956,,ical
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 21:40:23 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:21 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250618RVTQ	Method	: SIM-RVT_250618_sv119.M
Data File	: L8.D	Operator	: sv119:slr
Date Inj'd	: 6/18/2025 7:07 pm	Instrument	: SV119
Sample	: IL8,32,,1 Lot# 11700	Quant Date	: 6/18/2025 9:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L7.D
Acq On : 18 Jun 2025 07:23 pm
Operator : sv119:slr
Sample : IL7,32,,0.5 Lot# 11701
Misc : WG2080956,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 21:40:20 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	289820	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 102.40%			
9) Naphthalene-d8	2.999	136	1102274	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 103.48%			
18) Acenaphthene-d10	3.981	164	667954	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 105.37%			
23) Phenanthrene-d10	4.823	188	1448685	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 105.76%			
33) Chrysene-d12	6.401	240	1379709	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 106.37%			
38) Perylene-d12	7.680	264	1302333	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 103.45%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.733	112	41656	511.751	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.59%			
4) Phenol-d6	2.130	99	51921	491.268	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 24.56%			
8) Nitrobenzene-d5	2.609	82	44499	510.400	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 51.04%			
14) 2-Fluorobiphenyl	3.597	172	129572	519.558	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 51.96%			
22) 2,4,6-Tribromophenol	4.425	330	17113	510.715	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 25.54%			
32) 4-Terphenyl-d14	5.740	244	170268	522.746	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 52.27%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.284	74	24135	503.407	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.189	93	43853	514.156	ng/ml	99
6) n-nitrosodi-n-propylamine	2.528	70	32880	512.779	ng/ml	100
7) Hexachloroethane	2.591	117	19628	510.240	ng/ml	100
10) Naphthalene	3.009	128	144493	500.313	ng/ml	100
11) Hexachlorobutadiene	3.081	225	28693	501.766	ng/ml	99
12) 2-Methylnaphthalene	3.393	142	96628	504.569	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	101398	512.167	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	110637	515.140	ng/ml	100
16) 2,6-Dinitrotoluene	3.855	165	21616	494.827	ng/ml	100
17) Acenaphthylene	3.898	152	185805	520.449	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L7.D
Acq On : 18 Jun 2025 07:23 pm
Operator : sv119:slr
Sample : IL7,32,,0.5 Lot# 11701
Misc : WG2080956,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 21:40:20 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:17 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.997	153	112807	508.445	ng/ml	99
20) 2,4-Dinitrotoluene	4.083	165	28932	491.417	ng/ml	99
21) Fluorene	4.288	166	137465	517.905	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.312	198	15149	453.219	ng/ml	100
25) Hexachlorobenzene	4.607	284	46005	513.079	ng/ml	100
26) Pentachlorophenol	4.714	266	18924	395.542	ng/ml	99
27) Phenanthrene	4.836	178	212075	492.607	ng/ml	99
28) Anthracene	4.864	178	216576	515.654	ng/ml	100
29) Fluoranthene	5.517	202	264139	504.429	ng/ml	100
30) Pyrene	5.649	202	273931	507.006	ng/ml	100
31) Benzidine	5.592	184	74407	502.125	ng/mL	100
34) Benzo[a]anthracene	6.393	228	251821	514.325	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.375	252	93721	520.204	ng/ml	99
36) Chrysene	6.418	228	238658	526.162	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	6.415	149	109887	428.557	ng/ml	99
39) Benzo[b]fluoranthene	7.281	252	220672	562.221	ng/ml	98
40) Benzo[k]fluoranthene	7.306	252	230754	556.691	ng/ml	99
41) Benzo[a]pyrene	7.612	252	198679	556.216	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.961	276	172555	452.573	ng/ml	99
43) Dibenzo[a,h]anthracene	9.000	278	173610M6	479.975	ng/ml	
44) Benzo[g,h,i]perylene	9.321	276	185123	485.496	ng/ml	100

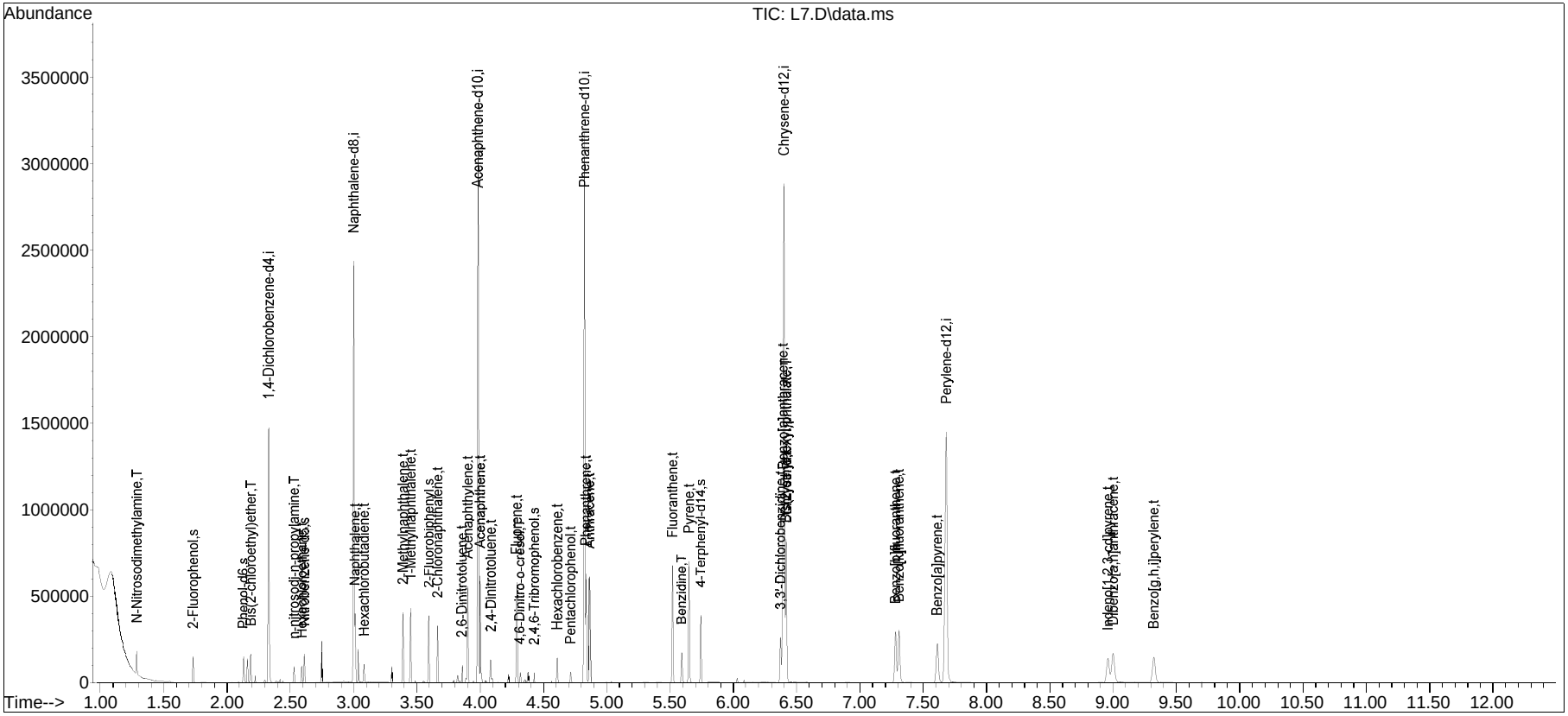
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L7.D
Acq On : 18 Jun 2025 07:23 pm
Operator : sv119:slr
Sample : IL7,32,,0.5 Lot# 11701
Misc : WG2080956,,ical
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 21:40:20 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:17 2025
Response via : Initial Calibration

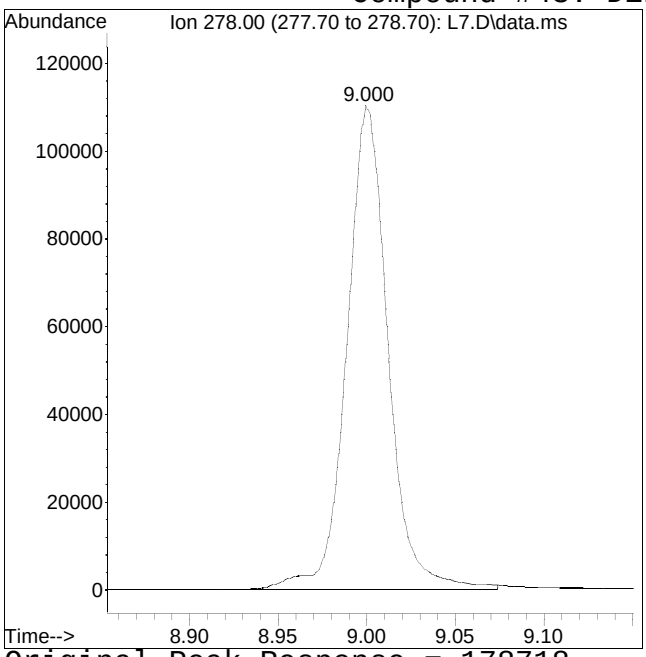
Sub List : Default - All compounds listedical\L8.D•



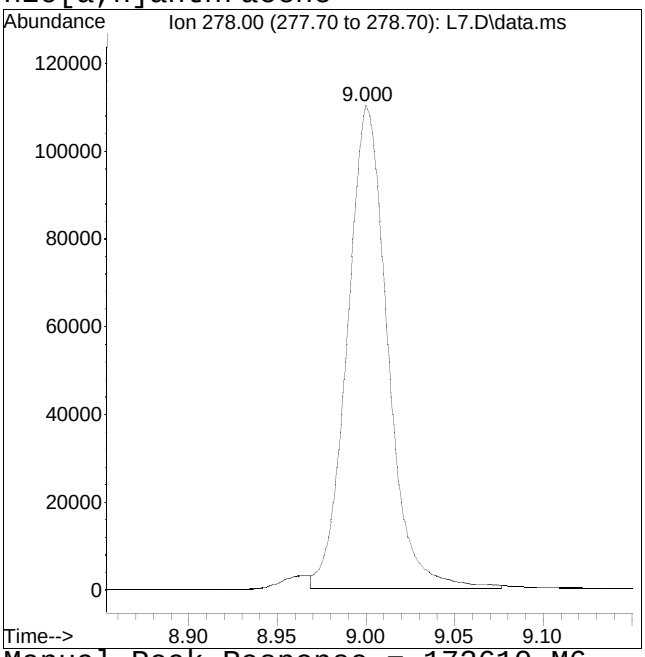
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L7.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:23 pm Instrument : SV119
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 178718



Manual Peak Response = 173610 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L6.D
Acq On : 18 Jun 2025 07:40 pm
Operator : sv119:slr
Sample : IL6,32,,0.1 Lot# 11702
Misc : WG2080956,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 21:40:16 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	298941	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 105.62%			
9) Naphthalene-d8	2.999	136	1115179	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 104.70%			
18) Acenaphthene-d10	3.980	164	666254	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 105.10%			
23) Phenanthrene-d10	4.823	188	1428657	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 104.30%			
33) Chrysene-d12	6.400	240	1410622	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 108.75%			
38) Perylene-d12	7.678	264	1306056	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 103.74%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	8532	101.619	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 5.08%#			
4) Phenol-d6	2.131	99	10508	96.391	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.82%#			
8) Nitrobenzene-d5	2.611	82	8853	98.445	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 9.84%#			
14) 2-Fluorobiphenyl	3.597	172	25868	102.525	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.25%#			
22) 2,4,6-Tribromophenol	4.424	330	3165	94.696	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 4.73%#			
32) 4-Terphenyl-d14	5.741	244	32959	102.607	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 10.26%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.288	74	4987M6	100.845	ng/mL	
5) Bis(2-chloroethyl)ether	2.191	93	8820	100.255	ng/ml	99
6) n-nitrosodi-n-propylamine	2.529	70	6430	97.219	ng/ml	100
7) Hexachloroethane	2.592	117	3955	99.675	ng/ml	100
10) Naphthalene	3.010	128	28726	98.314	ng/ml	100
11) Hexachlorobutadiene	3.083	225	5741	99.233	ng/ml	100
12) 2-Methylnaphthalene	3.392	142	19011	98.122	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	19979	99.747	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	22029	101.383	ng/ml	100
16) 2,6-Dinitrotoluene	3.854	165	3923	88.765	ng/ml	99
17) Acenaphthylene	3.898	152	36015	99.712	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L6.D
Acq On : 18 Jun 2025 07:40 pm
Operator : sv119:slr
Sample : IL6,32,,0.1 Lot# 11702
Misc : WG2080956,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 21:40:16 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:13 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.997	153	21948	99.177	ng/ml	98
20) 2,4-Dinitrotoluene	4.083	165	5062	86.199	ng/ml	99
21) Fluorene	4.288	166	26215	99.018	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.312	198	2542	93.006	ng/ml	100
25) Hexachlorobenzene	4.606	284	8962	101.351	ng/ml	99
26) Pentachlorophenol	4.715	266	4031	87.033	ng/ml	98
27) Phenanthrene	4.835	178	40730M6	95.934	ng/ml	
28) Anthracene	4.863	178	40824	98.562	ng/ml	99
29) Fluoranthene	5.518	202	50584	97.955	ng/ml	100
30) Pyrene	5.648	202	52162	97.898	ng/ml	100
31) Benzidine	5.591	184	843	264.423	ng/mL#	74
34) Benzo[a]anthracene	6.392	228	50701	95.123	ng/ml	98
35) 3,3'-Dichlorobenzidine	6.374	252	15349	83.329	ng/ml	100
36) Chrysene	6.416	228	46348	99.943	ng/ml	100
37) Bis(2-ethylhexyl)phtha...	6.414	149	18036	90.446	ng/ml	99
39) Benzo[b]fluoranthene	7.279	252	38796	98.561	ng/ml	98
40) Benzo[k]fluoranthene	7.304	252	42106	101.291	ng/ml	99
41) Benzo[a]pyrene	7.607	252	34586	96.550	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.960	276	27722	76.604	ng/ml	99
43) Dibenzo[a,h]anthracene	8.996	278	26511M4	77.453	ng/ml	
44) Benzo[g,h,i]perylene	9.317	276	31613	105.986	ng/ml	100

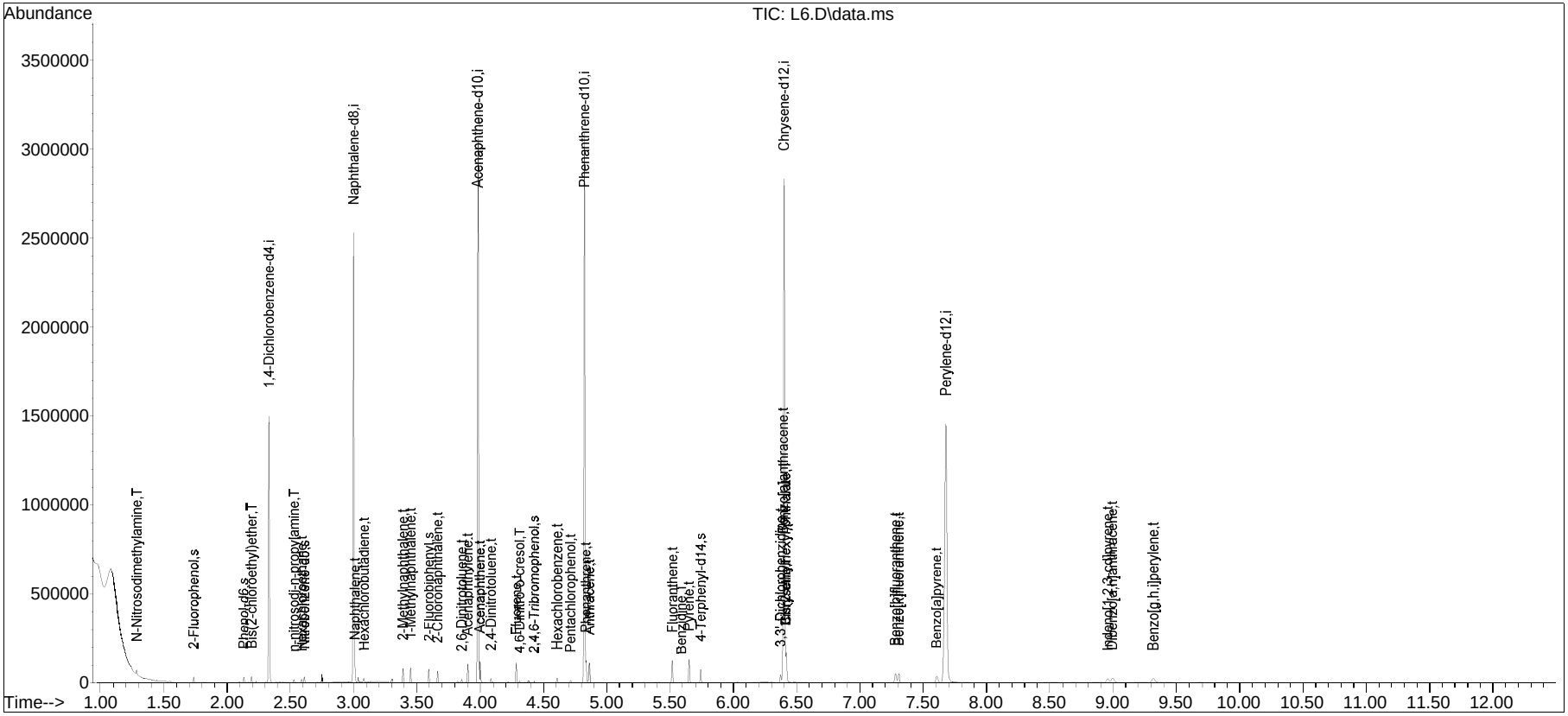
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L6.D
Acq On : 18 Jun 2025 07:40 pm
Operator : sv119:slr
Sample : IL6,32,,0.1 Lot# 11702
Misc : WG2080956,,ical
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 21:40:16 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:13 2025
Response via : Initial Calibration

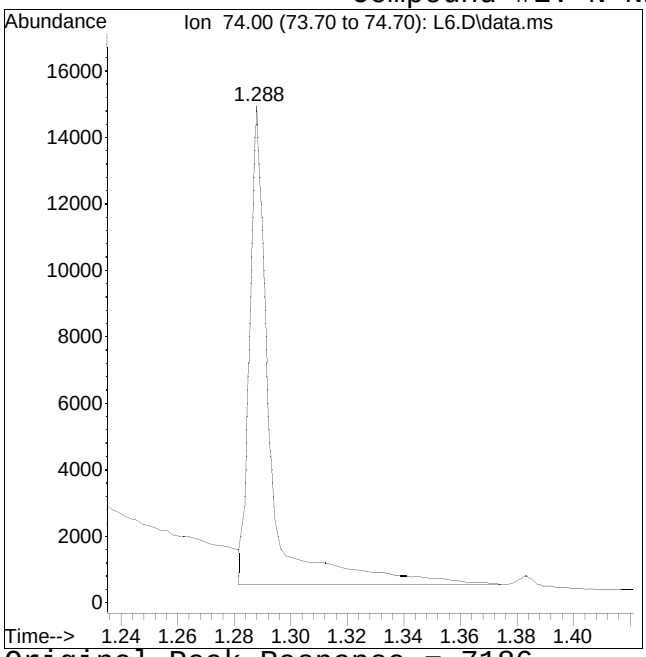
Sub List : Default - All compounds listedical\L8.D•



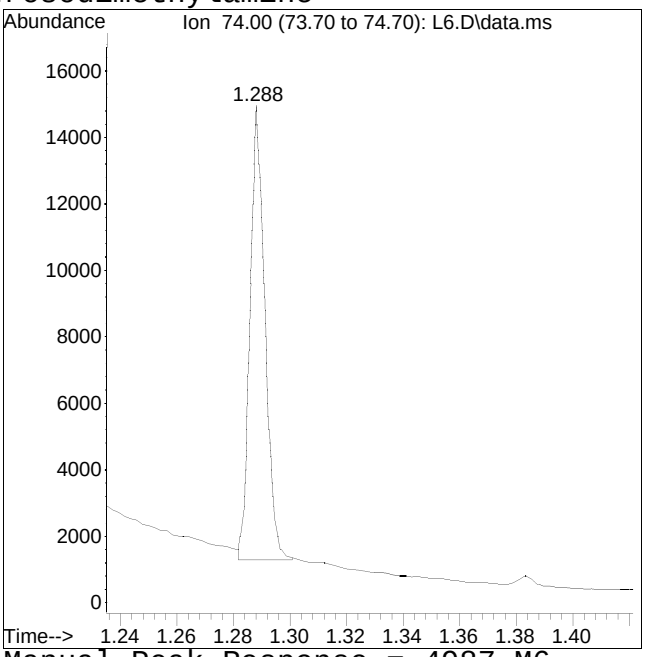
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L6.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:40 pm Instrument : SV119
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 6/18/2025 9:41 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 7186



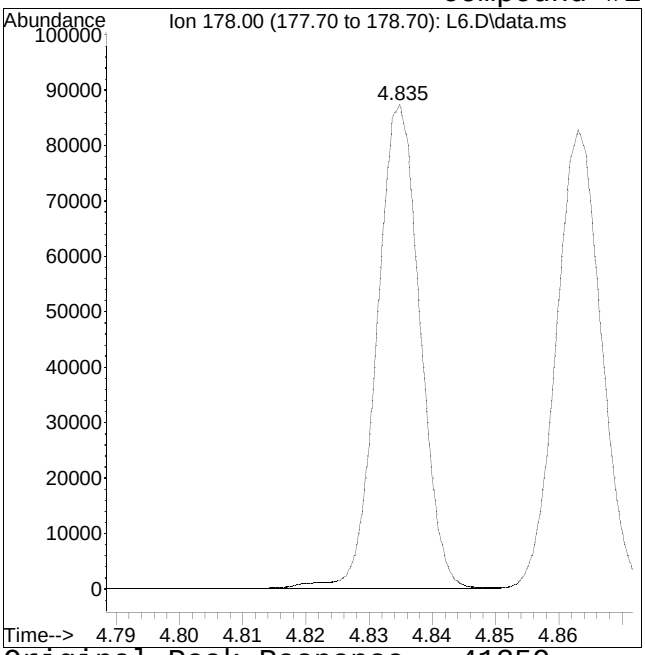
Manual Peak Response = 4987 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

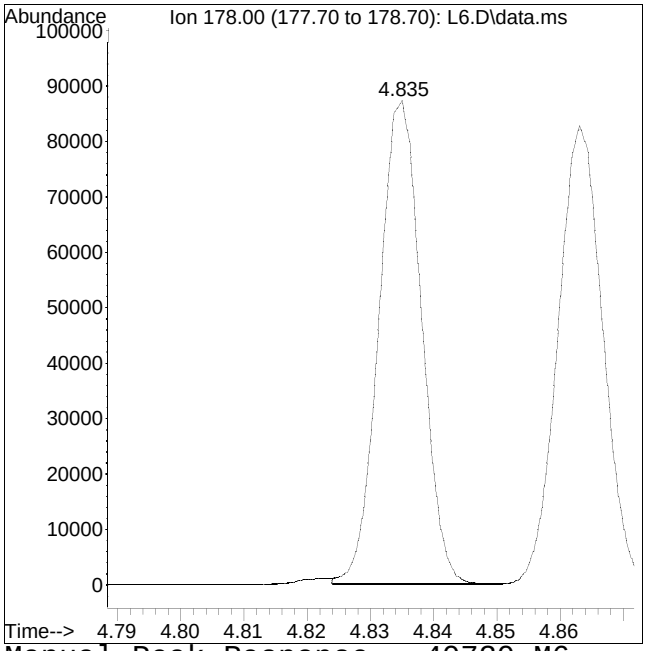
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L6.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:40 pm Instrument : SV119
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 6/18/2025 9:41 pm

Compound #27: Phenanthrene



Original Peak Response = 41359



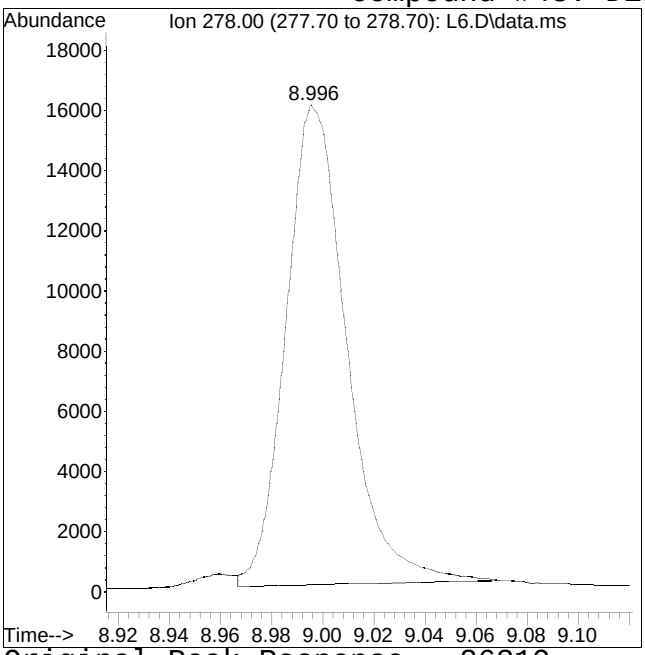
Manual Peak Response = 40730 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

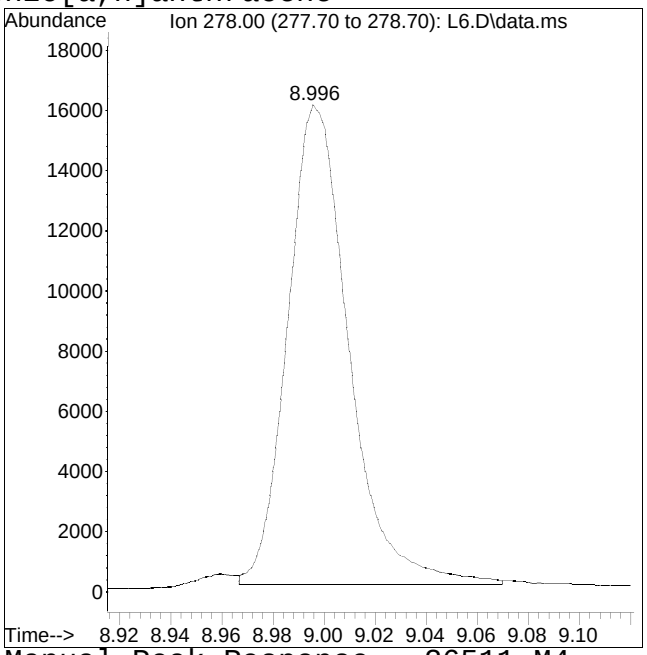
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L6.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:40 pm Instrument : SV119
Sample : IL6,32,,0.1 Lot# 11702 Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 26319



Manual Peak Response = 26511 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L5.D
Acq On : 18 Jun 2025 07:56 pm
Operator : sv119:slr
Sample : IL5,32,,0.04 Lot# 11703
Misc : WG2080956,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 10:20:33 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	284079	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 100.37%			
9) Naphthalene-d8	2.999	136	1051951	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 98.76%			
18) Acenaphthene-d10	3.979	164	626430	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 98.82%			
23) Phenanthrene-d10	4.824	188	1343954	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 98.12%			
33) Chrysene-d12	6.401	240	1354272	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 104.41%			
38) Perylene-d12	7.678	264	1243475	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 98.77%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	3259	40.847	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 2.04%#			
4) Phenol-d6	2.131	99	3976	38.381	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.92%#			
8) Nitrobenzene-d5	2.611	82	3382	39.575	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 3.96%#			
14) 2-Fluorobiphenyl	3.597	172	9812	41.226	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.12%#			
22) 2,4,6-Tribromophenol	4.425	330	1191	37.900	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 1.89%#			
32) 4-Terphenyl-d14	5.741	244	12649	41.860	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 4.19%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.290	74	2077M6	44.198	ng/mL	
5) Bis(2-chloroethyl)ether	2.191	93	3321	39.724	ng/ml	100
6) n-nitrosodi-n-propylamine	2.529	70	2455	39.061	ng/ml	99
7) Hexachloroethane	2.592	117	1519	40.285	ng/ml	99
10) Naphthalene	3.011	128	10987	39.863	ng/ml	98
11) Hexachlorobutadiene	3.083	225	2186	40.056	ng/ml	100
12) 2-Methylnaphthalene	3.393	142	7260	39.724	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	7568	40.055	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	8394	40.953	ng/ml	99
16) 2,6-Dinitrotoluene	3.854	165	1546	37.084	ng/ml	95
17) Acenaphthylene	3.897	152	13689	40.178	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L5.D
Acq On : 18 Jun 2025 07:56 pm
Operator : sv119:slr
Sample : IL5,32,,0.04 Lot# 11703
Misc : WG2080956,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 10:20:33 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:08 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.996	153	8284	39.813	ng/ml	97
20) 2,4-Dinitrotoluene	4.082	165	1897	34.357	ng/ml	99
21) Fluorene	4.288	166	9983	40.105	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.315	198	976	49.293	ng/ml	95
25) Hexachlorobenzene	4.607	284	3375	40.574	ng/ml	100
26) Pentachlorophenol	4.716	266	1635	38.685	ng/ml	98
27) Phenanthrene	4.836	178	15547	38.927	ng/ml	99
28) Anthracene	4.864	178	15557	39.927	ng/ml	100
29) Fluoranthene	5.518	202	19163	39.448	ng/ml	99
30) Pyrene	5.650	202	19950	39.802	ng/ml	100
31) Benzidine	5.593	184	455	263.245	ng/mL#	48
34) Benzo[a]anthracene	6.394	228	21588	37.919	ng/ml	96
35) 3,3'-Dichlorobenzidine	6.374	252	5414	30.615	ng/ml	99
36) Chrysene	6.416	228	17678	39.706	ng/ml	99
37) Bis(2-ethylhexyl)phtha...	6.414	149	6651M6	50.623	ng/ml	
39) Benzo[b]fluoranthene	7.279	252	13908	37.112	ng/ml	98
40) Benzo[k]fluoranthene	7.307	252	15383M1	38.868	ng/ml	
41) Benzo[a]pyrene	7.610	252	12514	36.692	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.960	276	9395	30.414	ng/ml	98
43) Dibenzo[a,h]anthracene	8.998	278	8558M1	29.666	ng/ml	
44) Benzo[g,h,i]perylene	9.319	276	11013	56.599	ng/ml	99

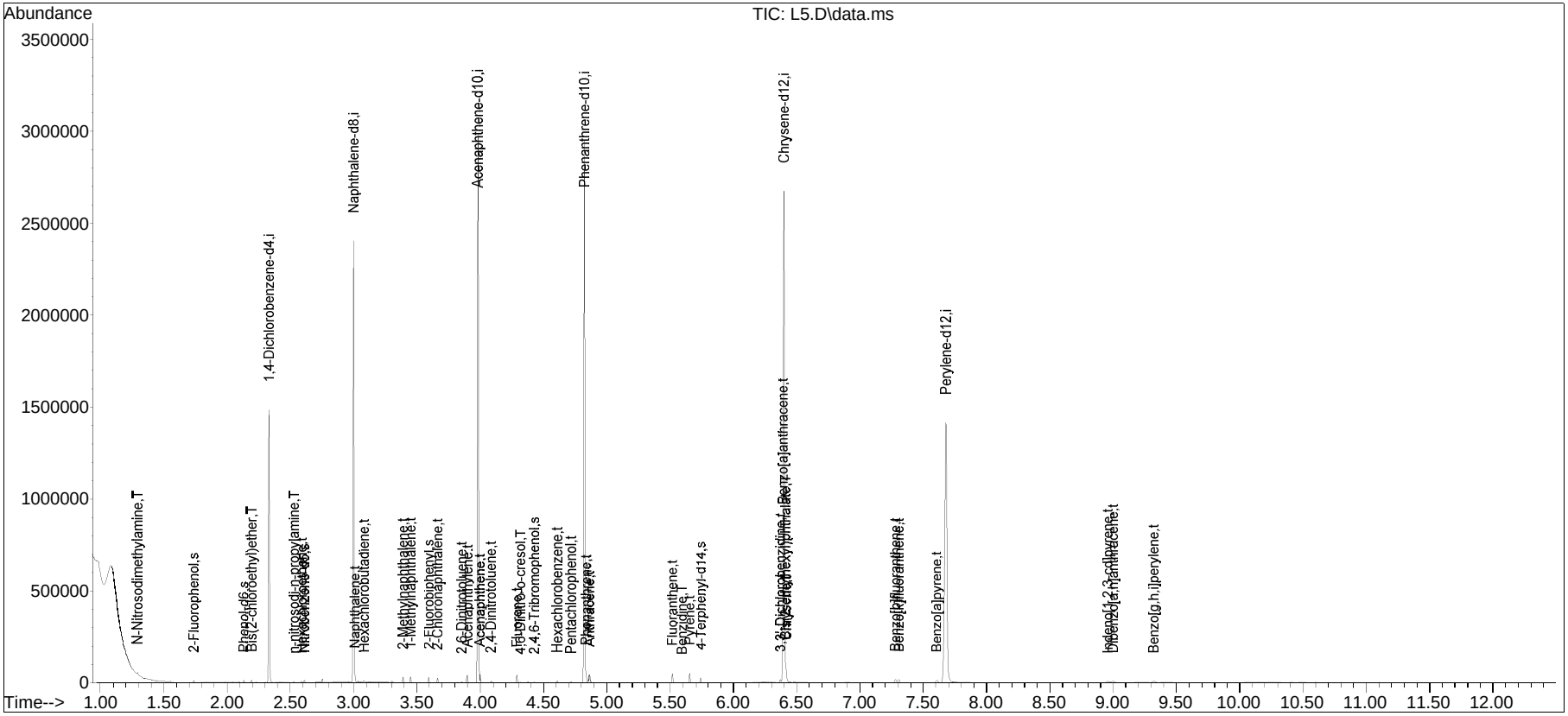
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L5.D
Acq On : 18 Jun 2025 07:56 pm
Operator : sv119:slr
Sample : IL5,32,,0.04 Lot# 11703
Misc : WG2080956,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 10:20:33 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:08 2025
Response via : Initial Calibration

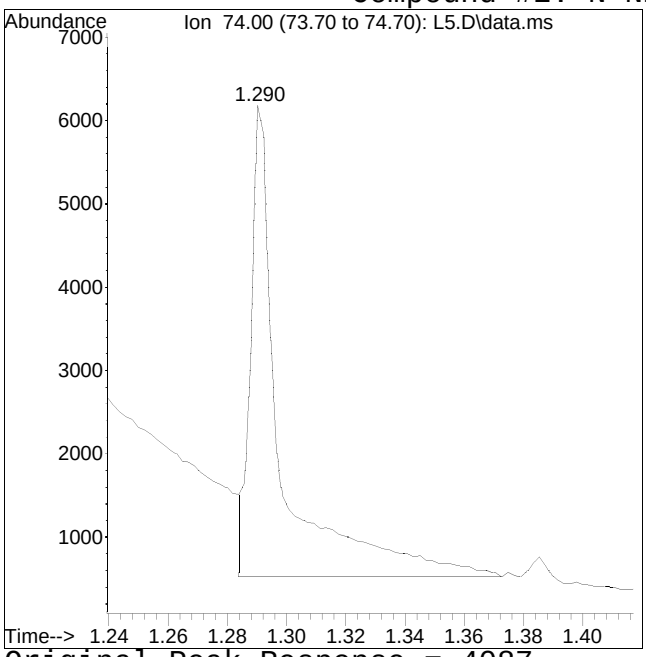
Sub List : Default - All compounds listedical\L8.D•



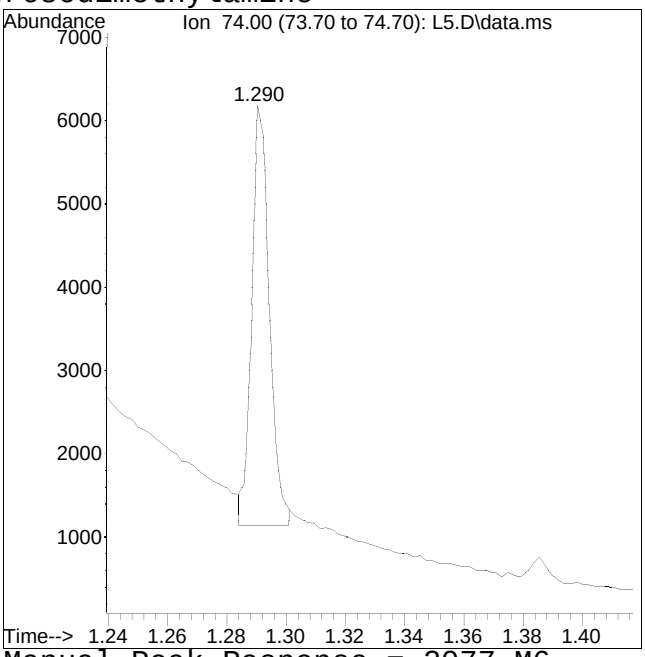
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L5.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:56 pm Instrument : SV119
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 6/18/2025 9:41 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 4087



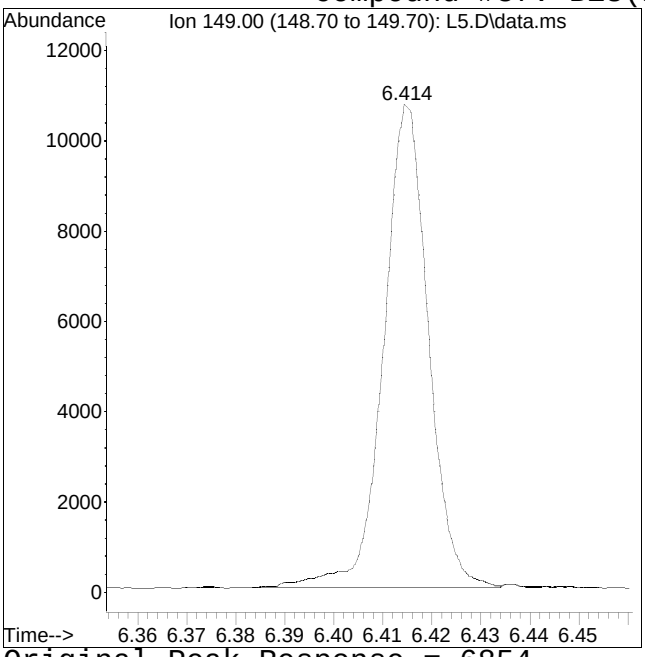
Manual Peak Response = 2077 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

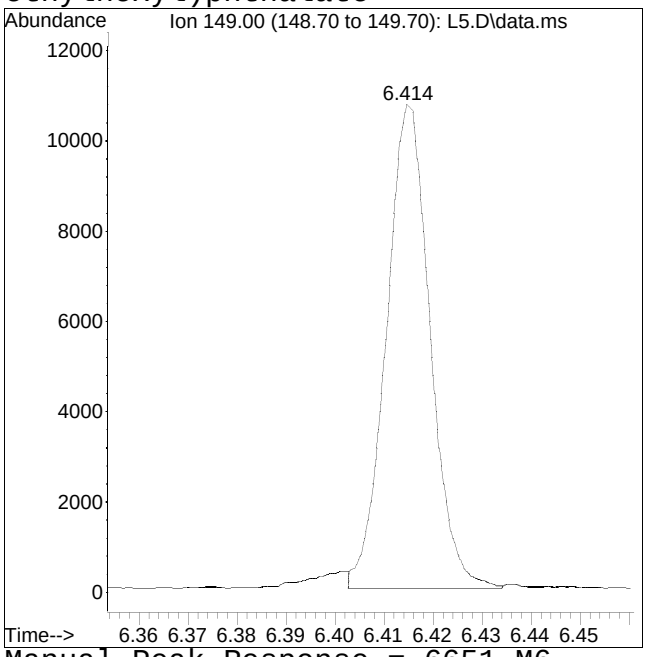
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L5.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:56 pm Instrument : SV119
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 6/18/2025 9:41 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 6854



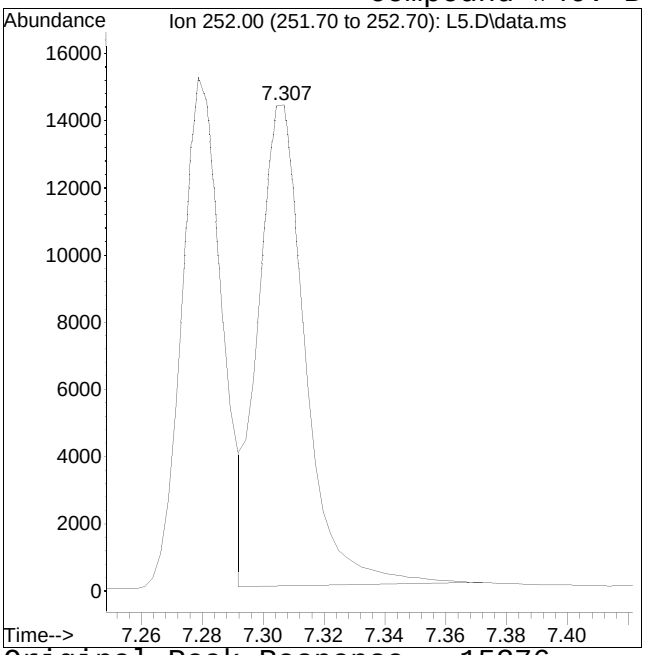
Manual Peak Response = 6651 M6

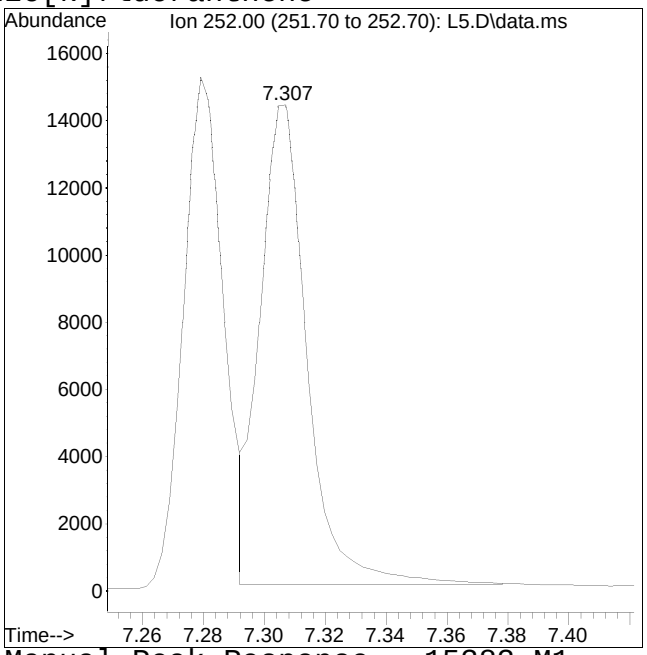
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L5.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:56 pm Instrument : SV119
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 6/18/2025 9:41 pm

Compound #40: Benzo[k]fluoranthene





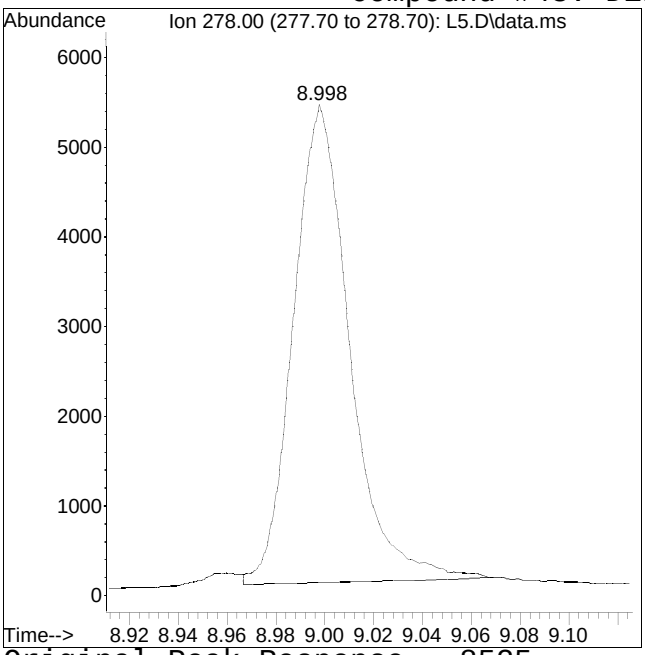
Original Peak Response = 15376 Manual Peak Response = 15383 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

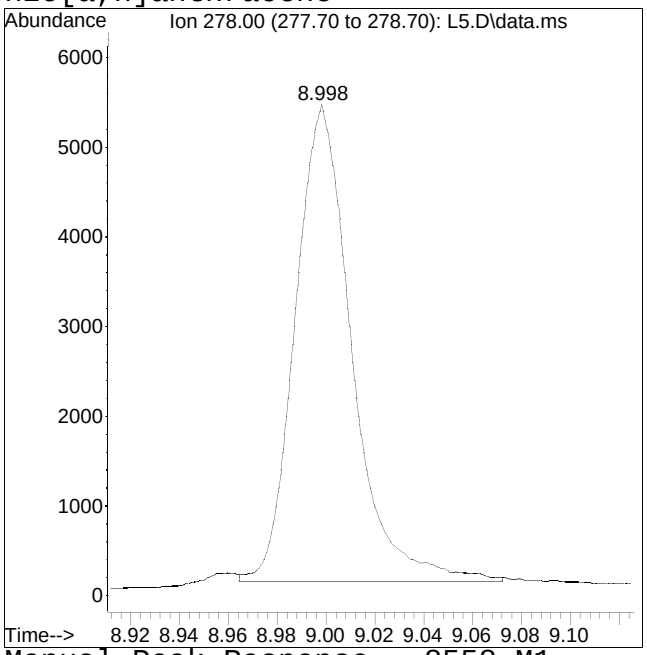
Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L5.D
Date Inj'd : 6/18/2025 7:56 pm
Sample : IL5,32,,0.04 Lot# 11703

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 8525



Manual Peak Response = 8558 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L4.D
Acq On : 18 Jun 2025 08:13 pm
Operator : sv119:slr
Sample : IL4,32,,0.01 Lot# 11704
Misc : WG2080956,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 21:40:07 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	278035	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 98.24%			
9) Naphthalene-d8	2.999	136	1023177	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 96.06%			
18) Acenaphthene-d10	3.981	164	608338	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 95.97%			
23) Phenanthrene-d10	4.823	188	1311266	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 95.73%			
33) Chrysene-d12	6.399	240	1354251	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 104.41%			
38) Perylene-d12	7.675	264	1250121	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 99.30%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	785M2	10.053	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
4) Phenol-d6	2.131	99	1074	10.593	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.53%#			
8) Nitrobenzene-d5	2.612	82	833	9.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
14) 2-Fluorobiphenyl	3.598	172	2420	10.454	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.05%#			
22) 2,4,6-Tribromophenol	4.426	330	308	10.093	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
32) 4-Terphenyl-d14	5.741	244	3126	10.603	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.06%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.292	74	2683	58.334	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.191	93	856	10.462	ng/ml	97
6) n-nitrosodi-n-propylamine	2.529	70	602	9.786	ng/ml#	89
7) Hexachloroethane	2.592	117	399	10.812	ng/ml	93
10) Naphthalene	3.011	128	2740	10.221	ng/ml	98
11) Hexachlorobutadiene	3.083	225	525	9.891	ng/ml	98
12) 2-Methylnaphthalene	3.393	142	1766	9.935	ng/ml	99
13) 1-Methylnaphthalene	3.448	142	1874	10.197	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	2037	10.218	ng/ml	99
16) 2,6-Dinitrotoluene	3.854	165	398	9.815	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L4.D
Acq On : 18 Jun 2025 08:13 pm
Operator : sv119:slr
Sample : IL4,32,,0.01 Lot# 11704
Misc : WG2080956,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 21:40:07 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:03 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17) Acenaphthylene	3.898	152	3286	9.916	ng/ml	98
19) Acenaphthene	3.998	153	2021	10.002	ng/ml	96
20) 2,4-Dinitrotoluene	4.083	165	490	9.138	ng/ml	96
21) Fluorene	4.289	166	2438	10.085	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.316	198	195	25.321	ng/ml	92
25) Hexachlorobenzene	4.608	284	823	10.141	ng/ml	97
26) Pentachlorophenol	4.717	266	568	15.087	ng/ml	99
27) Phenanthrene	4.836	178	3882	9.962	ng/ml	97
28) Anthracene	4.864	178	3837	10.093	ng/ml	99
29) Fluoranthene	5.517	202	4779	10.083	ng/ml	97
30) Pyrene	5.648	202	4916	10.052	ng/ml	100
31) Benzidine	5.591	184	370	262.981	ng/mL#	58
34) Benzo[a]anthracene	6.393	228	8308	9.874	ng/ml#	88
35) 3,3'-Dichlorobenzidine	6.371	252	1286	7.272	ng/ml#	98
36) Chrysene	6.413	228	4503	10.114	ng/ml	96
37) Bis(2-ethylhexyl)phtha...	6.412	149	1826M1	32.605	ng/ml	
39) Benzo[b]fluoranthene	7.276	252	3331	8.841	ng/ml	98
40) Benzo[k]fluoranthene	7.302	252	3656M4	9.188	ng/ml	
41) Benzo[a]pyrene	7.604	252	2947	8.595	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.954	276	2181	10.780	ng/ml	100
43) Dibenzo[a,h]anthracene	8.993	278	1820M6	10.337	ng/ml	
44) Benzo[g,h,i]perylene	9.314	276	2525	34.599	ng/ml	99

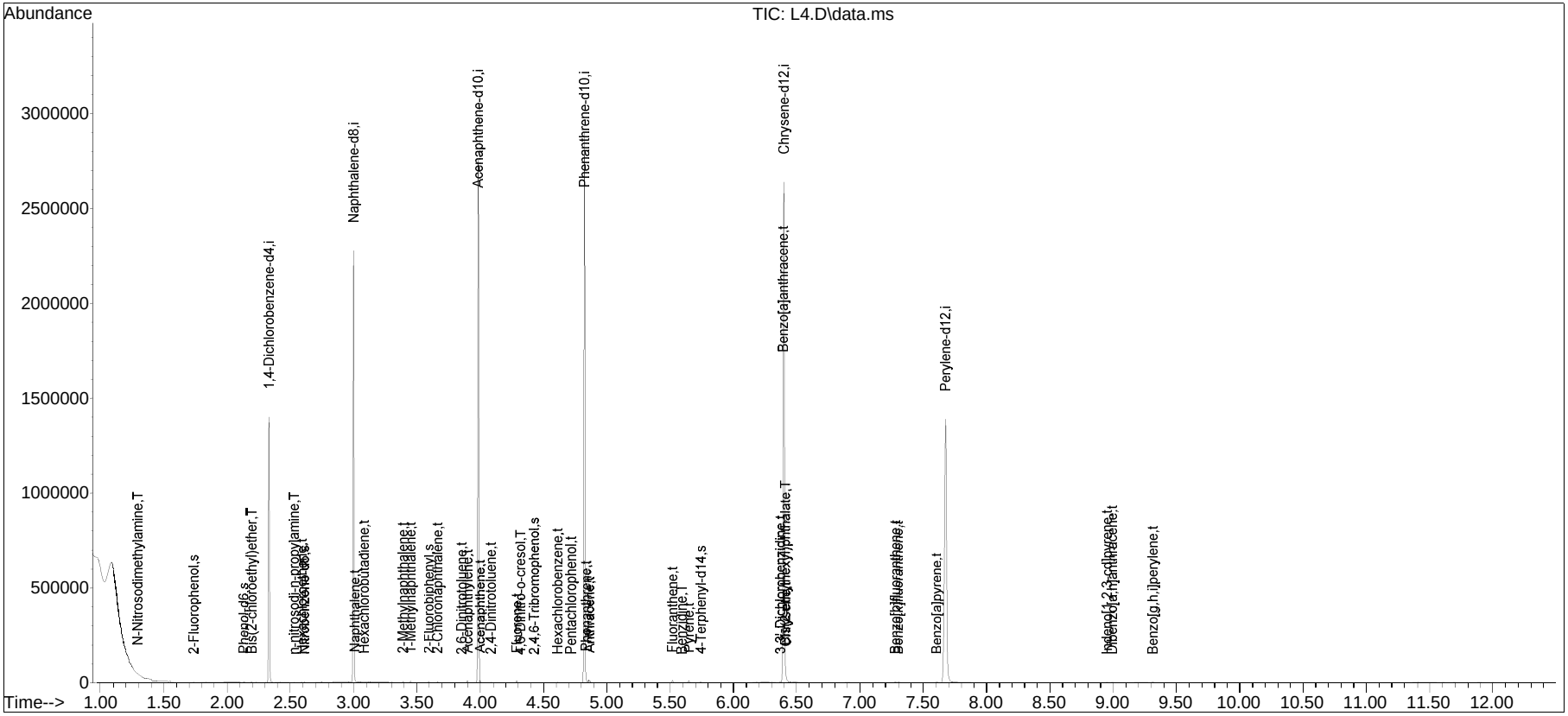
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L4.D
Acq On : 18 Jun 2025 08:13 pm
Operator : sv119:slr
Sample : IL4,32,,0.01 Lot# 11704
Misc : WG2080956,,ical
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 21:40:07 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:03 2025
Response via : Initial Calibration

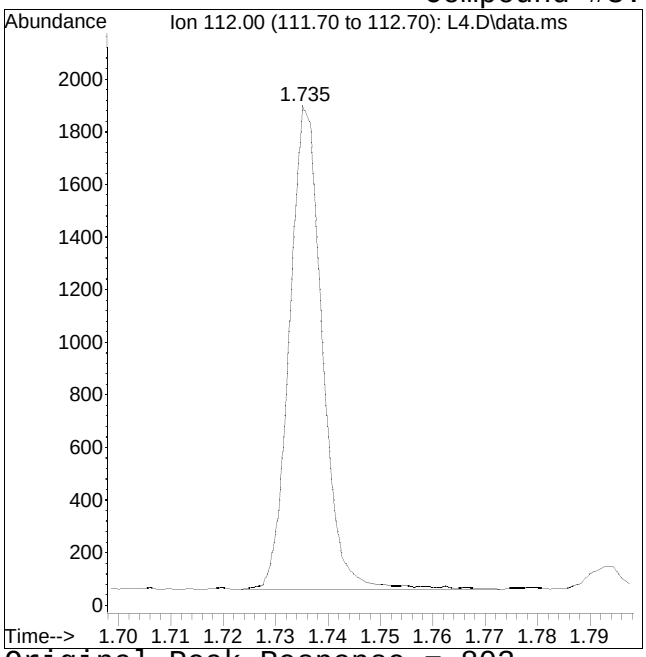
Sub List : Default - All compounds listedical\L8.D•



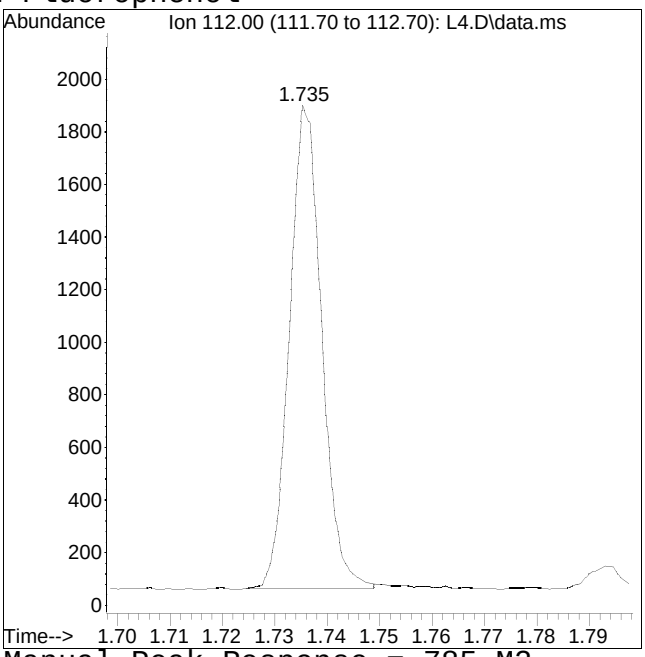
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L4.D Operator : sv119:slr
Date Inj'd : 6/18/2025 8:13 pm Instrument : SV119
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 6/18/2025 9:41 pm

Compound #3: 2-Fluorophenol



Original Peak Response = 803



Manual Peak Response = 785 M2

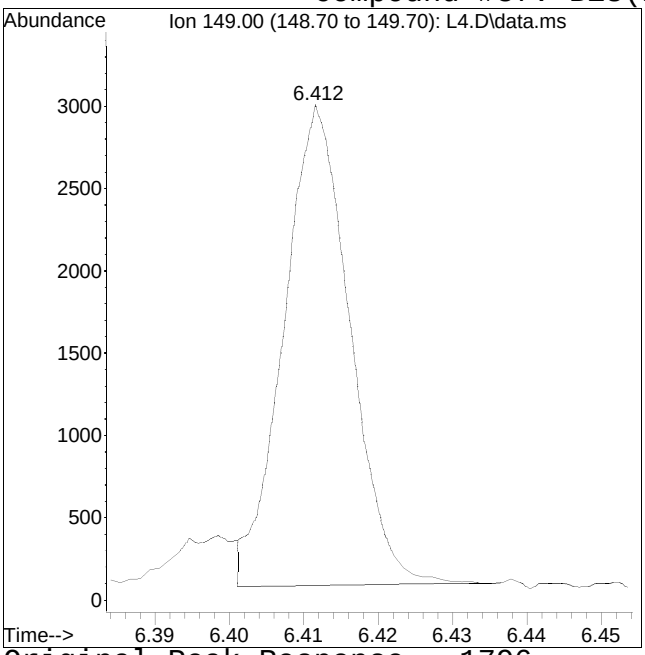
M2 = Peak not found by automatic integration algorithm.

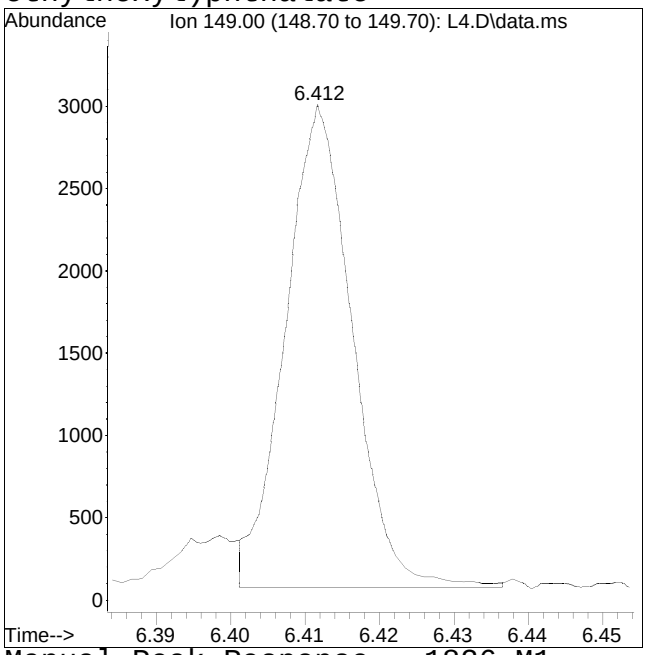
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #37: Bis(2-ethylhexyl)phthalate





Original Peak Response = 1796 Manual Peak Response = 1826 M1

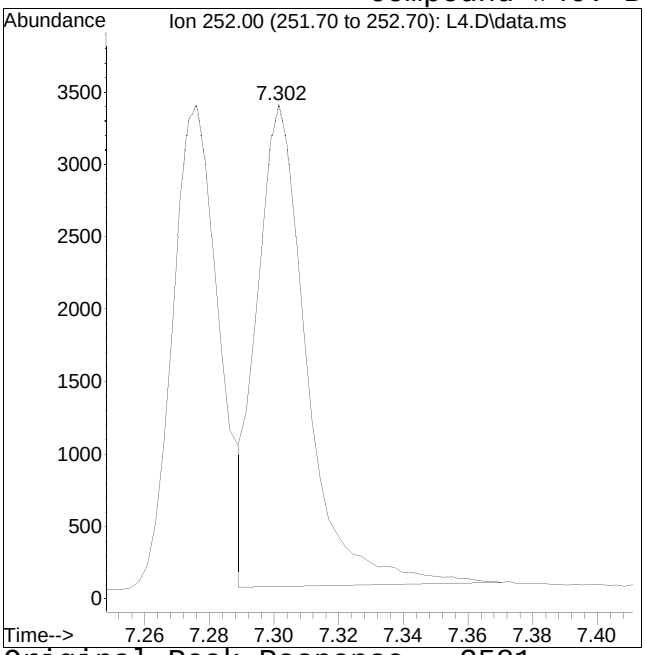
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

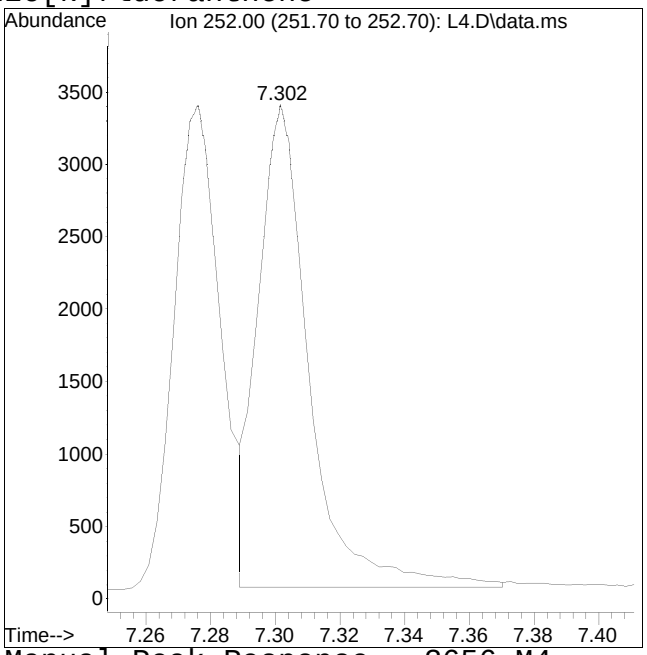
Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 3581



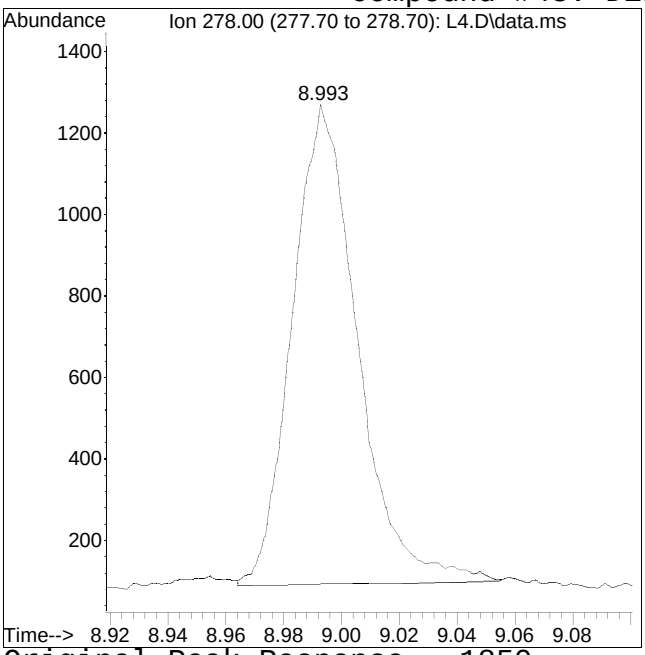
Manual Peak Response = 3656 M4

M4 = Poor automated baseline construction.

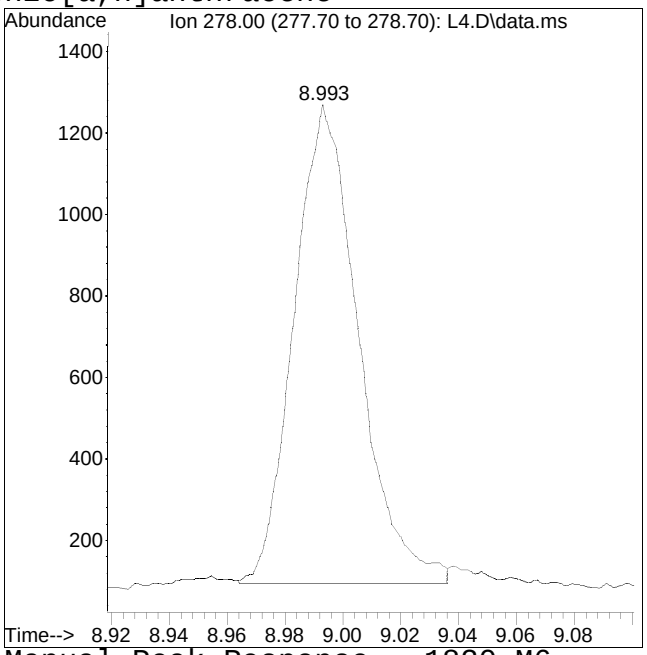
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1850



Manual Peak Response = 1820 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L3.D
Acq On : 18 Jun 2025 08:30 pm
Operator : sv119:slr
Sample : IL3,32,,0.005 Lot# 11705
Misc : WG2080956,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 10:21:51 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	276484	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 97.69%			
9) Naphthalene-d8	3.000	136	1021288	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 95.88%			
18) Acenaphthene-d10	3.980	164	605614	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 95.54%			
23) Phenanthrene-d10	4.823	188	1298207	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 94.78%			
33) Chrysene-d12	6.400	240	1319201	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 101.70%			
38) Perylene-d12	7.679	264	1216873	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 96.66%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	400	5.151	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#			
4) Phenol-d6	2.133	99	477	4.731	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
8) Nitrobenzene-d5	2.611	82	417	5.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.50%#			
14) 2-Fluorobiphenyl	3.598	172	1214	5.254	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.53%#			
22) 2,4,6-Tribromophenol	4.425	330	152	5.003	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#			
32) 4-Terphenyl-d14	5.742	244	1507	5.163	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.52%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	2.531	70	309	5.051	ng/ml#	67
7) Hexachloroethane	2.592	117	180	4.905	ng/ml	96
10) Naphthalene	3.011	128	1429	5.340	ng/ml	97
11) Hexachlorobutadiene	3.083	225	280	5.285	ng/ml	99
12) 2-Methylnaphthalene	3.393	142	924	5.208	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	958	5.223	ng/ml	99
15) 2-Chloronaphthalene	3.665	162	1010	5.076	ng/ml	97
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.899	152	1650	4.988	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L3.D
Acq On : 18 Jun 2025 08:30 pm
Operator : sv119:slr
Sample : IL3,32,,0.005 Lot# 11705
Misc : WG2080956,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 10:21:51 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:57 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.997	153	1002	4.981	ng/ml	93
20) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
21) Fluorene	4.290	166	1224	5.086	ng/ml	99
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
25) Hexachlorobenzene	4.606	284	407	5.065	ng/ml	93
26) Pentachlorophenol	4.718	266	403M1	11.389	ng/ml	
27) Phenanthrene	4.835	178	1965	5.093	ng/ml	94
28) Anthracene	4.864	178	1902	5.053	ng/ml	99
29) Fluoranthene	5.517	202	2333	4.972	ng/ml	97
30) Pyrene	5.649	202	2455	5.071	ng/ml	100
31) Benzidine	5.592	184	349	262.919	ng/mL#	73
34) Benzo[a]anthracene	6.397	228	5998	5.332	ng/ml#	83
35) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36) Chrysene	6.414	228	2025	4.669	ng/ml	99
37) Bis(2-ethylhexyl)phtha...	6.414	149	981	29.547	ng/ml	96
39) Benzo[b]fluoranthene	7.280	252	1517	4.136	ng/ml	98
40) Benzo[k]fluoranthene	7.305	252	1611M6	4.159	ng/ml	
41) Benzo[a]pyrene	7.608	252	1328	3.979	ng/ml	98
42) Indeno[1,2,3-cd]pyrene	8.958	276	957	7.543	ng/ml	98
43) Dibenzo[a,h]anthracene	8.996	278	811	7.526	ng/ml	96
44) Benzo[g,h,i]perylene	9.320	276	1075M6	30.943	ng/ml	

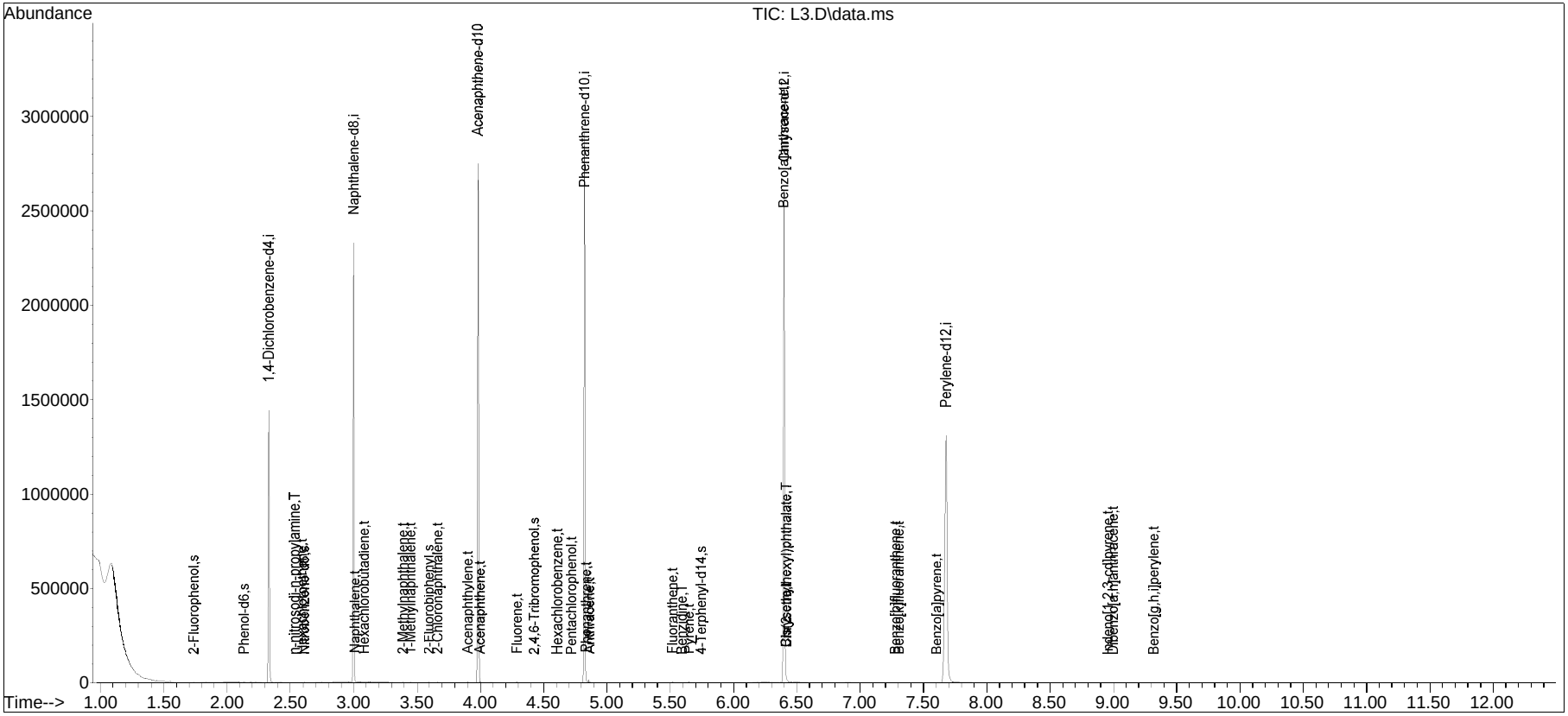
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L3.D
Acq On : 18 Jun 2025 08:30 pm
Operator : sv119:slr
Sample : IL3,32,,0.005 Lot# 11705
Misc : WG2080956,,ical
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 10:21:51 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:57 2025
Response via : Initial Calibration

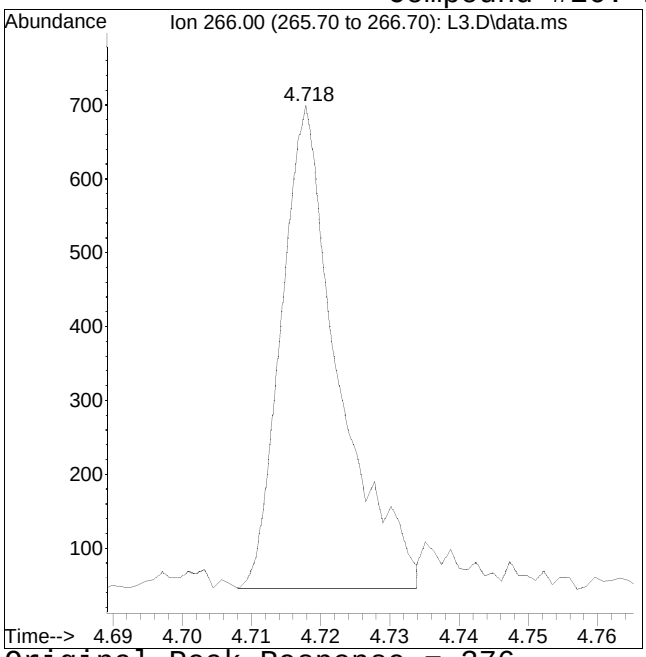
Sub List : Default - All compounds listedical\L8.D•

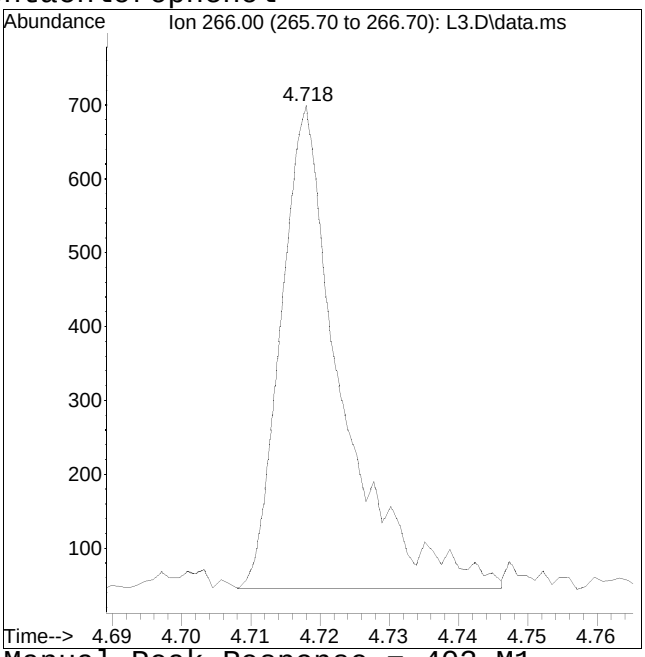


Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L3.D Operator : sv119:slr
Date Inj'd : 6/18/2025 8:30 pm Instrument : SV119
Sample : IL3,32,,0.005 Lot# 11705 Quant Date : 6/18/2025 9:40 pm

Compound #26: Pentachlorophenol



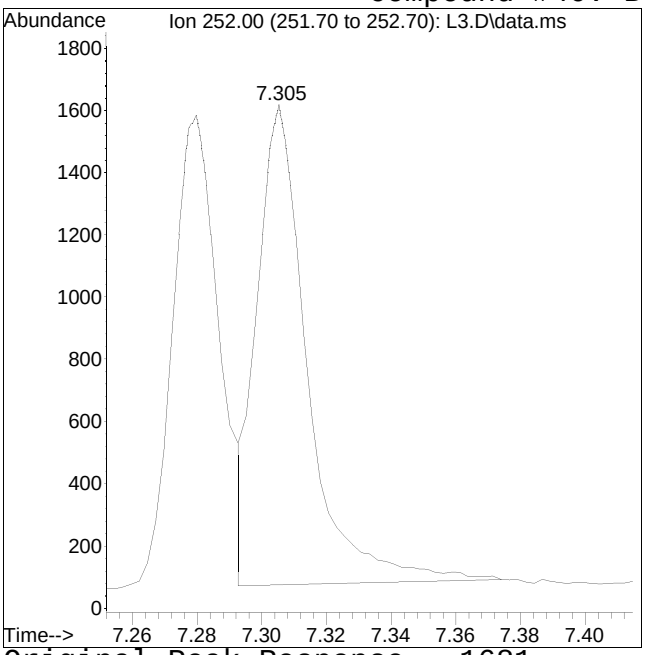


Original Peak Response = 376 Manual Peak Response = 403 M1
M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

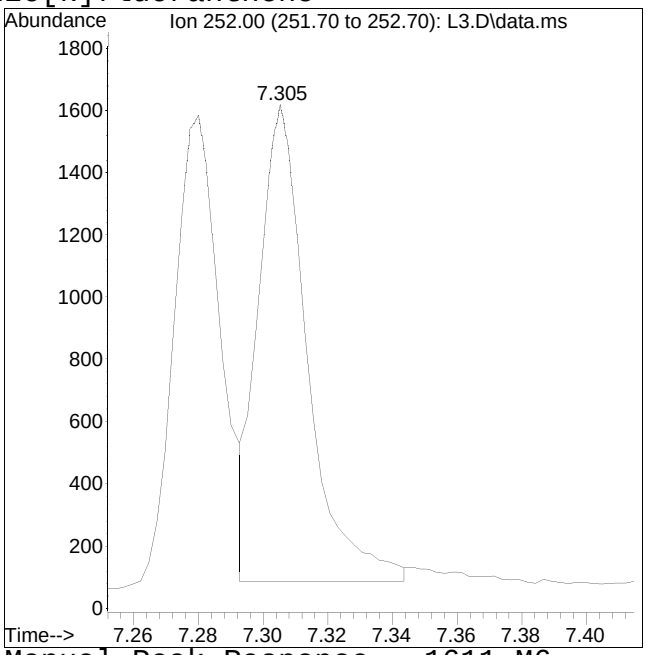
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L3.D
Date Inj'd : 6/18/2025 8:30 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 1681



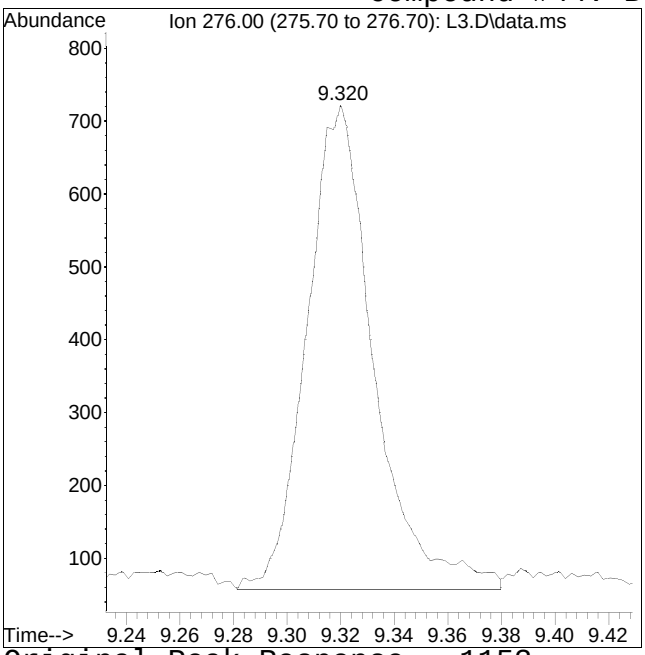
Manual Peak Response = 1611 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

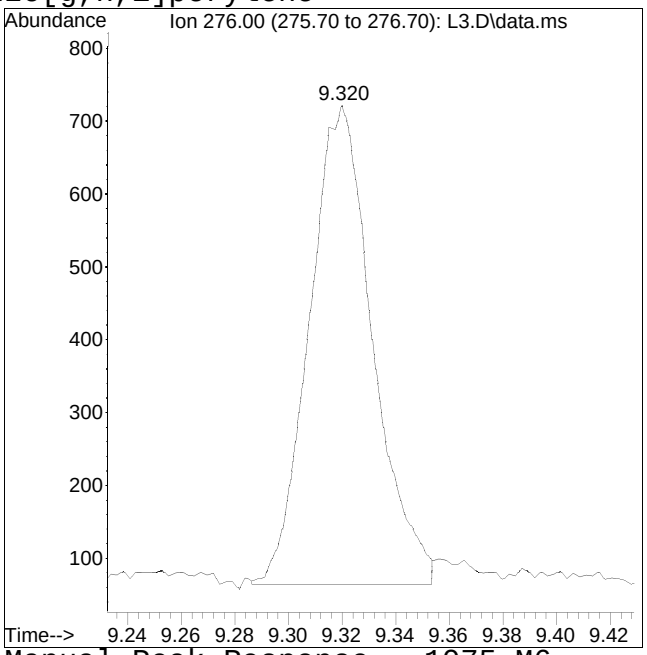
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L3.D
Date Inj'd : 6/18/2025 8:30 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 1153



Manual Peak Response = 1075 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L2.D
Acq On : 18 Jun 2025 08:46 pm
Operator : sv119:slr
Sample : IL2,32,,0.002 Lot# 11706
Misc : WG2080956,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 09:40:27 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:50 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	288059	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 101.78%			
9) Naphthalene-d8	2.999	136	1063485	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 99.84%			
18) Acenaphthene-d10	3.981	164	630794	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 99.51%			
23) Phenanthrene-d10	4.823	188	1349829	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 98.55%			
33) Chrysene-d12	6.399	240	1373262	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 105.87%			
38) Perylene-d12	7.678	264	1261793	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 100.23%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	166	2.052	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
4) Phenol-d6	2.131	99	256	2.437	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.12%#			
8) Nitrobenzene-d5	2.612	82	180	2.077	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
14) 2-Fluorobiphenyl	3.598	172	501	2.082	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
22) 2,4,6-Tribromophenol	4.426	330	60	1.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
32) 4-Terphenyl-d14	5.741	244	665	2.191	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
6) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
7) Hexachloroethane	0.000		0	N.D. d		
10) Naphthalene	3.011	128	604	2.168	ng/ml#	92
11) Hexachlorobutadiene	3.081	225	123	2.229	ng/ml	99
12) 2-Methylnaphthalene	3.393	142	427	2.311	ng/ml	95
13) 1-Methylnaphthalene	3.448	142	413	2.162	ng/ml	98
15) 2-Chloronaphthalene	3.664	162	423M6	2.041	ng/ml	
16) 2,6-Dinitrotoluene	0.000		0	N.D. d		
17) Acenaphthylene	3.898	152	708	2.055	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L2.D
Acq On : 18 Jun 2025 08:46 pm
Operator : sv119:slr
Sample : IL2,32,,0.002 Lot# 11706
Misc : WG2080956,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 09:40:27 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:50 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.998	153	429	2.048	ng/ml	93
20) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
21) Fluorene	4.289	166	513M4	2.047	ng/ml	
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	4.607	284	176	2.107	ng/ml	97
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	4.836	178	883M2	2.201	ng/ml	
28) Anthracene	4.865	178	800	2.044	ng/ml	98
29) Fluoranthene	5.517	202	1000	2.050	ng/ml#	92
30) Pyrene	5.649	202	1036	2.058	ng/ml	99
31) Benzidine	5.591	184	199	262.350	ng/mL#	52
34) Benzo[a]anthracene	0.000		0	N.D.	d	
35) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36) Chrysene	6.413	228	861M4	1.907	ng/ml	
37) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

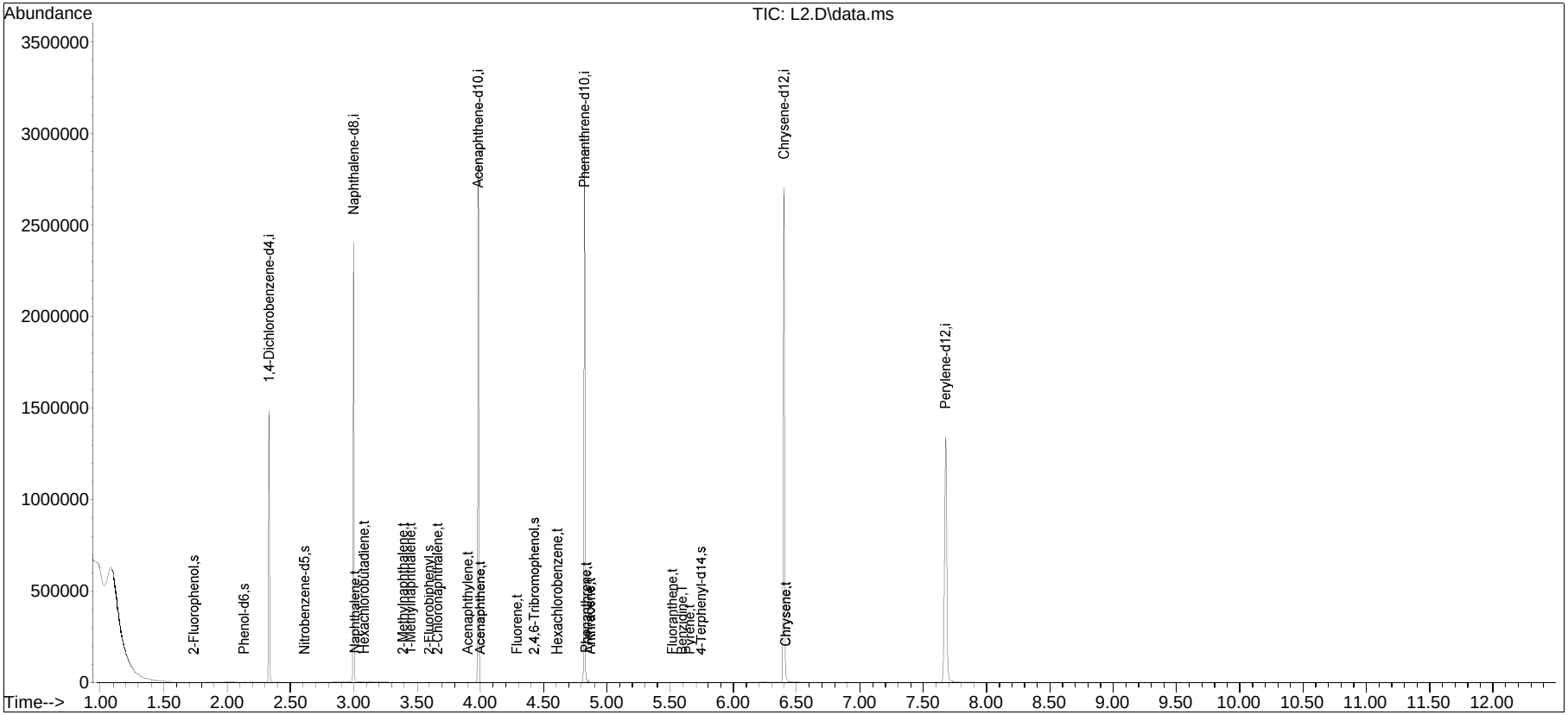
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L2.D
Acq On : 18 Jun 2025 08:46 pm
Operator : sv119:slr
Sample : IL2,32,,0.002 Lot# 11706
Misc : WG2080956,,ical
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 09:40:27 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:50 2025
Response via : Initial Calibration

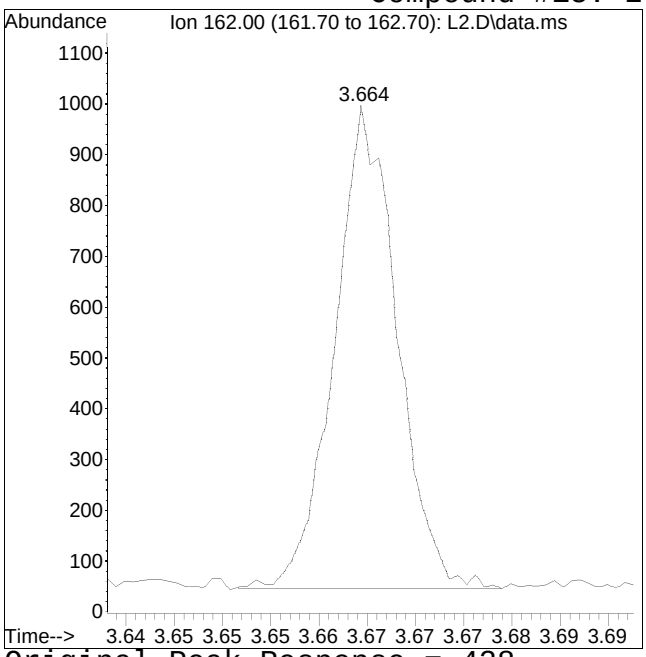
Sub List : Default - All compounds listedical\L8.D•



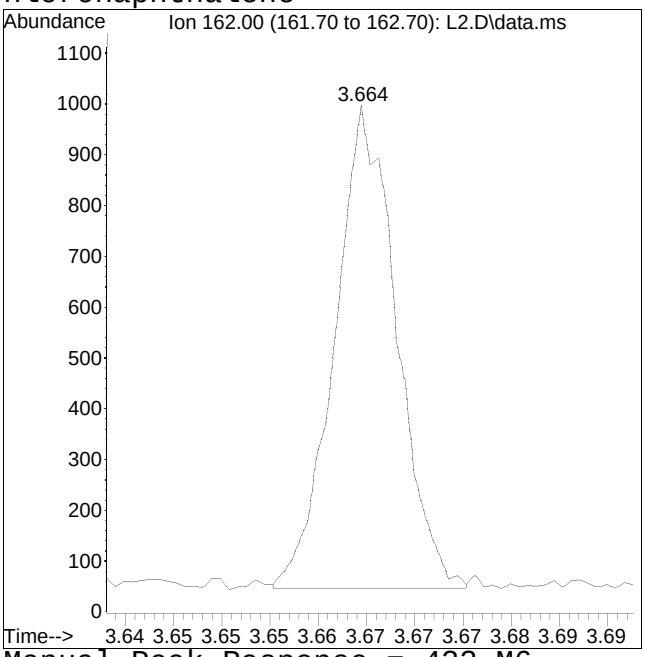
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L2.D Operator : sv119:slr
Date Inj'd : 6/18/2025 8:46 pm Instrument : SV119
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 6/18/2025 9:40 pm

Compound #15: 2-Chloronaphthalene



Original Peak Response = 428



Manual Peak Response = 423 M6

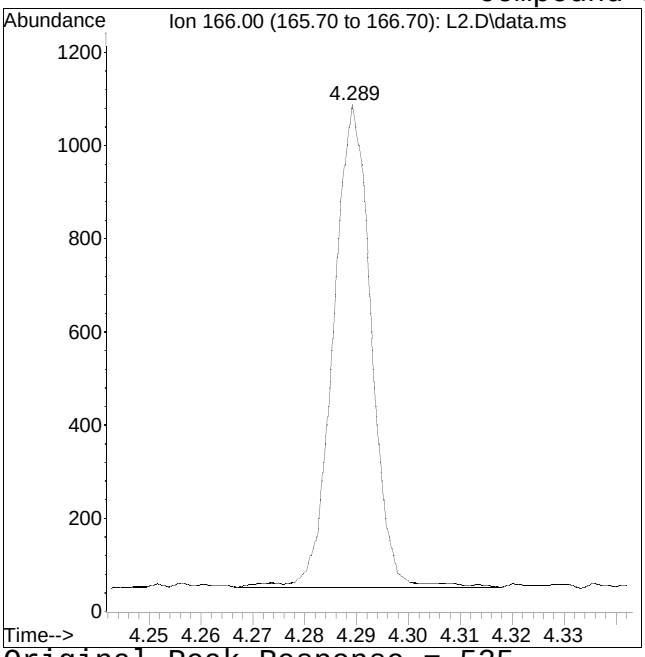
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

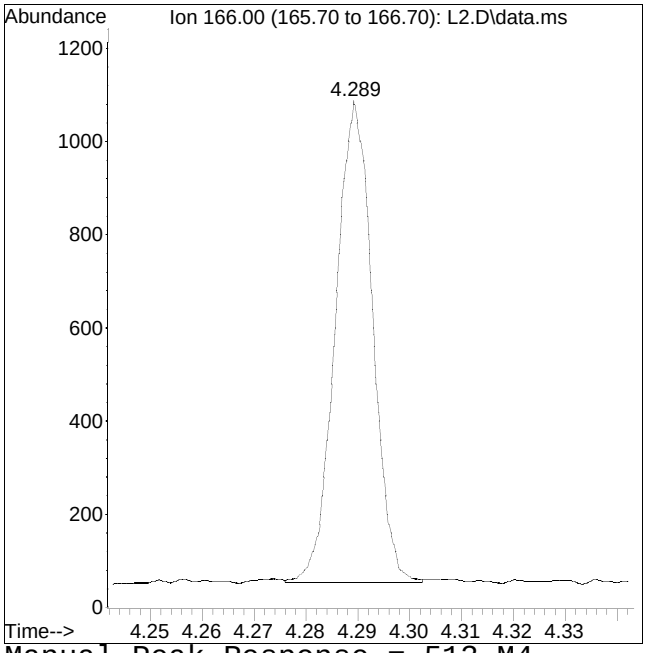
Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L2.D
Date Inj'd : 6/18/2025 8:46 pm
Sample : IL2,32,,0.002 Lot# 11706

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #21: Fluorene



Original Peak Response = 525



Manual Peak Response = 513 M4

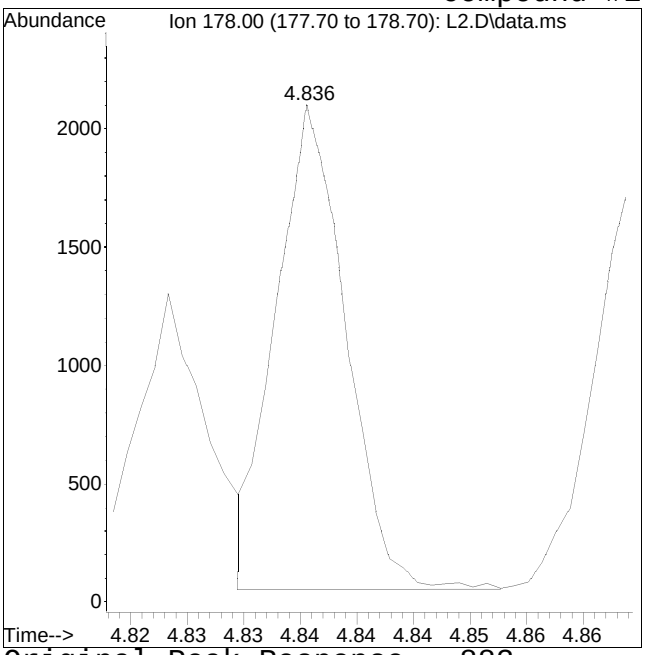
M4 = Poor automated baseline construction.

Manual Integration Report

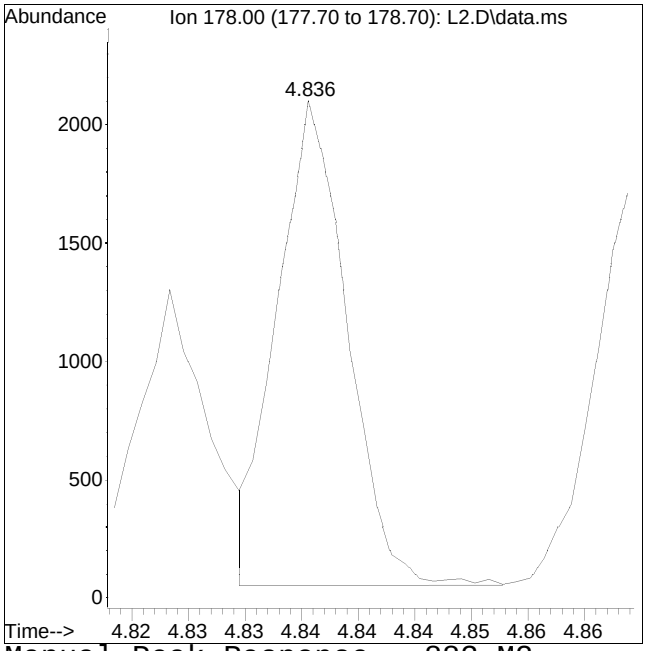
Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L2.D
Date Inj'd : 6/18/2025 8:46 pm
Sample : IL2,32,,0.002 Lot# 11706

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #27: Phenanthrene



Original Peak Response = 883



Manual Peak Response = 883 M2

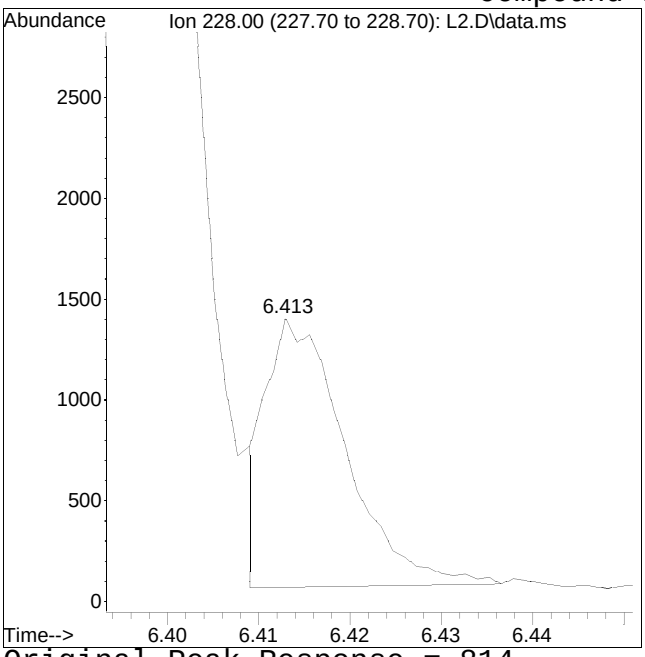
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

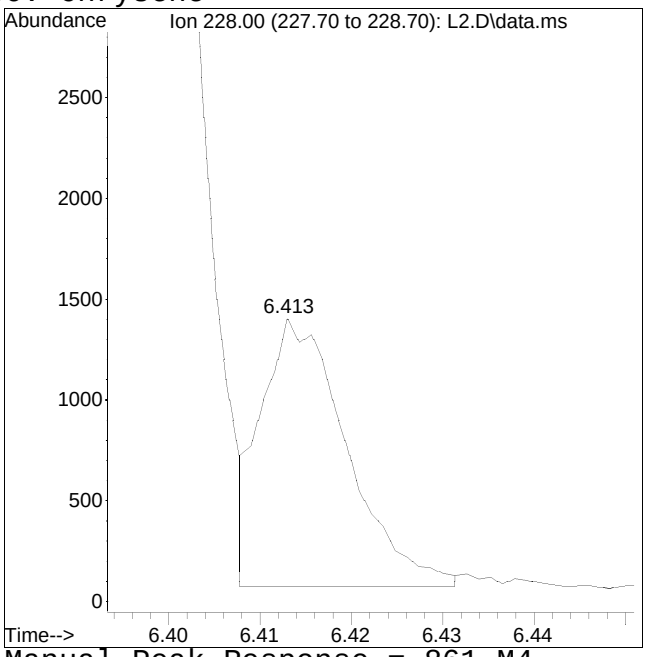
Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L2.D
Date Inj'd : 6/18/2025 8:46 pm
Sample : IL2,32,,0.002 Lot# 11706

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #36: Chrysene



Original Peak Response = 814



Manual Peak Response = 861 M4

M4 = Poor automated baseline construction.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L1.D
Acq On : 18 Jun 2025 09:03 pm
Operator : sv119:slr
Sample : IL1,32,,0.001 Lot# 11707
Misc : WG2080956,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 10:11:46 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:38 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	284249	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 100.43%			
9) Naphthalene-d8	3.000	136	1047772	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 98.37%			
18) Acenaphthene-d10	3.980	164	624767	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 98.56%			
23) Phenanthrene-d10	4.823	188	1338054	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 97.69%			
33) Chrysene-d12	6.396	240	1359881	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 104.84%			
38) Perylene-d12	7.678	264	1248585	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 99.18%			
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
4) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
8) Nitrobenzene-d5	2.609	82	100	1.169	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#			
14) 2-Fluorobiphenyl	3.598	172	274	1.156	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#			
22) 2,4,6-Tribromophenol	4.425	330	42	1.340	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.07%#			
32) 4-Terphenyl-d14	5.740	244	340	1.130	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
13) 1-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.899	152	357	1.052	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L1.D
Acq On : 18 Jun 2025 09:03 pm
Operator : sv119:slr
Sample : IL1,32,,0.001 Lot# 11707
Misc : WG2080956,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 10:11:46 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:38 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.997	153	223	1.075	ng/ml	99
20) 2,4-Dinitrotoluene	0.000		0	N.D.	d	
21) Fluorene	4.288	166	261	1.051	ng/ml	95
24) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
25) Hexachlorobenzene	4.605	284	106	1.280	ng/ml#	71
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	4.834	178	479M6	1.205	ng/ml	
28) Anthracene	4.865	178	396	1.021	ng/ml#	88
29) Fluoranthene	5.517	202	526	1.088	ng/ml	95
30) Pyrene	5.649	202	537	1.076	ng/ml	100
31) Benzidine	5.592	184	154	262.199	ng/mL#	35
34) Benzo[a]anthracene	0.000		0	N.D.	d	
35) 3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36) Chrysene	6.413	228	404M1	0.904	ng/ml	
37) Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	7.277	252	274	0.728	ng/ml	100
40) Benzo[k]fluoranthene	7.302	252	287M4	0.722	ng/ml	
41) Benzo[a]pyrene	7.607	252	246	0.718	ng/ml	97
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

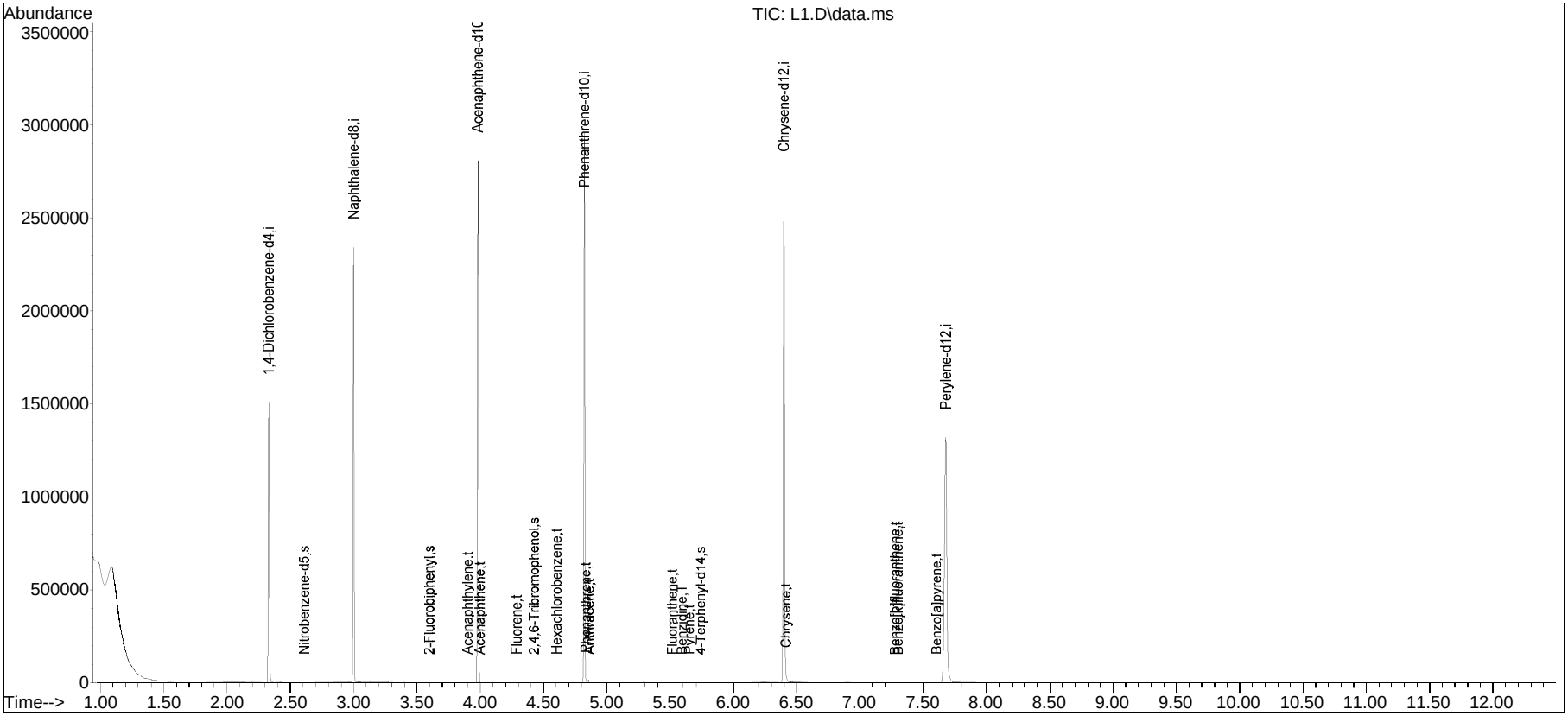
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L1.D
Acq On : 18 Jun 2025 09:03 pm
Operator : sv119:slr
Sample : IL1,32,,0.001 Lot# 11707
Misc : WG2080956,,ical
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 10:11:46 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:38 2025
Response via : Initial Calibration

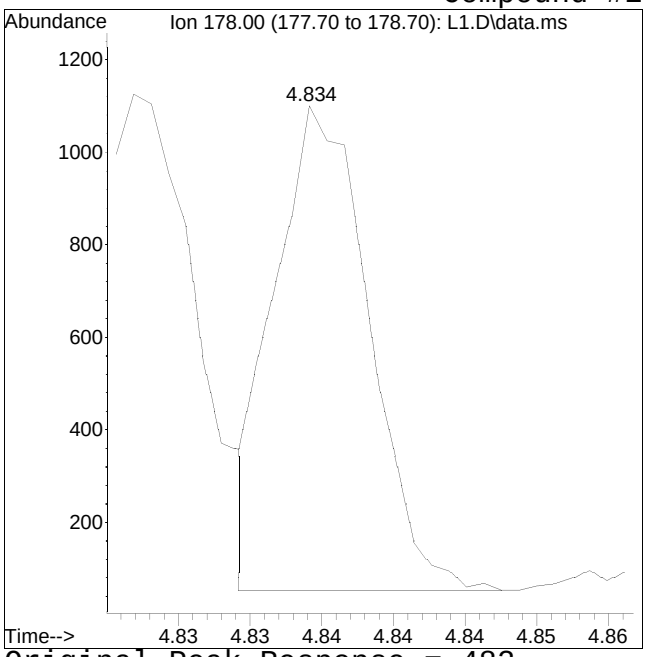
Sub List : Default - All compounds listedical\L8.D•



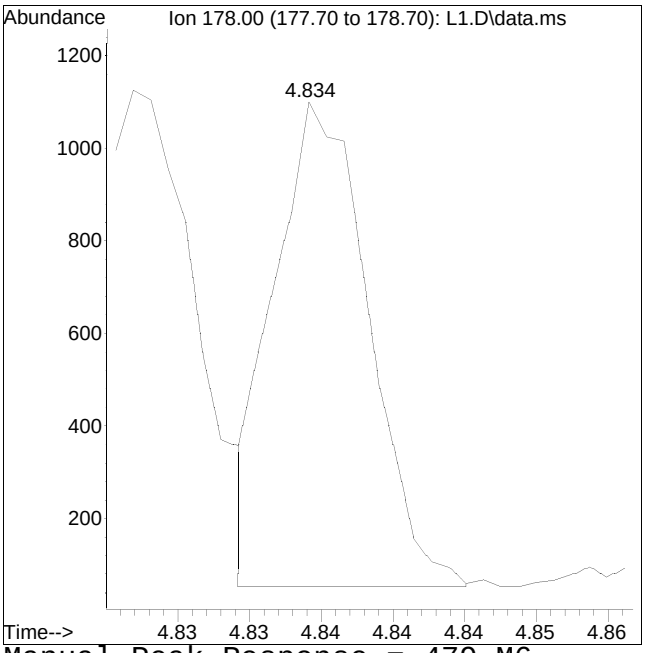
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L1.D Operator : sv119:slr
Date Inj'd : 6/18/2025 9:03 pm Instrument : SV119
Sample : IL1,32,,0.001 Lot# 11707 Quant Date : 6/18/2025 9:40 pm

Compound #27: Phenanthrene



Original Peak Response = 482



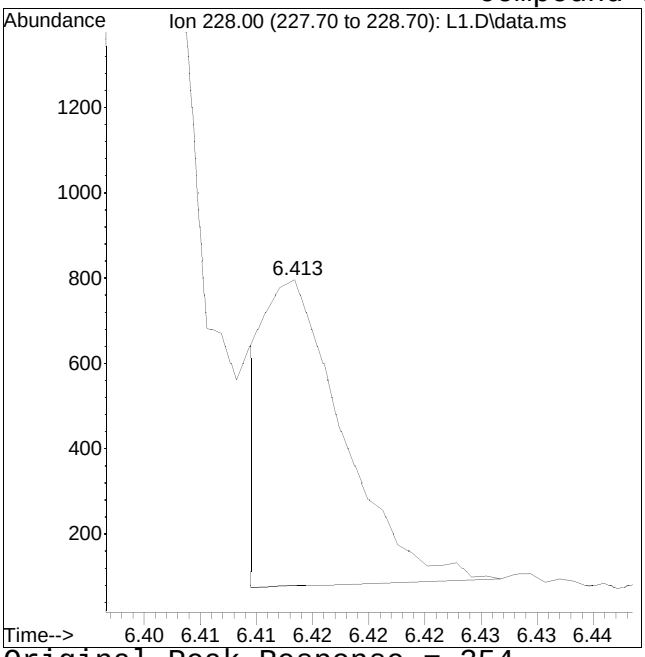
Manual Peak Response = 479 M6

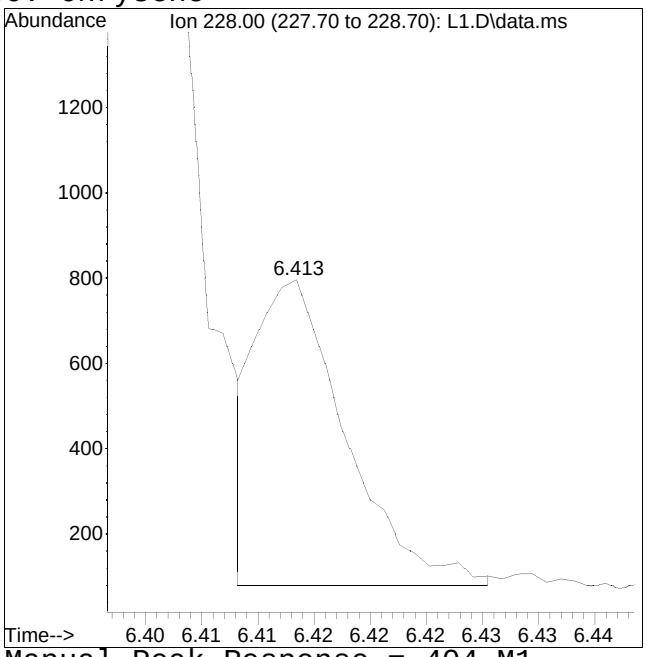
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L1.D
Date Inj'd : 6/18/2025 9:03 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #36: Chrysene





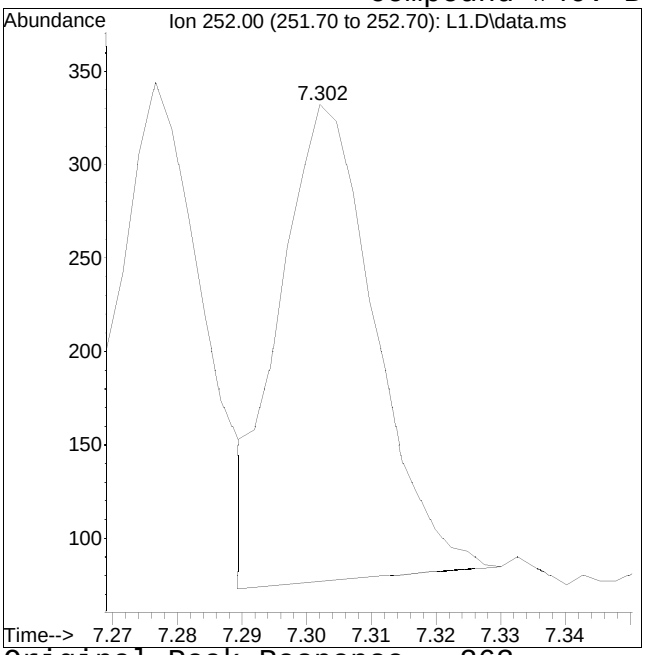
Original Peak Response = 354 Manual Peak Response = 404 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

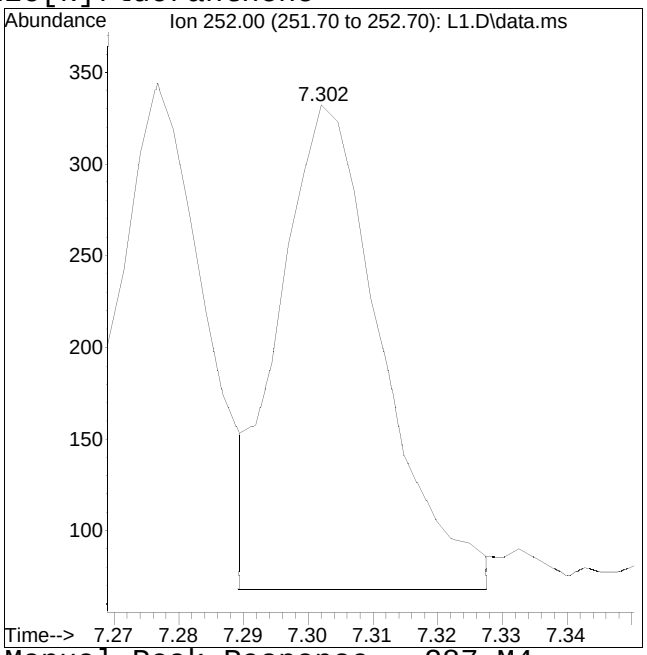
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : L1.D
Date Inj'd : 6/18/2025 9:03 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 263



Manual Peak Response = 287 M4

M4 = Poor automated baseline construction.

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : ICV.D
Acq On : 18 Jun 2025 09:19 pm
Operator : sv119:slr
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2080956,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 19 10:23:45 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2	T	N-Nitrosodimethylamine	0.662	0.653	1.4	94	0.00
3	s	2-Fluorophenol	1.123	1.213	-8.0	101	0.00
4	s	Phenol-d6	1.459	1.496	-2.5	100	0.00
5	T	Bis(2-chloroethyl)ether	1.177	1.128	4.2	90	0.00
6	T	n-nitrosodi-n-propylamine	0.885	0.849	4.1	91	0.00
7	t	Hexachloroethane	0.531	0.509	4.1	91	0.00
8	s	Nitrobenzene-d5	1.203	1.160	3.6	91	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	93	0.00
10	t	Naphthalene	1.048	0.995	5.1	91	0.00
11	t	Hexachlorobutadiene	0.208	0.197	5.3	90	0.00
12	t	2-Methylnaphthalene	0.695	0.671	3.5	93	0.00
13	t	1-Methylnaphthalene	0.718	0.684	4.7	91	0.00
14	s	2-Fluorobiphenyl	0.905	0.874	3.4	93	0.00
15	t	2-Chloronaphthalene	0.779	0.741	4.9	90	0.00
16	t	2,6-Dinitrotoluene	0.159	0.150	5.7	89	0.00
17	t	Acenaphthylene	1.296	1.247	3.8	91	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	93	0.00
19	t	Acenaphthene	1.329	1.270	4.4	90	0.00
20	t	2,4-Dinitrotoluene	0.353	0.340	3.7	88	0.00
21	t	Fluorene	1.589	1.536	3.3	91	0.00
22	s	2,4,6-Tribromophenol	0.201	0.215	-7.0	99	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	996.611	0.3	97	0.00
25	t	Hexachlorobenzene	0.248	0.236	4.8	92	0.00
26	t	Pentachlorophenol	*1000.000	941.674	5.8	91	0.00
27	t	Phenanthrene	1.189	1.088	8.5	91	0.00
28	t	Anthracene	1.160	1.120	3.4	91	0.00
29	t	Fluoranthene	1.446	1.386	4.1	93	0.00
30	t	Pyrene	1.492	1.420	4.8	93	0.00
31	T	Benzidine	*1000.000	715.837	28.4	59	0.00
32	s	4-Terphenyl-d14	0.899	0.907	-0.9	96	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	98	0.00
34	t	Benzo[a]anthracene	*1000.000	950.929	4.9	92	0.00
35	t	3,3'-Dichlorobenzidine	0.522	0.505	3.3	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : ICV.D
Acq On : 18 Jun 2025 09:19 pm
Operator : sv119:slr
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2080956,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 19 10:23:45 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 30% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.315	1.284	2.4	95	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	798.190	20.2	86	0.00
38	i	Perylene-d12	1.000	1.000	0.0	97	0.00
39	t	Benzo[b]fluoranthene	1.206	1.182	2.0	88	0.00
40	t	Benzo[k]fluoranthene	1.273	1.378	-8.2	97	0.00
41	t	Benzo[a]pyrene	1.097	1.119	-2.0	89	0.00
42	t	Indeno[1,2,3-cd]pyrene	*1000.000	720.479	28.0	72	0.00
43	t	Dibenzo[a,h]anthracene	*1000.000	777.960	22.2	77	0.00
44	t	Benzo[g,h,i]perylene	*1000.000	866.845	13.3	86	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : ICV.D
Acq On : 18 Jun 2025 09:19 pm
Operator : sv119:slr
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2080956,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 19 10:23:45 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	264344	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 93.40%			
9) Naphthalene-d8	2.999	136	990142	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 92.96%			
18) Acenaphthene-d10	3.981	164	591092	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 93.25%			
23) Phenanthrene-d10	4.823	188	1293806	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 94.46%			
33) Chrysene-d12	6.401	240	1270687	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 97.96%			
38) Perylene-d12	7.679	264	1226646	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 97.44%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	80193	1080.132	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.01%			
4) Phenol-d6	2.134	99	98876	1025.712	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.29%			
8) Nitrobenzene-d5	2.611	82	76670	964.151	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.42%			
14) 2-Fluorobiphenyl	3.598	172	216409	966.029	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.60%			
22) 2,4,6-Tribromophenol	4.426	330	31729	1070.040	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.50%			
32) 4-Terphenyl-d14	5.741	244	293412	1008.650	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.87%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.290	74	43143	986.600	ng/mL	95
5) Bis(2-chloroethyl)ether	2.191	93	74522	957.942	ng/ml	100
6) n-nitrosodi-n-propylamine	2.530	70	56112	959.430	ng/ml	100
7) Hexachloroethane	2.592	117	33605	957.770	ng/ml	99
10) Naphthalene	3.011	128	246391	949.755	ng/ml	100
11) Hexachlorobutadiene	3.083	225	48660	947.305	ng/ml	100
12) 2-Methylnaphthalene	3.393	142	166175	965.997	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	169347	952.252	ng/ml	100
15) 2-Chloronaphthalene	3.665	162	183338	950.319	ng/ml	100
16) 2,6-Dinitrotoluene	3.855	165	37081	944.978	ng/ml	96
17) Acenaphthylene	3.898	152	308774	962.838	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : ICV.D
Acq On : 18 Jun 2025 09:19 pm
Operator : sv119:slr
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2080956,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 19 10:23:45 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19) Acenaphthene	3.999	153	187722	956.124	ng/ml	99
20) 2,4-Dinitrotoluene	4.083	165	50216	963.842	ng/ml	97
21) Fluorene	4.289	166	227045	966.633	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.313	198	28403	996.611	ng/ml	98
25) Hexachlorobenzene	4.607	284	76191	951.454	ng/ml	99
26) Pentachlorophenol	4.716	266	34113	941.674	ng/ml	100
27) Phenanthrene	4.836	178	351900	915.240	ng/ml	100
28) Anthracene	4.864	178	362255	965.755	ng/ml	100
29) Fluoranthene	5.517	202	448243	958.486	ng/ml	100
30) Pyrene	5.650	202	459332	951.926	ng/ml	100
31) Benzidine	5.592	184	125511	715.837	ng/mL	100
34) Benzo[a]anthracene	6.393	228	425906	950.929	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.374	252	160402	966.708	ng/ml	100
36) Chrysene	6.418	228	407877	976.386	ng/ml	99
37) Bis(2-ethylhexyl)phtha...	6.416	149	194001	798.190	ng/ml	100
39) Benzo[b]fluoranthene	7.283	252	362589	980.793	ng/ml	98
40) Benzo[k]fluoranthene	7.308	252	422560M1	1082.321	ng/ml	
41) Benzo[a]pyrene	7.611	252	343068	1019.706	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.968	276	252954	720.479	ng/ml	98
43) Dibenzo[a,h]anthracene	9.006	278	261012M6	777.960	ng/ml	
44) Benzo[g,h,i]perylene	9.327	276	312375	866.845	ng/ml	99

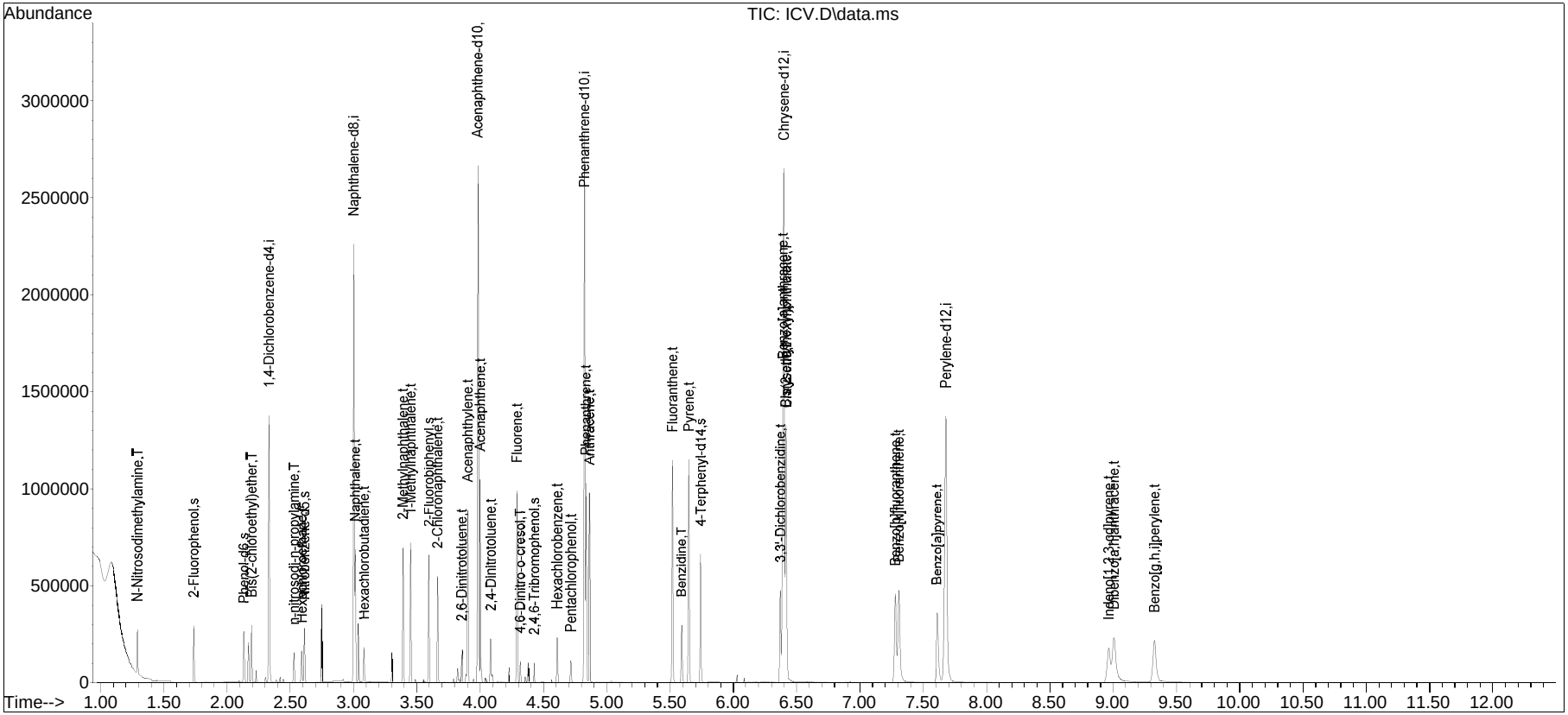
(#) = qualifier out of range (m) = manual integration (+) = signals summed

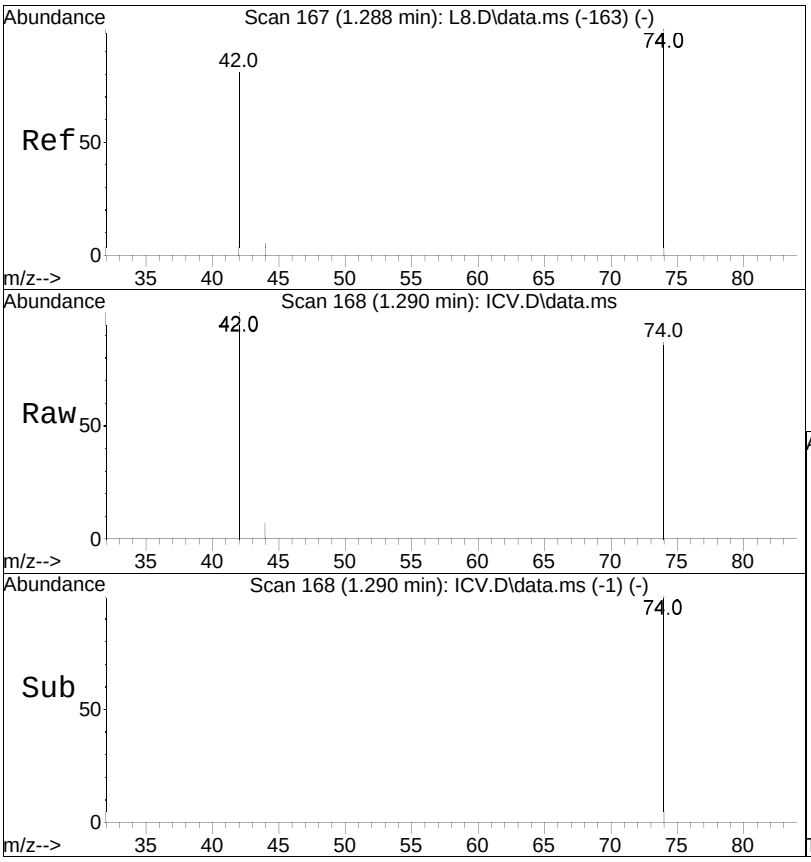
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : ICV.D
Acq On : 18 Jun 2025 09:19 pm
Operator : sv119:slr
Sample : CQICV1,32,,1 Lot# 11696
Misc : WG2080956,,ical
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 19 10:23:45 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

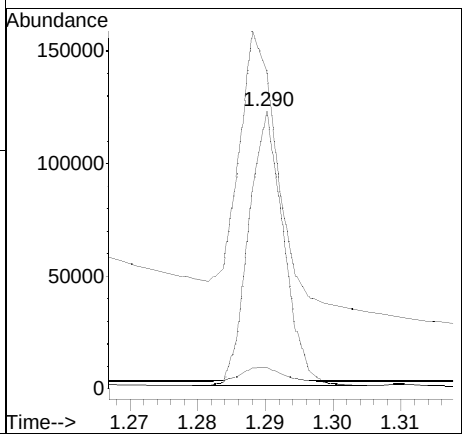


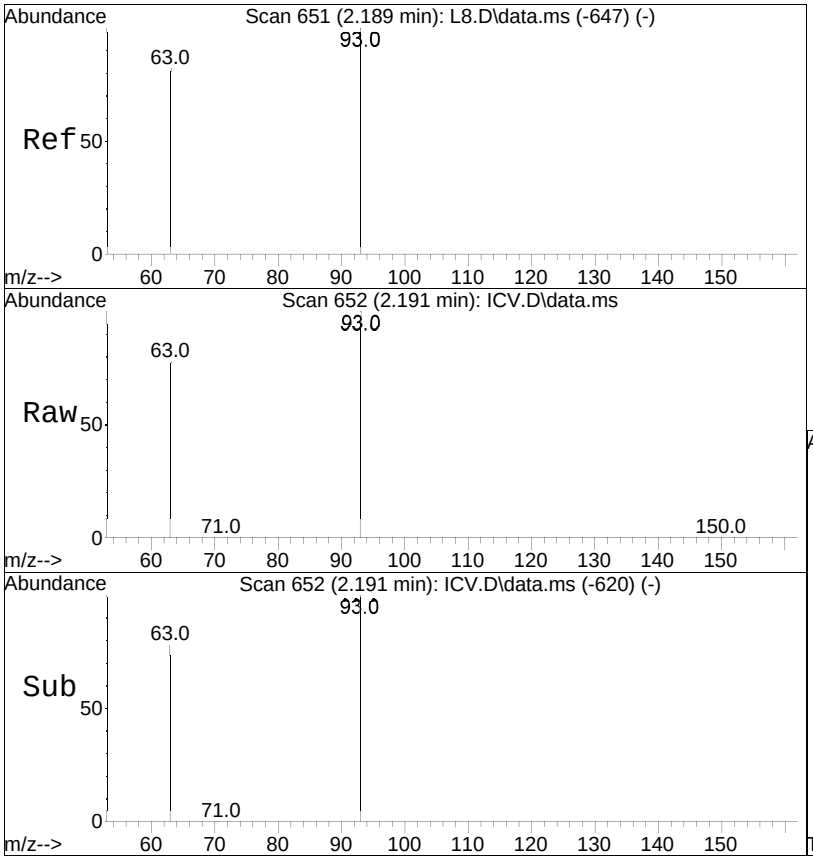


#2
N-Nitrosodimethylamine
Concen: 986.60 ng/mL
RT: 1.290 min Scan# 168
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion: 74 Resp: 43143

Ion	Ratio	Lower	Upper
74	100		
42	378.3	293.4	440.0
44	5.3	4.3	6.5

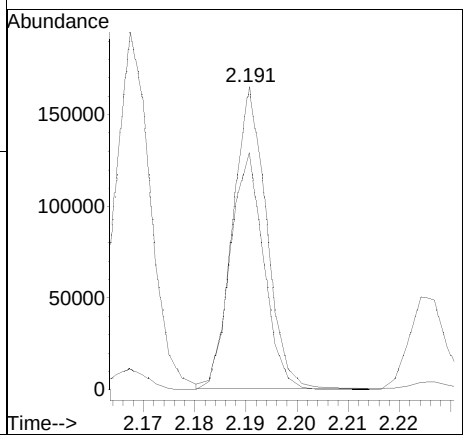


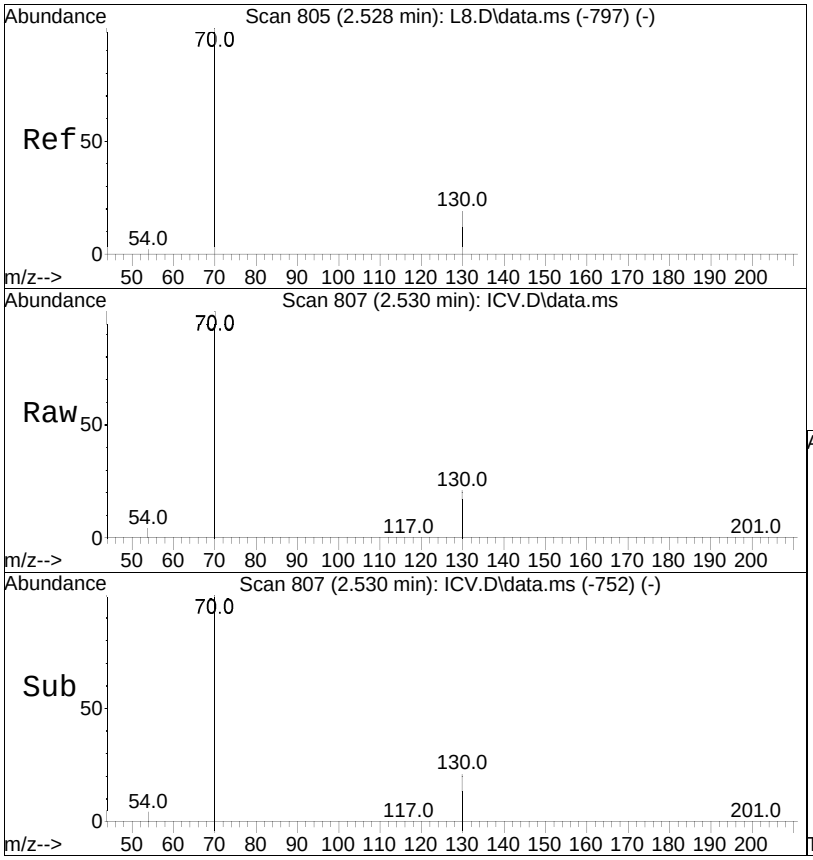


#5
Bis(2-chloroethyl)ether
Concen: 957.94 ng/ml
RT: 2.191 min Scan# 652
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion: 93 Resp: 74522

Ion	Ratio	Lower	Upper
93	100		
63	79.0	62.9	94.3

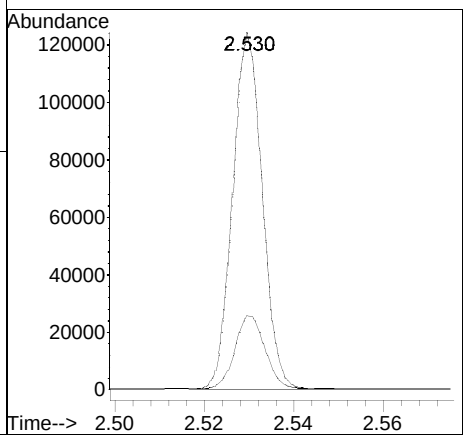


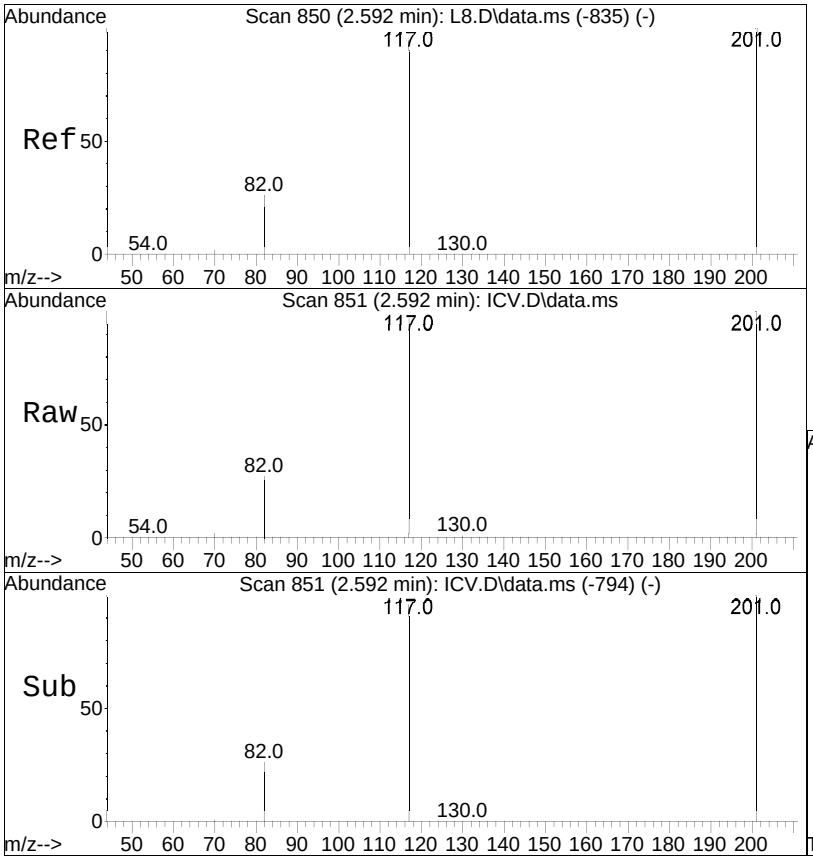


#6
n-nitrosodi-n-propylamine
Concen: 959.43 ng/ml
RT: 2.530 min Scan# 807
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion: 70 Resp: 56112

Ion	Ratio	Lower	Upper
70	100		
130	20.6	16.4	24.6

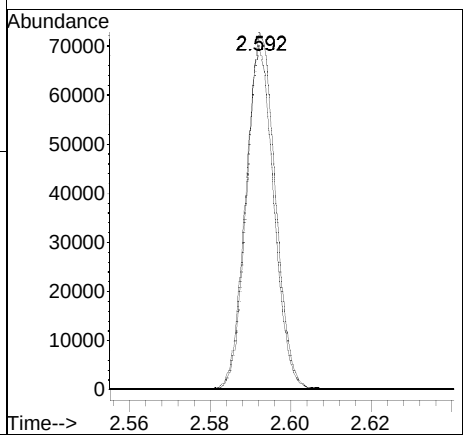


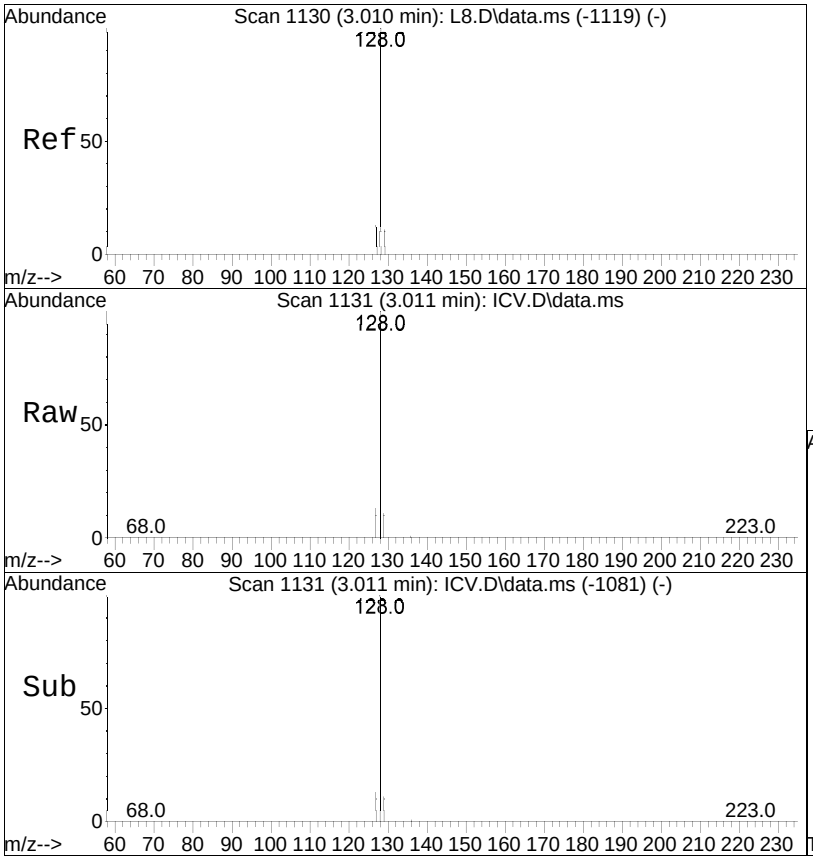


#7
Hexachloroethane
Concen: 957.77 ng/ml
RT: 2.592 min Scan# 851
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:117 Resp: 33605

Ion	Ratio	Lower	Upper
117	100		
201	105.1	82.9	124.3

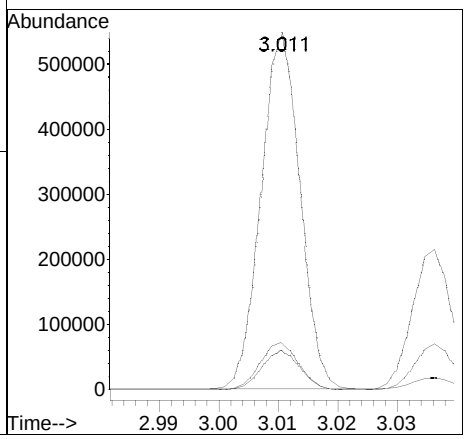


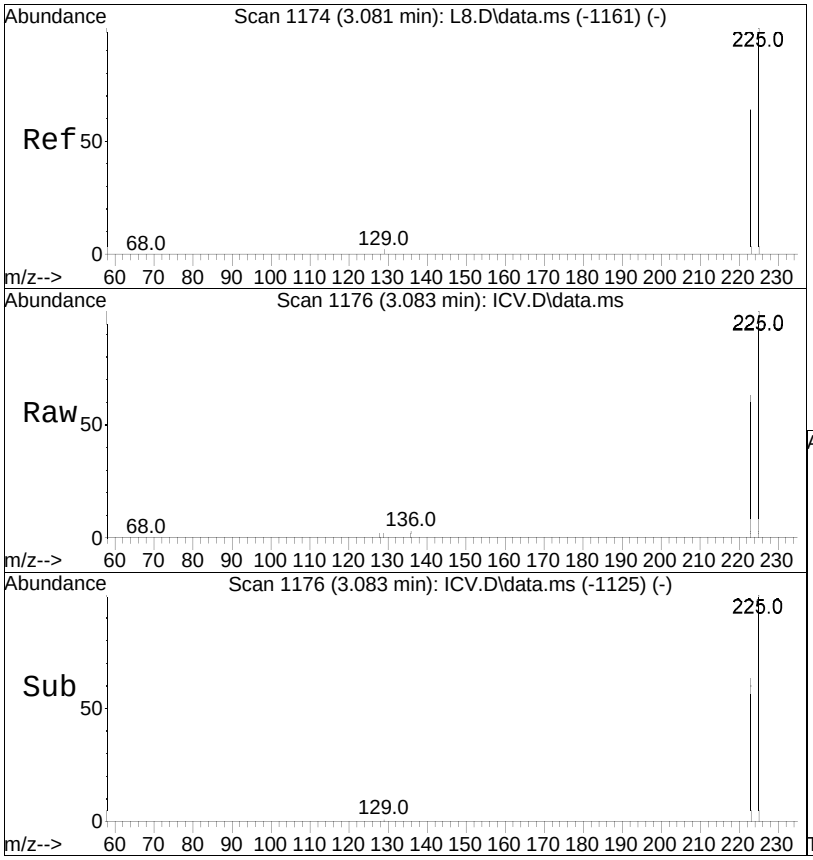


#10
Naphthalene
Concen: 949.76 ng/ml
RT: 3.011 min Scan# 1131
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:128 Resp: 246391

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

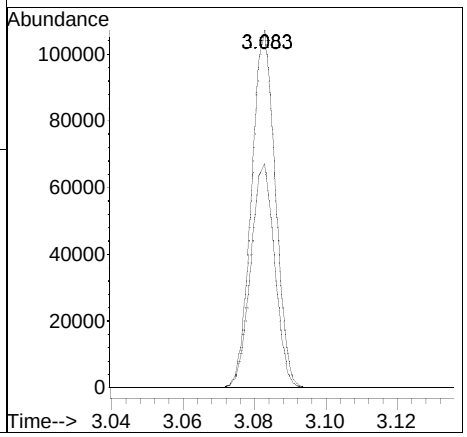


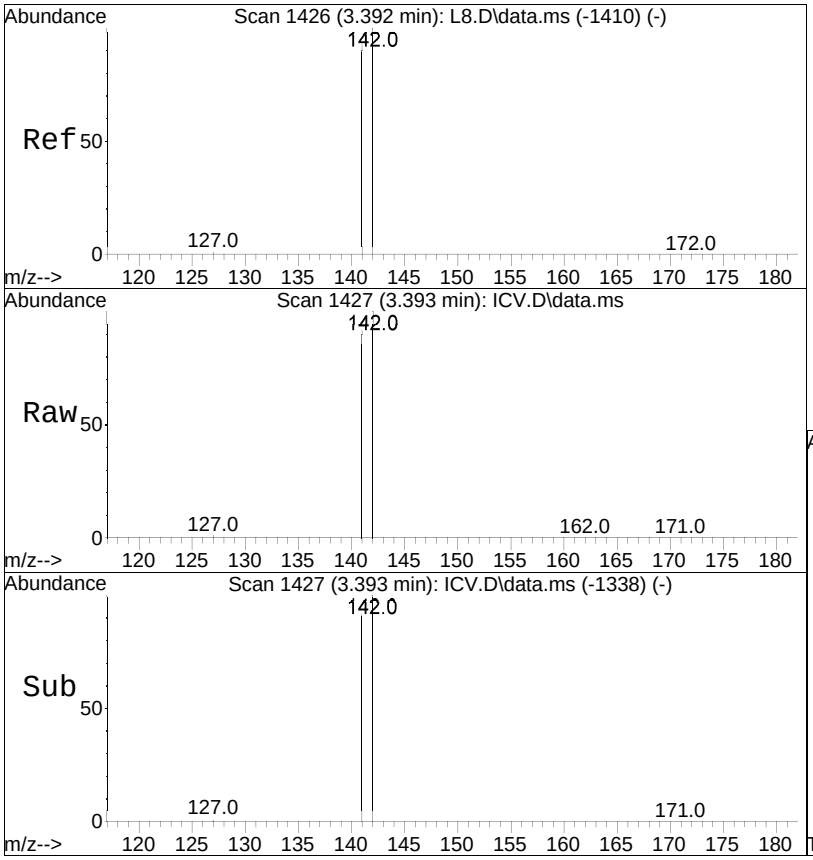


#11
Hexachlorobutadiene
Concen: 947.30 ng/ml
RT: 3.083 min Scan# 1176
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:225 Resp: 48660

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4

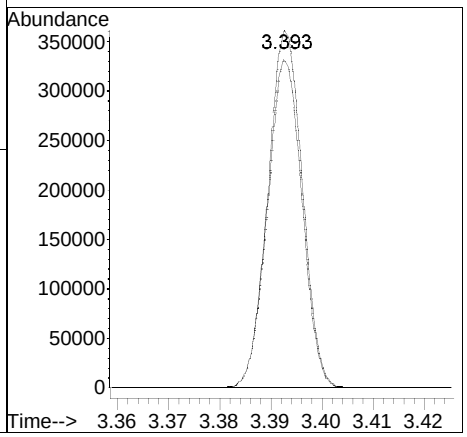


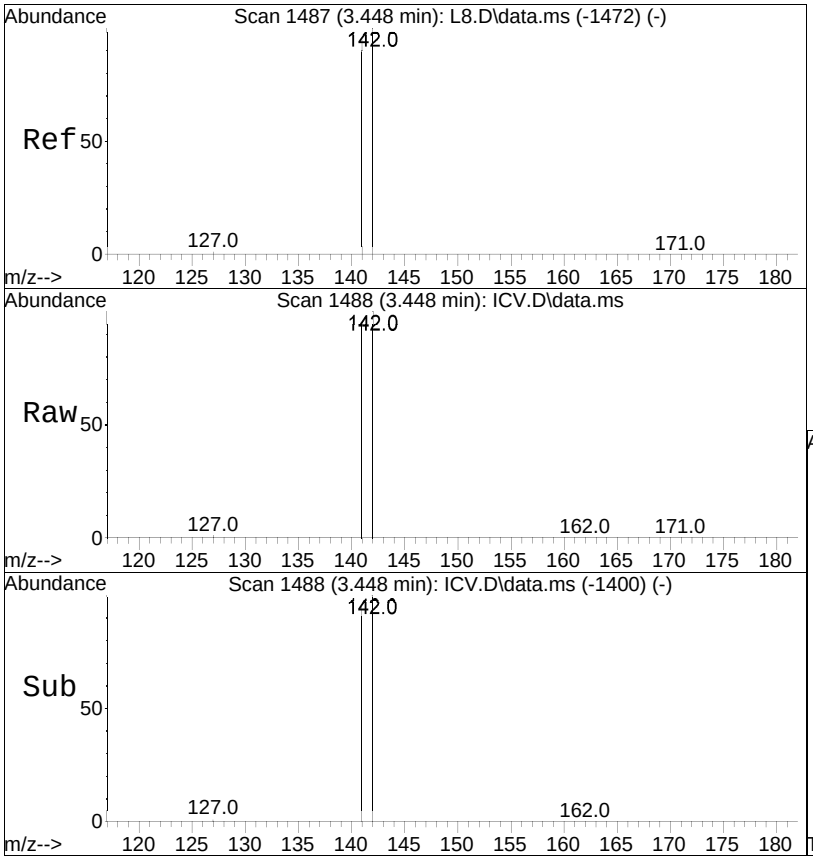


#12
2-Methylnaphthalene
Concen: 966.00 ng/ml
RT: 3.393 min Scan# 1427
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:142 Resp: 166175

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4

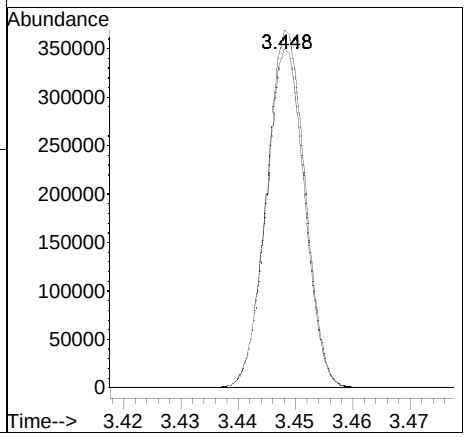


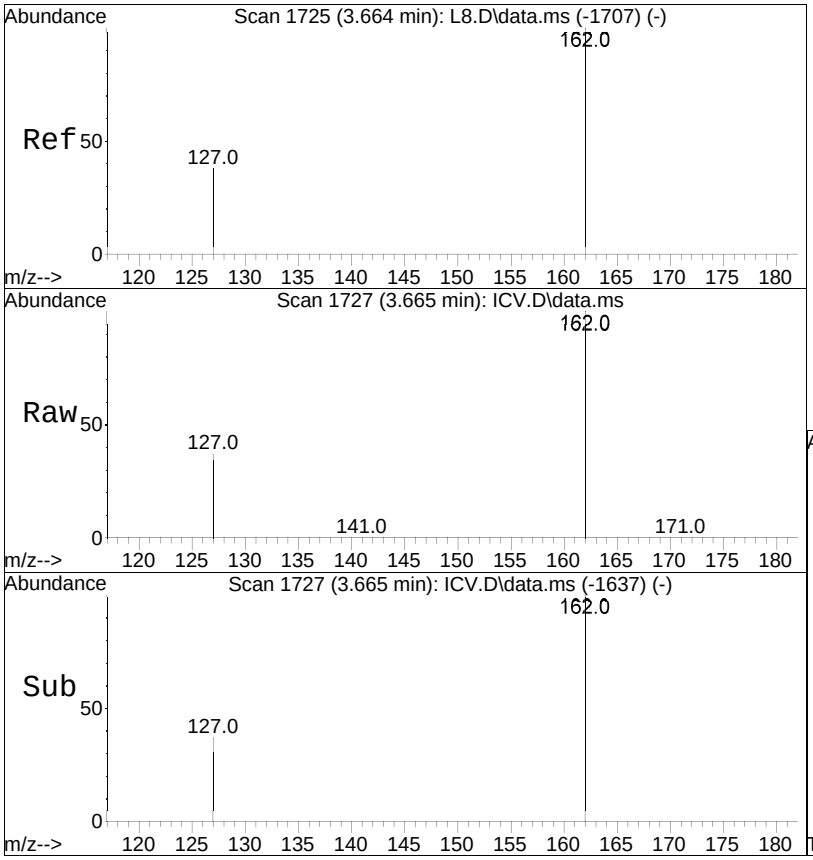


#13
1-Methylnaphthalene
Concen: 952.25 ng/ml
RT: 3.448 min Scan# 1488
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:142 Resp: 169347

Ion	Ratio	Lower	Upper
142	100		
141	95.0	76.0	114.0

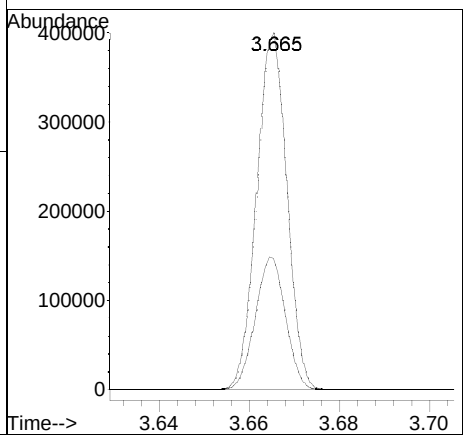


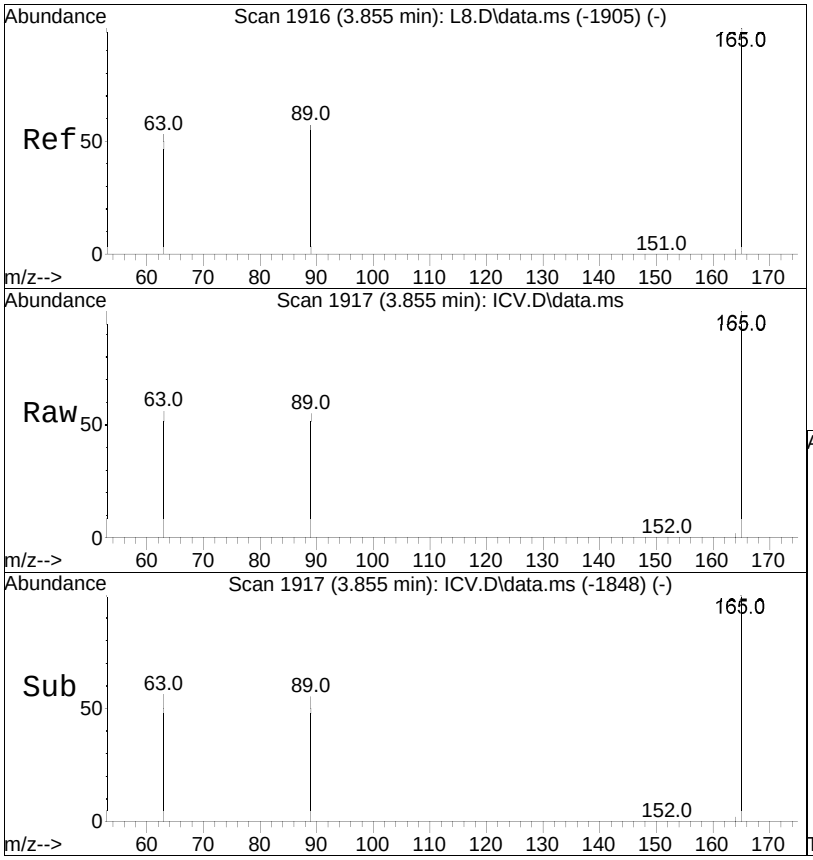


#15
2-Chloronaphthalene
Concen: 950.32 ng/ml
RT: 3.665 min Scan# 1727
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:162 Resp: 183338

Ion	Ratio	Lower	Upper
162	100		
127	37.3	29.8	44.8

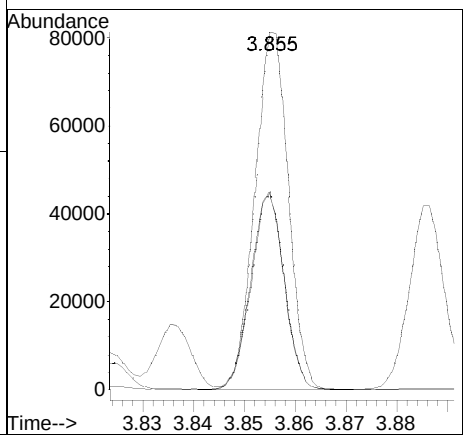


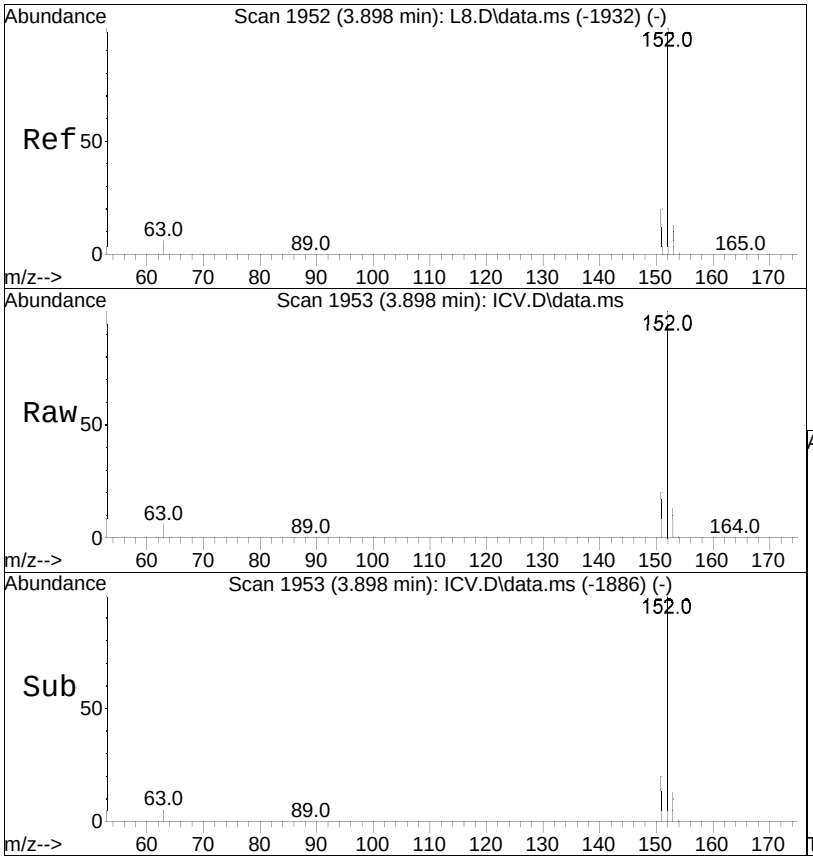


#16
2,6-Dinitrotoluene
Concen: 944.98 ng/ml
RT: 3.855 min Scan# 1917
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:165 Resp: 37081

Ion	Ratio	Lower	Upper
165	100		
89	54.0	45.6	68.4
63	54.6	45.4	68.2

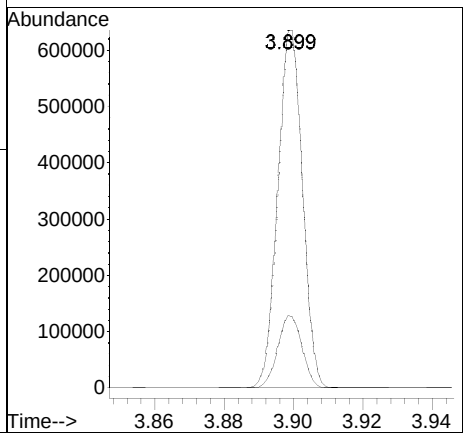


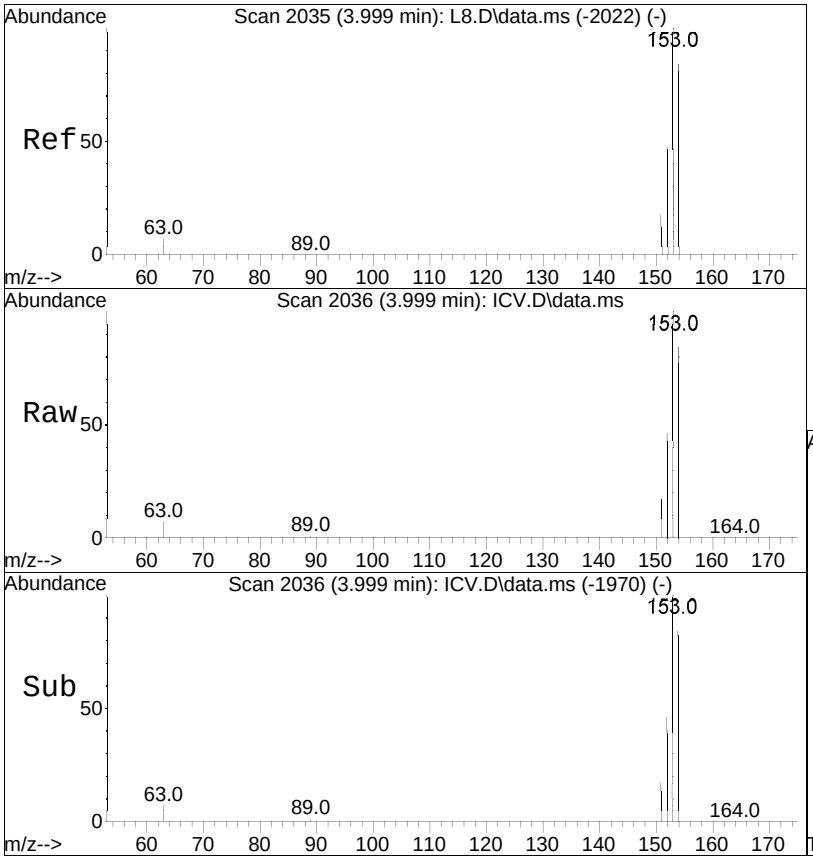


#17
Acenaphthylene
Concen: 962.84 ng/ml
RT: 3.898 min Scan# 1953
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:152 Resp: 308774

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

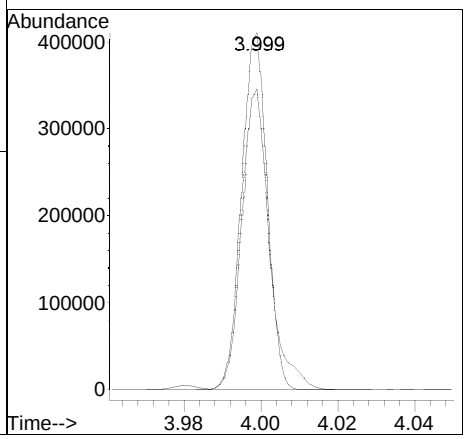


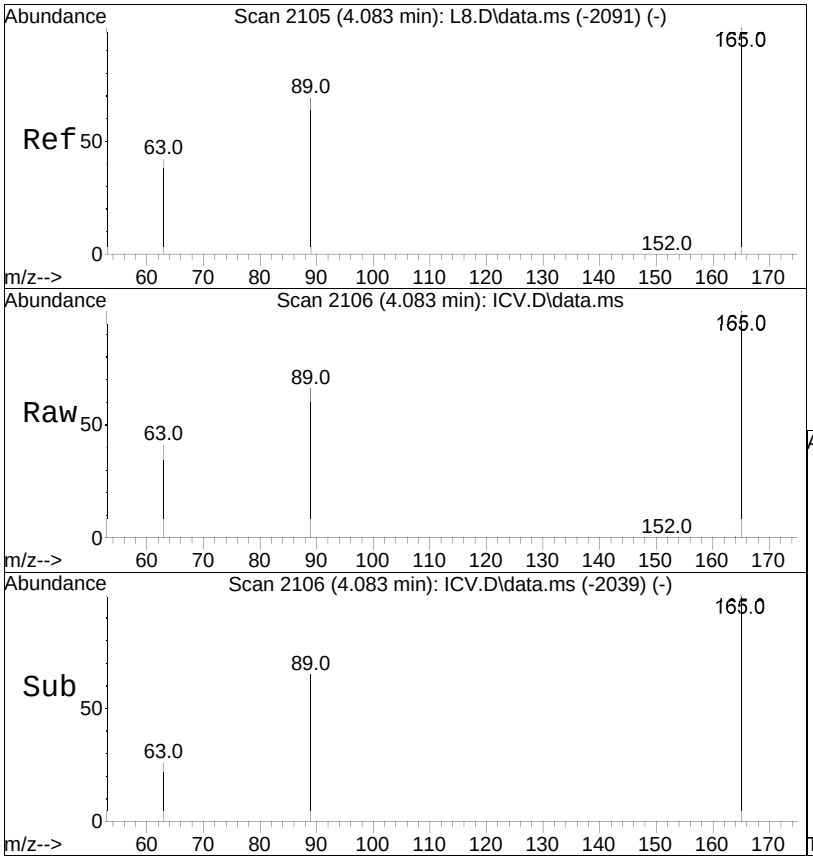


#19
Acenaphthene
Concen: 956.12 ng/ml
RT: 3.999 min Scan# 2036
Delta R.T. -0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:153 Resp: 187722

Ion	Ratio	Lower	Upper
153	100		
154	90.6	72.0	108.0

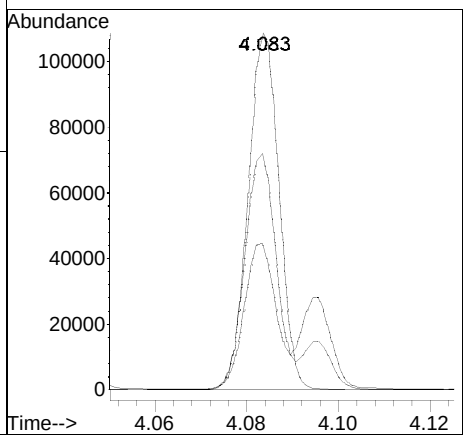


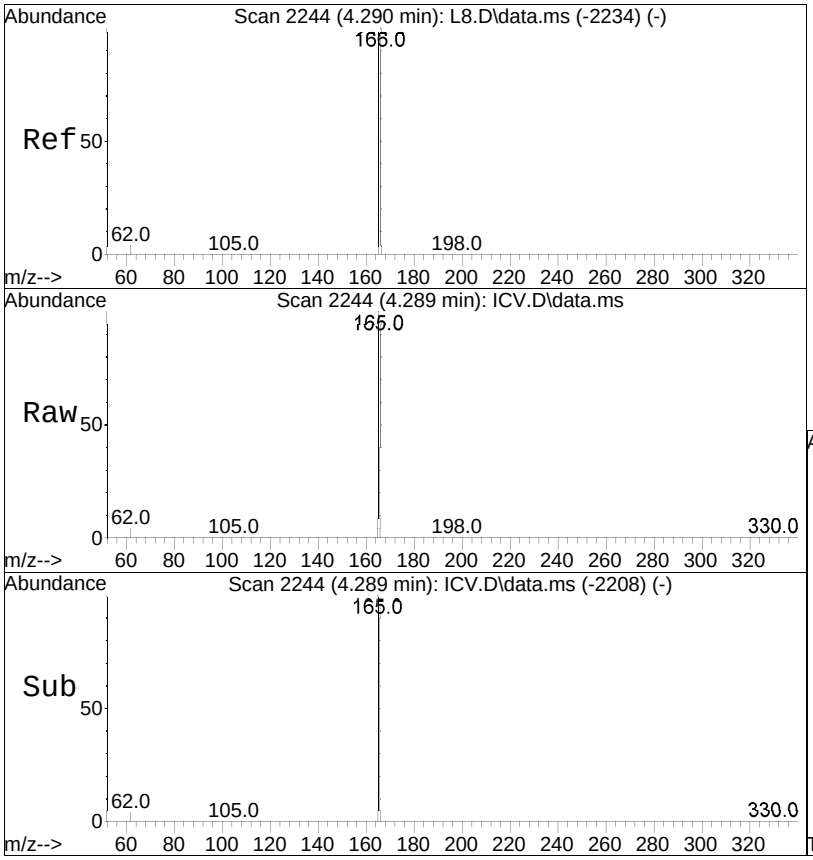


#20
2,4-Dinitrotoluene
Concen: 963.84 ng/ml
RT: 4.083 min Scan# 2106
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:165 Resp: 50216

Ion	Ratio	Lower	Upper
165	100		
89	67.6	56.6	85.0
63	42.6	35.0	52.6

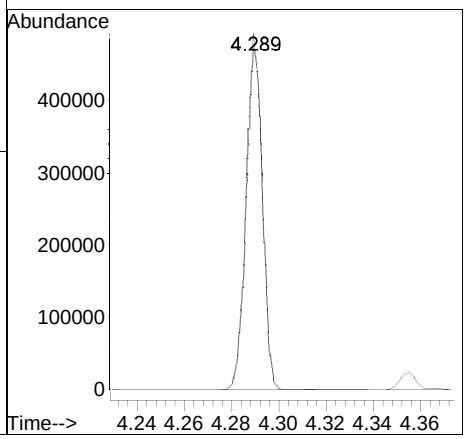


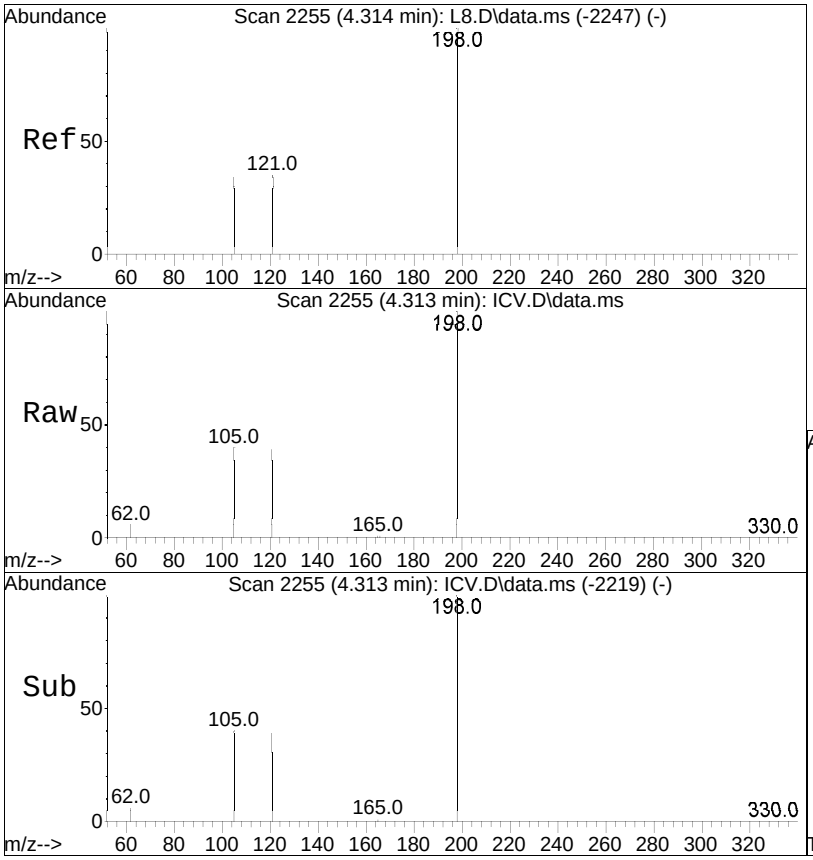


#21
Fluorene
Concen: 966.63 ng/ml
RT: 4.289 min Scan# 2244
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:166 Resp: 227045

Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.5	122.3

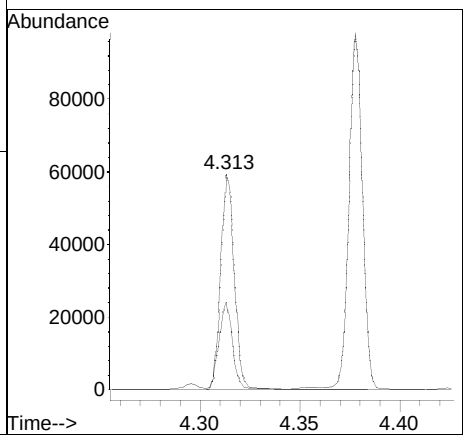


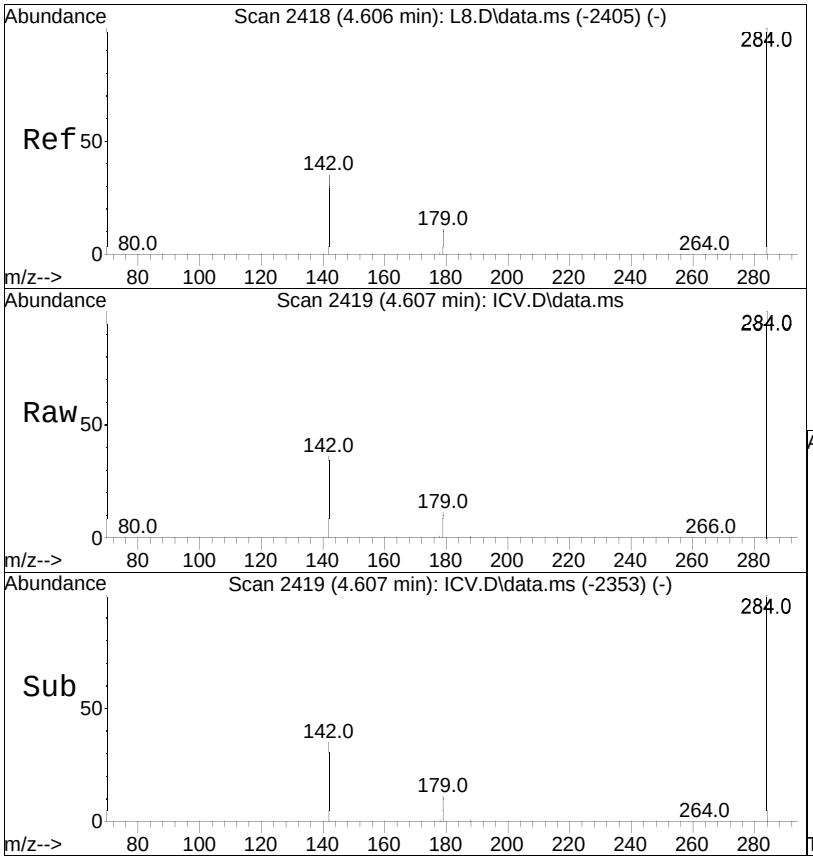


#24
4,6-Dinitro-o-cresol
Concen: 996.61 ng/ml
RT: 4.313 min Scan# 2255
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:198 Resp: 28403

Ion	Ratio	Lower	Upper
198	100		
105	39.1	32.1	48.1

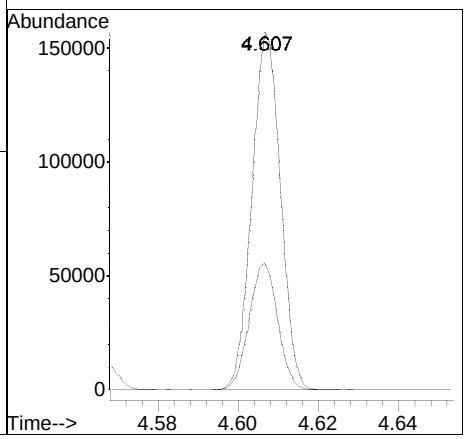


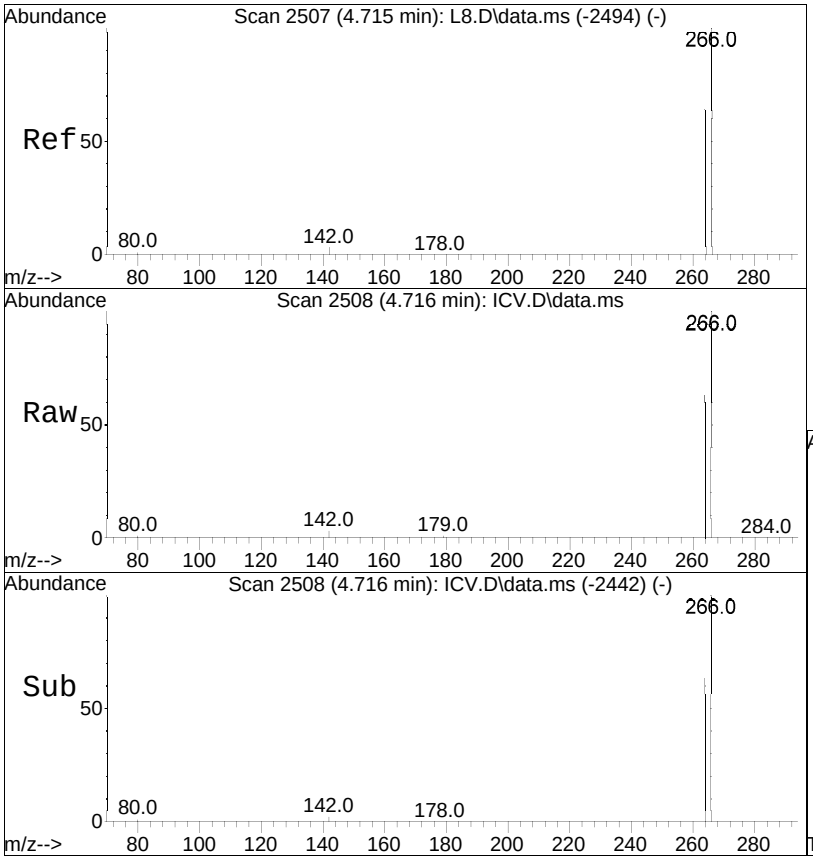


#25
Hexachlorobenzene
Concen: 951.45 ng/ml
RT: 4.607 min Scan# 2419
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:284 Resp: 76191

Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.8	43.2

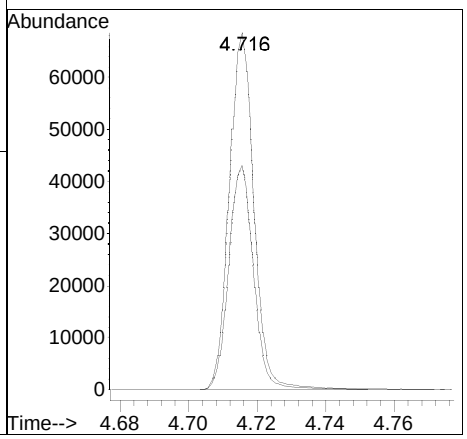


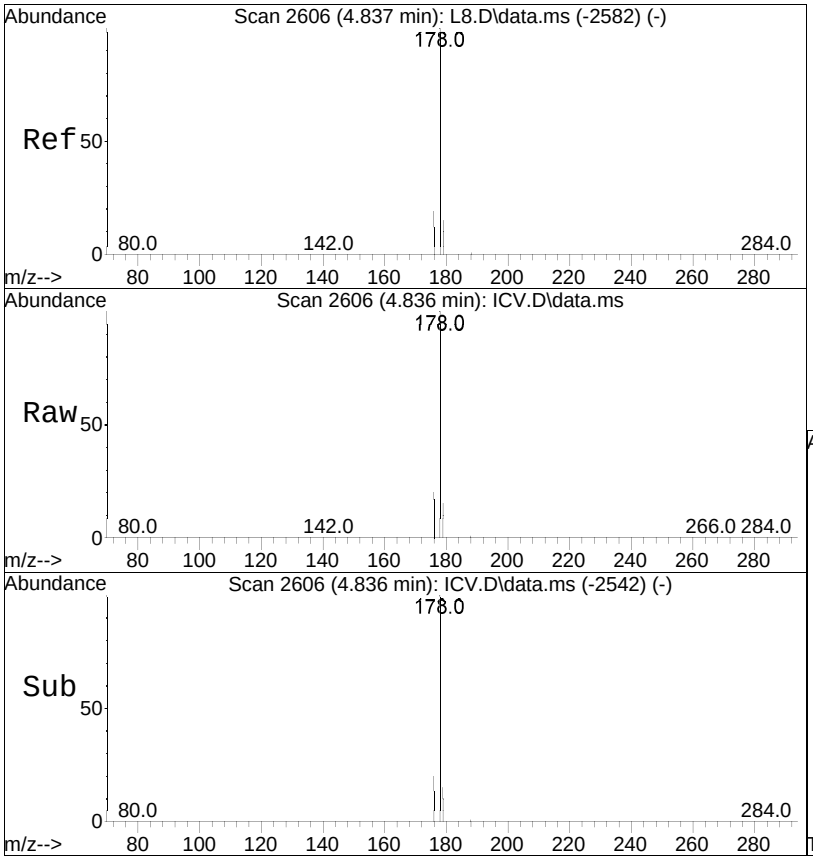


#26
Pentachlorophenol
Concen: 941.67 ng/ml
RT: 4.716 min Scan# 2508
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:266 Resp: 34113

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.6	76.0

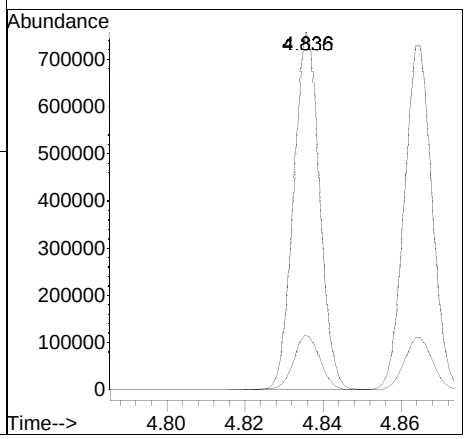


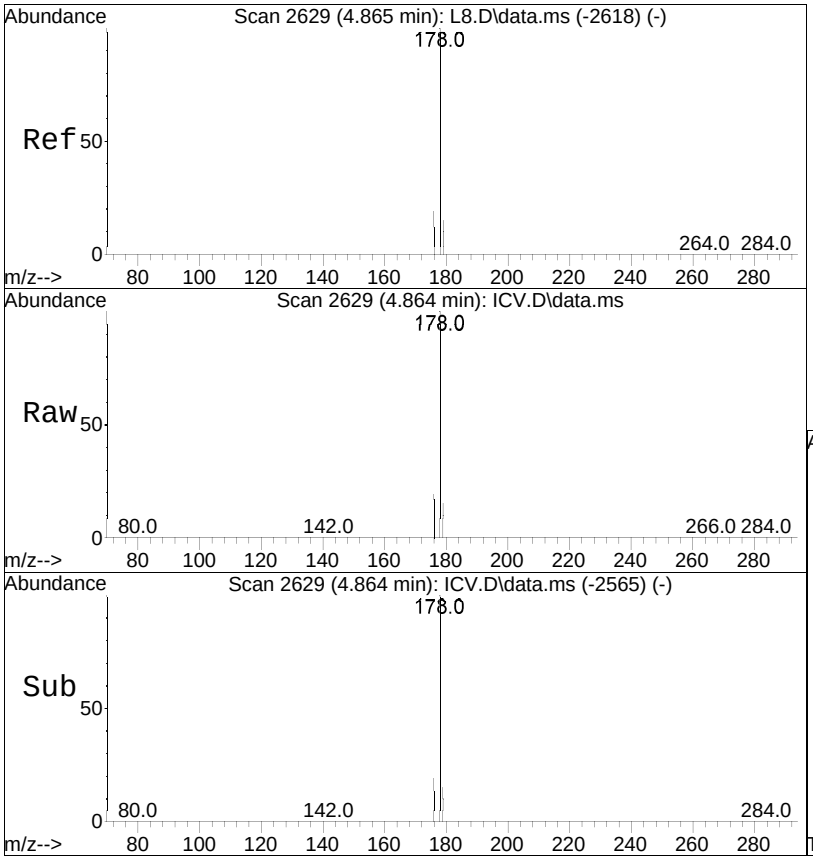


#27
Phenanthrene
Concen: 915.24 ng/ml
RT: 4.836 min Scan# 2606
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:178 Resp: 351900

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

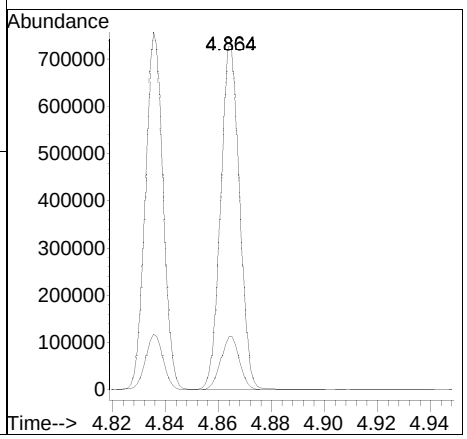


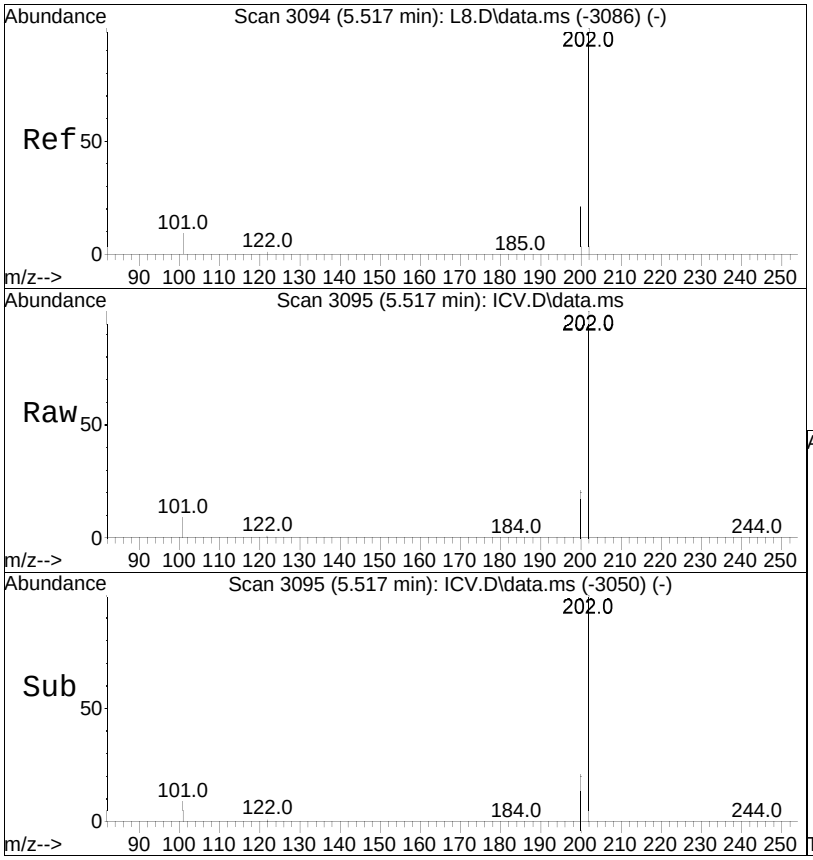


#28
Anthracene
Concen: 965.76 ng/ml
RT: 4.864 min Scan# 2629
Delta R.T. -0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:178 Resp: 362255

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2

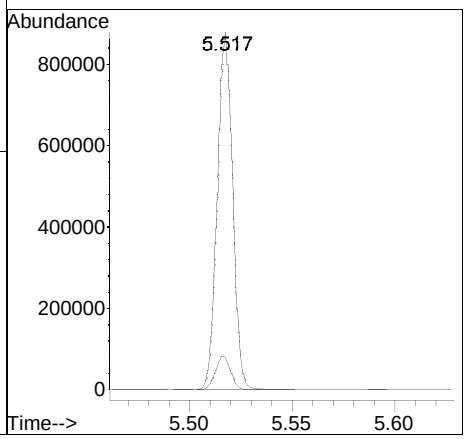


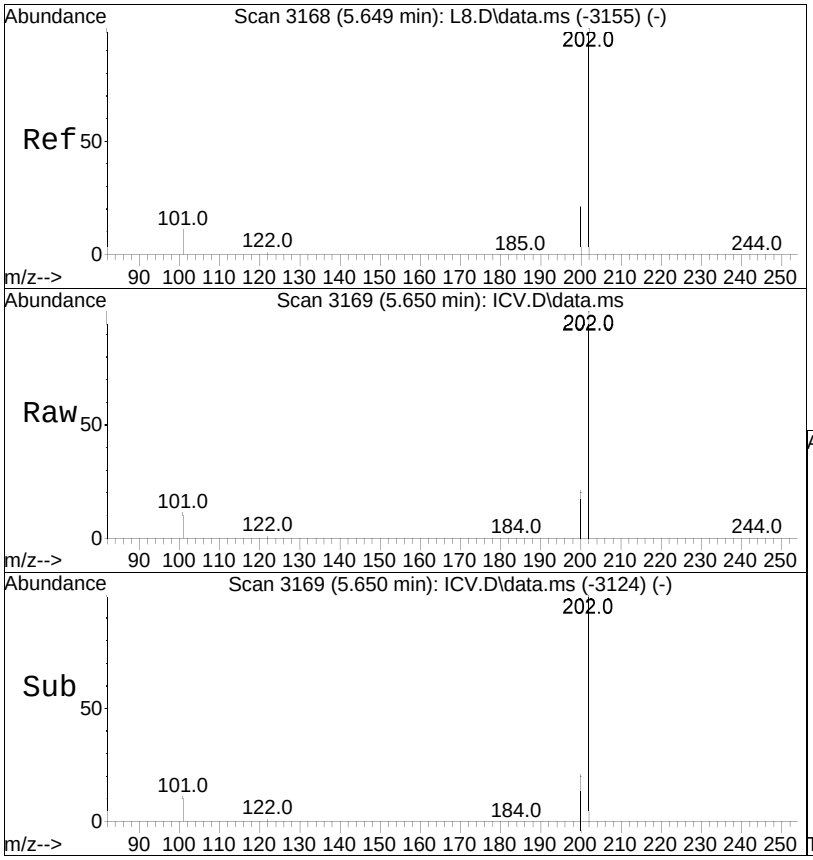


#29
Fluoranthene
Concen: 958.49 ng/ml
RT: 5.517 min Scan# 3095
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:202 Resp: 448243

Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.5	11.3

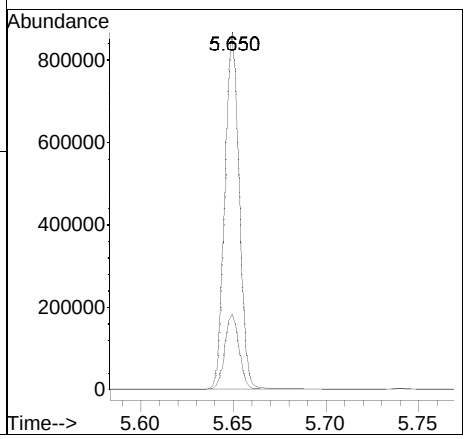


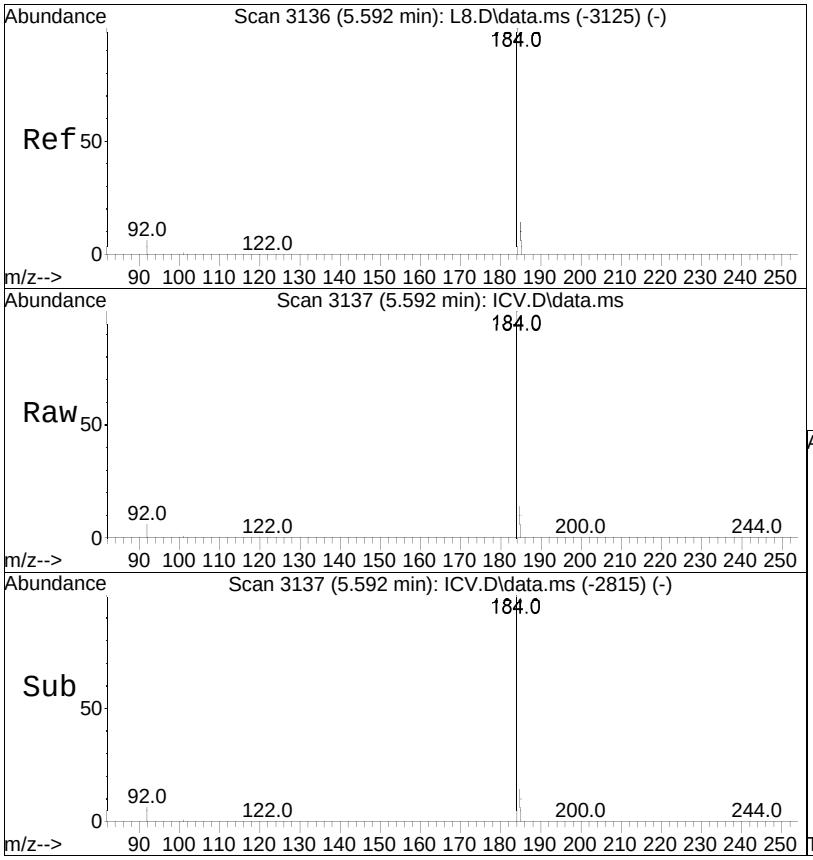


#30
Pyrene
Concen: 951.93 ng/ml
RT: 5.650 min Scan# 3169
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:202 Resp: 459332

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4

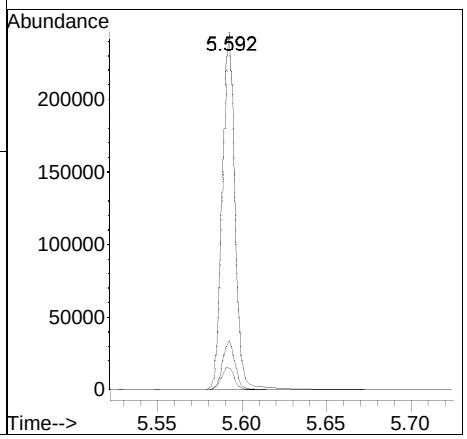


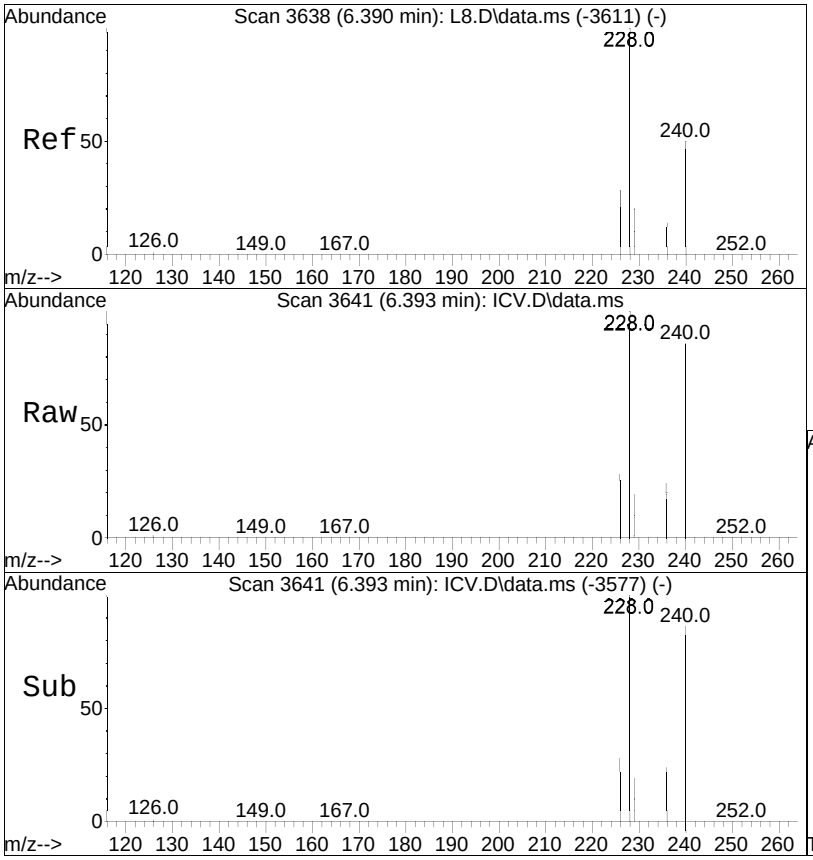


#31
Benzidine
Concen: 715.84 ng/mL
RT: 5.592 min Scan# 3137
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:184 Resp: 125511

Ion	Ratio	Lower	Upper
184	100		
92	6.5	5.2	7.8
185	13.9	11.2	16.8

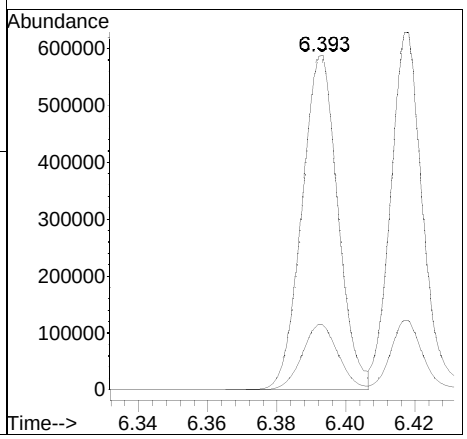


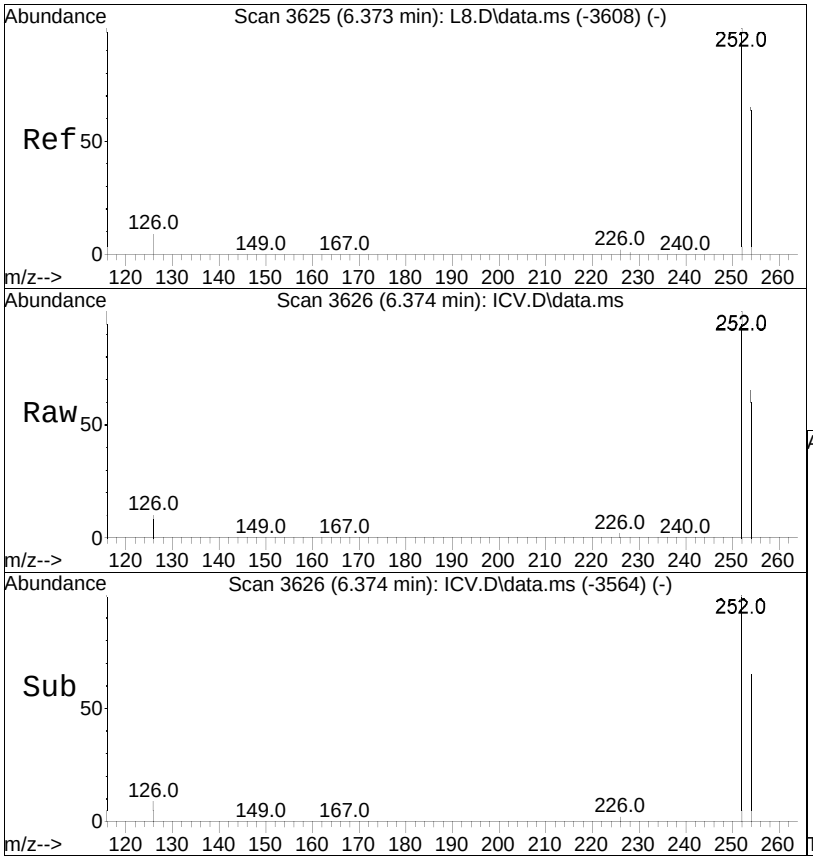


#34
Benzo[a]anthracene
Concen: 950.93 ng/ml
RT: 6.393 min Scan# 3641
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:228 Resp: 425906

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.6

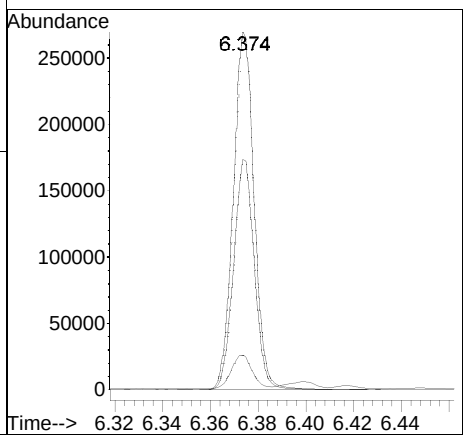


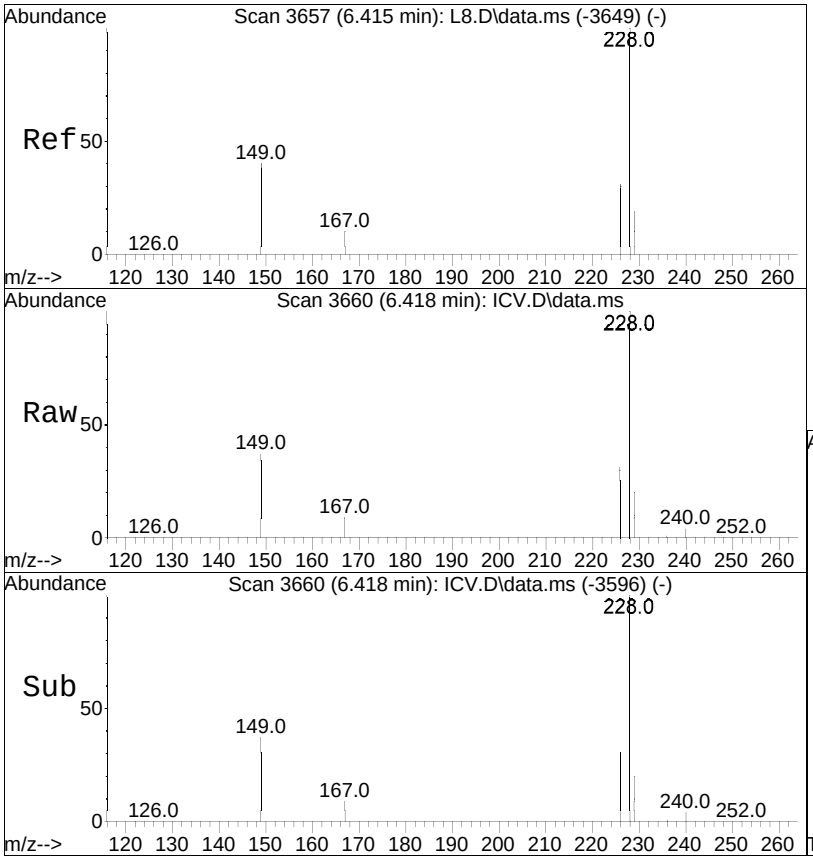


#35
3,3'-Dichlorobenzidine
Concen: 966.71 ng/ml
RT: 6.374 min Scan# 3626
Delta R.T. 0.001 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:252 Resp: 160402

Ion	Ratio	Lower	Upper
252	100		
126	9.5	7.7	11.5
254	64.4	51.8	77.6

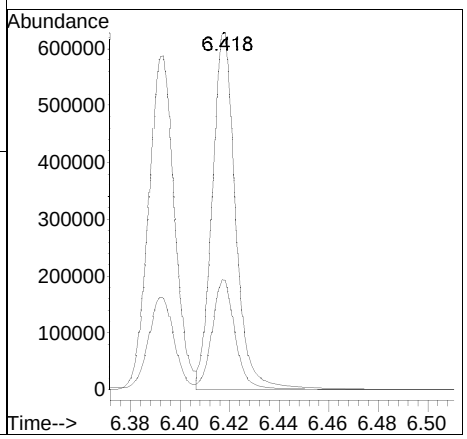


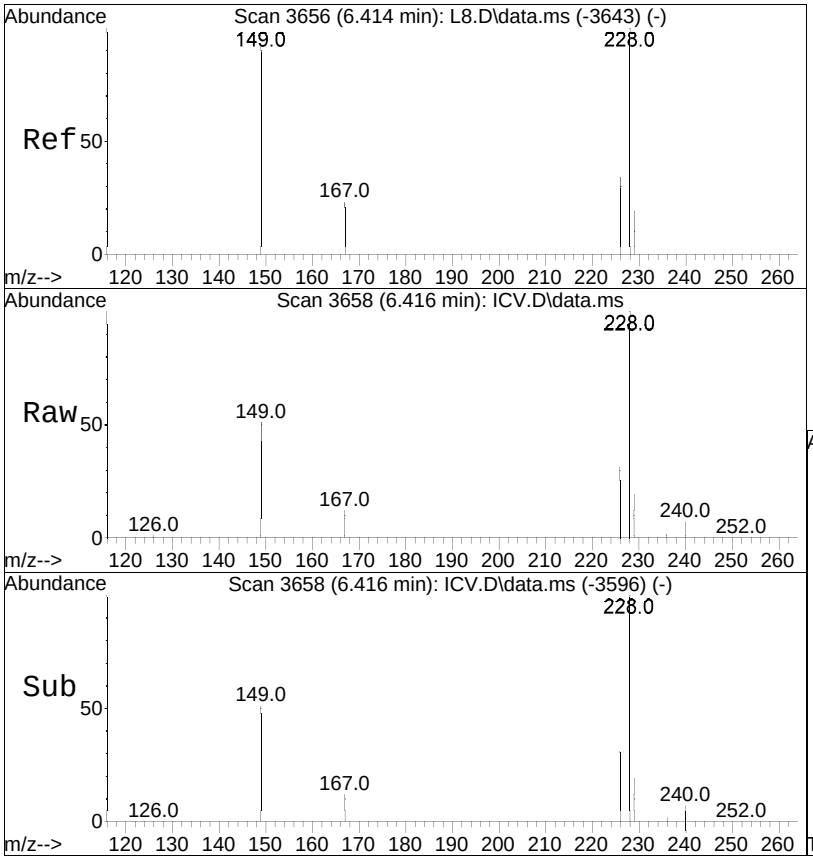


#36
Chrysene
Concen: 976.39 ng/ml
RT: 6.418 min Scan# 3660
Delta R.T. 0.003 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:228 Resp: 407877

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0

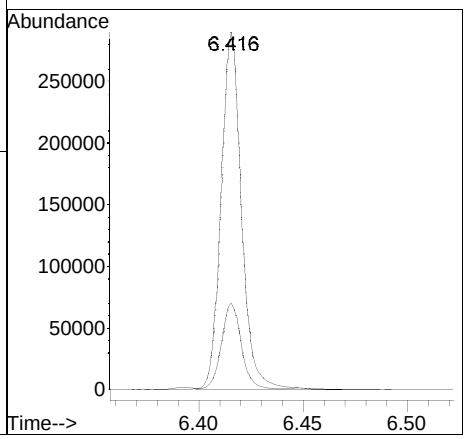


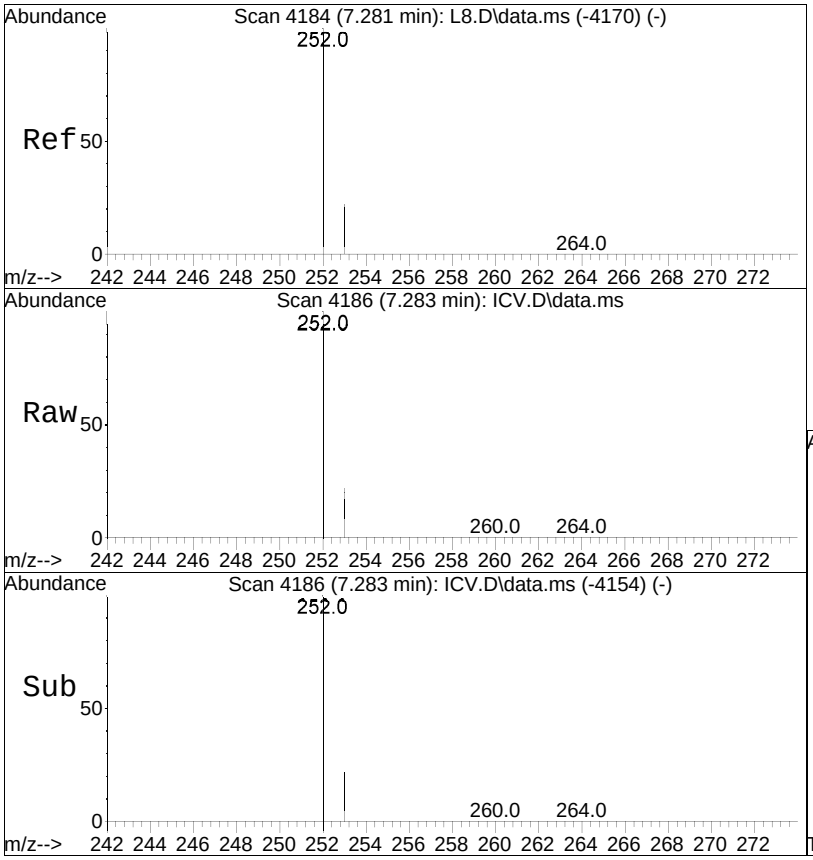


#37
Bis(2-ethylhexyl)phthalate
Concen: 798.19 ng/ml
RT: 6.416 min Scan# 3658
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:149 Resp: 194001

Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.6	29.4

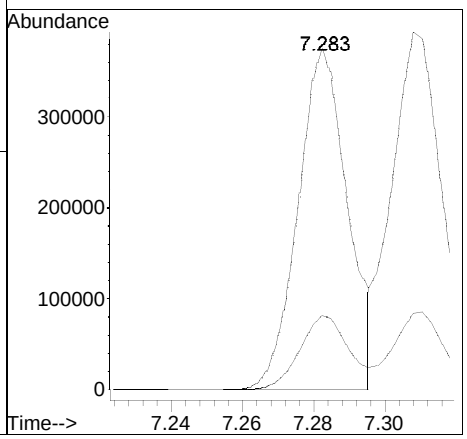


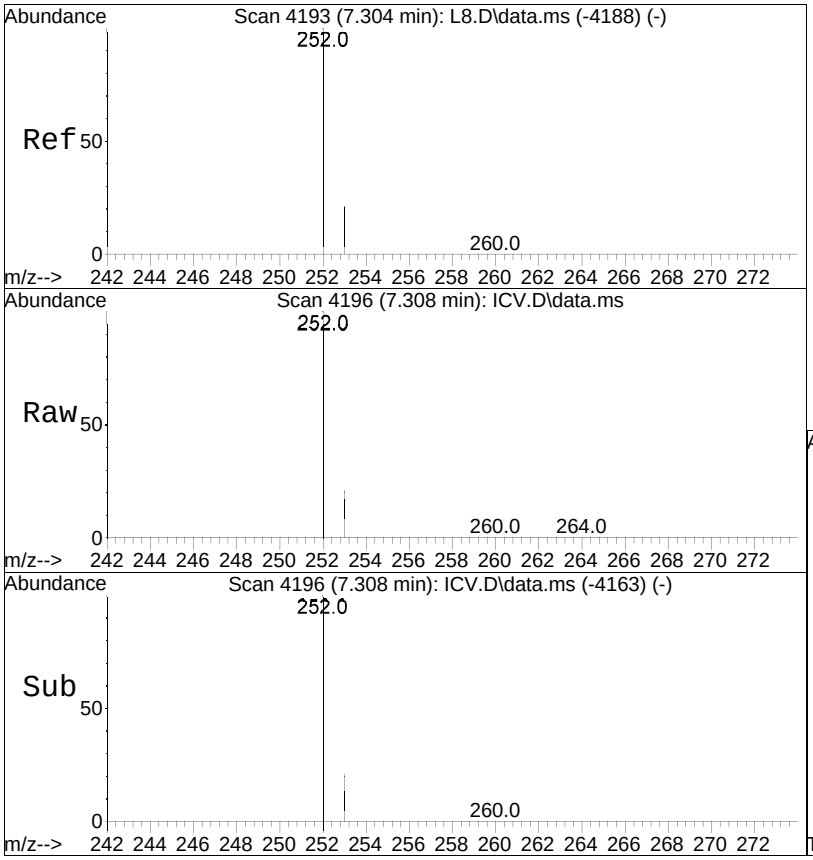


#39
Benzo[b]fluoranthene
Concen: 980.79 ng/ml
RT: 7.283 min Scan# 4186
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:252 Resp: 362589

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1

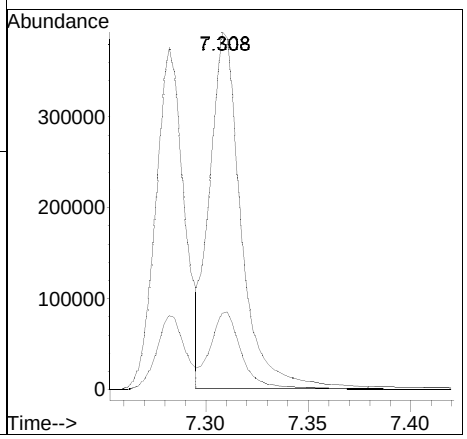


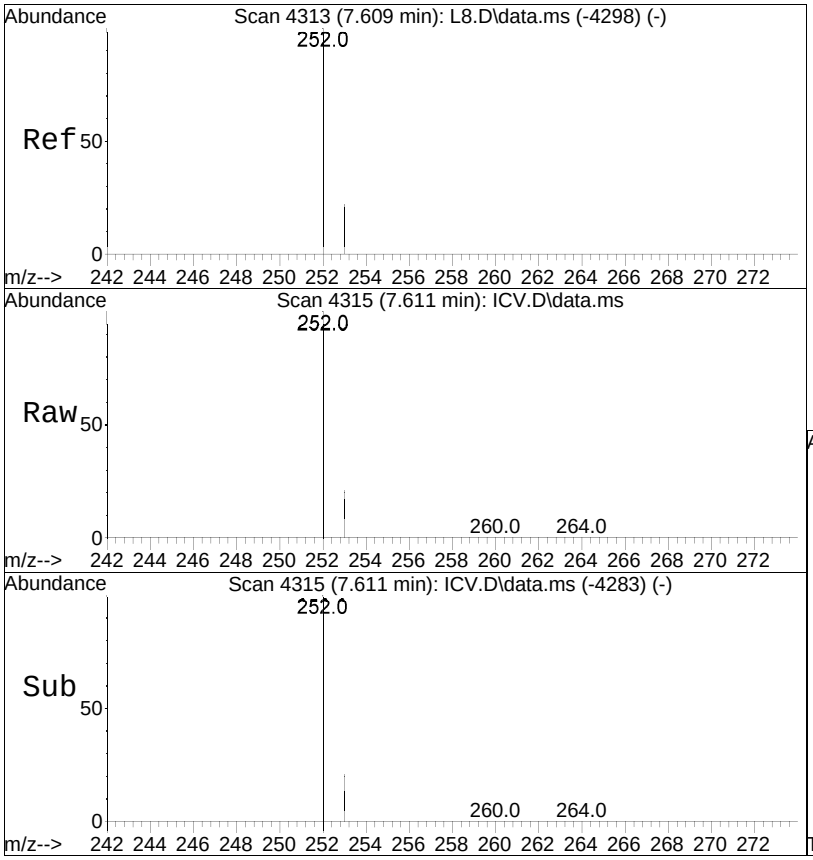


#40
Benzo[k]fluoranthene
Concen: 1082.32 ng/ml M1
RT: 7.308 min Scan# 4196
Delta R.T. 0.004 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:252 Resp: 422560

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.4

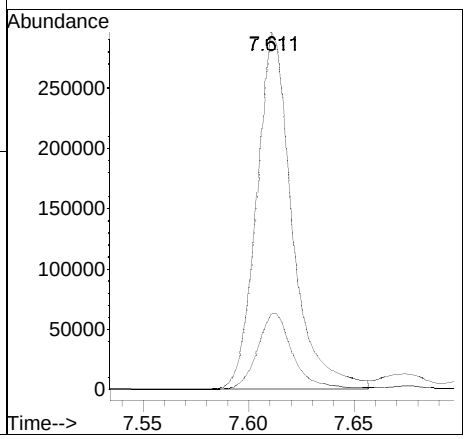


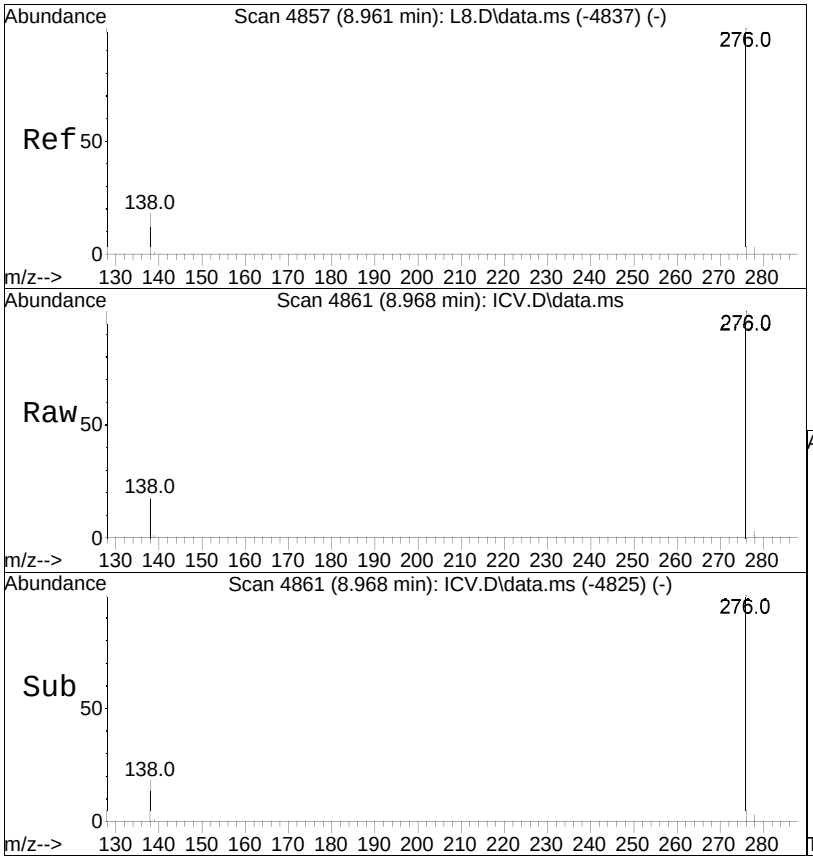


#41
Benzo[a]pyrene
Concen: 1019.71 ng/ml
RT: 7.611 min Scan# 4315
Delta R.T. 0.002 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:252 Resp: 343068

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

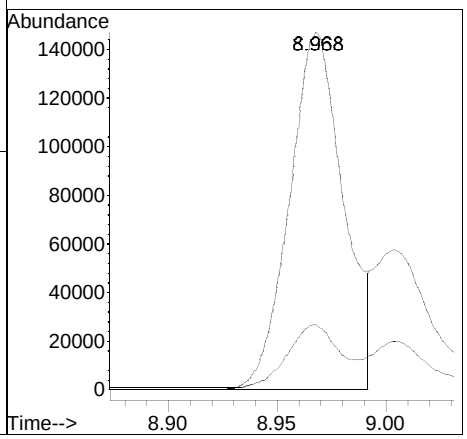


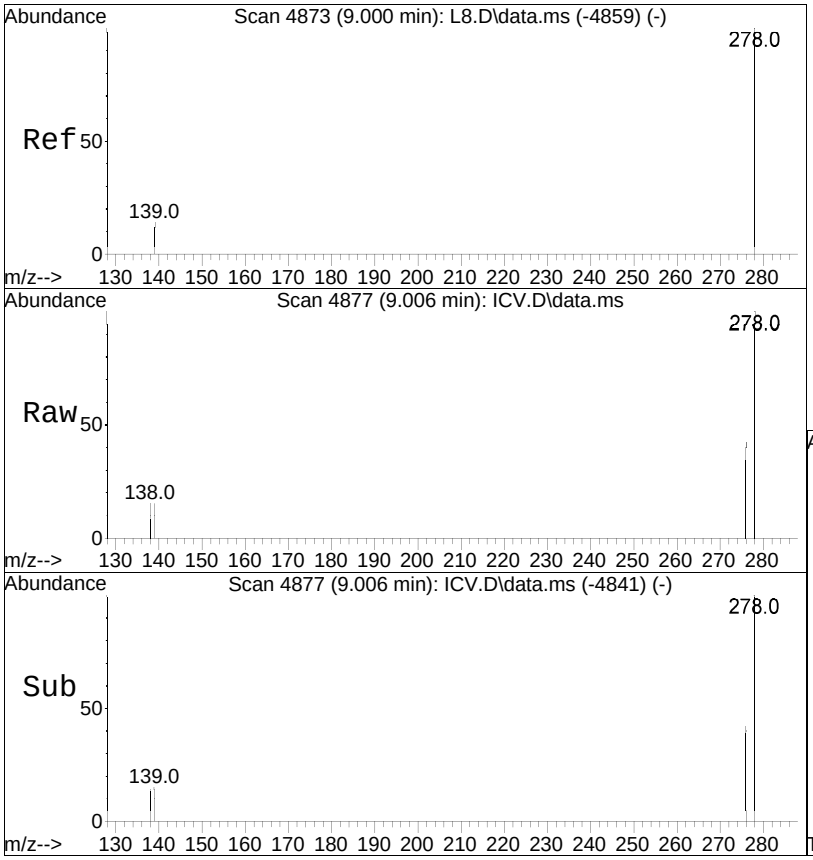


#42
Indeno[1,2,3-cd]pyrene
Concen: 720.48 ng/ml
RT: 8.968 min Scan# 4861
Delta R.T. 0.007 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:276 Resp: 252954

Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.4	21.6

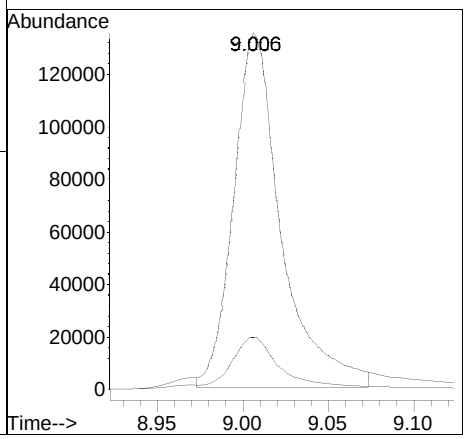


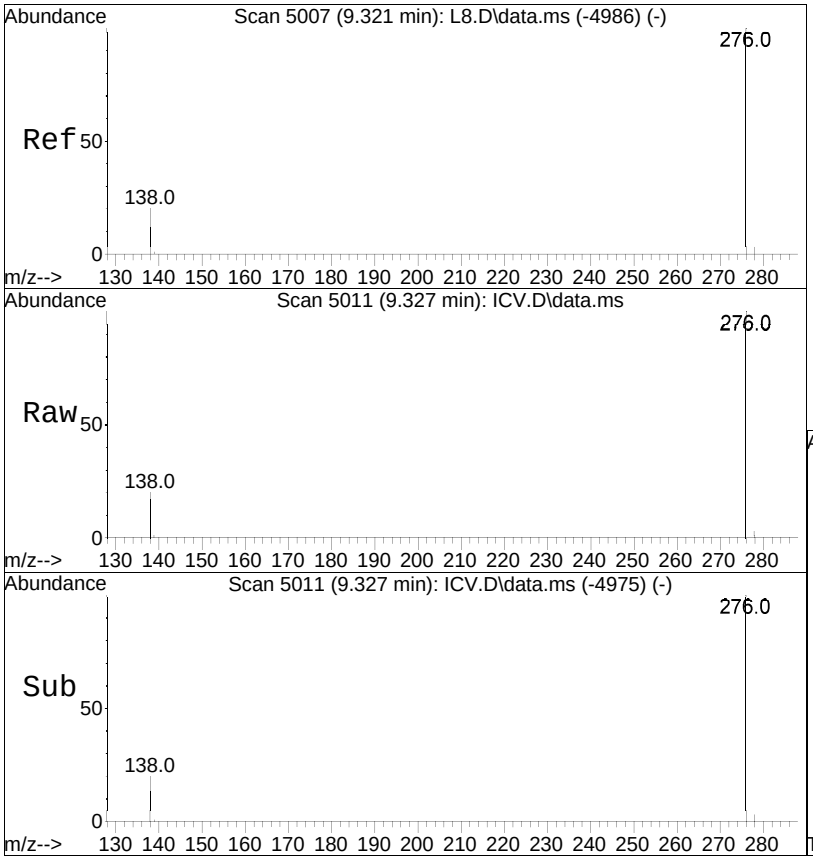


#43
Dibenzo[a,h]anthracene
Concen: 777.96 ng/ml M6
RT: 9.006 min Scan# 4877
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:278 Resp: 261012

Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.1	18.1

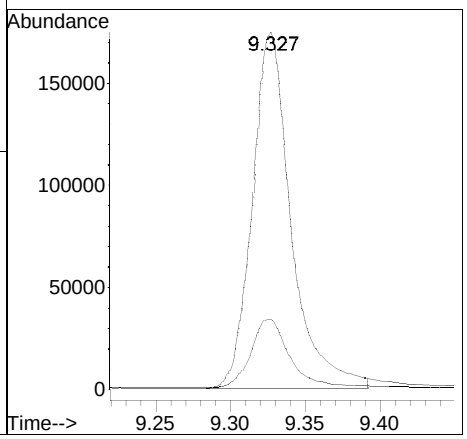




#44
Benzo[g,h,i]perylene
Concen: 866.85 ng/ml
RT: 9.327 min Scan# 5011
Delta R.T. 0.006 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

Tgt Ion:276 Resp: 312375

Ion	Ratio	Lower	Upper
276	100		
138	19.7	16.0	24.0

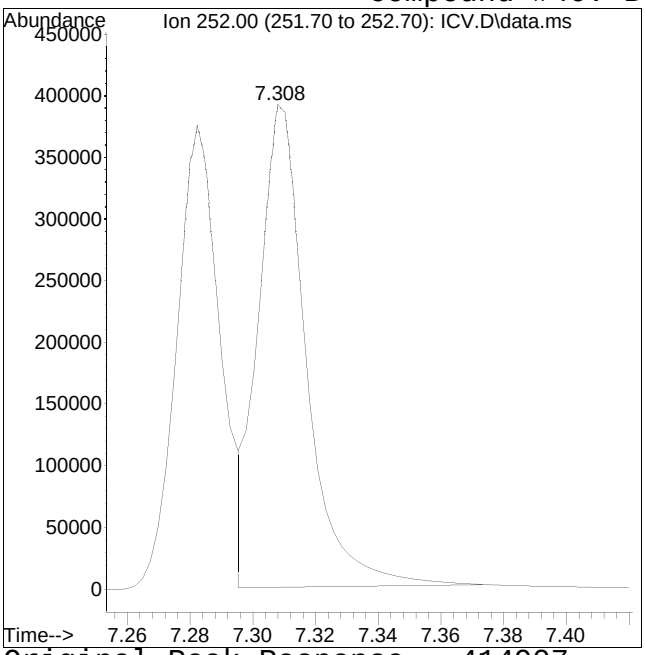


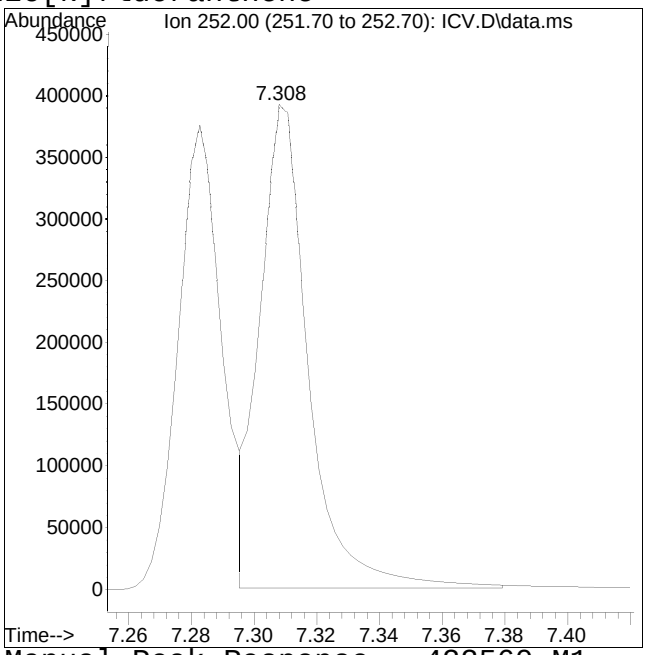
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQ
Data File : ICV.D
Date Inj'd : 6/18/2025 9:19 pm
Sample : CQICV1,32,,1 Lot# 11696

Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/19/2025 10:30 am

Compound #40: Benzo[k]fluoranthene





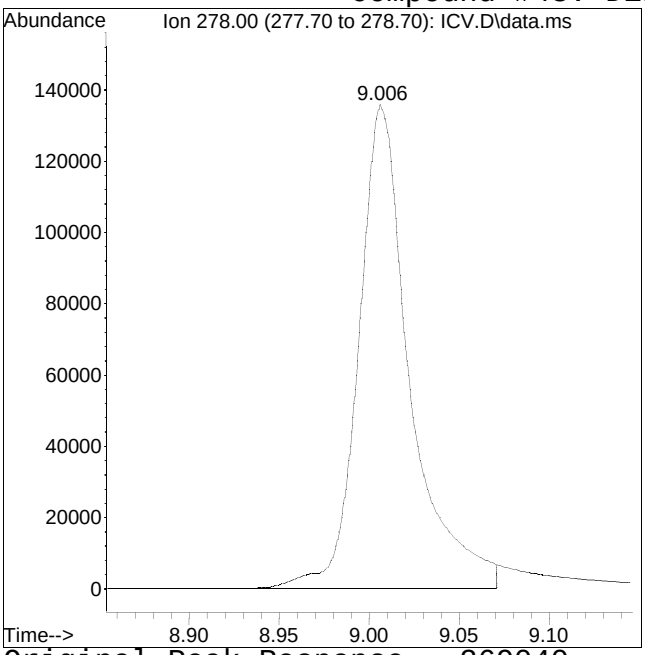
Original Peak Response = 414907 Manual Peak Response = 422560 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

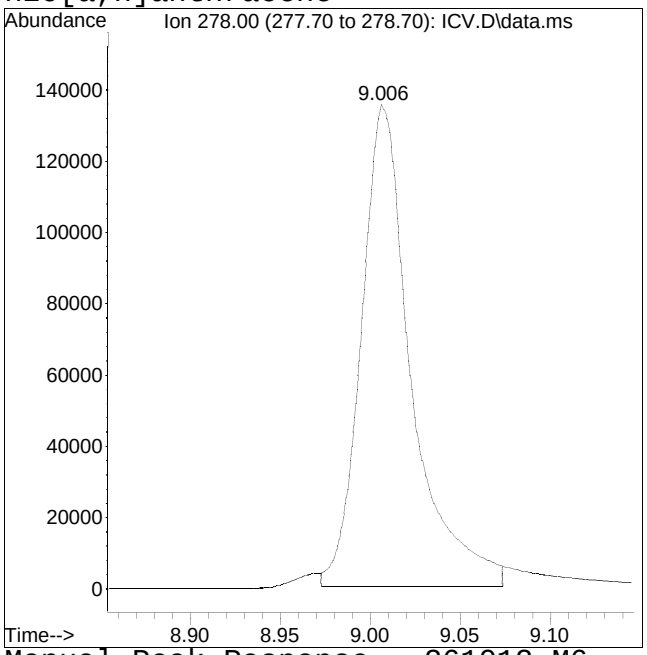
Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : ICV.D Operator : sv119:slr
Date Inj'd : 6/18/2025 9:19 pm Instrument : SV119
Sample : CQICV1,32,,1 Lot# 11696 Quant Date : 6/19/2025 10:30 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 269040



Manual Peak Response = 261012 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Evaluate Relative Error Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
24 T	4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	968.815	-3.1	40.00	44.212	10.5
26 T	Pentachlorophenol	Q	ng/ml	1000.0	973.011	-2.7	10.00	10.247	2.5
31 T	Benzidine	L	ng/mL	1000.0	985.204	-1.5	500.00	502.125	0.4
34 T	Benzo[a]anthracene	L	ng/ml	1000.0	1008.485	0.8	5.00	5.332	6.6
37 T	Bis(2-ethylhexyl)phthalate	L	ng/ml	1000.0	908.140	-9.2	40.00	51.141	27.9
42 T	Indeno[1,2,3-cd]pyrene	L	ng/ml	1000.0	980.182	-2.0	5.00	7.246	44.9
43 T	Dibenzo[a,h]anthracene	L	ng/ml	1000.0	986.954	-1.3	5.00	7.310	46.2
44 T	Benzo[g,h,i]perylene	L	ng/ml	1000.0	986.757	-1.3	5.00	6.483	29.7

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
24 T	4,6-Dinitro-o-cresol	Quadratic	0.999481	0.010500	0.086419	-0.000230254
26 T	Pentachlorophenol	Quadratic	0.999646	0.031826	0.103796	0.000167053
31 T	Benzidine	Linear	0.999776	0.000000	0.854373	-0.0558888
34 T	Benzo[a]anthracene	Linear	0.999577	0.000000	1.39861	0.00268223
37 T	Bis(2-ethylhexyl)phthalate	Linear	0.996839	0.000000	0.791183	-0.00520444
42 T	Indeno[1,2,3-cd]pyrene	Linear	0.996613	0.000000	1.1521	-0.00130068
43 T	Dibenzo[a,h]anthracene	Linear	0.997585	0.000000	1.10099	-0.00134561
44 T	Benzo[g,h,i]perylene	Linear	0.998736	0.000000	1.17985	-0.00102895

Continuing Calibration

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/22/25 21:24		
Lab File ID	: CCV0622A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2082077-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	74	0
2-Fluorophenol	1.223	1.182	.01	3.4	20	71	0
Phenol-d6	1.466	1.402	.01	4.4	20	70	0
Bis(2-chloroethyl)ether	1.301	1.231	.01	5.4	20	72	0
n-nitrosodi-n-propylamine	0.835	0.823	.01	1.4	20	69	0
Hexachloroethane	0.544	0.561	.01	-3.1	20	76	0
Nitrobenzene-d5	1.197	1.207	.01	-0.8	20	71	0
Naphthalene-d8	1	1	.01	0	20	76	0
Naphthalene	1.137	1.107	.01	2.6	20	76	0
Hexachlorobutadiene	0.204	0.181	.01	11.3	20	67	0
2-Methylnaphthalene	0.707	0.697	.01	1.4	20	75	0
1-Methylnaphthalene	0.719	0.709	.01	1.4	20	75	0
2-Fluorobiphenyl	0.876	0.85	.01	3	20	77	0
2-Chloronaphthalene	0.765	0.753	.01	1.6	20	75	0
2,6-Dinitrotoluene	0.17	0.175	.01	-2.9	20	72	0
Acenaphthylene	1.17	1.261	.01	-7.8	20	77	0
Acenaphthene-d10	1	1	.01	0	20	73	0
Acenaphthene	1.424	1.461	.01	-2.6	20	76	0
2,4-Dinitrotoluene	0.411	0.452	.01	-10	20	72	0
Fluorene	1.566	1.644	.01	-5	20	76	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	67	0
Phenanthrene-d10	1	1	.01	0	20	69	0
4,6-Dinitro-o-cresol	1000	778.367	.01	22.2*	20	58	0
Hexachlorobenzene	0.265	0.268	.01	-1.1	20	71	0
Pentachlorophenol	1000	865.852	.01	13.4	20	57	0
Phenanthrene	1.211	1.248	.01	-3.1	20	73	0
Anthracene	1.202	1.299	.01	-8.1	20	74	0
Fluoranthene	1.379	1.445	.01	-4.8	20	72	0
Pyrene	1.427	1.489	.01	-4.3	20	71	0
4-Terphenyl-d14	0.929	0.851	.01	8.4	20	65	0
Chrysene-d12	1	1	.01	0	20	63	0
Benzo[a]anthracene	0.423	0.422	.01	0.2	20	65	0
3,3'-Dichlorobenzidine	0.534	0.631	.01	-18.2	20	69	0
Chrysene	1.38	1.468	.01	-6.4	20	67	0
Bis(2-ethylhexyl)phthalate	1000	1171.655	.01	-17.2	20	80	0
Perylene-d12	1	1	.01	0	20	65	0
Benzo[b]fluoranthene	1.316	1.436	.01	-9.1	20	69	0
Benzo[k]fluoranthene	1.252	1.441	.01	-15.1	20	69	0
Benzo[a]pyrene	1.095	1.337	.01	-22.1*	20	72	0
Indeno[1,2,3-cd]pyrene	0.971	1.293	.01	-33.2*	20	79	0
Dibenzo[a,h]anthracene	0.937	1.26	.01	-34.5*	20	77	0
Benzo[g,h,i]perylene	1.026	1.348	.01	-31.4*	20	79	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	79	0
N-Nitrosodimethylamine	0.662	0.707	.05	-6.8	20	86	0
2-Fluorophenol	1.123	1.213	.05	-8	20	86	0
Phenol-d6	1.459	1.497	.05	-2.6	20	84	0
Bis(2-chloroethyl)ether	1.177	1.131	.05	3.9	20	76	0
n-nitrosodi-n-propylamine	0.885	0.844	.05	4.6	20	76	0
Hexachloroethane	0.531	0.492	.05	7.3	20	74	0
Nitrobenzene-d5	1.203	1.123	.05	6.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	79	0
Naphthalene	1.048	0.983	.05	6.2	20	76	0
Hexachlorobutadiene	0.208	0.197	.05	5.3	20	77	0
2-Methylnaphthalene	0.695	0.653	.05	6	20	77	0
1-Methylnaphthalene	0.718	0.669	.05	6.8	20	76	0
2-Fluorobiphenyl	0.905	0.854	.05	5.6	20	77	0
2-Chloronaphthalene	0.779	0.718	.05	7.8	20	74	0
2,6-Dinitrotoluene	0.159	0.123	.05	22.6*	20	61	0
Acenaphthylene	1.296	1.207	.05	6.9	20	74	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.329	1.236	.05	7	20	75	0
2,4-Dinitrotoluene	0.353	0.271	.05	23.2*	20	59	0
Fluorene	1.589	1.485	.05	6.5	20	75	0
2,4,6-Tribromophenol	0.201	0.201	.05	0	20	79	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	633.76	.05	36.6*	20	51	0
Hexachlorobenzene	0.248	0.244	.05	1.6	20	80	0
Pentachlorophenol	1000	711.476	.05	28.9*	20	57	0
Phenanthrene	1.189	1.057	.05	11.1	20	75	0
Anthracene	1.16	1.095	.05	5.6	20	75	0
Fluoranthene	1.446	1.344	.05	7.1	20	76	0
Pyrene	1.492	1.393	.05	6.6	20	77	0
Benzidine	1000	762.729	.05	23.7*	20	55	0
4-Terphenyl-d14	0.899	0.971	.05	-8	20	87	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	902.792	.05	9.7	20	80	0
3,3'-Dichlorobenzidine	0.522	0.532	.05	-1.9	20	86	0
Chrysene	1.315	1.242	.05	5.6	20	84	0
Bis(2-ethylhexyl)phthalate	1000	800.486	.05	20	20	79	0
Perylene-d12	1	1	.05	0	20	97	0
Benzo[b]fluoranthene	1.206	1.1	.05	8.8	20	81	0
Benzo[k]fluoranthene	1.273	1.263	.05	0.8	20	89	0
Benzo[a]pyrene	1.097	1.07	.05	2.5	20	85	0
Indeno[1,2,3-cd]pyrene	1000	711.024	.05	28.9*	20	70	0
Dibenzo[a,h]anthracene	1000	835.379	.05	16.5	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1000	872.859	.05	12.7	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/25/25 21:28		
Lab File ID	: CCV0625N	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2083522-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	121	0
2-Fluorophenol	1.223	1.223	.01	0	20	120	0
Phenol-d6	1.466	1.492	.01	-1.8	20	122	0
Bis(2-chloroethyl)ether	1.301	1.173	.01	9.8	20	112	0
n-nitrosodi-n-propylamine	0.835	0.837	.01	-0.2	20	114	0
Hexachloroethane	0.544	0.533	.01	2	20	118	0
Nitrobenzene-d5	1.197	1.204	.01	-0.6	20	116	0
Naphthalene-d8	1	1	.01	0	20	123	0
Naphthalene	1.137	1.027	.01	9.7	20	115	0
Hexachlorobutadiene	0.204	0.177	.01	13.2	20	107	0
2-Methylnaphthalene	0.707	0.651	.01	7.9	20	114	0
1-Methylnaphthalene	0.719	0.654	.01	9	20	113	0
2-Fluorobiphenyl	0.876	0.796	.01	9.1	20	116	0
2-Chloronaphthalene	0.765	0.681	.01	11	20	110	0
2,6-Dinitrotoluene	0.17	0.158	.01	7.1	20	106	0
Acenaphthylene	1.17	1.137	.01	2.8	20	113	0
Acenaphthene-d10	1	1	.01	0	20	119	0
Acenaphthene	1.424	1.305	.01	8.4	20	111	0
2,4-Dinitrotoluene	0.411	0.407	.01	1	20	106	0
Fluorene	1.566	1.473	.01	5.9	20	111	0
2,4,6-Tribromophenol	0.185	0.191	.01	-3.2	20	106	0
Phenanthrene-d10	1	1	.01	0	20	112	0
4,6-Dinitro-o-cresol	1000	775.437	.01	22.5*	20	93	0
Hexachlorobenzene	0.265	0.234	.01	11.7	20	100	0
Pentachlorophenol	1000	710.056	.01	29*	20	75	0
Phenanthrene	1.211	1.117	.01	7.8	20	106	0
Anthracene	1.202	1.178	.01	2	20	108	0
Fluoranthene	1.379	1.267	.01	8.1	20	103	0
Pyrene	1.427	1.304	.01	8.6	20	101	0
4-Terphenyl-d14	0.929	0.815	.01	12.3	20	100	0
Chrysene-d12	1	1	.01	0	20	101	0
Benzo[a]anthracene	0.423	0.377	.01	10.9	20	94	0
3,3'-Dichlorobenzidine	0.534	0.553	.01	-3.6	20	97	0
Chrysene	1.38	1.297	.01	6	20	95	0
Bis(2-ethylhexyl)phthalate	1000	1105.396	.01	-10.5	20	121	0
Perylene-d12	1	1	.01	0	20	106	0
Benzo[b]fluoranthene	1.316	1.215	.01	7.7	20	96	0
Benzo[k]fluoranthene	1.252	1.313	.01	-4.9	20	104	0
Benzo[a]pyrene	1.095	1.184	.01	-8.1	20	105	0
Indeno[1,2,3-cd]pyrene	0.971	1.183	.01	-21.8*	20	118	0
Dibenzo[a,h]anthracene	0.937	1.18	.01	-25.9*	20	118	0
Benzo[g,h,i]perylene	1.026	1.249	.01	-21.7*	20	119	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	157	0
N-Nitrosodimethylamine	0.665	0.662	.05	0.5	20	147	-.02
2-Fluorophenol	1.016	0.984	.05	3.1	20	140	0
Phenol-d6	1.207	1.17	.05	3.1	20	143	0
Bis(2-chloroethyl)ether	1.141	1.082	.05	5.2	20	143	0
Hexachloroethane	0.531	0.494	.05	7	20	149	0
n-nitrosodi-n-propylamine	0.803	0.745	.05	7.2	20	144	0
Nitrobenzene-d5	0.97	1.115	.05	-14.9	20	169	0
Naphthalene-d8	1	1	.05	0	20	151	0
Naphthalene	1.109	1.041	.05	6.1	20	143	0
Hexachlorobutadiene	0.236	0.231	.05	2.1	20	149	0
2-Methylnaphthalene	0.658	0.607	.05	7.8	20	140	0
1-Methylnaphthalene	0.684	0.643	.05	6	20	139	0
2-Fluorobiphenyl	0.902	0.853	.05	5.4	20	137	0
2-Chloronaphthalene	0.783	0.728	.05	7	20	139	0
Acenaphthylene	1.174	1.091	.05	7.1	20	132	0
2,6-Dinitrotoluene	0.137	0.146	.05	-6.6	20	157	0
Acenaphthene-d10	1	1	.05	0	20	140	0
Acenaphthene	1.316	1.263	.05	4	20	137	0
2,4-Dinitrotoluene	0.271	0.345	.05	-27.3*	20	176	0
Fluorene	1.471	1.389	.05	5.6	20	134	0
2,4,6-Tribromophenol	0.198	0.206	.05	-4	20	138	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	1391.121	.05	-39.1*	20	186	0
Hexachlorobenzene	0.264	0.253	.05	4.2	20	130	0
Pentachlorophenol	1000	775.573	.05	22.4*	20	98	0
Phenanthrene	1.18	1.145	.05	3	20	132	0
Anthracene	1.096	1.056	.05	3.6	20	127	0
Fluoranthene	1.302	1.23	.05	5.5	20	127	0
Benzidine	1000	819.932	.05	18	20	101	0
Pyrene	1.382	1.297	.05	6.2	20	125	0
4-Terphenyl-d14	0.994	0.851	.05	14.4	20	118	0
Chrysene-d12	1	1	.05	0	20	124	0
Benzo[a]anthracene	1000	925.257	.05	7.5	20	111	0
3,3'-Dichlorobenzidine	0.455	0.46	.05	-1.1	20	124	0
Chrysene	1.386	1.333	.05	3.8	20	121	0
Bis(2-ethylhexyl)phthalate	1000	1043.785	.05	-4.4	20	127	0
Perylene-d12	1	1	.05	0	20	123	0
Benzo[b]fluoranthene	1.152	1.076	.05	6.6	20	113	0
Benzo[k]fluoranthene	0.995	1.049	.05	-5.4	20	115	0
Benzo[a]pyrene	0.933	0.969	.05	-3.9	20	115	0
Indeno[1,2,3-cd]pyrene	1.044	1.033	.05	1.1	20	117	0
Dibenzo[a,h]anthracene	0.95	1.07	.05	-12.6	20	121	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.057	1.034	.05	2.2	20	118	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : ccv0622a.D
Acq On : 22 Jun 2025 09:24 pm
Operator : SV118:slr
Sample : WG2082077-3,32,,ICV 11275 (0621d)
Misc : WG2082077,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 21:43:16 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:57 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
2	T	N-Nitrosodimethylamine	0.000	0.685	0.0	0#	0.00
3	s	2-Fluorophenol	1.223	1.182	3.4	71	0.00
4	s	Phenol-d6	1.466	1.402	4.4	70	0.00
5	T	Bis(2-chloroethyl)ether	1.301	1.231	5.4	72	0.00
6	T	n-nitrosodi-n-propylamine	0.835	0.823	1.4	69	0.00
7	t	Hexachloroethane	0.544	0.561	-3.1	76	0.00
8	s	Nitrobenzene-d5	1.197	1.207	-0.8	71	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	76	0.00
10	t	Naphthalene	1.137	1.107	2.6	76	0.00
11	t	Hexachlorobutadiene	0.204	0.181	11.3	67	0.00
12	t	2-Methylnaphthalene	0.707	0.697	1.4	75	0.00
13	t	1-Methylnaphthalene	0.719	0.709	1.4	75	0.00
14	s	2-Fluorobiphenyl	0.876	0.850	3.0	77	0.00
15	t	2-Chloronaphthalene	0.765	0.753	1.6	75	0.00
16	t	2,6-Dinitrotoluene	0.170	0.175	-2.9	72	0.00
17	t	Acenaphthylene	1.170	1.261	-7.8	77	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	73	0.00
19	t	Acenaphthene	1.424	1.461	-2.6	76	0.00
20	t	2,4-Dinitrotoluene	0.411	0.452	-10.0	72	0.00
21	t	Fluorene	1.566	1.644	-5.0	76	0.00
22	s	2,4,6-Tribromophenol	0.185	0.198	-7.0	67	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	69	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	778.367	22.2#	58	0.00
25	t	Hexachlorobenzene	0.265	0.268	-1.1	71	0.00
26	t	Pentachlorophenol	*1000.000	865.852	13.4	57	0.00
27	t	Phenanthrene	1.211	1.248	-3.1	73	0.00
28	t	Anthracene	1.202	1.299	-8.1	74	0.00
29	t	Fluoranthene	1.379	1.445	-4.8	72	0.00
30	t	Pyrene	1.427	1.489	-4.3	71	0.00
31	T	Benzidine	0.000	0.864	0.0	0#	0.00
32	s	4-Terphenyl-d14	0.929	0.851	8.4	65	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	63	0.00
34	t	Benzo[a]anthracene	0.423	0.422	0.2	65	0.00
35	t	3,3'-Dichlorobenzidine	0.534	0.631	-18.2	69	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : ccv0622a.D
Acq On : 22 Jun 2025 09:24 pm
Operator : SV118:slr
Sample : WG2082077-3,32,,ICV 11275 (0621d)
Misc : WG2082077,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 21:43:16 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:57 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.380	1.468	-6.4	67	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	1171.655	-17.2	80	0.00
38	i	Perylene-d12	1.000	1.000	0.0	65	0.00
39	t	Benzo[b]fluoranthene	1.316	1.436	-9.1	69	0.00
40	t	Benzo[k]fluoranthene	1.252	1.441	-15.1	69	0.00
41	t	Benzo[a]pyrene	1.095	1.337	-22.1#	72	0.00
42	t	Indeno[1,2,3-cd]pyrene	0.971	1.293	-33.2#	79	0.00
43	t	Dibenzo[a,h]anthracene	0.937	1.260	-34.5#	77	0.00
44	t	Benzo[g,h,i]perylene	1.026	1.348	-31.4#	79	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : ccv0622a.D
Acq On : 22 Jun 2025 09:24 pm
Operator : SV118:slr
Sample : WG2082077-3,32,,ICV 11275 (0621d)
Misc : WG2082077,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 21:43:16 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:57 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.085	152	350682	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.756	136	1329126	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.743	164	715690	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.589	188	1365150	4000.000	ng/ml	0.00
33) Chrysene-d12	6.139	240	1174227	4000.000	ng/ml	0.00
38) Perylene-d12	7.274	264	1195968	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.490	112	103595	966.067	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.30%			
4) Phenol-d6	1.901	99	122918	956.653	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 47.83%			
8) Nitrobenzene-d5	2.370	82	105807	1008.450	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.85%			
14) 2-Fluorobiphenyl	3.363	172	282528	970.743	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 97.07%			
22) 2,4,6-Tribromophenol	4.194	330	35462	1071.141	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.56%			
32) 4-Terphenyl-d14	5.521	244	290434	915.818	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 91.58%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.055	74	60063	No Calib #		
5) Bis(2-chloroethyl)ether	1.954	93	107887	945.667	ng/ml	97
6) n-nitrosodi-n-propylamine	2.293	70	72135	985.941	ng/ml	96
7) Hexachloroethane	2.343	117	49148	1029.897	ng/ml	96
10) Naphthalene	2.767	128	367945	974.241	ng/ml	100
11) Hexachlorobutadiene	2.843	225	60092	888.567	ng/ml	100
12) 2-Methylnaphthalene	3.152	142	231581	985.442	ng/ml	100
13) 1-Methylnaphthalene	3.210	142	235501	986.013	ng/ml	100
15) 2-Chloronaphthalene	3.424	162	250332	984.544	ng/ml	99
16) 2,6-Dinitrotoluene	3.629	165	58171	1026.839	ng/ml	98
17) Acenaphthylene	3.660	152	418954	1077.588	ng/ml	99
19) Acenaphthene	3.760	153	261361	1025.837	ng/ml	99
20) 2,4-Dinitrotoluene	3.858	165	80924	1100.099	ng/ml	98
21) Fluorene	4.054	166	294062	1049.770	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.090	198	33339	778.367	ng/ml	98
25) Hexachlorobenzene	4.374	284	91482	1011.810	ng/ml	95
26) Pentachlorophenol	4.488	266	39731	865.852	ng/ml	100
27) Phenanthrene	4.601	178	425787	1030.164	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : ccv0622a.D
Acq On : 22 Jun 2025 09:24 pm
Operator : SV118:slr
Sample : WG2082077-3,32,,ICV 11275 (0621d)
Misc : WG2082077,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 21:43:16 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:57 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.630	178	443407	1080.846	ng/ml	99
29) Fluoranthene	5.288	202	493158	1047.636	ng/ml	97
30) Pyrene	5.419	202	508097	1042.985	ng/ml	100
31) Benzidine	5.374	184	294928	No Calib	#	
34) Benzo[a]anthracene	6.132	226	123899	998.605	ng/ml#	99
35) 3,3'-Dichlorobenzidine	6.125	252	185355	1181.699	ng/ml#	98
36) Chrysene	6.153	228	430972	1063.819	ng/ml#	100
37) Bis(2-ethylhexyl)phtha...	6.177	149	327573	1171.655	ng/ml	99
39) Benzo[b]fluoranthene	6.924	252	429204	1090.672	ng/ml	100
40) Benzo[k]fluoranthene	6.948	252	430745	1150.404	ng/ml	100
41) Benzo[a]pyrene	7.214	252	399755	1220.790	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.424	276	386655	1332.065	ng/ml#	89
43) Dibenzo[a,h]anthracene	8.465	278	376851	1344.802	ng/ml#	90
44) Benzo[g,h,i]perylene	8.741	276	402960	1313.799	ng/ml#	88

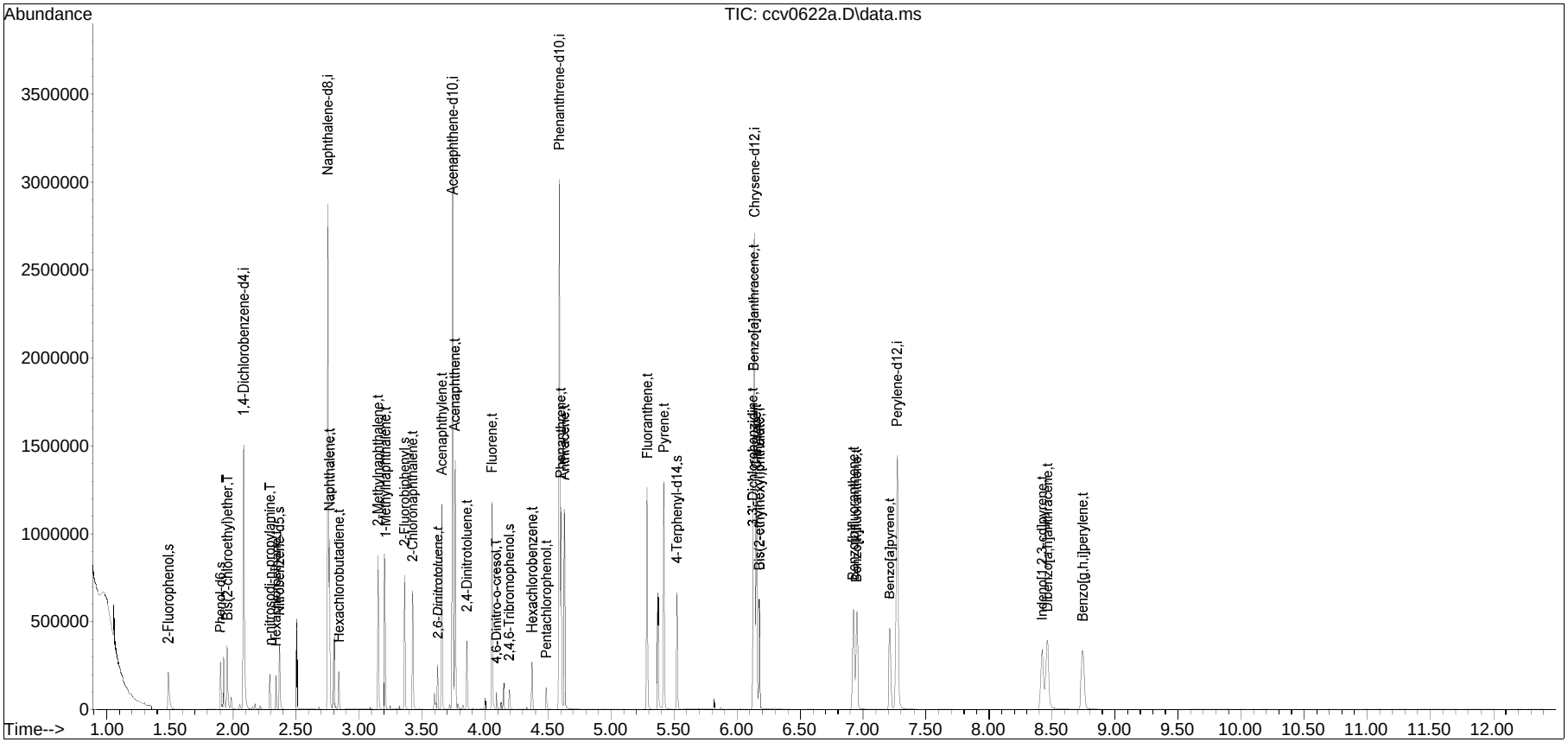
(#) = qualifier out of range (m) = manual integration (+) = signals summed

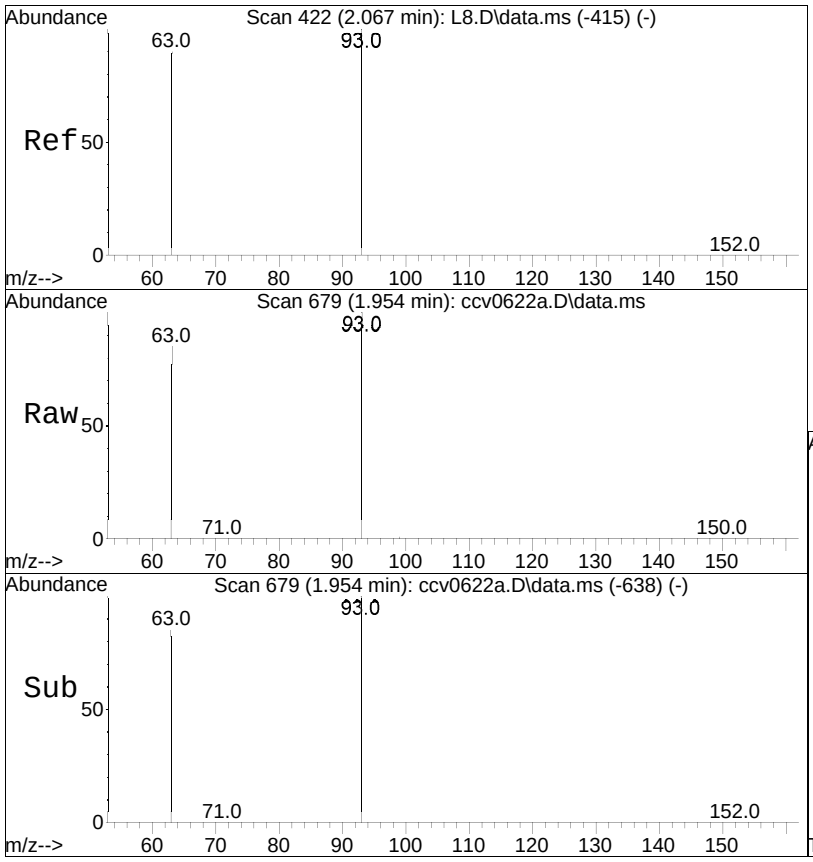
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : ccv0622a.D
Acq On : 22 Jun 2025 09:24 pm
Operator : SV118:slr
Sample : WG2082077-3,32,,ICV 11275 (0621d)
Misc : WG2082077,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 22 21:43:16 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 22 21:43:57 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

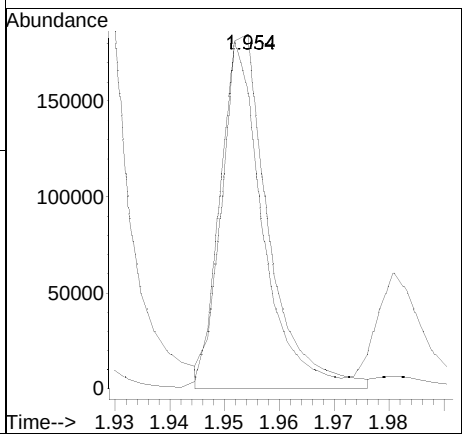


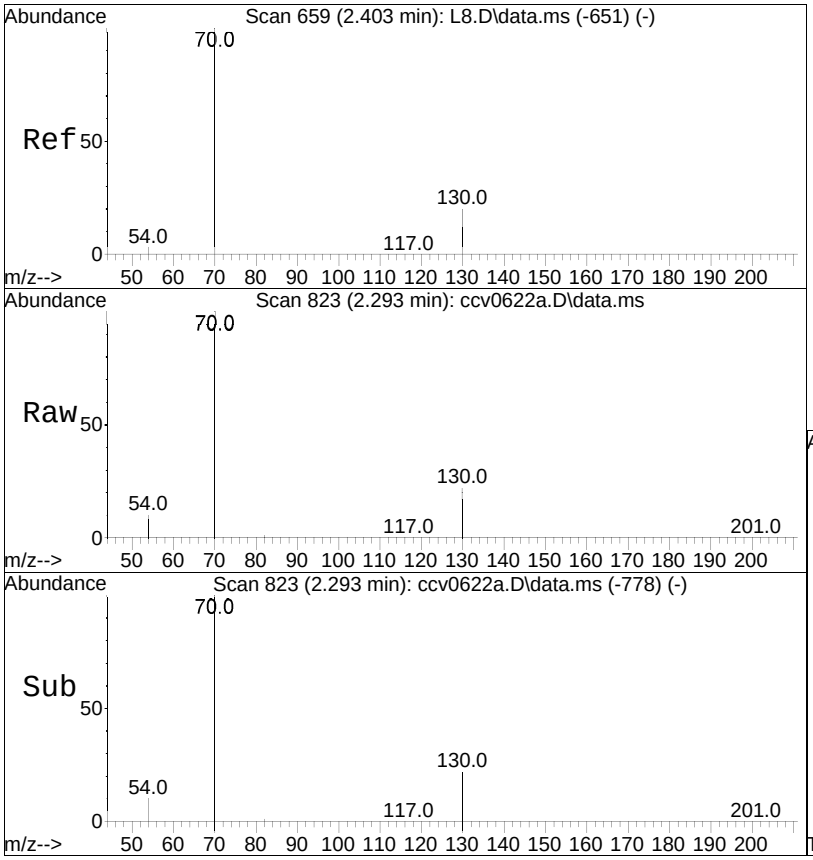


#5
Bis(2-chloroethyl)ether
Concen: 945.67 ng/ml
RT: 1.954 min Scan# 679
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion: 93 Resp: 107887

Ion	Ratio	Lower	Upper
93	100		
63	90.5	70.2	105.4

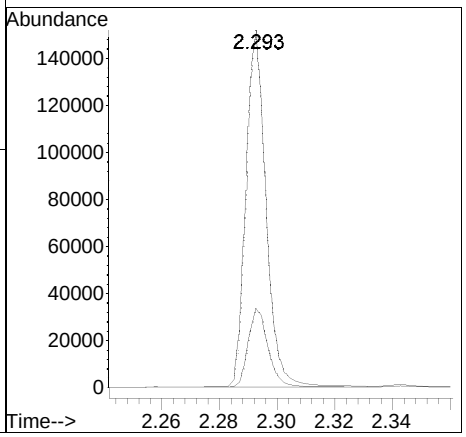


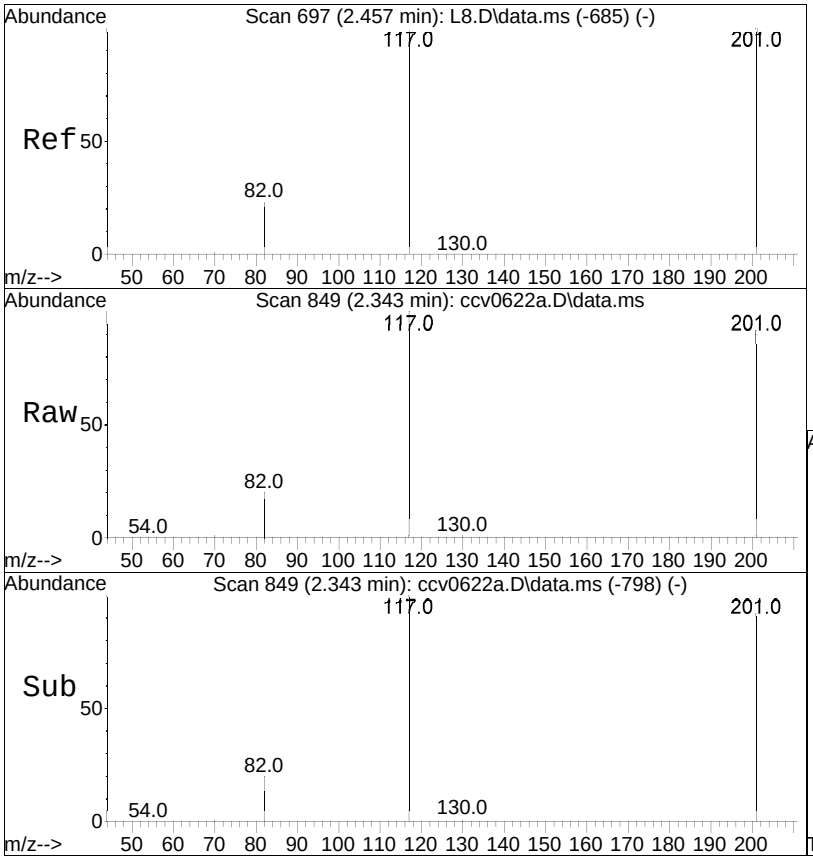


#6
n-nitrosodi-n-propylamine
Concen: 985.94 ng/ml
RT: 2.293 min Scan# 823
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion: 70 Resp: 72135

Ion	Ratio	Lower	Upper
70	100		
130	22.0	16.2	24.4

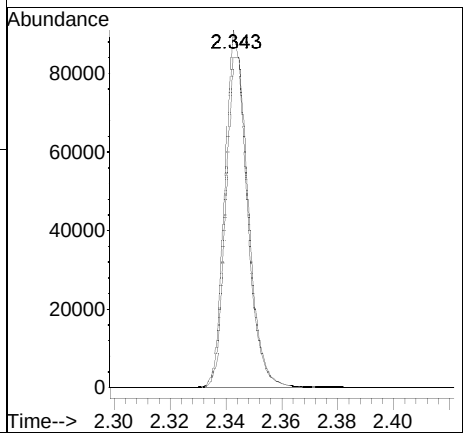


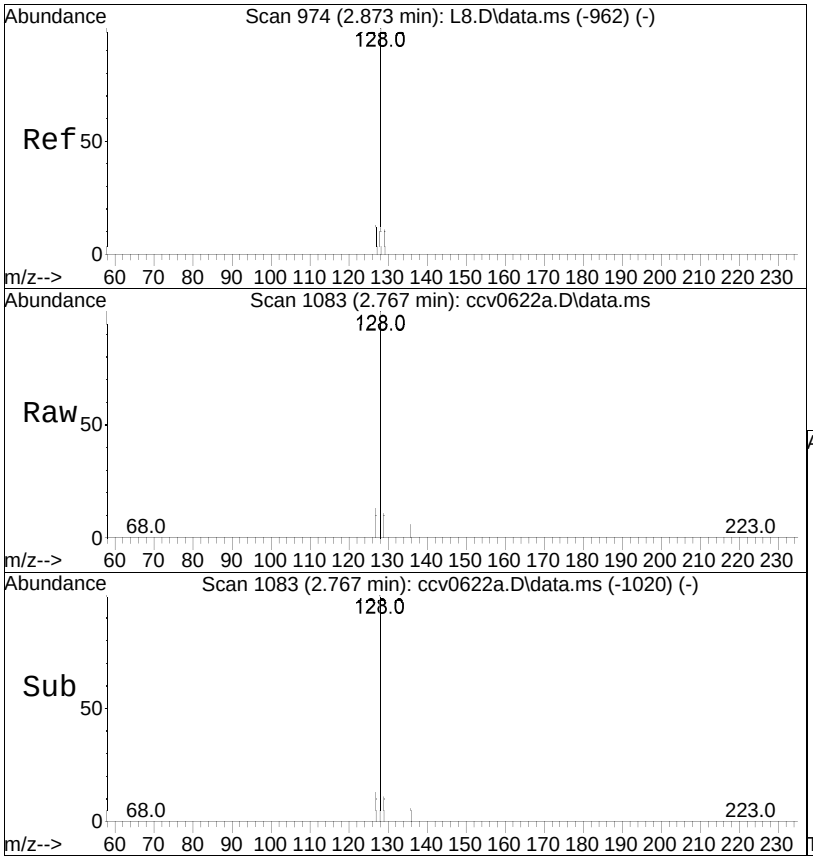


#7
Hexachloroethane
Concen: 1029.90 ng/ml
RT: 2.343 min Scan# 849
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:117 Resp: 49148

Ion	Ratio	Lower	Upper
117	100		
201	96.2	80.5	120.7

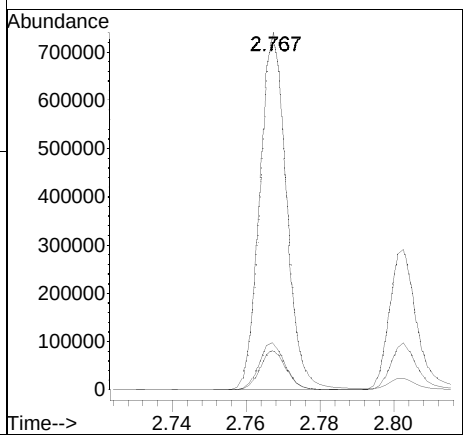


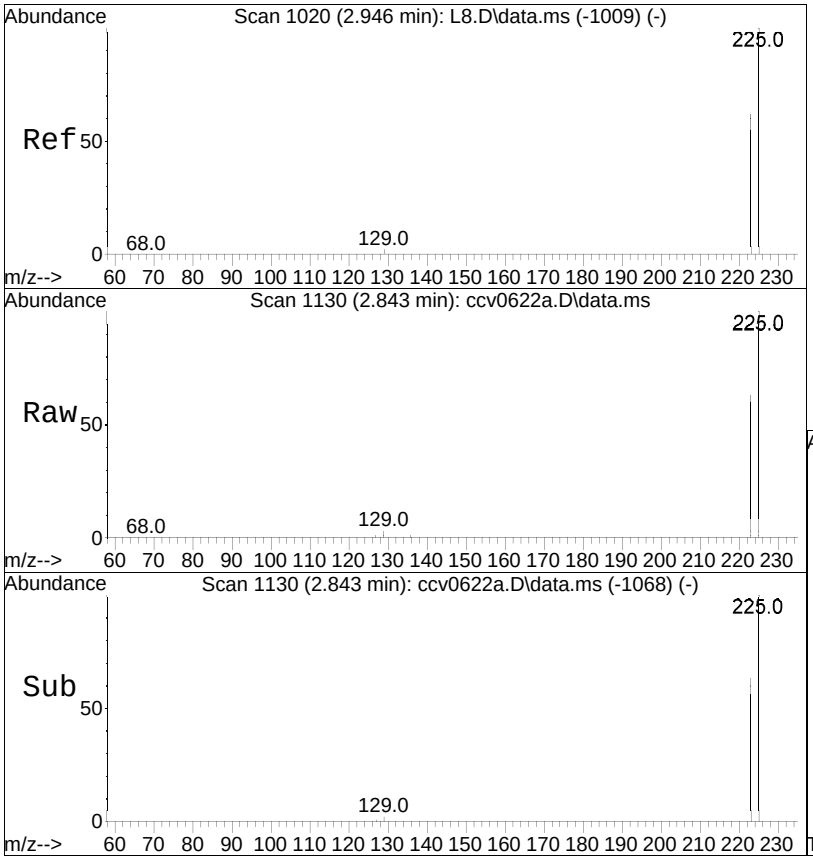


#10
Naphthalene
Concen: 974.24 ng/ml
RT: 2.767 min Scan# 1083
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:128 Resp: 367945

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.6	15.8

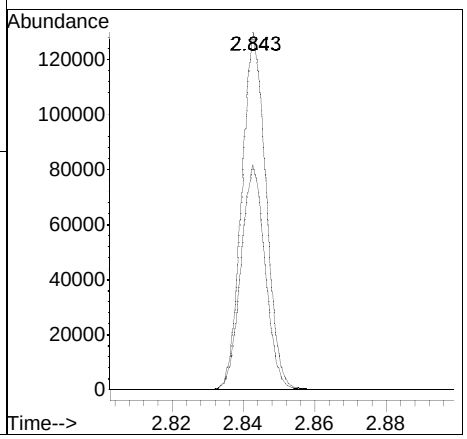


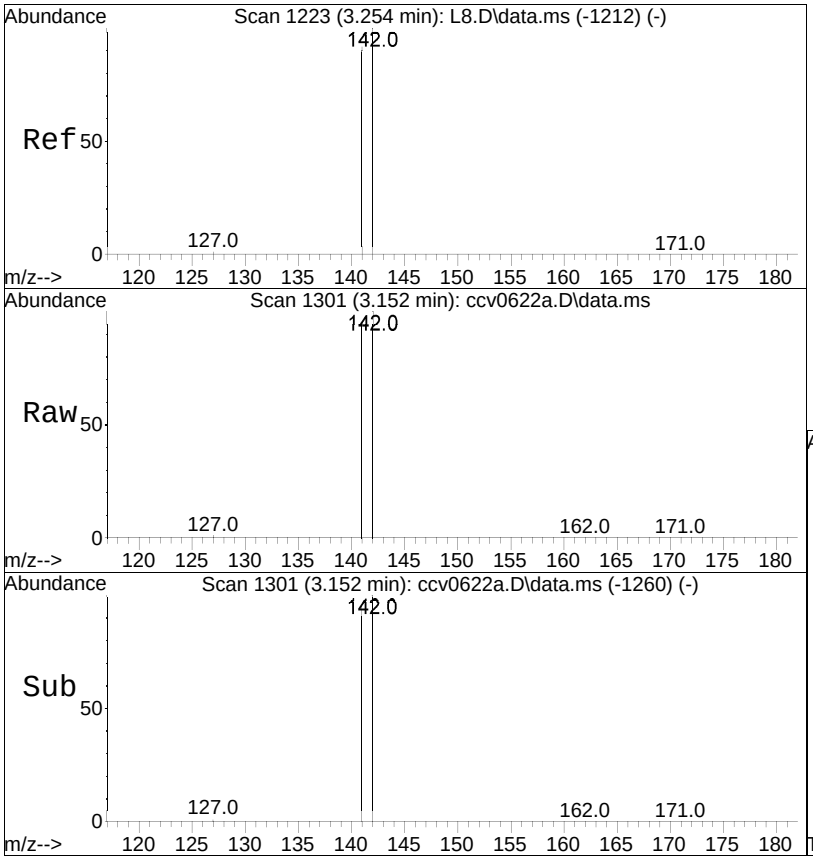


#11
Hexachlorobutadiene
Concen: 888.57 ng/ml
RT: 2.843 min Scan# 1130
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:225 Resp: 60092

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.2

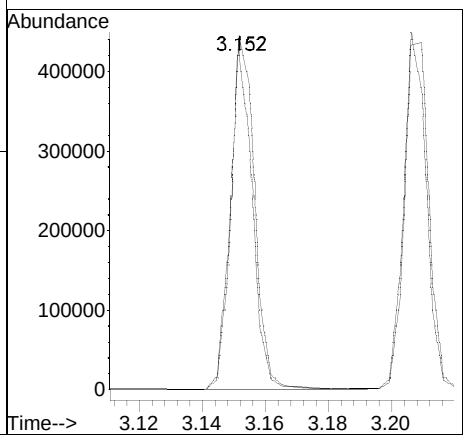


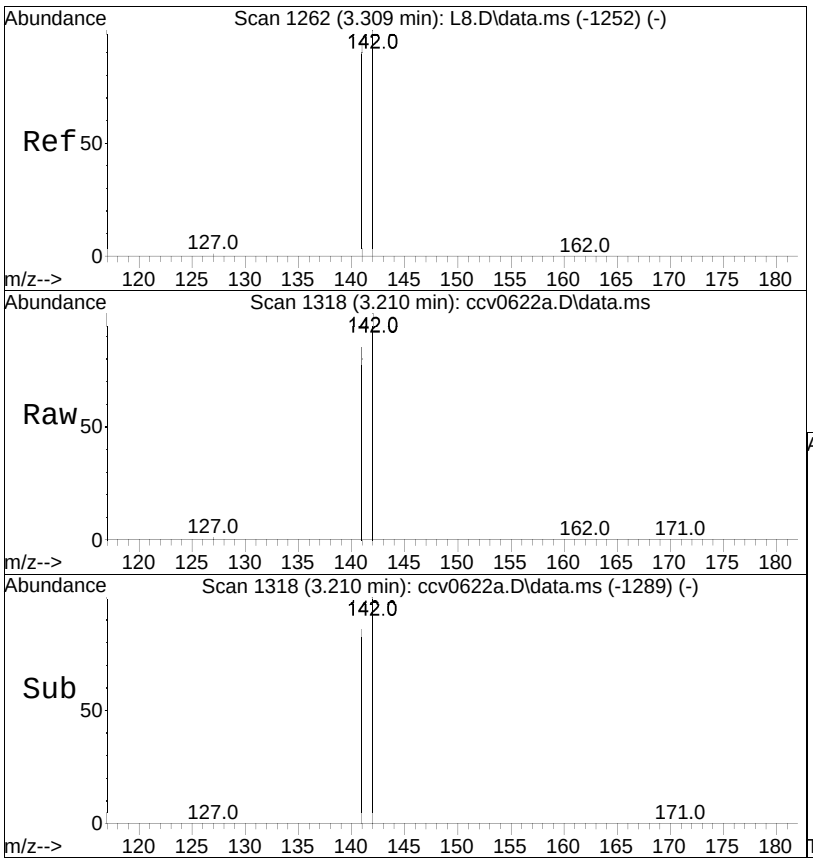


#12
2-Methylnaphthalene
Concen: 985.44 ng/ml
RT: 3.152 min Scan# 1301
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:142 Resp: 231581

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.4	110.2

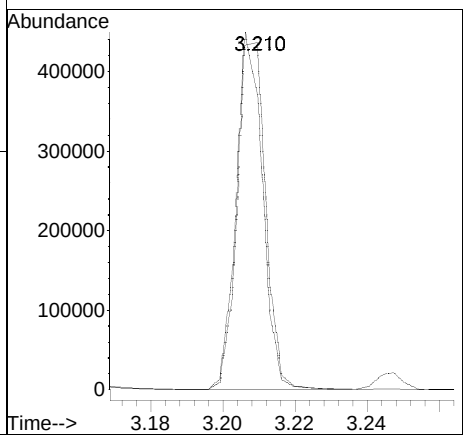


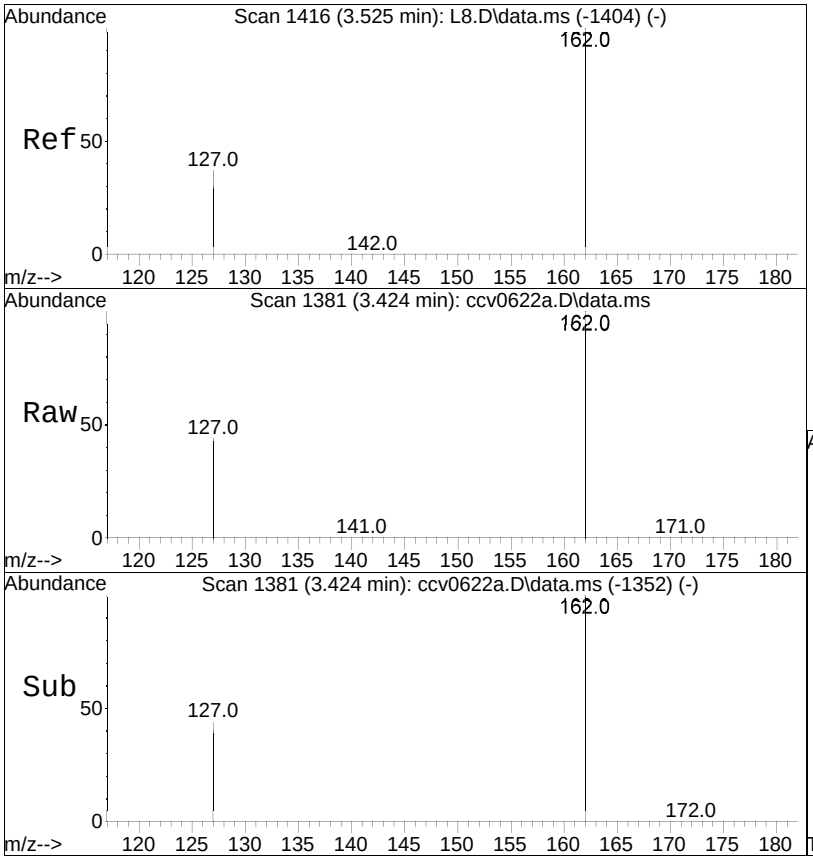


#13
1-Methylnaphthalene
Concen: 986.01 ng/ml
RT: 3.210 min Scan# 1318
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:142 Resp: 235501

Ion	Ratio	Lower	Upper
142	100		
141	95.1	76.0	114.0

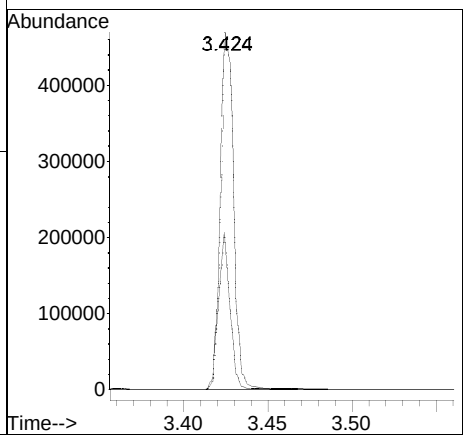


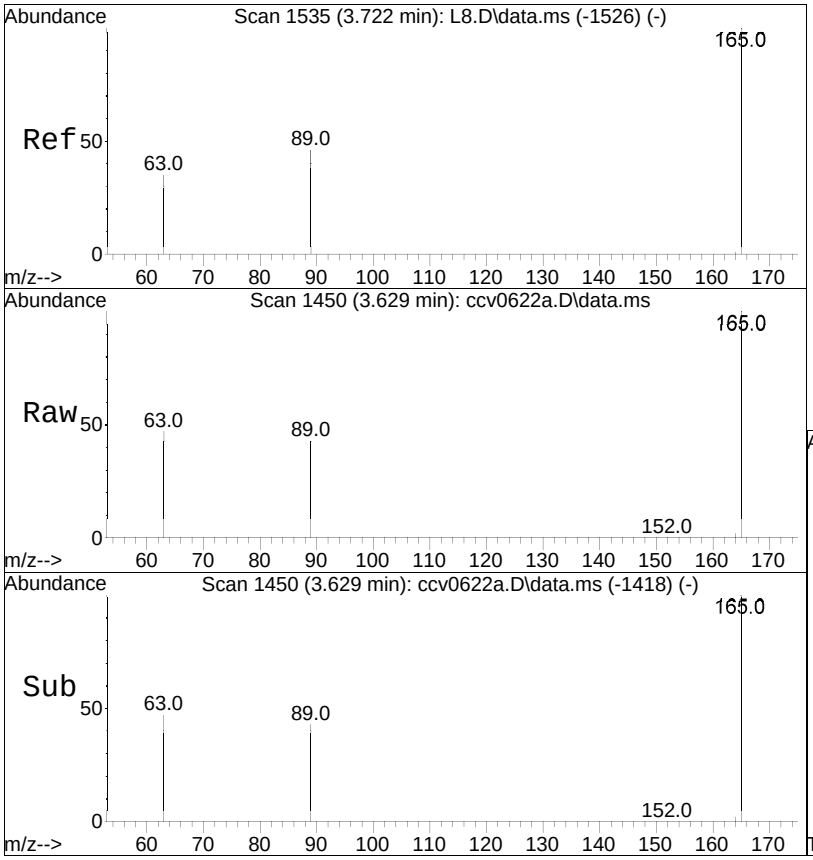


#15
2-Chloronaphthalene
Concen: 984.54 ng/ml
RT: 3.424 min Scan# 1381
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:162 Resp: 250332

Ion	Ratio	Lower	Upper
162	100		
127	39.3	31.0	46.6

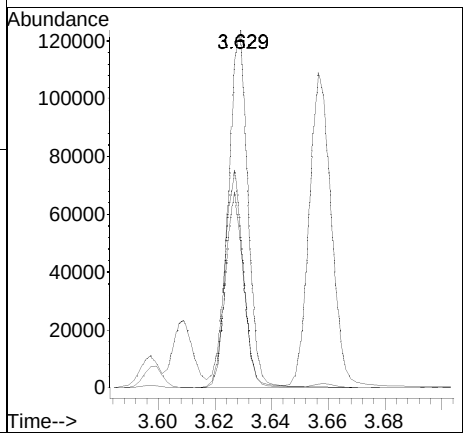


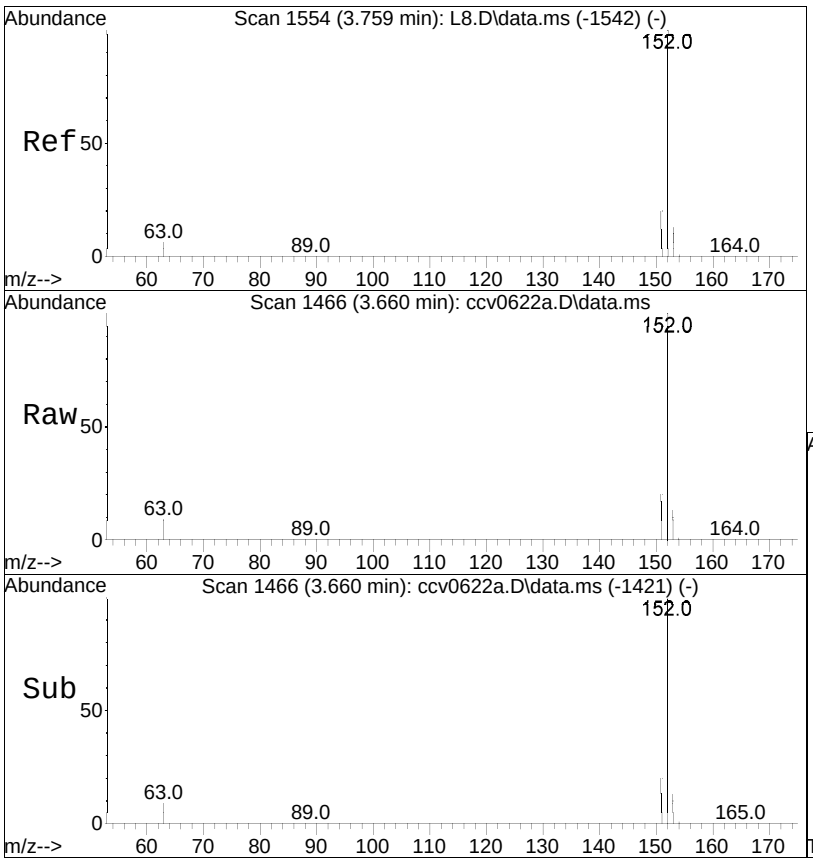


#16
2,6-Dinitrotoluene
Concen: 1026.84 ng/ml
RT: 3.629 min Scan# 1450
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:165 Resp: 58171

Ion	Ratio	Lower	Upper
165	100		
89	52.6	43.2	64.8
63	59.7	46.4	69.6

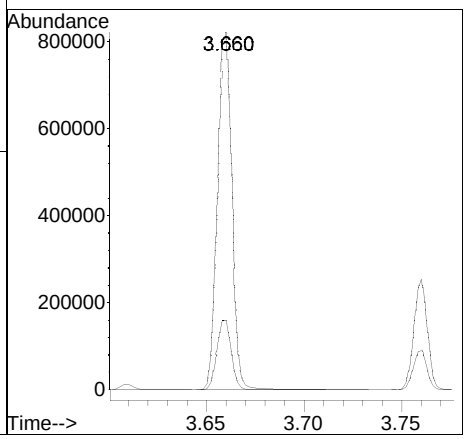


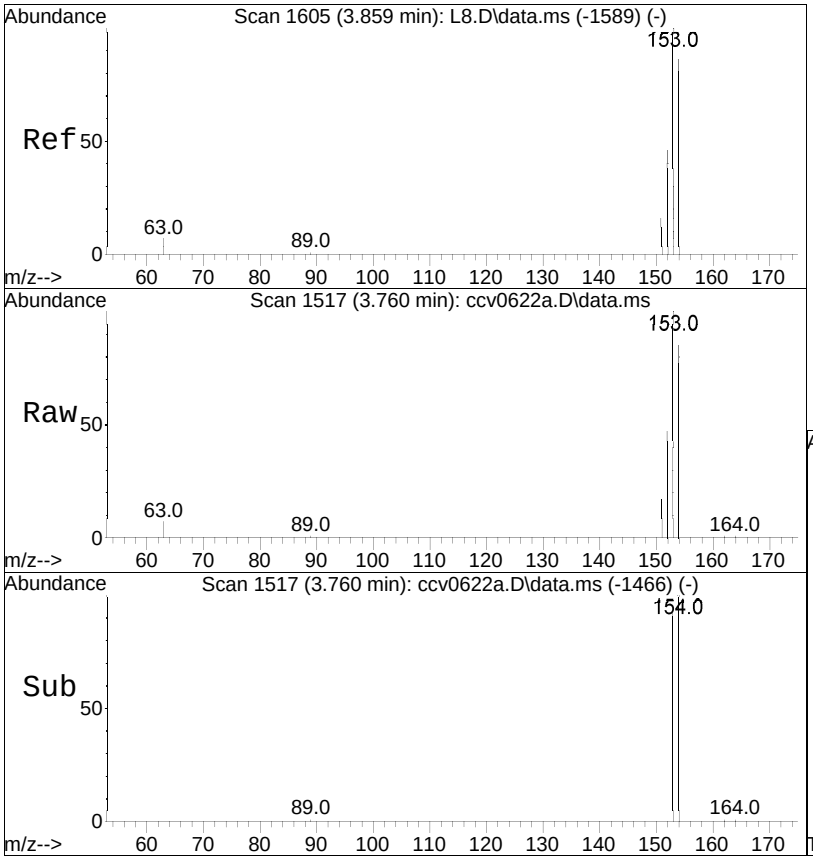


#17
Acenaphthylene
Concen: 1077.59 ng/ml
RT: 3.660 min Scan# 1466
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:152 Resp: 418954

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0

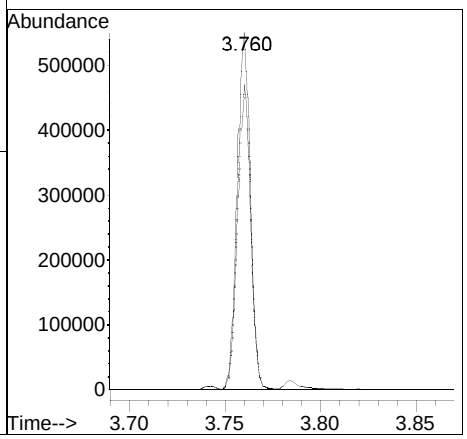


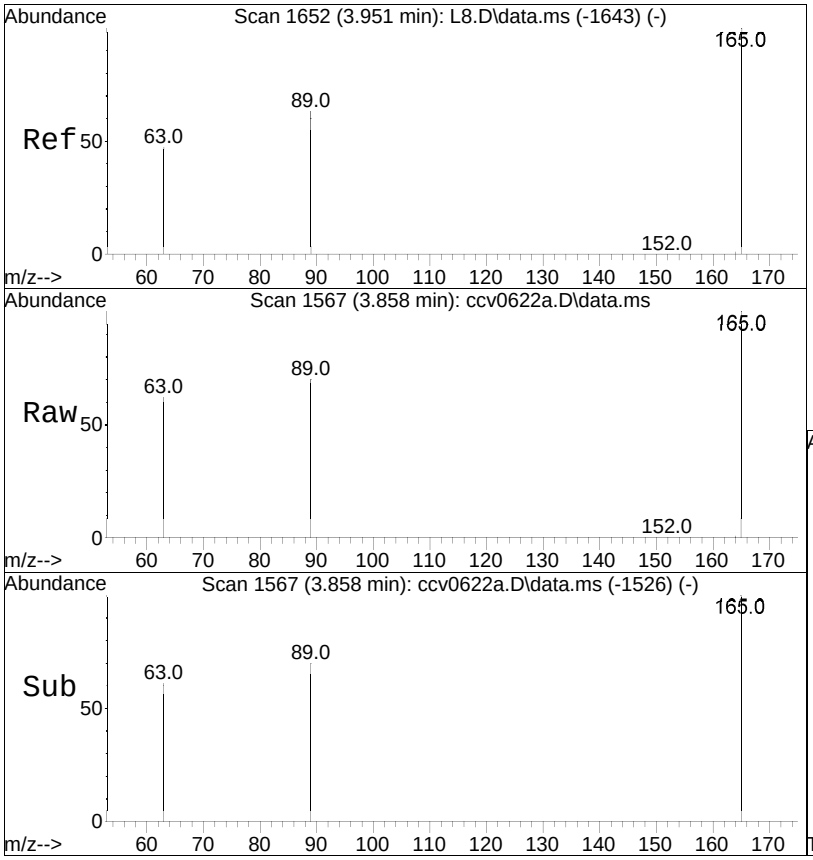


#19
Acenaphthene
Concen: 1025.84 ng/ml
RT: 3.760 min Scan# 1517
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:153 Resp: 261361

Ion	Ratio	Lower	Upper
153	100		
154	83.8	67.9	101.9

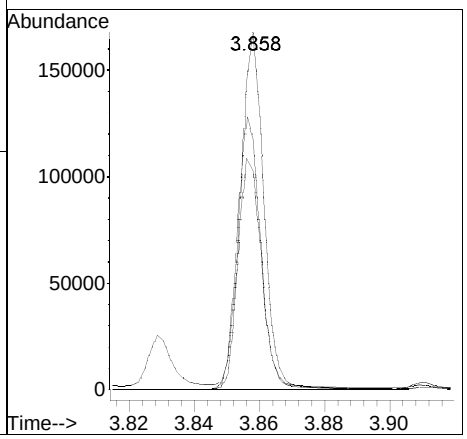


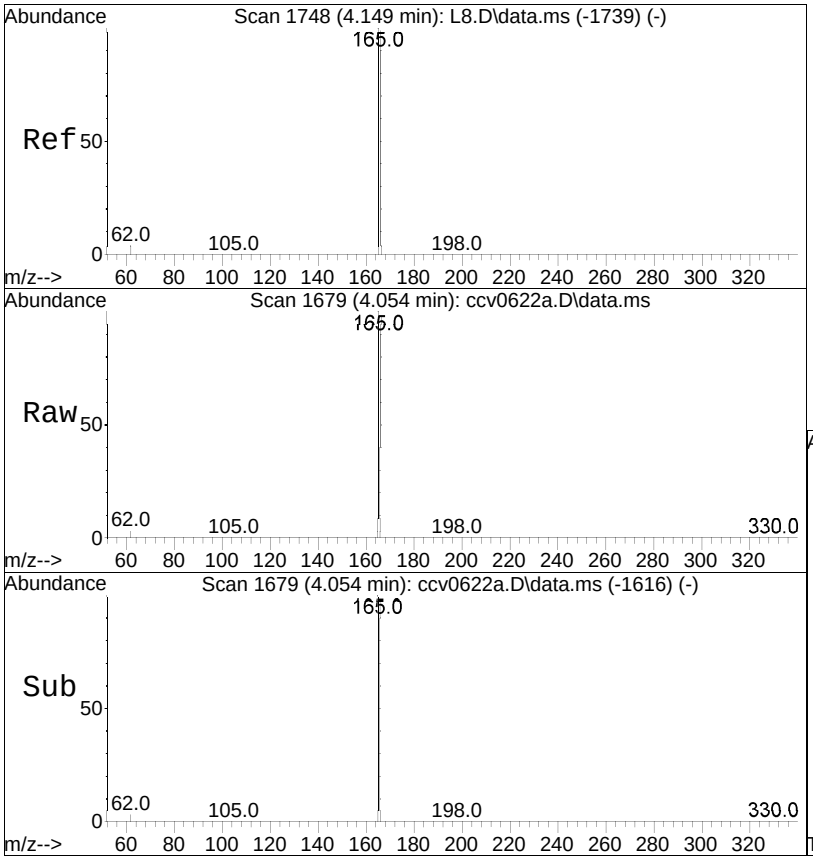


#20
2,4-Dinitrotoluene
Concen: 1100.10 ng/ml
RT: 3.858 min Scan# 1567
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:165 Resp: 80924

Ion	Ratio	Lower	Upper
165	100		
89	78.6	63.9	95.9
63	68.1	53.0	79.6

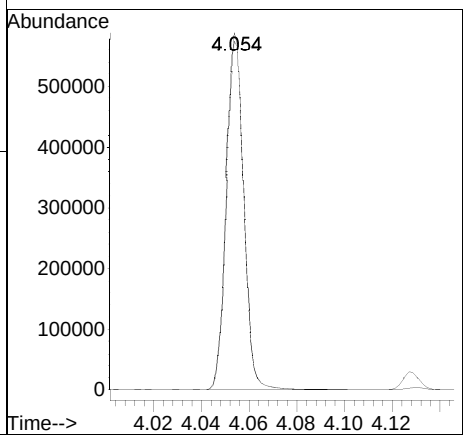


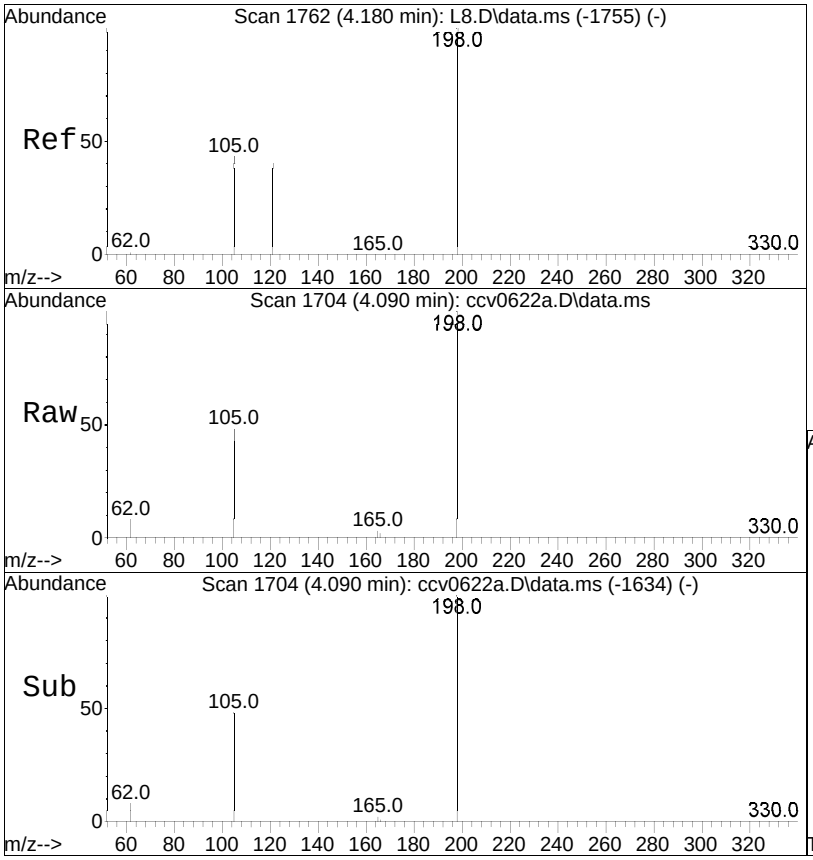


#21
Fluorene
Concen: 1049.77 ng/ml
RT: 4.054 min Scan# 1679
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:166 Resp: 294062

Ion	Ratio	Lower	Upper
166	100		
165	101.9	81.3	121.9

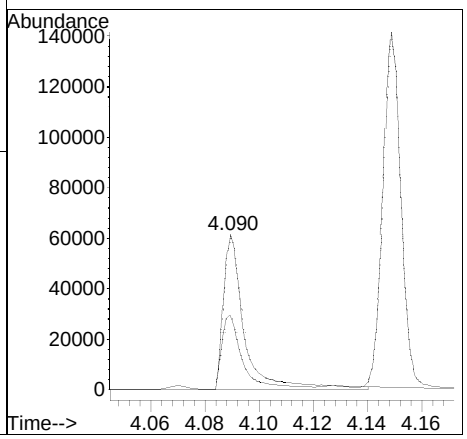


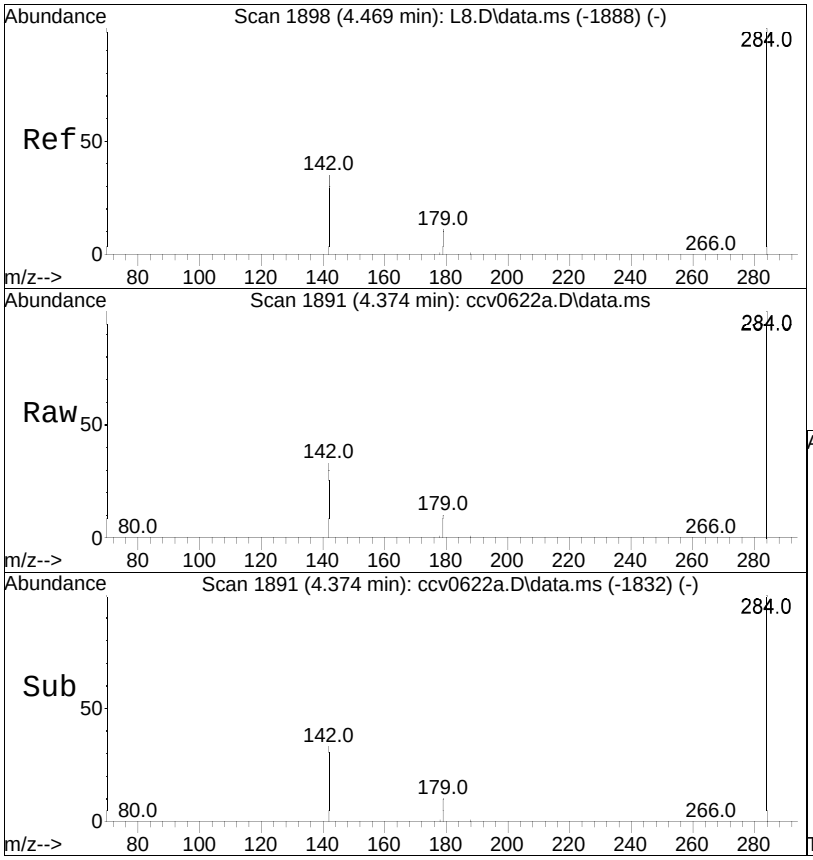


#24
4,6-Dinitro-o-cresol
Concen: 778.37 ng/ml
RT: 4.090 min Scan# 1704
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:198 Resp: 33339

Ion	Ratio	Lower	Upper
198	100		
105	46.0	35.5	53.3

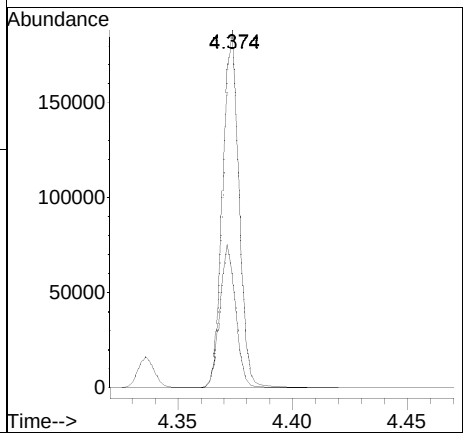


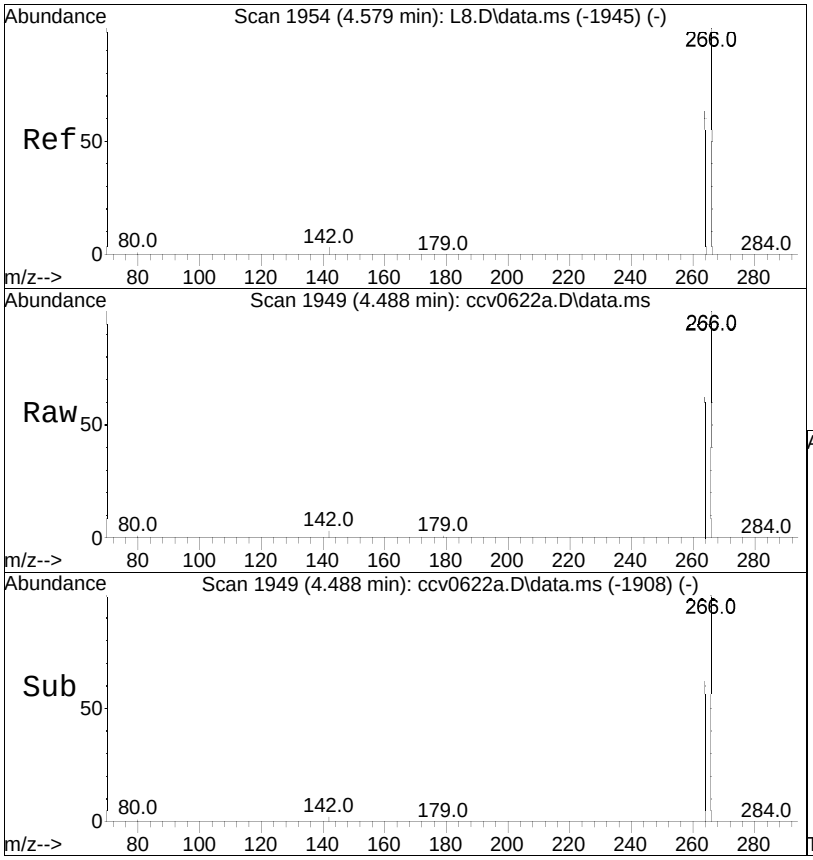


#25
Hexachlorobenzene
Concen: 1011.81 ng/ml
RT: 4.374 min Scan# 1891
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:284 Resp: 91482

Ion	Ratio	Lower	Upper
284	100		
142	39.1	29.0	43.4

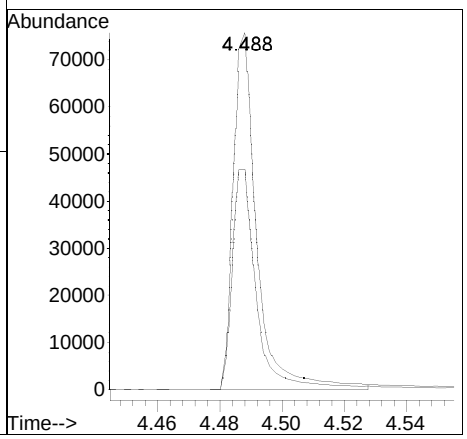


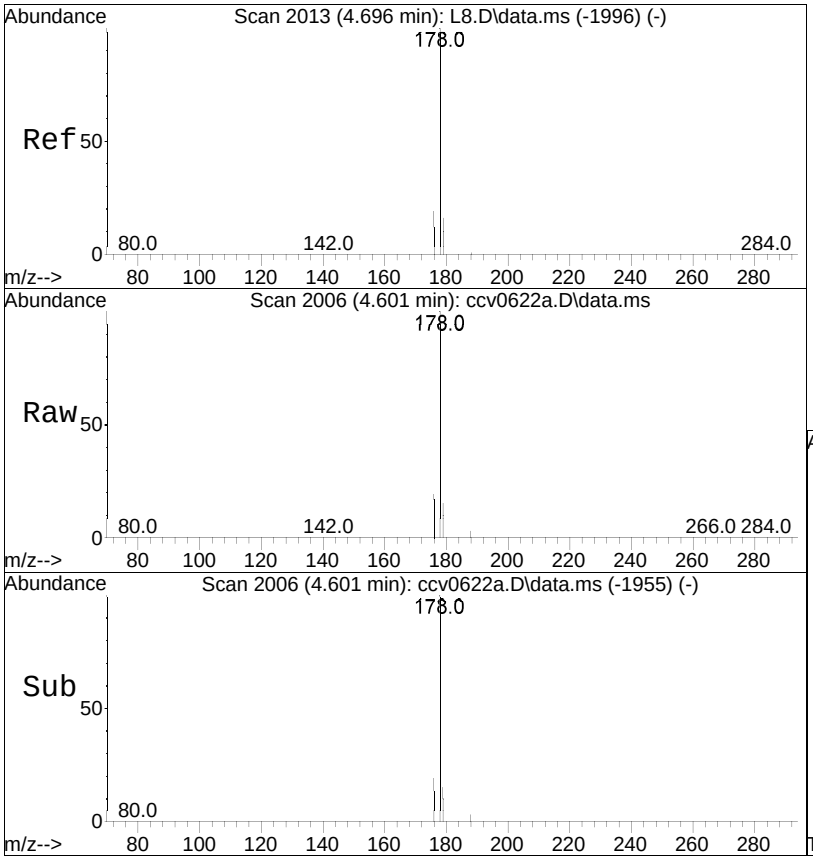


#26
Pentachlorophenol
Concen: 865.85 ng/ml
RT: 4.488 min Scan# 1949
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:266 Resp: 39731

Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.3	75.5

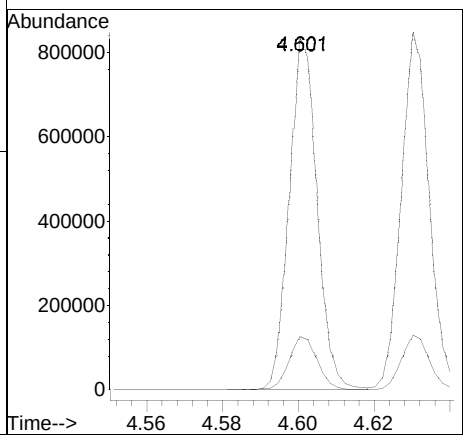


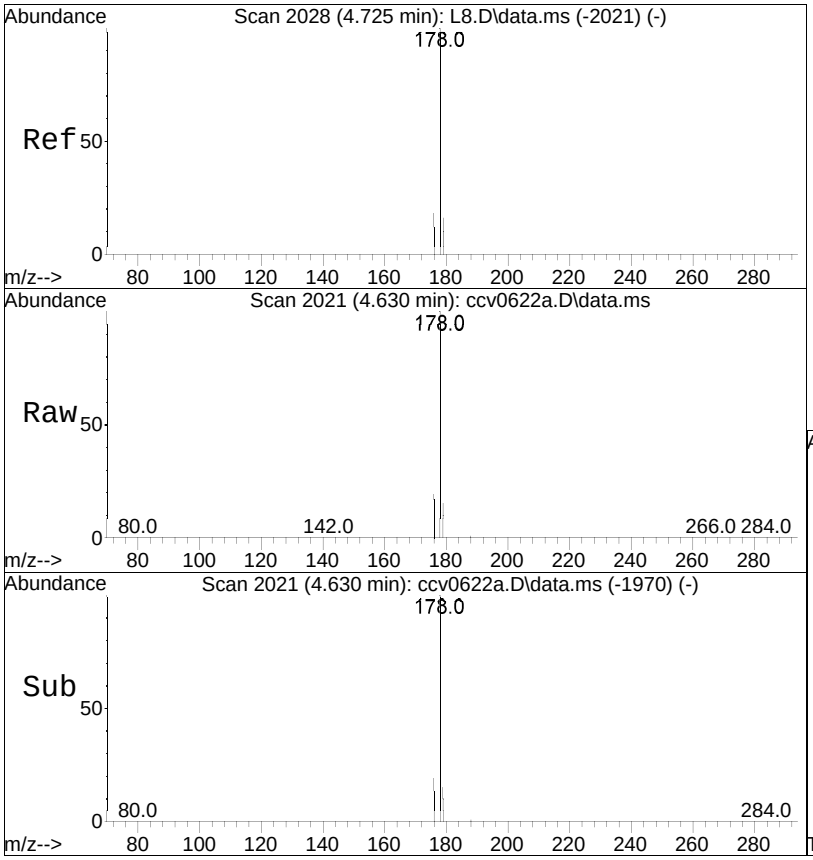


#27
Phenanthrene
Concen: 1030.16 ng/ml
RT: 4.601 min Scan# 2006
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:178 Resp: 425787

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.6	18.8

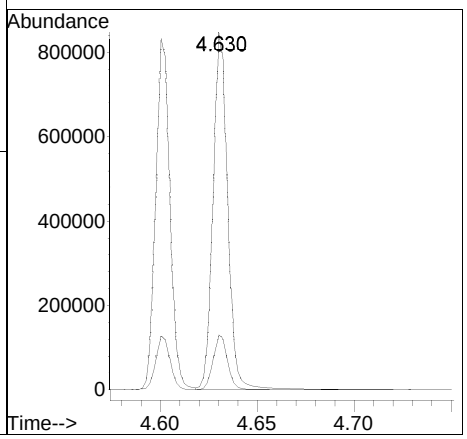


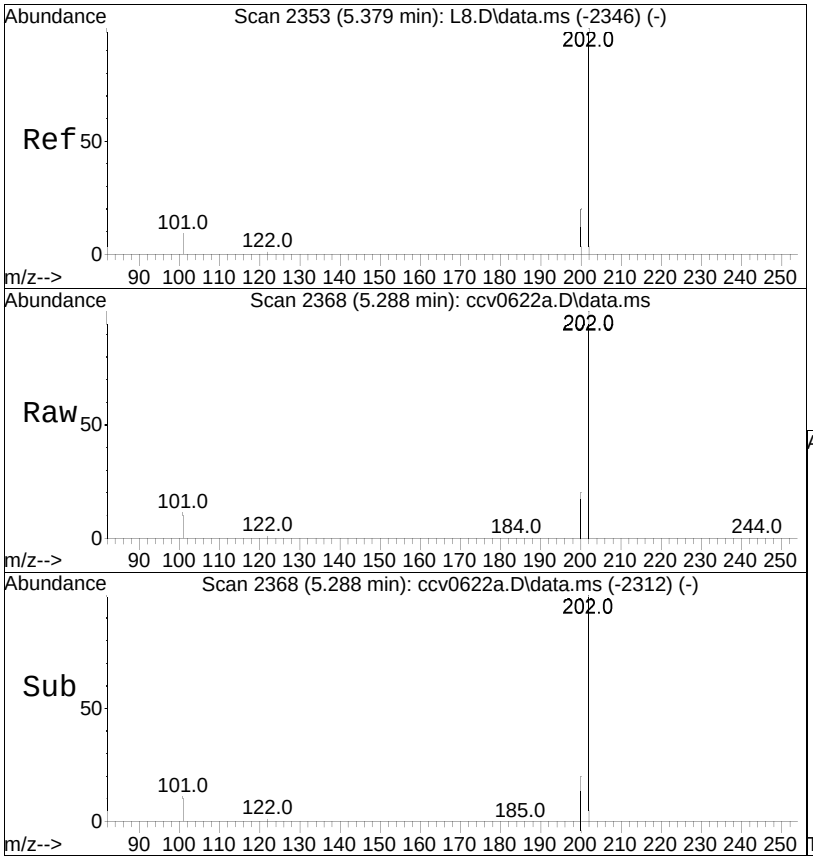


#28
Anthracene
Concen: 1080.85 ng/ml
RT: 4.630 min Scan# 2021
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:178 Resp: 443407

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.4	18.6

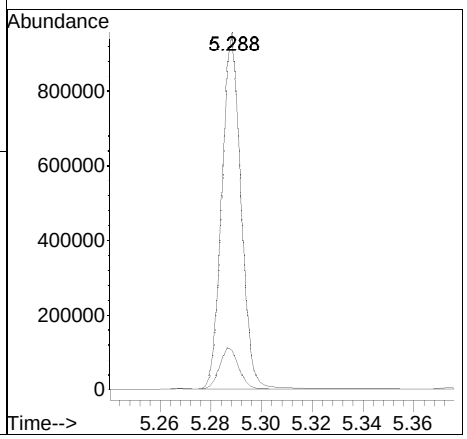


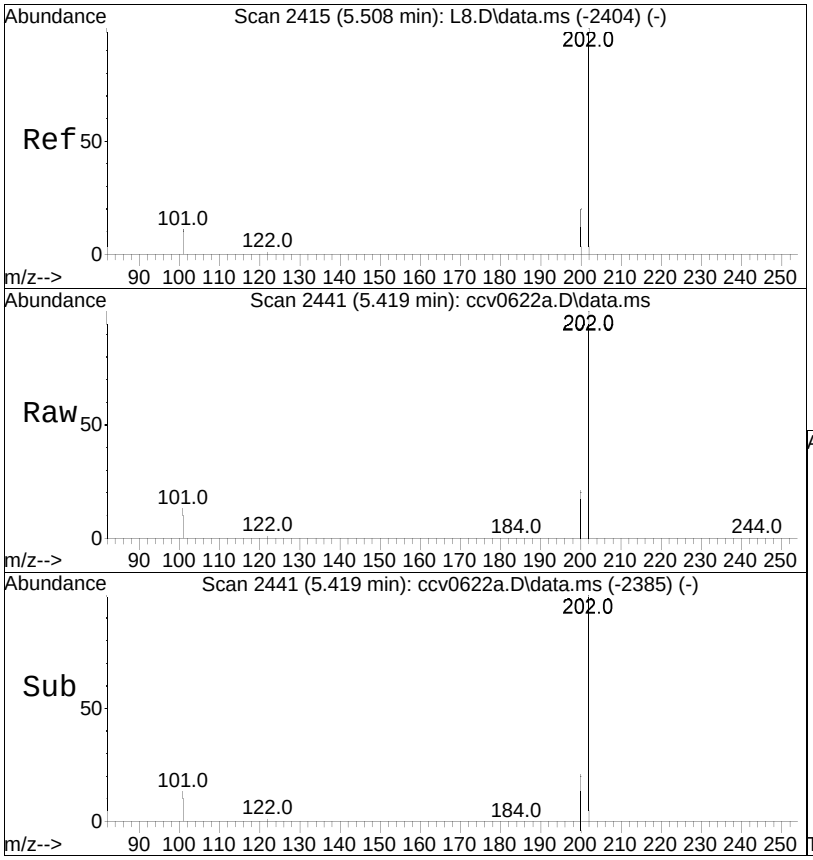


#29
Fluoranthene
Concen: 1047.64 ng/ml
RT: 5.288 min Scan# 2368
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:202 Resp: 493158

Ion	Ratio	Lower	Upper
202	100		
101	12.1	8.8	13.2

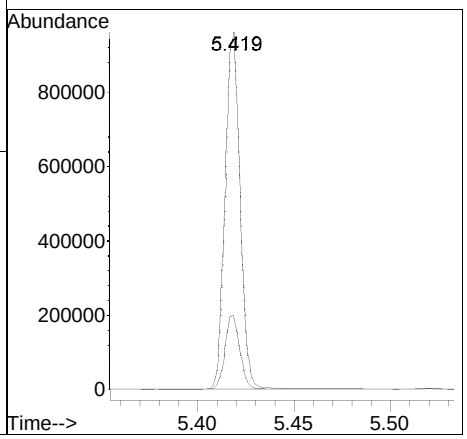


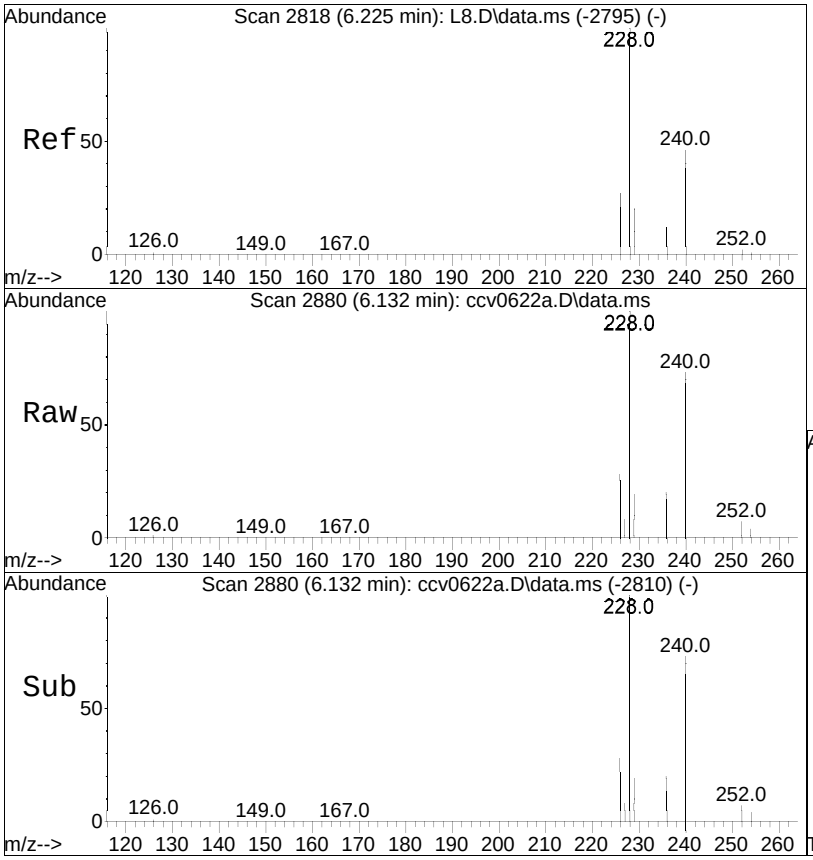


#30
Pyrene
Concen: 1042.98 ng/ml
RT: 5.419 min Scan# 2441
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:202 Resp: 508097

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3

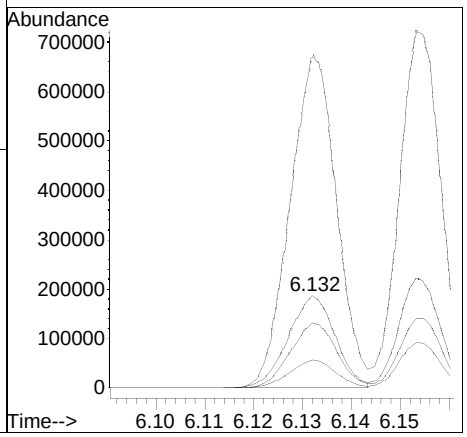


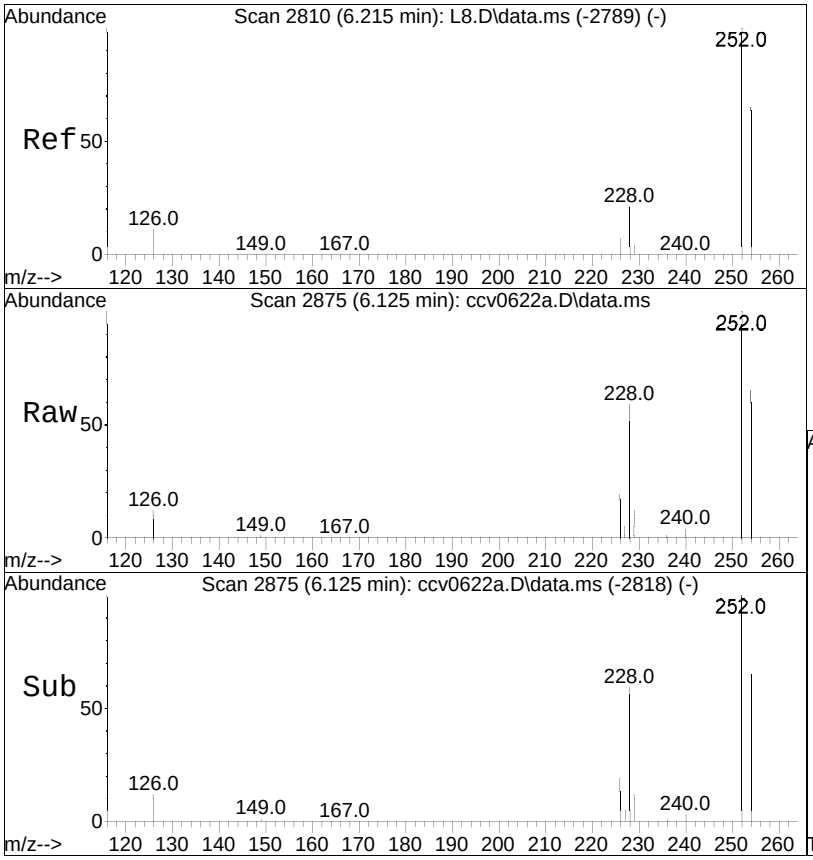


#34
Benzo[a]anthracene
Concen: 998.60 ng/ml
RT: 6.132 min Scan# 2880
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:226 Resp: 123899

Ion	Ratio	Lower	Upper
226	100		
227	29.5	0.0	0.0#
228	357.6	288.7	433.1
229	69.7	56.8	85.2

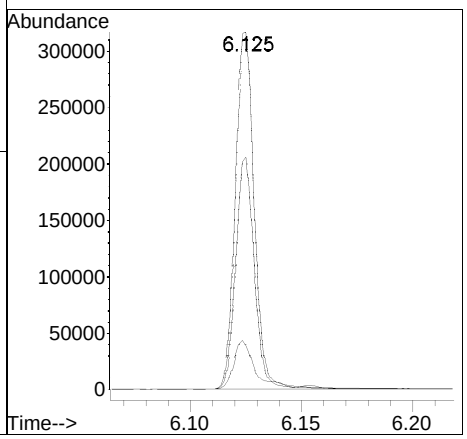


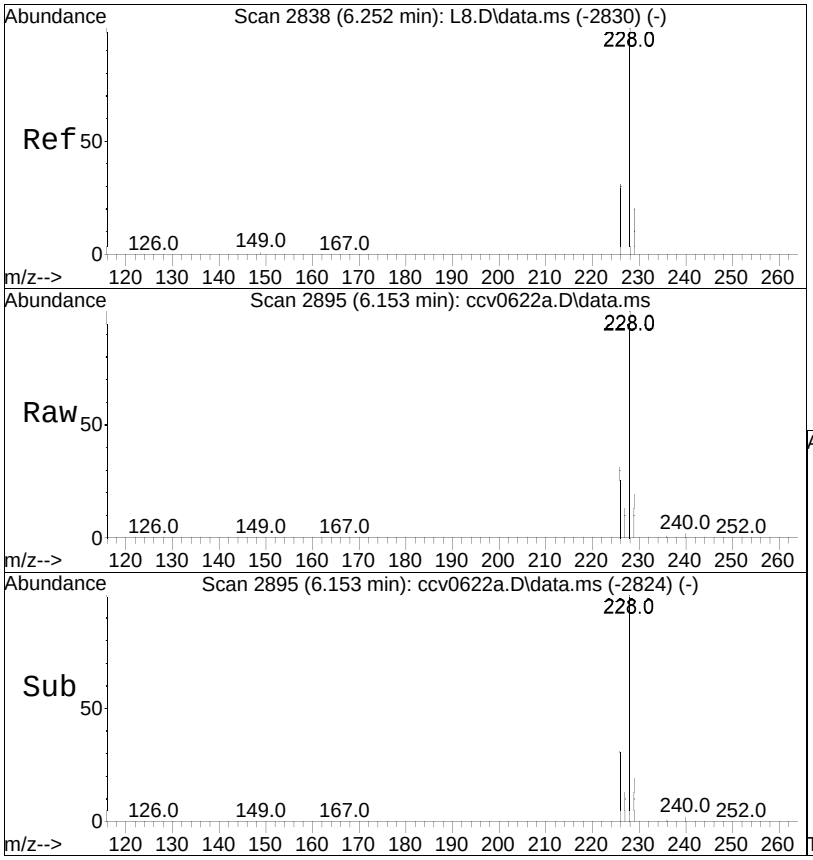


#35
3,3'-Dichlorobenzidine
Concen: 1181.70 ng/ml
RT: 6.125 min Scan# 2875
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:252 Resp: 185355

Ion	Ratio	Lower	Upper
252	100		
126	15.6	9.5	14.3#
254	64.4	51.5	77.3

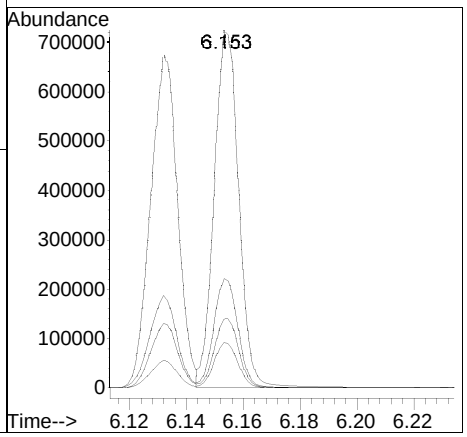


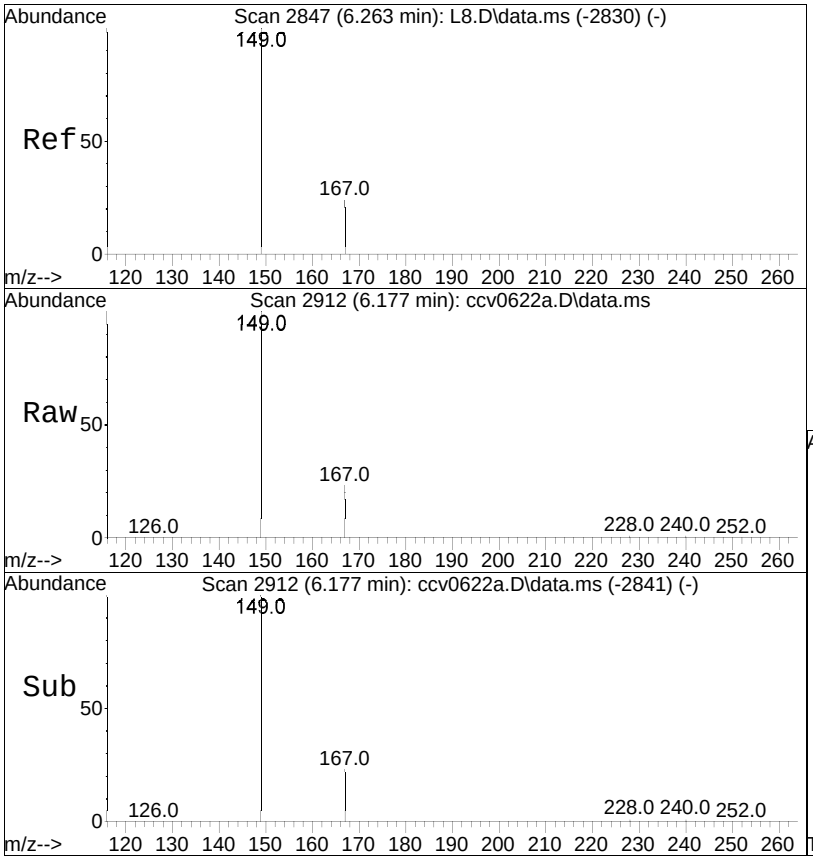


#36
Chrysene
Concen: 1063.82 ng/ml
RT: 6.153 min Scan# 2895
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:228 Resp: 430972

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.4	36.6
227	12.4	0.0	0.0#
229	19.3	15.6	23.4

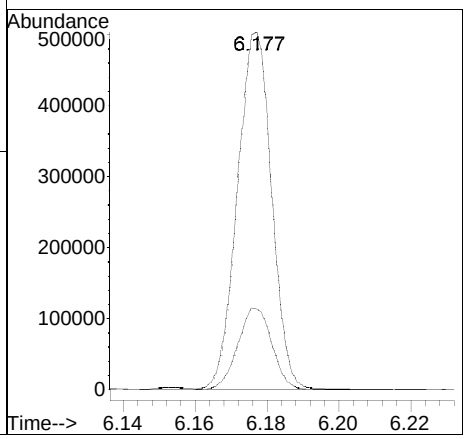


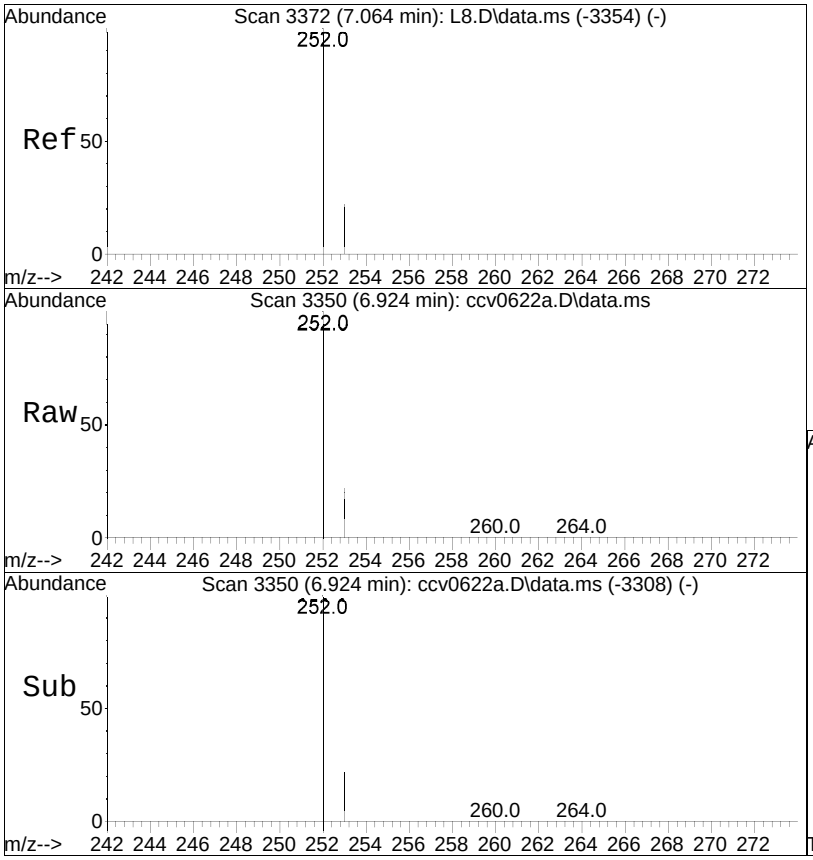


#37
Bis(2-ethylhexyl)phthalate
Concen: 1171.66 ng/ml
RT: 6.177 min Scan# 2912
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:149 Resp: 327573

Ion	Ratio	Lower	Upper
149	100		
167	22.8	18.6	27.8

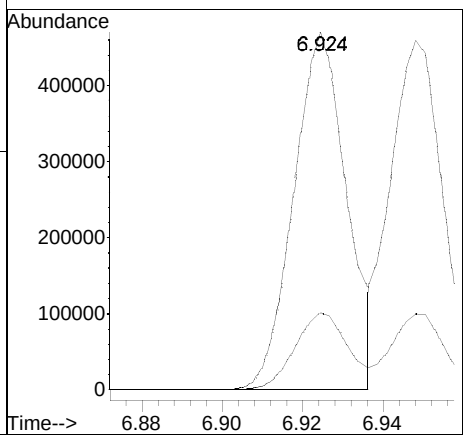


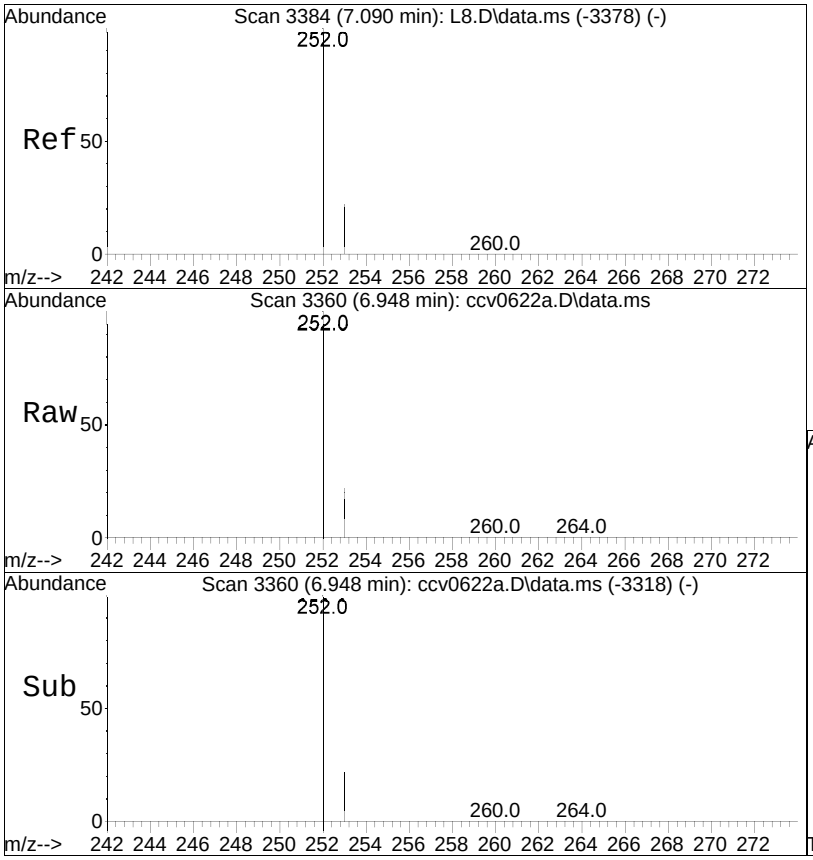


#39
Benzo[b]fluoranthene
Concen: 1090.67 ng/ml
RT: 6.924 min Scan# 3350
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:252 Resp: 429204

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2

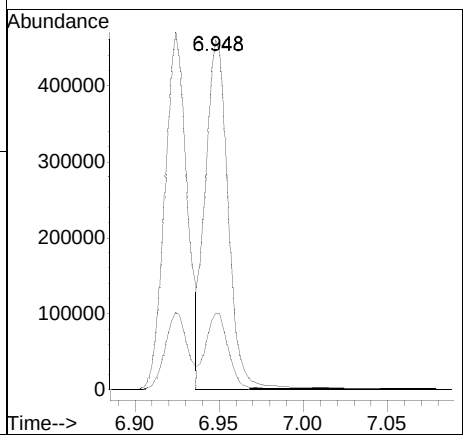


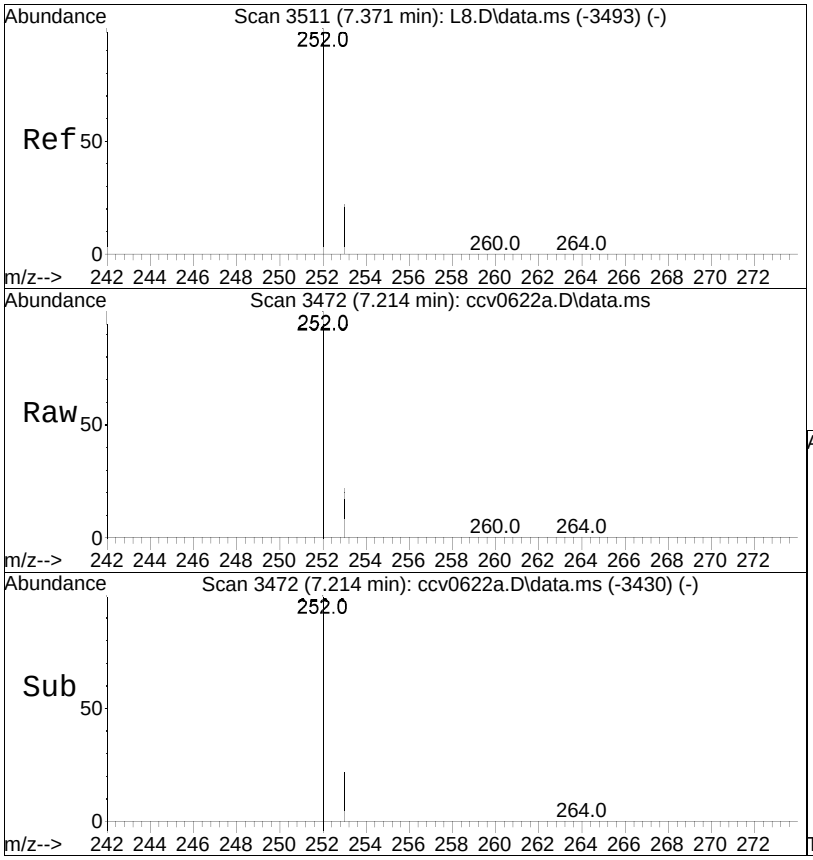


#40
Benzo[k]fluoranthene
Concen: 1150.40 ng/ml
RT: 6.948 min Scan# 3360
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:252 Resp: 430745

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4

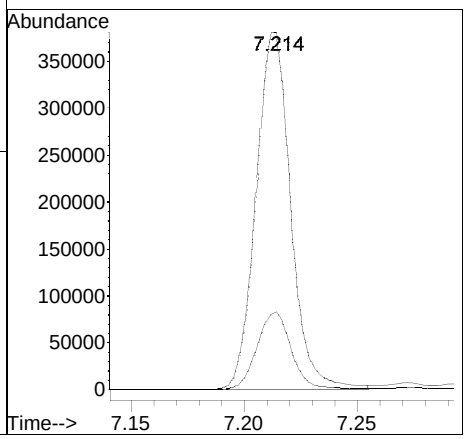


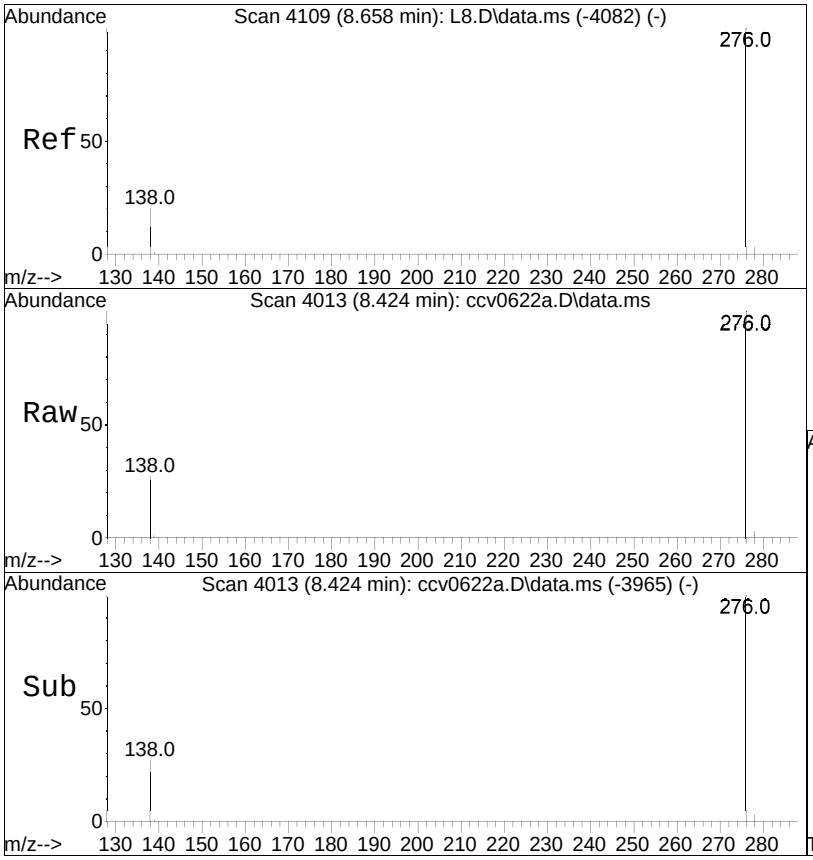


#41
Benzo[a]pyrene
Concen: 1220.79 ng/ml
RT: 7.214 min Scan# 3472
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:252 Resp: 399755

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

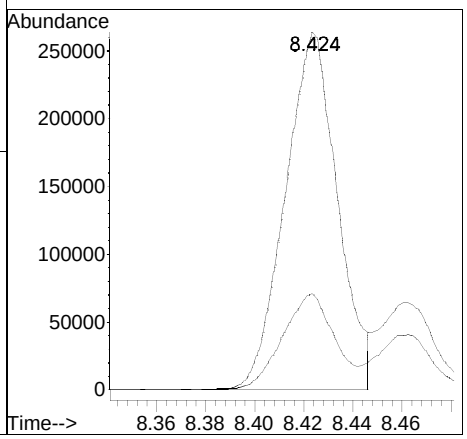


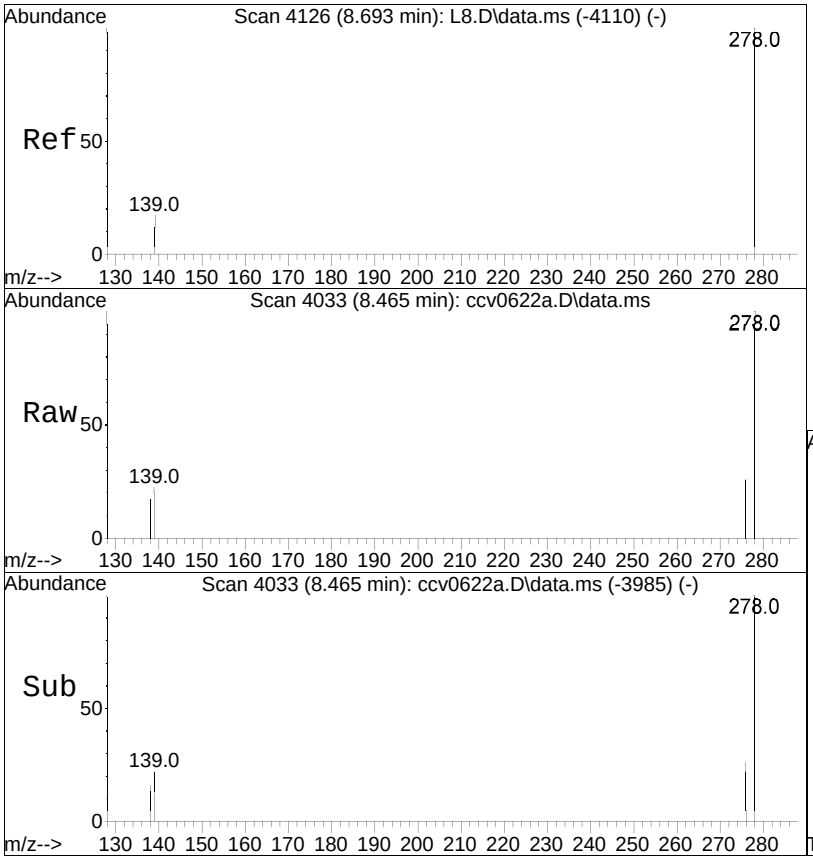


#42
Indeno[1,2,3-cd]pyrene
Concen: 1332.06 ng/ml
RT: 8.424 min Scan# 4013
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:276 Resp: 386655

Ion	Ratio	Lower	Upper
276	100		
138	26.5	17.0	25.4#

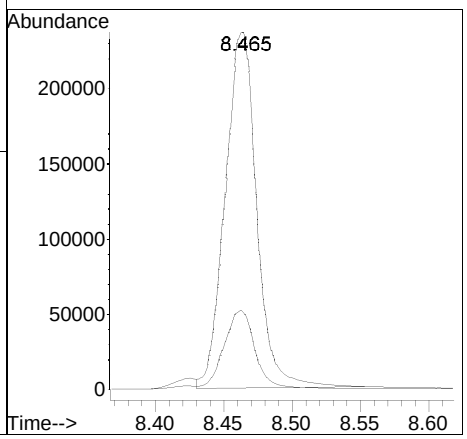


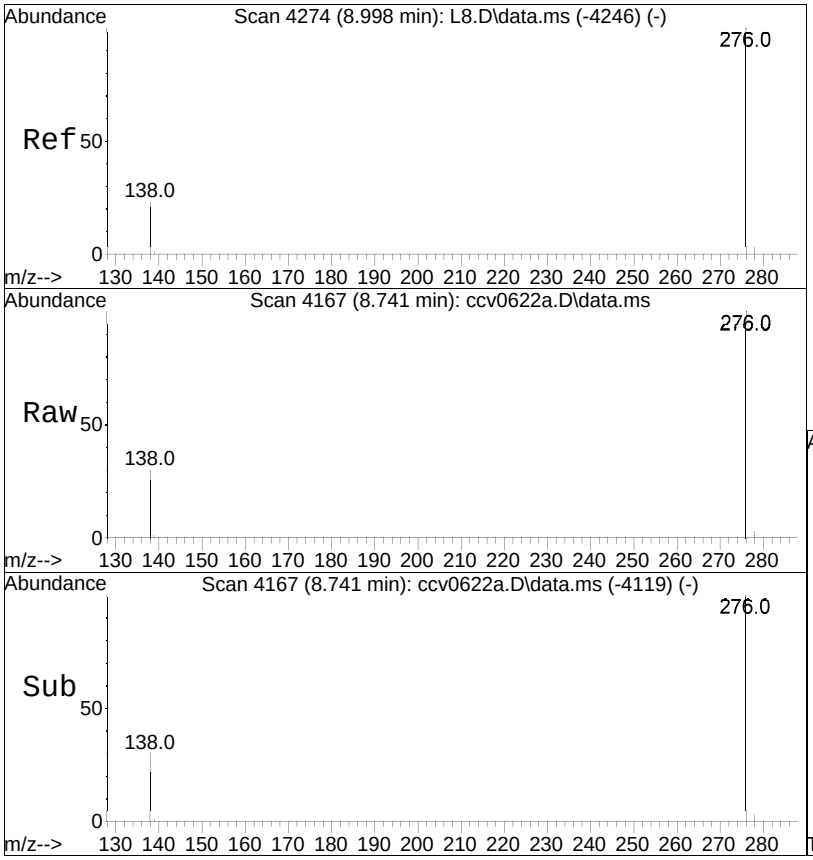


#43
Dibenzo[a,h]anthracene
Concen: 1344.80 ng/ml
RT: 8.465 min Scan# 4033
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:278 Resp: 376851

Ion	Ratio	Lower	Upper
278	100		
139	21.9	13.9	20.9#

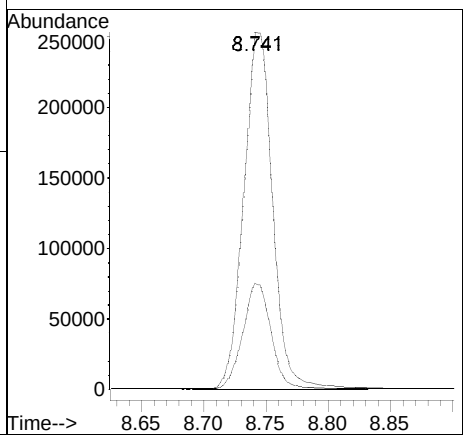




#44
Benzo[g,h,i]perylene
Concen: 1313.80 ng/ml
RT: 8.741 min Scan# 4167
Delta R.T. 0.000 min
Lab File: ccv0622a.D
Acq: 22 Jun 2025 09:24 pm

Tgt Ion:276 Resp: 402960

Ion	Ratio	Lower	Upper
276	100		
138	29.3	18.7	28.1#



Manual Integration Report

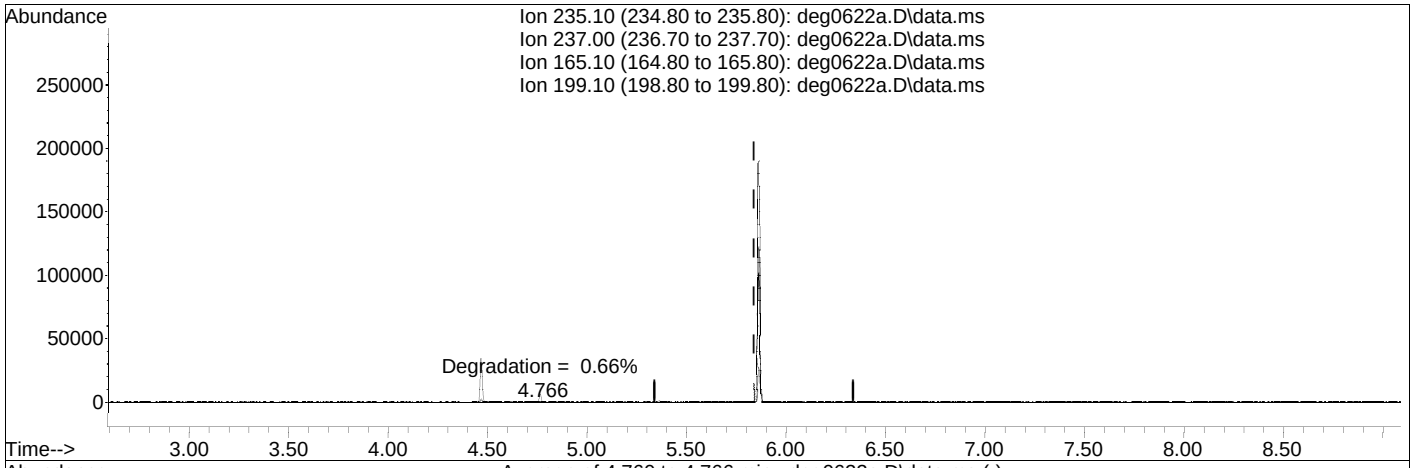
Data Path	: I:\8270SIM\SV118\250622a	RVQMethod	: SIM-RVT_250203sv118.M
Data File	: ccv0622a.D	Operator	: SV118:slr
Date Inj'd	: 6/22/2025 9:24 pm	Instrument	: SV118
Sample	: WG2082077-3,32,,ICV 11275	Quant Date	: 6/22/2025 9:44 pm

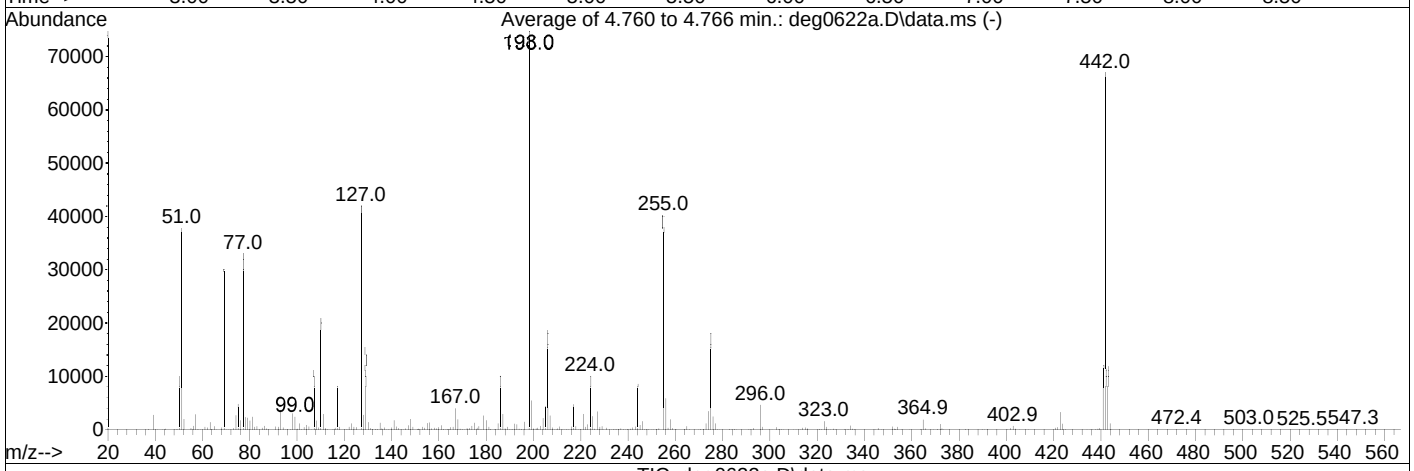
There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : deg0622a.D
Acq On : 22 Jun 2025 09:06 pm
Operator : SV118:slr
Sample : WG2082077-2,32,,dftpp SV118 lot #11649
Misc : WG2082077,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 22 21:19:25 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 13 16:17:33 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0622a.D\data.ms

(6) ddt (T)

5.860min (+ 0.021) 22.87

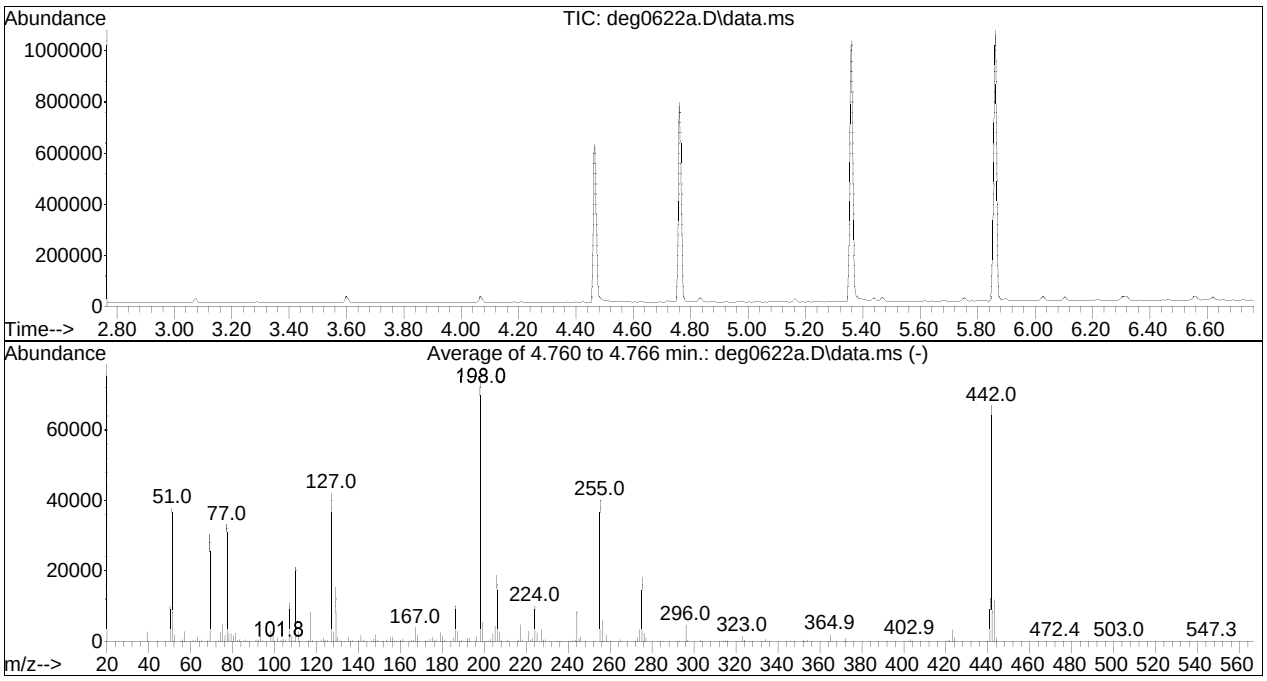
response 139399

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.13
165.10	53.30	53.56
199.10	17.10	14.61

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : deg0622a.D
Acq On : 22 Jun 2025 09:06 pm
Operator : SV118:slr
Sample : WG2082077-1,32,,dftpp SV118 lot #11649
Misc : WG2082077,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\250622aRVT\SIM-RVT_250203sv118.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Sun Jun 22 21:43:55 2025



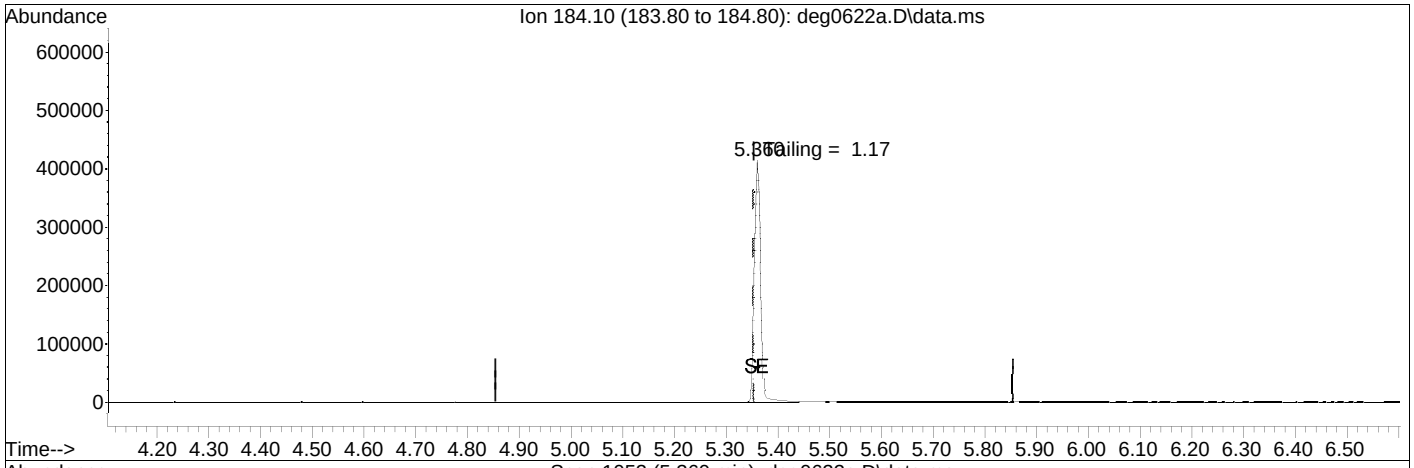
AutoFind: Scans 859, 860, 861; Background Corrected with Scan 851

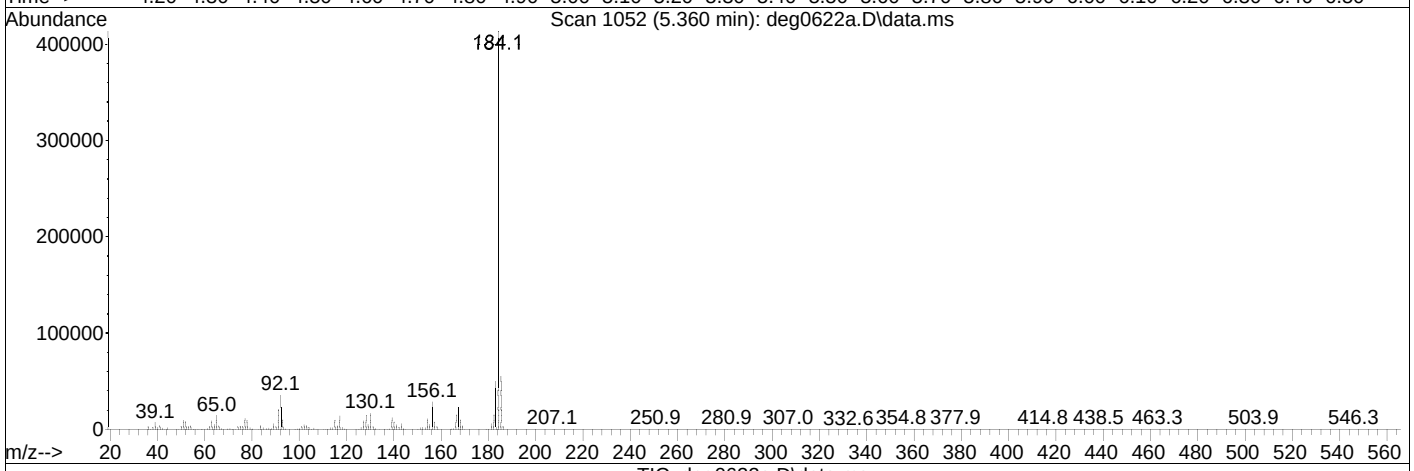
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	50.5	37776	PASS
68	69	0.00	2	1.6	476	PASS
69	69	100	100	100.0	30134	PASS
70	69	0.00	2	0.2	52	PASS
127	198	10	80	56.1	41993	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	74816	PASS
199	198	5	9	7.2	5359	PASS
275	198	10	60	24.2	18094	PASS
365	198	1	100	2.6	1927	PASS
441	442	0.01	24	17.9	12007	PASS
442	198	50	100	89.5	66941	PASS
443	442	15	24	17.6	11792	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : deg0622a.D
Acq On : 22 Jun 2025 09:06 pm
Operator : SV118:slr
Sample : WG2082077-4,32,,dftpp SV118 lot #11649
Misc : WG2082077,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 22 21:19:25 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 13 16:17:33 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0622a.D\data.ms

(3) benzidine (T)

5.360min (+ 0.006) 30.92

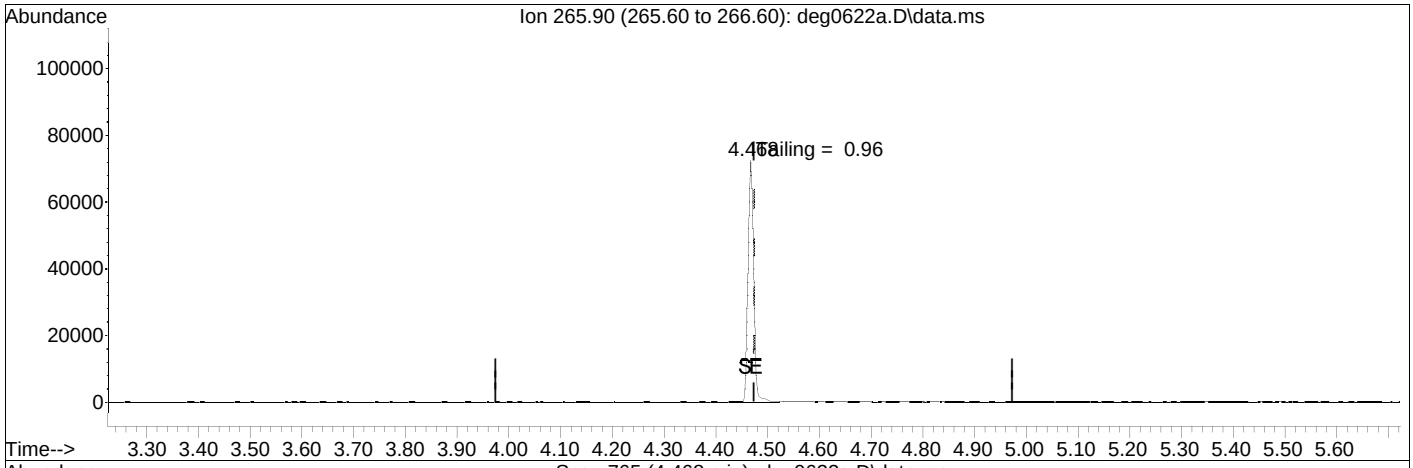
response 314736

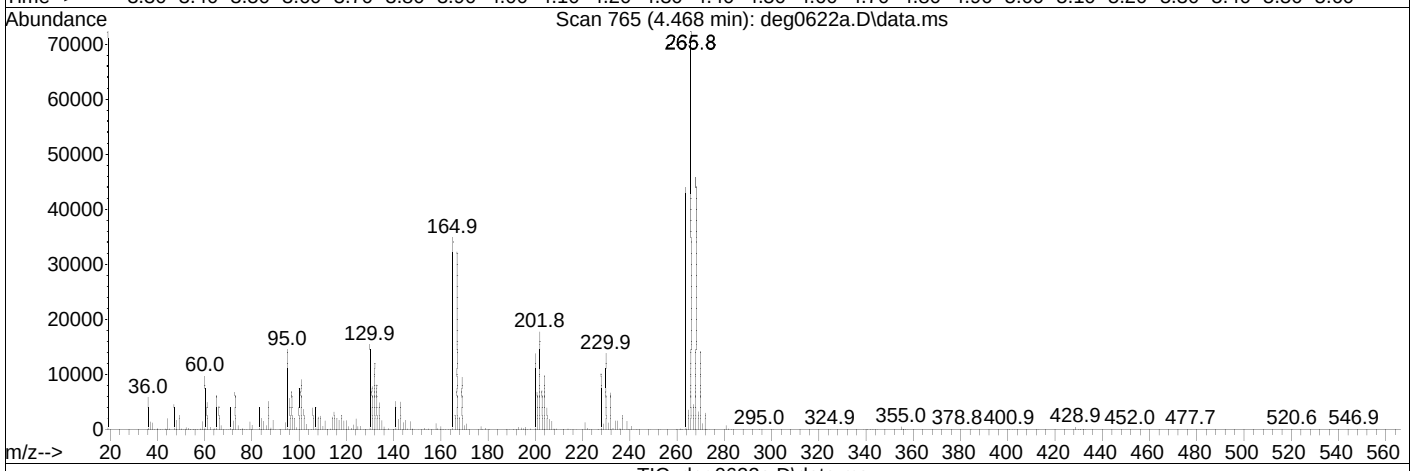
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250622aRVT\
Data File : deg0622a.D
Acq On : 22 Jun 2025 09:06 pm
Operator : SV118:slr
Sample : WG2082077-5,32,,dftpp SV118 lot #11649
Misc : WG2082077,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 22 21:19:25 2025
Quant Method : I:\8270SIM\SV118\250622aRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 13 16:17:33 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0622a.D\data.ms

(1) pentachlorophenol (T)

4.468min (-0.006) 24.94

response 52373

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/22/25 21:24		
Lab File ID	: CCV0622A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2082077-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	74	0
2-Fluorophenol	1.223	1.182	.01	3.4	20	71	0
Phenol-d6	1.466	1.402	.01	4.4	20	70	0
Bis(2-chloroethyl)ether	1.301	1.231	.01	5.4	20	72	0
n-nitrosodi-n-propylamine	0.835	0.823	.01	1.4	20	69	0
Hexachloroethane	0.544	0.561	.01	-3.1	20	76	0
Nitrobenzene-d5	1.197	1.207	.01	-0.8	20	71	0
Naphthalene-d8	1	1	.01	0	20	76	0
Naphthalene	1.137	1.107	.01	2.6	20	76	0
Hexachlorobutadiene	0.204	0.181	.01	11.3	20	67	0
2-Methylnaphthalene	0.707	0.697	.01	1.4	20	75	0
1-Methylnaphthalene	0.719	0.709	.01	1.4	20	75	0
2-Fluorobiphenyl	0.876	0.85	.01	3	20	77	0
2-Chloronaphthalene	0.765	0.753	.01	1.6	20	75	0
2,6-Dinitrotoluene	0.17	0.175	.01	-2.9	20	72	0
Acenaphthylene	1.17	1.261	.01	-7.8	20	77	0
Acenaphthene-d10	1	1	.01	0	20	73	0
Acenaphthene	1.424	1.461	.01	-2.6	20	76	0
2,4-Dinitrotoluene	0.411	0.452	.01	-10	20	72	0
Fluorene	1.566	1.644	.01	-5	20	76	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	67	0
Phenanthrene-d10	1	1	.01	0	20	69	0
4,6-Dinitro-o-cresol	1000	778.367	.01	22.2*	20	58	0
Hexachlorobenzene	0.265	0.268	.01	-1.1	20	71	0
Pentachlorophenol	1000	865.852	.01	13.4	20	57	0
Phenanthrene	1.211	1.248	.01	-3.1	20	73	0
Anthracene	1.202	1.299	.01	-8.1	20	74	0
Fluoranthene	1.379	1.445	.01	-4.8	20	72	0
Pyrene	1.427	1.489	.01	-4.3	20	71	0
4-Terphenyl-d14	0.929	0.851	.01	8.4	20	65	0
Chrysene-d12	1	1	.01	0	20	63	0
Benzo[a]anthracene	0.423	0.422	.01	0.2	20	65	0
3,3'-Dichlorobenzidine	0.534	0.631	.01	-18.2	20	69	0
Chrysene	1.38	1.468	.01	-6.4	20	67	0
Bis(2-ethylhexyl)phthalate	1000	1171.655	.01	-17.2	20	80	0
Perylene-d12	1	1	.01	0	20	65	0
Benzo[b]fluoranthene	1.316	1.436	.01	-9.1	20	69	0
Benzo[k]fluoranthene	1.252	1.441	.01	-15.1	20	69	0
Benzo[a]pyrene	1.095	1.337	.01	-22.1*	20	72	0
Indeno[1,2,3-cd]pyrene	0.971	1.293	.01	-33.2*	20	79	0
Dibenzo[a,h]anthracene	0.937	1.26	.01	-34.5*	20	77	0
Benzo[g,h,i]perylene	1.026	1.348	.01	-31.4*	20	79	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	79	0
N-Nitrosodimethylamine	0.662	0.707	.05	-6.8	20	86	0
2-Fluorophenol	1.123	1.213	.05	-8	20	86	0
Phenol-d6	1.459	1.497	.05	-2.6	20	84	0
Bis(2-chloroethyl)ether	1.177	1.131	.05	3.9	20	76	0
n-nitrosodi-n-propylamine	0.885	0.844	.05	4.6	20	76	0
Hexachloroethane	0.531	0.492	.05	7.3	20	74	0
Nitrobenzene-d5	1.203	1.123	.05	6.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	79	0
Naphthalene	1.048	0.983	.05	6.2	20	76	0
Hexachlorobutadiene	0.208	0.197	.05	5.3	20	77	0
2-Methylnaphthalene	0.695	0.653	.05	6	20	77	0
1-Methylnaphthalene	0.718	0.669	.05	6.8	20	76	0
2-Fluorobiphenyl	0.905	0.854	.05	5.6	20	77	0
2-Chloronaphthalene	0.779	0.718	.05	7.8	20	74	0
2,6-Dinitrotoluene	0.159	0.123	.05	22.6*	20	61	0
Acenaphthylene	1.296	1.207	.05	6.9	20	74	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.329	1.236	.05	7	20	75	0
2,4-Dinitrotoluene	0.353	0.271	.05	23.2*	20	59	0
Fluorene	1.589	1.485	.05	6.5	20	75	0
2,4,6-Tribromophenol	0.201	0.201	.05	0	20	79	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	633.76	.05	36.6*	20	51	0
Hexachlorobenzene	0.248	0.244	.05	1.6	20	80	0
Pentachlorophenol	1000	711.476	.05	28.9*	20	57	0
Phenanthrene	1.189	1.057	.05	11.1	20	75	0
Anthracene	1.16	1.095	.05	5.6	20	75	0
Fluoranthene	1.446	1.344	.05	7.1	20	76	0
Pyrene	1.492	1.393	.05	6.6	20	77	0
Benzidine	1000	762.729	.05	23.7*	20	55	0
4-Terphenyl-d14	0.899	0.971	.05	-8	20	87	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	902.792	.05	9.7	20	80	0
3,3'-Dichlorobenzidine	0.522	0.532	.05	-1.9	20	86	0
Chrysene	1.315	1.242	.05	5.6	20	84	0
Bis(2-ethylhexyl)phthalate	1000	800.486	.05	20	20	79	0
Perylene-d12	1	1	.05	0	20	97	0
Benzo[b]fluoranthene	1.206	1.1	.05	8.8	20	81	0
Benzo[k]fluoranthene	1.273	1.263	.05	0.8	20	89	0
Benzo[a]pyrene	1.097	1.07	.05	2.5	20	85	0
Indeno[1,2,3-cd]pyrene	1000	711.024	.05	28.9*	20	70	0
Dibenzo[a,h]anthracene	1000	835.379	.05	16.5	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1000	872.859	.05	12.7	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/25/25 21:28		
Lab File ID	: CCV0625N	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2083522-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	121	0
2-Fluorophenol	1.223	1.223	.01	0	20	120	0
Phenol-d6	1.466	1.492	.01	-1.8	20	122	0
Bis(2-chloroethyl)ether	1.301	1.173	.01	9.8	20	112	0
n-nitrosodi-n-propylamine	0.835	0.837	.01	-0.2	20	114	0
Hexachloroethane	0.544	0.533	.01	2	20	118	0
Nitrobenzene-d5	1.197	1.204	.01	-0.6	20	116	0
Naphthalene-d8	1	1	.01	0	20	123	0
Naphthalene	1.137	1.027	.01	9.7	20	115	0
Hexachlorobutadiene	0.204	0.177	.01	13.2	20	107	0
2-Methylnaphthalene	0.707	0.651	.01	7.9	20	114	0
1-Methylnaphthalene	0.719	0.654	.01	9	20	113	0
2-Fluorobiphenyl	0.876	0.796	.01	9.1	20	116	0
2-Chloronaphthalene	0.765	0.681	.01	11	20	110	0
2,6-Dinitrotoluene	0.17	0.158	.01	7.1	20	106	0
Acenaphthylene	1.17	1.137	.01	2.8	20	113	0
Acenaphthene-d10	1	1	.01	0	20	119	0
Acenaphthene	1.424	1.305	.01	8.4	20	111	0
2,4-Dinitrotoluene	0.411	0.407	.01	1	20	106	0
Fluorene	1.566	1.473	.01	5.9	20	111	0
2,4,6-Tribromophenol	0.185	0.191	.01	-3.2	20	106	0
Phenanthrene-d10	1	1	.01	0	20	112	0
4,6-Dinitro-o-cresol	1000	775.437	.01	22.5*	20	93	0
Hexachlorobenzene	0.265	0.234	.01	11.7	20	100	0
Pentachlorophenol	1000	710.056	.01	29*	20	75	0
Phenanthrene	1.211	1.117	.01	7.8	20	106	0
Anthracene	1.202	1.178	.01	2	20	108	0
Fluoranthene	1.379	1.267	.01	8.1	20	103	0
Pyrene	1.427	1.304	.01	8.6	20	101	0
4-Terphenyl-d14	0.929	0.815	.01	12.3	20	100	0
Chrysene-d12	1	1	.01	0	20	101	0
Benzo[a]anthracene	0.423	0.377	.01	10.9	20	94	0
3,3'-Dichlorobenzidine	0.534	0.553	.01	-3.6	20	97	0
Chrysene	1.38	1.297	.01	6	20	95	0
Bis(2-ethylhexyl)phthalate	1000	1105.396	.01	-10.5	20	121	0
Perylene-d12	1	1	.01	0	20	106	0
Benzo[b]fluoranthene	1.316	1.215	.01	7.7	20	96	0
Benzo[k]fluoranthene	1.252	1.313	.01	-4.9	20	104	0
Benzo[a]pyrene	1.095	1.184	.01	-8.1	20	105	0
Indeno[1,2,3-cd]pyrene	0.971	1.183	.01	-21.8*	20	118	0
Dibenzo[a,h]anthracene	0.937	1.18	.01	-25.9*	20	118	0
Benzo[g,h,i]perylene	1.026	1.249	.01	-21.7*	20	119	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	157	0
N-Nitrosodimethylamine	0.665	0.662	.05	0.5	20	147	-.02
2-Fluorophenol	1.016	0.984	.05	3.1	20	140	0
Phenol-d6	1.207	1.17	.05	3.1	20	143	0
Bis(2-chloroethyl)ether	1.141	1.082	.05	5.2	20	143	0
Hexachloroethane	0.531	0.494	.05	7	20	149	0
n-nitrosodi-n-propylamine	0.803	0.745	.05	7.2	20	144	0
Nitrobenzene-d5	0.97	1.115	.05	-14.9	20	169	0
Naphthalene-d8	1	1	.05	0	20	151	0
Naphthalene	1.109	1.041	.05	6.1	20	143	0
Hexachlorobutadiene	0.236	0.231	.05	2.1	20	149	0
2-Methylnaphthalene	0.658	0.607	.05	7.8	20	140	0
1-Methylnaphthalene	0.684	0.643	.05	6	20	139	0
2-Fluorobiphenyl	0.902	0.853	.05	5.4	20	137	0
2-Chloronaphthalene	0.783	0.728	.05	7	20	139	0
Acenaphthylene	1.174	1.091	.05	7.1	20	132	0
2,6-Dinitrotoluene	0.137	0.146	.05	-6.6	20	157	0
Acenaphthene-d10	1	1	.05	0	20	140	0
Acenaphthene	1.316	1.263	.05	4	20	137	0
2,4-Dinitrotoluene	0.271	0.345	.05	-27.3*	20	176	0
Fluorene	1.471	1.389	.05	5.6	20	134	0
2,4,6-Tribromophenol	0.198	0.206	.05	-4	20	138	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	1391.121	.05	-39.1*	20	186	0
Hexachlorobenzene	0.264	0.253	.05	4.2	20	130	0
Pentachlorophenol	1000	775.573	.05	22.4*	20	98	0
Phenanthrene	1.18	1.145	.05	3	20	132	0
Anthracene	1.096	1.056	.05	3.6	20	127	0
Fluoranthene	1.302	1.23	.05	5.5	20	127	0
Benzidine	1000	819.932	.05	18	20	101	0
Pyrene	1.382	1.297	.05	6.2	20	125	0
4-Terphenyl-d14	0.994	0.851	.05	14.4	20	118	0
Chrysene-d12	1	1	.05	0	20	124	0
Benzo[a]anthracene	1000	925.257	.05	7.5	20	111	0
3,3'-Dichlorobenzidine	0.455	0.46	.05	-1.1	20	124	0
Chrysene	1.386	1.333	.05	3.8	20	121	0
Bis(2-ethylhexyl)phthalate	1000	1043.785	.05	-4.4	20	127	0
Perylene-d12	1	1	.05	0	20	123	0
Benzo[b]fluoranthene	1.152	1.076	.05	6.6	20	113	0
Benzo[k]fluoranthene	0.995	1.049	.05	-5.4	20	115	0
Benzo[a]pyrene	0.933	0.969	.05	-3.9	20	115	0
Indeno[1,2,3-cd]pyrene	1.044	1.033	.05	1.1	20	117	0
Dibenzo[a,h]anthracene	0.95	1.07	.05	-12.6	20	121	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.057	1.034	.05	2.2	20	118	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : ccv0623a.D
Acq On : 23 Jun 2025 09:12 am
Operator : sv119:slr
Sample : WG2082224-3,32,,ICV 11696 (0622)
Misc : WG2082224,,ical22394
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:45 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
2	T	N-Nitrosodimethylamine	0.662	0.707	-6.8	86	0.00
3	s	2-Fluorophenol	1.123	1.213	-8.0	86	0.00
4	s	Phenol-d6	1.459	1.497	-2.6	84	0.00
5	T	Bis(2-chloroethyl)ether	1.177	1.131	3.9	76	0.00
6	T	n-nitrosodi-n-propylamine	0.885	0.844	4.6	76	0.00
7	t	Hexachloroethane	0.531	0.492	7.3	74	0.00
8	s	Nitrobenzene-d5	1.203	1.123	6.7	75	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	79	0.00
10	t	Naphthalene	1.048	0.983	6.2	76	0.00
11	t	Hexachlorobutadiene	0.208	0.197	5.3	77	0.00
12	t	2-Methylnaphthalene	0.695	0.653	6.0	77	0.00
13	t	1-Methylnaphthalene	0.718	0.669	6.8	76	0.00
14	s	2-Fluorobiphenyl	0.905	0.854	5.6	77	0.00
15	t	2-Chloronaphthalene	0.779	0.718	7.8	74	0.00
16	t	2,6-Dinitrotoluene	0.159	0.123	22.6#	61	0.00
17	t	Acenaphthylene	1.296	1.207	6.9	74	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
19	t	Acenaphthene	1.329	1.236	7.0	75	0.00
20	t	2,4-Dinitrotoluene	0.353	0.271	23.2#	59	0.00
21	t	Fluorene	1.589	1.485	6.5	75	0.00
22	s	2,4,6-Tribromophenol	0.201	0.201	0.0	79	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	633.760	36.6#	51	0.00
25	t	Hexachlorobenzene	0.248	0.244	1.6	80	0.00
26	t	Pentachlorophenol	*1000.000	711.476	28.9#	57	0.00
27	t	Phenanthrene	1.189	1.057	11.1	75	0.00
28	t	Anthracene	1.160	1.095	5.6	75	0.00
29	t	Fluoranthene	1.446	1.344	7.1	76	0.00
30	t	Pyrene	1.492	1.393	6.6	77	0.00
31	T	Benzidine	*1000.000	762.729	23.7#	55	0.00
32	s	4-Terphenyl-d14	0.899	0.971	-8.0	87	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	90	0.00
34	t	Benzo[a]anthracene	*1000.000	902.792	9.7	80	0.00
35	t	3,3'-Dichlorobenzidine	0.522	0.532	-1.9	86	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : ccv0623a.D
Acq On : 23 Jun 2025 09:12 am
Operator : sv119:slr
Sample : WG2082224-3,32,,ICV 11696 (0622)
Misc : WG2082224,,ical22394
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:45 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.315	1.242	5.6	84	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	800.486	20.0	79	0.00
38	i	Perylene-d12	1.000	1.000	0.0	97	0.00
39	t	Benzo[b]fluoranthene	1.206	1.100	8.8	81	0.00
40	t	Benzo[k]fluoranthene	1.273	1.263	0.8	89	0.00
41	t	Benzo[a]pyrene	1.097	1.070	2.5	85	0.00
42	t	Indeno[1,2,3-cd]pyrene	*1000.000	711.024	28.9#	70	0.00
43	t	Dibenzo[a,h]anthracene	*1000.000	835.379	16.5	82	0.00
44	t	Benzo[g,h,i]perylene	*1000.000	872.859	12.7	86	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : ccv0623a.D
Acq On : 23 Jun 2025 09:12 am
Operator : sv119:slr
Sample : WG2082224-3,32,,ICV 11696 (0622)
Misc : WG2082224,,ical22394
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:45 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	223163	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.964	136	839534	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.944	164	501334	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.794	188	1091615	4000.000	ng/ml	0.00
33) Chrysene-d12	6.452	240	1163786	4000.000	ng/ml	0.00
38) Perylene-d12	7.743	264	1221164	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.718	112	67668	1079.620	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.98%			
4) Phenol-d6	2.115	99	83542	1026.565	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.33%			
8) Nitrobenzene-d5	2.583	82	62633	932.975	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 93.30%			
14) 2-Fluorobiphenyl	3.561	172	179258	943.740	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.37%			
22) 2,4,6-Tribromophenol	4.392	330	25202	1002.090	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.10%			
32) 4-Terphenyl-d14	5.757	244	265006	1079.737	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 107.97%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.282	74	39467	1069.085	ng/mL#	52
5) Bis(2-chloroethyl)ether	2.169	93	63124	961.161	ng/ml	100
6) n-nitrosodi-n-propylamine	2.502	70	47095	953.849	ng/ml	100
7) Hexachloroethane	2.563	117	27439	926.345	ng/ml	97
10) Naphthalene	2.976	128	206312	937.930	ng/ml	100
11) Hexachlorobutadiene	3.048	225	41421	951.037	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	137039	939.536	ng/ml	100
13) 1-Methylnaphthalene	3.411	142	140321	930.585	ng/ml	100
15) 2-Chloronaphthalene	3.628	162	150628	920.835	ng/ml	99
16) 2,6-Dinitrotoluene	3.820	165	25729	773.307	ng/ml	99
17) Acenaphthylene	3.862	152	253397	931.908	ng/ml	100
19) Acenaphthene	3.961	153	154945	930.475	ng/ml	98
20) 2,4-Dinitrotoluene	4.049	165	33910	767.396	ng/ml	96
21) Fluorene	4.255	166	186106	934.196	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.281	198	14983	633.760	ng/ml	99
25) Hexachlorobenzene	4.574	284	66528	984.664	ng/ml	94
26) Pentachlorophenol	4.687	266	21435	711.476	ng/ml	99
27) Phenanthrene	4.807	178	288379	888.953	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : ccv0623a.D
Acq On : 23 Jun 2025 09:12 am
Operator : sv119:slr
Sample : WG2082224-3,32,,ICV 11696 (0622)
Misc : WG2082224,,ical22394
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:45 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.836	178	298848	944.284	ng/ml	100
29) Fluoranthene	5.516	202	366909M3	929.888	ng/ml	
30) Pyrene	5.657	202	380229	933.945	ng/ml	100
31) Benzidine	5.600	184	116830	762.729	ng/mL	100
34) Benzo[a]anthracene	6.442	228	370487	902.792	ng/ml	100
35) 3,3'-Dichlorobenzidine	6.428	252	154772	1018.459	ng/ml	100
36) Chrysene	6.469	228	361435	944.688	ng/ml	97
37) Bis(2-ethylhexyl)phtha...	6.479	149	178282	800.486	ng/ml	99
39) Benzo[b]fluoranthene	7.347	252	335781	912.356	ng/ml	98
40) Benzo[k]fluoranthene	7.372	252	385717	992.389	ng/ml	98
41) Benzo[a]pyrene	7.675	252	326701	975.417	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	9.028	276	248498	711.024	ng/ml	95
43) Dibenzo[a,h]anthracene	9.069	278	279145M6	835.379	ng/ml	
44) Benzo[g,h,i]perylene	9.387	276	313145	872.859	ng/ml	96

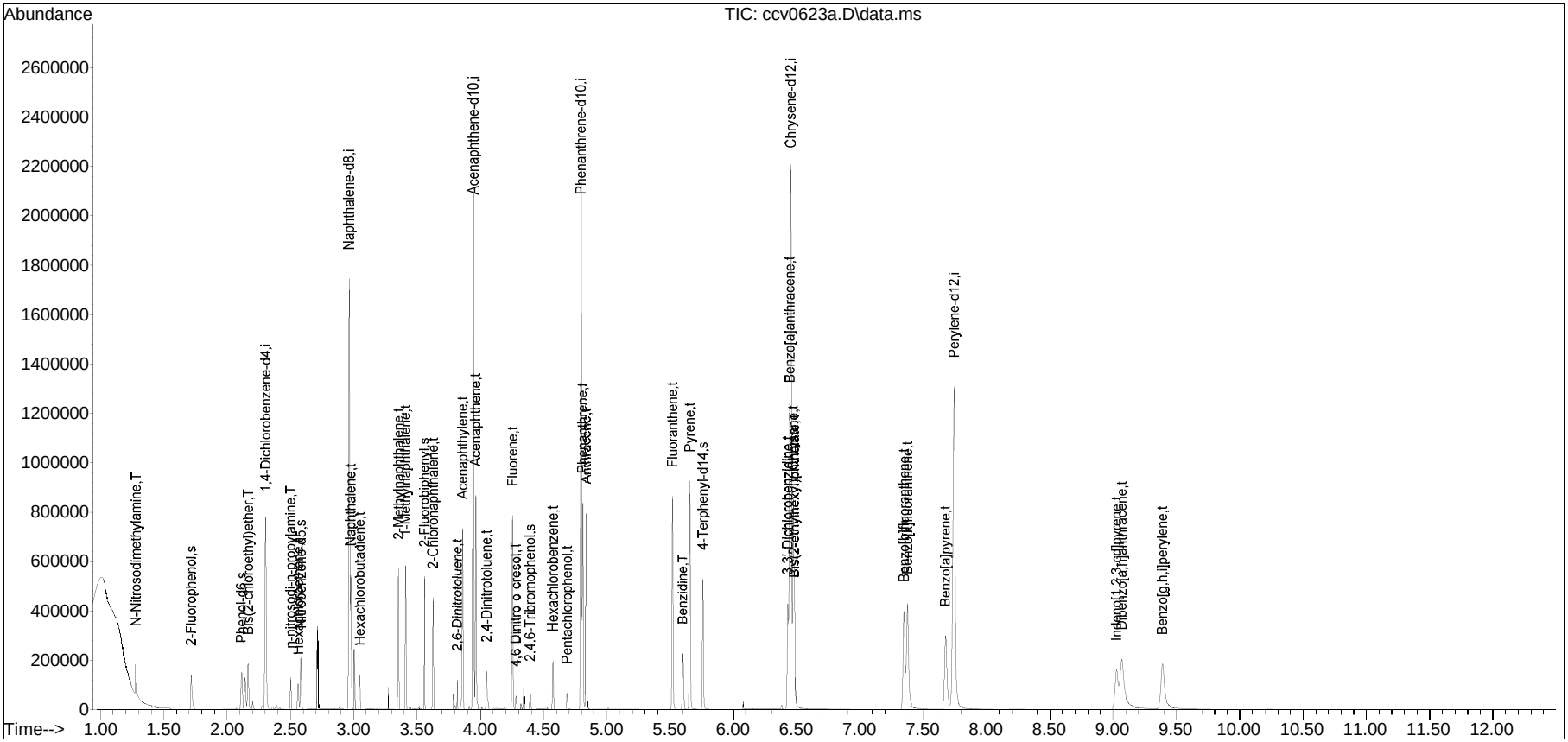
(#) = qualifier out of range (m) = manual integration (+) = signals summed

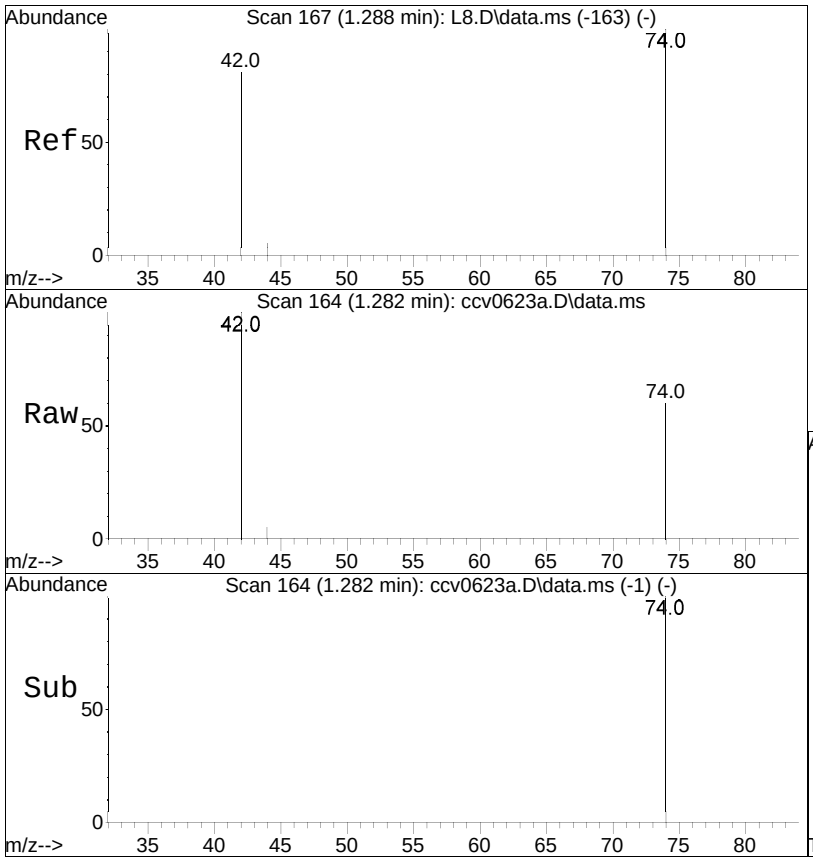
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : ccv0623a.D
Acq On : 23 Jun 2025 09:12 am
Operator : sv119:slr
Sample : WG2082224-3,32,,ICV 11696 (0622)
Misc : WG2082224,,ical22394
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:45 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

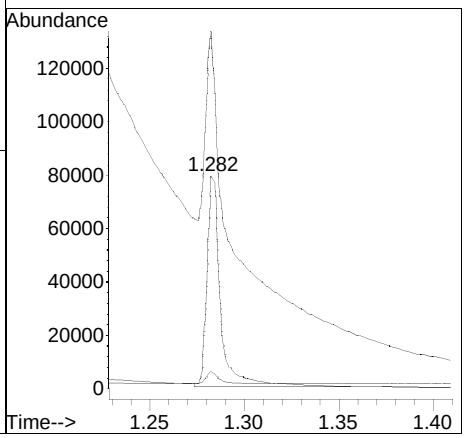


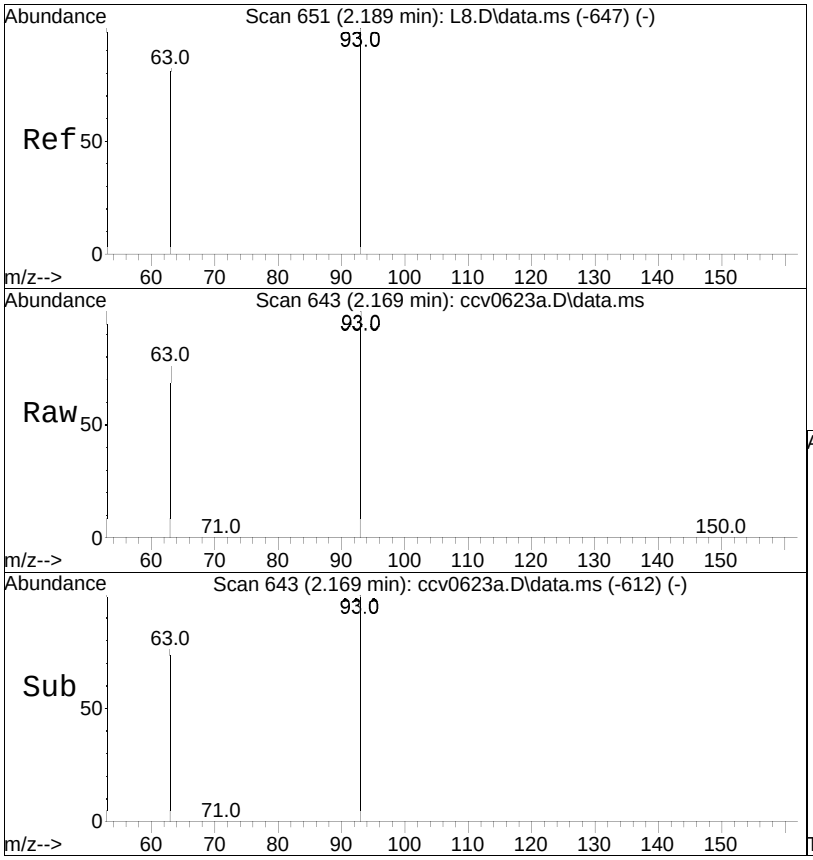


#2
N-Nitrosodimethylamine
Concen: 1069.09 ng/mL
RT: 1.282 min Scan# 164
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion: 74 Resp: 39467

Ion	Ratio	Lower	Upper
74	100		
42	474.6	293.4	440.0#
44	5.2	4.3	6.5

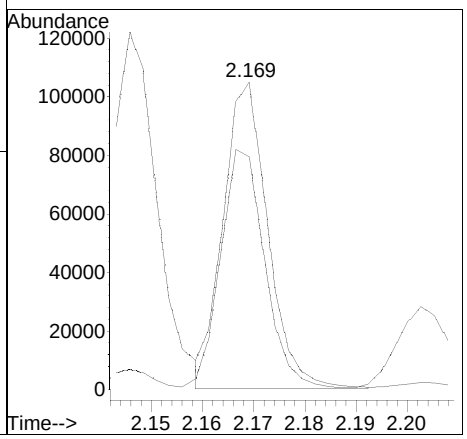


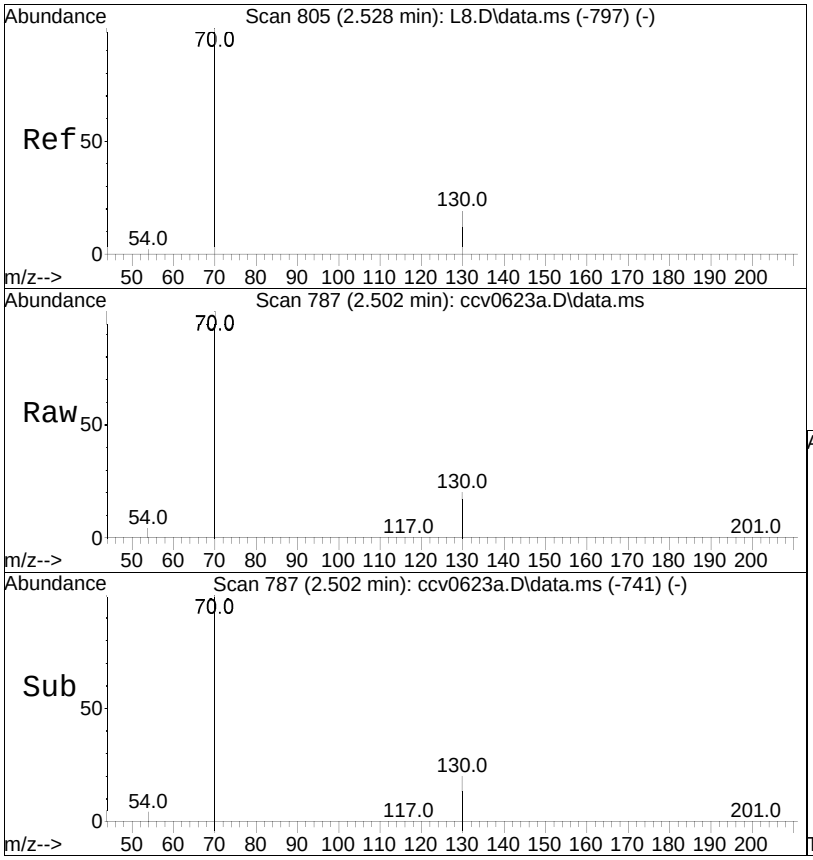


#5
Bis(2-chloroethyl)ether
Concen: 961.16 ng/ml
RT: 2.169 min Scan# 643
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion: 93 Resp: 63124

Ion	Ratio	Lower	Upper
93	100		
63	78.4	62.9	94.3

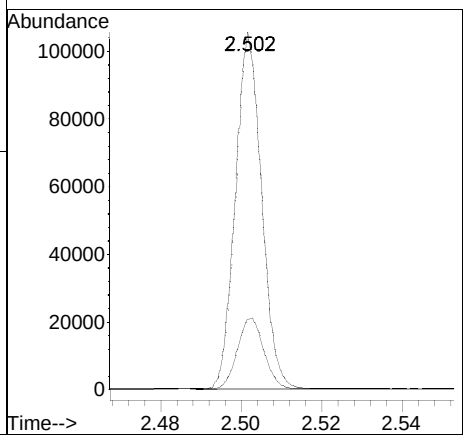


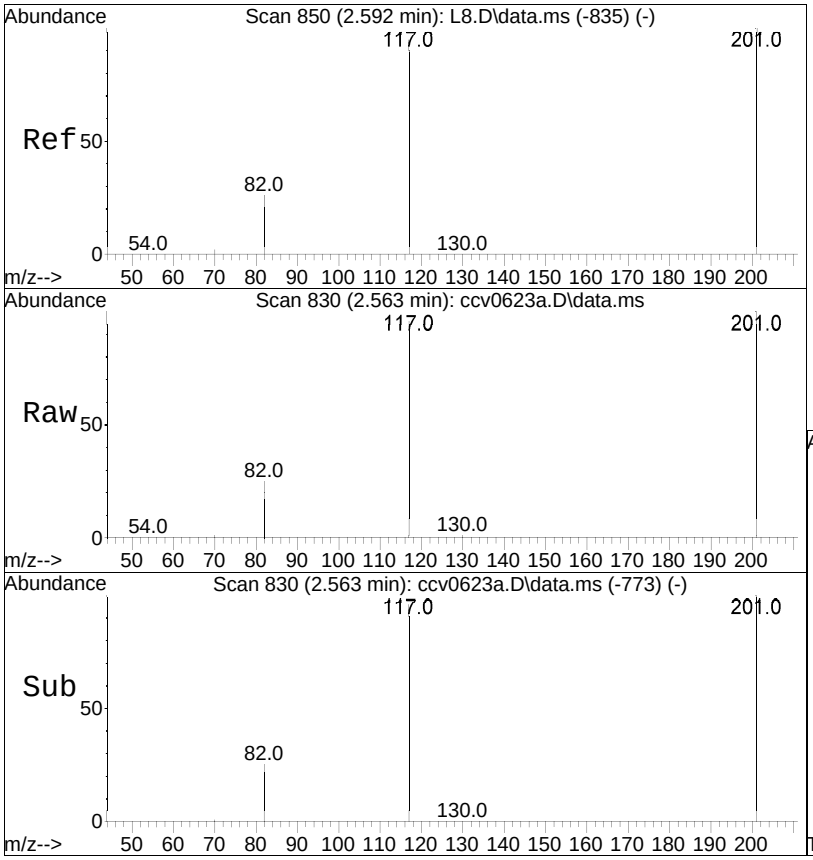


#6
n-nitrosodi-n-propylamine
Concen: 953.85 ng/ml
RT: 2.502 min Scan# 787
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion: 70 Resp: 47095

Ion	Ratio	Lower	Upper
70	100		
130	20.4	16.4	24.6

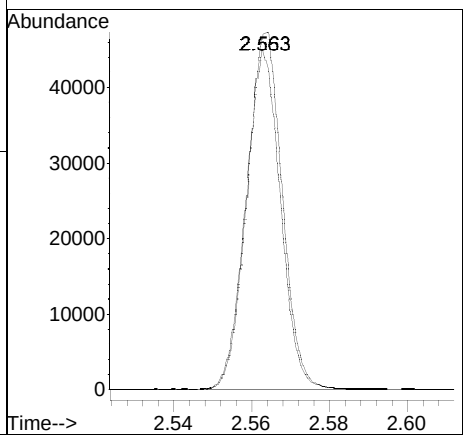


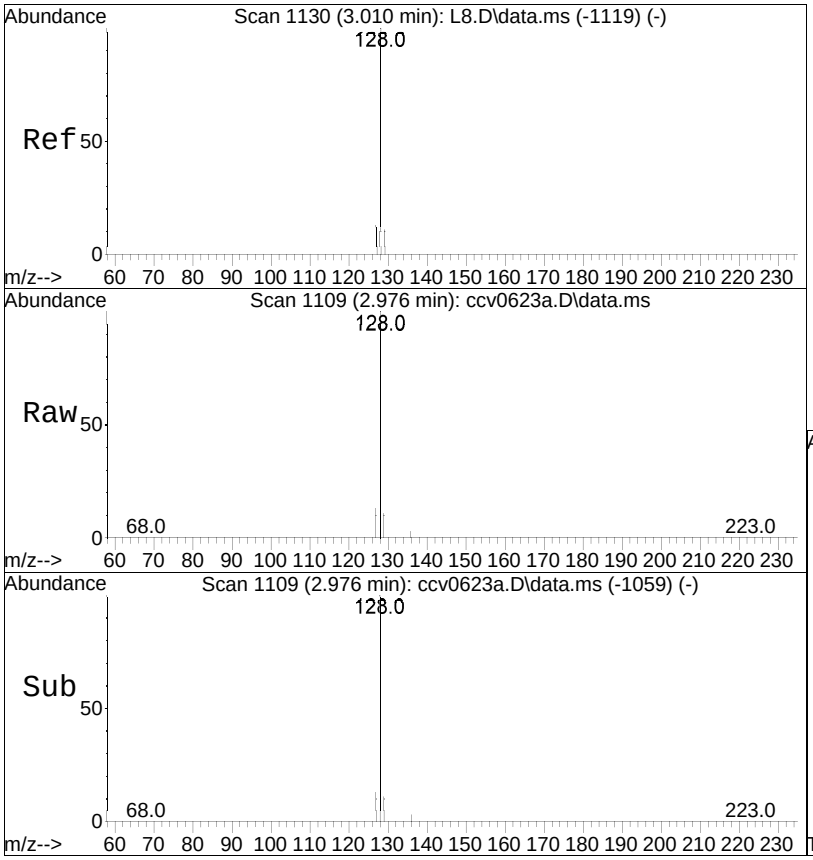


#7
Hexachloroethane
Concen: 926.34 ng/ml
RT: 2.563 min Scan# 830
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:117 Resp: 27439

Ion	Ratio	Lower	Upper
117	100		
201	106.5	82.9	124.3

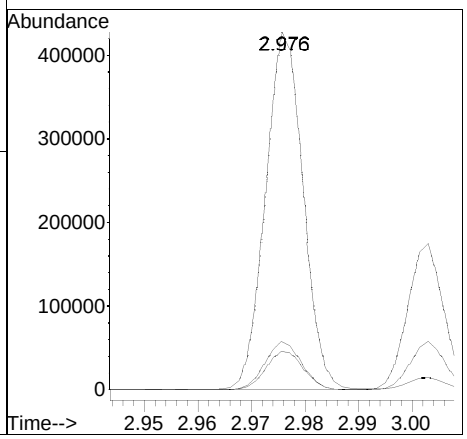


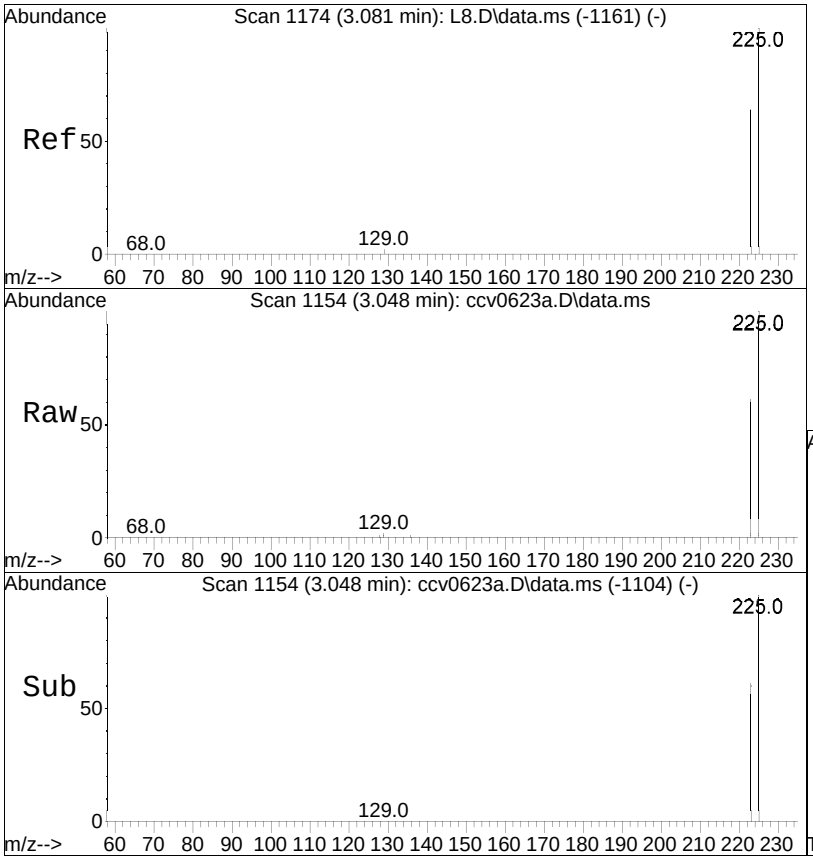


#10
Naphthalene
Concen: 937.93 ng/ml
RT: 2.976 min Scan# 1109
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:128 Resp: 206312

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.3	10.6	15.8

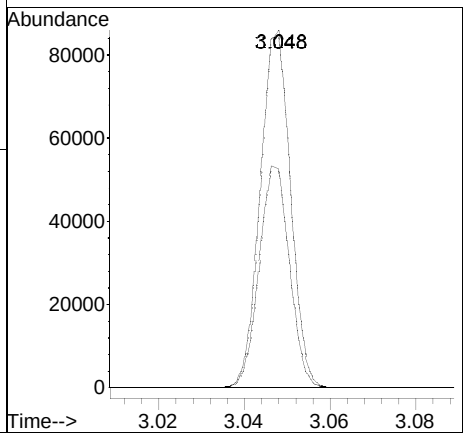


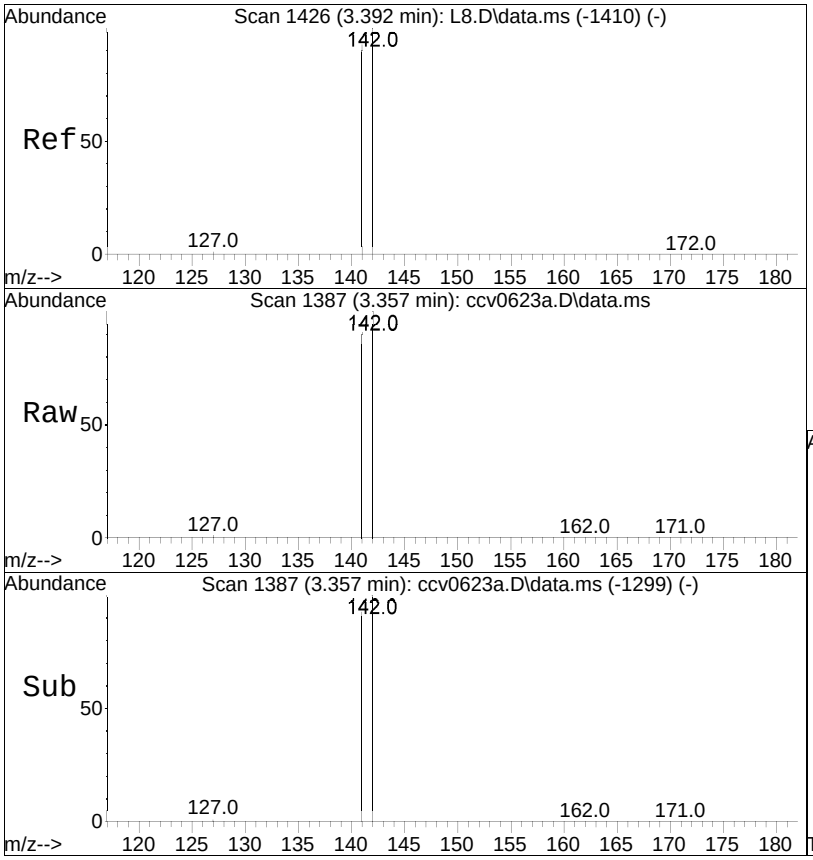


#11
Hexachlorobutadiene
Concen: 951.04 ng/ml
RT: 3.048 min Scan# 1154
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:225 Resp: 41421

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.4

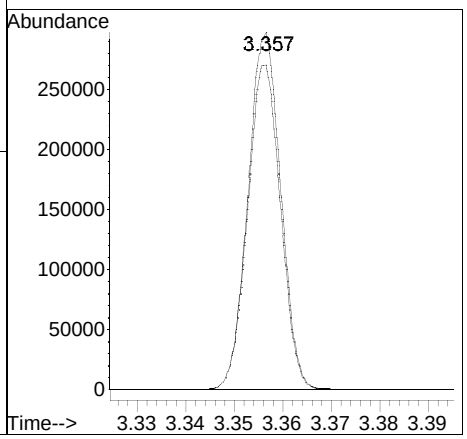


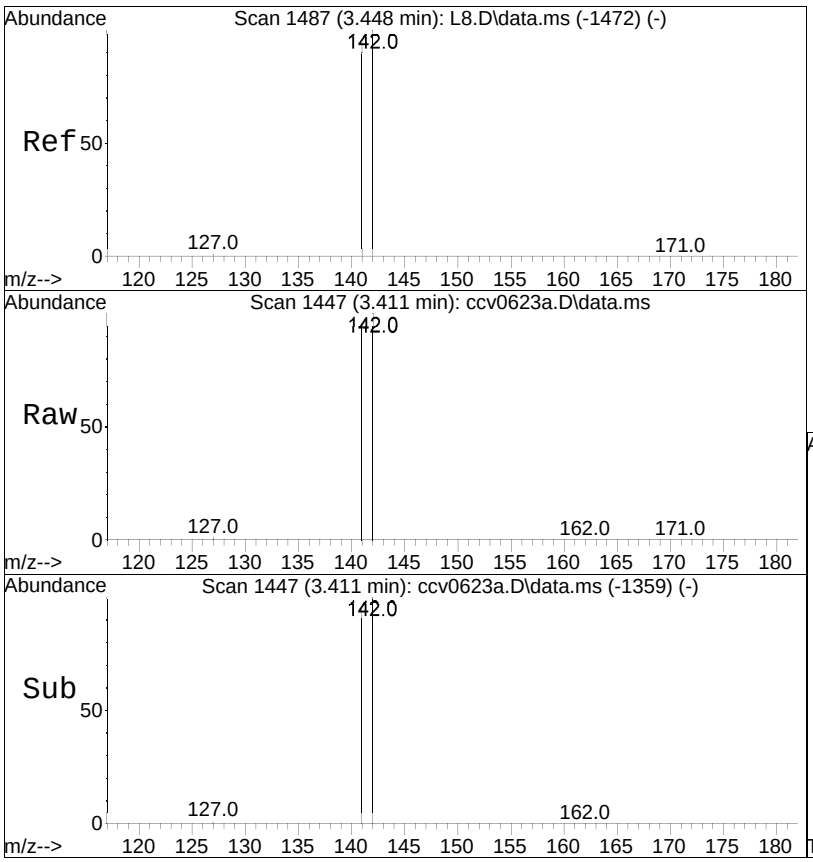


#12
2-Methylnaphthalene
Concen: 939.54 ng/ml
RT: 3.357 min Scan# 1387
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:142 Resp: 137039

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

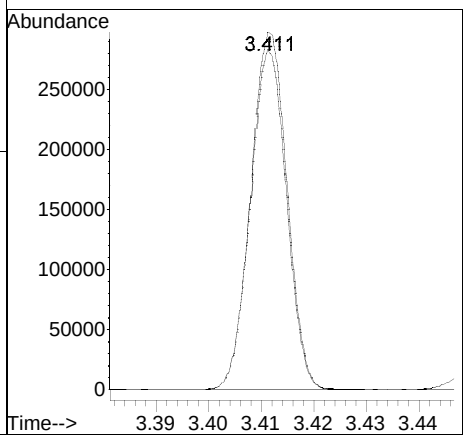


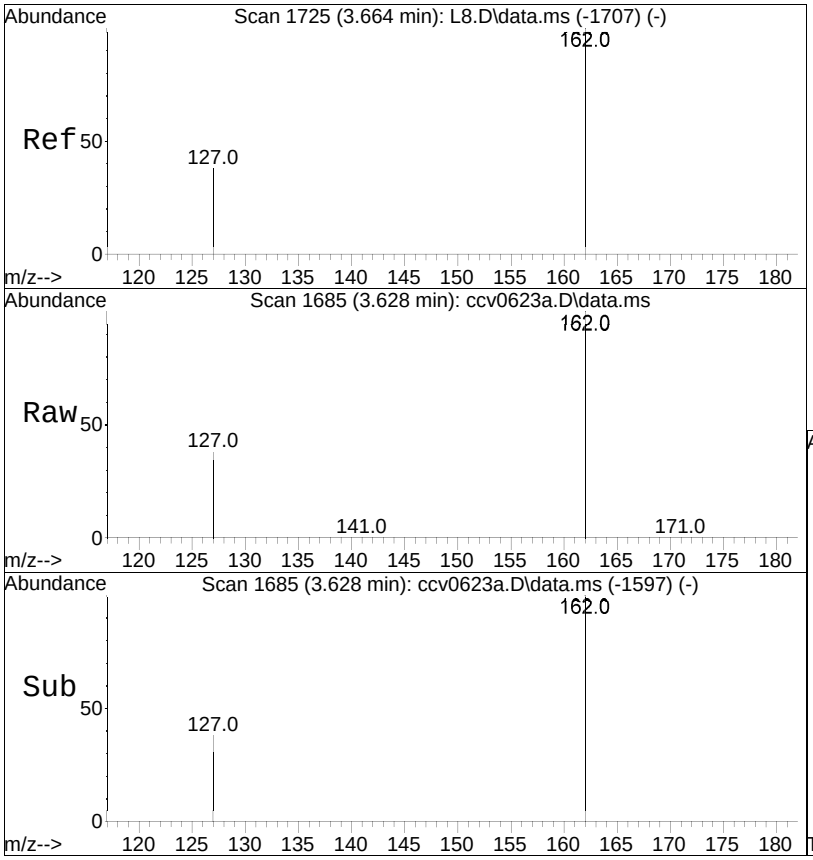


#13
1-Methylnaphthalene
Concen: 930.59 ng/ml
RT: 3.411 min Scan# 1447
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:142 Resp: 140321

Ion	Ratio	Lower	Upper
142	100		
141	94.6	76.0	114.0

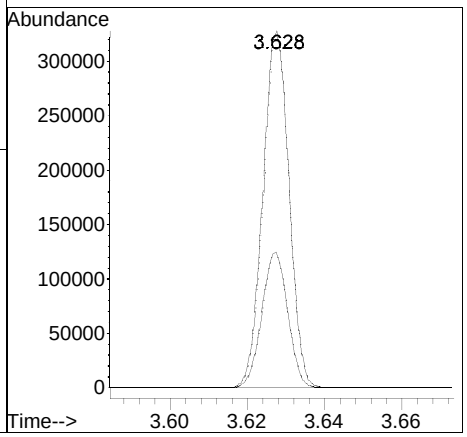


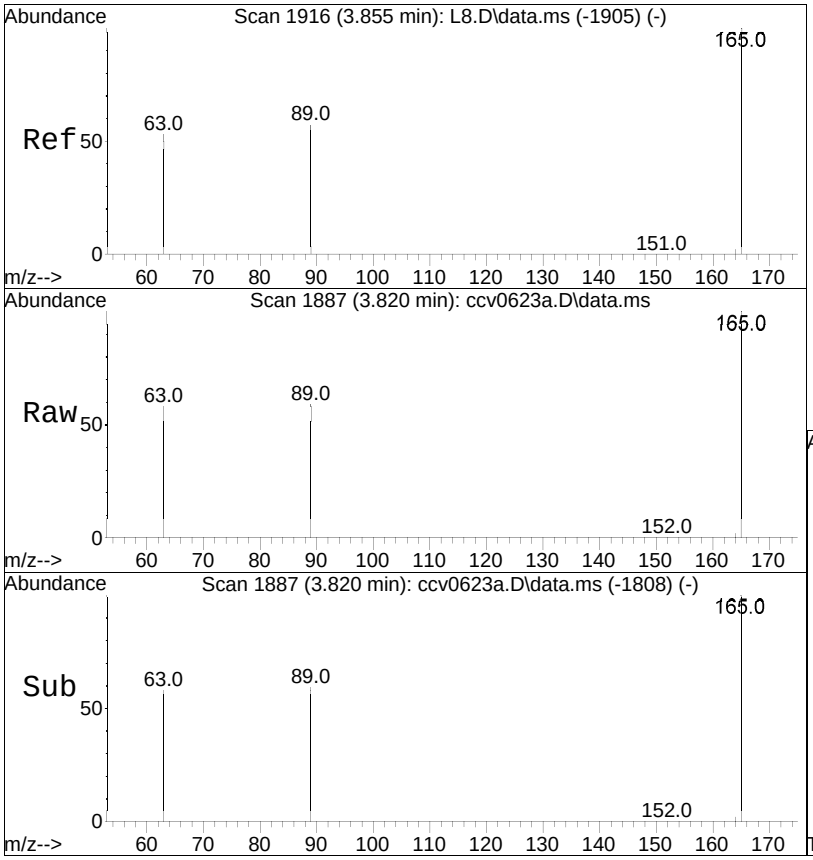


#15
2-Chloronaphthalene
Concen: 920.83 ng/ml
RT: 3.628 min Scan# 1685
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:162 Resp: 150628

Ion	Ratio	Lower	Upper
162	100		
127	38.0	29.8	44.8

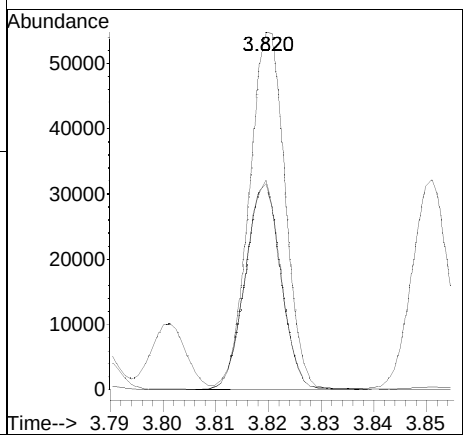


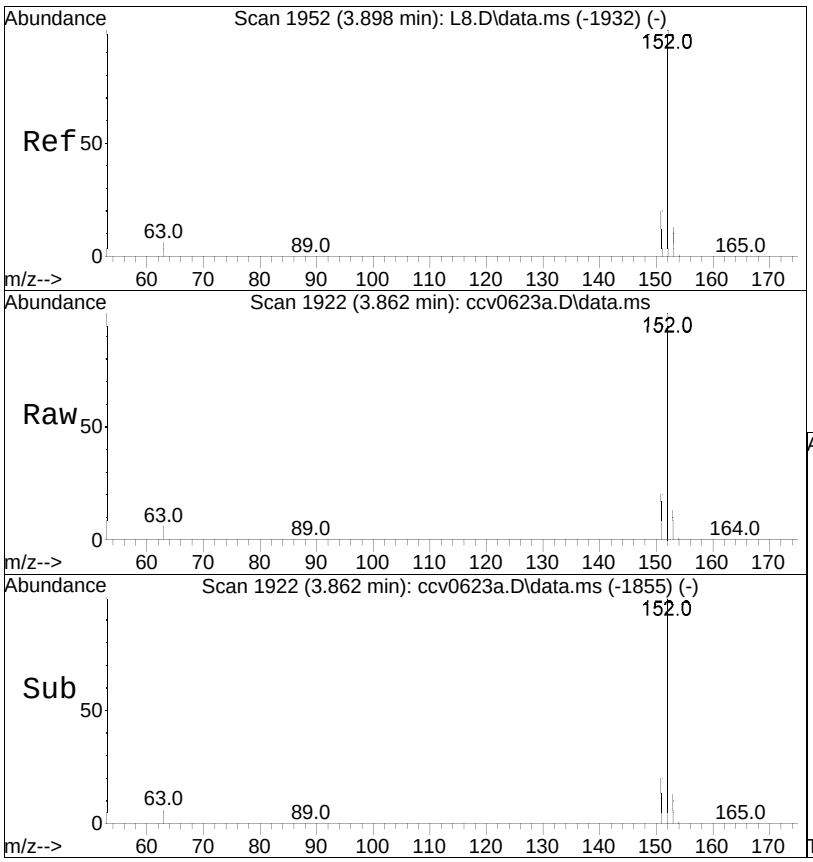


#16
2,6-Dinitrotoluene
Concen: 773.31 ng/ml
RT: 3.820 min Scan# 1887
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:165 Resp: 25729

Ion	Ratio	Lower	Upper
165	100		
89	57.3	45.6	68.4
63	57.7	45.4	68.2

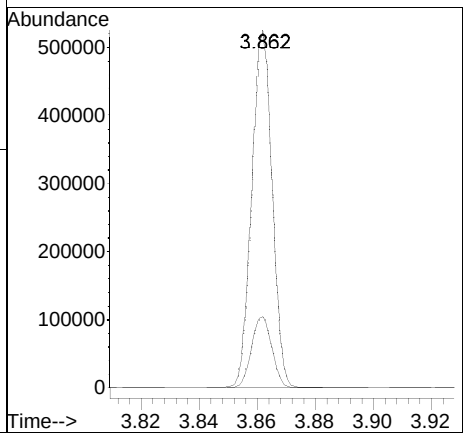


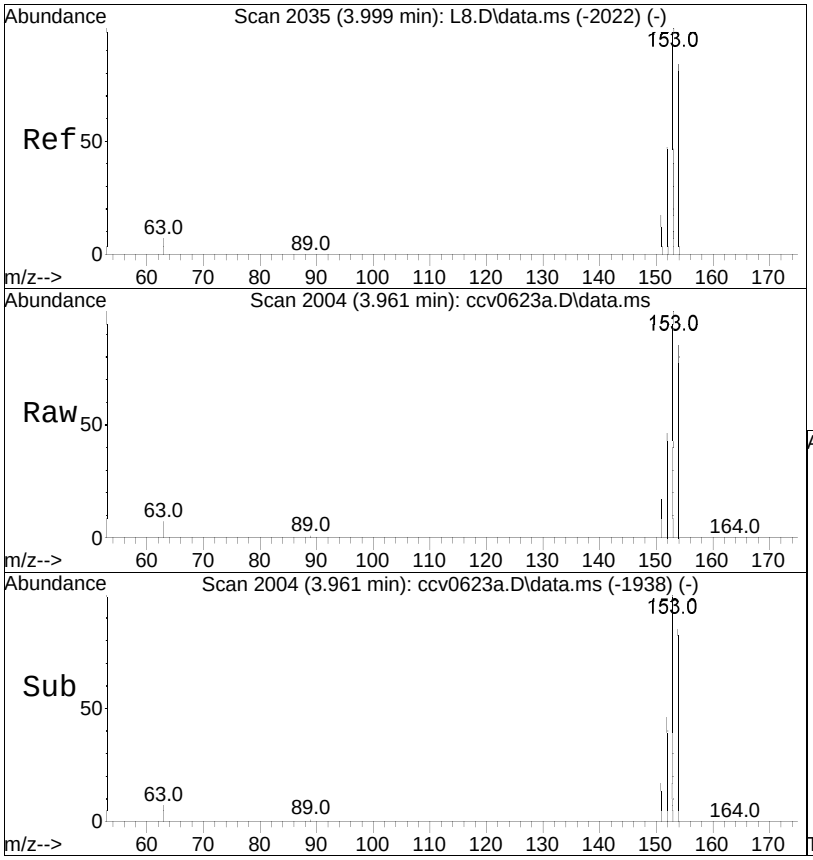


#17
Acenaphthylene
Concen: 931.91 ng/ml
RT: 3.862 min Scan# 1922
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:152 Resp: 253397

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.2	24.2

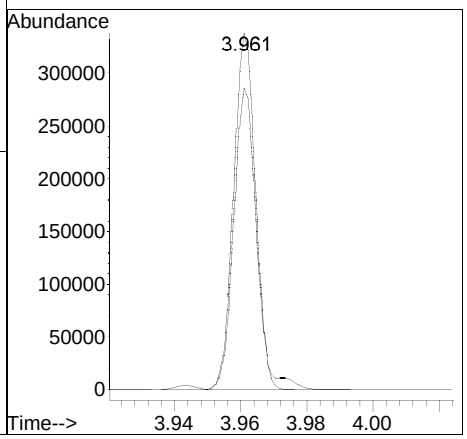


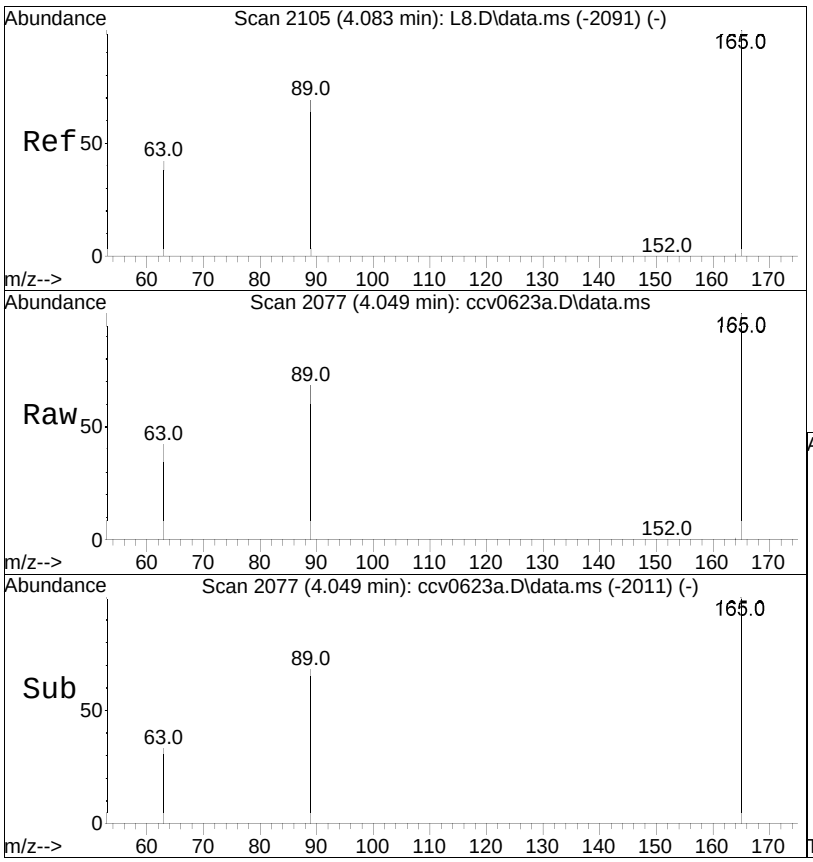


#19
Acenaphthene
Concen: 930.48 ng/ml
RT: 3.961 min Scan# 2004
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:153 Resp: 154945

Ion	Ratio	Lower	Upper
153	100		
154	88.3	72.0	108.0

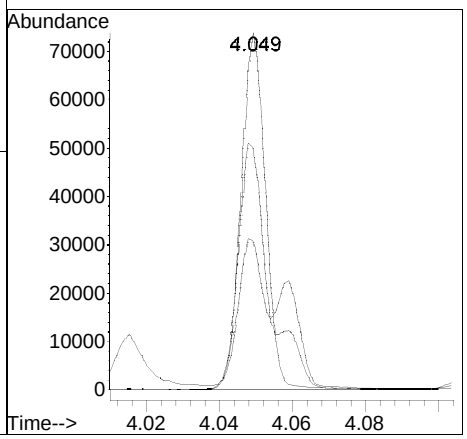


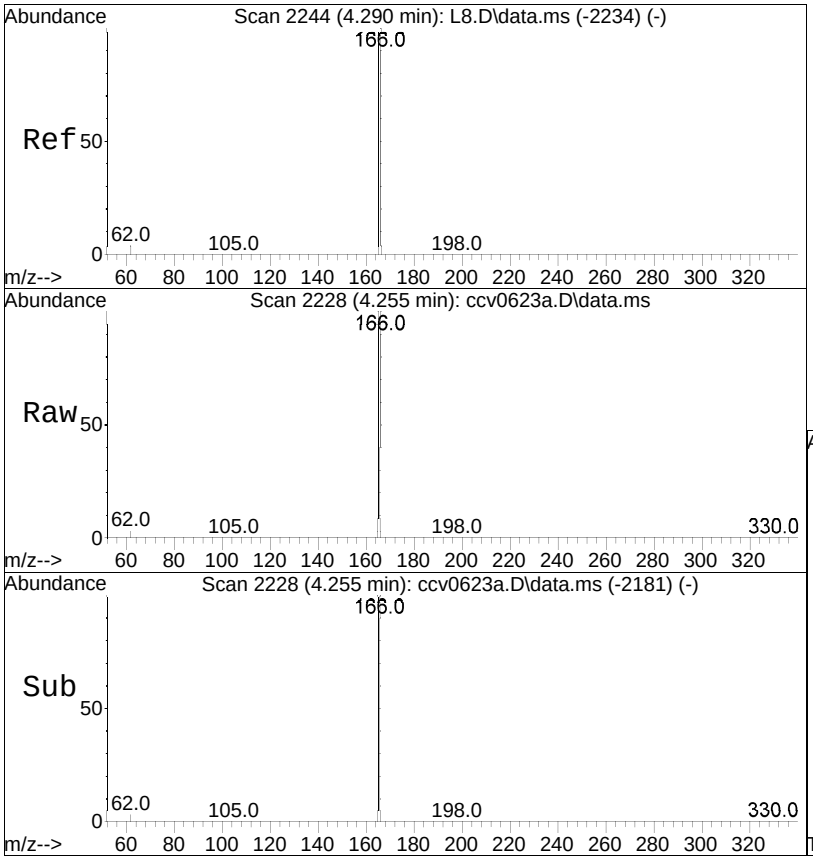


#20
2,4-Dinitrotoluene
Concen: 767.40 ng/ml
RT: 4.049 min Scan# 2077
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:165 Resp: 33910

Ion	Ratio	Lower	Upper
165	100		
89	74.8	56.6	85.0
63	45.4	35.0	52.6

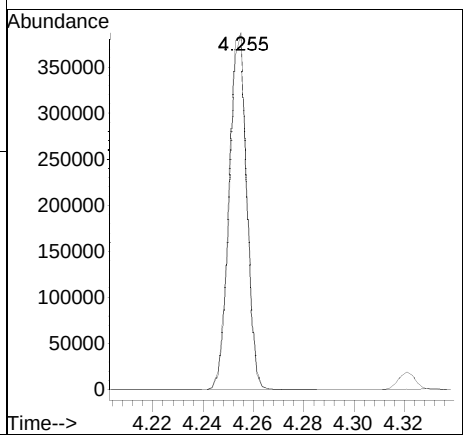


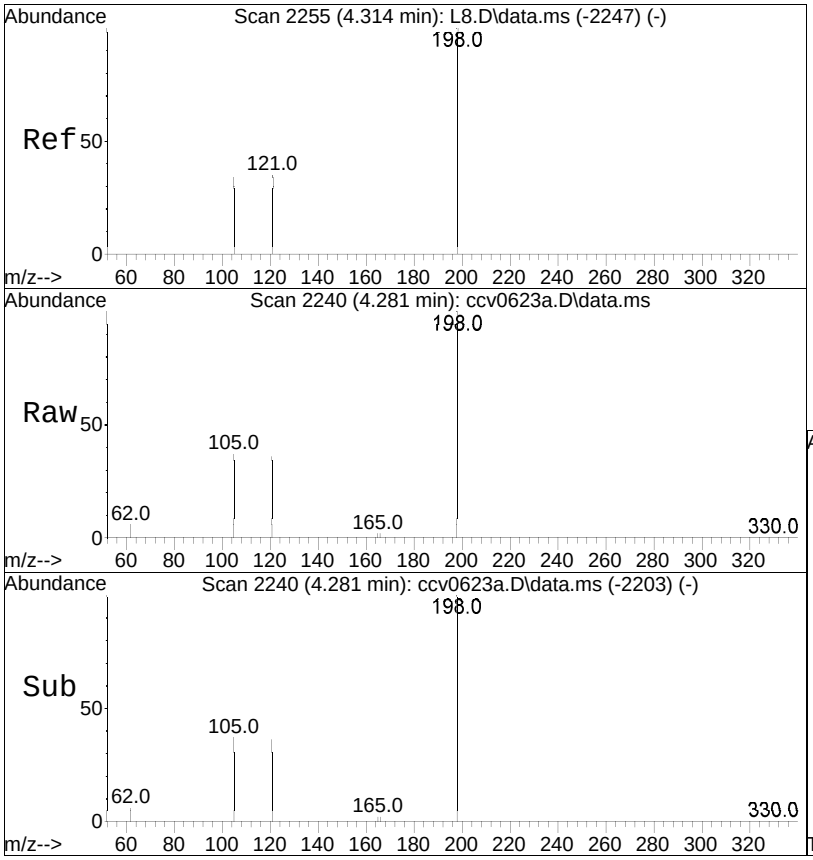


#21
Fluorene
Concen: 934.20 ng/ml
RT: 4.255 min Scan# 2228
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:166 Resp: 186106

Ion	Ratio	Lower	Upper
166	100		
165	101.7	81.5	122.3

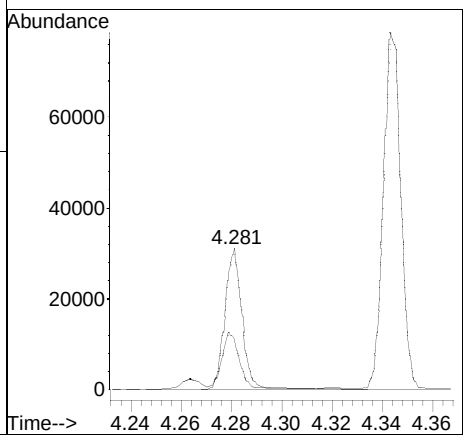


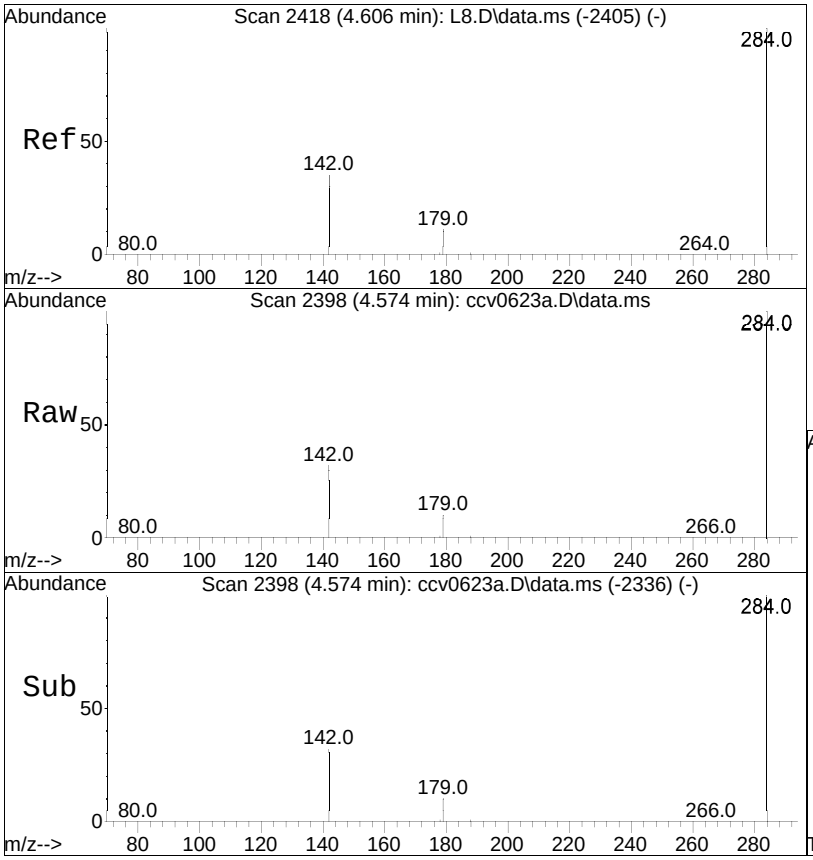


#24
4,6-Dinitro-o-cresol
Concen: 633.76 ng/ml
RT: 4.281 min Scan# 2240
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:198 Resp: 14983

Ion	Ratio	Lower	Upper
198	100		
105	39.5	32.1	48.1

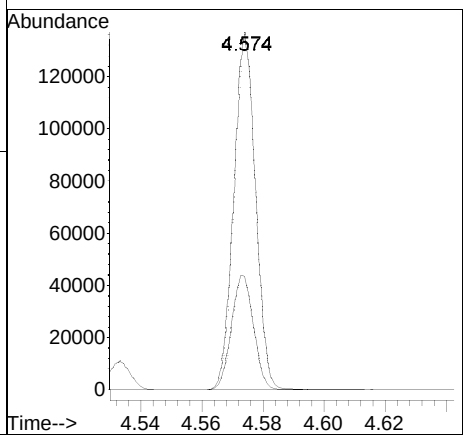


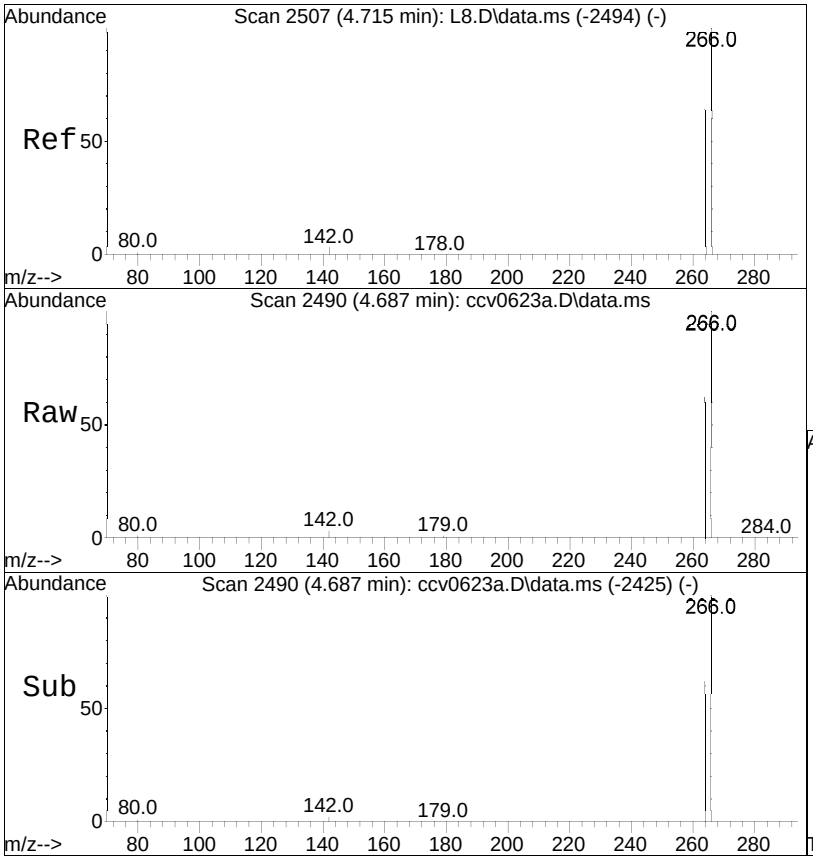


#25
Hexachlorobenzene
Concen: 984.66 ng/ml
RT: 4.574 min Scan# 2398
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:284 Resp: 66528

Ion	Ratio	Lower	Upper
284	100		
142	32.5	28.8	43.2

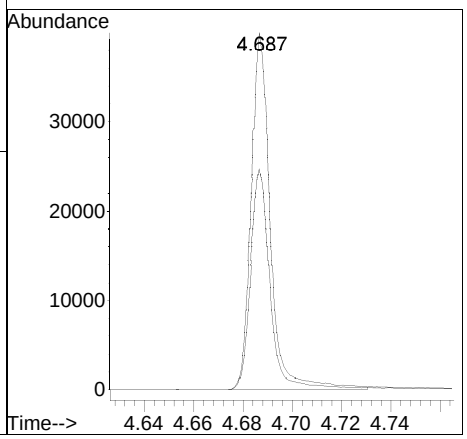


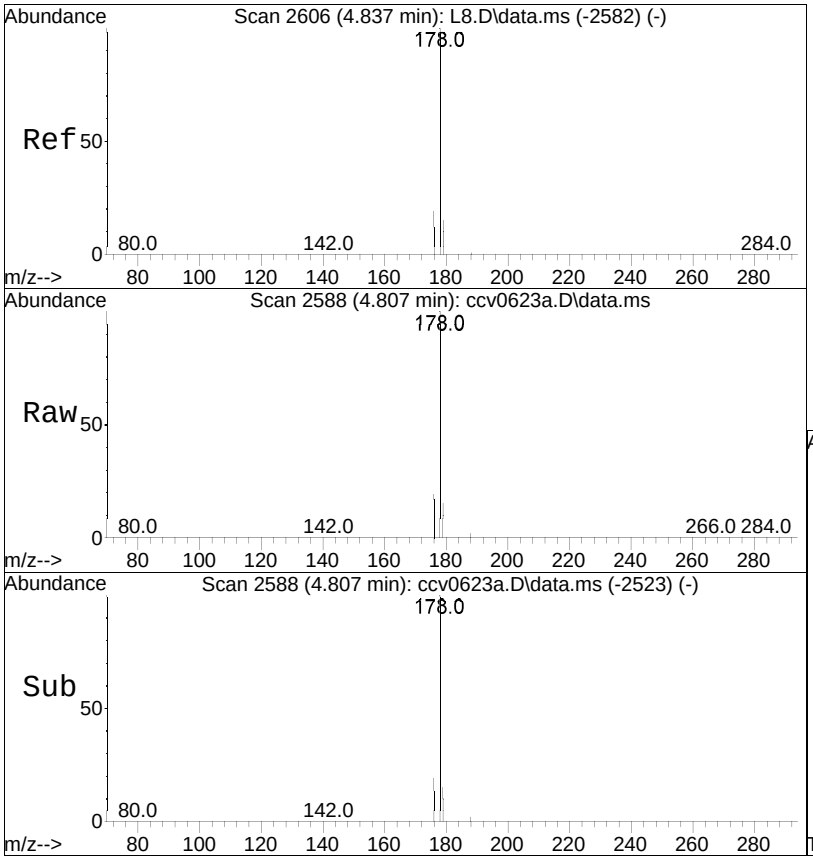


#26
Pentachlorophenol
Concen: 711.48 ng/ml
RT: 4.687 min Scan# 2490
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:266 Resp: 21435

Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.6	76.0

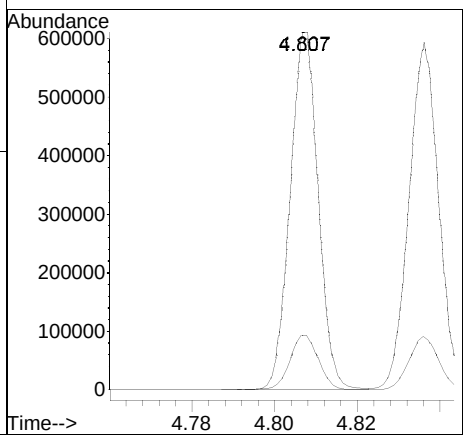


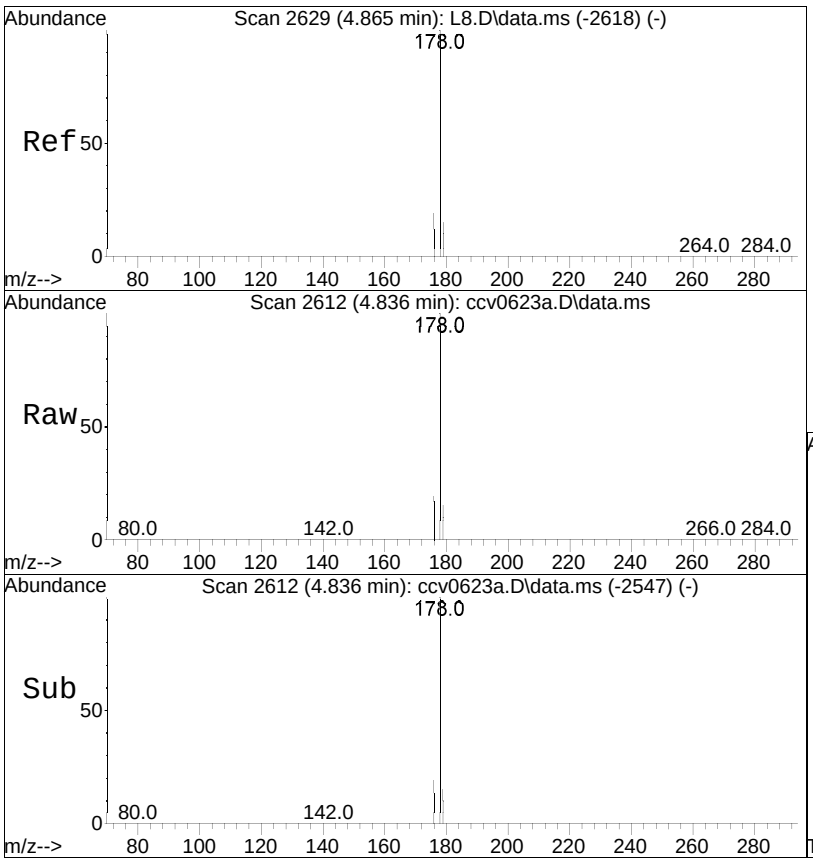


#27
Phenanthrene
Concen: 888.95 ng/ml
RT: 4.807 min Scan# 2588
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:178 Resp: 288379

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

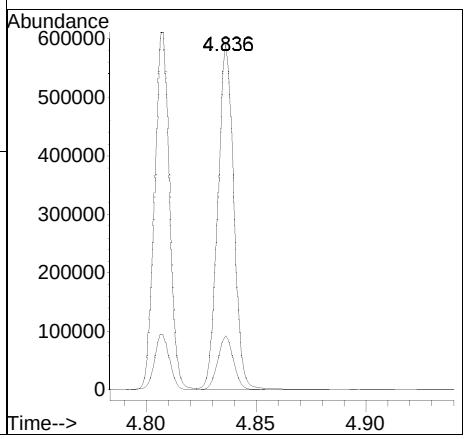


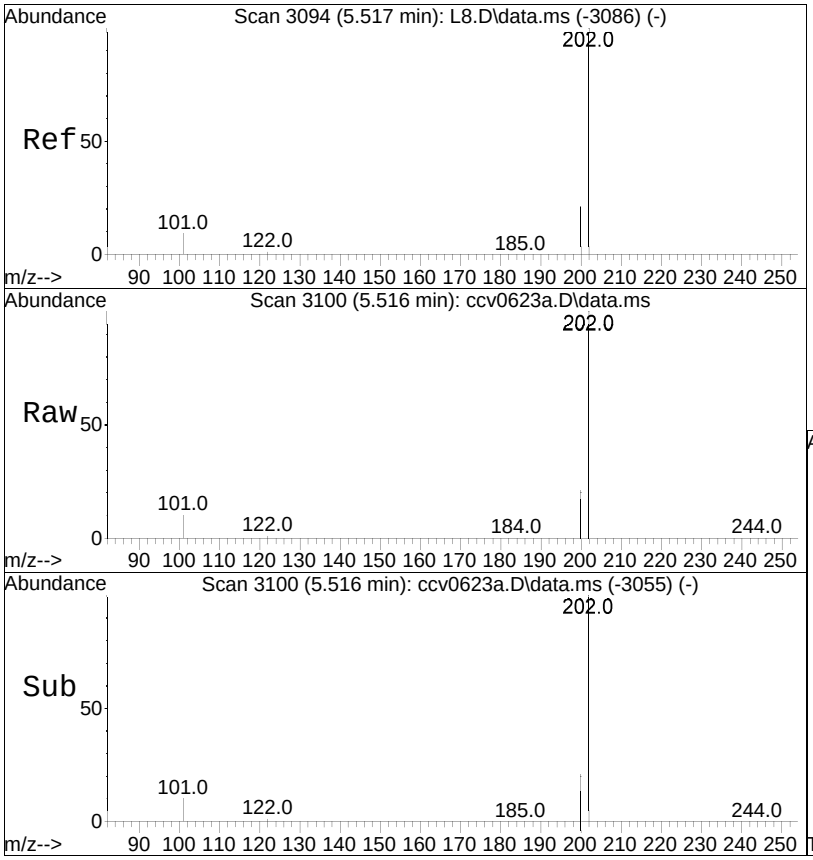


#28
Anthracene
Concen: 944.28 ng/ml
RT: 4.836 min Scan# 2612
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:178 Resp: 298848

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2

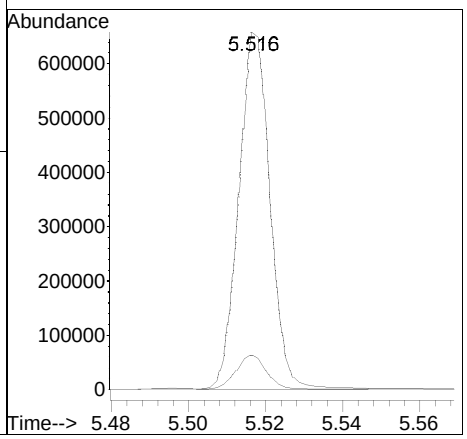


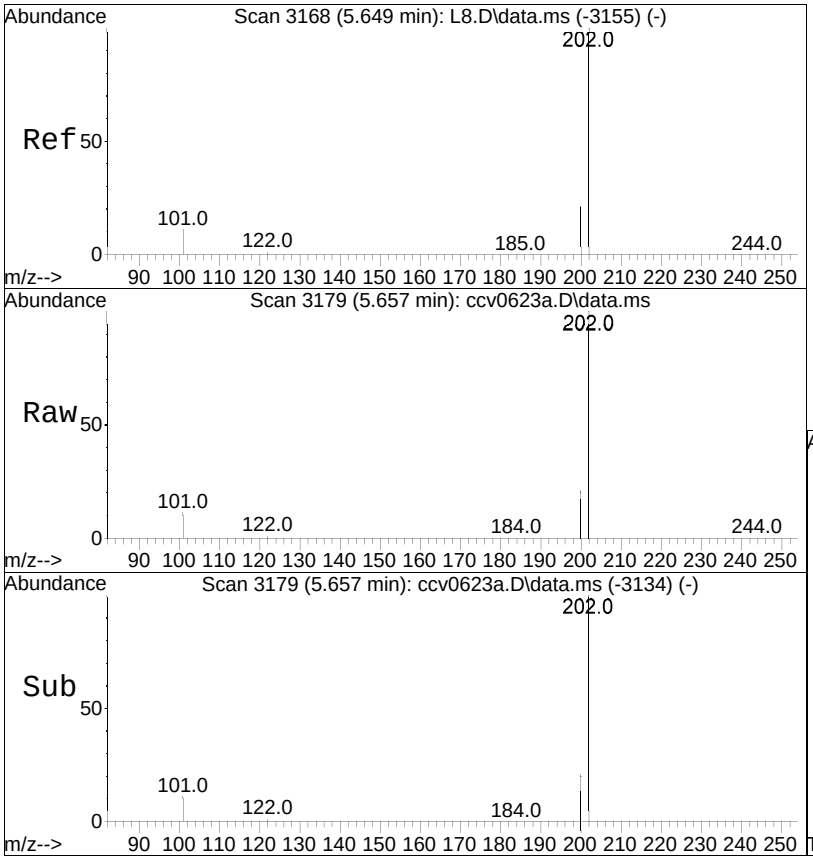


#29
Fluoranthene
Concen: 929.89 ng/ml M3
RT: 5.516 min Scan# 3100
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:202 Resp: 366909

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.5	11.3

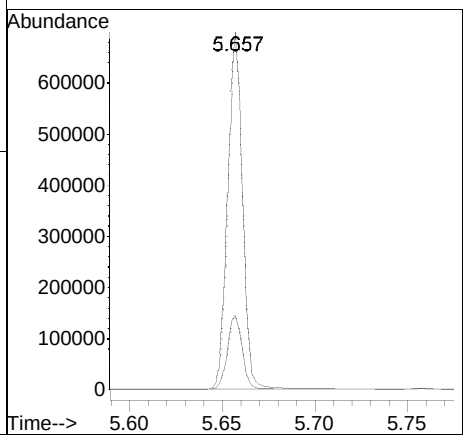


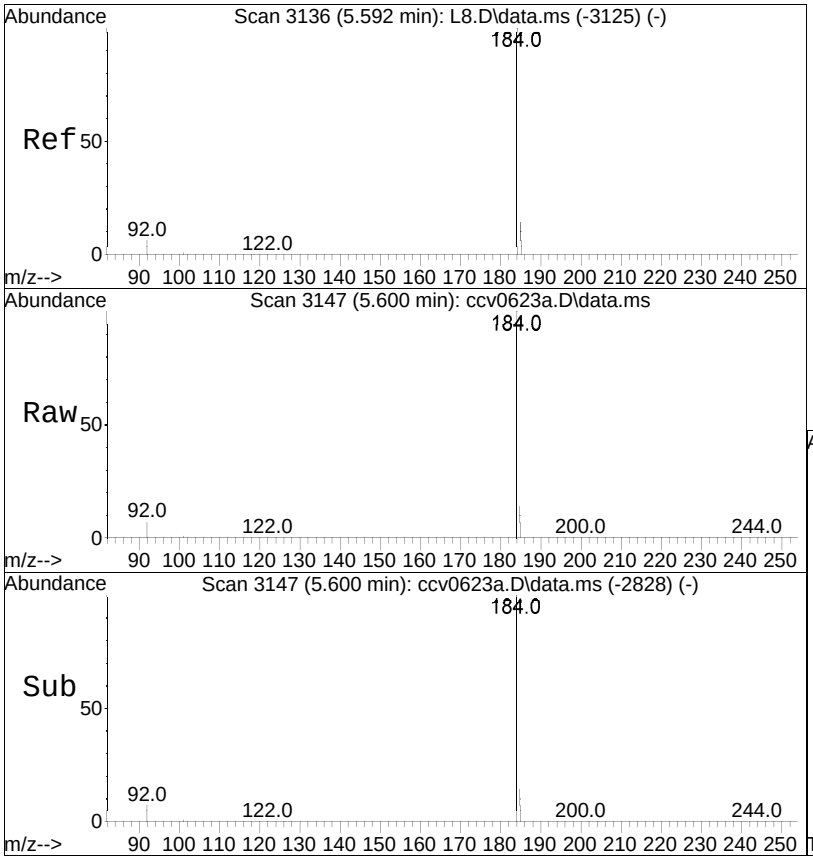


#30
Pyrene
Concen: 933.94 ng/ml
RT: 5.657 min Scan# 3179
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:202 Resp: 380229

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

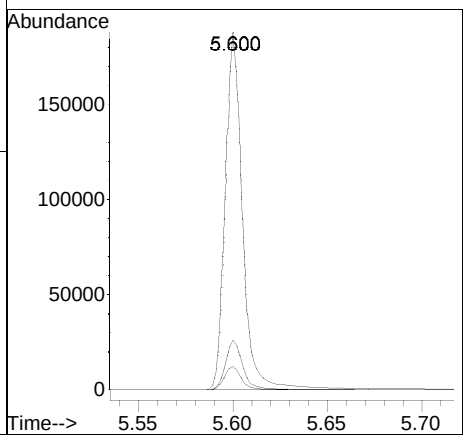


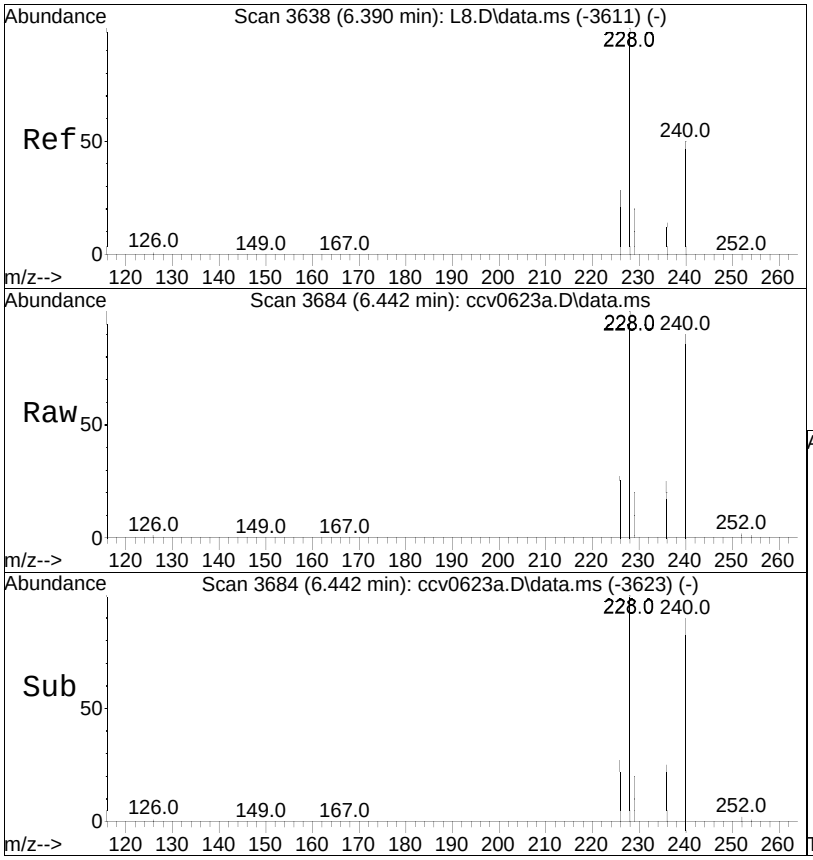


#31
Benzidine
Concen: 762.73 ng/mL
RT: 5.600 min Scan# 3147
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:184 Resp: 116830

Ion	Ratio	Lower	Upper
184	100		
92	6.5	5.2	7.8
185	14.0	11.2	16.8

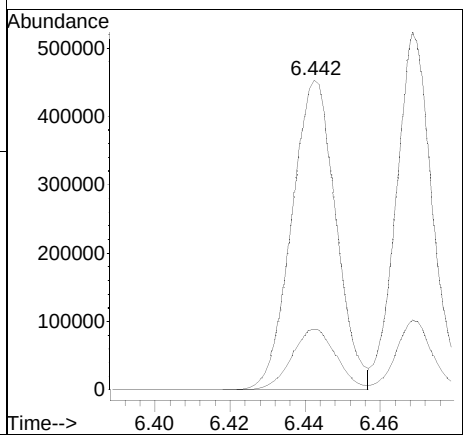


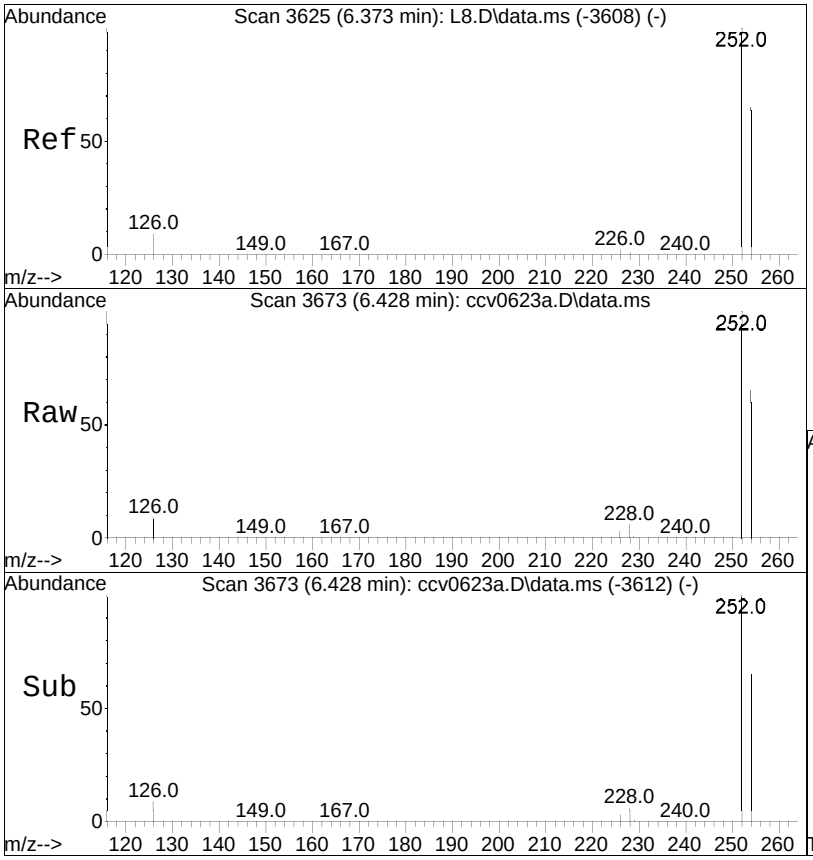


#34
Benzo[a]anthracene
Concen: 902.79 ng/ml
RT: 6.442 min Scan# 3684
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:228 Resp: 370487

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

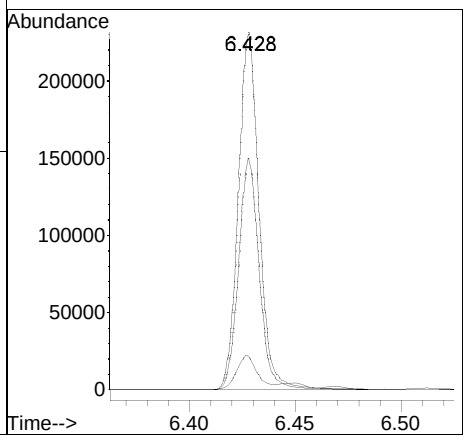


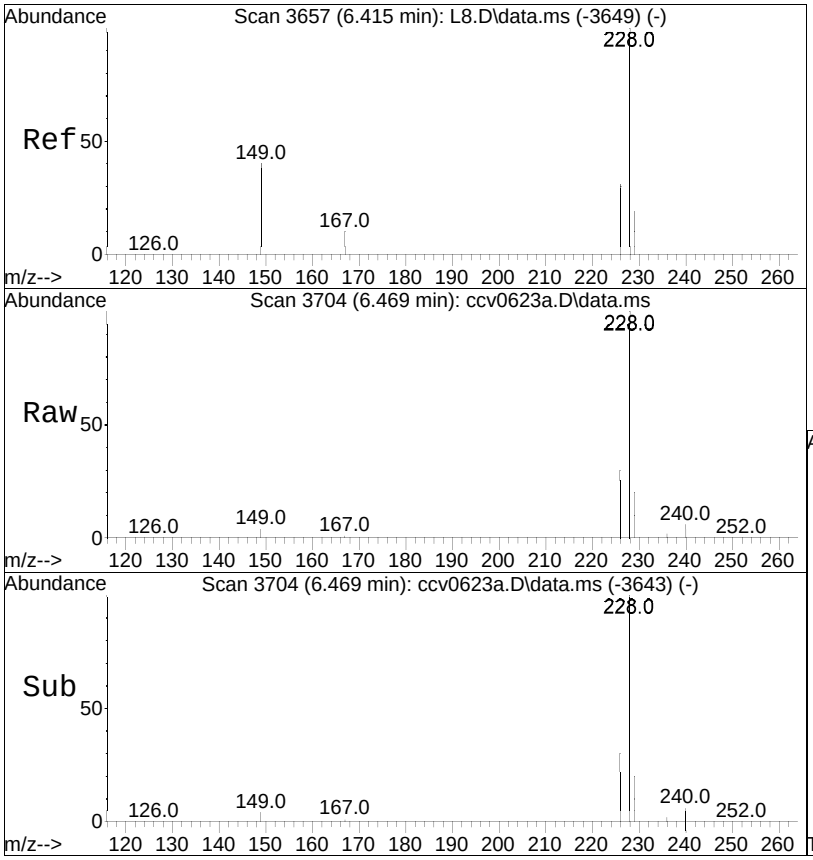


#35
3,3'-Dichlorobenzidine
Concen: 1018.46 ng/ml
RT: 6.428 min Scan# 3673
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:252 Resp: 154772

Ion	Ratio	Lower	Upper
252	100		
126	9.3	7.7	11.5
254	64.7	51.8	77.6

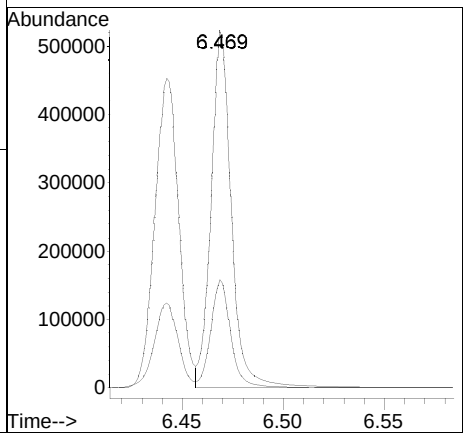


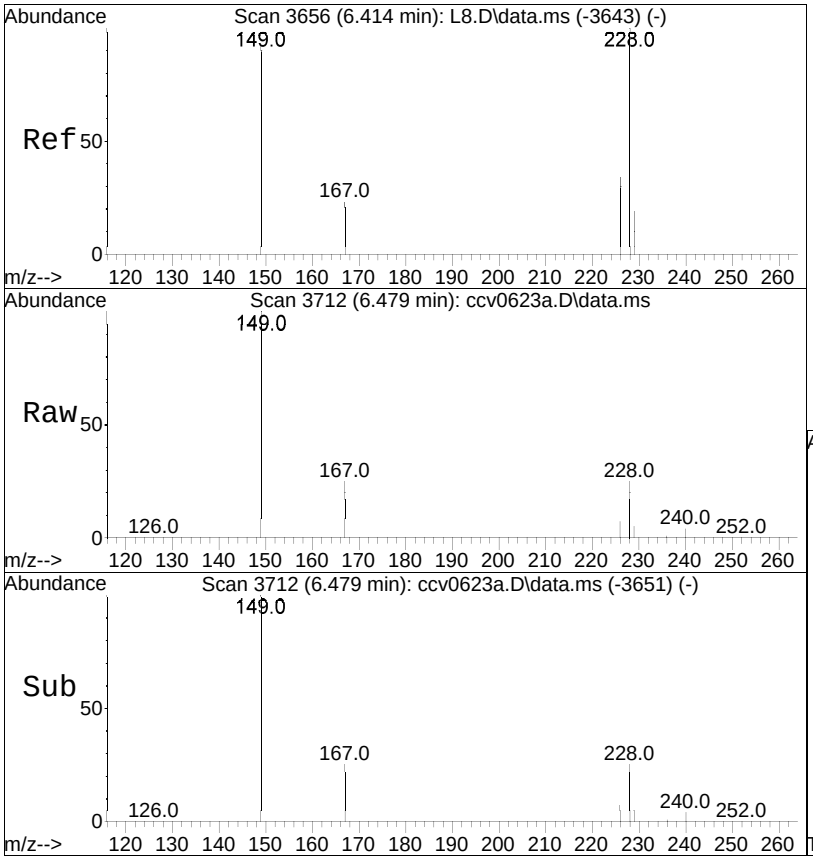


#36
Chrysene
Concen: 944.69 ng/ml
RT: 6.469 min Scan# 3704
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:228 Resp: 361435

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.6	37.0

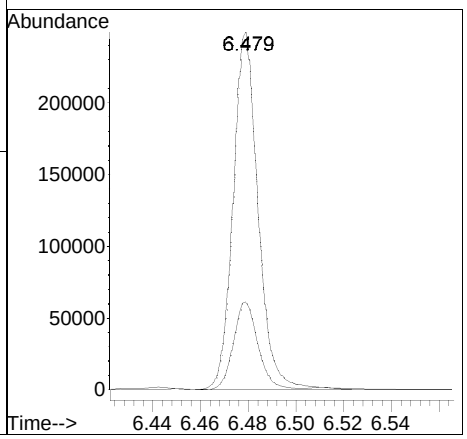


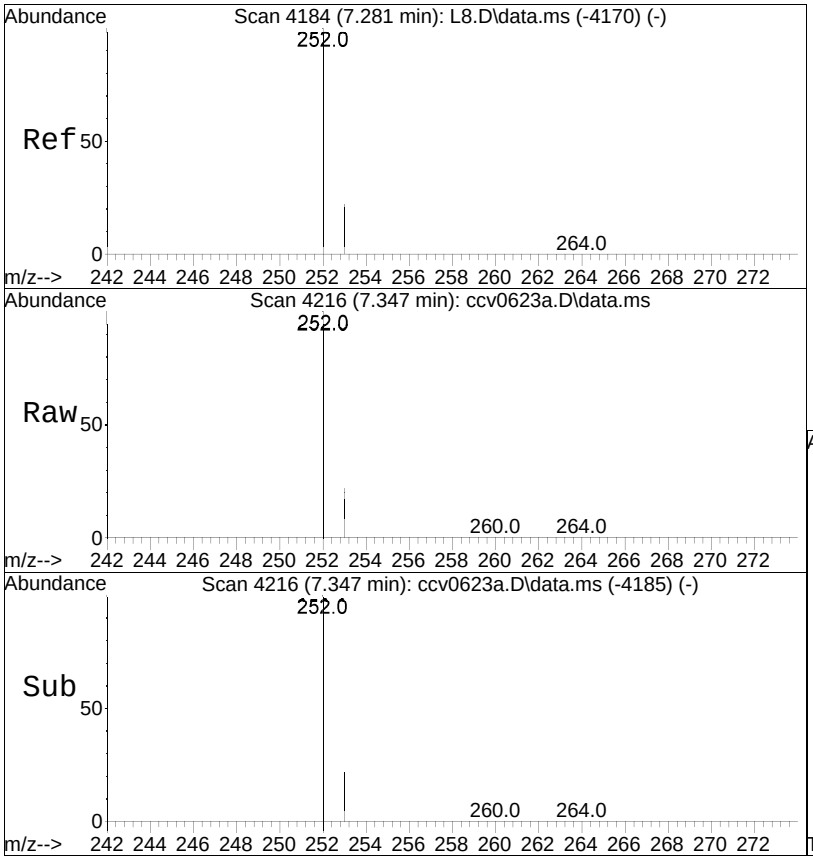


#37
Bis(2-ethylhexyl)phthalate
Concen: 800.49 ng/ml
RT: 6.479 min Scan# 3712
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:149 Resp: 178282

Ion	Ratio	Lower	Upper
149	100		
167	24.2	19.6	29.4

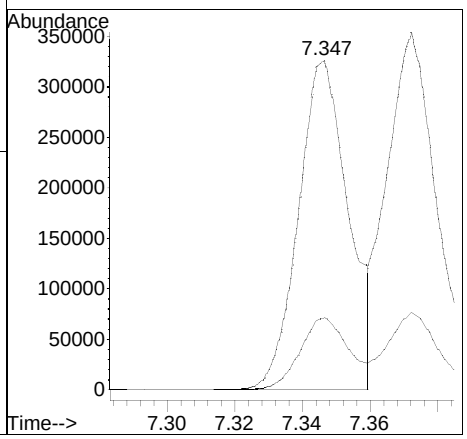


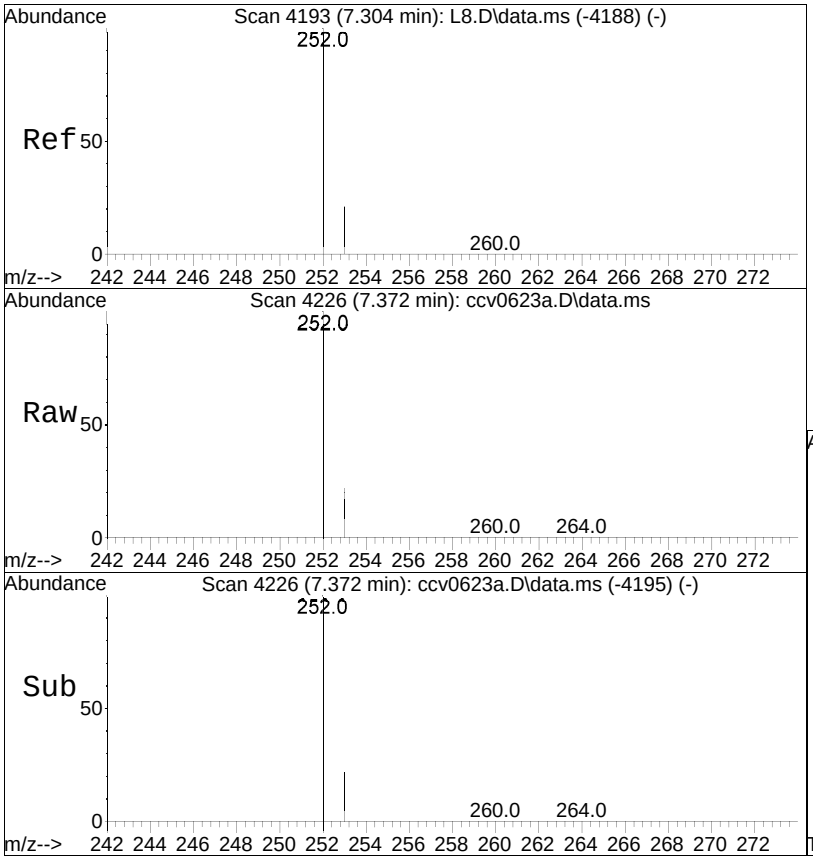


#39
Benzo[b]fluoranthene
Concen: 912.36 ng/ml
RT: 7.347 min Scan# 4216
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:252 Resp: 335781

Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1

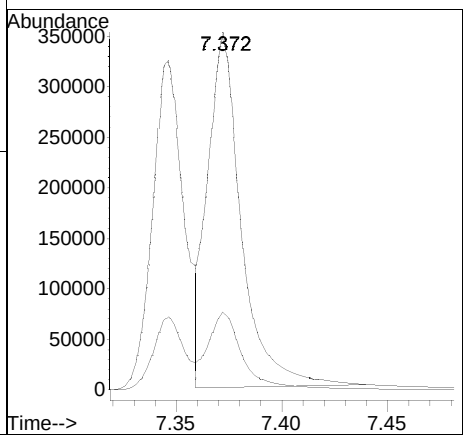


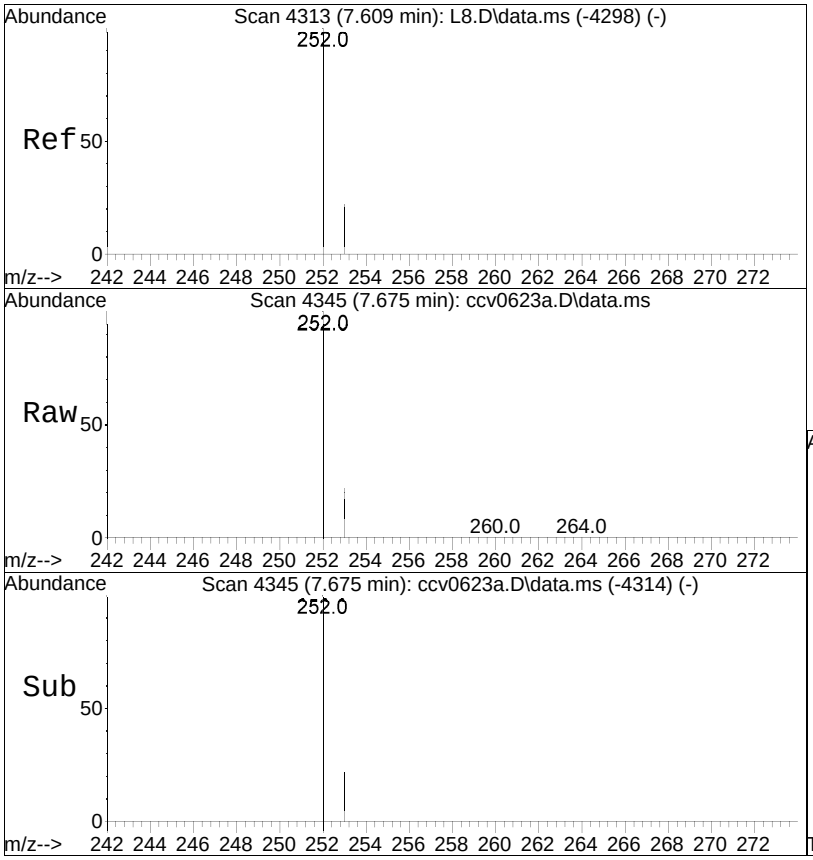


#40
Benzo[k]fluoranthene
Concen: 992.39 ng/ml
RT: 7.372 min Scan# 4226
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:252 Resp: 385717

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.4

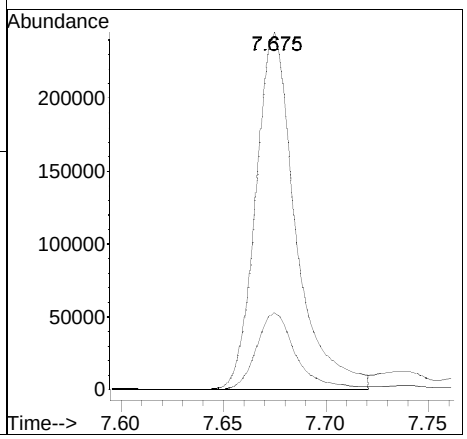


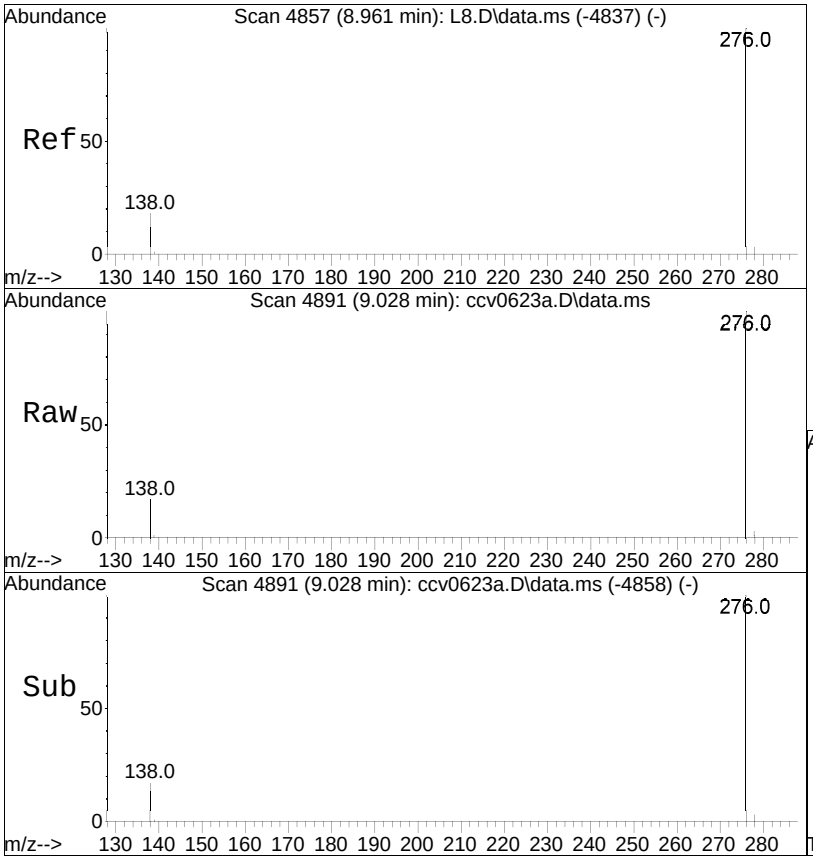


#41
Benzo[a]pyrene
Concen: 975.42 ng/ml
RT: 7.675 min Scan# 4345
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:252 Resp: 326701

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

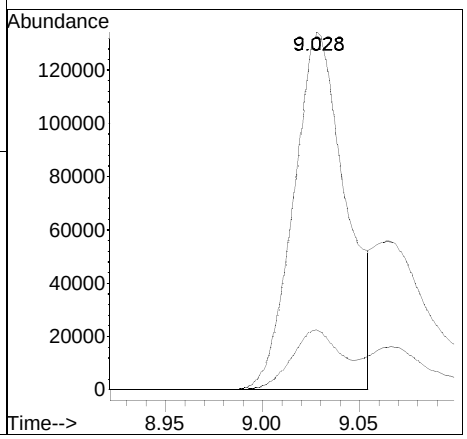


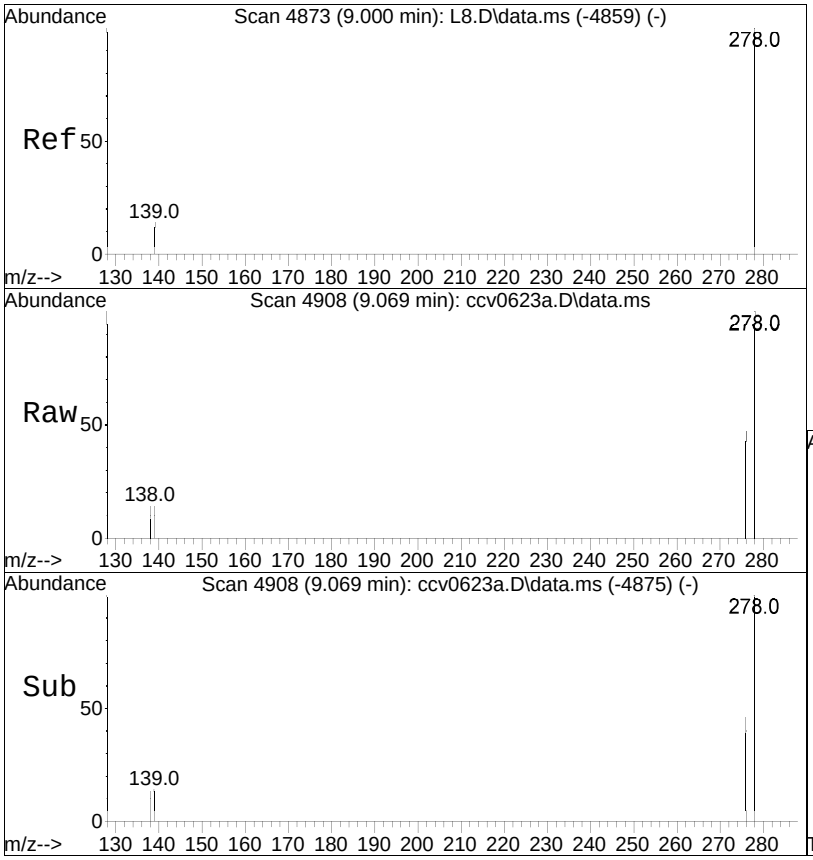


#42
Indeno[1,2,3-cd]pyrene
Concen: 711.02 ng/ml
RT: 9.028 min Scan# 4891
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:276 Resp: 248498

Ion	Ratio	Lower	Upper
276	100		
138	15.6	14.4	21.6

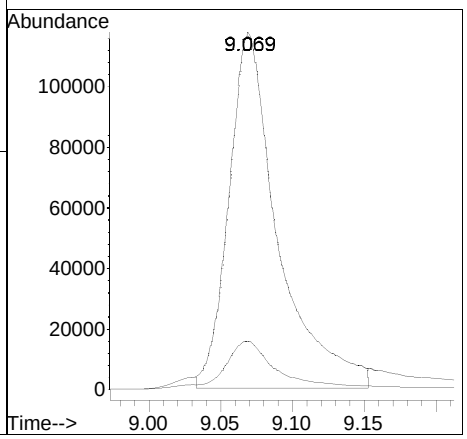


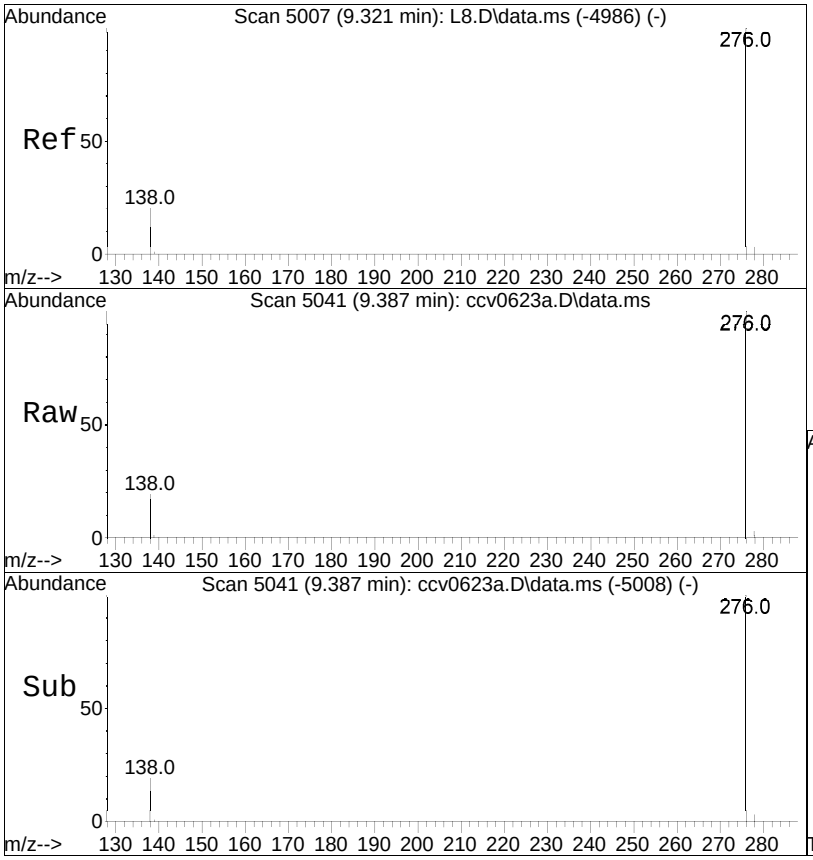


#43
Dibenzo[a,h]anthracene
Concen: 835.38 ng/ml M6
RT: 9.069 min Scan# 4908
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:278 Resp: 279145

Ion	Ratio	Lower	Upper
278	100		
139	14.2	12.1	18.1

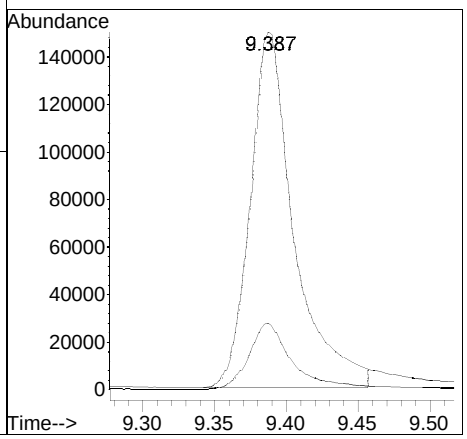




#44
Benzo[g,h,i]perylene
Concen: 872.86 ng/ml
RT: 9.387 min Scan# 5041
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

Tgt Ion:276 Resp: 313145

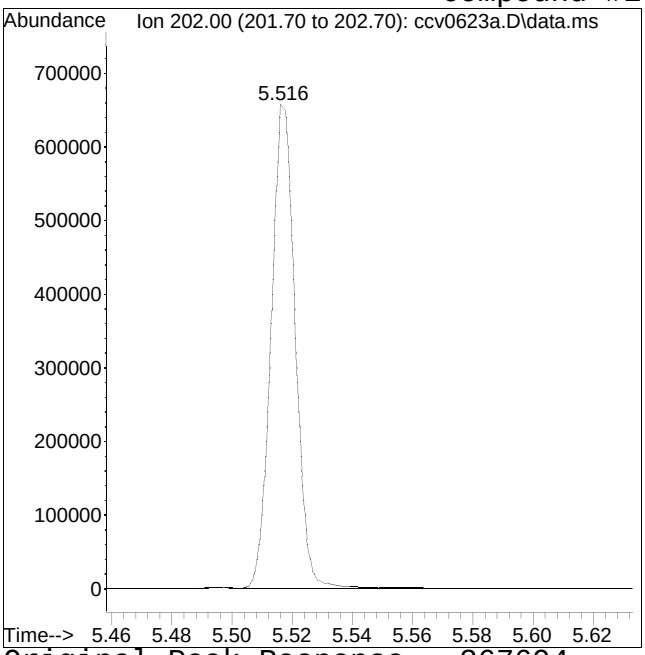
Ion	Ratio	Lower	Upper
276	100		
138	18.3	16.0	24.0

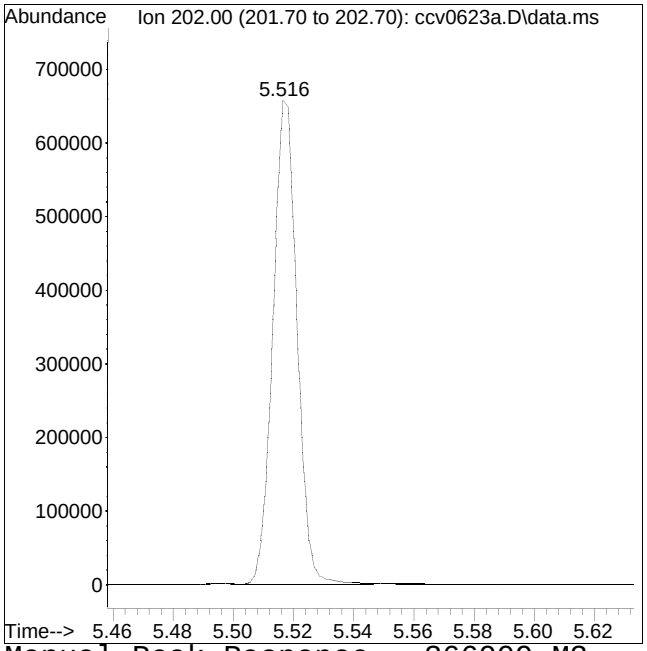


Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQMethod : SIM-RVT_250618_sv119.M
Data File : ccv0623a.D Operator : sv119:slr
Date Inj'd : 6/23/2025 9:12 am Instrument : SV119
Sample : WG2082224-3,32,,ICV 11696 Quant Date : 6/23/2025 9:30 am

Compound #29: Fluoranthene





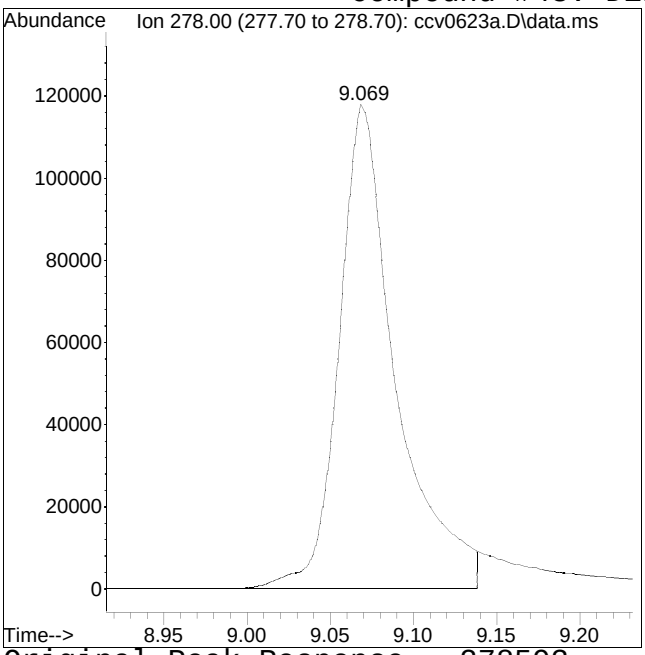
Original Peak Response = 367694 Manual Peak Response = 366909 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

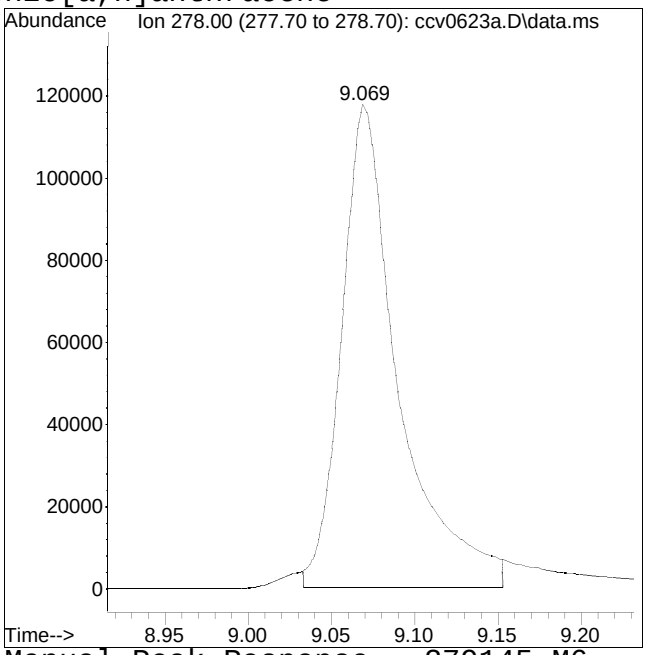
Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : ccv0623a.D
Date Inj'd : 6/23/2025 9:12 am
Sample : WG2082224-3,32,,ICV 11696
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/23/2025 9:30 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 278593



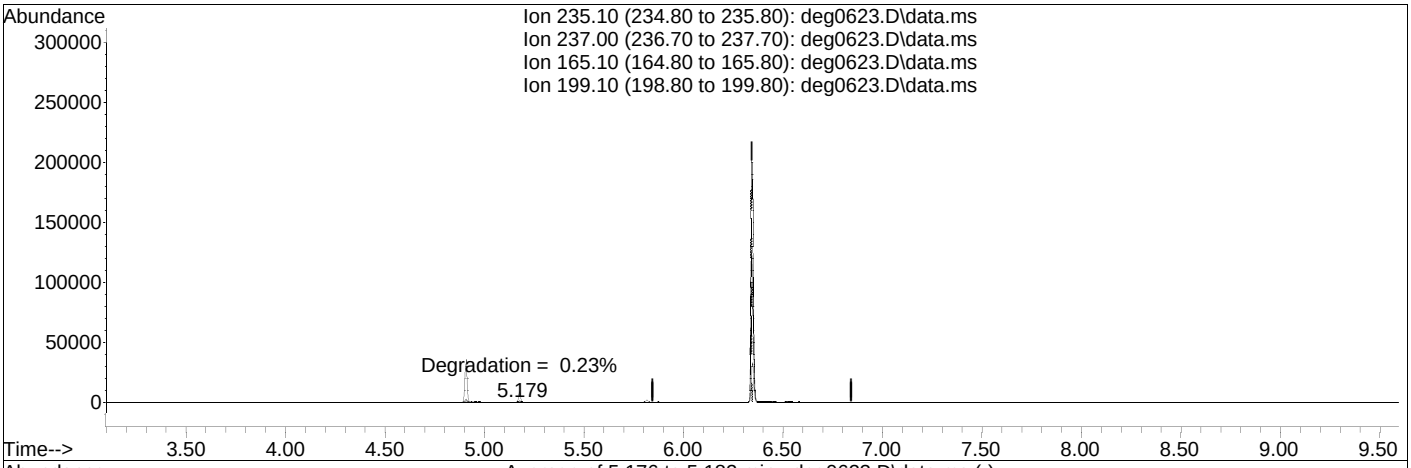
Manual Peak Response = 279145 M6

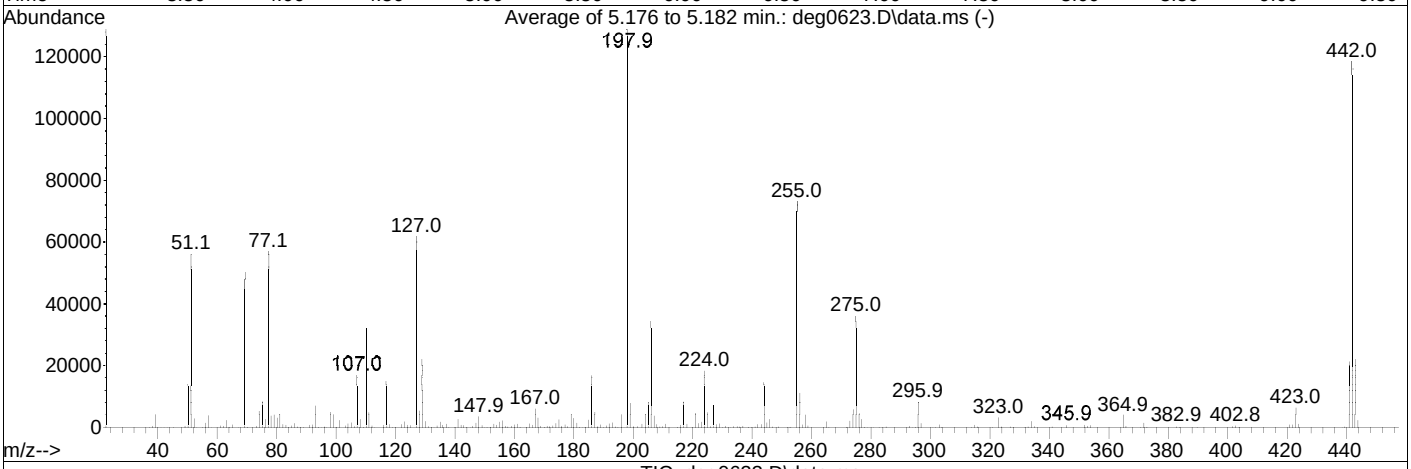
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : deg0623.D
Acq On : 23 Jun 2025 08:36 am
Operator : sv119:slr
Sample : WG2082224-2,32,,dftpp SV119 lot# 11649
Misc : WG2082224,,ical22394
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 23 08:52:48 2025
Quant Method : I:\8270SIM\sv119\250623RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0623.D\data.ms

(6) ddt (T)

6.345min (-0.000) 27.61

response 168324

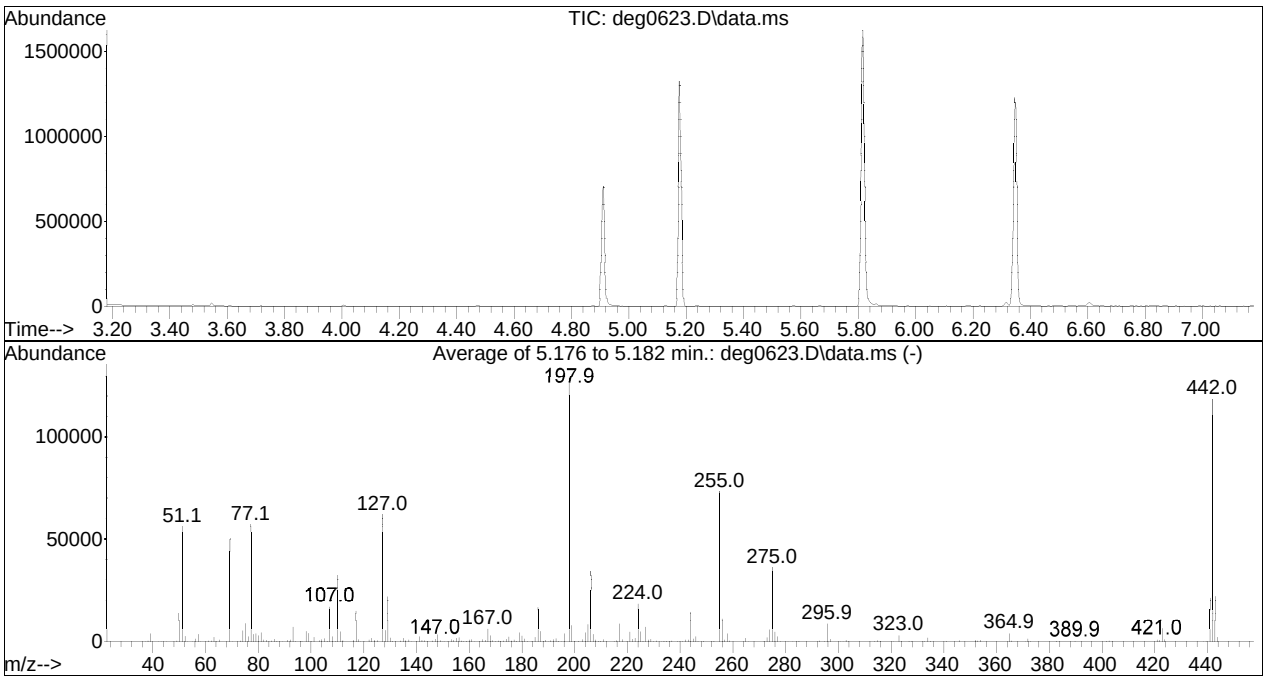
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.26
165.10	53.30	49.84
199.10	17.10	15.94

DFTPP

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : deg0623.D
Acq On : 23 Jun 2025 08:36 am
Operator : sv119:slr
Sample : WG2082224-1,32,,dftpp SV119 lot# 11649
Misc : WG2082224,,ical22394
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Mon Jun 23 09:30:43 2025



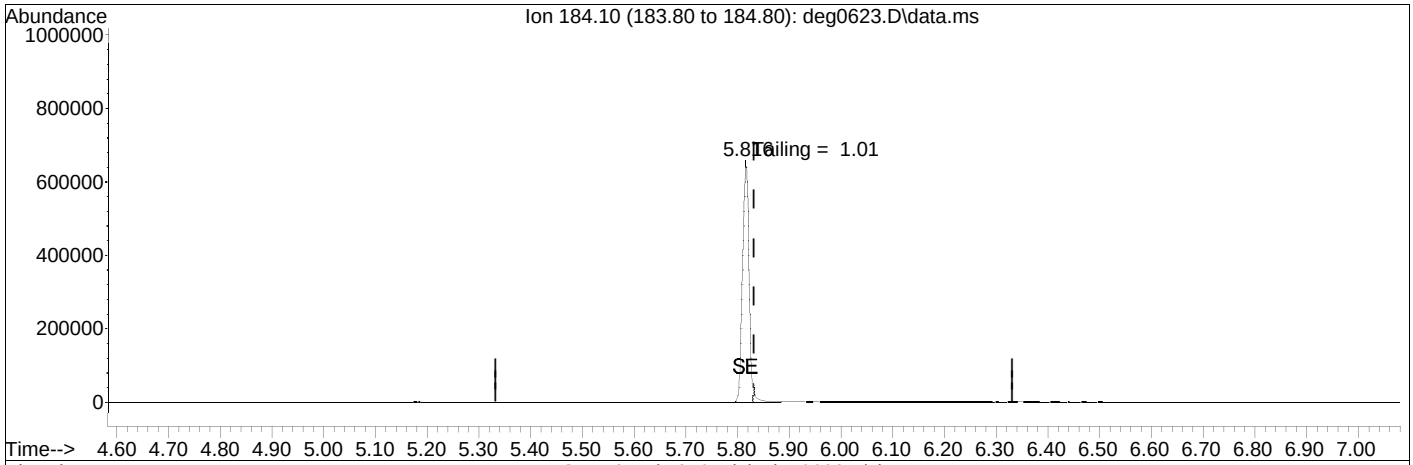
AutoFind: Scans 671, 672, 673; Background Corrected with Scan 664

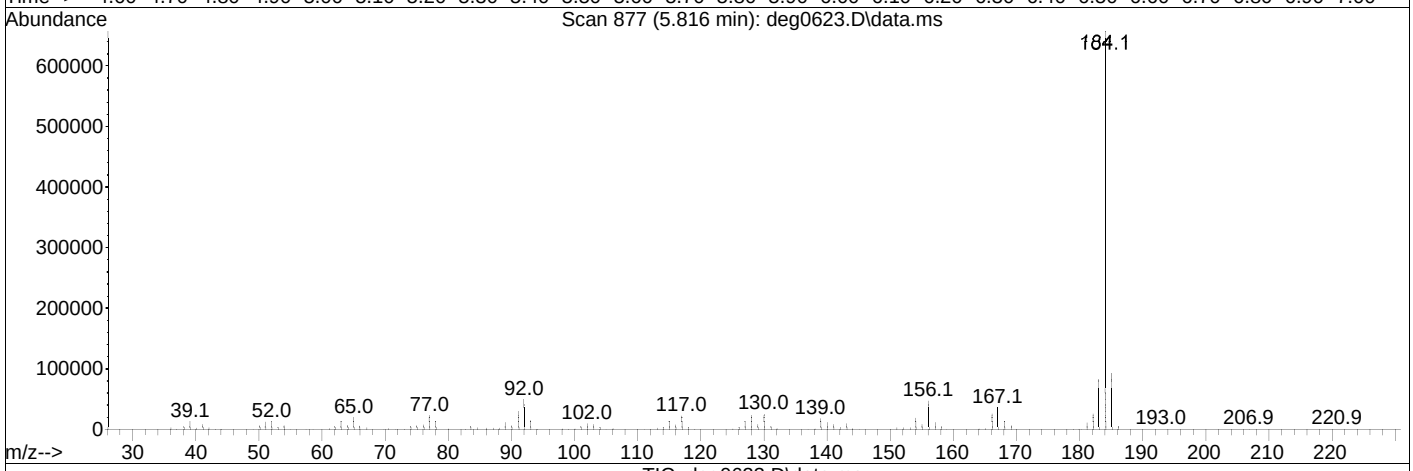
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.5	56067	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	50000	PASS
70	69	0.00	2	0.5	265	PASS
127	198	10	80	47.9	61741	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	128941	PASS
199	198	5	9	5.9	7616	PASS
275	198	10	60	27.9	35973	PASS
365	198	1	100	3.0	3884	PASS
441	442	0.01	24	18.0	21288	PASS
442	198	50	100	91.9	118435	PASS
443	442	15	24	18.6	22016	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : deg0623.D
Acq On : 23 Jun 2025 08:36 am
Operator : sv119:slr
Sample : WG2082224-4,32,,dftpp SV119 lot# 11649
Misc : WG2082224,,ical22394
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 23 08:52:48 2025
Quant Method : I:\8270SIM\sv119\250623RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0623.D\data.ms

(3) benzidine (T)

5.816min (-0.016) 52.39

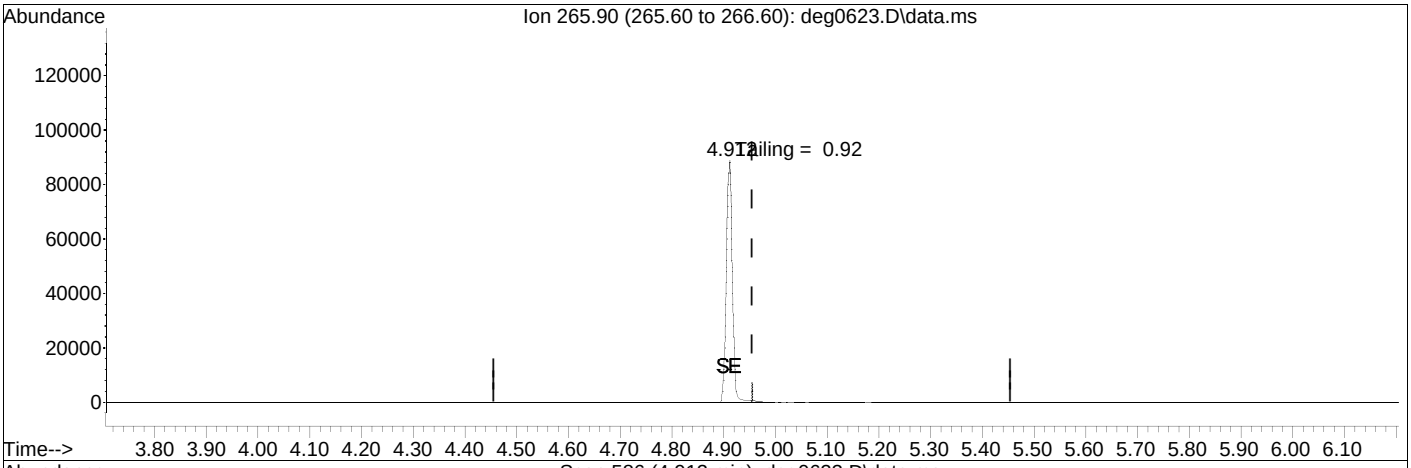
response 533358

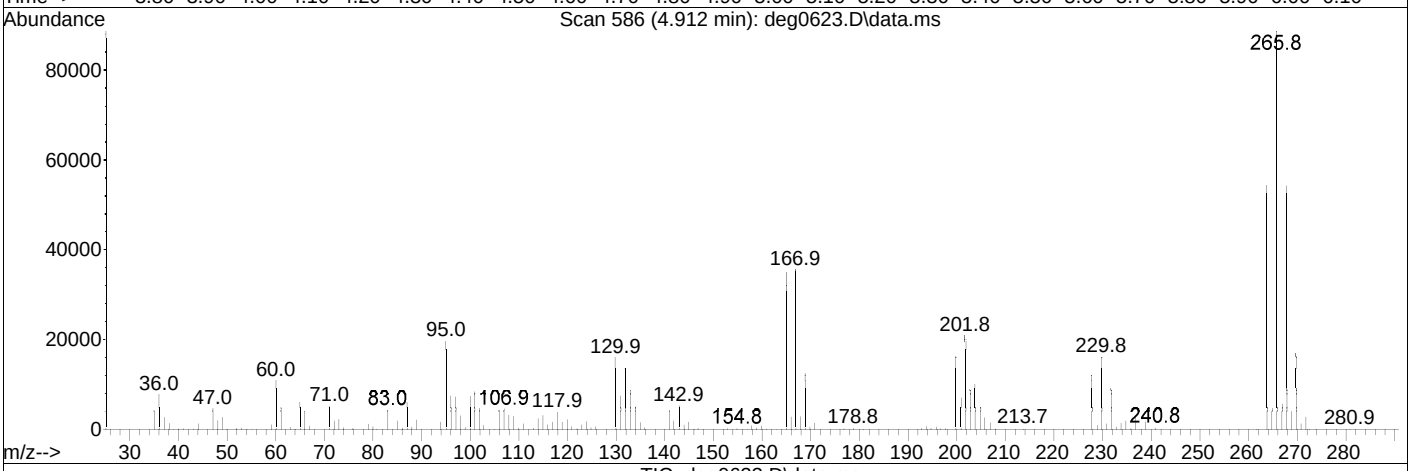
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : deg0623.D
Acq On : 23 Jun 2025 08:36 am
Operator : sv119:slr
Sample : WG2082224-5,32,,dftpp SV119 lot# 11649
Misc : WG2082224,,ical22394
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 23 08:52:48 2025
Quant Method : I:\8270SIM\sv119\250623RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0623.D\data.ms

(1) pentachlorophenol (T)

4.912min (-0.043) 32.90

response 69110

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/22/25 21:24		
Lab File ID	: CCV0622A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2082077-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	74	0
2-Fluorophenol	1.223	1.182	.01	3.4	20	71	0
Phenol-d6	1.466	1.402	.01	4.4	20	70	0
Bis(2-chloroethyl)ether	1.301	1.231	.01	5.4	20	72	0
n-nitrosodi-n-propylamine	0.835	0.823	.01	1.4	20	69	0
Hexachloroethane	0.544	0.561	.01	-3.1	20	76	0
Nitrobenzene-d5	1.197	1.207	.01	-0.8	20	71	0
Naphthalene-d8	1	1	.01	0	20	76	0
Naphthalene	1.137	1.107	.01	2.6	20	76	0
Hexachlorobutadiene	0.204	0.181	.01	11.3	20	67	0
2-Methylnaphthalene	0.707	0.697	.01	1.4	20	75	0
1-Methylnaphthalene	0.719	0.709	.01	1.4	20	75	0
2-Fluorobiphenyl	0.876	0.85	.01	3	20	77	0
2-Chloronaphthalene	0.765	0.753	.01	1.6	20	75	0
2,6-Dinitrotoluene	0.17	0.175	.01	-2.9	20	72	0
Acenaphthylene	1.17	1.261	.01	-7.8	20	77	0
Acenaphthene-d10	1	1	.01	0	20	73	0
Acenaphthene	1.424	1.461	.01	-2.6	20	76	0
2,4-Dinitrotoluene	0.411	0.452	.01	-10	20	72	0
Fluorene	1.566	1.644	.01	-5	20	76	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	67	0
Phenanthrene-d10	1	1	.01	0	20	69	0
4,6-Dinitro-o-cresol	1000	778.367	.01	22.2*	20	58	0
Hexachlorobenzene	0.265	0.268	.01	-1.1	20	71	0
Pentachlorophenol	1000	865.852	.01	13.4	20	57	0
Phenanthrene	1.211	1.248	.01	-3.1	20	73	0
Anthracene	1.202	1.299	.01	-8.1	20	74	0
Fluoranthene	1.379	1.445	.01	-4.8	20	72	0
Pyrene	1.427	1.489	.01	-4.3	20	71	0
4-Terphenyl-d14	0.929	0.851	.01	8.4	20	65	0
Chrysene-d12	1	1	.01	0	20	63	0
Benzo[a]anthracene	0.423	0.422	.01	0.2	20	65	0
3,3'-Dichlorobenzidine	0.534	0.631	.01	-18.2	20	69	0
Chrysene	1.38	1.468	.01	-6.4	20	67	0
Bis(2-ethylhexyl)phthalate	1000	1171.655	.01	-17.2	20	80	0
Perylene-d12	1	1	.01	0	20	65	0
Benzo[b]fluoranthene	1.316	1.436	.01	-9.1	20	69	0
Benzo[k]fluoranthene	1.252	1.441	.01	-15.1	20	69	0
Benzo[a]pyrene	1.095	1.337	.01	-22.1*	20	72	0
Indeno[1,2,3-cd]pyrene	0.971	1.293	.01	-33.2*	20	79	0
Dibenzo[a,h]anthracene	0.937	1.26	.01	-34.5*	20	77	0
Benzo[g,h,i]perylene	1.026	1.348	.01	-31.4*	20	79	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	79	0
N-Nitrosodimethylamine	0.662	0.707	.05	-6.8	20	86	0
2-Fluorophenol	1.123	1.213	.05	-8	20	86	0
Phenol-d6	1.459	1.497	.05	-2.6	20	84	0
Bis(2-chloroethyl)ether	1.177	1.131	.05	3.9	20	76	0
n-nitrosodi-n-propylamine	0.885	0.844	.05	4.6	20	76	0
Hexachloroethane	0.531	0.492	.05	7.3	20	74	0
Nitrobenzene-d5	1.203	1.123	.05	6.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	79	0
Naphthalene	1.048	0.983	.05	6.2	20	76	0
Hexachlorobutadiene	0.208	0.197	.05	5.3	20	77	0
2-Methylnaphthalene	0.695	0.653	.05	6	20	77	0
1-Methylnaphthalene	0.718	0.669	.05	6.8	20	76	0
2-Fluorobiphenyl	0.905	0.854	.05	5.6	20	77	0
2-Chloronaphthalene	0.779	0.718	.05	7.8	20	74	0
2,6-Dinitrotoluene	0.159	0.123	.05	22.6*	20	61	0
Acenaphthylene	1.296	1.207	.05	6.9	20	74	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.329	1.236	.05	7	20	75	0
2,4-Dinitrotoluene	0.353	0.271	.05	23.2*	20	59	0
Fluorene	1.589	1.485	.05	6.5	20	75	0
2,4,6-Tribromophenol	0.201	0.201	.05	0	20	79	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	633.76	.05	36.6*	20	51	0
Hexachlorobenzene	0.248	0.244	.05	1.6	20	80	0
Pentachlorophenol	1000	711.476	.05	28.9*	20	57	0
Phenanthrene	1.189	1.057	.05	11.1	20	75	0
Anthracene	1.16	1.095	.05	5.6	20	75	0
Fluoranthene	1.446	1.344	.05	7.1	20	76	0
Pyrene	1.492	1.393	.05	6.6	20	77	0
Benzidine	1000	762.729	.05	23.7*	20	55	0
4-Terphenyl-d14	0.899	0.971	.05	-8	20	87	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	902.792	.05	9.7	20	80	0
3,3'-Dichlorobenzidine	0.522	0.532	.05	-1.9	20	86	0
Chrysene	1.315	1.242	.05	5.6	20	84	0
Bis(2-ethylhexyl)phthalate	1000	800.486	.05	20	20	79	0
Perylene-d12	1	1	.05	0	20	97	0
Benzo[b]fluoranthene	1.206	1.1	.05	8.8	20	81	0
Benzo[k]fluoranthene	1.273	1.263	.05	0.8	20	89	0
Benzo[a]pyrene	1.097	1.07	.05	2.5	20	85	0
Indeno[1,2,3-cd]pyrene	1000	711.024	.05	28.9*	20	70	0
Dibenzo[a,h]anthracene	1000	835.379	.05	16.5	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1000	872.859	.05	12.7	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/25/25 21:28		
Lab File ID	: CCV0625N	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2083522-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	121	0
2-Fluorophenol	1.223	1.223	.01	0	20	120	0
Phenol-d6	1.466	1.492	.01	-1.8	20	122	0
Bis(2-chloroethyl)ether	1.301	1.173	.01	9.8	20	112	0
n-nitrosodi-n-propylamine	0.835	0.837	.01	-0.2	20	114	0
Hexachloroethane	0.544	0.533	.01	2	20	118	0
Nitrobenzene-d5	1.197	1.204	.01	-0.6	20	116	0
Naphthalene-d8	1	1	.01	0	20	123	0
Naphthalene	1.137	1.027	.01	9.7	20	115	0
Hexachlorobutadiene	0.204	0.177	.01	13.2	20	107	0
2-Methylnaphthalene	0.707	0.651	.01	7.9	20	114	0
1-Methylnaphthalene	0.719	0.654	.01	9	20	113	0
2-Fluorobiphenyl	0.876	0.796	.01	9.1	20	116	0
2-Chloronaphthalene	0.765	0.681	.01	11	20	110	0
2,6-Dinitrotoluene	0.17	0.158	.01	7.1	20	106	0
Acenaphthylene	1.17	1.137	.01	2.8	20	113	0
Acenaphthene-d10	1	1	.01	0	20	119	0
Acenaphthene	1.424	1.305	.01	8.4	20	111	0
2,4-Dinitrotoluene	0.411	0.407	.01	1	20	106	0
Fluorene	1.566	1.473	.01	5.9	20	111	0
2,4,6-Tribromophenol	0.185	0.191	.01	-3.2	20	106	0
Phenanthrene-d10	1	1	.01	0	20	112	0
4,6-Dinitro-o-cresol	1000	775.437	.01	22.5*	20	93	0
Hexachlorobenzene	0.265	0.234	.01	11.7	20	100	0
Pentachlorophenol	1000	710.056	.01	29*	20	75	0
Phenanthrene	1.211	1.117	.01	7.8	20	106	0
Anthracene	1.202	1.178	.01	2	20	108	0
Fluoranthene	1.379	1.267	.01	8.1	20	103	0
Pyrene	1.427	1.304	.01	8.6	20	101	0
4-Terphenyl-d14	0.929	0.815	.01	12.3	20	100	0
Chrysene-d12	1	1	.01	0	20	101	0
Benzo[a]anthracene	0.423	0.377	.01	10.9	20	94	0
3,3'-Dichlorobenzidine	0.534	0.553	.01	-3.6	20	97	0
Chrysene	1.38	1.297	.01	6	20	95	0
Bis(2-ethylhexyl)phthalate	1000	1105.396	.01	-10.5	20	121	0
Perylene-d12	1	1	.01	0	20	106	0
Benzo[b]fluoranthene	1.316	1.215	.01	7.7	20	96	0
Benzo[k]fluoranthene	1.252	1.313	.01	-4.9	20	104	0
Benzo[a]pyrene	1.095	1.184	.01	-8.1	20	105	0
Indeno[1,2,3-cd]pyrene	0.971	1.183	.01	-21.8*	20	118	0
Dibenzo[a,h]anthracene	0.937	1.18	.01	-25.9*	20	118	0
Benzo[g,h,i]perylene	1.026	1.249	.01	-21.7*	20	119	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	157	0
N-Nitrosodimethylamine	0.665	0.662	.05	0.5	20	147	-.02
2-Fluorophenol	1.016	0.984	.05	3.1	20	140	0
Phenol-d6	1.207	1.17	.05	3.1	20	143	0
Bis(2-chloroethyl)ether	1.141	1.082	.05	5.2	20	143	0
Hexachloroethane	0.531	0.494	.05	7	20	149	0
n-nitrosodi-n-propylamine	0.803	0.745	.05	7.2	20	144	0
Nitrobenzene-d5	0.97	1.115	.05	-14.9	20	169	0
Naphthalene-d8	1	1	.05	0	20	151	0
Naphthalene	1.109	1.041	.05	6.1	20	143	0
Hexachlorobutadiene	0.236	0.231	.05	2.1	20	149	0
2-Methylnaphthalene	0.658	0.607	.05	7.8	20	140	0
1-Methylnaphthalene	0.684	0.643	.05	6	20	139	0
2-Fluorobiphenyl	0.902	0.853	.05	5.4	20	137	0
2-Chloronaphthalene	0.783	0.728	.05	7	20	139	0
Acenaphthylene	1.174	1.091	.05	7.1	20	132	0
2,6-Dinitrotoluene	0.137	0.146	.05	-6.6	20	157	0
Acenaphthene-d10	1	1	.05	0	20	140	0
Acenaphthene	1.316	1.263	.05	4	20	137	0
2,4-Dinitrotoluene	0.271	0.345	.05	-27.3*	20	176	0
Fluorene	1.471	1.389	.05	5.6	20	134	0
2,4,6-Tribromophenol	0.198	0.206	.05	-4	20	138	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	1391.121	.05	-39.1*	20	186	0
Hexachlorobenzene	0.264	0.253	.05	4.2	20	130	0
Pentachlorophenol	1000	775.573	.05	22.4*	20	98	0
Phenanthrene	1.18	1.145	.05	3	20	132	0
Anthracene	1.096	1.056	.05	3.6	20	127	0
Fluoranthene	1.302	1.23	.05	5.5	20	127	0
Benzidine	1000	819.932	.05	18	20	101	0
Pyrene	1.382	1.297	.05	6.2	20	125	0
4-Terphenyl-d14	0.994	0.851	.05	14.4	20	118	0
Chrysene-d12	1	1	.05	0	20	124	0
Benzo[a]anthracene	1000	925.257	.05	7.5	20	111	0
3,3'-Dichlorobenzidine	0.455	0.46	.05	-1.1	20	124	0
Chrysene	1.386	1.333	.05	3.8	20	121	0
Bis(2-ethylhexyl)phthalate	1000	1043.785	.05	-4.4	20	127	0
Perylene-d12	1	1	.05	0	20	123	0
Benzo[b]fluoranthene	1.152	1.076	.05	6.6	20	113	0
Benzo[k]fluoranthene	0.995	1.049	.05	-5.4	20	115	0
Benzo[a]pyrene	0.933	0.969	.05	-3.9	20	115	0
Indeno[1,2,3-cd]pyrene	1.044	1.033	.05	1.1	20	117	0
Dibenzo[a,h]anthracene	0.95	1.07	.05	-12.6	20	121	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.057	1.034	.05	2.2	20	118	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : ccv0625n.D
Acq On : 25 Jun 2025 09:28 pm
Operator : SV118:slr
Sample : WG2083522-3,32,,ICV 11275 (0622a)
Misc : WG2083522,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 25 21:41:03 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	121	0.00
2	T	N-Nitrosodimethylamine	0.000	0.670	0.0	0#	0.00
3	s	2-Fluorophenol	1.223	1.223	0.0	120	0.00
4	s	Phenol-d6	1.466	1.492	-1.8	122	0.00
5	T	Bis(2-chloroethyl)ether	1.301	1.173	9.8	112	0.00
6	T	n-nitrosodi-n-propylamine	0.835	0.837	-0.2	114	0.00
7	t	Hexachloroethane	0.544	0.533	2.0	118	0.00
8	s	Nitrobenzene-d5	1.197	1.204	-0.6	116	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	123	0.00
10	t	Naphthalene	1.137	1.027	9.7	115	0.00
11	t	Hexachlorobutadiene	0.204	0.177	13.2	107	0.00
12	t	2-Methylnaphthalene	0.707	0.651	7.9	114	0.00
13	t	1-Methylnaphthalene	0.719	0.654	9.0	113	0.00
14	s	2-Fluorobiphenyl	0.876	0.796	9.1	116	0.00
15	t	2-Chloronaphthalene	0.765	0.681	11.0	110	0.00
16	t	2,6-Dinitrotoluene	0.170	0.158	7.1	106	0.00
17	t	Acenaphthylene	1.170	1.137	2.8	113	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	119	0.00
19	t	Acenaphthene	1.424	1.305	8.4	111	0.00
20	t	2,4-Dinitrotoluene	0.411	0.407	1.0	106	0.00
21	t	Fluorene	1.566	1.473	5.9	111	0.00
22	s	2,4,6-Tribromophenol	0.185	0.191	-3.2	106	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	112	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	775.437	22.5#	93	0.00
25	t	Hexachlorobenzene	0.265	0.234	11.7	100	0.00
26	t	Pentachlorophenol	*1000.000	710.056	29.0#	75	0.00
27	t	Phenanthrene	1.211	1.117	7.8	106	0.00
28	t	Anthracene	1.202	1.178	2.0	108	0.00
29	t	Fluoranthene	1.379	1.267	8.1	103	0.00
30	t	Pyrene	1.427	1.304	8.6	101	0.00
31	T	Benzidine	0.000	0.456	0.0	0#	0.00
32	s	4-Terphenyl-d14	0.929	0.815	12.3	100	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	101	0.00
34	t	Benzo[a]anthracene	0.423	0.377	10.9	94	0.00
35	t	3,3'-Dichlorobenzidine	0.534	0.553	-3.6	97	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : ccv0625n.D
Acq On : 25 Jun 2025 09:28 pm
Operator : SV118:slr
Sample : WG2083522-3,32,,ICV 11275 (0622a)
Misc : WG2083522,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 25 21:41:03 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Min. RRF : 0.010 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.380	1.297	6.0	95	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	1105.396	-10.5	121	0.00
38	i	Perylene-d12	1.000	1.000	0.0	106	0.00
39	t	Benzo[b]fluoranthene	1.316	1.215	7.7	96	0.00
40	t	Benzo[k]fluoranthene	1.252	1.313	-4.9	104	0.00
41	t	Benzo[a]pyrene	1.095	1.184	-8.1	105	0.00
42	t	Indeno[1,2,3-cd]pyrene	0.971	1.183	-21.8#	118	0.00
43	t	Dibenzo[a,h]anthracene	0.937	1.180	-25.9#	118	0.00
44	t	Benzo[g,h,i]perylene	1.026	1.249	-21.7#	119	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : ccv0625n.D
Acq On : 25 Jun 2025 09:28 pm
Operator : SV118:slr
Sample : WG2083522-3,32,,ICV 11275 (0622a)
Misc : WG2083522,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 25 21:41:03 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.094	152	573643	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.761	136	2158502	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.740	164	1171418	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.583	188	2213422	4000.000	ng/ml	0.00
33) Chrysene-d12	6.100	240	1891454	4000.000	ng/ml	0.00
38) Perylene-d12	7.214	264	1961557	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.507	112	175328	999.520	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 49.98%			
4) Phenol-d6	1.915	99	213914	1017.771	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 50.89%			
8) Nitrobenzene-d5	2.379	82	172684	1006.153	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.62%			
14) 2-Fluorobiphenyl	3.363	172	429472	908.639	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 90.86%			
22) 2,4,6-Tribromophenol	4.188	330	55932	1032.183	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.61%			
32) 4-Terphenyl-d14	5.499	244	450755	876.634	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 87.66%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.073	74	96100	No Calib #		
5) Bis(2-chloroethyl)ether	1.964	93	168260	901.616	ng/ml	98
6) n-nitrosodi-n-propylamine	2.300	70	119995	1002.628	ng/ml	99
7) Hexachloroethane	2.352	117	76427	979.054	ng/ml	94
10) Naphthalene	2.772	128	554367	903.846	ng/ml	100
11) Hexachlorobutadiene	2.846	225	95335	868.039	ng/ml	100
12) 2-Methylnaphthalene	3.155	142	351339	920.594	ng/ml	99
13) 1-Methylnaphthalene	3.209	142	353075	910.271	ng/ml	99
15) 2-Chloronaphthalene	3.424	162	367501	890.002	ng/ml	98
16) 2,6-Dinitrotoluene	3.627	165	85422	928.494	ng/ml	98
17) Acenaphthylene	3.658	152	613487	971.640	ng/ml	100
19) Acenaphthene	3.758	153	382045	916.147	ng/ml	99
20) 2,4-Dinitrotoluene	3.856	165	119145	989.563	ng/ml	96
21) Fluorene	4.051	166	431510	941.151	ng/ml	99
24) 4,6-Dinitro-o-cresol	4.087	198	53842	775.437	ng/ml	96
25) Hexachlorobenzene	4.368	284	129306	882.060	ng/ml	95
26) Pentachlorophenol	4.482	266	52043	710.056	ng/ml	100
27) Phenanthrene	4.594	178	618029	922.229	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : ccv0625n.D
Acq On : 25 Jun 2025 09:28 pm
Operator : SV118:slr
Sample : WG2083522-3,32,,ICV 11275 (0622a)
Misc : WG2083522,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 25 21:41:03 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	4.622	178	651602	979.625	ng/ml	100
29) Fluoranthene	5.272	202	700877	918.295	ng/ml	96
30) Pyrene	5.399	202	721387	913.305	ng/ml	100
31) Benzidine	5.356	184	252590	No Calib	#	
34) Benzo[a]anthracene	6.093	226	178123	891.255	ng/ml#	100
35) 3,3'-Dichlorobenzidine	6.085	252	261509	1035.012	ng/ml#	98
36) Chrysene	6.115	228	613155	939.605	ng/ml#	100
37) Bis(2-ethylhexyl)phtha...	6.133	149	497082	1105.396	ng/ml	100
39) Benzo[b]fluoranthene	6.869	252	595602	922.795	ng/ml	98
40) Benzo[k]fluoranthene	6.891	252	643656	1048.099	ng/ml	98
41) Benzo[a]pyrene	7.155	252	580457	1080.776	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	8.351	276	580118	1218.531	ng/ml#	89
43) Dibenzo[a,h]anthracene	8.386	278	578710M6	1259.123	ng/ml	
44) Benzo[g,h,i]perylene	8.665	276	612645	1217.852	ng/ml#	88

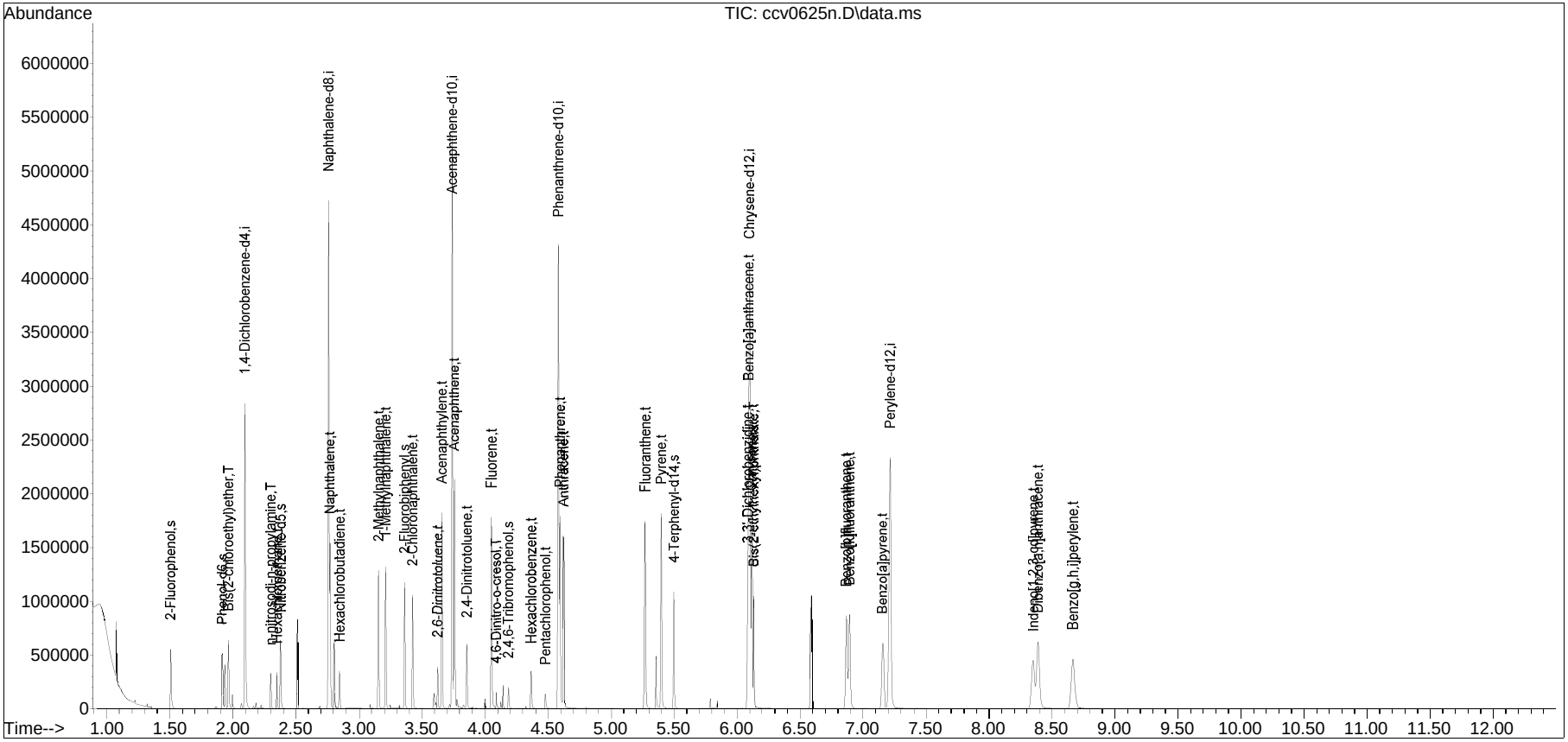
(#) = qualifier out of range (m) = manual integration (+) = signals summed

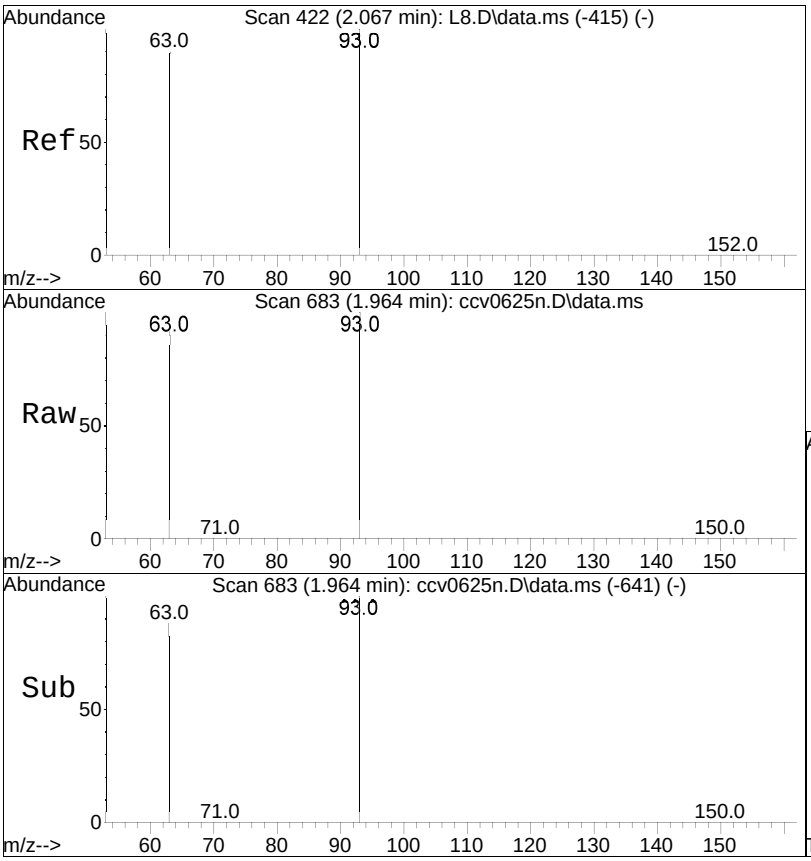
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : ccv0625n.D
Acq On : 25 Jun 2025 09:28 pm
Operator : SV118:slr
Sample : WG2083522-3,32,,ICV 11275 (0622a)
Misc : WG2083522,,ical21963
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 25 21:41:03 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\SIM-RVT_250203sv118.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 10:18:17 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

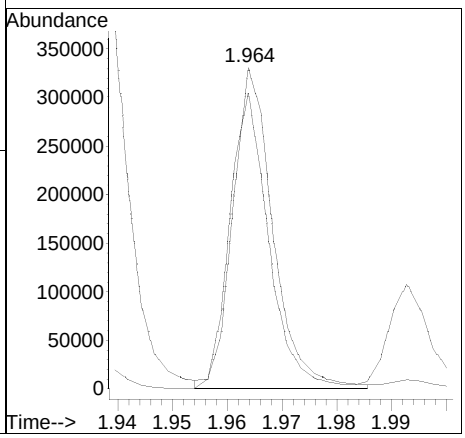


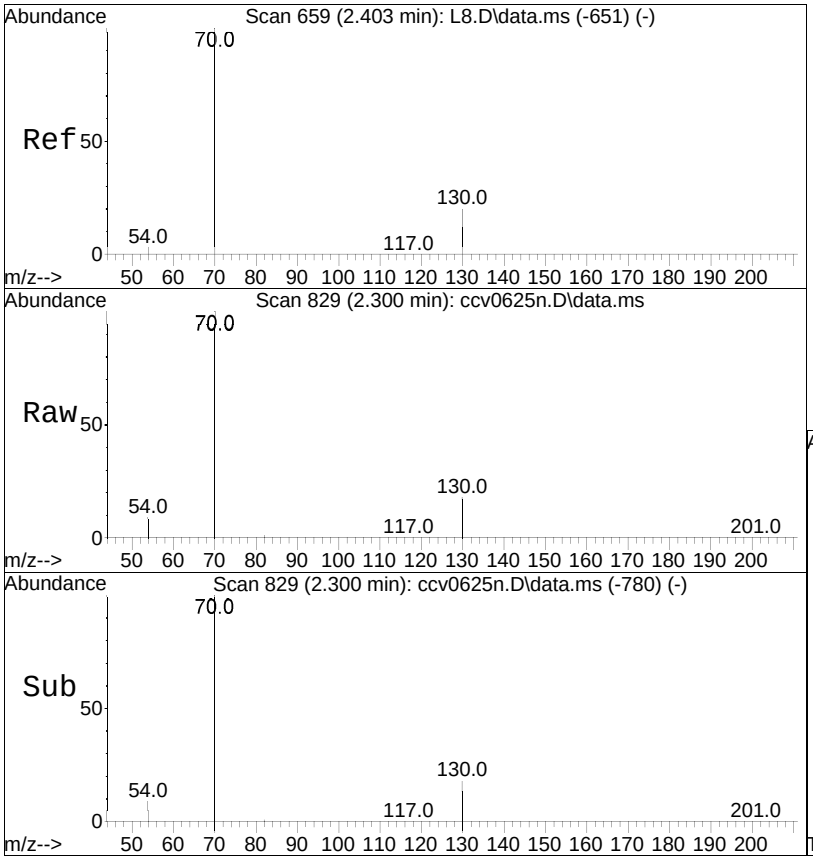


#5
Bis(2-chloroethyl)ether
Concen: 901.62 ng/ml
RT: 1.964 min Scan# 683
Delta R.T. 0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion: 93 Resp: 168260

Ion	Ratio	Lower	Upper
93	100		
63	89.6	70.2	105.4

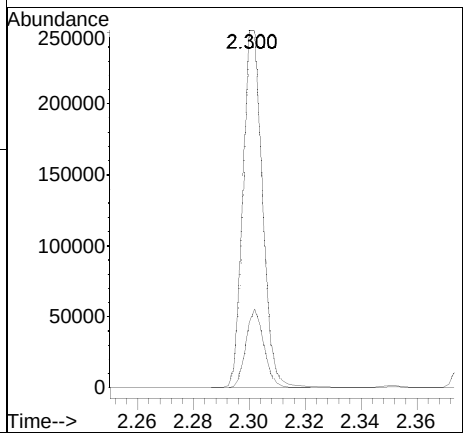


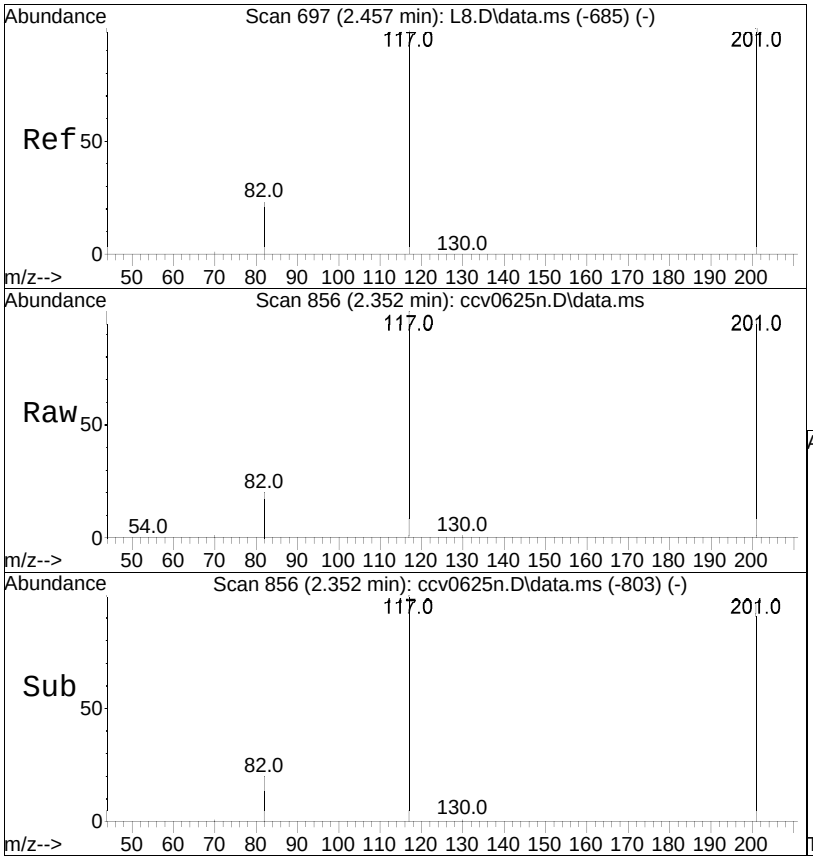


#6
n-nitrosodi-n-propylamine
Concen: 1002.63 ng/ml
RT: 2.300 min Scan# 829
Delta R.T. 0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion: 70 Resp: 119995

Ion	Ratio	Lower	Upper
70	100		
130	20.8	16.2	24.4

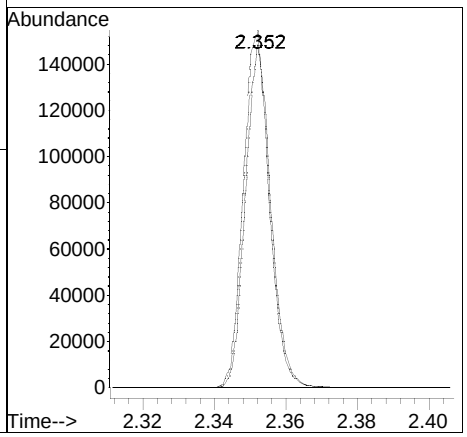


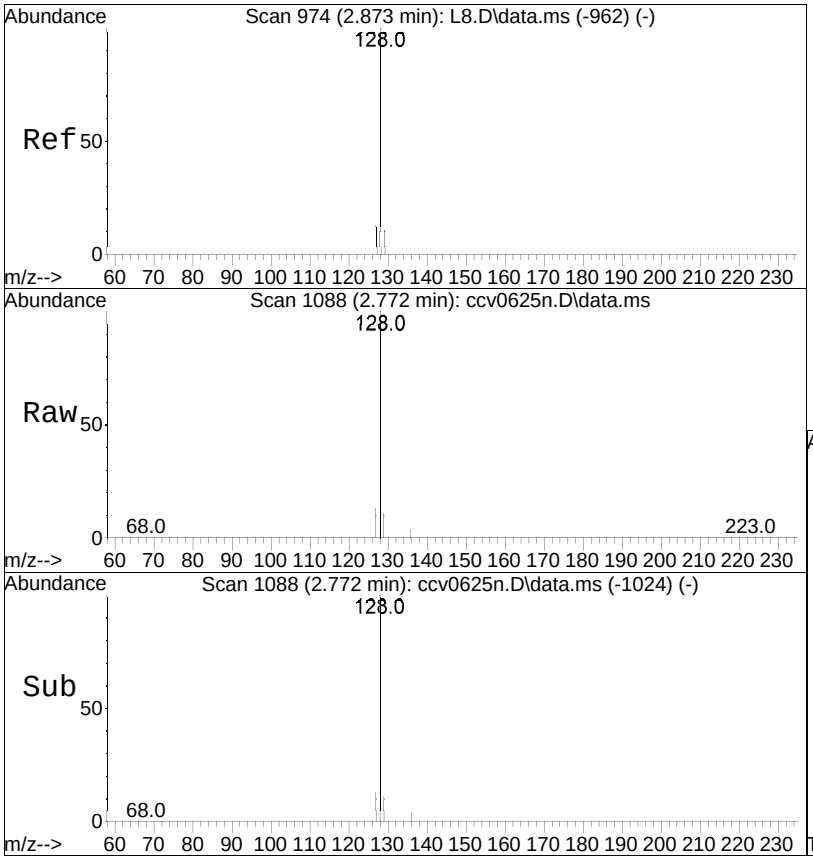


#7
Hexachloroethane
Concen: 979.05 ng/ml
RT: 2.352 min Scan# 856
Delta R.T. 0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:117 Resp: 76427

Ion	Ratio	Lower	Upper
117	100		
201	95.0	80.5	120.7

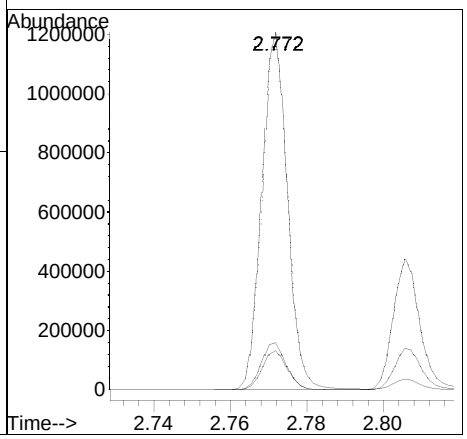


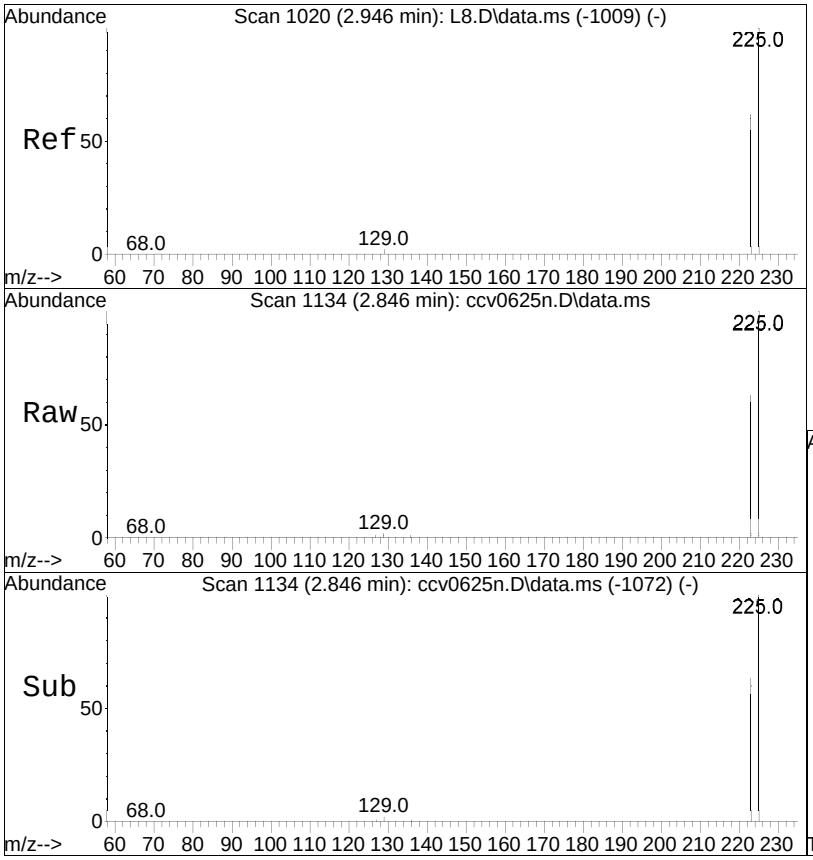


#10
Naphthalene
Concen: 903.85 ng/ml
RT: 2.772 min Scan# 1088
Delta R.T. 0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:128 Resp: 554367

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.9	13.3
127	13.2	10.6	15.8

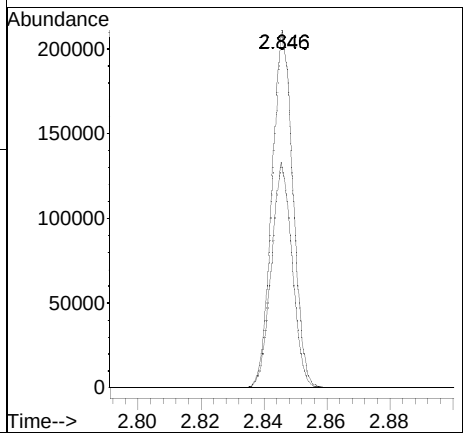


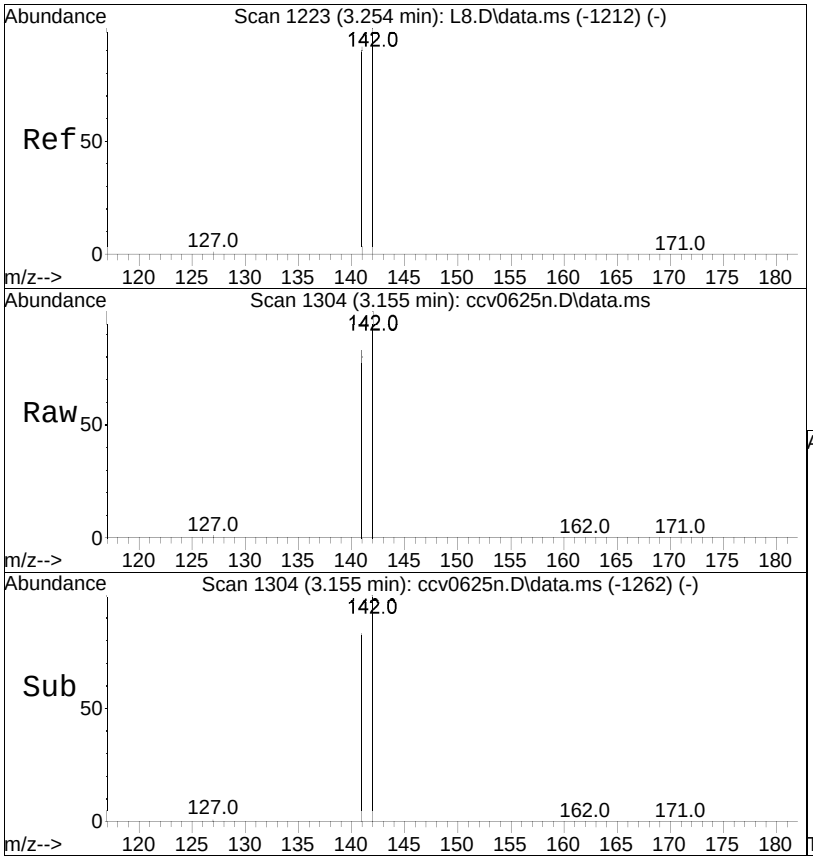


#11
Hexachlorobutadiene
Concen: 868.04 ng/ml
RT: 2.846 min Scan# 1134
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:225 Resp: 95335

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.2

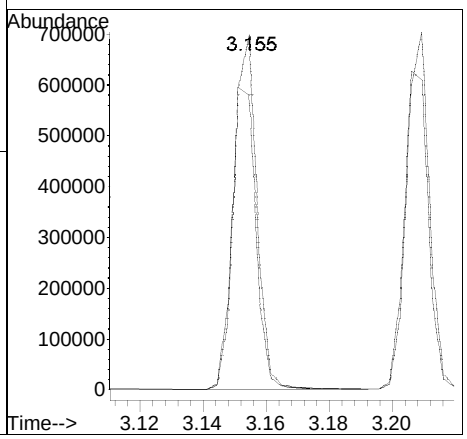


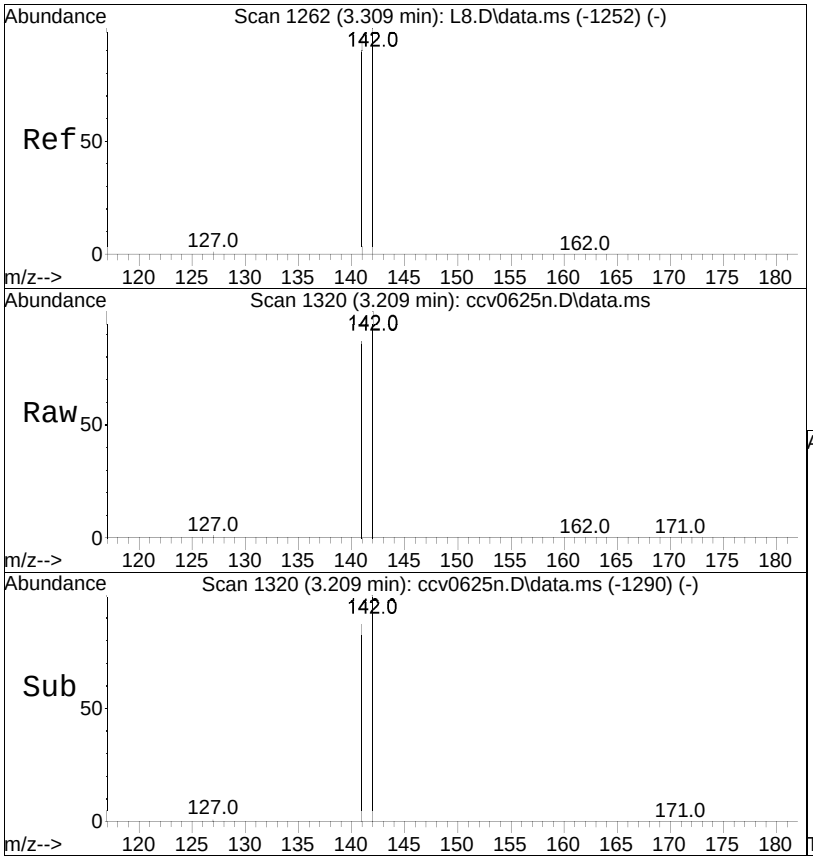


#12
2-Methylnaphthalene
Concen: 920.59 ng/ml
RT: 3.155 min Scan# 1304
Delta R.T. 0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:142 Resp: 351339

Ion	Ratio	Lower	Upper
142	100		
141	90.9	73.4	110.2

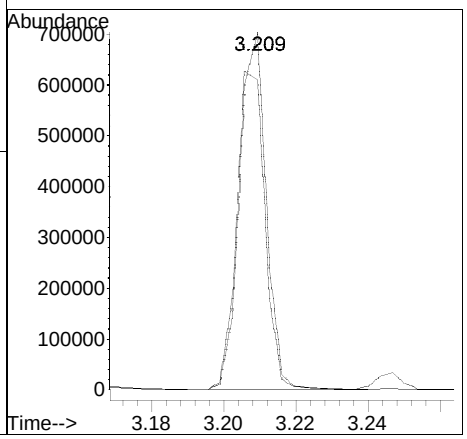


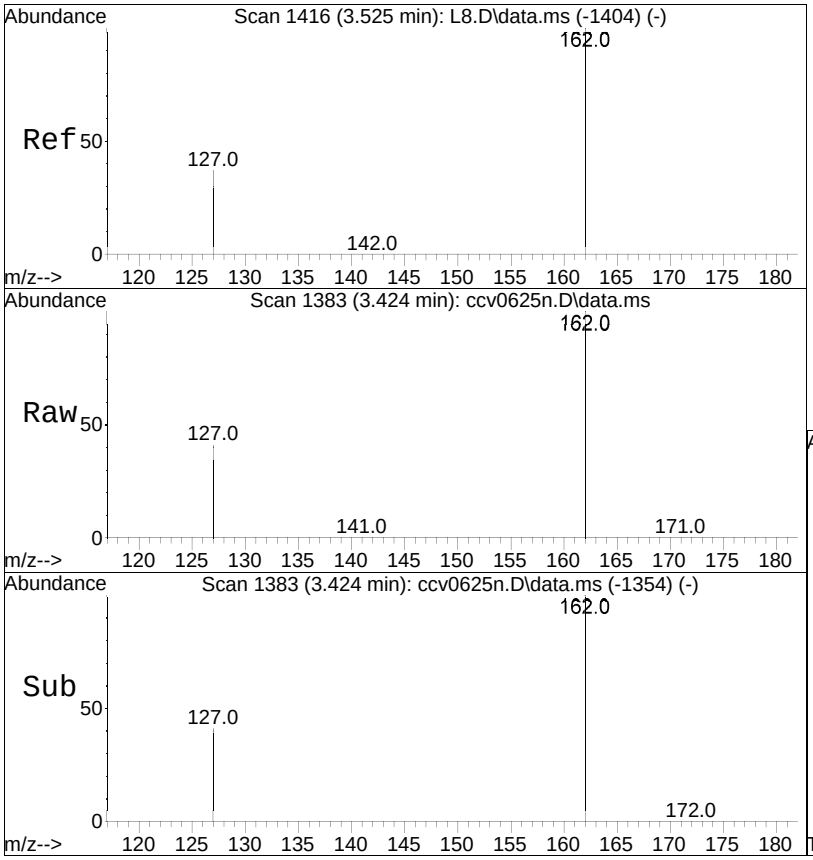


#13
1-Methylnaphthalene
Concen: 910.27 ng/ml
RT: 3.209 min Scan# 1320
Delta R.T. 0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:142 Resp: 353075

Ion	Ratio	Lower	Upper
142	100		
141	94.4	76.0	114.0

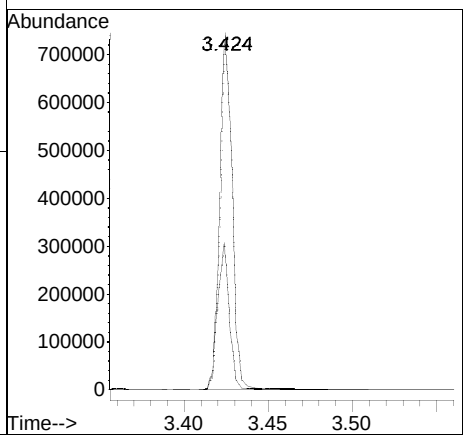


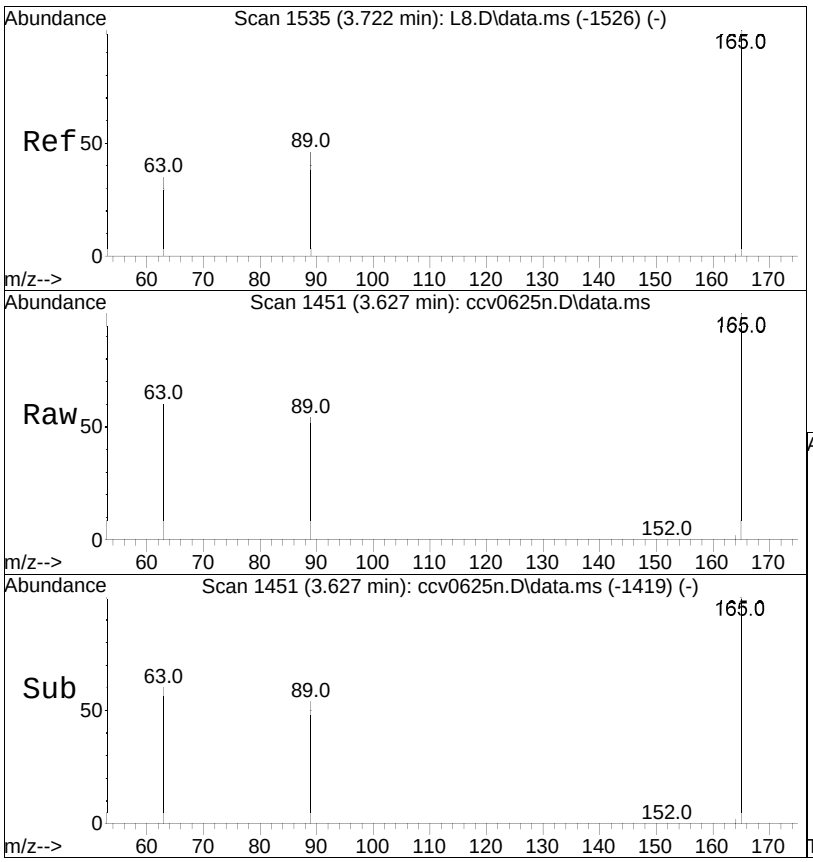


#15
2-Chloronaphthalene
Concen: 890.00 ng/ml
RT: 3.424 min Scan# 1383
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:162 Resp: 367501

Ion	Ratio	Lower	Upper
162	100		
127	40.2	31.0	46.6

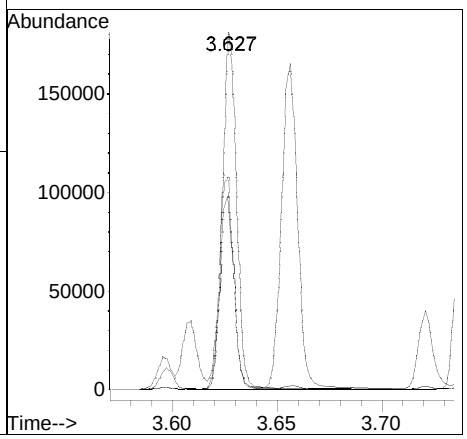


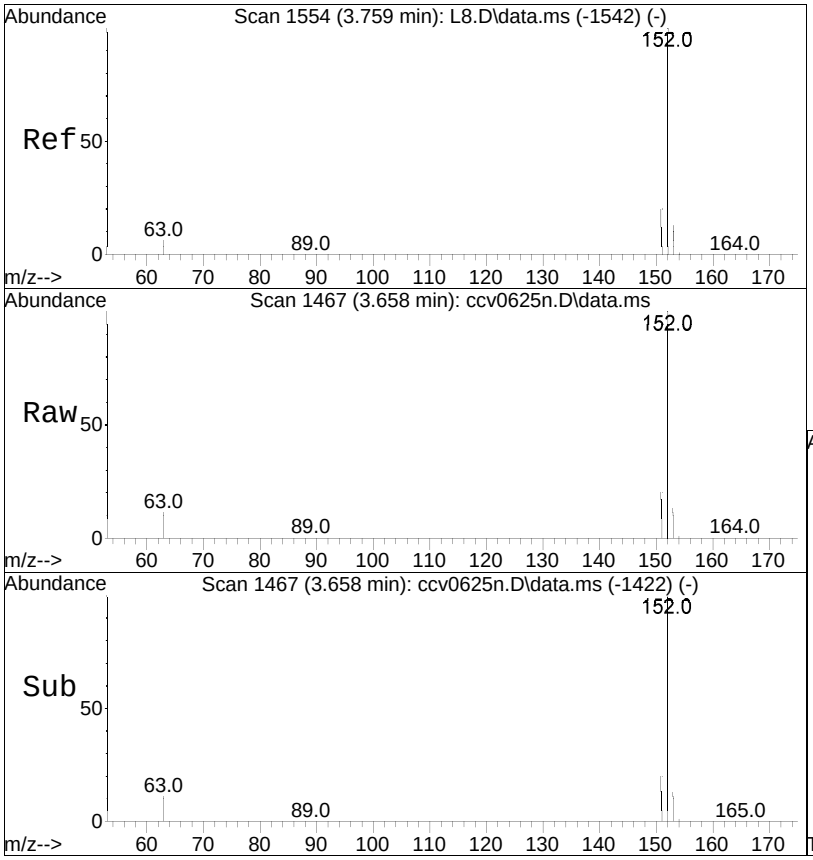


#16
2,6-Dinitrotoluene
Concen: 928.49 ng/ml
RT: 3.627 min Scan# 1451
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:165 Resp: 85422

Ion	Ratio	Lower	Upper
165	100		
89	54.2	43.2	64.8
63	60.5	46.4	69.6

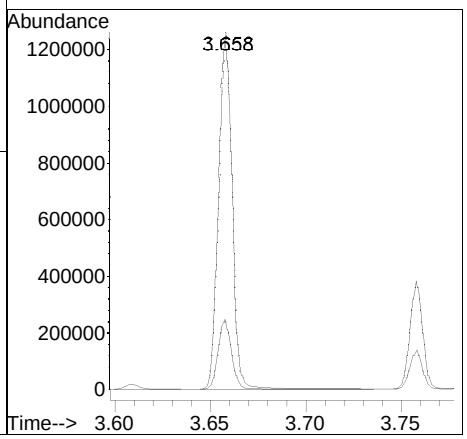


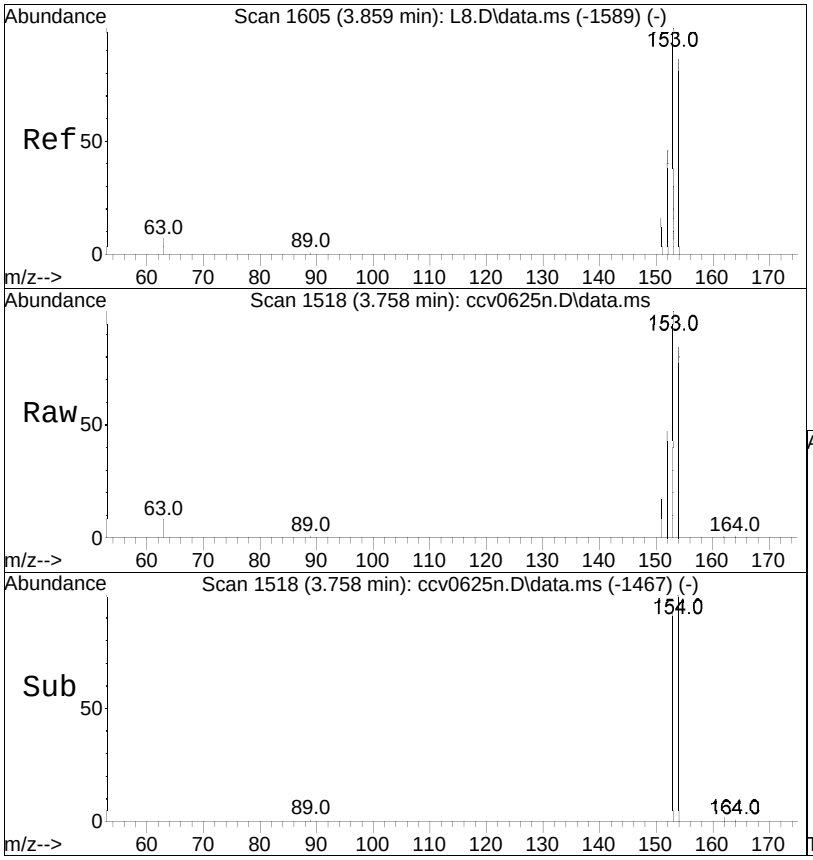


#17
Acenaphthylene
Concen: 971.64 ng/ml
RT: 3.658 min Scan# 1467
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:152 Resp: 613487

Ion	Ratio	Lower	Upper
152	100		
151	19.8	16.0	24.0

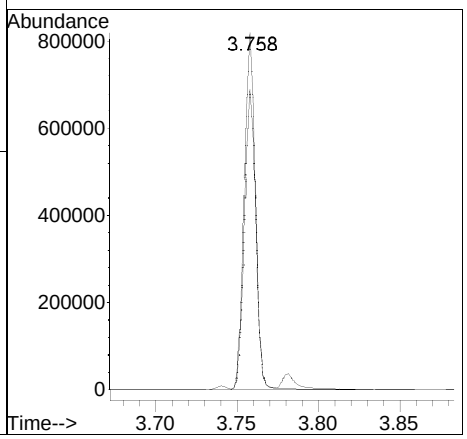


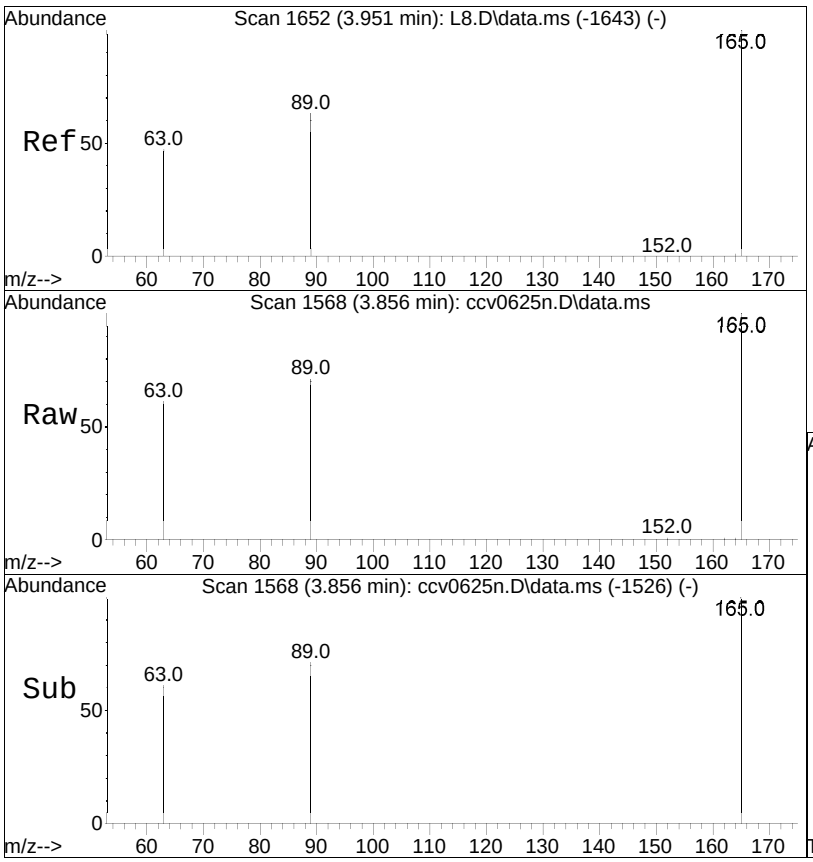


#19
Acenaphthene
Concen: 916.15 ng/ml
RT: 3.758 min Scan# 1518
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:153 Resp: 382045

Ion	Ratio	Lower	Upper
153	100		
154	83.7	67.9	101.9

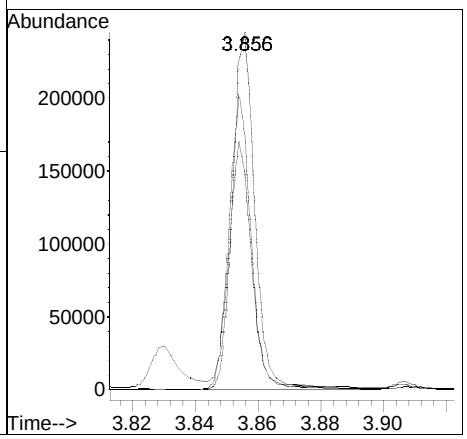


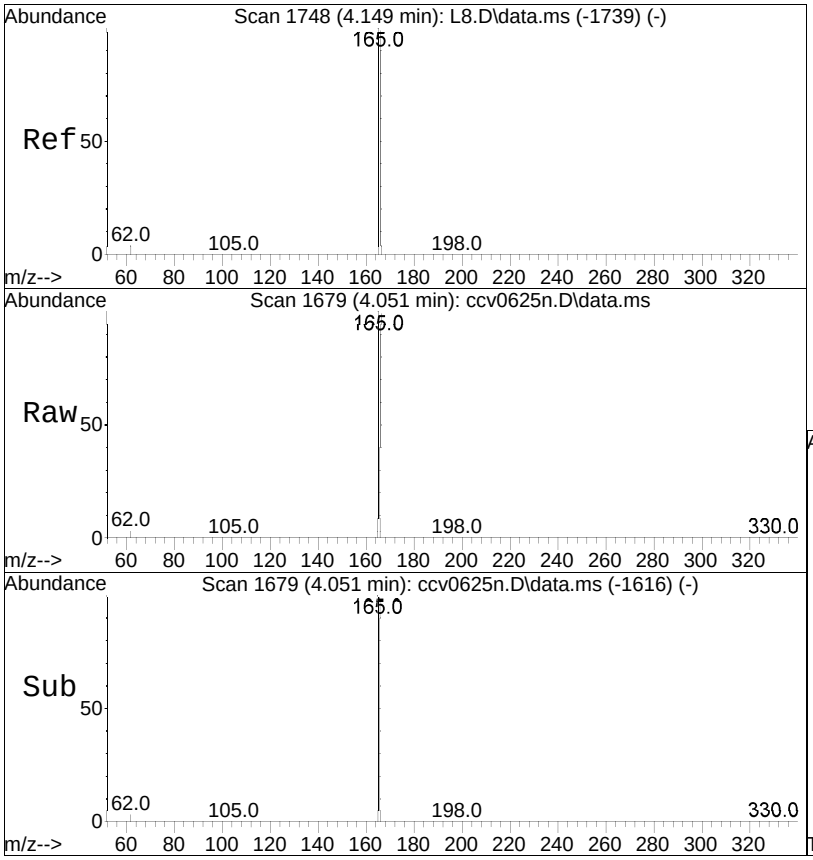


#20
2,4-Dinitrotoluene
Concen: 989.56 ng/ml
RT: 3.856 min Scan# 1568
Delta R.T. 0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:165 Resp: 119145

Ion	Ratio	Lower	Upper
165	100		
89	82.0	63.9	95.9
63	70.7	53.0	79.6

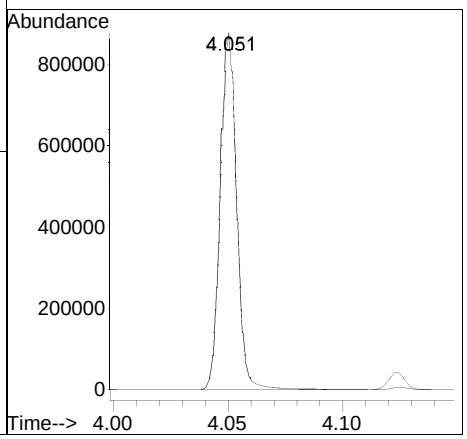


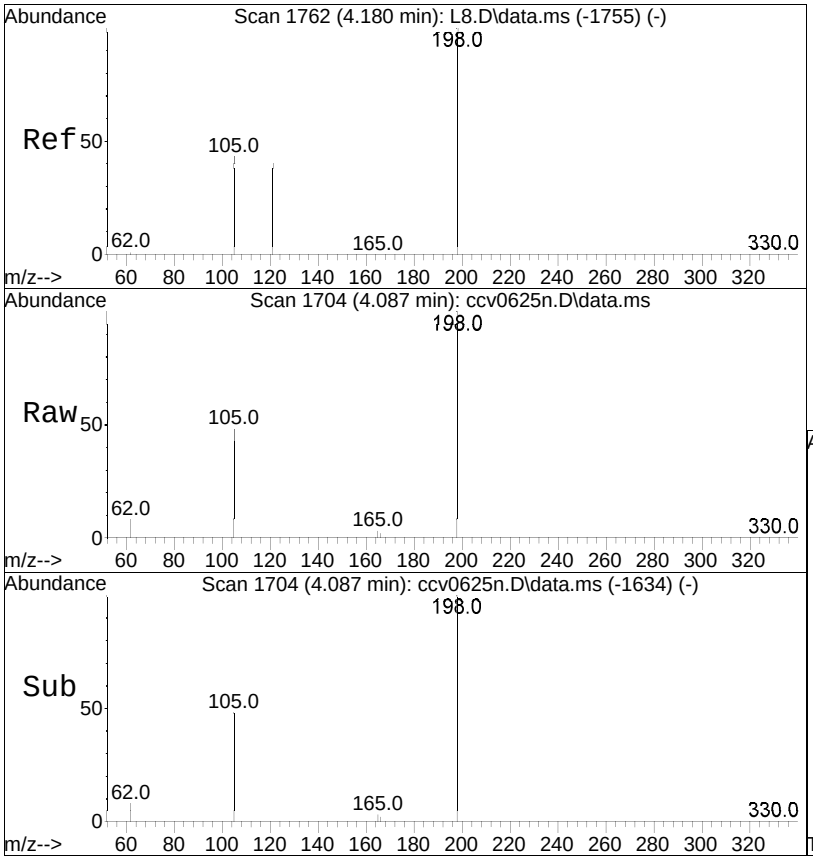


#21
Fluorene
Concen: 941.15 ng/ml
RT: 4.051 min Scan# 1679
Delta R.T. 0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:166 Resp: 431510

Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.3	121.9

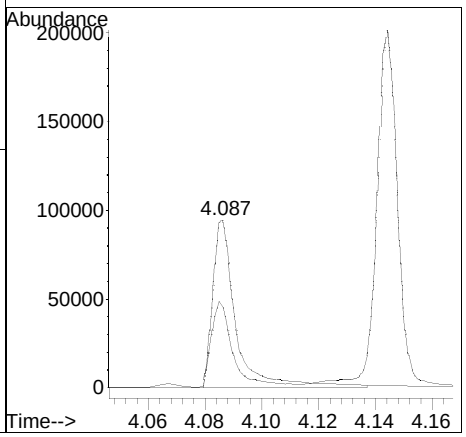


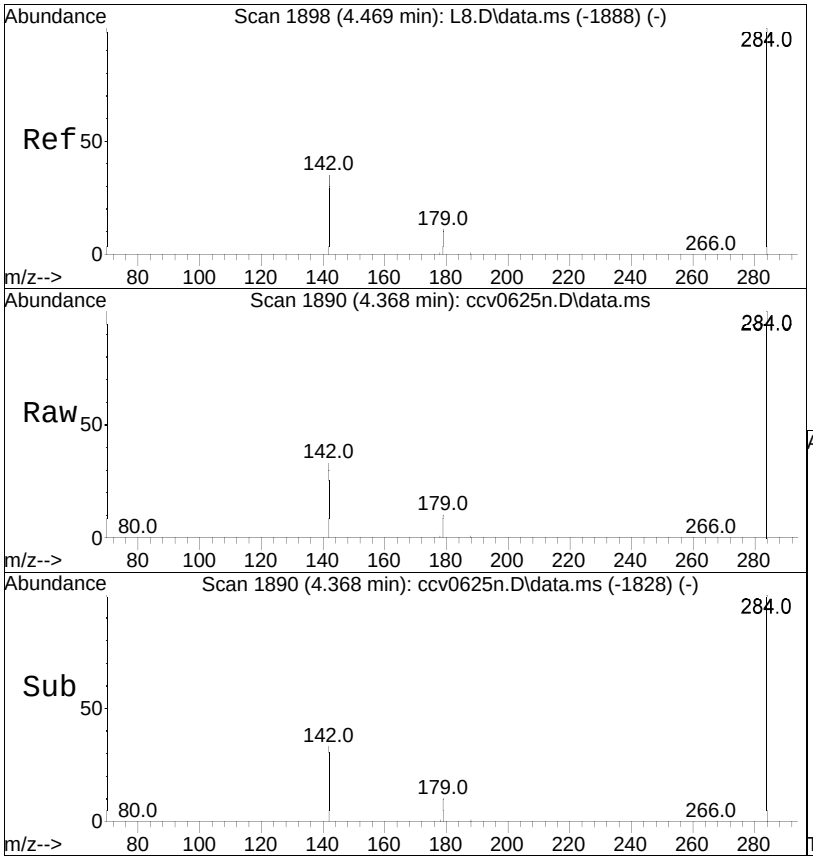


#24
4,6-Dinitro-o-cresol
Concen: 775.44 ng/ml
RT: 4.087 min Scan# 1704
Delta R.T. 0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:198 Resp: 53842

Ion	Ratio	Lower	Upper
198	100		
105	47.1	35.5	53.3

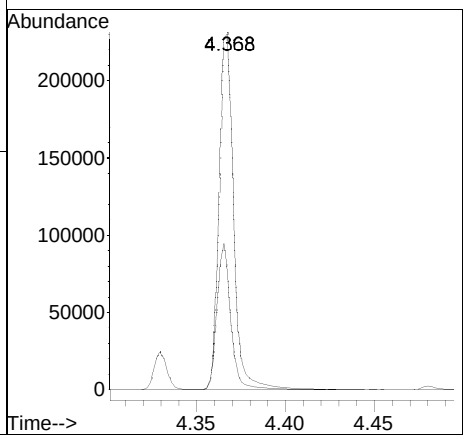


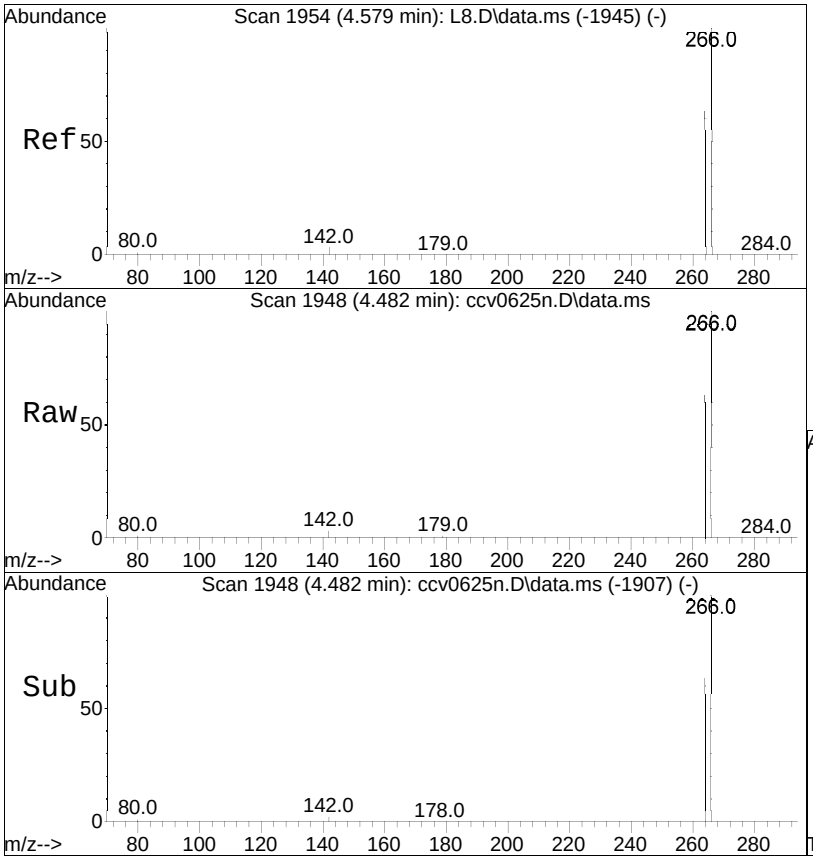


#25
Hexachlorobenzene
Concen: 882.06 ng/ml
RT: 4.368 min Scan# 1890
Delta R.T. 0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:284 Resp: 129306

Ion	Ratio	Lower	Upper
284	100		
142	39.3	29.0	43.4

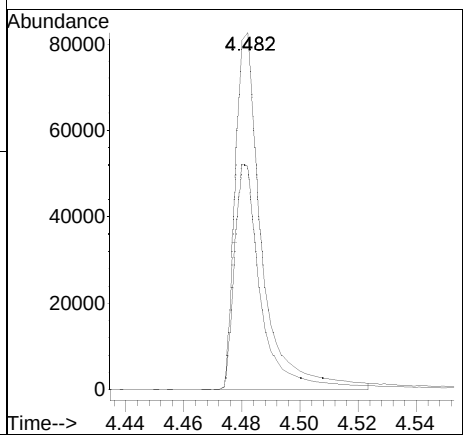


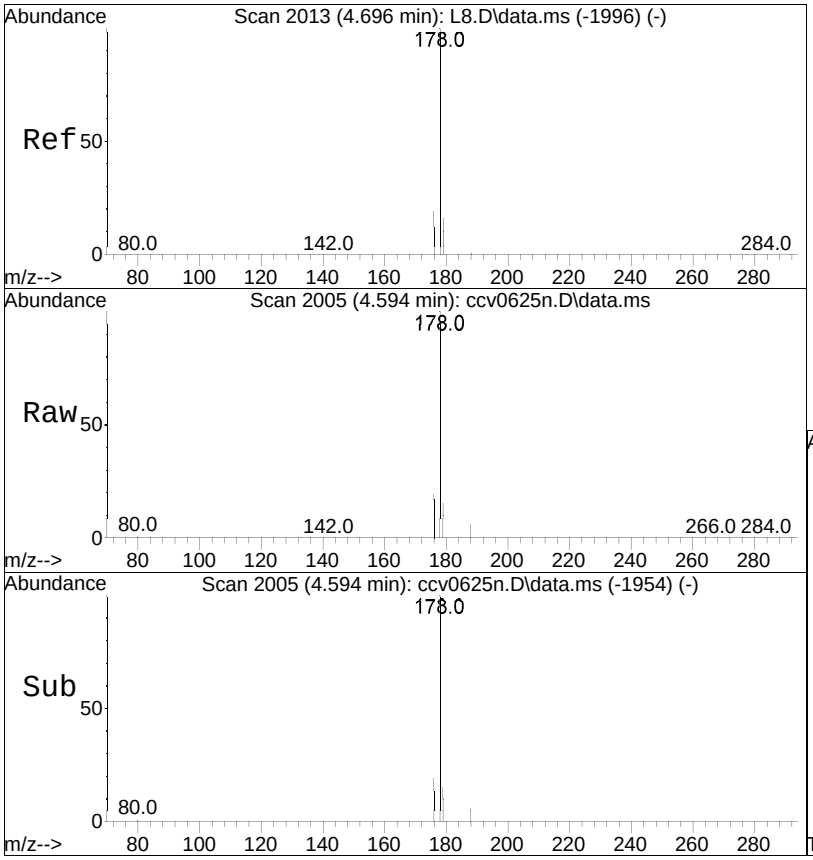


#26
Pentachlorophenol
Concen: 710.06 ng/ml
RT: 4.482 min Scan# 1948
Delta R.T. 0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:266 Resp: 52043

Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.3	75.5

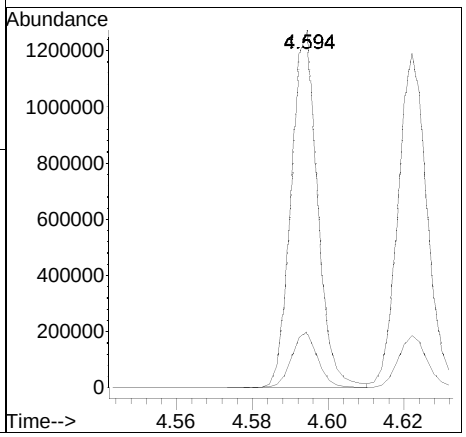


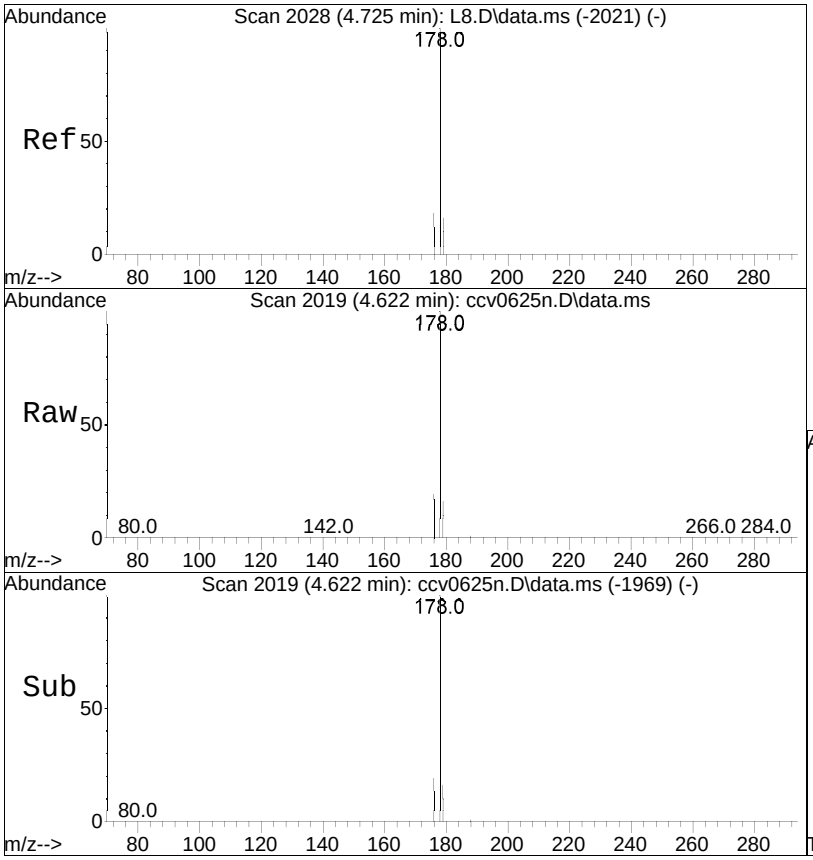


#27
Phenanthrene
Concen: 922.23 ng/ml
RT: 4.594 min Scan# 2005
Delta R.T. 0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:178 Resp: 618029

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.6	18.8

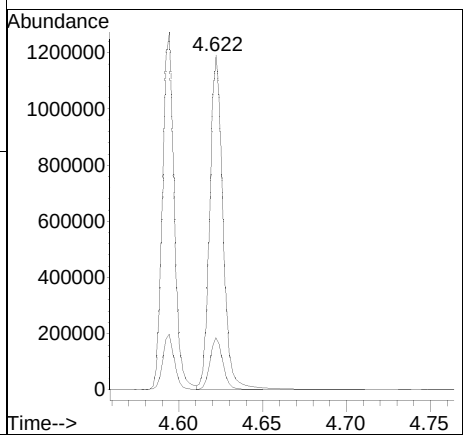


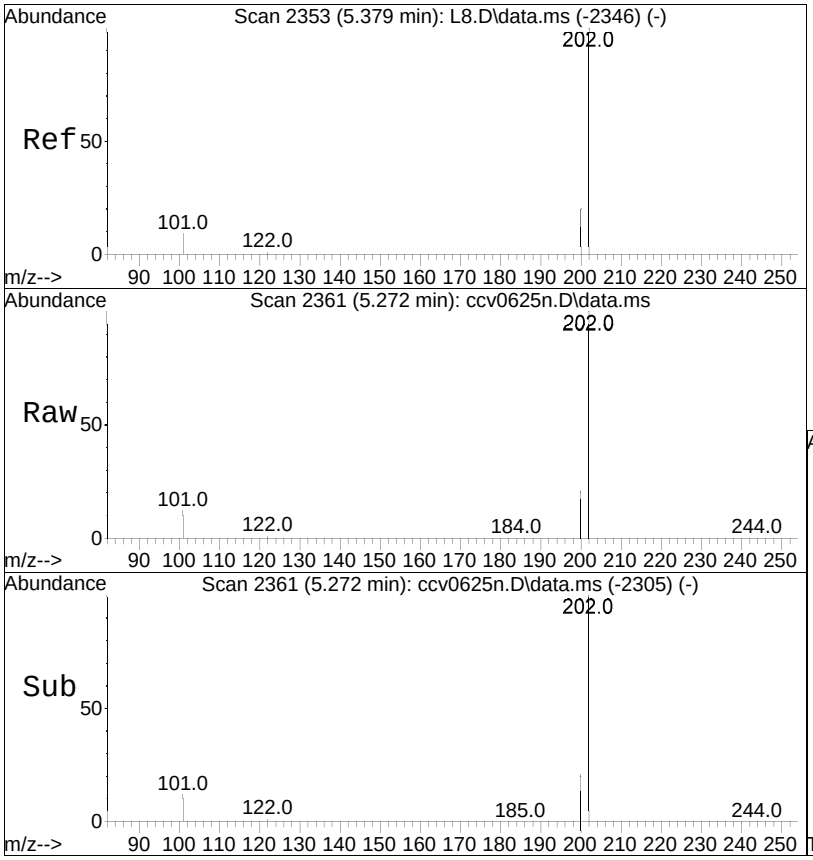


#28
Anthracene
Concen: 979.62 ng/ml
RT: 4.622 min Scan# 2019
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:178 Resp: 651602

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6

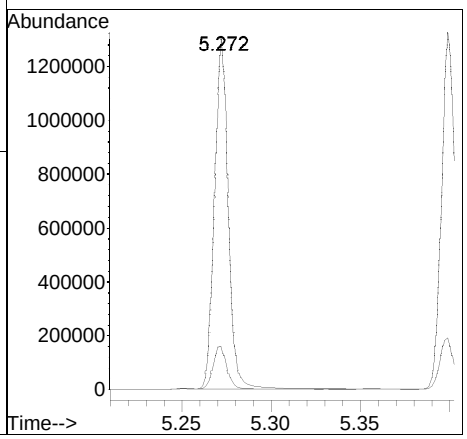


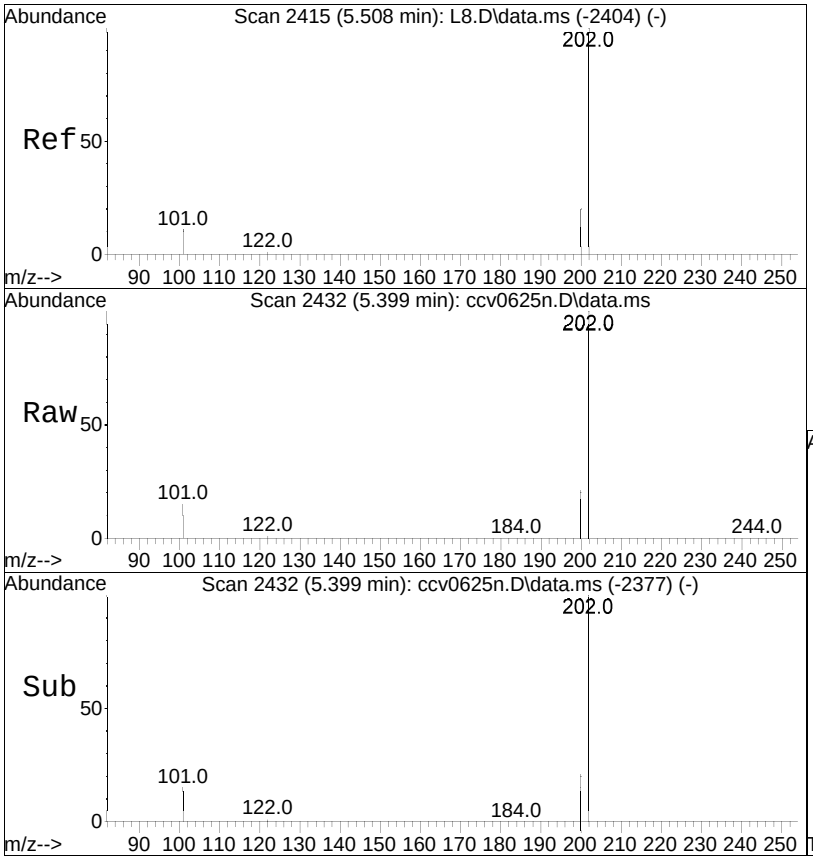


#29
Fluoranthene
Concen: 918.30 ng/ml
RT: 5.272 min Scan# 2361
Delta R.T. -0.000 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:202 Resp: 700877

Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.8	13.2

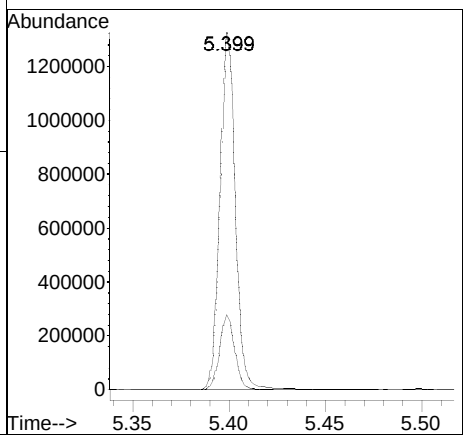


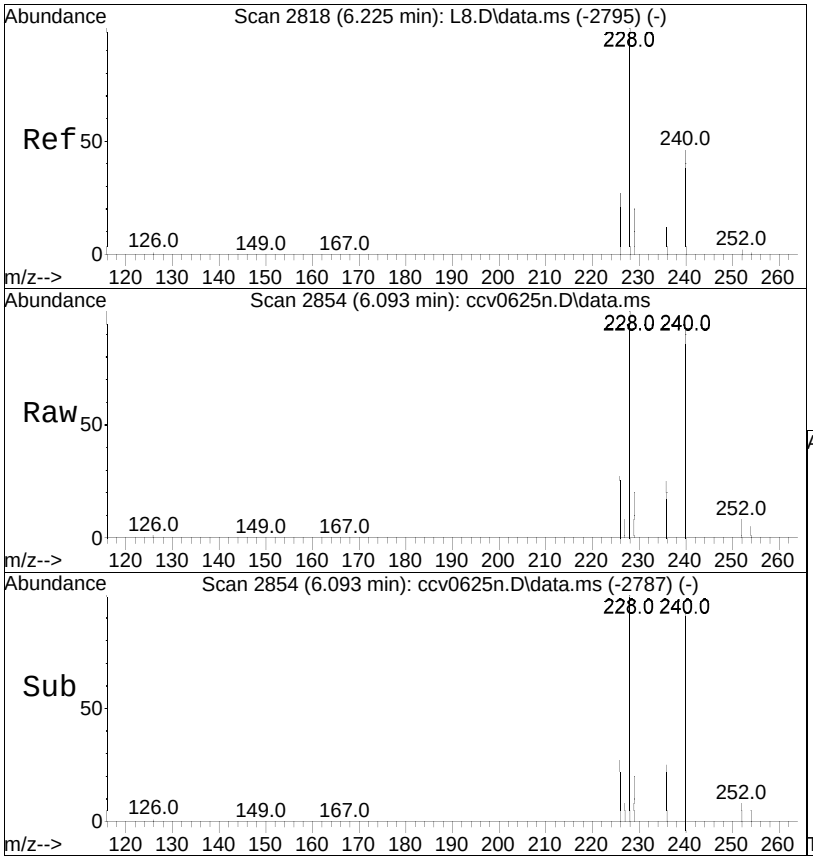


#30
Pyrene
Concen: 913.31 ng/ml
RT: 5.399 min Scan# 2432
Delta R.T. -0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:202 Resp: 721387

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.9	25.3

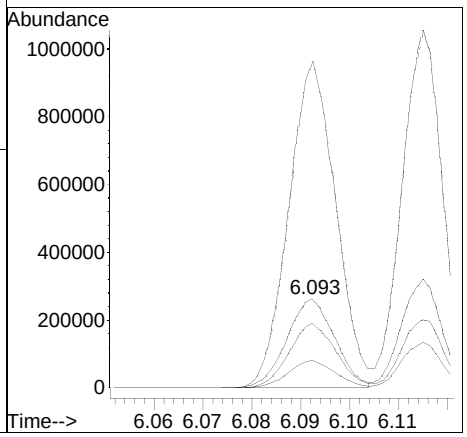


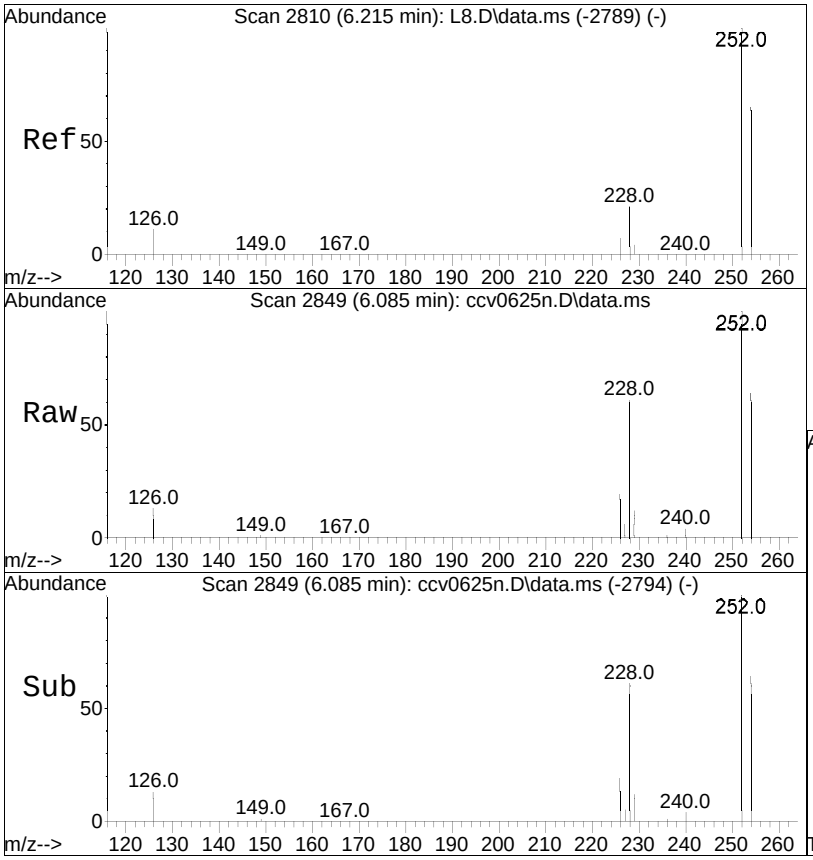


#34
Benzo[a]anthracene
Concen: 891.26 ng/ml
RT: 6.093 min Scan# 2854
Delta R.T. -0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:226 Resp: 178123

Ion	Ratio	Lower	Upper
226	100		
227	30.0	0.0	0.0#
228	361.5	288.7	433.1
229	71.2	56.8	85.2

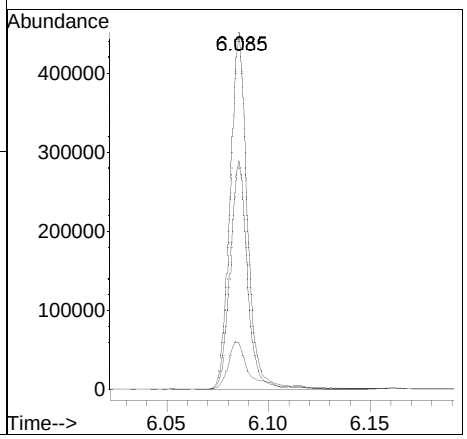


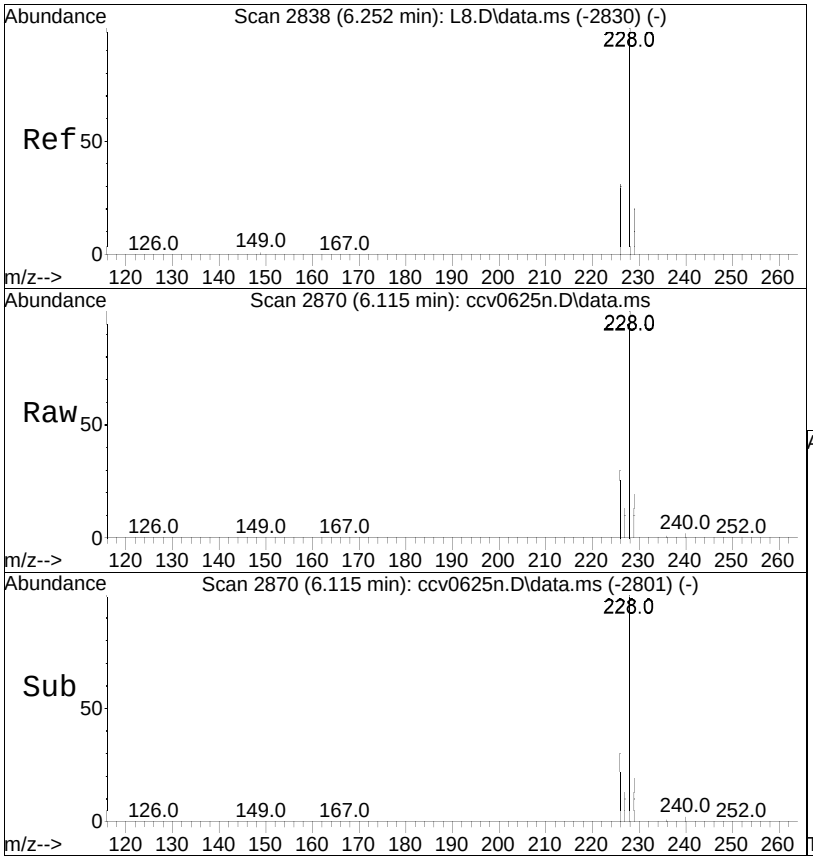


#35
3,3'-Dichlorobenzidine
Concen: 1035.01 ng/ml
RT: 6.085 min Scan# 2849
Delta R.T. -0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:252 Resp: 261509

Ion	Ratio	Lower	Upper
252	100		
126	15.9	9.5	14.3#
254	64.2	51.5	77.3

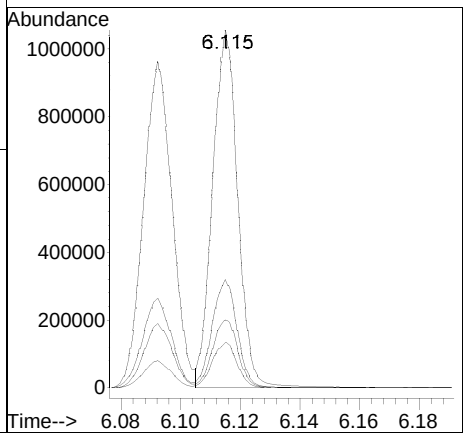


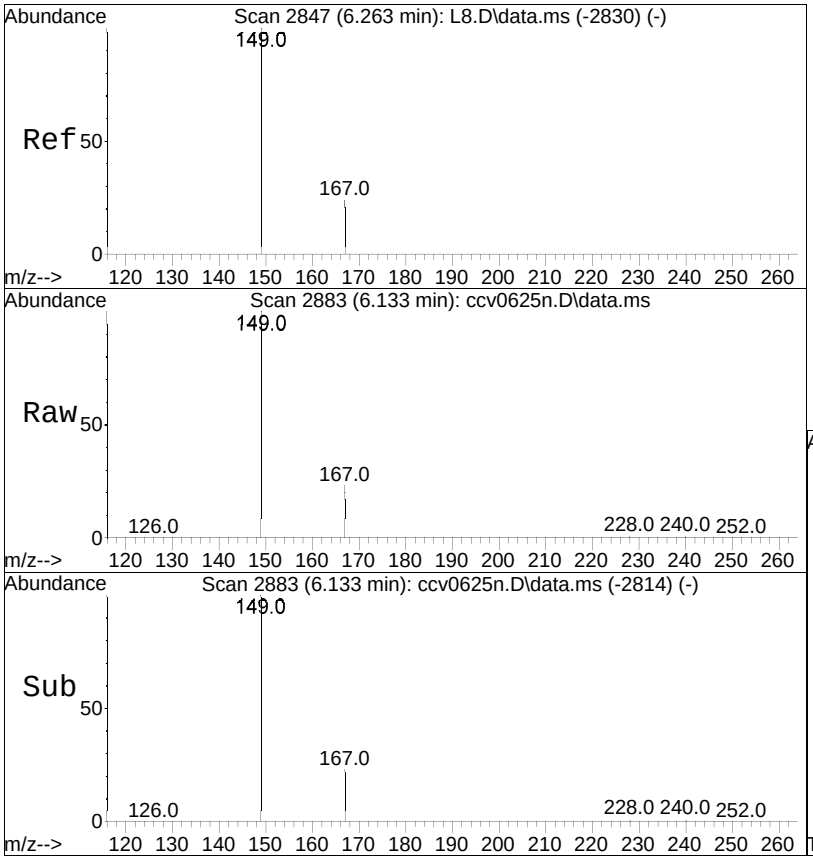


#36
Chrysene
Concen: 939.61 ng/ml
RT: 6.115 min Scan# 2870
Delta R.T. -0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:228 Resp: 613155

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.4	36.6
227	12.7	0.0	0.0#
229	19.4	15.6	23.4

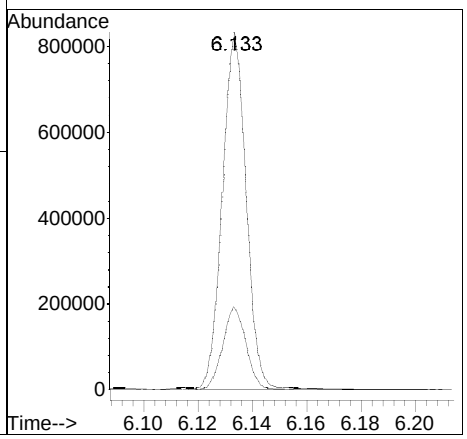


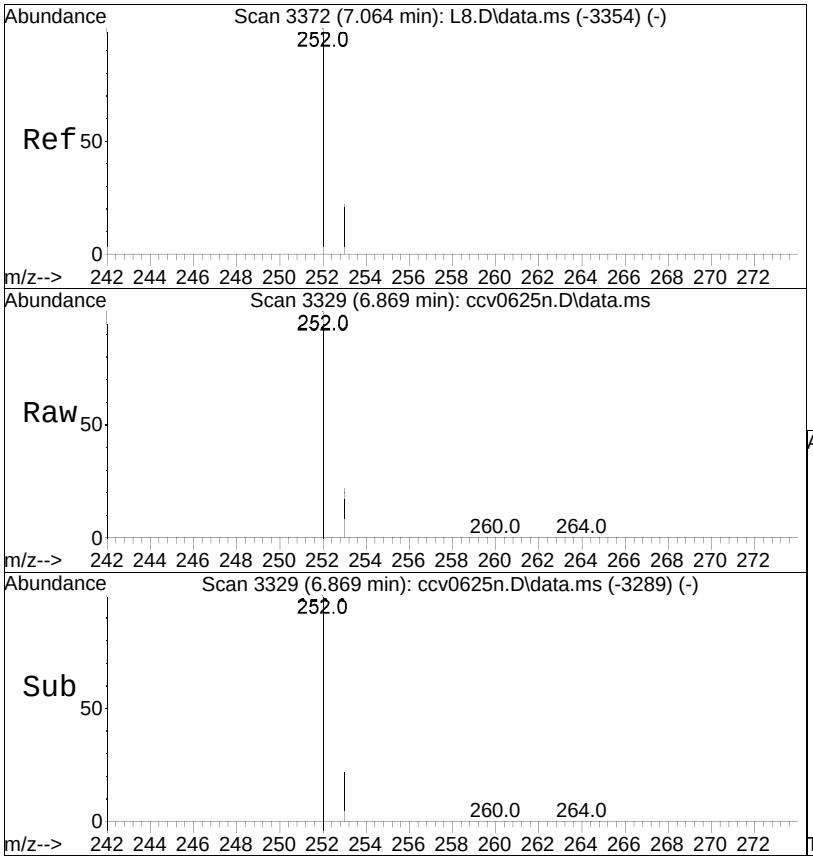


#37
Bis(2-ethylhexyl)phthalate
Concen: 1105.40 ng/ml
RT: 6.133 min Scan# 2883
Delta R.T. -0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:149 Resp: 497082

Ion	Ratio	Lower	Upper
149	100		
167	23.0	18.6	27.8

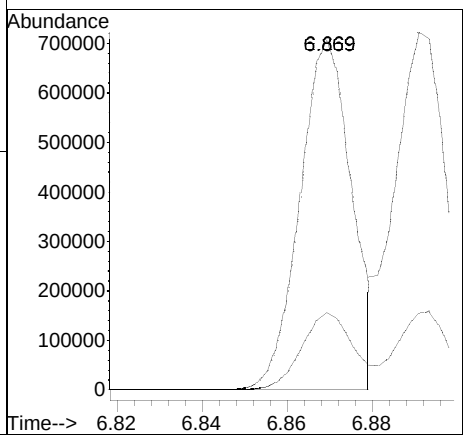


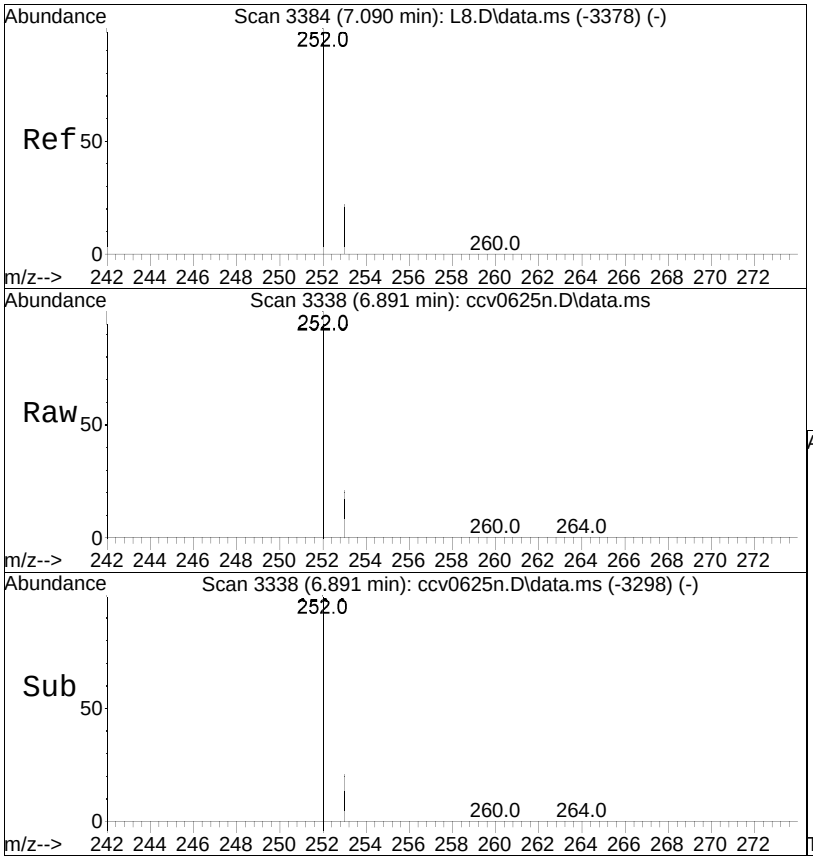


#39
Benzo[b]fluoranthene
Concen: 922.80 ng/ml
RT: 6.869 min Scan# 3329
Delta R.T. -0.003 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:252 Resp: 595602

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2

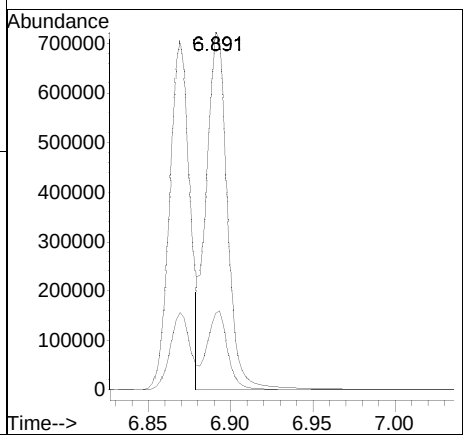


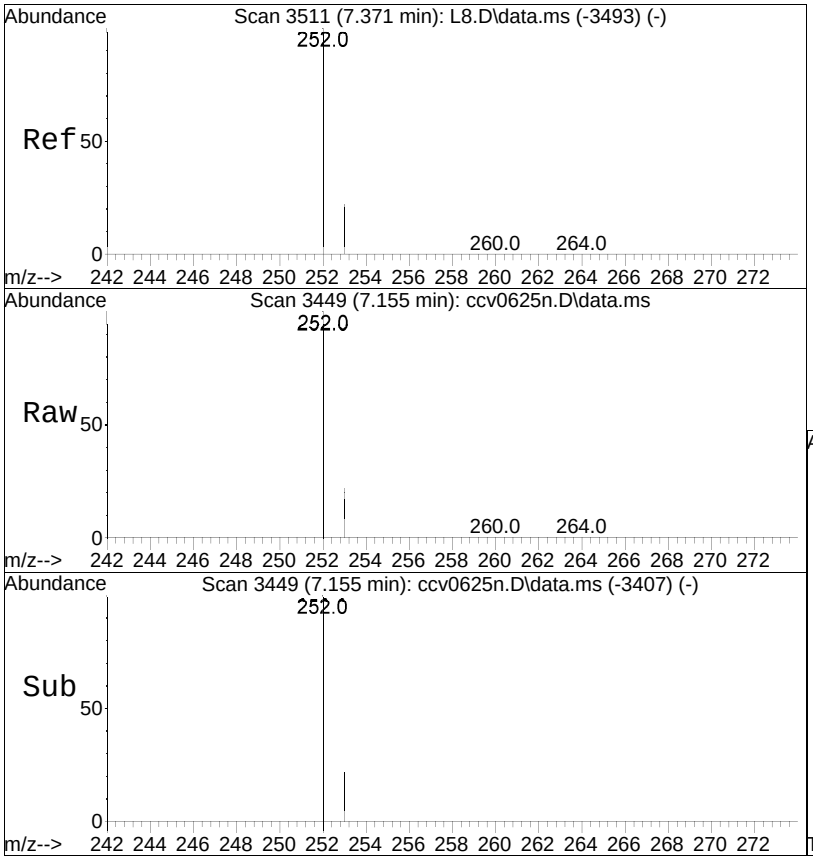


#40
Benzo[k]fluoranthene
Concen: 1048.10 ng/ml
RT: 6.891 min Scan# 3338
Delta R.T. -0.005 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:252 Resp: 643656

Ion	Ratio	Lower	Upper
252	100		
253	20.9	17.6	26.4

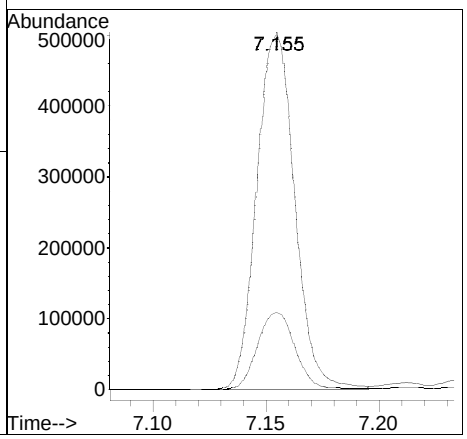


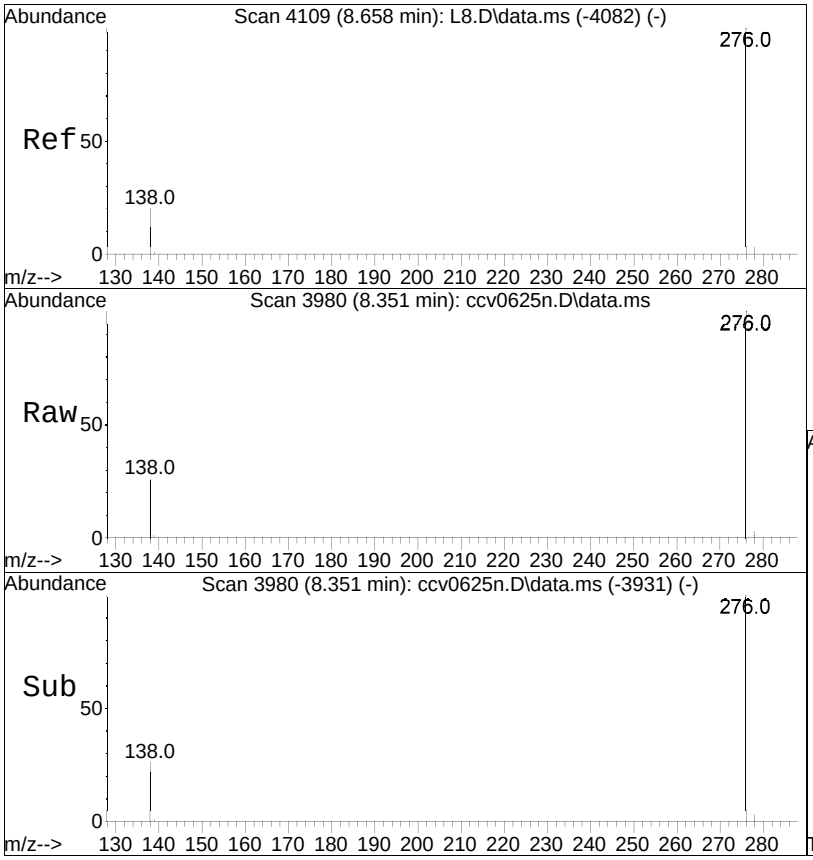


#41
Benzo[a]pyrene
Concen: 1080.78 ng/ml
RT: 7.155 min Scan# 3449
Delta R.T. -0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:252 Resp: 580457

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

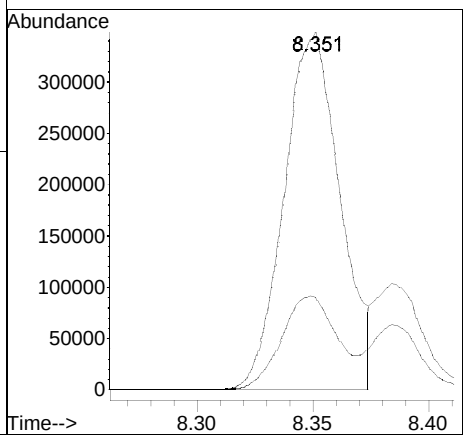


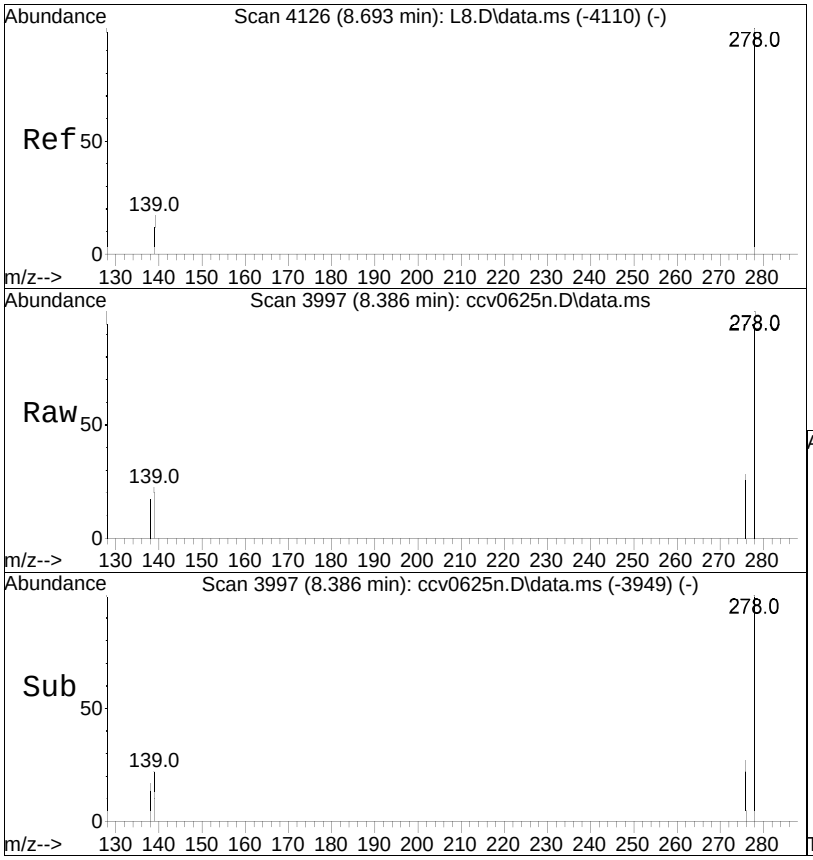


#42
Indeno[1,2,3-cd]pyrene
Concen: 1218.53 ng/ml
RT: 8.351 min Scan# 3980
Delta R.T. 0.002 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:276 Resp: 580118

Ion	Ratio	Lower	Upper
276	100		
138	26.4	17.0	25.4#

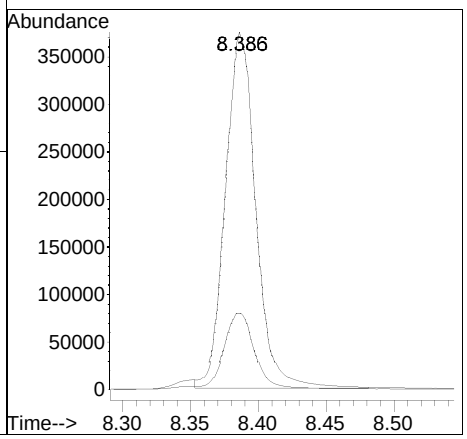


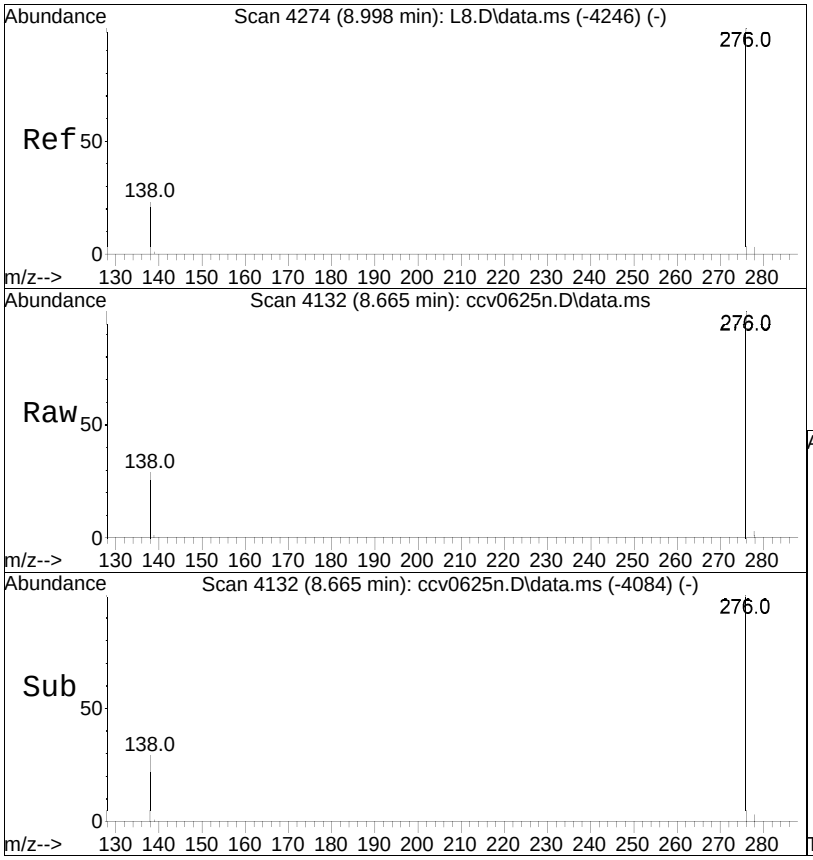


#43
Dibenzo[a,h]anthracene
Concen: 1259.12 ng/ml M6
RT: 8.386 min Scan# 3997
Delta R.T. -0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:278 Resp: 578710

Ion	Ratio	Lower	Upper
278	100		
139	21.5	13.9	20.9#

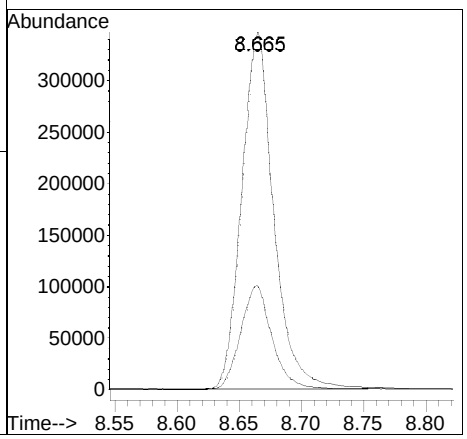




#44
Benzo[g,h,i]perylene
Concen: 1217.85 ng/ml
RT: 8.665 min Scan# 4132
Delta R.T. -0.001 min
Lab File: ccv0625n.D
Acq: 25 Jun 2025 09:28 pm

Tgt Ion:276 Resp: 612645

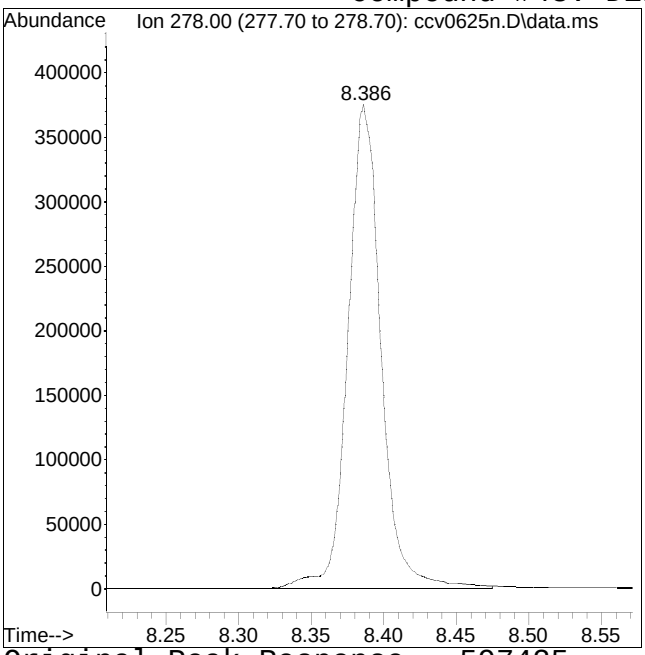
Ion	Ratio	Lower	Upper
276	100		
138	29.0	18.7	28.1#



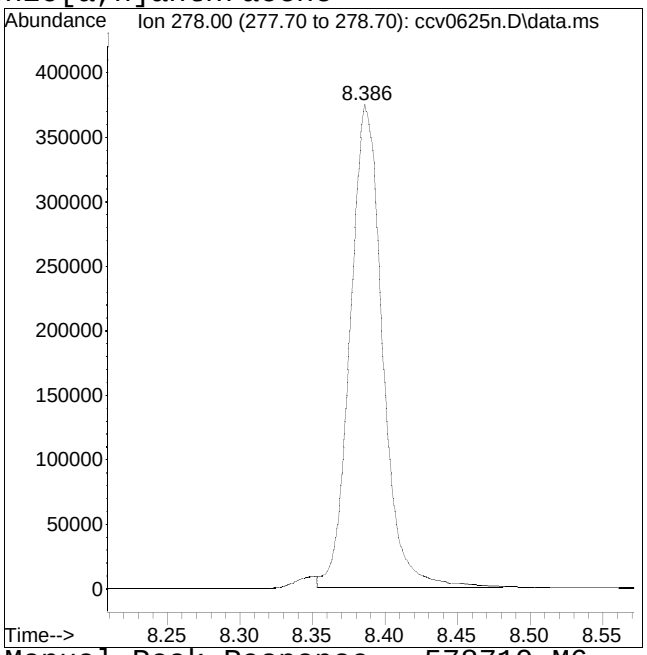
Manual Integration Report

Data Path : I:\8270SIM\SV118\250625nRVQ
Data File : ccv0625n.D
Date Inj'd : 6/25/2025 9:28 pm
Sample : WG2083522-3,32,,ICV 11275
Method : SIM-RVT_250203sv118.M
Operator : SV118:slr
Instrument : SV118
Quant Date : 6/25/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 597425



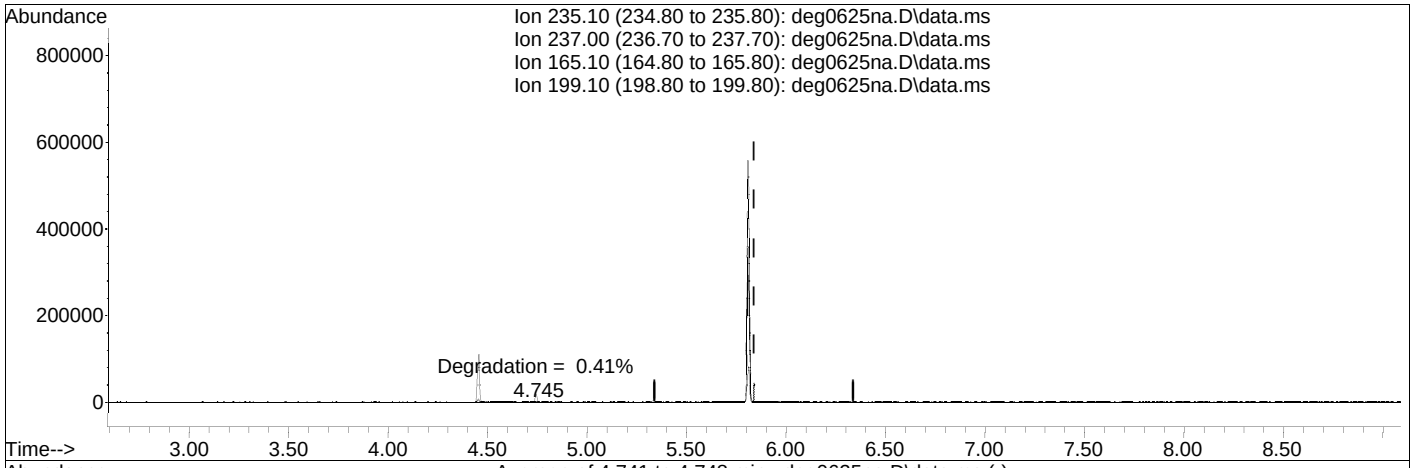
Manual Peak Response = 578710 M6

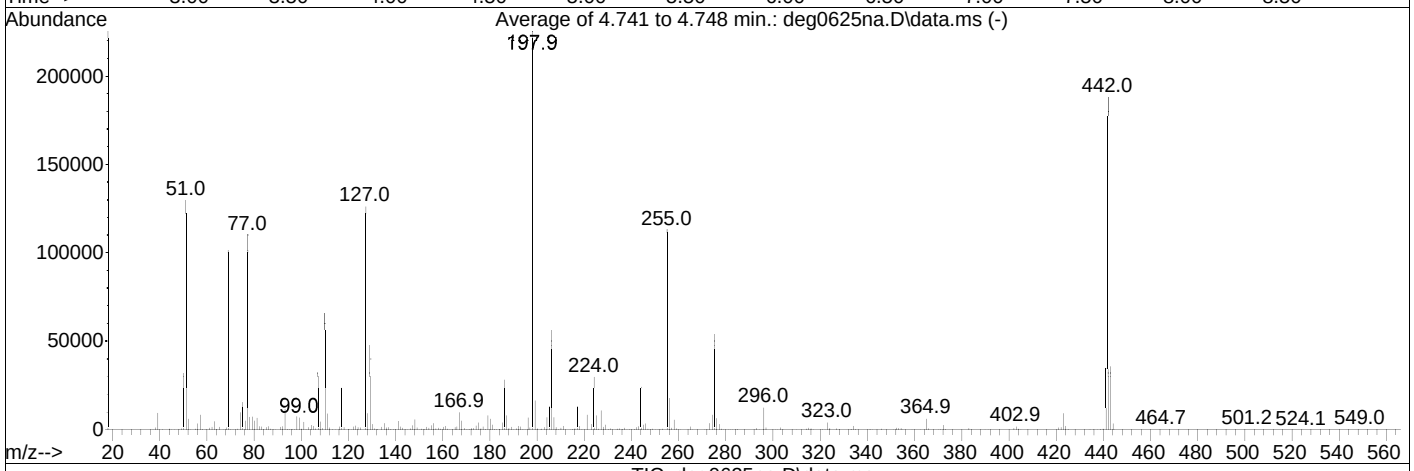
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : deg0625na.D
Acq On : 25 Jun 2025 09:10 pm
Operator : SV118:slr
Sample : WG2083522-2,32,,dftpp SV118 lot #11649
Misc : WG2083522,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 25 21:22:49 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 13 16:17:33 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0625na.D\data.ms

(6) ddt (T)

5.808min (-0.031) 69.44

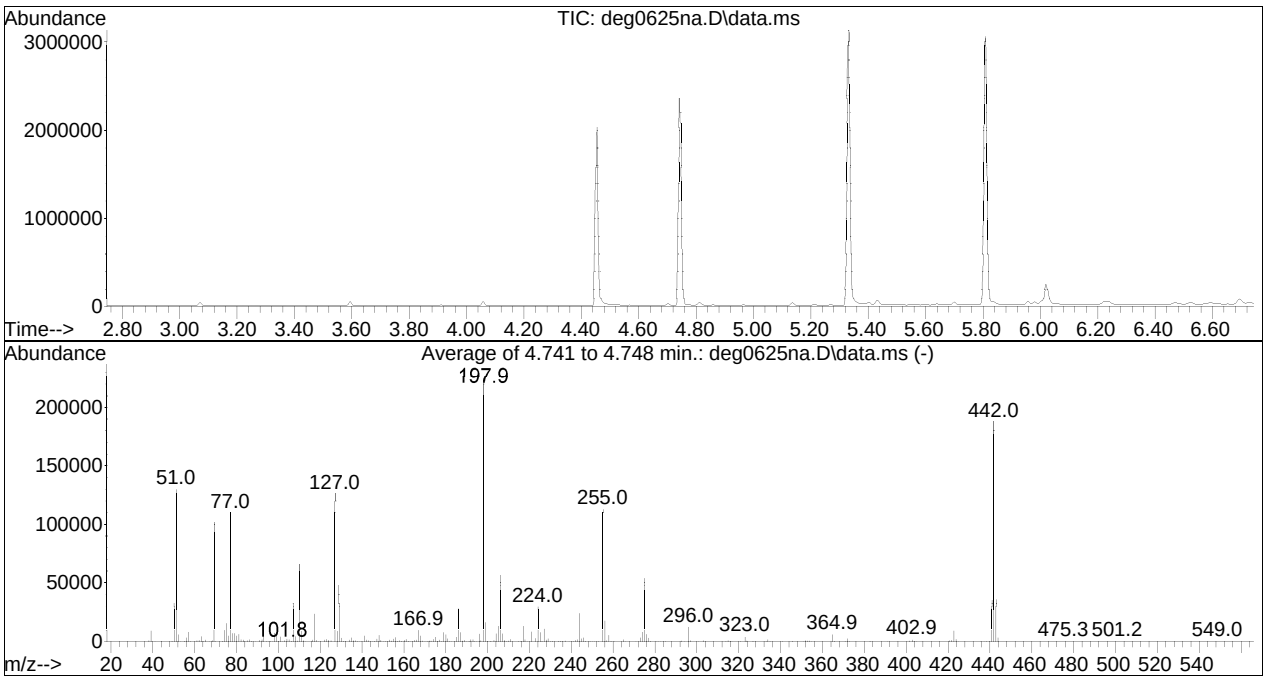
response 423312

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.99
165.10	53.30	52.92
199.10	17.10	14.86

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : deg0625na.D
Acq On : 25 Jun 2025 09:10 pm
Operator : SV118:slr
Sample : WG2083522-1,32,,dftpp SV118 lot #11649
Misc : WG2083522,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\SV118\250625nRVT\dftppsv118.m
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 26 08:52:37 2025



AutoFind: Scans 853, 854, 855; Background Corrected with Scan 846

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	57.6	129872	PASS
68	69	0.00	2	1.4	1383	PASS
70	69	0.00	2	0.4	392	PASS
127	198	10	80	56.1	126409	PASS
197	198	0.00	2	0.6	1400	PASS
198	198	100	100	100.0	225426	PASS
199	198	5	9	7.3	16430	PASS
275	198	10	60	23.8	53672	PASS
365	198	1	100	2.8	6316	PASS
441	442	0.01	24	18.7	35077	PASS
442	198	50	100	83.4	187924	PASS
443	442	15	24	19.1	35833	PASS

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.00	69	48.95	864	60.90	1233	72.00	16
37.00	221	49.95	31747	61.95	1720	72.95	698
37.95	1442	50.95	129872	63.00	4920	74.00	9882
39.00	9520	52.00	6241	64.00	564	75.00	15581
39.85	137	52.90	271	65.00	1870	76.00	5133
40.90	436	54.90	822	65.95	97	77.00	110228
41.90	25	55.95	3733	67.00	165	78.00	7312
43.90	645	57.00	8525	68.10	1383	78.95	7382
44.90	136	57.90	617	69.00	101461	80.00	5265
45.95	158	59.05	186	69.90	392	81.00	6717
48.20	198	59.80	214	70.85	157	81.95	2036

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
83.05	1980	92.95	11727	104.00	2826	114.35	134
83.85	368	94.00	644	104.90	2250	114.50	83
84.95	1534	94.85	372	105.90	914	114.70	43
85.90	2172	95.95	664	107.00	32148	116.00	1915
86.90	846	96.90	296	108.00	4613	116.95	23487
87.85	194	97.95	7620	108.95	1135	117.90	1693
88.80	183	98.95	6979	110.00	65605	118.90	129
89.70	21	99.85	680	111.00	9164	120.00	461
90.00	97	100.90	4461	111.80	1398	121.00	207
90.85	1700	101.85	347	112.85	432	121.90	1879
91.95	2176	102.95	1504	113.85	115	122.85	2494

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
123.90	1609	136.85	1554	148.00	5886	157.90	1273
125.00	1423	137.75	515	148.85	1472	158.85	798
126.95	126409	138.85	317	149.70	63	160.00	1760
128.00	9238	139.75	351	150.05	236	160.90	2321
129.00	47443	141.00	5072	150.85	655	161.95	746
130.00	3379	141.90	1906	151.85	490	162.80	257
130.90	882	142.90	1215	152.95	1754	163.95	303
131.95	564	144.05	275	153.90	1163	165.00	1635
133.90	1775	144.85	326	154.95	2662	165.85	1894
134.95	3812	146.00	1008	155.95	3917	166.90	9851
135.90	1407	146.95	2651	156.90	870	167.90	5223

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
168.85	1062	180.00	6213	191.00	902	201.10	245
170.00	353	180.90	2875	191.95	2267	201.50	769
170.95	493	181.75	562	192.90	1982	202.95	1519
171.95	1120	182.75	350	193.75	474	204.00	7101
172.85	1047	183.85	450	194.70	249	205.00	13230
173.95	2427	185.00	4156	196.00	6942	206.00	55879
175.00	4122	185.95	28000	196.75	1400	207.00	7152
175.95	933	186.95	8153	197.90	225426	207.90	1576
176.85	1937	187.90	1174	198.90	16430	208.90	422
177.95	552	188.90	1696	199.90	926	209.90	1176
178.90	8096	189.85	227	200.80	142	210.95	2305

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms

WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
212.80	164	225.85	822	235.80	488	246.80	778
213.90	98	226.90	10894	236.90	1256	247.70	182
214.75	609	227.95	1784	237.85	152	248.85	706
215.85	912	228.85	2897	238.90	409	249.75	41
216.90	13222	229.95	513	239.90	305	250.05	170
217.85	2251	230.90	912	240.95	646	251.10	193
218.80	362	231.90	152	241.95	1567	251.90	171
220.95	8591	233.00	46	242.95	2180	252.90	681
222.85	3273	233.25	141	244.00	24066	255.00	113040
224.00	29483	233.90	709	245.00	2918	255.95	17776
225.00	8153	234.85	906	245.85	3680	256.90	1294

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
257.90	5720	268.10	17	277.90	789	288.75	70
258.90	871	268.90	35	278.80	147	289.05	136
259.75	140	269.80	34	280.20	38	289.80	148
260.65	233	270.00	33	280.85	195	290.80	84
261.65	61	270.90	252	281.75	236	291.75	120
262.75	86	271.80	224	282.80	291	292.10	69
264.00	71	272.95	3760	283.90	223	292.80	1081
264.90	2031	273.95	8547	284.90	682	293.95	325
265.80	237	275.00	53672	286.70	28	296.00	12555
266.80	30	275.95	6599	287.60	41	296.90	1474
267.65	22	276.95	3289	288.00	16	297.65	12

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
297.90	62	307.75	138	316.85	274	326.80	937
298.85	61	308.70	34	317.95	1	327.90	471
299.15	11	309.15	77	318.90	36	328.70	80
300.80	185	309.85	134	320.85	454	329.50	19
301.90	219	310.90	7	321.80	193	330.00	22
302.20	75	311.75	110	322.10	99	330.50	16
303.00	1358	312.35	115	323.00	4185	330.90	14
304.10	274	313.00	33	323.95	1028	331.60	133
304.75	30	313.85	702	324.75	81	332.55	161
305.80	5	314.85	1345	325.60	29	333.10	583
306.30	21	315.95	950	326.10	47	334.00	2229

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.95	648	346.90	18	355.80	1	364.90	6316
336.00	30	347.10	91	355.95	24	365.85	908
336.95	17	348.00	44	357.15	46	367.05	50
337.55	32	348.75	72	357.95	44	367.75	25
338.10	1	349.60	5	358.75	112	368.40	42
338.90	49	350.20	0	359.70	30	369.80	186
339.95	89	351.00	233	360.95	4	370.90	434
340.95	540	352.00	1289	361.70	10	372.00	2859
341.90	196	353.00	1133	362.50	154	372.90	600
343.55	31	354.05	1082	363.20	110	373.90	72
345.75	821	354.90	291	364.10	160	375.35	2

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
376.55	27	388.00	11	398.90	2	410.55	1
376.95	11	388.60	48	400.90	93	411.25	2
378.25	11	389.70	171	401.90	1143	412.70	46
380.00	1	390.55	80	402.95	1877	413.50	1
381.60	35	391.05	303	403.85	674	413.80	6
382.85	988	391.65	93	404.90	160	414.30	12
383.90	213	392.90	17	405.85	46	414.90	96
384.85	131	394.00	2	406.55	2	415.80	51
385.65	4	395.95	10	407.20	75	416.40	10
386.35	0	396.85	129	408.50	38	418.40	56
387.75	46	398.05	3	409.80	67	419.30	60

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
419.80	46	431.25	32	442.00	187924	450.30	0
420.90	1335	432.30	2	442.95	35833	451.25	1
421.90	1582	432.85	51	444.00	3672	451.80	2
423.00	9407	433.80	193	444.70	189	452.40	2
423.95	2373	434.50	162	445.25	99	453.15	3
424.90	478	435.75	197	445.85	3	454.05	2
425.80	80	437.35	280	446.80	8	454.90	1
427.55	29	438.10	62	447.95	1	455.40	1
429.80	11	438.65	540	449.10	1	456.00	2
430.50	6	439.75	658	449.50	3	456.55	2
430.75	21	441.00	35077	450.10	1	457.15	1

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
458.40	12	466.75	3	479.35	2	492.50	1
459.00	1	467.65	2	479.95	3	492.85	3
459.75	1	468.75	0	481.05	2	493.50	1
460.20	0	470.55	2	483.30	2	496.00	3
461.50	3	471.90	1	484.25	2	496.60	2
461.95	6	472.60	1	485.55	1	496.95	1
463.15	1	473.95	2	486.35	1	497.60	4
463.60	2	474.55	1	487.75	5	499.05	6
464.40	3	475.30	6	488.70	2	499.80	2
464.70	20	477.30	17	490.80	2	501.20	23
465.45	2	478.25	3	491.60	9	502.50	10

Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
503.45	4	517.35	3	527.50	0	538.65	1
504.70	1	518.70	2	528.10	0	540.05	4
505.25	2	519.85	2	529.00	10	540.85	2
506.05	2	520.80	1	530.10	1	541.60	4
507.40	8	521.90	0	531.25	0	542.50	1
508.65	3	522.90	1	532.40	2	543.00	2
512.10	0	524.15	5	533.20	1	543.75	2
513.70	5	524.70	1	534.40	1	544.90	3
515.00	2	525.40	1	535.70	9	546.05	3
515.85	2	526.85	1	536.35	2	546.90	0
516.60	2	527.20	1	537.60	5	547.55	3

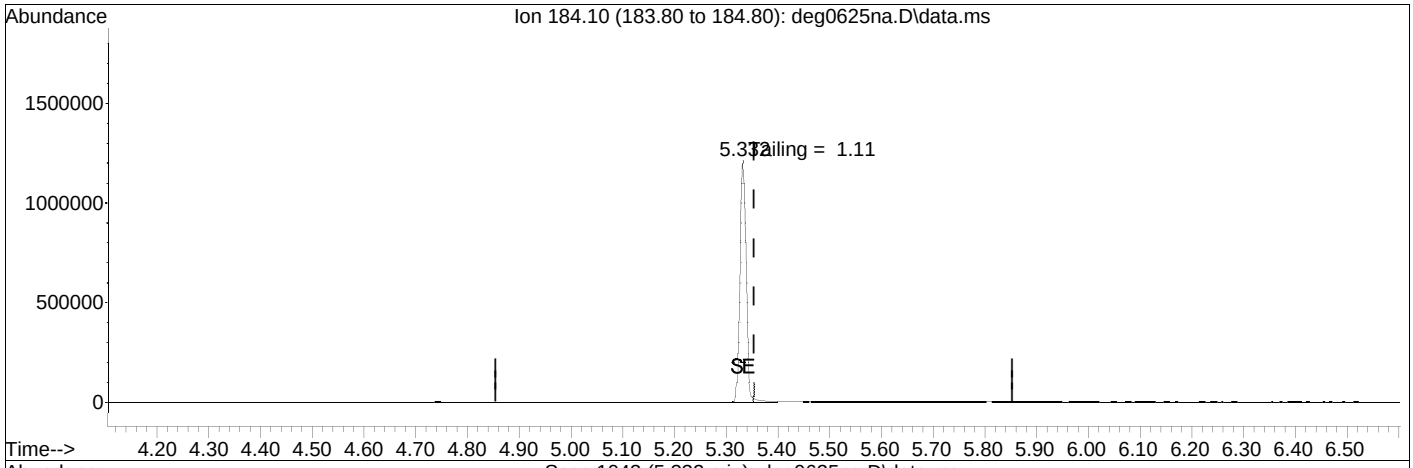
Average of 4.741 to 4.748 min.: deg0625na.D\data.ms
WG2083522-1,32,,dftpp SV118 lot #11649
Modified:subtracted

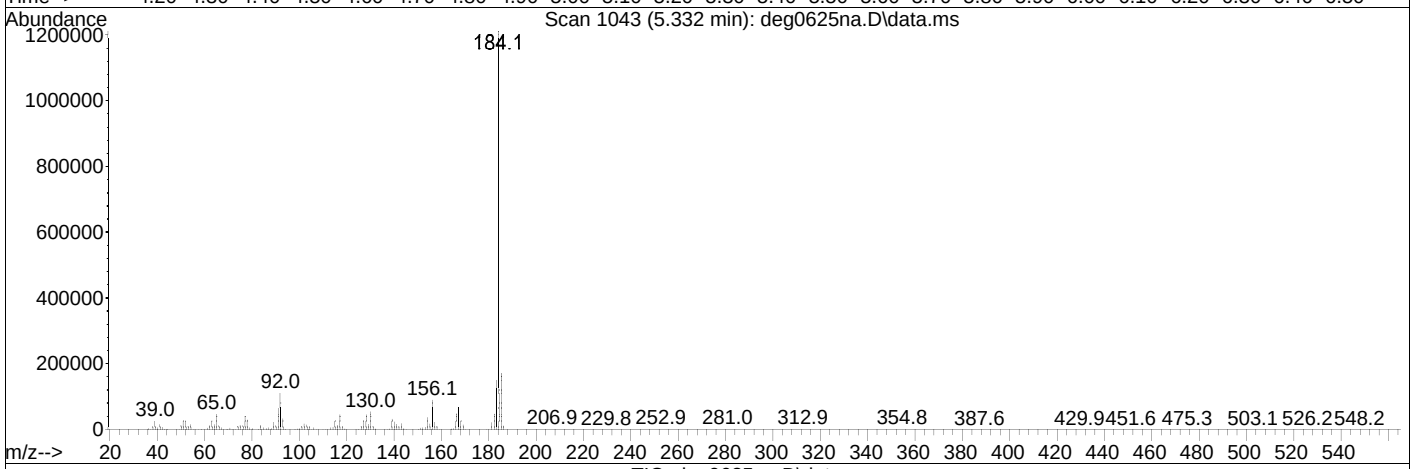
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
548.15	4						
549.00	27						

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : deg0625na.D
Acq On : 25 Jun 2025 09:10 pm
Operator : SV118:slr
Sample : WG2083522-4,32,,dftpp SV118 lot #11649
Misc : WG2083522,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 25 21:22:49 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 13 16:17:33 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0625na.D\data.ms

(3) benzidine (T)

5.332min (-0.022) 91.46

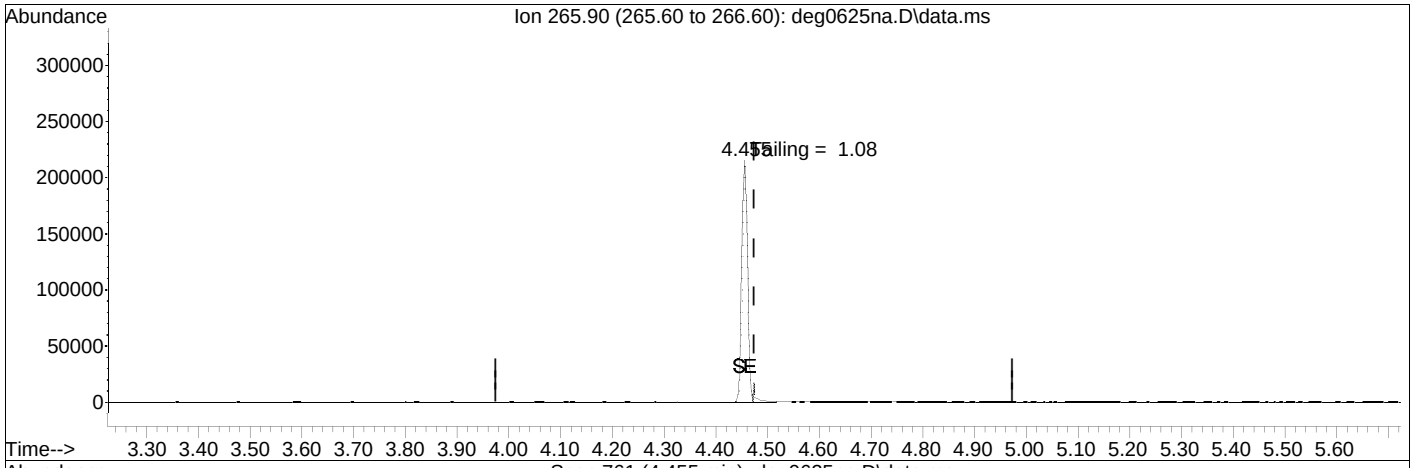
response 931042

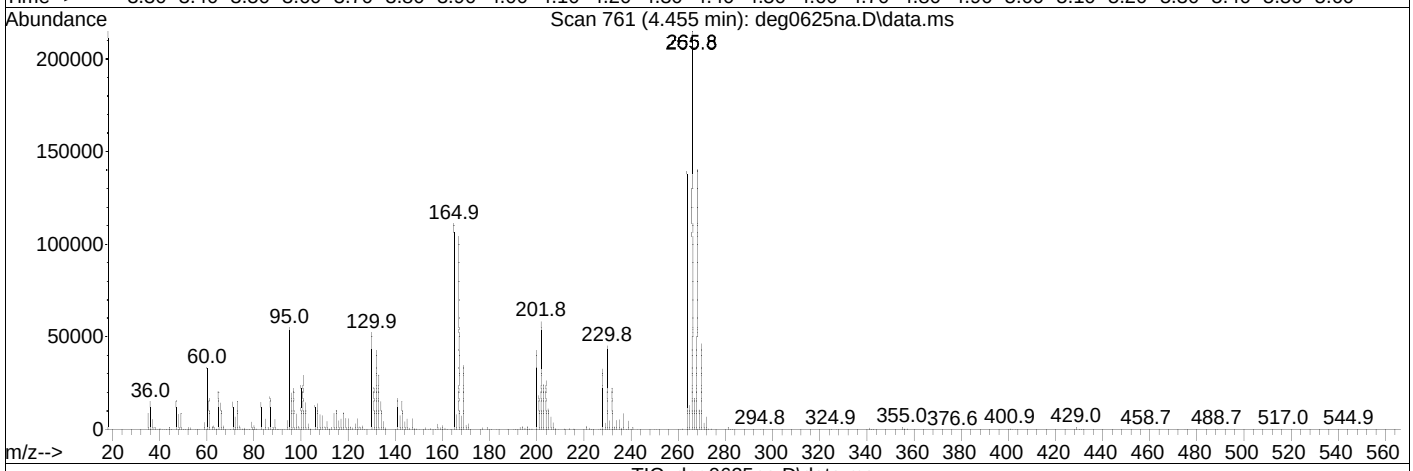
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\SV118\250625nRVT\
Data File : deg0625na.D
Acq On : 25 Jun 2025 09:10 pm
Operator : SV118:slr
Sample : WG2083522-5,32,,dftpp SV118 lot #11649
Misc : WG2083522,,ical21963
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 25 21:22:49 2025
Quant Method : I:\8270SIM\SV118\250625nRVT\dftppsv118.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 13 16:17:33 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D





TIC: deg0625na.D\data.ms

(1) pentachlorophenol (T)

4.455min (-0.019) 73.94

response 155294

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/22/25 21:24		
Lab File ID	: CCV0622A	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2082077-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	74	0
2-Fluorophenol	1.223	1.182	.01	3.4	20	71	0
Phenol-d6	1.466	1.402	.01	4.4	20	70	0
Bis(2-chloroethyl)ether	1.301	1.231	.01	5.4	20	72	0
n-nitrosodi-n-propylamine	0.835	0.823	.01	1.4	20	69	0
Hexachloroethane	0.544	0.561	.01	-3.1	20	76	0
Nitrobenzene-d5	1.197	1.207	.01	-0.8	20	71	0
Naphthalene-d8	1	1	.01	0	20	76	0
Naphthalene	1.137	1.107	.01	2.6	20	76	0
Hexachlorobutadiene	0.204	0.181	.01	11.3	20	67	0
2-Methylnaphthalene	0.707	0.697	.01	1.4	20	75	0
1-Methylnaphthalene	0.719	0.709	.01	1.4	20	75	0
2-Fluorobiphenyl	0.876	0.85	.01	3	20	77	0
2-Chloronaphthalene	0.765	0.753	.01	1.6	20	75	0
2,6-Dinitrotoluene	0.17	0.175	.01	-2.9	20	72	0
Acenaphthylene	1.17	1.261	.01	-7.8	20	77	0
Acenaphthene-d10	1	1	.01	0	20	73	0
Acenaphthene	1.424	1.461	.01	-2.6	20	76	0
2,4-Dinitrotoluene	0.411	0.452	.01	-10	20	72	0
Fluorene	1.566	1.644	.01	-5	20	76	0
2,4,6-Tribromophenol	0.185	0.198	.01	-7	20	67	0
Phenanthrene-d10	1	1	.01	0	20	69	0
4,6-Dinitro-o-cresol	1000	778.367	.01	22.2*	20	58	0
Hexachlorobenzene	0.265	0.268	.01	-1.1	20	71	0
Pentachlorophenol	1000	865.852	.01	13.4	20	57	0
Phenanthrene	1.211	1.248	.01	-3.1	20	73	0
Anthracene	1.202	1.299	.01	-8.1	20	74	0
Fluoranthene	1.379	1.445	.01	-4.8	20	72	0
Pyrene	1.427	1.489	.01	-4.3	20	71	0
4-Terphenyl-d14	0.929	0.851	.01	8.4	20	65	0
Chrysene-d12	1	1	.01	0	20	63	0
Benzo[a]anthracene	0.423	0.422	.01	0.2	20	65	0
3,3'-Dichlorobenzidine	0.534	0.631	.01	-18.2	20	69	0
Chrysene	1.38	1.468	.01	-6.4	20	67	0
Bis(2-ethylhexyl)phthalate	1000	1171.655	.01	-17.2	20	80	0
Perylene-d12	1	1	.01	0	20	65	0
Benzo[b]fluoranthene	1.316	1.436	.01	-9.1	20	69	0
Benzo[k]fluoranthene	1.252	1.441	.01	-15.1	20	69	0
Benzo[a]pyrene	1.095	1.337	.01	-22.1*	20	72	0
Indeno[1,2,3-cd]pyrene	0.971	1.293	.01	-33.2*	20	79	0
Dibenzo[a,h]anthracene	0.937	1.26	.01	-34.5*	20	77	0
Benzo[g,h,i]perylene	1.026	1.348	.01	-31.4*	20	79	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	79	0
N-Nitrosodimethylamine	0.662	0.707	.05	-6.8	20	86	0
2-Fluorophenol	1.123	1.213	.05	-8	20	86	0
Phenol-d6	1.459	1.497	.05	-2.6	20	84	0
Bis(2-chloroethyl)ether	1.177	1.131	.05	3.9	20	76	0
n-nitrosodi-n-propylamine	0.885	0.844	.05	4.6	20	76	0
Hexachloroethane	0.531	0.492	.05	7.3	20	74	0
Nitrobenzene-d5	1.203	1.123	.05	6.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	79	0
Naphthalene	1.048	0.983	.05	6.2	20	76	0
Hexachlorobutadiene	0.208	0.197	.05	5.3	20	77	0
2-Methylnaphthalene	0.695	0.653	.05	6	20	77	0
1-Methylnaphthalene	0.718	0.669	.05	6.8	20	76	0
2-Fluorobiphenyl	0.905	0.854	.05	5.6	20	77	0
2-Chloronaphthalene	0.779	0.718	.05	7.8	20	74	0
2,6-Dinitrotoluene	0.159	0.123	.05	22.6*	20	61	0
Acenaphthylene	1.296	1.207	.05	6.9	20	74	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.329	1.236	.05	7	20	75	0
2,4-Dinitrotoluene	0.353	0.271	.05	23.2*	20	59	0
Fluorene	1.589	1.485	.05	6.5	20	75	0
2,4,6-Tribromophenol	0.201	0.201	.05	0	20	79	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	633.76	.05	36.6*	20	51	0
Hexachlorobenzene	0.248	0.244	.05	1.6	20	80	0
Pentachlorophenol	1000	711.476	.05	28.9*	20	57	0
Phenanthrene	1.189	1.057	.05	11.1	20	75	0
Anthracene	1.16	1.095	.05	5.6	20	75	0
Fluoranthene	1.446	1.344	.05	7.1	20	76	0
Pyrene	1.492	1.393	.05	6.6	20	77	0
Benzidine	1000	762.729	.05	23.7*	20	55	0
4-Terphenyl-d14	0.899	0.971	.05	-8	20	87	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	902.792	.05	9.7	20	80	0
3,3'-Dichlorobenzidine	0.522	0.532	.05	-1.9	20	86	0
Chrysene	1.315	1.242	.05	5.6	20	84	0
Bis(2-ethylhexyl)phthalate	1000	800.486	.05	20	20	79	0
Perylene-d12	1	1	.05	0	20	97	0
Benzo[b]fluoranthene	1.206	1.1	.05	8.8	20	81	0
Benzo[k]fluoranthene	1.273	1.263	.05	0.8	20	89	0
Benzo[a]pyrene	1.097	1.07	.05	2.5	20	85	0
Indeno[1,2,3-cd]pyrene	1000	711.024	.05	28.9*	20	70	0
Dibenzo[a,h]anthracene	1000	835.379	.05	16.5	20	82	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV119	**Calibration Date**	: 06/23/25 09:12		
Lab File ID	: CCV0623A	**Init. Calib. Date(s)**	: 06/18/25	06/18/25	
Sample No	: WG2082224-3	**Init. Calib. Times**	: 18:34	21:03	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1000	872.859	.05	12.7	20	86	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV118	**Calibration Date**	: 06/25/25 21:28		
Lab File ID	: CCV0625N	**Init. Calib. Date(s)**	: 02/03/25	02/03/25	
Sample No	: WG2083522-3	**Init. Calib. Times**	: 15:47	18:20	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.01	0	20	121	0
2-Fluorophenol	1.223	1.223	.01	0	20	120	0
Phenol-d6	1.466	1.492	.01	-1.8	20	122	0
Bis(2-chloroethyl)ether	1.301	1.173	.01	9.8	20	112	0
n-nitrosodi-n-propylamine	0.835	0.837	.01	-0.2	20	114	0
Hexachloroethane	0.544	0.533	.01	2	20	118	0
Nitrobenzene-d5	1.197	1.204	.01	-0.6	20	116	0
Naphthalene-d8	1	1	.01	0	20	123	0
Naphthalene	1.137	1.027	.01	9.7	20	115	0
Hexachlorobutadiene	0.204	0.177	.01	13.2	20	107	0
2-Methylnaphthalene	0.707	0.651	.01	7.9	20	114	0
1-Methylnaphthalene	0.719	0.654	.01	9	20	113	0
2-Fluorobiphenyl	0.876	0.796	.01	9.1	20	116	0
2-Chloronaphthalene	0.765	0.681	.01	11	20	110	0
2,6-Dinitrotoluene	0.17	0.158	.01	7.1	20	106	0
Acenaphthylene	1.17	1.137	.01	2.8	20	113	0
Acenaphthene-d10	1	1	.01	0	20	119	0
Acenaphthene	1.424	1.305	.01	8.4	20	111	0
2,4-Dinitrotoluene	0.411	0.407	.01	1	20	106	0
Fluorene	1.566	1.473	.01	5.9	20	111	0
2,4,6-Tribromophenol	0.185	0.191	.01	-3.2	20	106	0
Phenanthrene-d10	1	1	.01	0	20	112	0
4,6-Dinitro-o-cresol	1000	775.437	.01	22.5*	20	93	0
Hexachlorobenzene	0.265	0.234	.01	11.7	20	100	0
Pentachlorophenol	1000	710.056	.01	29*	20	75	0
Phenanthrene	1.211	1.117	.01	7.8	20	106	0
Anthracene	1.202	1.178	.01	2	20	108	0
Fluoranthene	1.379	1.267	.01	8.1	20	103	0
Pyrene	1.427	1.304	.01	8.6	20	101	0
4-Terphenyl-d14	0.929	0.815	.01	12.3	20	100	0
Chrysene-d12	1	1	.01	0	20	101	0
Benzo[a]anthracene	0.423	0.377	.01	10.9	20	94	0
3,3'-Dichlorobenzidine	0.534	0.553	.01	-3.6	20	97	0
Chrysene	1.38	1.297	.01	6	20	95	0
Bis(2-ethylhexyl)phthalate	1000	1105.396	.01	-10.5	20	121	0
Perylene-d12	1	1	.01	0	20	106	0
Benzo[b]fluoranthene	1.316	1.215	.01	7.7	20	96	0
Benzo[k]fluoranthene	1.252	1.313	.01	-4.9	20	104	0
Benzo[a]pyrene	1.095	1.184	.01	-8.1	20	105	0
Indeno[1,2,3-cd]pyrene	0.971	1.183	.01	-21.8*	20	118	0
Dibenzo[a,h]anthracene	0.937	1.18	.01	-25.9*	20	118	0
Benzo[g,h,i]perylene	1.026	1.249	.01	-21.7*	20	119	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	157	0
N-Nitrosodimethylamine	0.665	0.662	.05	0.5	20	147	-.02
2-Fluorophenol	1.016	0.984	.05	3.1	20	140	0
Phenol-d6	1.207	1.17	.05	3.1	20	143	0
Bis(2-chloroethyl)ether	1.141	1.082	.05	5.2	20	143	0
Hexachloroethane	0.531	0.494	.05	7	20	149	0
n-nitrosodi-n-propylamine	0.803	0.745	.05	7.2	20	144	0
Nitrobenzene-d5	0.97	1.115	.05	-14.9	20	169	0
Naphthalene-d8	1	1	.05	0	20	151	0
Naphthalene	1.109	1.041	.05	6.1	20	143	0
Hexachlorobutadiene	0.236	0.231	.05	2.1	20	149	0
2-Methylnaphthalene	0.658	0.607	.05	7.8	20	140	0
1-Methylnaphthalene	0.684	0.643	.05	6	20	139	0
2-Fluorobiphenyl	0.902	0.853	.05	5.4	20	137	0
2-Chloronaphthalene	0.783	0.728	.05	7	20	139	0
Acenaphthylene	1.174	1.091	.05	7.1	20	132	0
2,6-Dinitrotoluene	0.137	0.146	.05	-6.6	20	157	0
Acenaphthene-d10	1	1	.05	0	20	140	0
Acenaphthene	1.316	1.263	.05	4	20	137	0
2,4-Dinitrotoluene	0.271	0.345	.05	-27.3*	20	176	0
Fluorene	1.471	1.389	.05	5.6	20	134	0
2,4,6-Tribromophenol	0.198	0.206	.05	-4	20	138	0
Phenanthrene-d10	1	1	.05	0	20	134	0
4,6-Dinitro-o-cresol	1000	1391.121	.05	-39.1*	20	186	0
Hexachlorobenzene	0.264	0.253	.05	4.2	20	130	0
Pentachlorophenol	1000	775.573	.05	22.4*	20	98	0
Phenanthrene	1.18	1.145	.05	3	20	132	0
Anthracene	1.096	1.056	.05	3.6	20	127	0
Fluoranthene	1.302	1.23	.05	5.5	20	127	0
Benzidine	1000	819.932	.05	18	20	101	0
Pyrene	1.382	1.297	.05	6.2	20	125	0
4-Terphenyl-d14	0.994	0.851	.05	14.4	20	118	0
Chrysene-d12	1	1	.05	0	20	124	0
Benzo[a]anthracene	1000	925.257	.05	7.5	20	111	0
3,3'-Dichlorobenzidine	0.455	0.46	.05	-1.1	20	124	0
Chrysene	1.386	1.333	.05	3.8	20	121	0
Bis(2-ethylhexyl)phthalate	1000	1043.785	.05	-4.4	20	127	0
Perylene-d12	1	1	.05	0	20	123	0
Benzo[b]fluoranthene	1.152	1.076	.05	6.6	20	113	0
Benzo[k]fluoranthene	0.995	1.049	.05	-5.4	20	115	0
Benzo[a]pyrene	0.933	0.969	.05	-3.9	20	115	0
Indeno[1,2,3-cd]pyrene	1.044	1.033	.05	1.1	20	117	0
Dibenzo[a,h]anthracene	0.95	1.07	.05	-12.6	20	121	0

*** Value outside of QC limits.**

Calibration Verification Summary
Form 7
Semivolatiles

Client	: P. W. Grosser	**Lab Number**	: L2536247		
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504		
Instrument ID	: SV106	**Calibration Date**	: 06/25/25 21:34		
Lab File ID	: SIM0625N	**Init. Calib. Date(s)**	: 03/11/25	03/11/25	
Sample No	: WG2083521-3	**Init. Calib. Times**	: 18:01	21:55	
Channel	:				

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1.057	1.034	.05	2.2	20	118	0

*** Value outside of QC limits.**

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250625RVTsim\
Data File : SIM0625n.D
Acq On : 25 Jun 2025 9:34 pm
Operator : SV106:rp
Sample : WG2083521-3,32,,CCV 11700 rap0621D
Misc : WG2083521,,ICAL22184
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 26 07:38:20 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	157	0.00
2	T	N-Nitrosodimethylamine	0.665	0.662	0.5	147	-0.02
3	s	2-Fluorophenol	1.016	0.984	3.1	140	0.00
4	s	Phenol-d6	1.207	1.170	3.1	143	0.00
5	T	Bis(2-chloroethyl)ether	1.141	1.082	5.2	143	0.00
6	T	Hexachloroethane	0.531	0.494	7.0	149	0.00
7	T	n-nitrosodi-n-propylamine	0.803	0.745	7.2	144	0.00
8	s	Nitrobenzene-d5	0.970	1.115	-14.9	169	0.00
9	i	Naphthalene-d8	1.000	1.000	0.0	151	0.00
10	t	Naphthalene	1.109	1.041	6.1	143	0.00
11	t	Hexachlorobutadiene	0.236	0.231	2.1	149	0.00
12	t	2-Methylnaphthalene	0.658	0.607	7.8	140	0.00
13	t	1-Methylnaphthalene	0.684	0.643	6.0	139	0.00
14	s	2-Fluorobiphenyl	0.902	0.853	5.4	137	0.00
15	t	2-Chloronaphthalene	0.783	0.728	7.0	139	0.00
16	T	Acenaphthylene	1.174	1.091	7.1	132	0.00
17	t	2,6-Dinitrotoluene	0.137	0.146	-6.6	157	0.00
18	i	Acenaphthene-d10	1.000	1.000	0.0	140	0.00
19	t	Acenaphthene	1.316	1.263	4.0	137	0.00
20	t	2,4-Dinitrotoluene	0.271	0.345	-27.3#	176	0.00
21	t	Fluorene	1.471	1.389	5.6	134	0.00
22	s	2,4,6-Tribromophenol	0.198	0.206	-4.0	138	0.00
23	i	Phenanthrene-d10	1.000	1.000	0.0	134	0.00
24	T	4,6-Dinitro-o-cresol	*1000.000	1391.121	-39.1#	186	0.00
25	t	Hexachlorobenzene	0.264	0.253	4.2	130	0.00
26	t	Pentachlorophenol	*1000.000	775.573	22.4#	98	0.00
27	t	Phenanthrene	1.180	1.145	3.0	132	0.00
28	t	Anthracene	1.096	1.056	3.6	127	0.00
29	t	Fluoranthene	1.302	1.230	5.5	127	0.00
30	T	Benzidine	*1000.000	819.932	18.0	101	0.00
31	T	Pyrene	1.382	1.297	6.2	125	0.00
32	s	4-Terphenyl-d14	0.994	0.851	14.4	118	0.00
33	i	Chrysene-d12	1.000	1.000	0.0	124	0.00
34	t	Benzo[a]anthracene	*1000.000	925.257	7.5	111	0.00
35	t	3,3'-Dichlorobenzidine	0.455	0.460	-1.1	124	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV106\250625RVTsim\
Data File : SIM0625n.D
Acq On : 25 Jun 2025 9:34 pm
Operator : SV106:rp
Sample : WG2083521-3,32,,CCV 11700 rap0621D
Misc : WG2083521,,ICAL22184
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 26 07:38:20 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36	t	Chrysene	1.386	1.333	3.8	121	0.00
37	T	Bis(2-ethylhexyl)phthalate	*1000.000	1043.785	-4.4	127	0.00
38	i	Perylene-d12	1.000	1.000	0.0	123	0.00
39	t	Benzo[b]fluoranthene	1.152	1.076	6.6	113	0.00
40	t	Benzo[k]fluoranthene	0.995	1.049	-5.4	115	0.00
41	t	Benzo[a]pyrene	0.933	0.969	-3.9	115	0.00
42	t	Indeno[1,2,3-cd]pyrene	1.044	1.033	1.1	117	0.00
43	t	Dibenzo[a,h]anthracene	0.950	1.070	-12.6	121	0.00
44	t	Benzo[g,h,i]perylene	1.057	1.034	2.2	118	0.00

* Evaluation of CC level amount vs concentration.
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : SIM0625n.D
Acq On : 25 Jun 2025 9:34 pm
Operator : SV106:rp
Sample : WG2083521-3,32,,CCV 11700 rap0621D
Misc : WG2083521,,ICAL22184
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 26 07:38:20 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.525	152	92333	4000.000	ng/ml	0.00
9) Naphthalene-d8	7.946	136	317893	4000.000	ng/ml	0.00
18) Acenaphthene-d10	9.707	164	181431	4000.000	ng/ml	0.00
23) Phenanthrene-d10	11.143	188	358726	4000.000	ng/ml	0.00
33) Chrysene-d12	13.793	240	318864	4000.000	ng/ml	0.00
38) Perylene-d12	15.262	264	357013	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	4.670	112	22719	968.756	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.44%			
4) Phenol-d6	6.159	99	27008	969.487	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 48.47%			
8) Nitrobenzene-d5	7.176	82	25739	1149.170	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 114.92%			
14) 2-Fluorobiphenyl	9.066	172	67759	945.396	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 94.54%			
22) 2,4,6-Tribromophenol	10.477	330	9344	1038.140	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.91%			
32) 4-Terphenyl-d14	12.726	244	76349	856.564	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 85.66%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	2.217	74	15292	996.554	ng/mL	91
5) Bis(2-chloroethyl)ether	6.253	93	24987	948.387	ng/ml	93
6) Hexachloroethane	7.109	117	11399	929.440	ng/ml	100
7) n-nitrosodi-n-propylamine	7.056	70	17193	927.663	ng/ml	99
10) Naphthalene	7.967	128	82735	939.119	ng/ml	100
11) Hexachlorobutadiene	8.133	225	18358	979.044	ng/ml	99
12) 2-Methylnaphthalene	8.680	142	48222	922.567	ng/ml	100
13) 1-Methylnaphthalene	8.778	142	51137	940.949	ng/ml	99
15) 2-Chloronaphthalene	9.156	162	57848	929.248	ng/ml	100
16) Acenaphthylene	9.561	152	86725	929.487	ng/ml	100
17) 2,6-Dinitrotoluene	9.521	165	11615	1065.983	ng/ml	95
19) Acenaphthene	9.737	153	57303	959.883	ng/ml	100
20) 2,4-Dinitrotoluene	9.913	165	15665	1275.442	ng/ml	90
21) Fluorene	10.238	166	62984	944.065	ng/ml	100
24) 4,6-Dinitro-o-cresol	10.304	198	8966	1391.121	ng/ml	98
25) Hexachlorobenzene	10.780	284	22660M6	956.477	ng/ml	
26) Pentachlorophenol	10.979	266	7448	775.573	ng/ml	99
27) Phenanthrene	11.171	178	102676	969.966	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : SIM0625n.D
Acq On : 25 Jun 2025 9:34 pm
Operator : SV106:rp
Sample : WG2083521-3,32,,CCV 11700 rap0621D
Misc : WG2083521,,ICAL22184
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 26 07:38:20 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28) Anthracene	11.214	178	94697	963.776	ng/ml	100
29) Fluoranthene	12.324	202	110272	944.100	ng/ml	99
30) Benzidine	12.475	184	39009	819.932	ng/mL	99
31) Pyrene	12.545	202	116354	938.762	ng/ml	100
34) Benzo[a]anthracene	13.778	226	27949	925.257	ng/ml	83
35) 3,3'-Dichlorobenzidine	13.778	252	36667	1011.049	ng/ml#	94
36) Chrysene	13.817	228	106228	961.337	ng/ml	95
37) Bis(2-ethylhexyl)phtha...	13.897	149	45855	1043.785	ng/ml	99
39) Benzo[b]fluoranthene	14.887	252	95998	933.825	ng/ml	99
40) Benzo[k]fluoranthene	14.918	252	93614	1054.225	ng/ml	99
41) Benzo[a]pyrene	15.208	252	86446	1037.581	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	16.248	276	92215M6	989.710	ng/ml	
43) Dibenzo[a,h]anthracene	16.271	278	95518M6	1126.191	ng/ml	
44) Benzo[g,h,i]perylene	16.509	276	92283	977.774	ng/ml	96

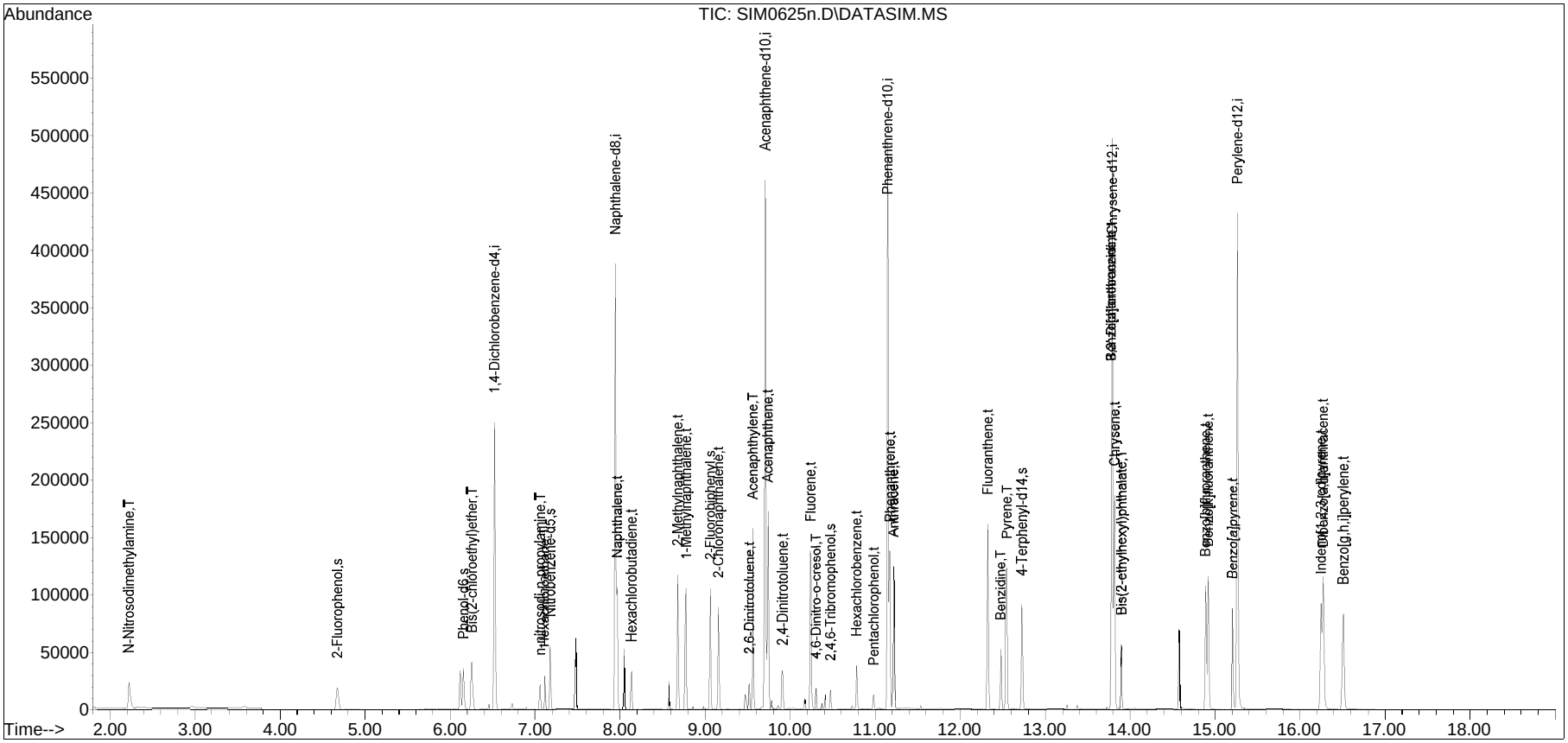
(#) = qualifier out of range (m) = manual integration (+) = signals summed

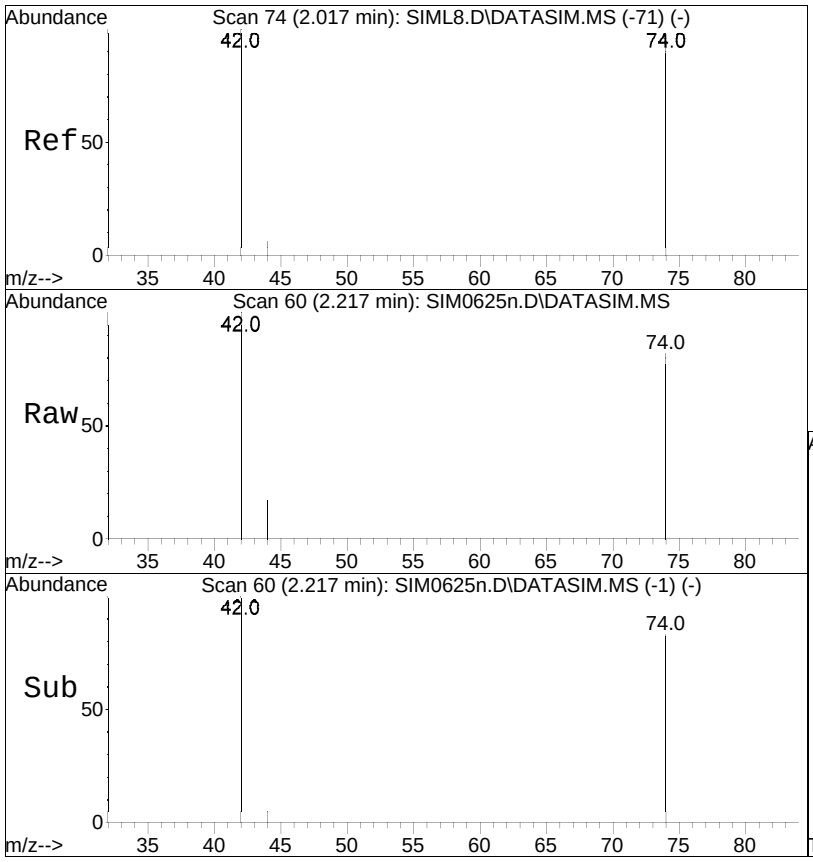
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : SIM0625n.D
Acq On : 25 Jun 2025 9:34 pm
Operator : SV106:rp
Sample : WG2083521-3,32,,CCV 11700 rap0621D
Misc : WG2083521,,ICAL22184
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 26 07:38:20 2025
Quant Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 21:58:52 2025
Response via : Initial Calibration

Sub List : Default - All compounds listed

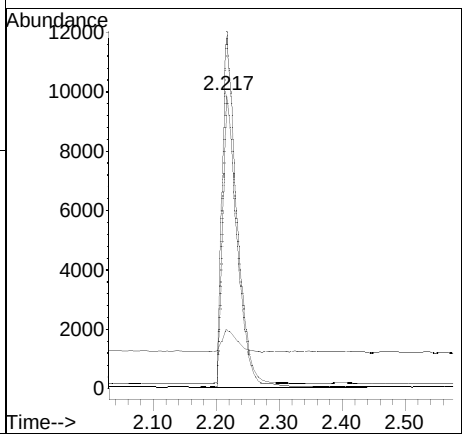


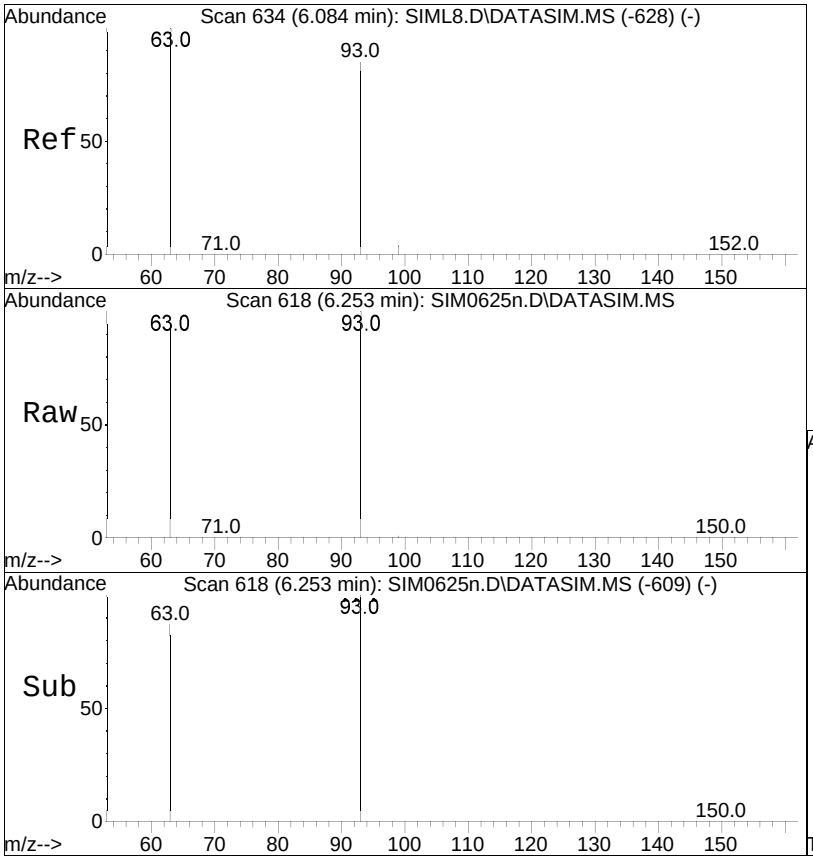


#2
N-Nitrosodimethylamine
Concen: 996.55 ng/mL
RT: 2.217 min Scan# 60
Delta R.T. -0.022 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion: 74 Resp: 15292

Ion	Ratio	Lower	Upper
74	100		
42	118.0	86.5	129.7
44	8.4	5.9	8.9

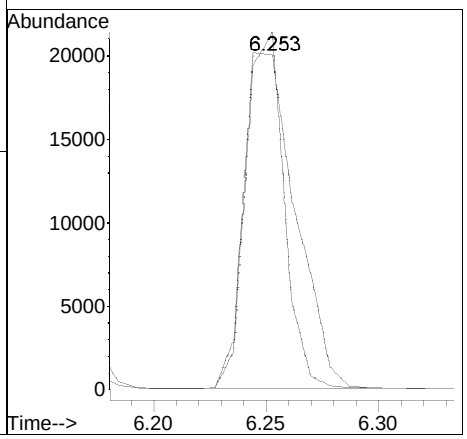


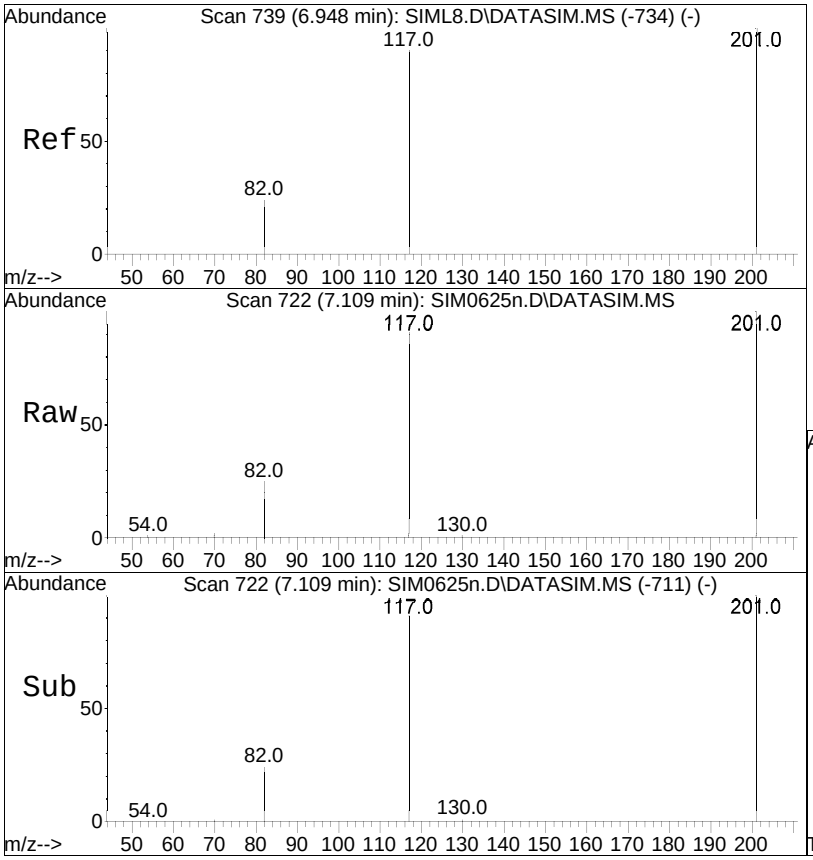


#5
Bis(2-chloroethyl)ether
Concen: 948.39 ng/ml
RT: 6.253 min Scan# 618
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion: 93 Resp: 24987

Ion	Ratio	Lower	Upper
93	100		
63	128.0	95.9	143.9

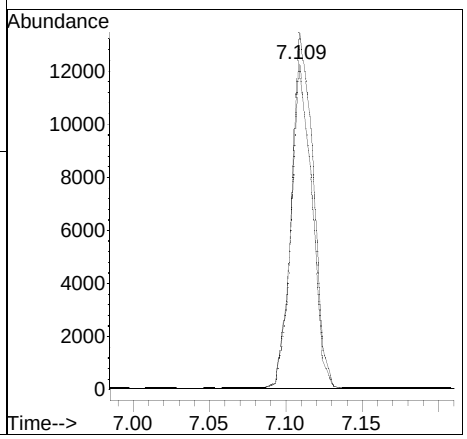


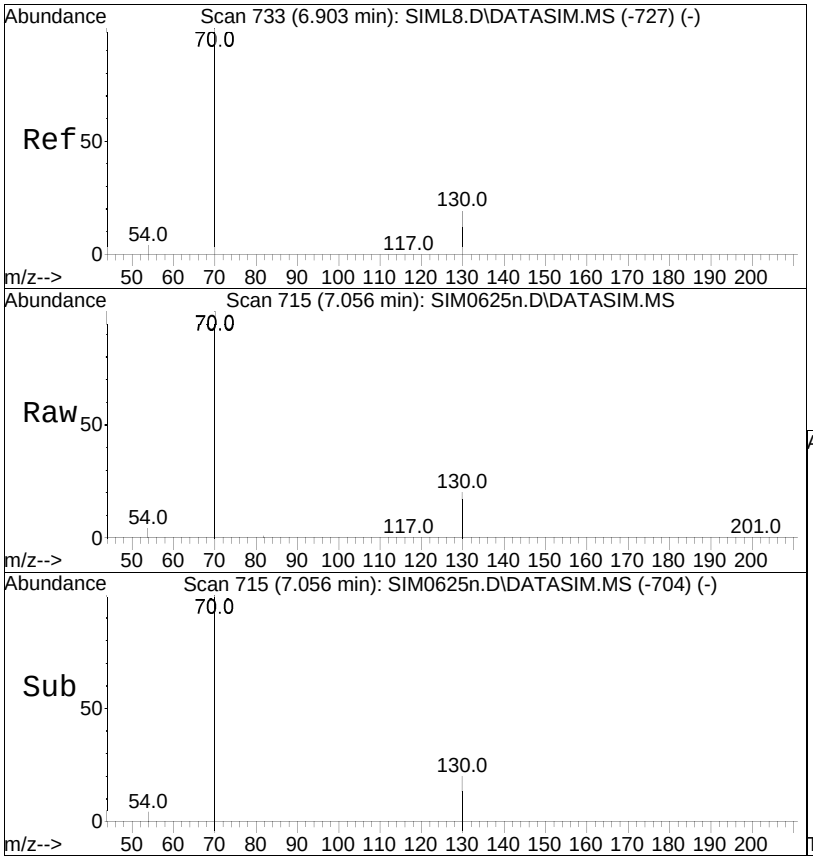


#6
Hexachloroethane
Concen: 929.44 ng/ml
RT: 7.109 min Scan# 722
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:117 Resp: 11399

Ion	Ratio	Lower	Upper
117	100		
201	113.1	90.8	136.2

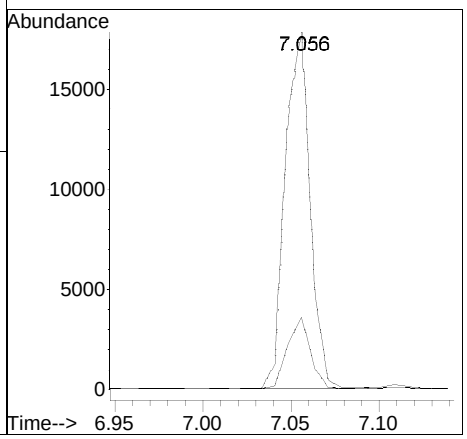


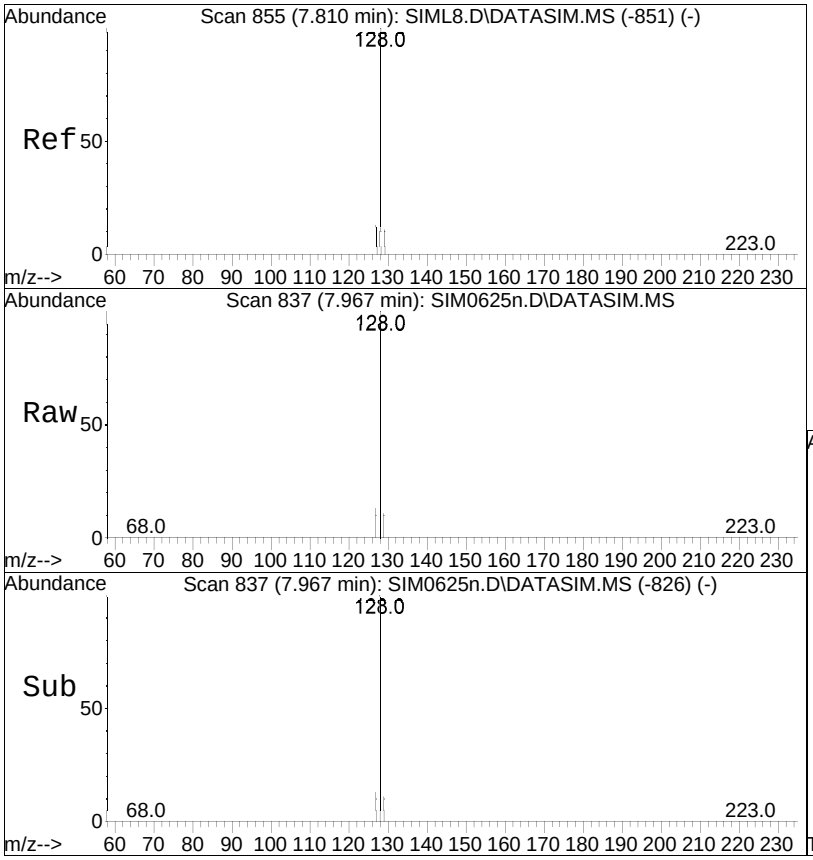


#7
n-nitrosodi-n-propylamine
Concen: 927.66 ng/ml
RT: 7.056 min Scan# 715
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion: 70 Resp: 17193

Ion	Ratio	Lower	Upper
70	100		
130	18.6	15.2	22.8

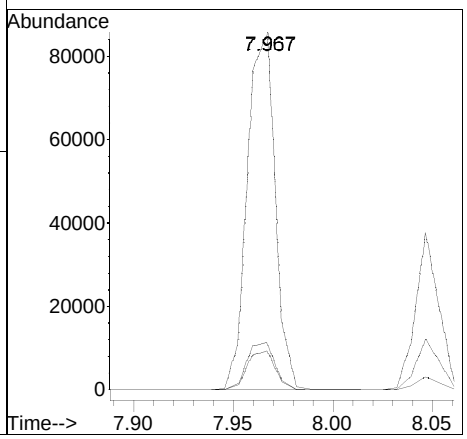


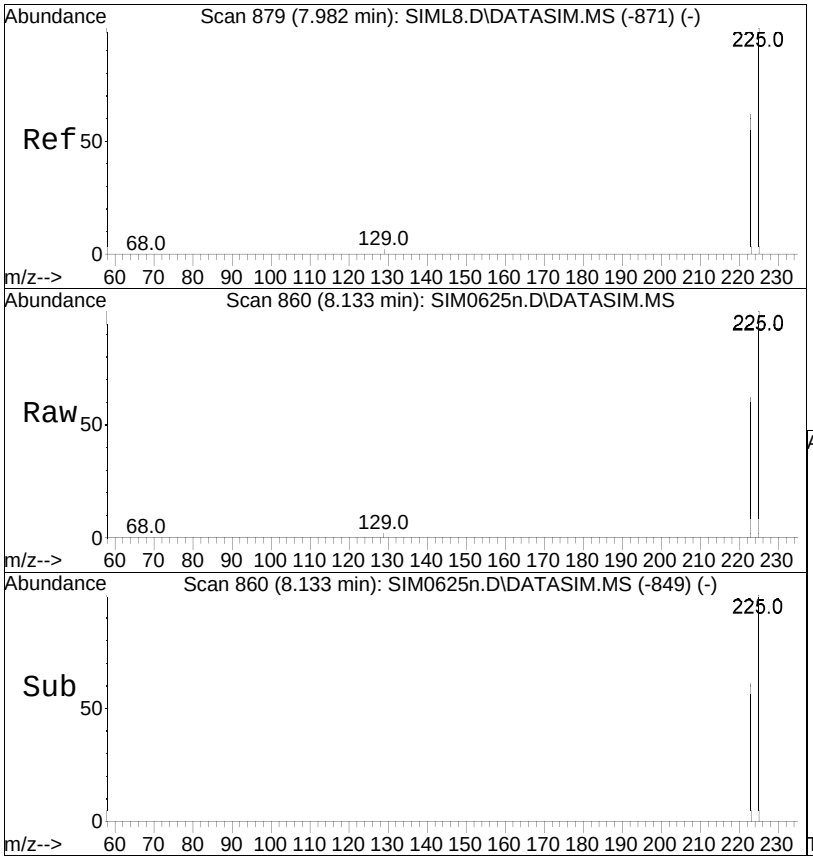


#10
Naphthalene
Concen: 939.12 ng/ml
RT: 7.967 min Scan# 837
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:128 Resp: 82735

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.6	16.0

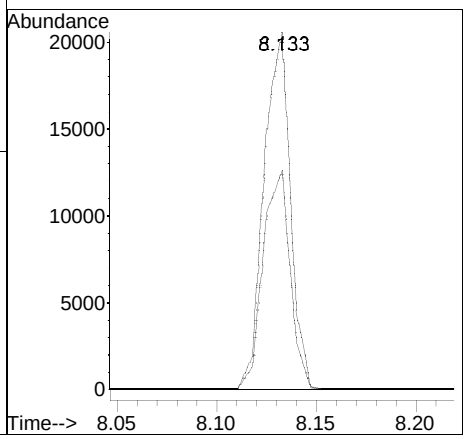


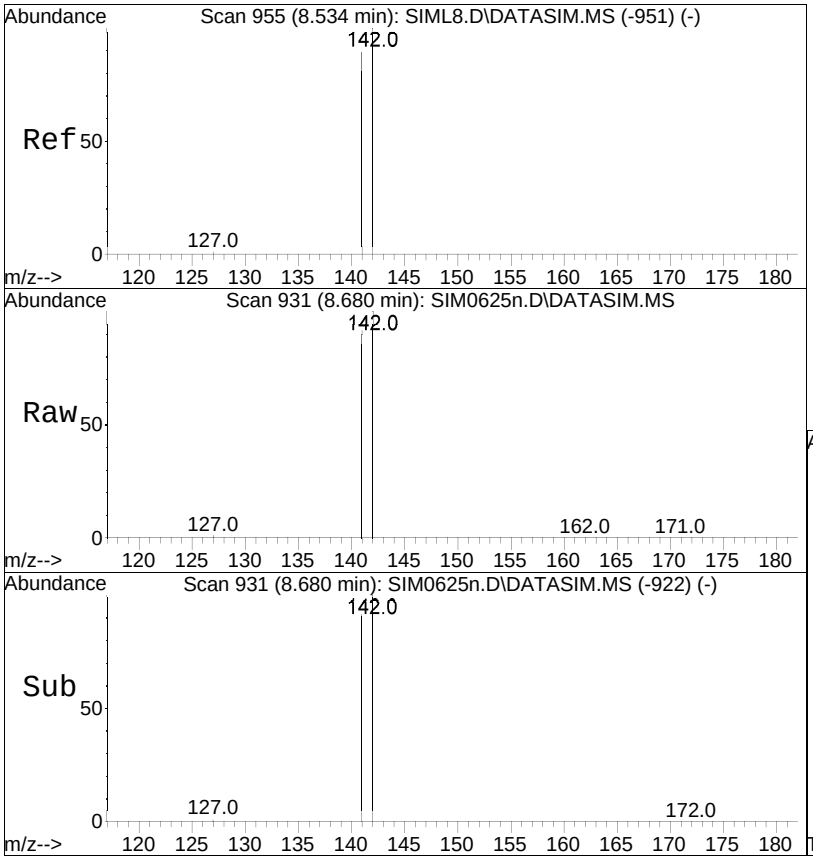


#11
Hexachlorobutadiene
Concen: 979.04 ng/ml
RT: 8.133 min Scan# 860
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:225 Resp: 18358

Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.0	75.0

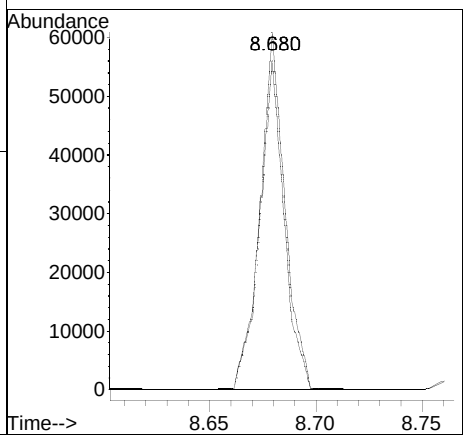


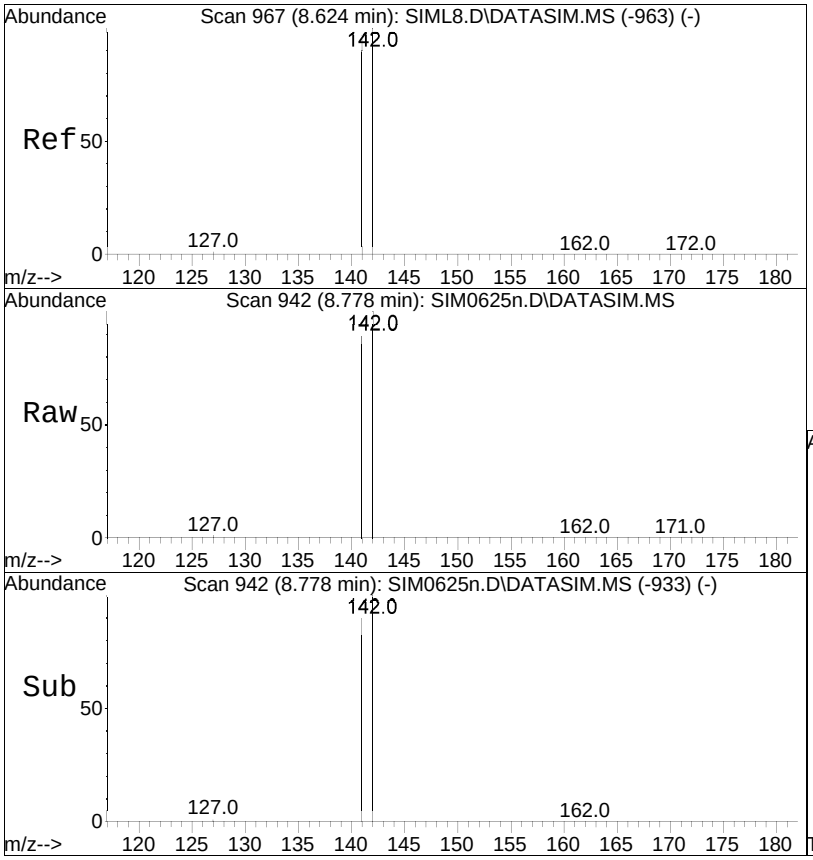


#12
2-Methylnaphthalene
Concen: 922.57 ng/ml
RT: 8.680 min Scan# 931
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:142 Resp: 48222

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

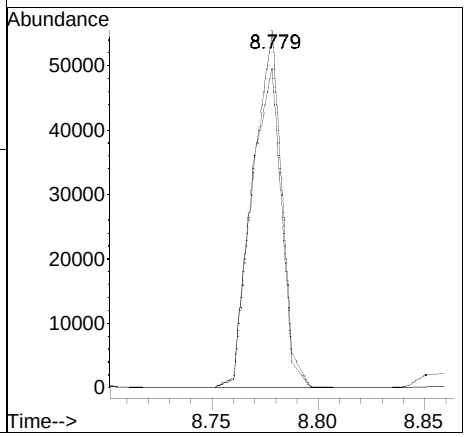


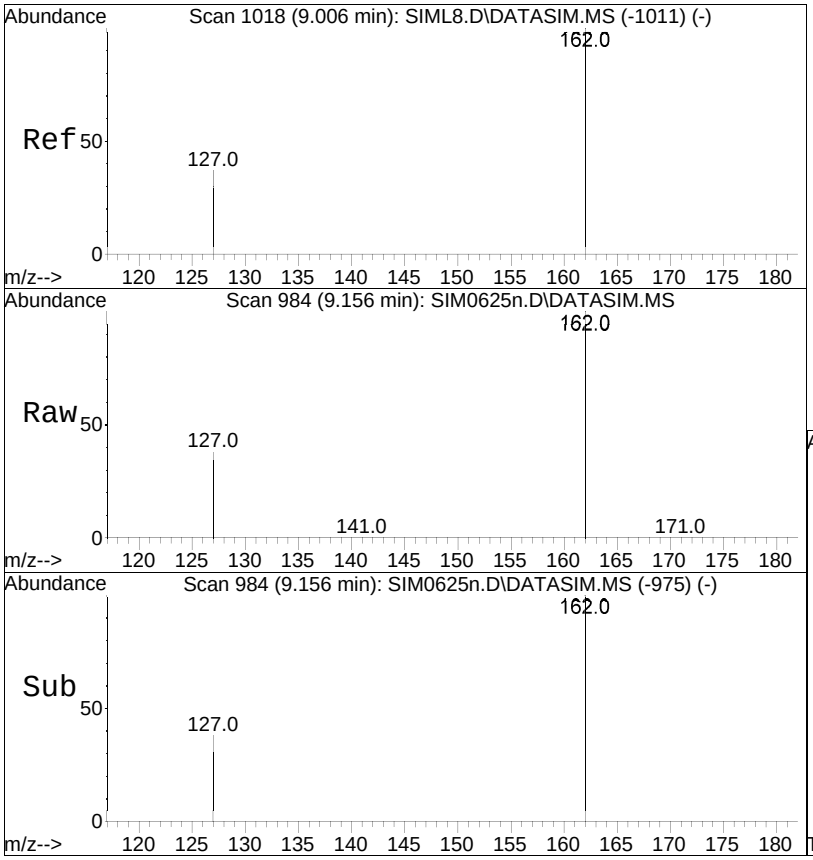


#13
1-Methylnaphthalene
Concen: 940.95 ng/ml
RT: 8.778 min Scan# 942
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:142 Resp: 51137

Ion	Ratio	Lower	Upper
142	100		
141	94.1	75.8	113.8

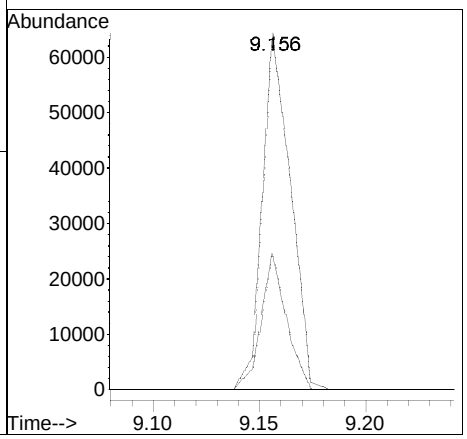


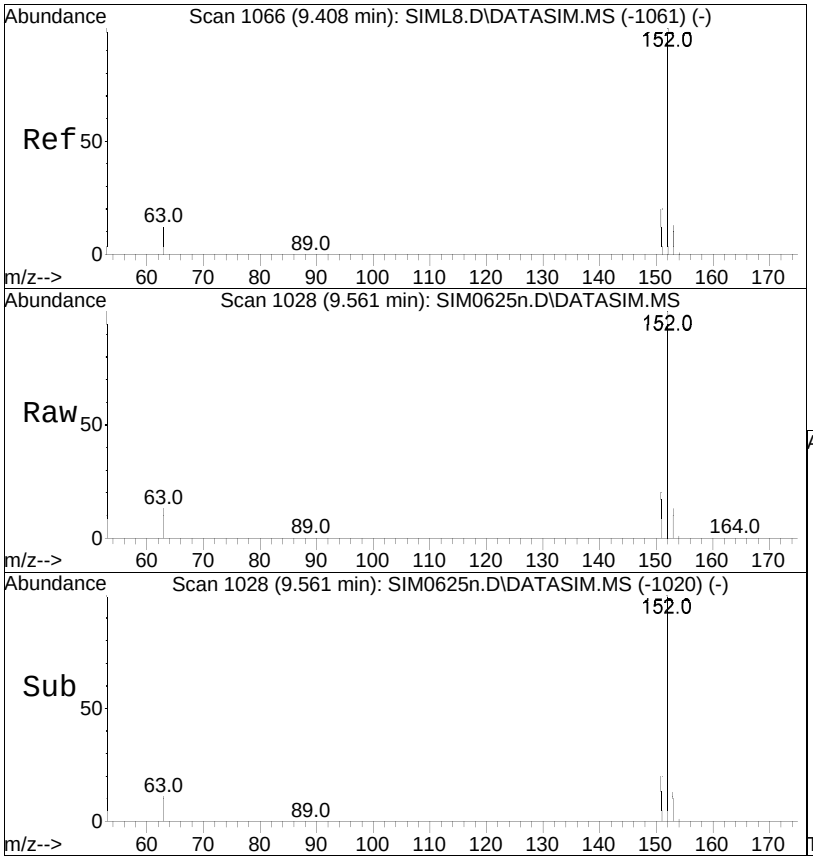


#15
2-Chloronaphthalene
Concen: 929.25 ng/ml
RT: 9.156 min Scan# 984
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:162 Resp: 57848

Ion	Ratio	Lower	Upper
162	100		
127	34.7	27.7	41.5

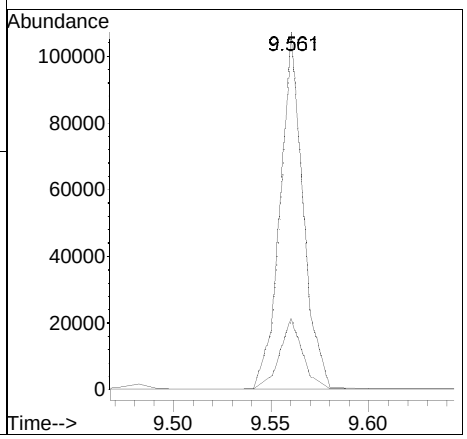


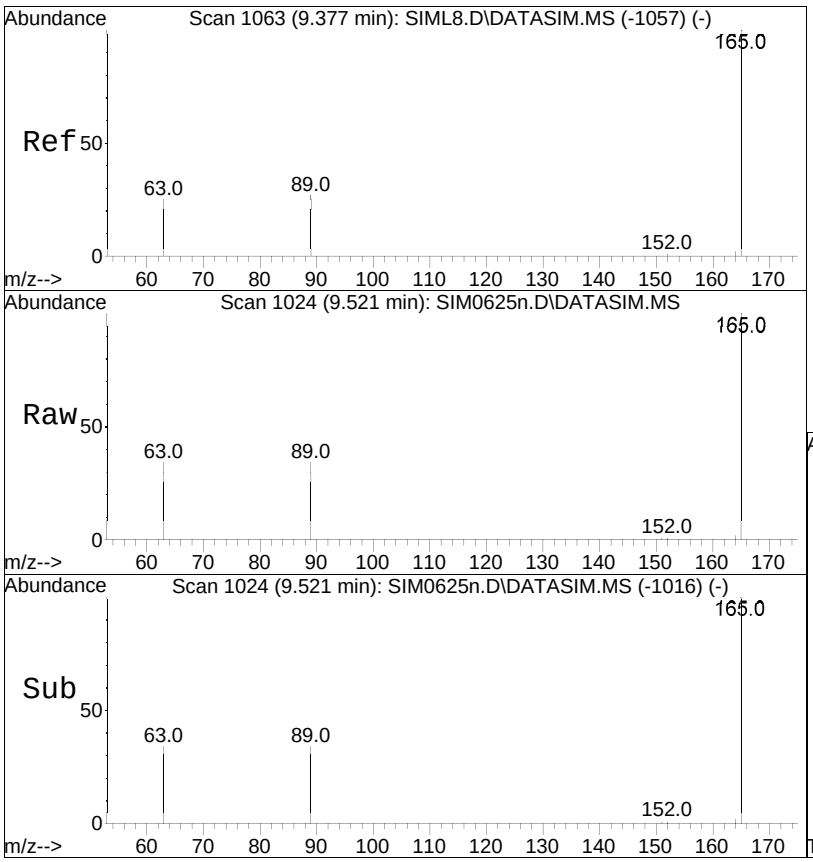


#16
Acenaphthylene
Concen: 929.49 ng/ml
RT: 9.561 min Scan# 1028
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:152 Resp: 86725

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

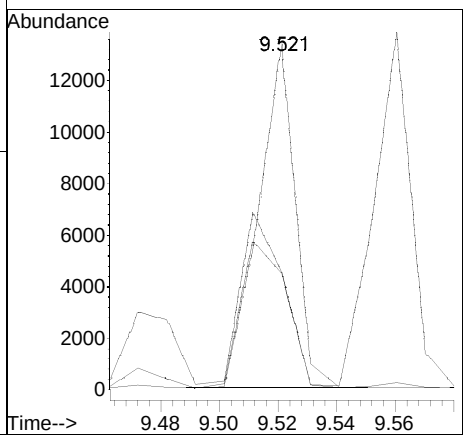


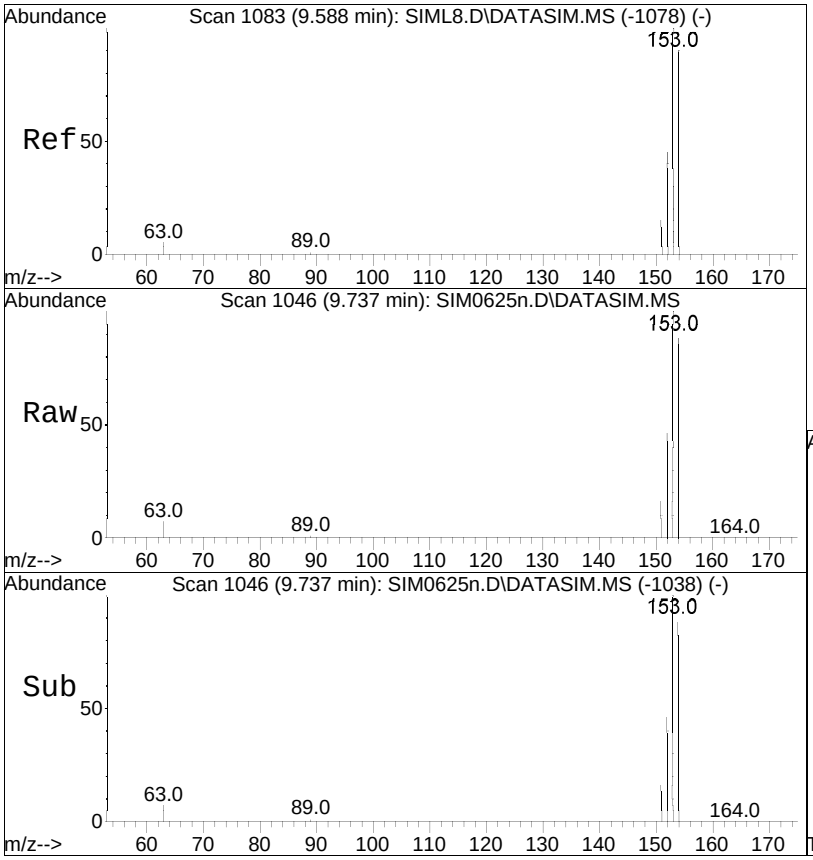


#17
2,6-Dinitrotoluene
Concen: 1065.98 ng/ml
RT: 9.521 min Scan# 1024
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:165 Resp: 11615

Ion	Ratio	Lower	Upper
165	100		
89	53.2	40.8	61.2
63	57.6	42.6	63.8

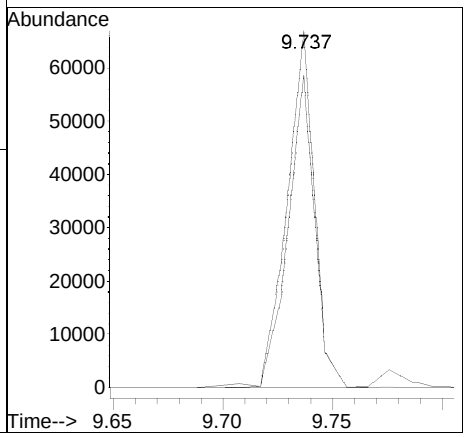


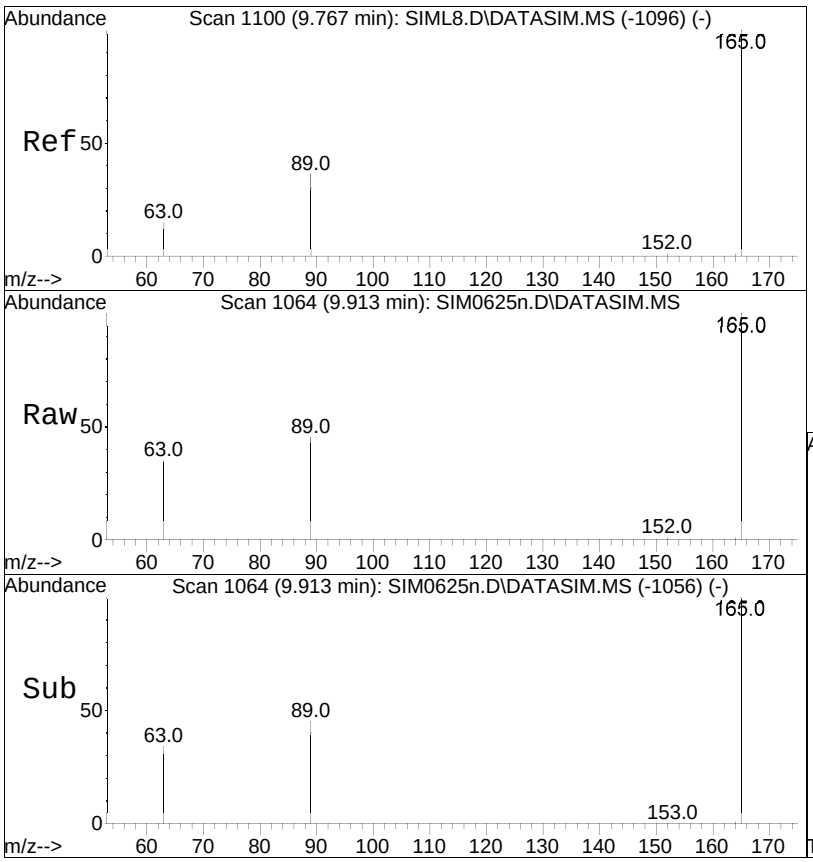


#19
Acenaphthene
Concen: 959.88 ng/ml
RT: 9.737 min Scan# 1046
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:153 Resp: 57303

Ion	Ratio	Lower	Upper
153	100		
154	86.8	69.2	103.8

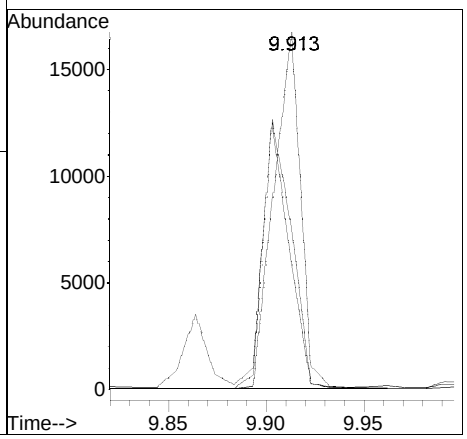


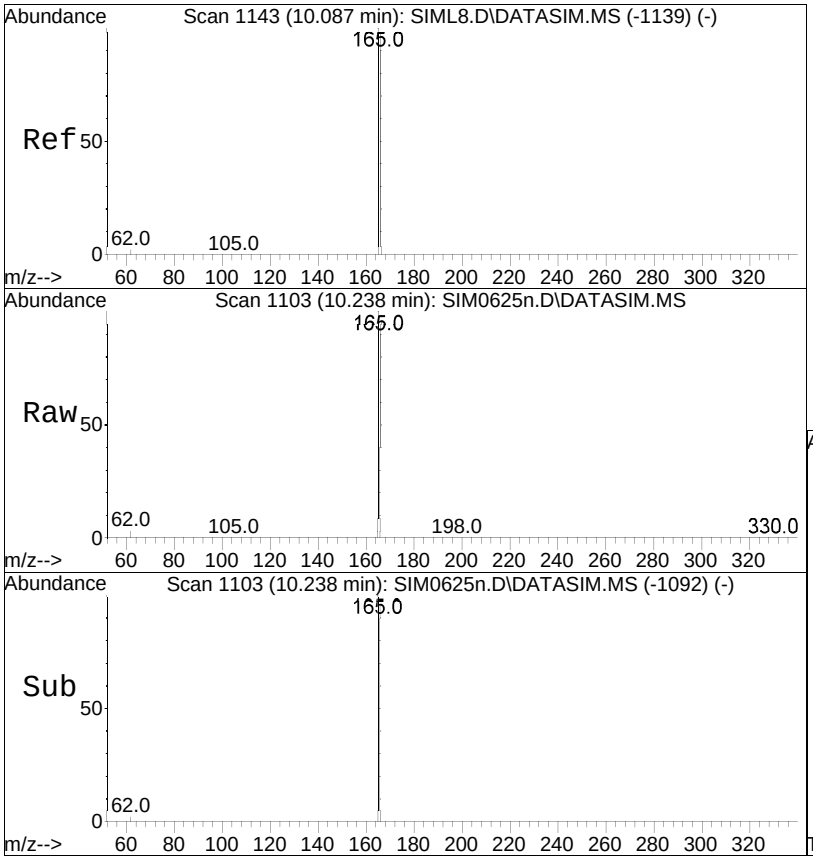


#20
2,4-Dinitrotoluene
Concen: 1275.44 ng/ml
RT: 9.913 min Scan# 1064
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:165 Resp: 15665

Ion	Ratio	Lower	Upper
165	100		
89	78.9	69.8	104.8
63	72.1	65.6	98.4

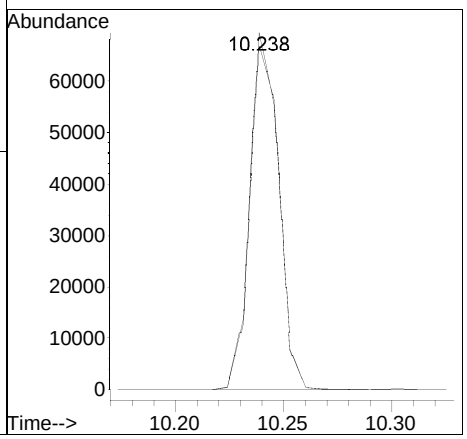


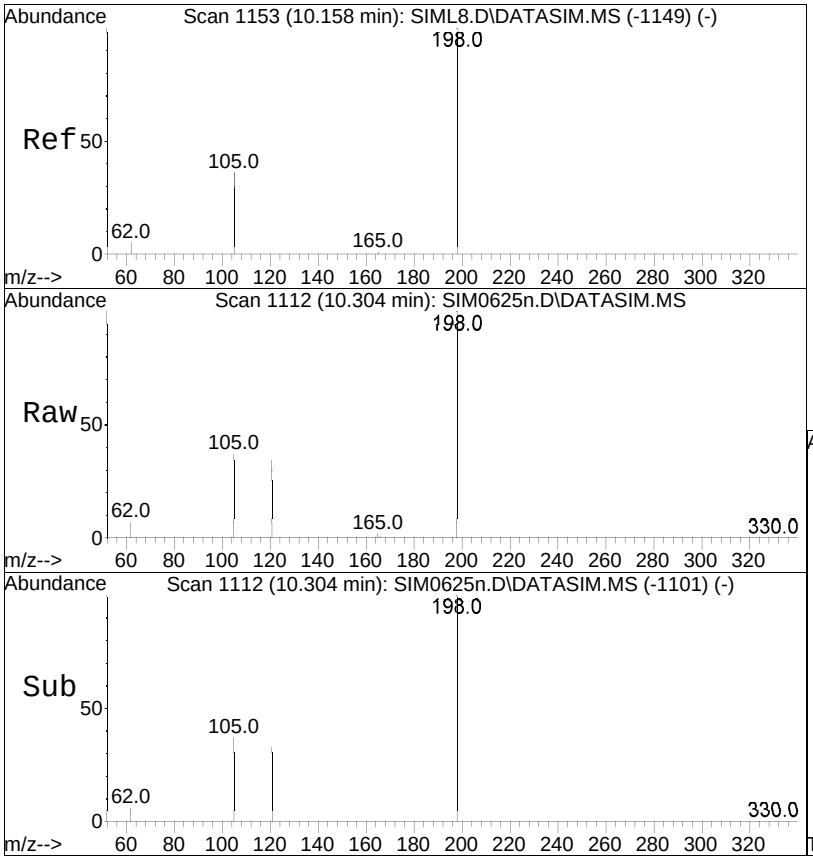


#21
Fluorene
Concen: 944.07 ng/ml
RT: 10.238 min Scan# 1103
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:166 Resp: 62984

Ion	Ratio	Lower	Upper
166	100		
165	101.6	81.0	121.4

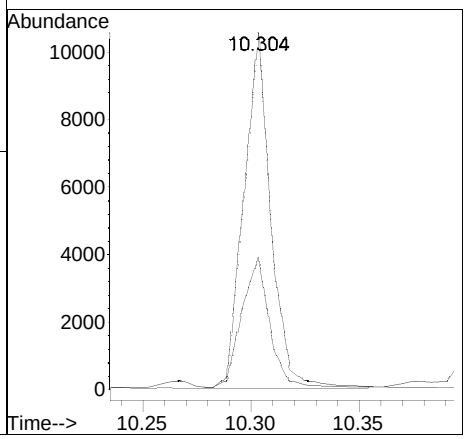


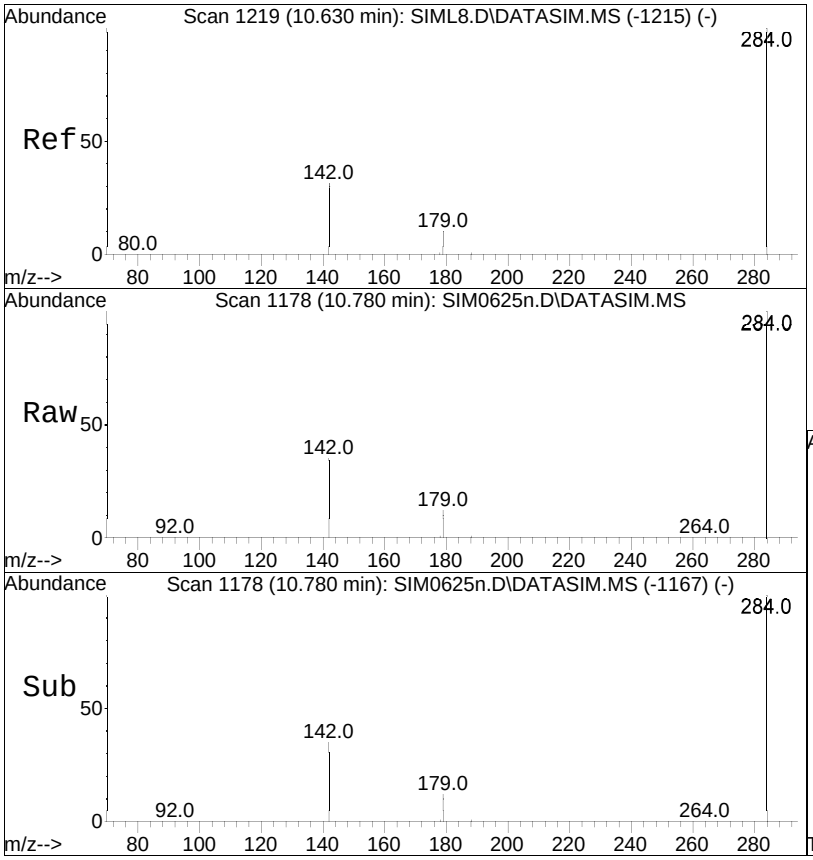


#24
4,6-Dinitro-o-cresol
Concen: 1391.12 ng/ml
RT: 10.304 min Scan# 1112
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:198 Resp: 8966

Ion	Ratio	Lower	Upper
198	100		
105	37.7	31.0	46.6

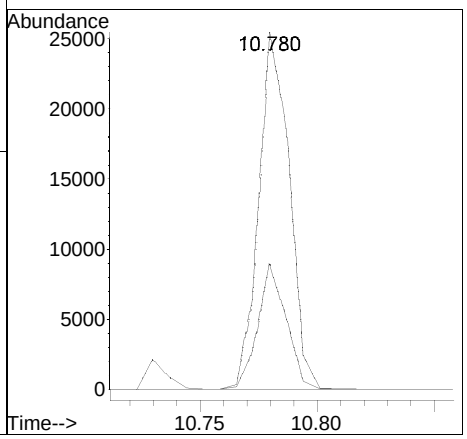


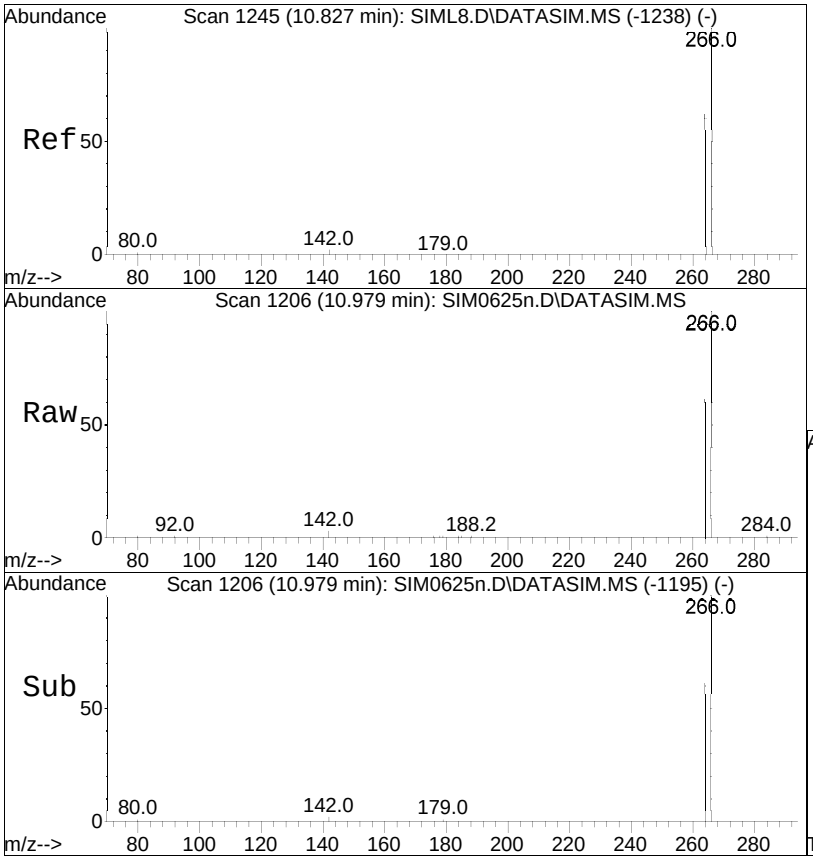


#25
Hexachlorobenzene
Concen: 956.48 ng/ml M6
RT: 10.780 min Scan# 1178
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:284 Resp: 22660

Ion	Ratio	Lower	Upper
284	100		
142	33.2	25.4	38.2

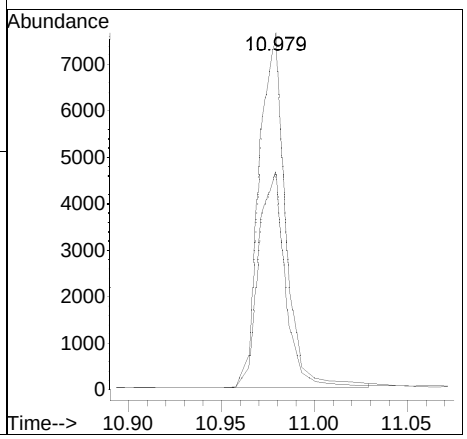


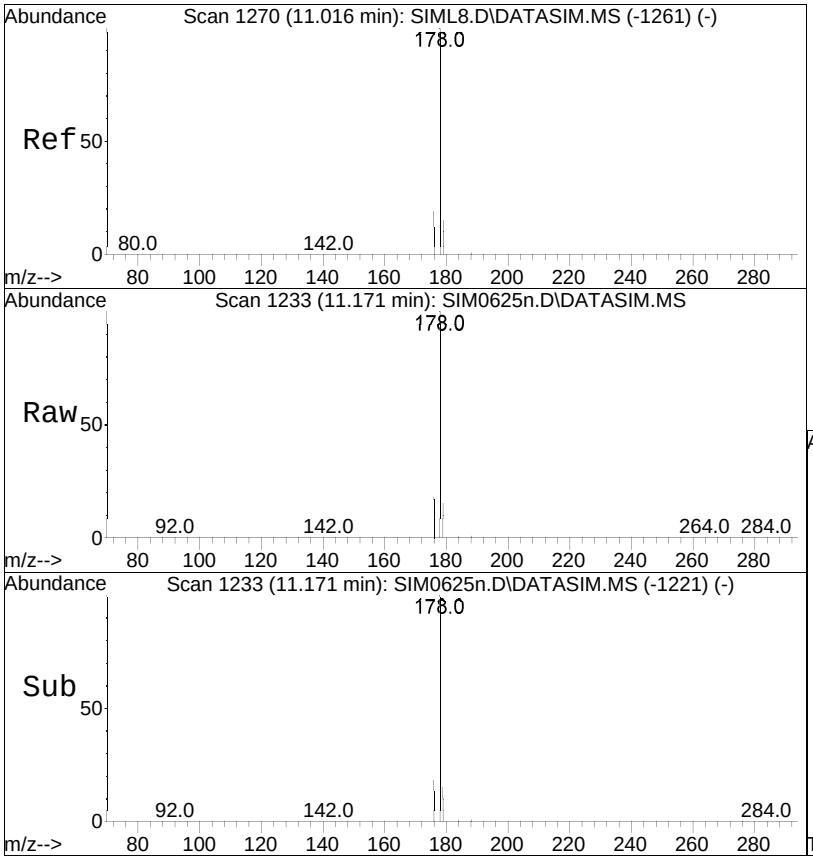


#26
Pentachlorophenol
Concen: 775.57 ng/ml
RT: 10.979 min Scan# 1206
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:266 Resp: 7448

Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.2	75.4

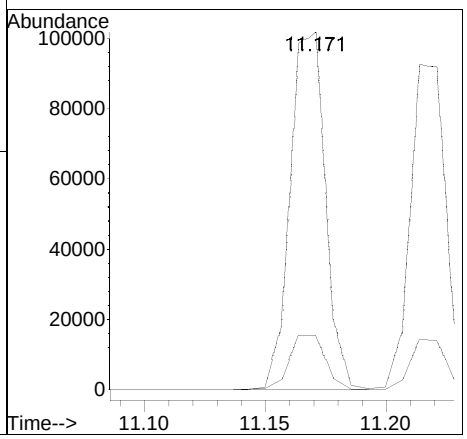


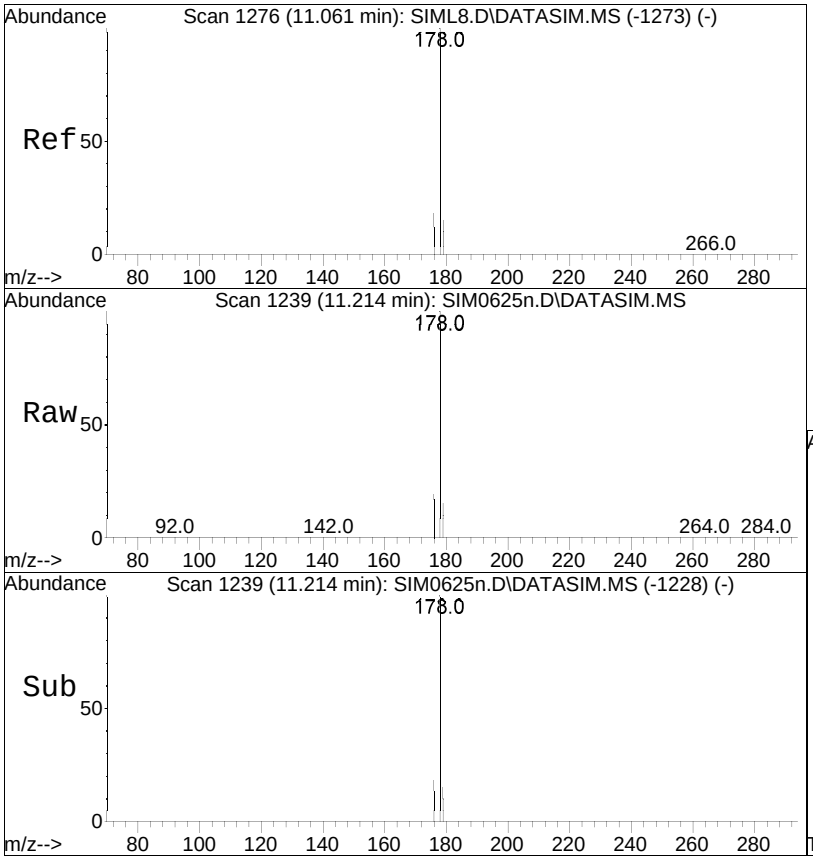


#27
Phenanthrene
Concen: 969.97 ng/ml
RT: 11.171 min Scan# 1233
Delta R.T. 0.007 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:178 Resp: 102676

Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.3	18.5

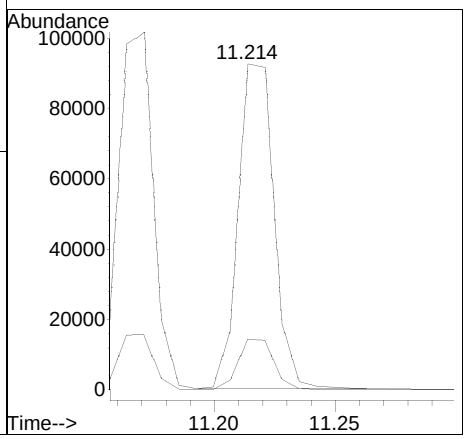


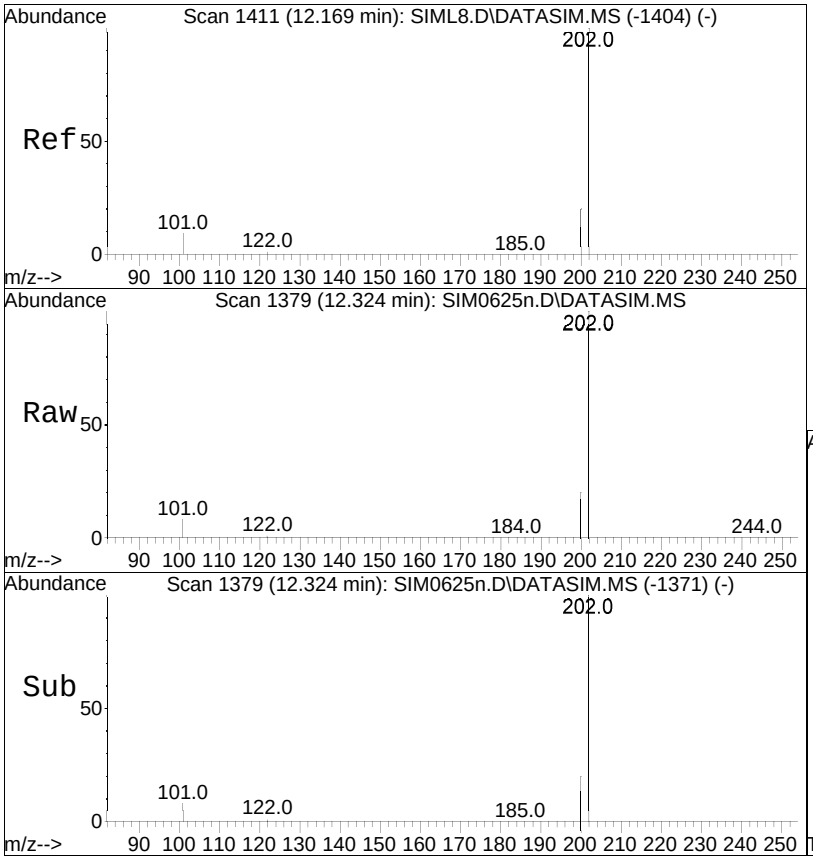


#28
Anthracene
Concen: 963.78 ng/ml
RT: 11.214 min Scan# 1239
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:178 Resp: 94697

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.4

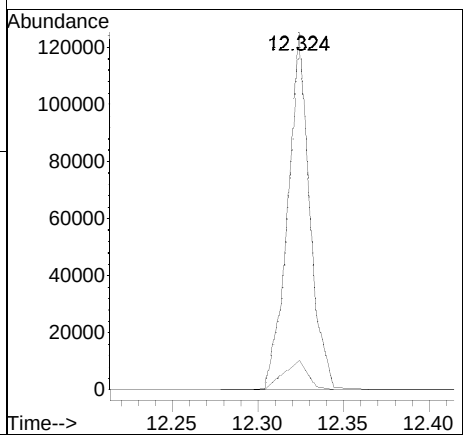


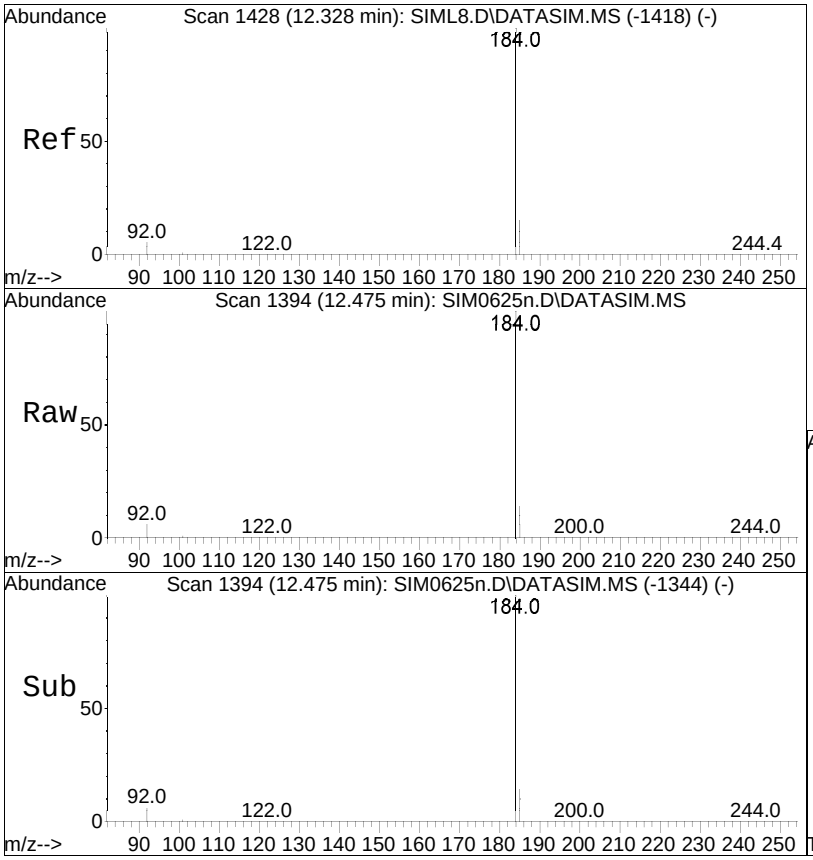


#29
Fluoranthene
Concen: 944.10 ng/ml
RT: 12.324 min Scan# 1379
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:202 Resp: 110272

Ion	Ratio	Lower	Upper
202	100		
101	9.2	7.7	11.5

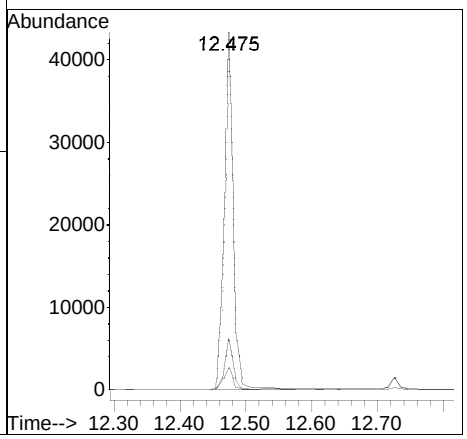


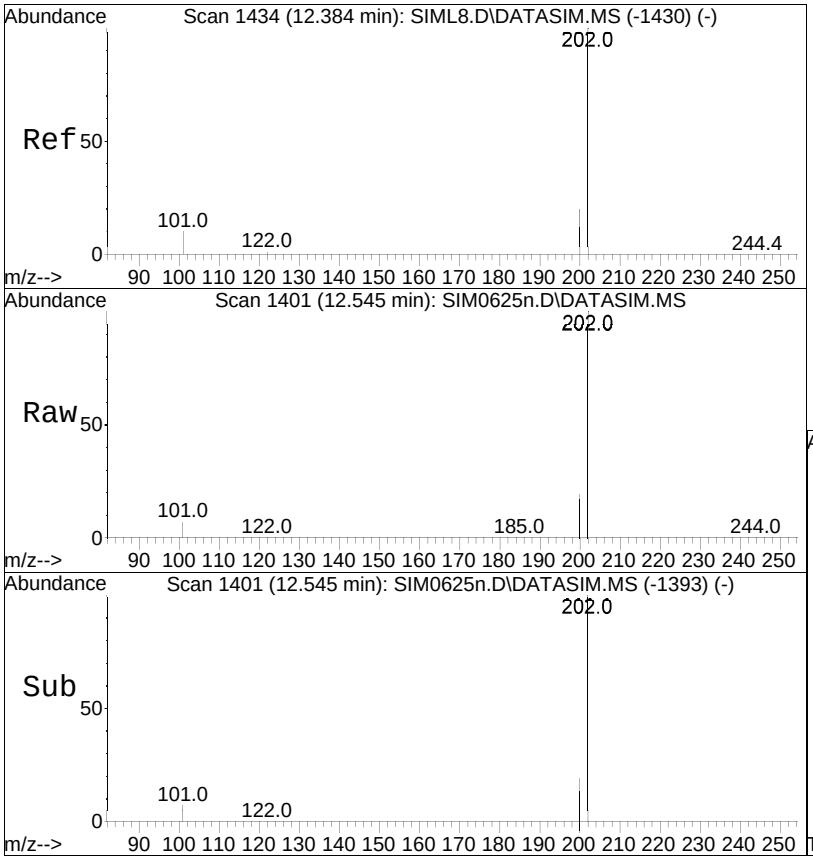


#30
Benzidine
Concen: 819.93 ng/mL
RT: 12.475 min Scan# 1394
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:184 Resp: 39009

Ion	Ratio	Lower	Upper
184	100		
92	6.6	5.4	8.0
185	13.9	11.4	17.2

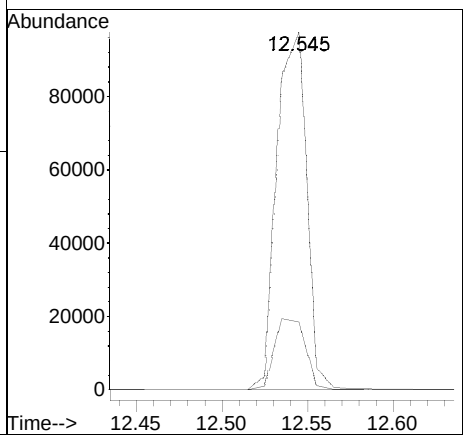


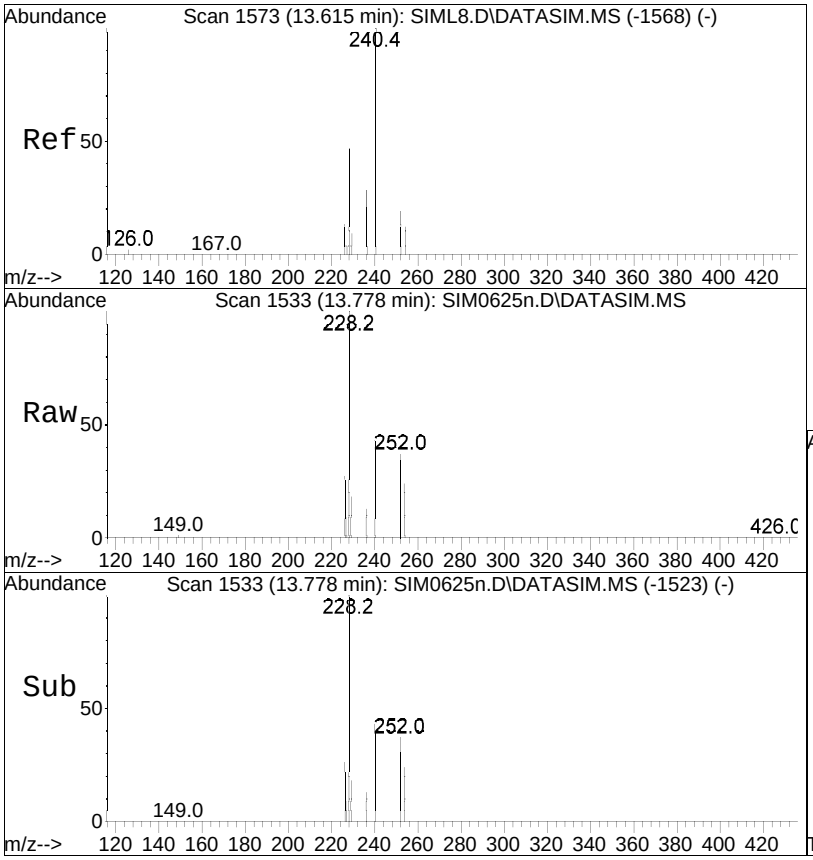


#31
Pyrene
Concen: 938.76 ng/ml
RT: 12.545 min Scan# 1401
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:202 Resp: 116354

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.5	24.7

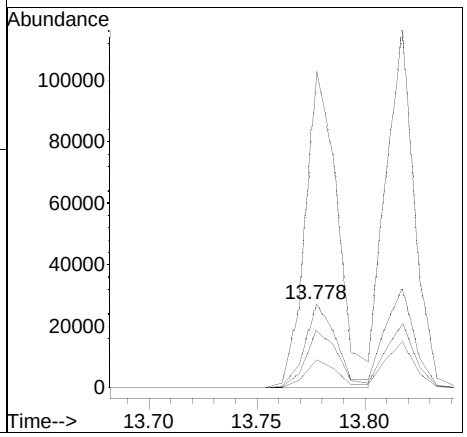


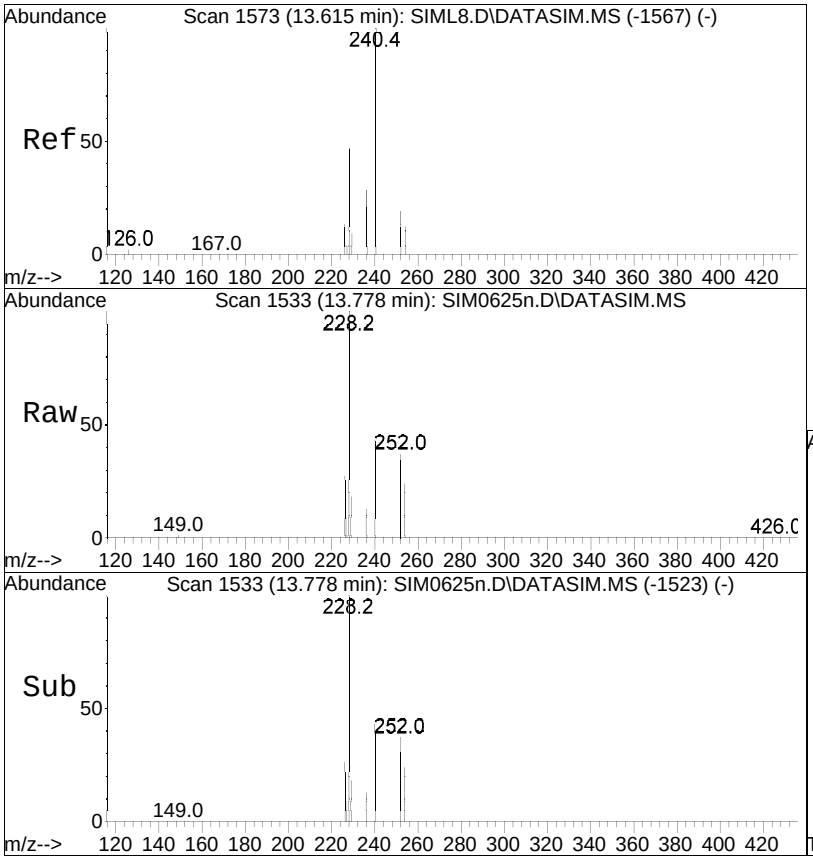


#34
Benzo[a]anthracene
Concen: 925.26 ng/ml
RT: 13.778 min Scan# 1533
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:226 Resp: 27949

Ion	Ratio	Lower	Upper
226	100		
227	32.1	24.1	36.1
228	386.7	275.7	413.5
229	70.2	50.1	75.1

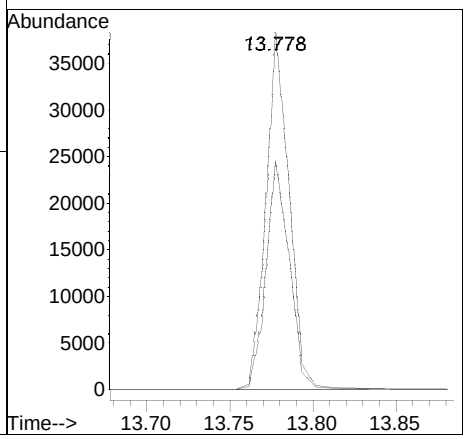


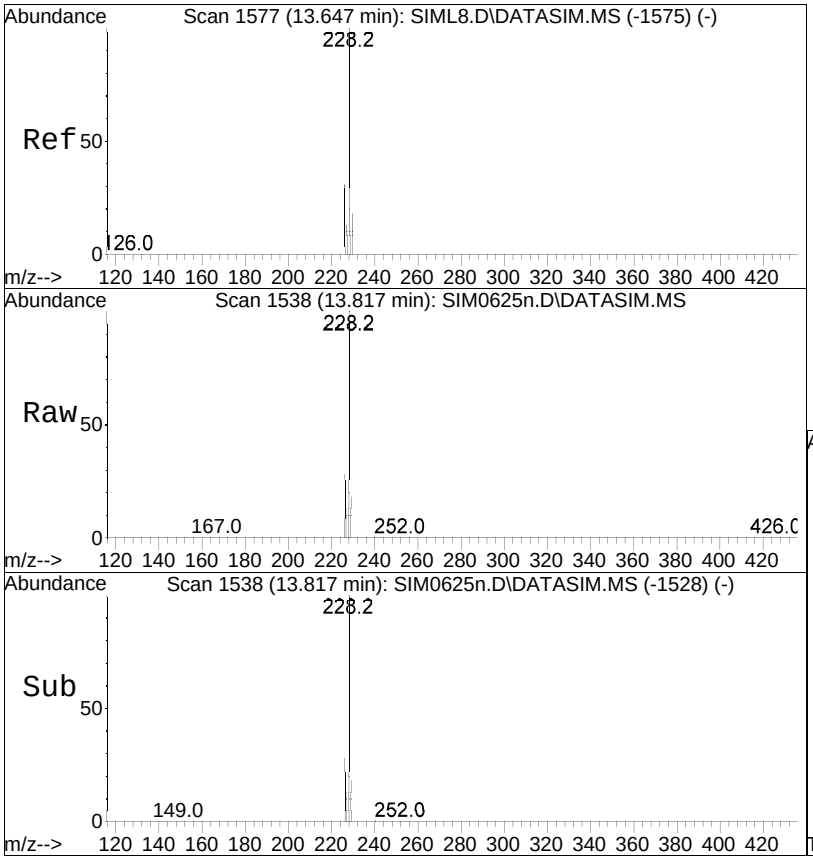


#35
3,3'-Dichlorobenzidine
Concen: 1011.05 ng/ml
RT: 13.778 min Scan# 1533
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:252 Resp: 36667

Ion	Ratio	Lower	Upper
252	100		
126	0.0	10.6	15.8#
254	64.6	52.2	78.2

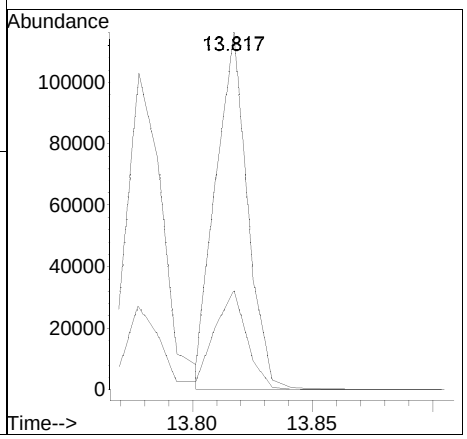


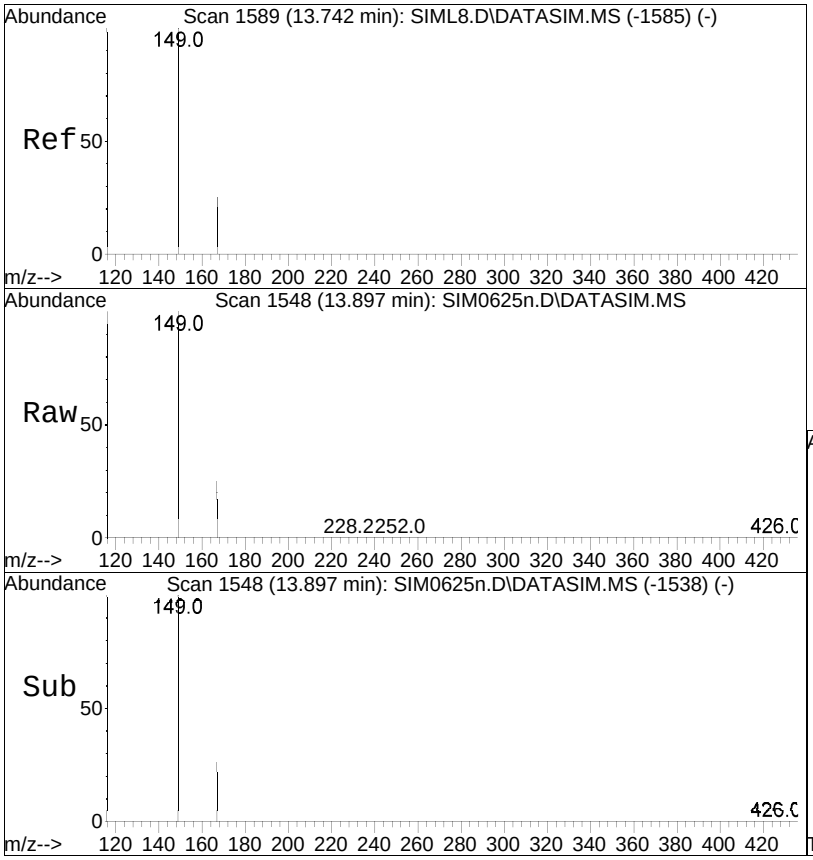


#36
Chrysene
Concen: 961.34 ng/ml
RT: 13.817 min Scan# 1538
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:228 Resp: 106228

Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.9	37.3

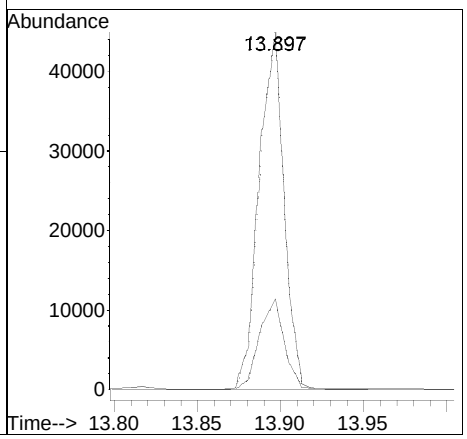


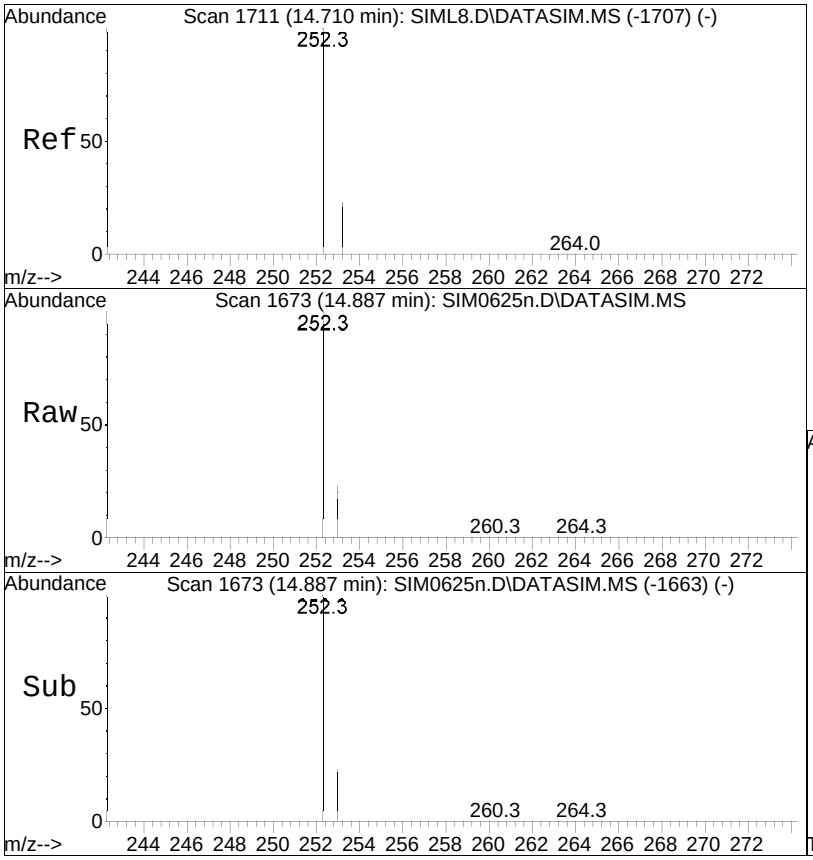


#37
Bis(2-ethylhexyl)phthalate
Concen: 1043.79 ng/ml
RT: 13.897 min Scan# 1548
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:149 Resp: 45855

Ion	Ratio	Lower	Upper
149	100		
167	25.5	19.9	29.9

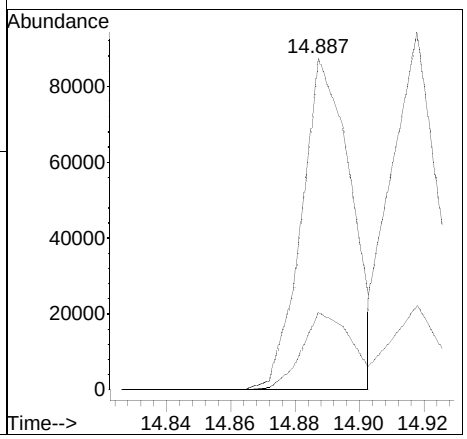


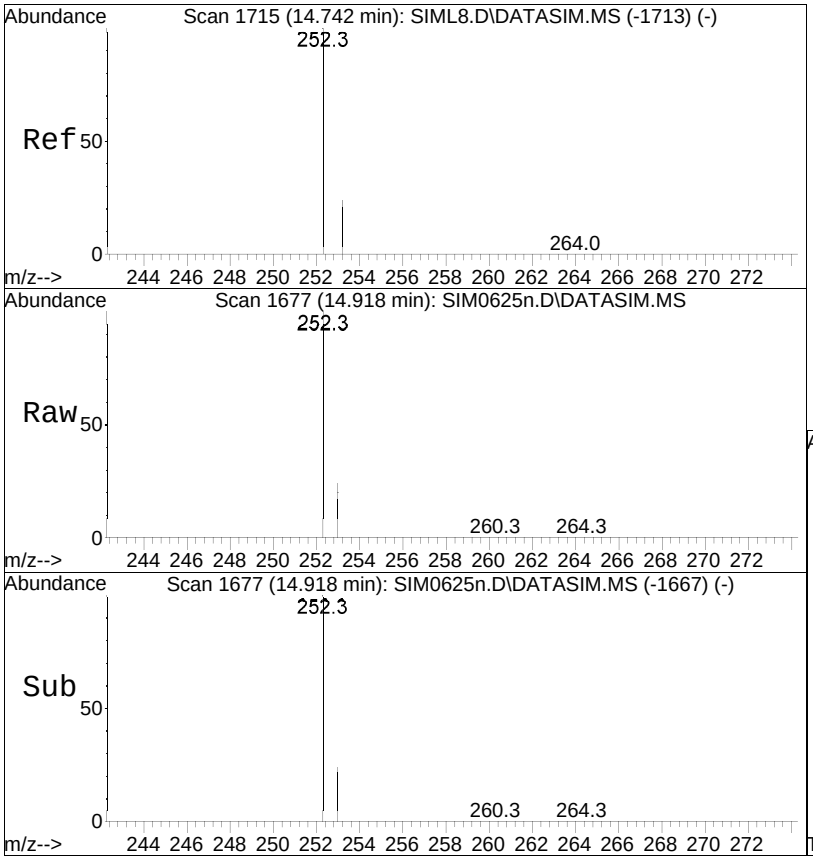


#39
Benzo[b]fluoranthene
Concen: 933.83 ng/ml
RT: 14.887 min Scan# 1673
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:252 Resp: 95998

Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.6	27.8

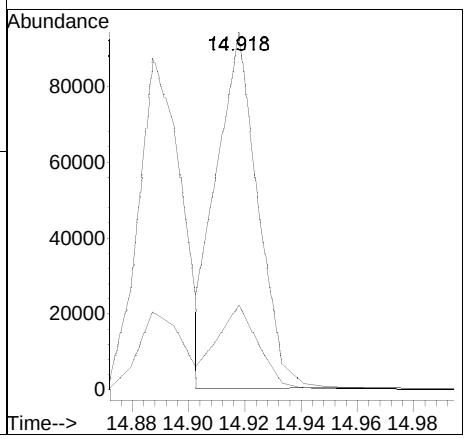


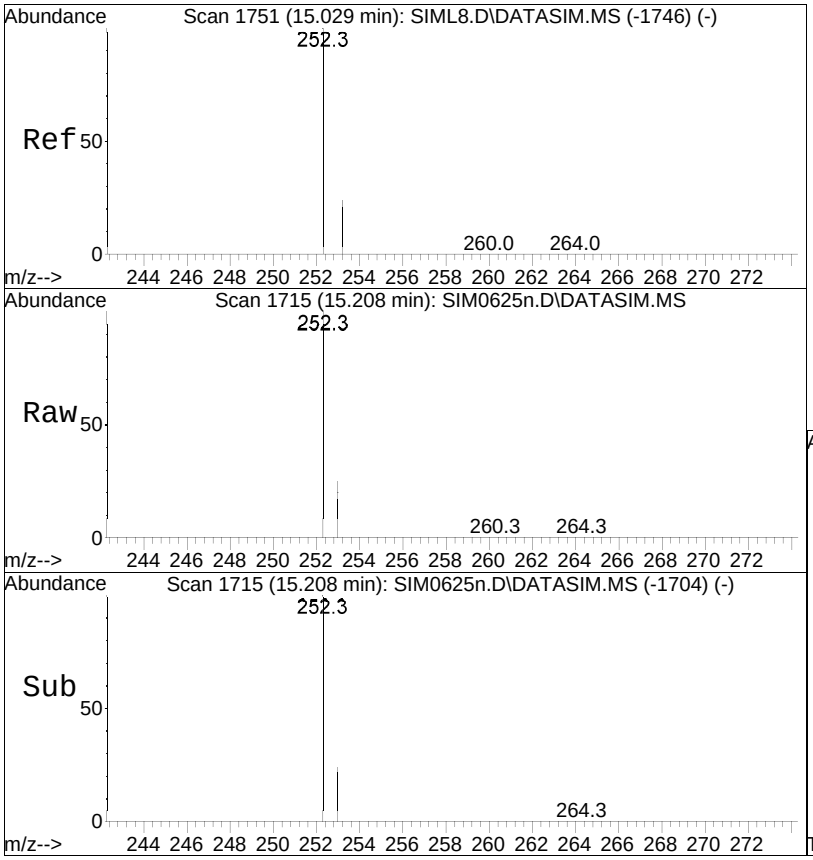


#40
Benzo[k]fluoranthene
Concen: 1054.23 ng/ml
RT: 14.918 min Scan# 1677
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:252 Resp: 93614

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.7	28.1

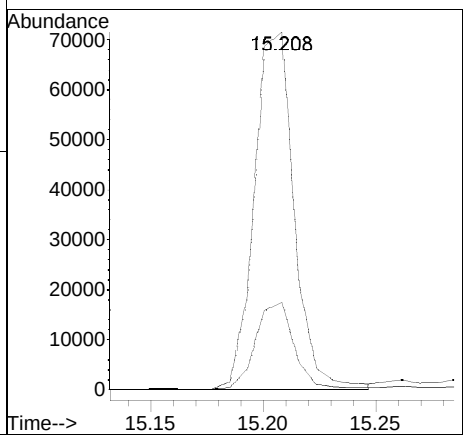


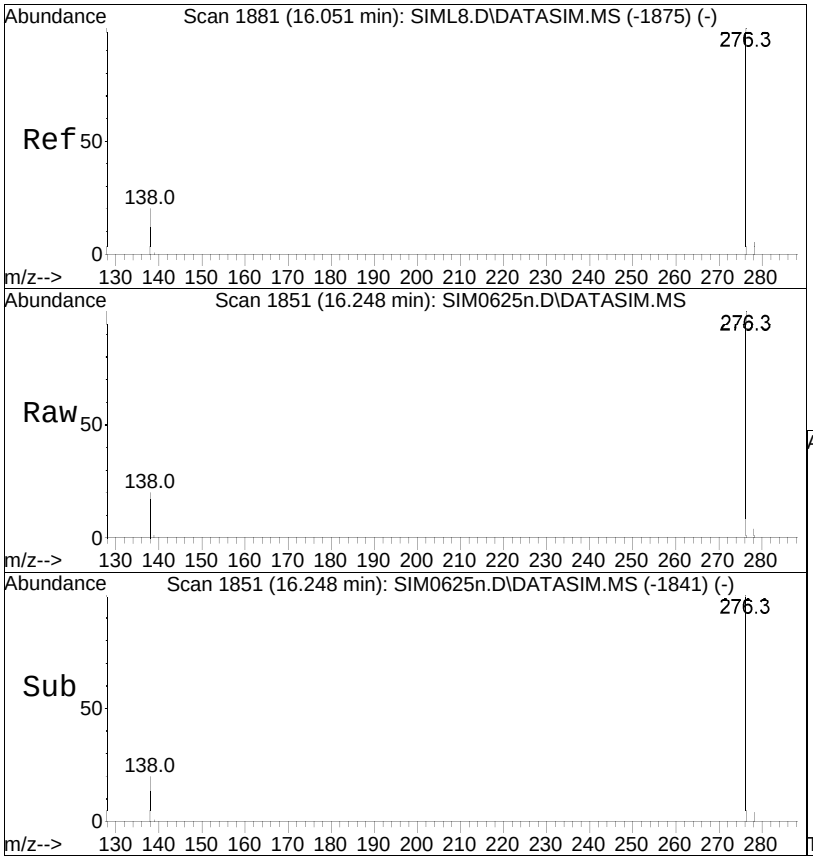


#41
Benzo[a]pyrene
Concen: 1037.58 ng/ml
RT: 15.208 min Scan# 1715
Delta R.T. 0.008 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:252 Resp: 86446

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8

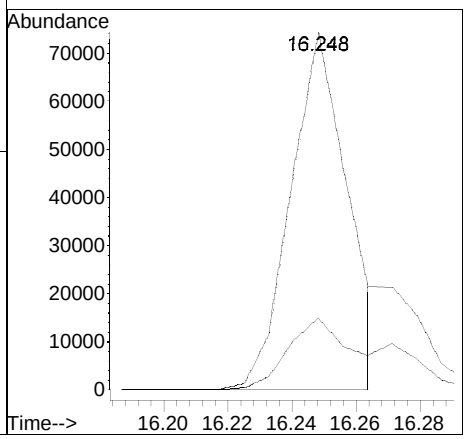


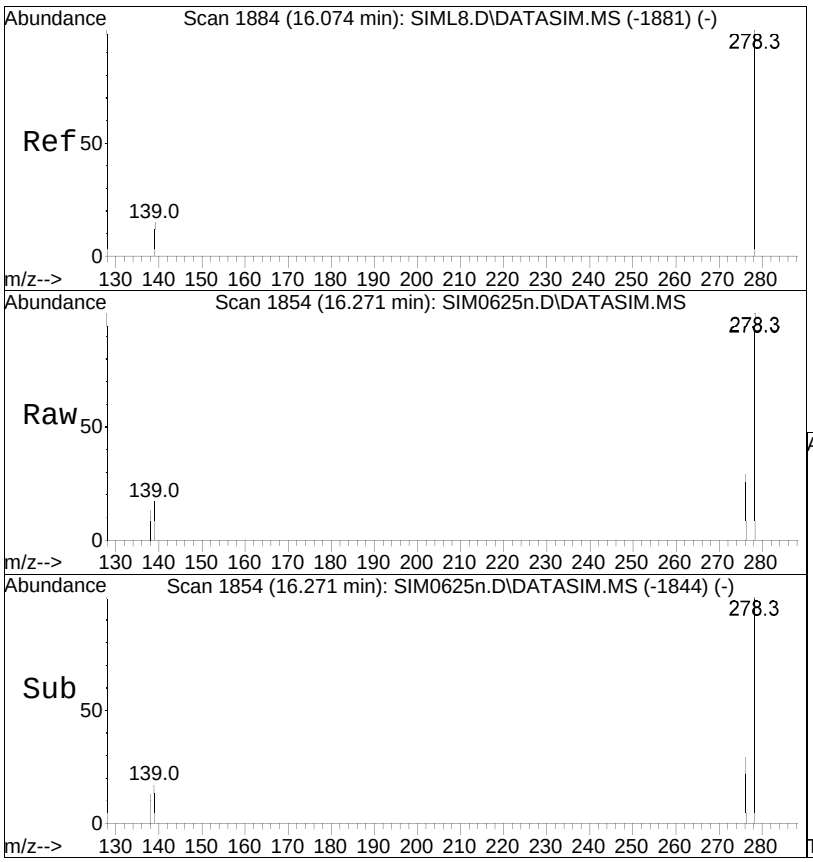


#42
Indeno[1,2,3-cd]pyrene
Concen: 989.71 ng/ml M6
RT: 16.248 min Scan# 1851
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:276 Resp: 92215

Ion	Ratio	Lower	Upper
276	100		
138	31.5	15.8	23.8#

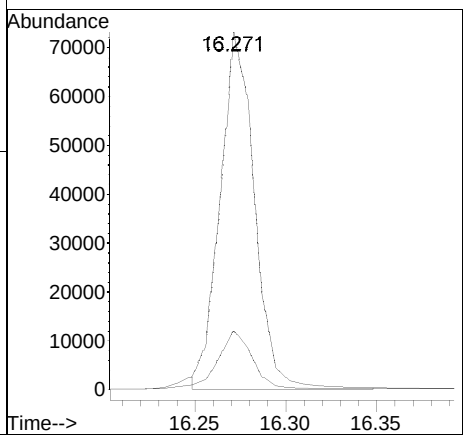


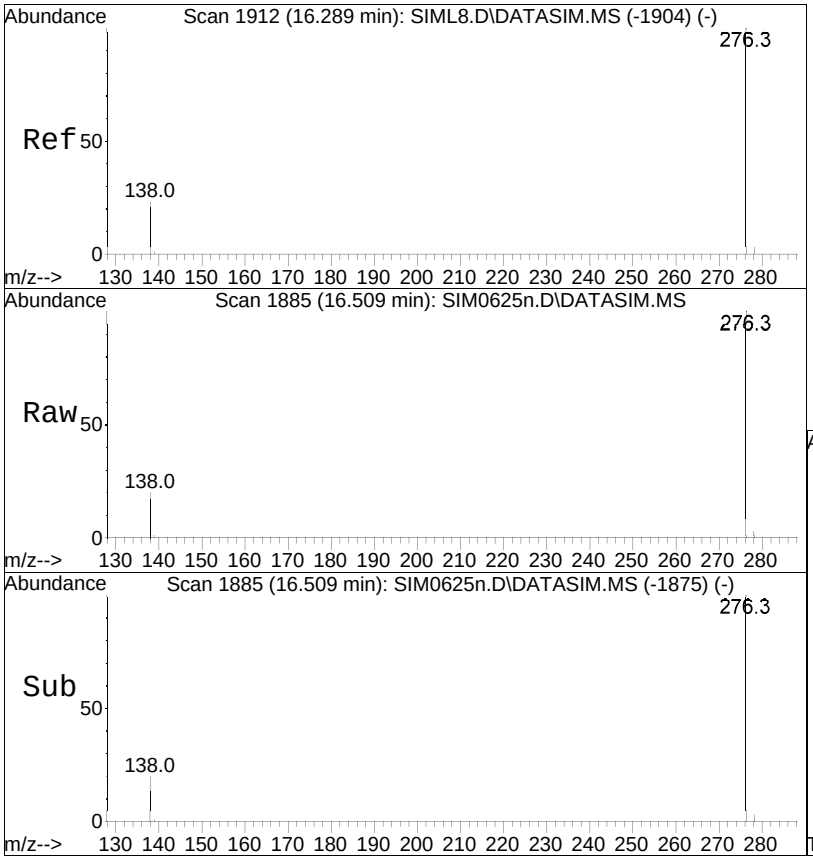


#43
Dibenzo[a,h]anthracene
Concen: 1126.19 ng/ml M6
RT: 16.271 min Scan# 1854
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:278 Resp: 95518

Ion	Ratio	Lower	Upper
278	100		
139	16.5	12.1	18.1

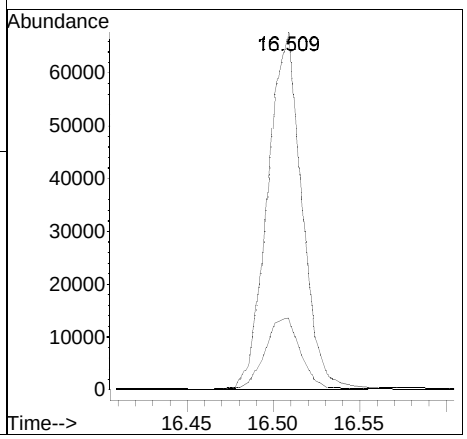




#44
Benzo[g,h,i]perylene
Concen: 977.77 ng/ml
RT: 16.509 min Scan# 1885
Delta R.T. -0.000 min
Lab File: SIM0625n.D
Acq: 25 Jun 2025 9:34 pm

Tgt Ion:276 Resp: 92283

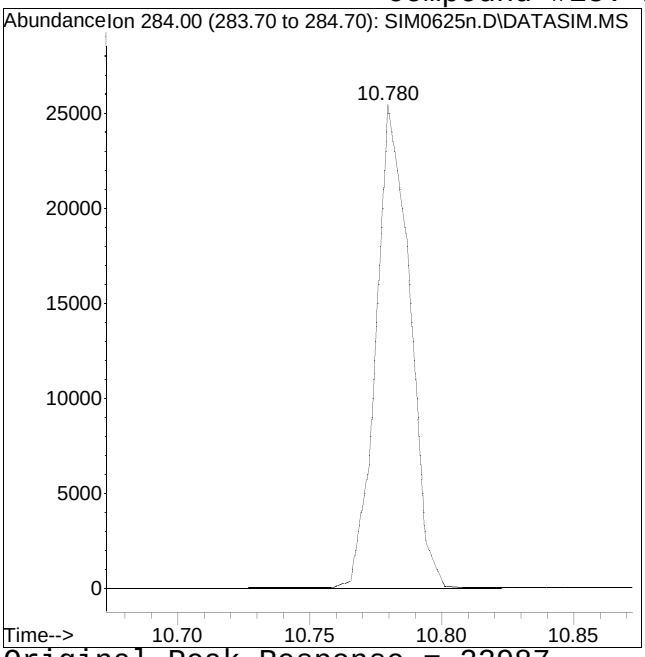
Ion	Ratio	Lower	Upper
276	100		
138	20.9	18.2	27.4



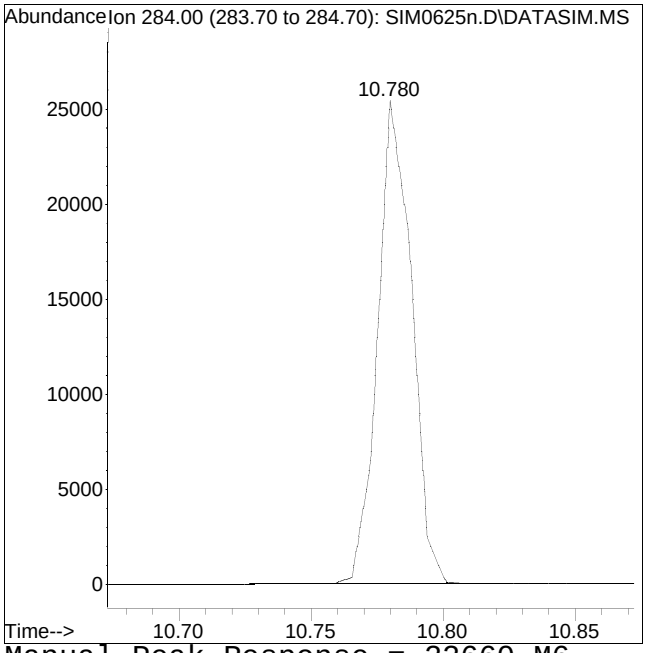
Manual Integration Report

Data Path : I:\8270\SV106\250625RVTsim
Data File : SIM0625n.D
Date Inj'd : 6/25/2025 9:34 pm
Sample : WG2083521-3,32,,CCV 11700
Method : SIM-RVT_250311_sv106.M
Operator : SV106:rp
Instrument : SV 106
Quant Date : 6/25/2025 9:59 pm

Compound #25: Hexachlorobenzene



Original Peak Response = 22987



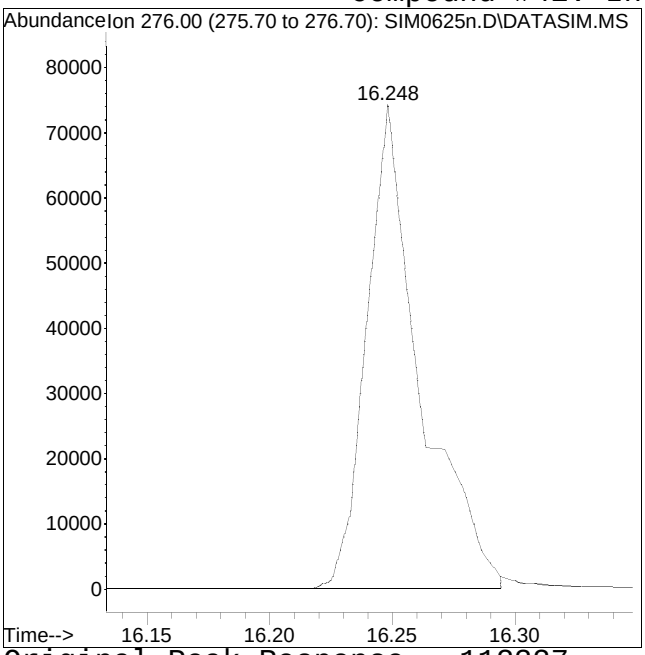
Manual Peak Response = 22660 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

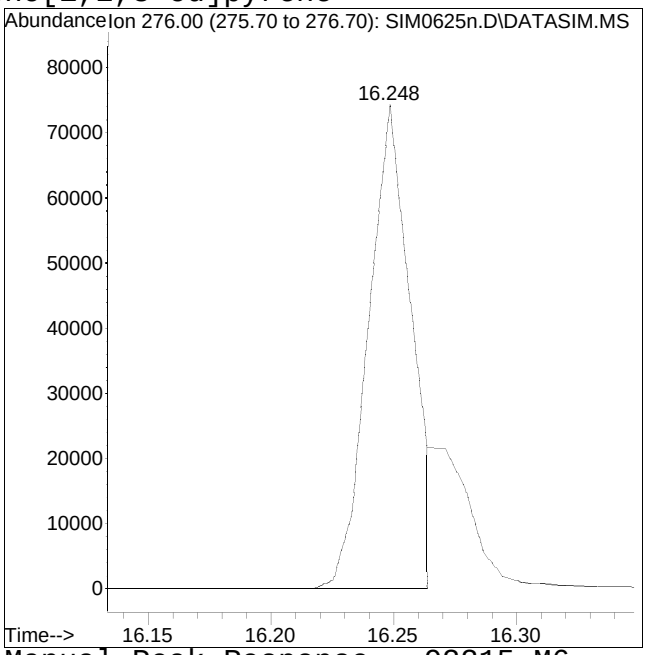
Manual Integration Report

Data Path : I:\8270\SV106\250625RVTsim
Data File : SIM0625n.D
Date Inj'd : 6/25/2025 9:34 pm
Sample : WG2083521-3,32,,CCV 11700
Method : SIM-RVT_250311_sv106.M
Operator : SV106:rp
Instrument : SV 106
Quant Date : 6/25/2025 9:59 pm

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 112327



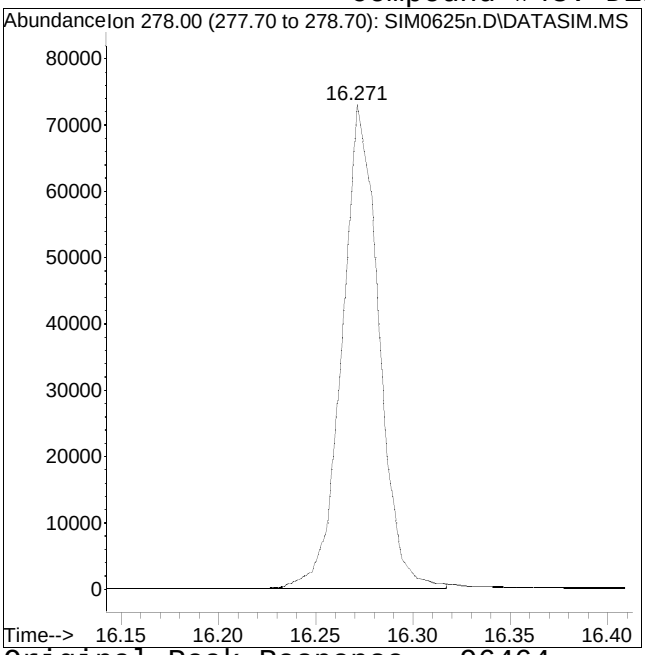
Manual Peak Response = 92215 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

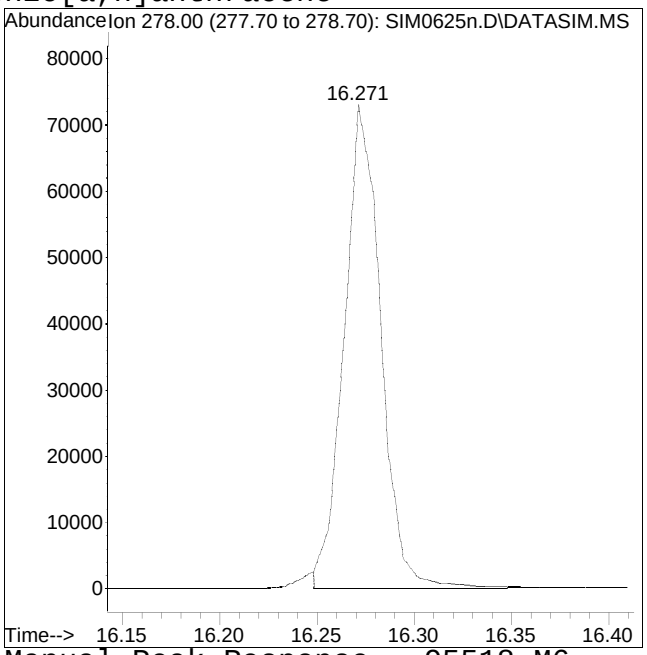
Manual Integration Report

Data Path : I:\8270\SV106\250625RVTsim
Data File : SIM0625n.D
Date Inj'd : 6/25/2025 9:34 pm
Sample : WG2083521-3,32,,CCV 11700
QMethod : SIM-RVT_250311_sv106.M
Operator : SV106:rp
Instrument : SV 106
Quant Date : 6/25/2025 9:59 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 96464



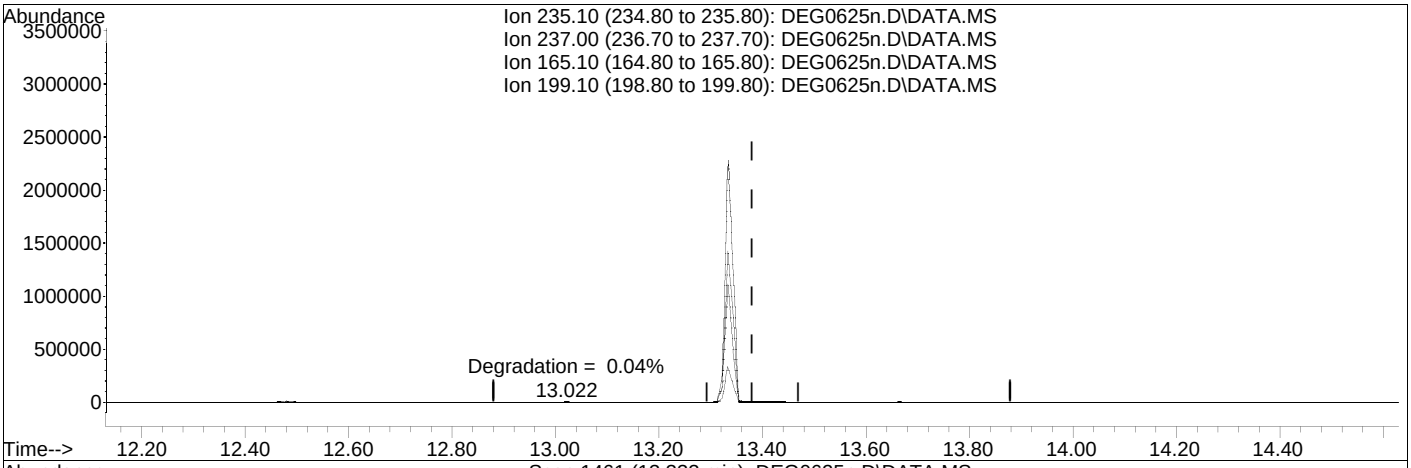
Manual Peak Response = 95518 M6

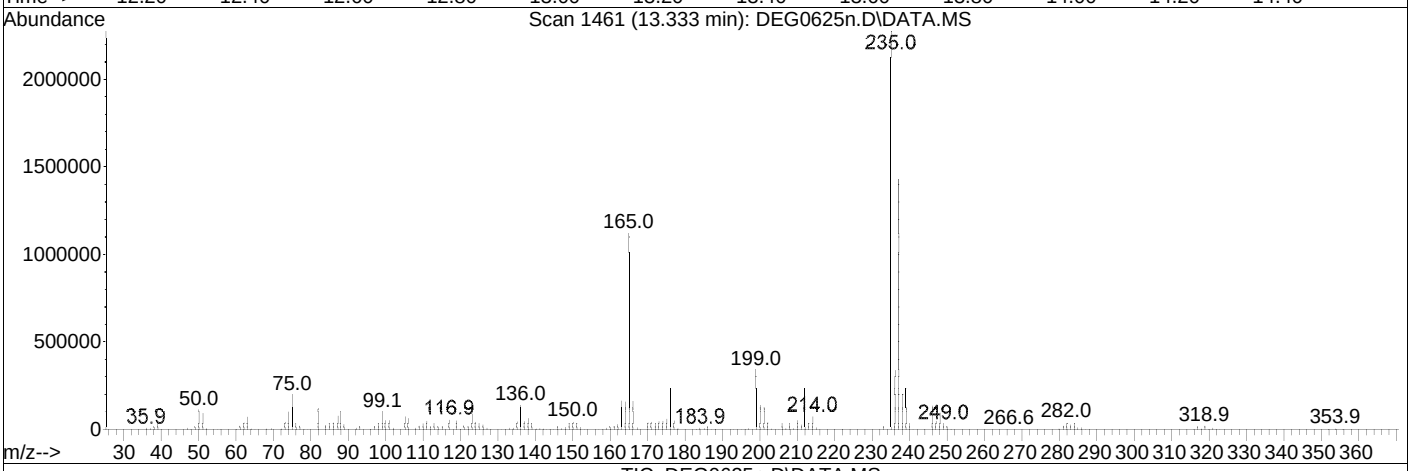
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : DEG0625n.D
Acq On : 25 Jun 2025 9:11 pm
Operator : SV106:rp
Sample : WG2083521-2,32,,SV106 Degdftpp Lot # 11649
Misc : WG2083521,,icalICAL22184
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 21:35:38 2025
Quant Method : I:\8270\SV106\250625RVTsim\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 18:58:13 2025
Response via : Initial Calibration





TIC: DEG0625n.D\DATA.MS

(6) DDT (T)

13.333min (-0.047) 384.70

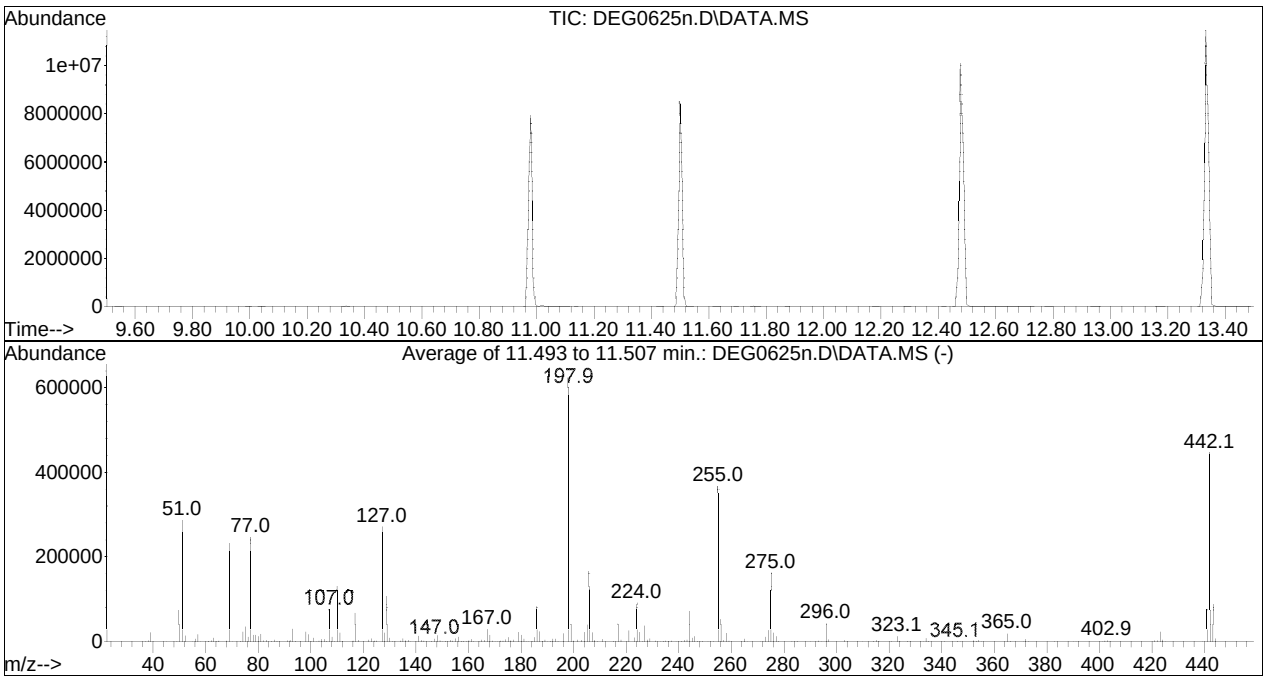
response 2345057

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	63.30	69.07
165.10	44.50	50.90
199.10	14.80	15.45

Data Path : I:\8270\SV106\250625RVTsim\
Data File : DEG0625n.D
Acq On : 25 Jun 2025 9:11 pm
Operator : SV106:rp
Sample : WG2083521-1,32,,SV106 Degdftpp Lot # 11649
Misc : WG2083521,,icalICAL22184
ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV106\250625RVTsim\SIM-RVT_250311_sv106.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Wed Jun 25 21:58:52 2025



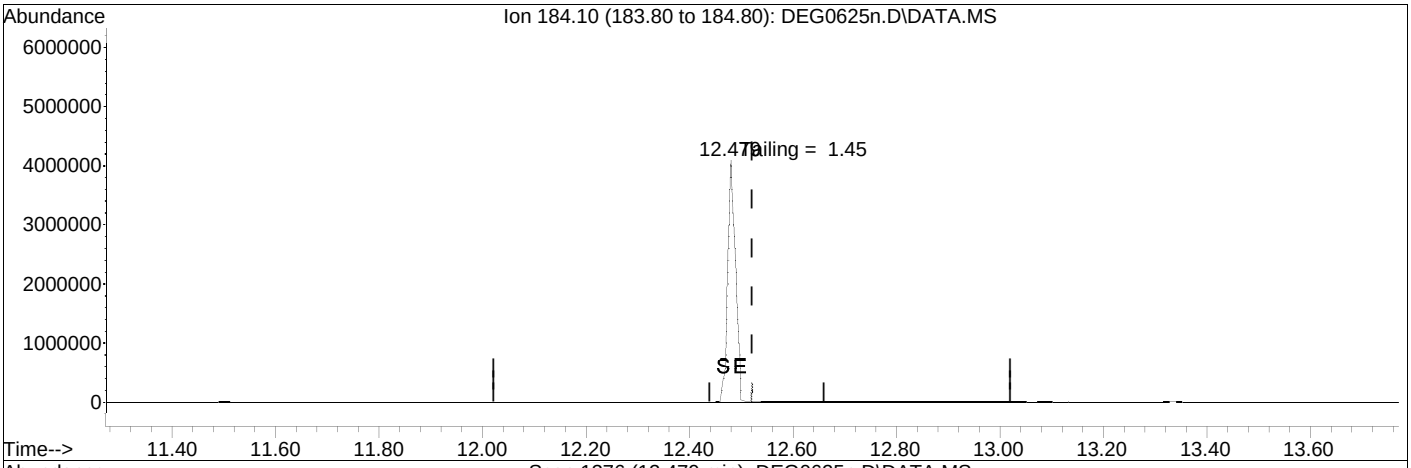
Spectrum Information: Average of 11.493 to 11.507 min.

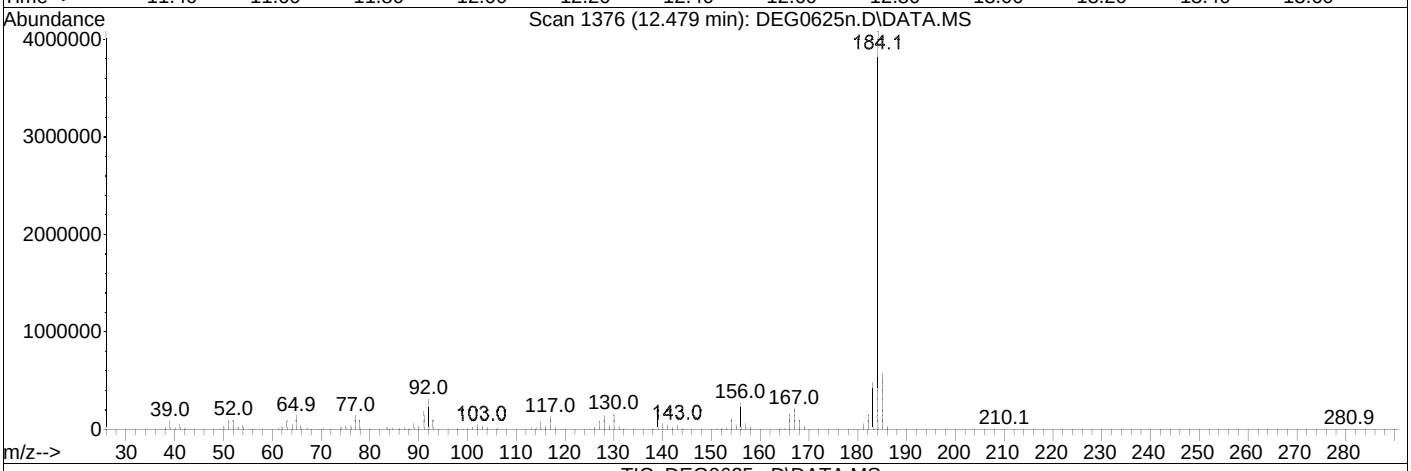
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	45.9	286293	PASS
68	69	0.00	2	1.4	3319	PASS
69	69	100	100	100.0	230997	PASS
70	69	0.00	2	0.5	1118	PASS
127	198	10	80	43.5	271467	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	623765	PASS
199	198	5	9	6.8	42496	PASS
275	198	10	60	26.0	162043	PASS
365	198	1	100	3.0	18898	PASS
441	442	0.01	24	17.1	76174	PASS
442	198	50	100	71.6	446464	PASS
443	442	15	24	19.4	86604	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : DEG0625n.D
Acq On : 25 Jun 2025 9:11 pm
Operator : SV106:rp
Sample : WG2083521-4,32,,SV106 Degdftpp Lot # 11649
Misc : WG2083521,,icalICAL22184
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 21:35:38 2025
Quant Method : I:\8270\SV106\250625RVTsim\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 18:58:13 2025
Response via : Initial Calibration





TIC: DEG0625n.D\DATA.MS

(3) Benzidine (T)

12.479min (-0.042) 407.30

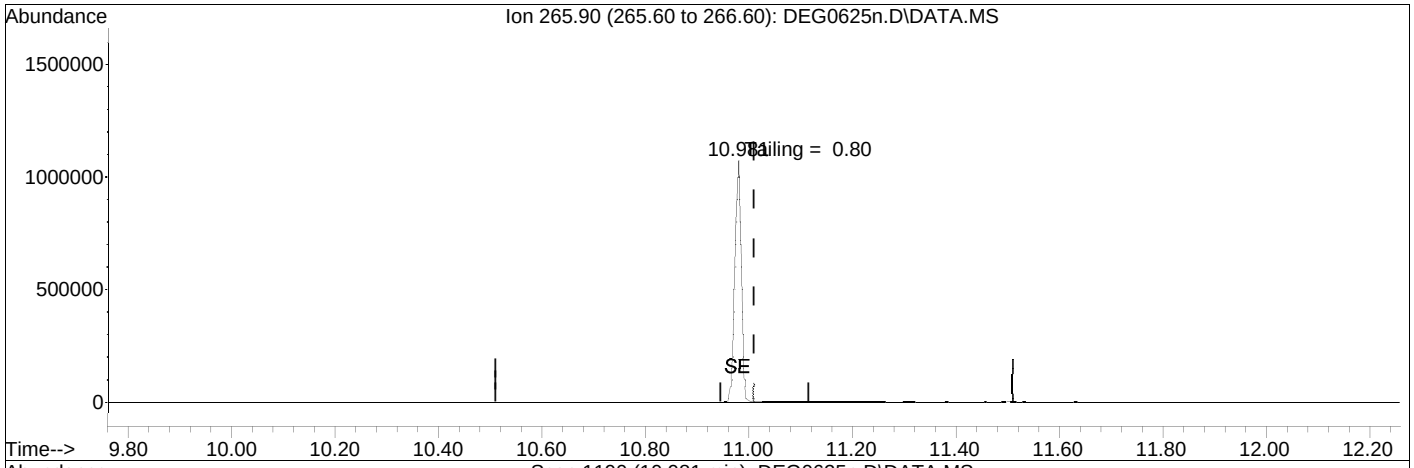
response 4146369

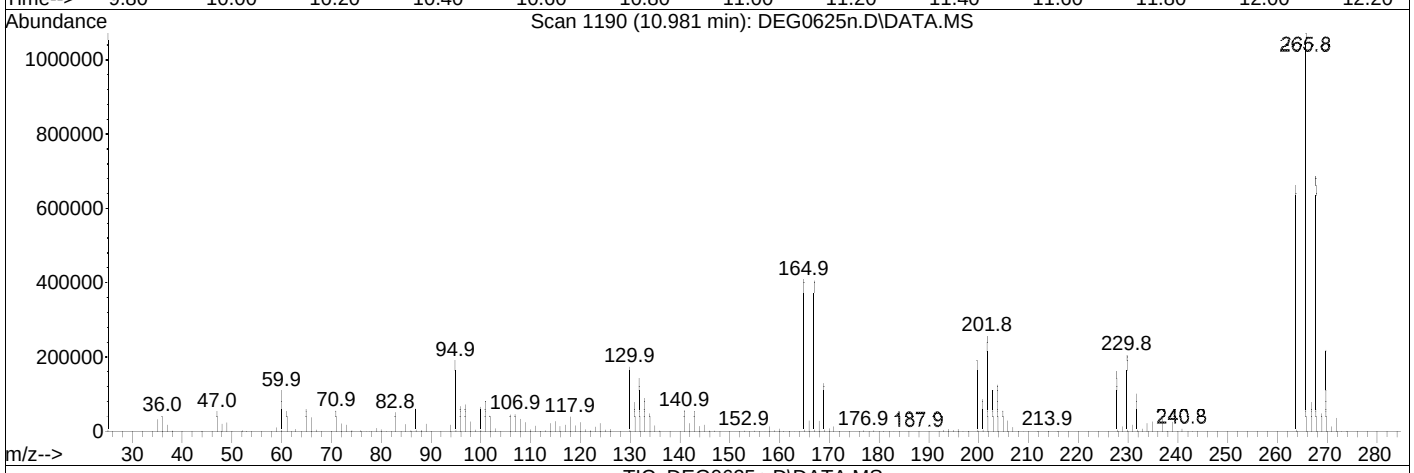
Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV106\250625RVTsim\
Data File : DEG0625n.D
Acq On : 25 Jun 2025 9:11 pm
Operator : SV106:rp
Sample : WG2083521-5,32,,SV106 Degdftpp Lot # 11649
Misc : WG2083521,,icalICAL22184
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 25 21:35:38 2025
Quant Method : I:\8270\SV106\250625RVTsim\DftppSV106.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sun Jun 15 18:58:13 2025
Response via : Initial Calibration





TIC: DEG0625n.D\DATA.MS

(1) Pentachlorophenol (T)

10.981min (-0.029) 420.01

response 882169

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-1.D
Acq On : 23 Jun 2025 04:40 pm
Operator : sv119:rp
Sample : WG2078864-1,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 19:05:12 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.304	152	238746	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 106.98%			
9) Naphthalene-d8	2.964	136	914356	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 108.91%			
18) Acenaphthene-d10	3.945	164	532824	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 106.28%			
23) Phenanthrene-d10	4.794	188	1123773	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 102.95%			
33) Chrysene-d12	6.423	240	1190035	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 102.26%			
38) Perylene-d12	7.714	264	1325678	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 108.56%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.722	112	75008	1118.617	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.93%			
4) Phenol-d6	2.116	99	69293	795.898	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 39.79%			
8) Nitrobenzene-d5	2.582	82	58127	809.340	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.93%			
14) 2-Fluorobiphenyl	3.561	172	156166	754.890	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 75.49%			
22) 2,4,6-Tribromophenol	4.393	330	42312	1582.992	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 79.15%			
32) 4-Terphenyl-d14	5.742	244	232915	921.830	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 92.18%			
Target Compounds						Qvalue
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	2.975	128	3924	16.379	ng/ml	96
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	3.356	142	737	4.639	ng/ml	100
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	4.573	284	147	2.113	ng/ml	98
26) Pentachlorophenol	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-1.D
Acq On : 23 Jun 2025 04:40 pm
Operator : sv119:rp
Sample : WG2078864-1,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 19:05:12 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	4.806	178	1114	3.336	ng/ml	95
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	8.998	276	565M7	5.996	ng/ml	
43) Dibenzo[a,h]anthracene	9.036	278	456	6.138	ng/ml#	87
44) Benzo[g,h,i]perylene	9.353	276	752	5.412	ng/ml#	87

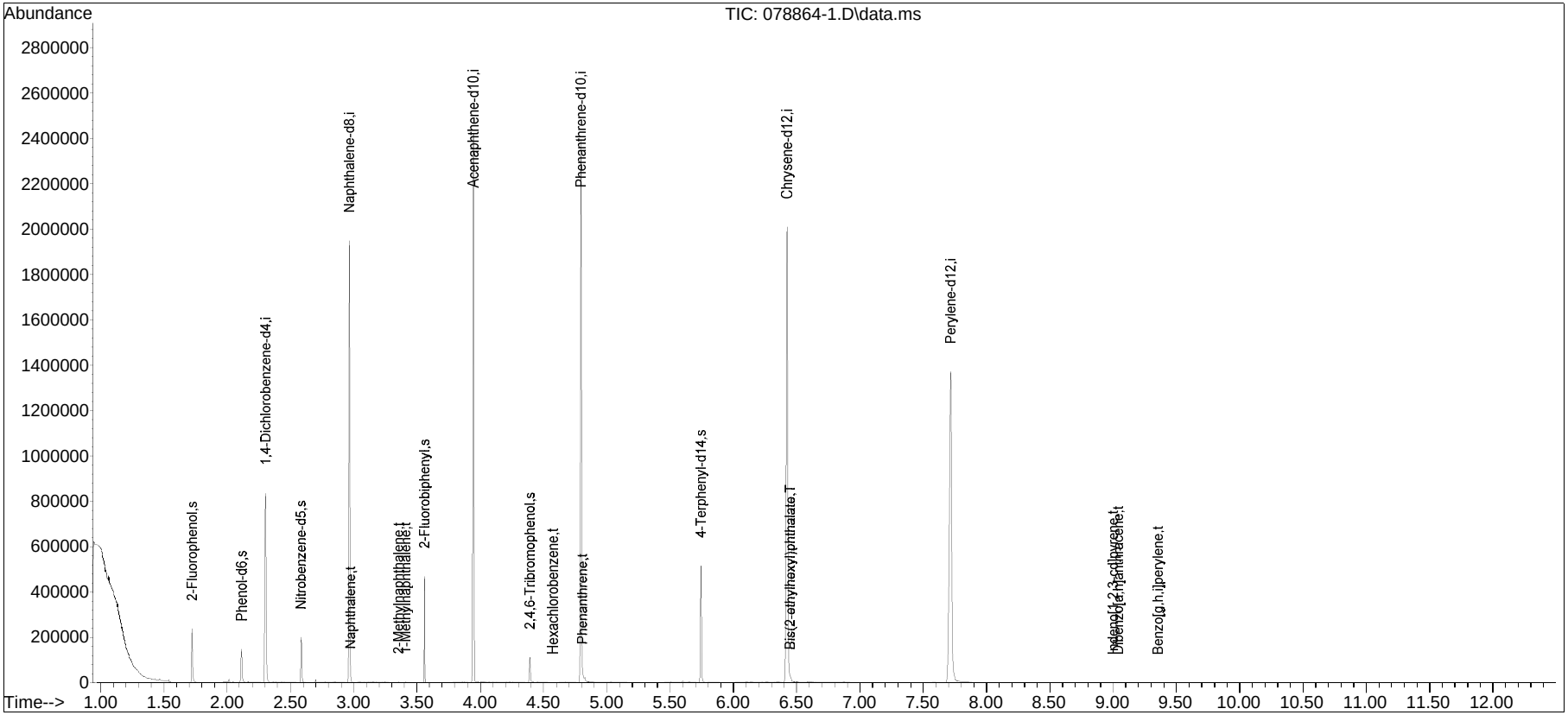
(#) = qualifier out of range (m) = manual integration (+) = signals summed

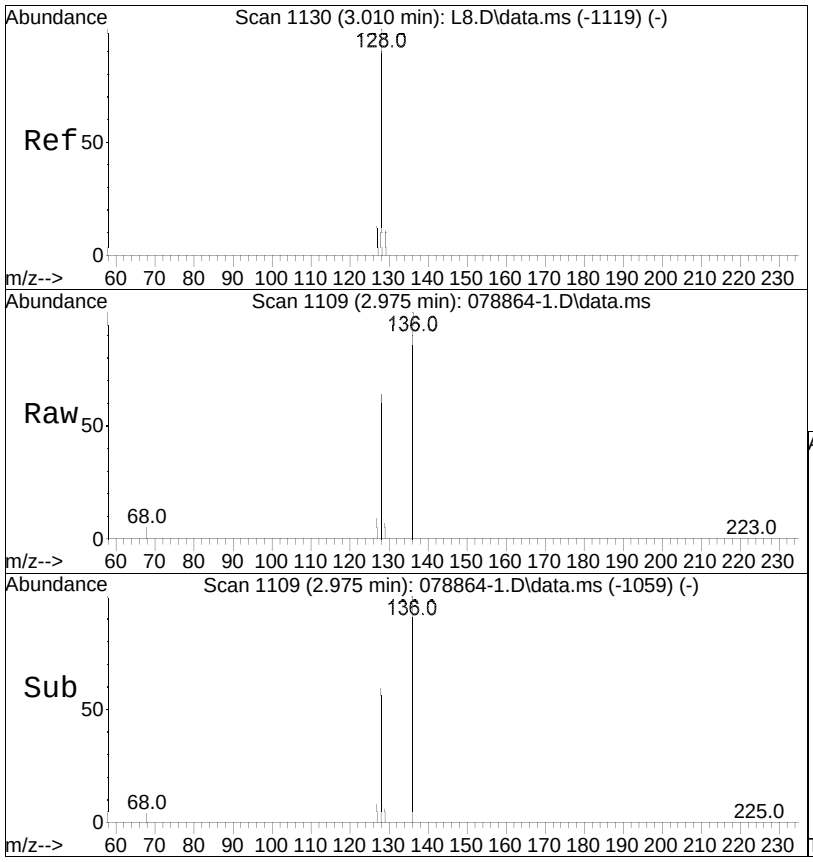
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-1.D
Acq On : 23 Jun 2025 04:40 pm
Operator : sv119:rp
Sample : WG2078864-1,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 23 19:05:12 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•

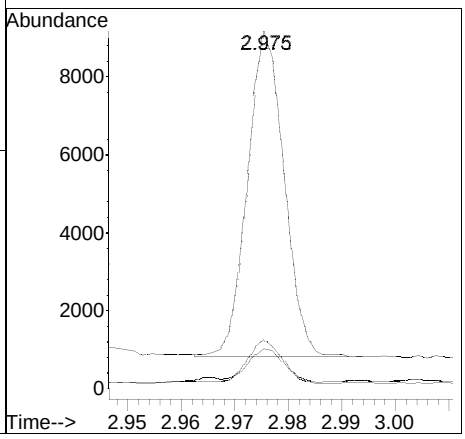


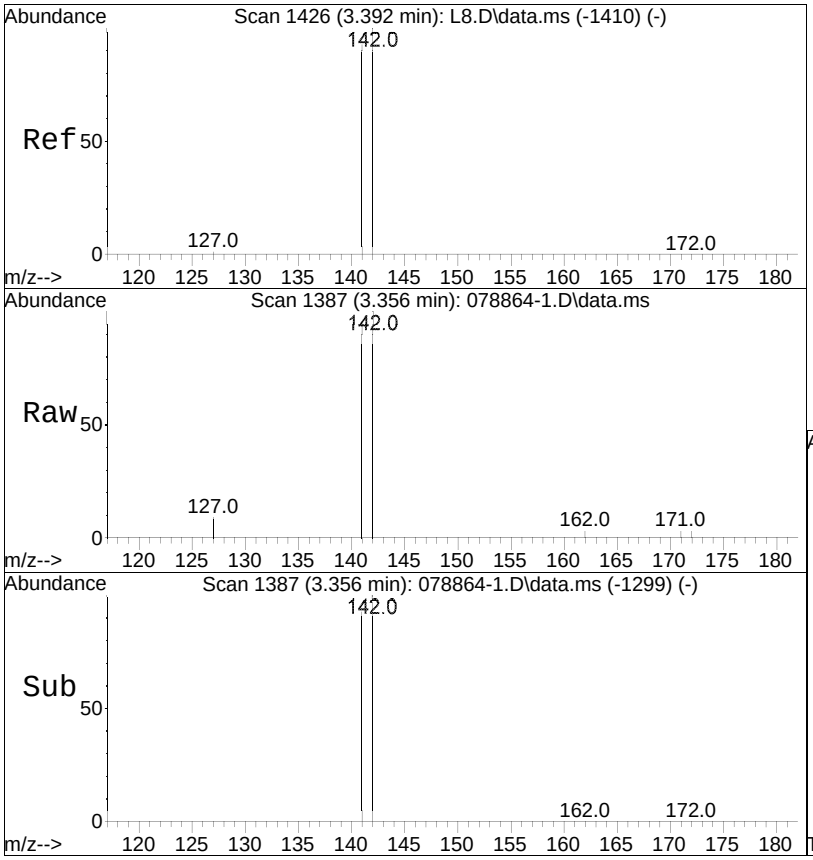


#10
Naphthalene
Concen: 16.38 ng/ml
RT: 2.975 min Scan# 1109
Delta R.T. -0.000 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:128 Resp: 3924

Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.8	13.2
127	12.2	10.6	15.8

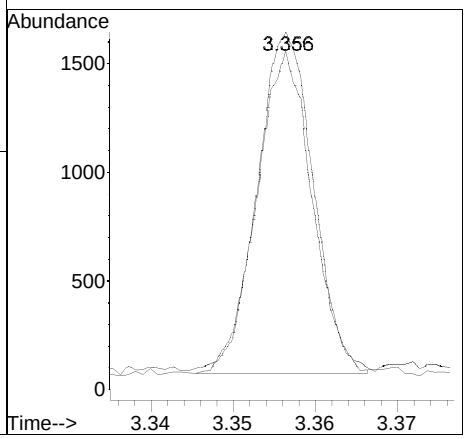


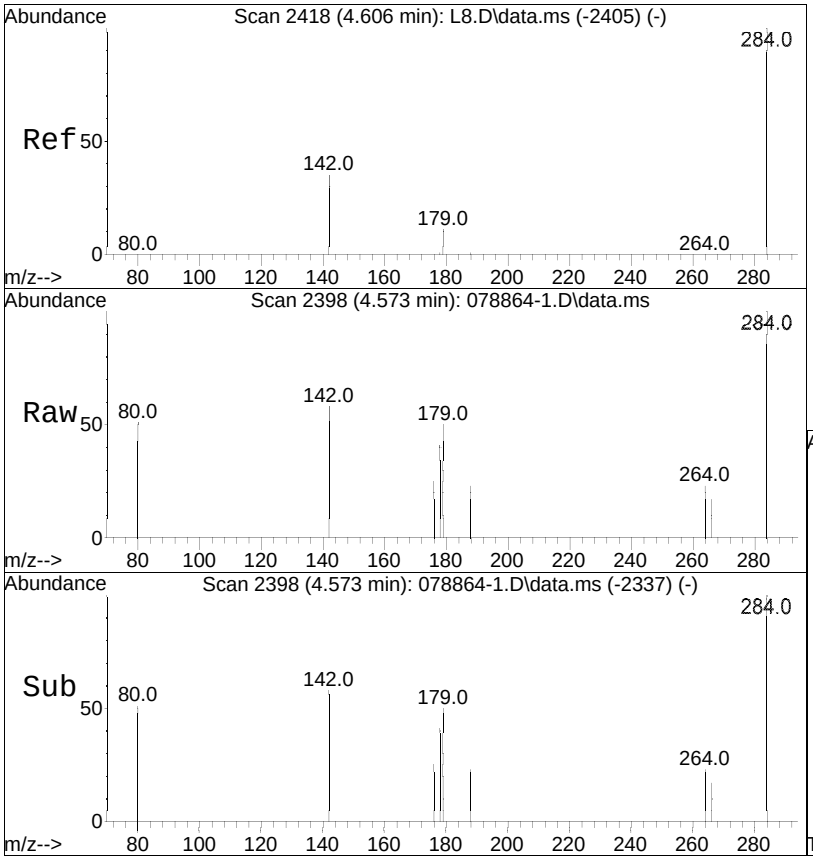


#12
2-Methylnaphthalene
Concen: 4.64 ng/ml
RT: 3.356 min Scan# 1387
Delta R.T. -0.000 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:142 Resp: 737

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.6	110.4

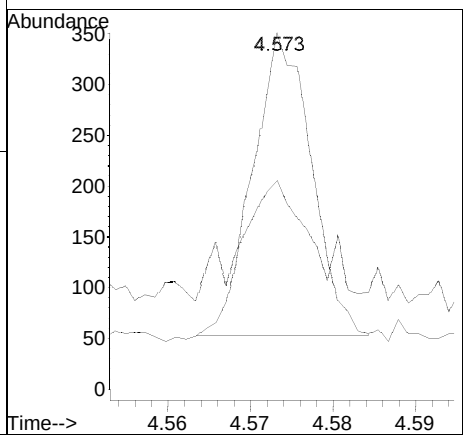


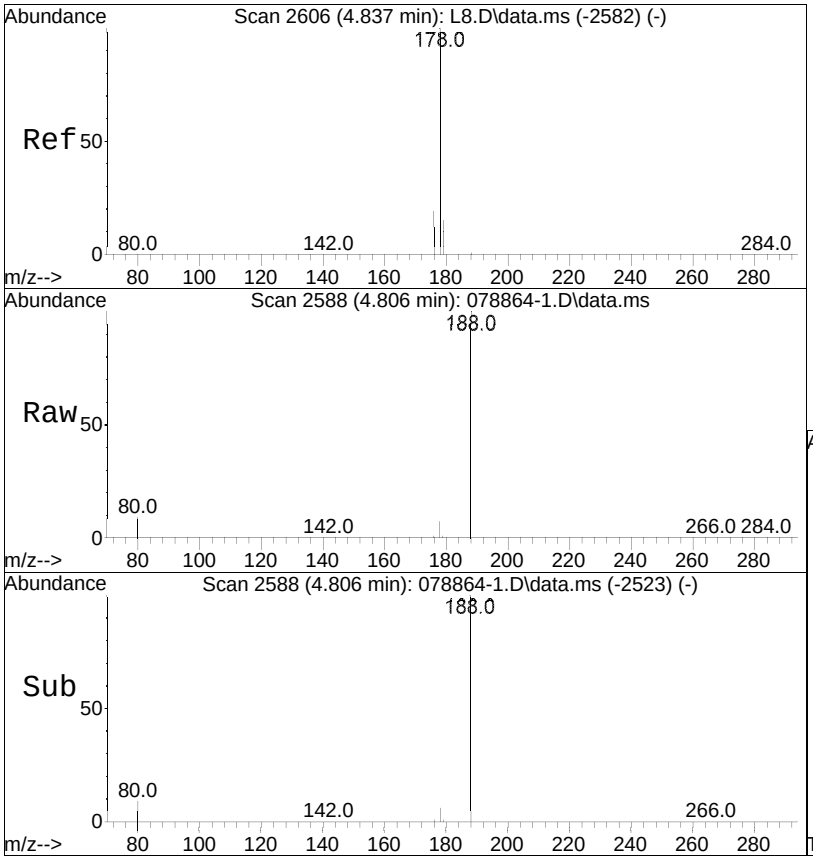


#25
Hexachlorobenzene
Concen: 2.11 ng/ml
RT: 4.573 min Scan# 2398
Delta R.T. -0.001 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:284 Resp: 147

Ion	Ratio	Lower	Upper
284	100		
142	37.4	28.8	43.2

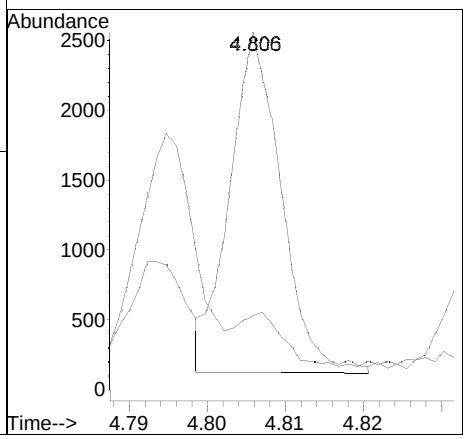


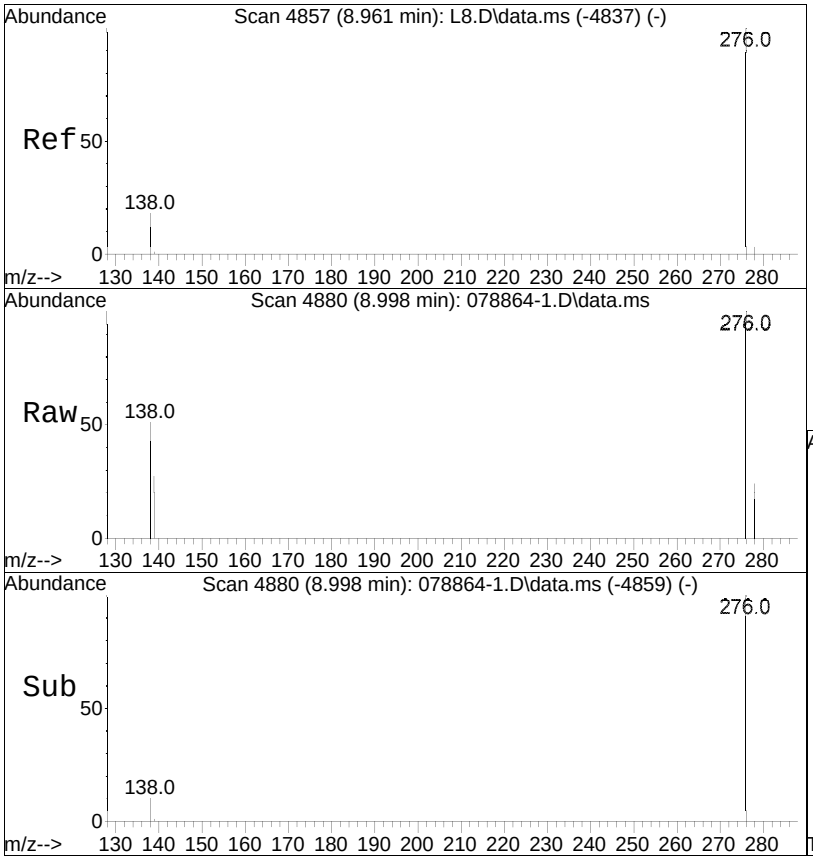


#27
Phenanthrene
Concen: 3.34 ng/ml
RT: 4.806 min Scan# 2588
Delta R.T. -0.001 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:178 Resp: 1114

Ion	Ratio	Lower	Upper
178	100		
179	13.2	12.4	18.6

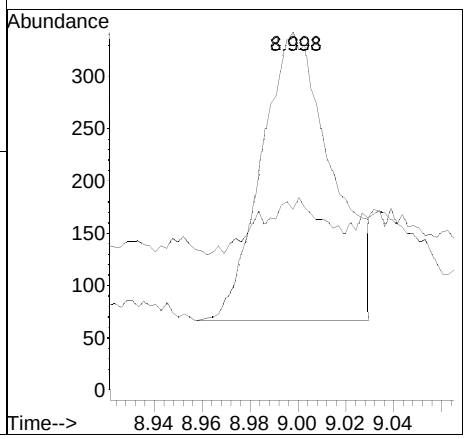


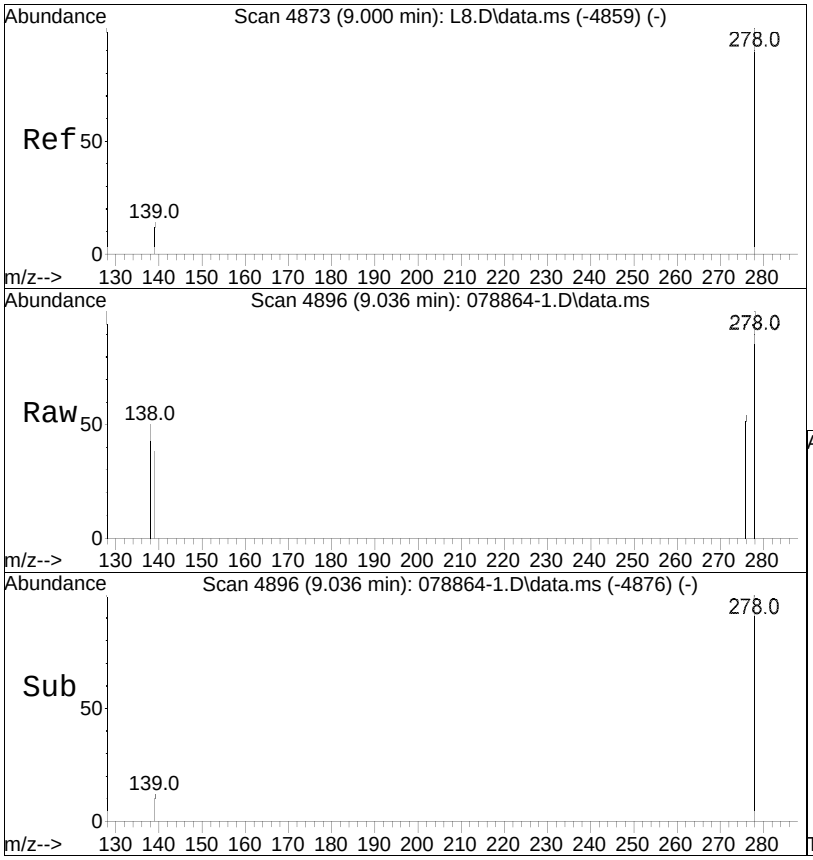


#42
Indeno[1,2,3-cd]pyrene
Concen: 6.00 ng/ml M7
RT: 8.998 min Scan# 4880
Delta R.T. -0.030 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:276 Resp: 565

Ion	Ratio	Lower	Upper
276	100		
138	18.1	14.4	21.6

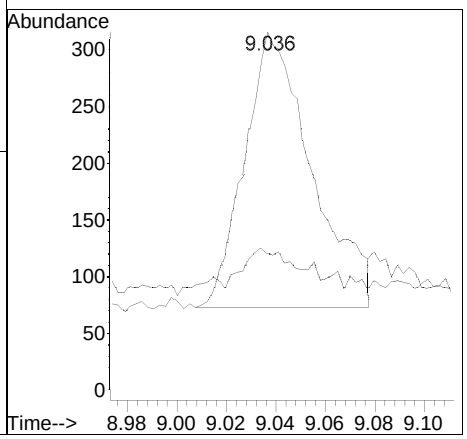


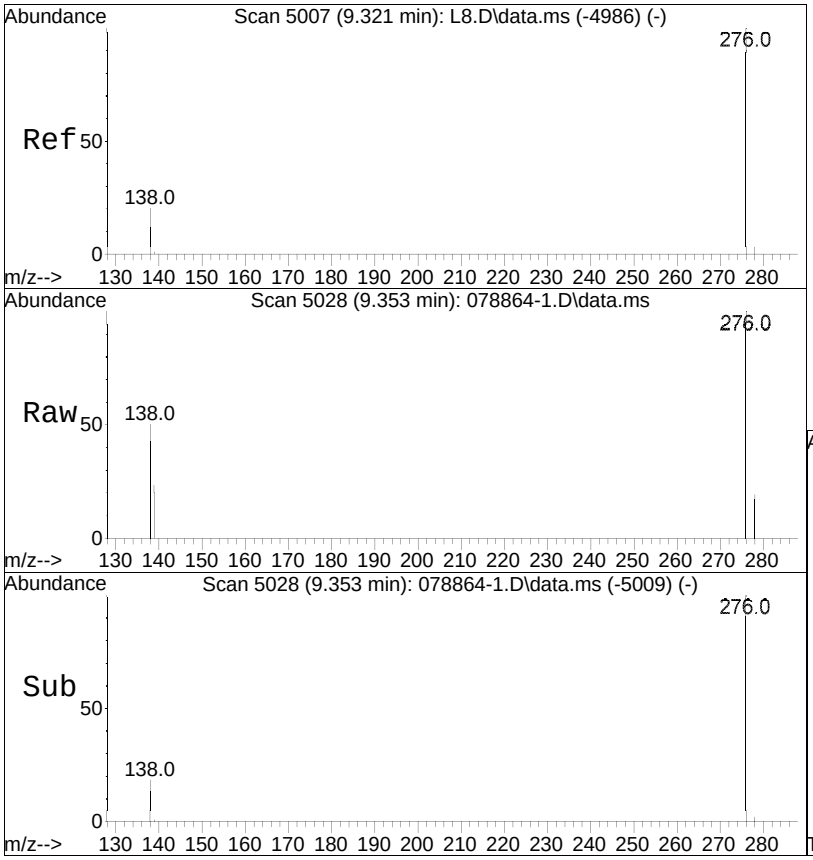


#43
Dibenzo[a,h]anthracene
Concen: 6.14 ng/ml
RT: 9.036 min Scan# 4896
Delta R.T. -0.032 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:278 Resp: 456

Ion	Ratio	Lower	Upper
278	100		
139	9.6	12.1	18.1#

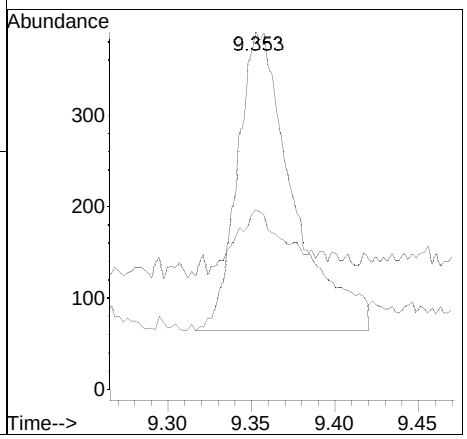




#44
Benzo[g,h,i]perylene
Concen: 5.41 ng/ml
RT: 9.353 min Scan# 5028
Delta R.T. -0.035 min
Lab File: 078864-1.D
Acq: 23 Jun 2025 04:40 pm

Tgt Ion:276 Resp: 752

Ion	Ratio	Lower	Upper
276	100		
138	14.0	16.0	24.0#

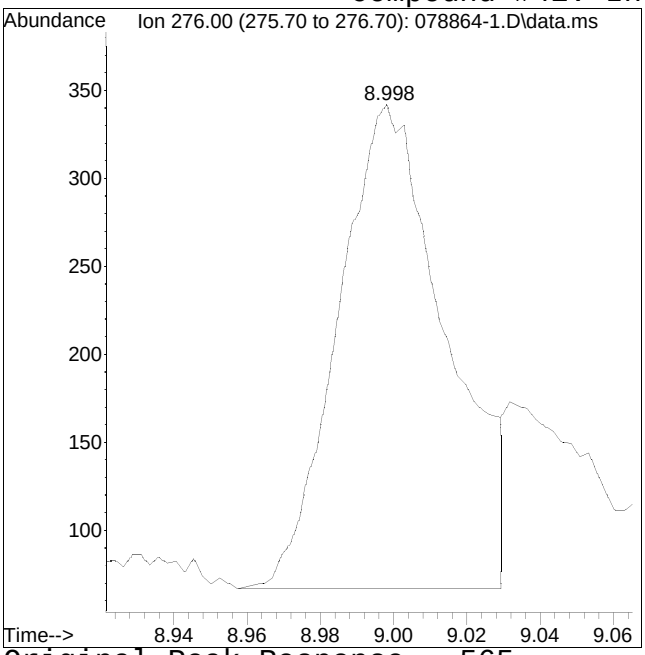


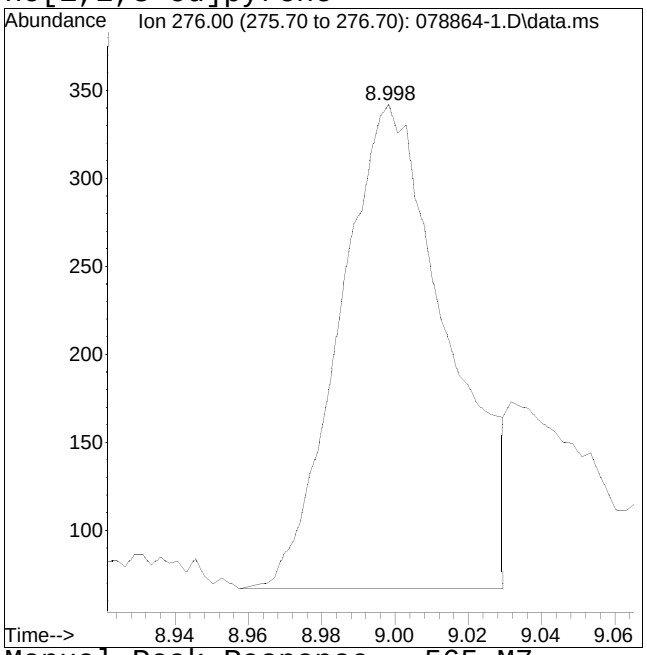
Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 078864-1.D
Date Inj'd : 6/23/2025 4:40 pm
Sample : WG2078864-1,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 6/23/2025 4:54 pm

Compound #42: Indeno[1,2,3-cd]pyrene





Original Peak Response = 565 Manual Peak Response = 565 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-2.D
Acq On : 23 Jun 2025 04:06 pm
Operator : sv119:rp
Sample : WG2078864-2,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 19:07:50 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	292949	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 131.27%			
9) Naphthalene-d8	2.967	136	1130879	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 134.70%			
18) Acenaphthene-d10	3.945	164	682365	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 136.11%			
23) Phenanthrene-d10	4.794	188	1410403	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 129.20%			
33) Chrysene-d12	6.424	240	1431974	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 123.04%			
38) Perylene-d12	7.718	264	1540131	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 126.12%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.729	112	74839	909.590	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 45.48%			
4) Phenol-d6	2.120	99	74224	694.794	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 34.74%			
8) Nitrobenzene-d5	2.584	82	55189	626.253	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 62.63%			
14) 2-Fluorobiphenyl	3.562	172	153918	601.569	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 60.16%			
22) 2,4,6-Tribromophenol	4.394	330	46400	1355.502	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 67.78%			
32) 4-Terphenyl-d14	5.739	244	231453	729.880	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 72.99%			
Target Compounds						Qvalue
7) Hexachloroethane	2.564	117	27307	702.277	ng/ml	97
10) Naphthalene	2.977	128	297460	1003.915	ng/ml	99
11) Hexachlorobutadiene	3.048	225	43391	739.603	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	204346	1040.058	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	243782	1106.369	ng/ml	98
17) Acenaphthylene	3.864	152	438942	1198.398	ng/ml	99
19) Acenaphthene	3.963	153	263325	1161.796	ng/ml	95
21) Fluorene	4.255	166	332221	1225.223	ng/ml	99
25) Hexachlorobenzene	4.575	284	121927	1396.722	ng/ml	93
26) Pentachlorophenol	4.689	266	62259	1518.046	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-2.D
Acq On : 23 Jun 2025 04:06 pm
Operator : sv119:rp
Sample : WG2078864-2,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 19:07:50 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	4.808	178	505380	1205.757	ng/ml	100
28) Anthracene	4.836	178	515151	1259.833	ng/ml	100
29) Fluoranthene	5.505	202	657908	1290.517	ng/ml	100
30) Pyrene	5.643	202	656939	1248.899	ng/ml	100
34) Benzo[a]anthracene	6.414	228	656439	1303.386	ng/ml	100
36) Chrysene	6.440	228	610585	1297.006	ng/ml	99
39) Benzo[b]fluoranthene	7.314	252	631394	1360.269	ng/ml	98
40) Benzo[k]fluoranthene	7.339	252	678743	1384.633	ng/ml	98
41) Benzo[a]pyrene	7.644	252	578348	1369.132	ng/ml	100
42) Indeno[1,2,3-cd]pyrene	9.004	276	634464	1434.784	ng/ml	96
43) Dibenzo[a,h]anthracene	9.045	278	618950M6	1464.968	ng/ml	
44) Benzo[g,h,i]perylene	9.363	276	676401	1492.438	ng/ml	97

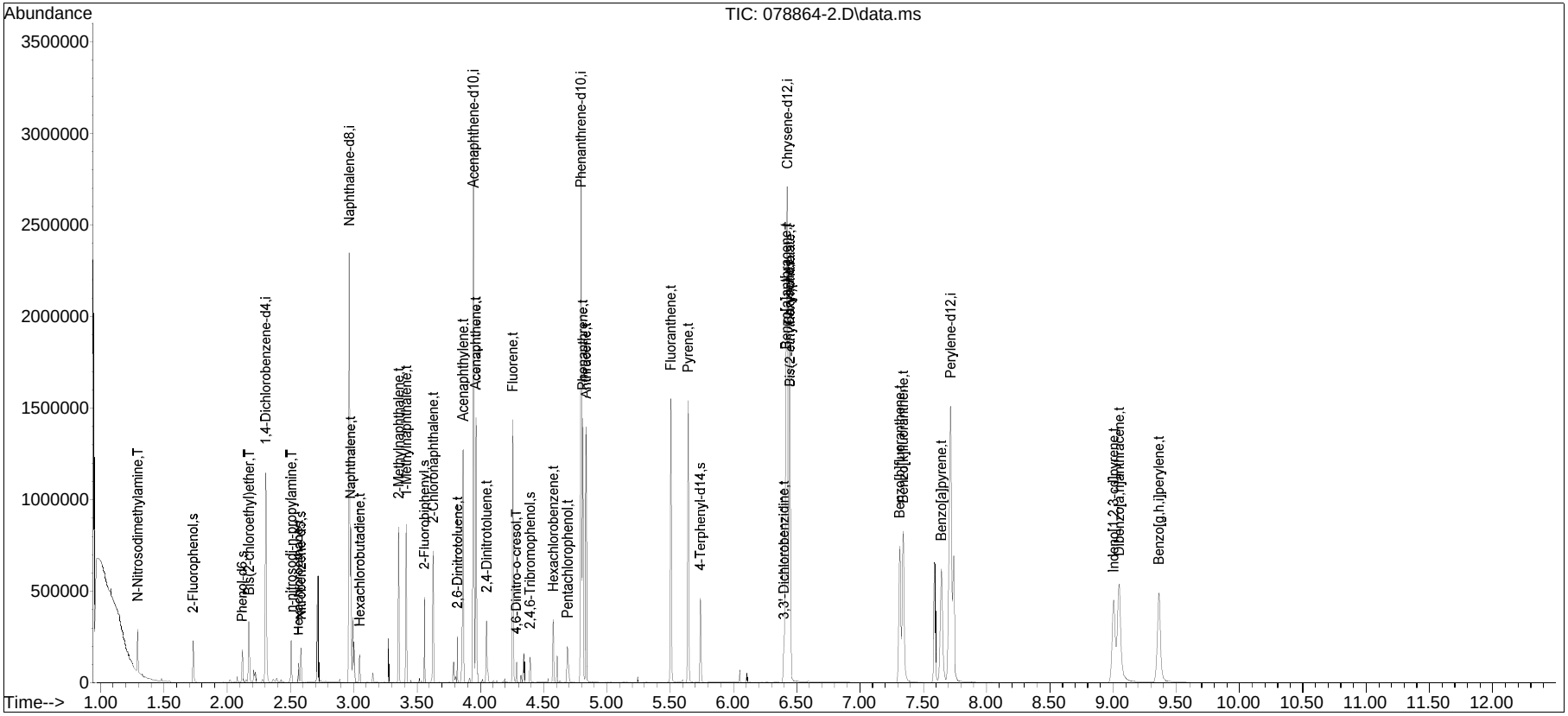
(#) = qualifier out of range (m) = manual integration (+) = signals summed

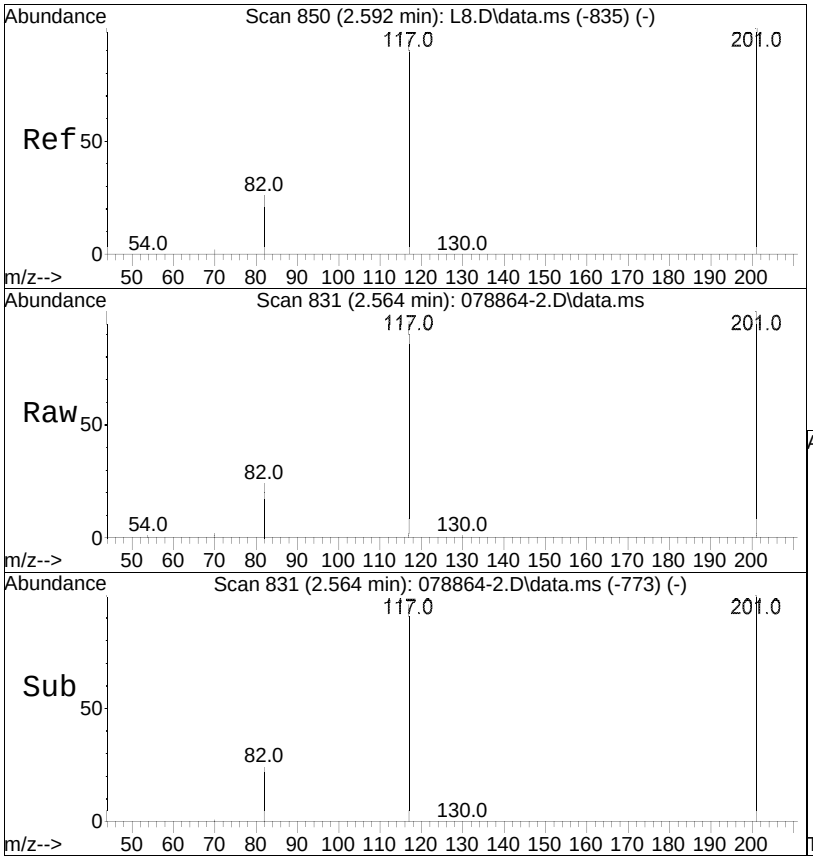
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-2.D
Acq On : 23 Jun 2025 04:06 pm
Operator : sv119:rp
Sample : WG2078864-2,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 23 19:07:50 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•

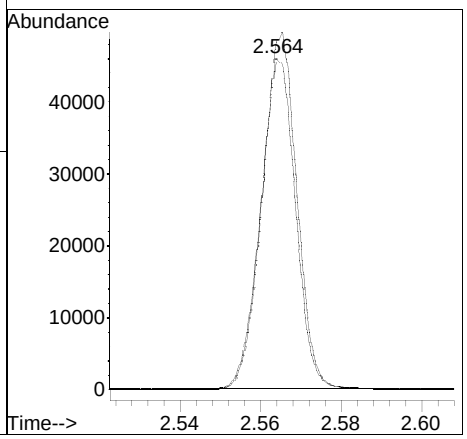


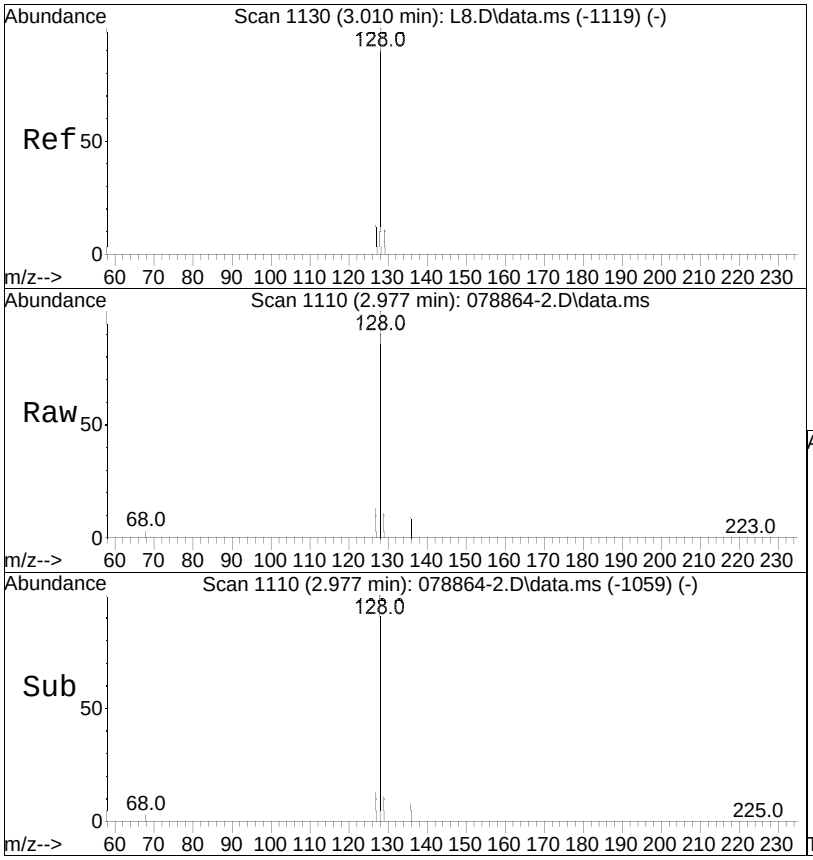


#7
Hexachloroethane
Concen: 702.28 ng/ml
RT: 2.564 min Scan# 831
Delta R.T. 0.001 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:117 Resp: 27307

Ion	Ratio	Lower	Upper
117	100		
201	106.9	82.9	124.3

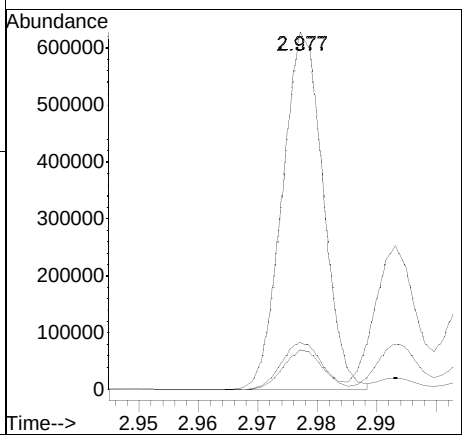


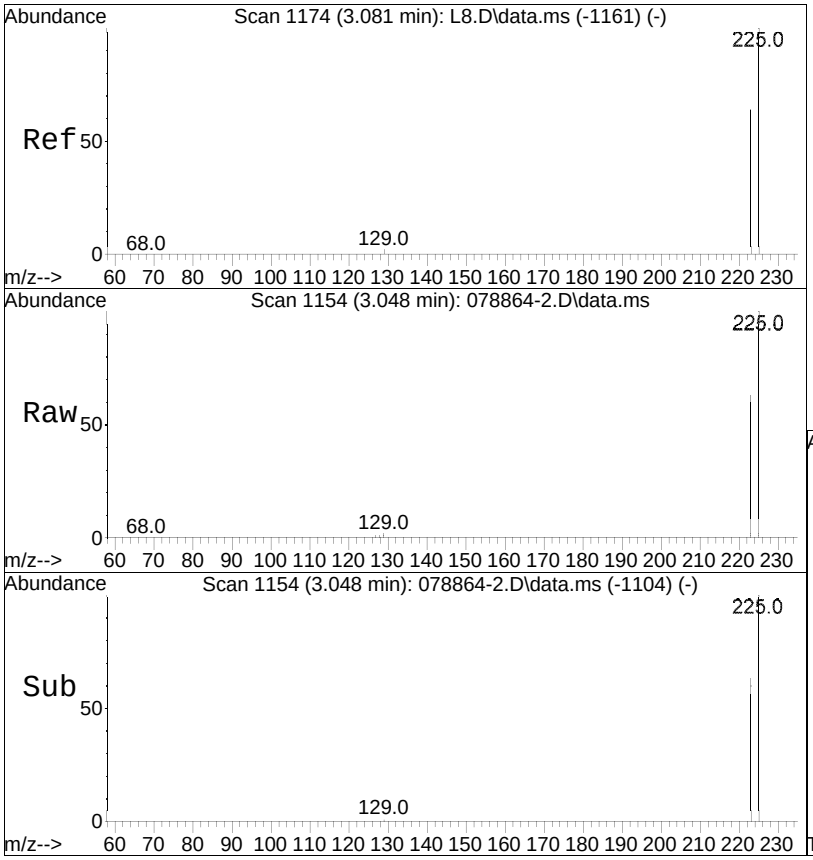


#10
Naphthalene
Concen: 1003.91 ng/ml
RT: 2.977 min Scan# 1110
Delta R.T. 0.001 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:128 Resp: 297460

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.7	10.6	15.8

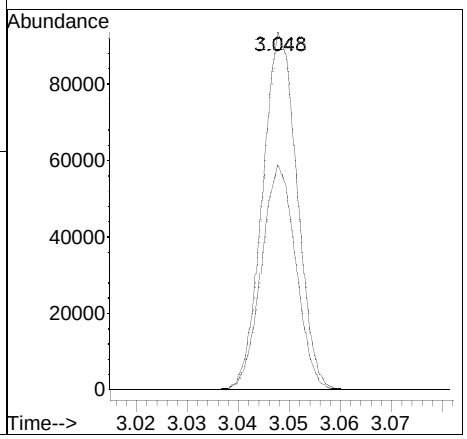


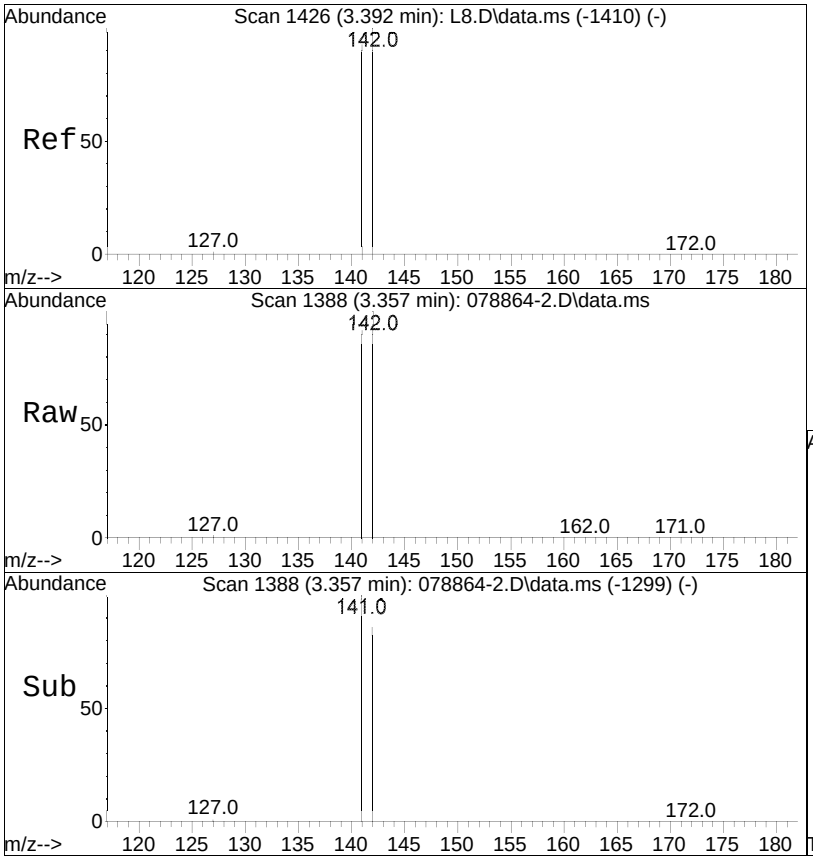


#11
Hexachlorobutadiene
Concen: 739.60 ng/ml
RT: 3.048 min Scan# 1154
Delta R.T. -0.000 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:225 Resp: 43391

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4

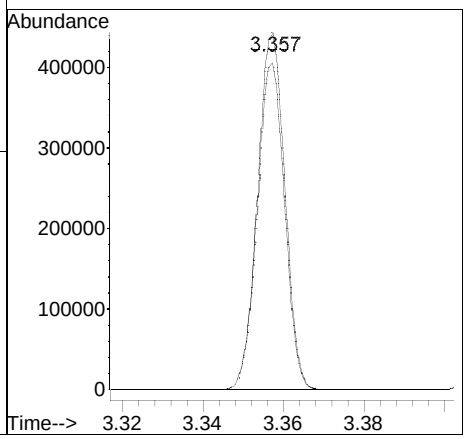


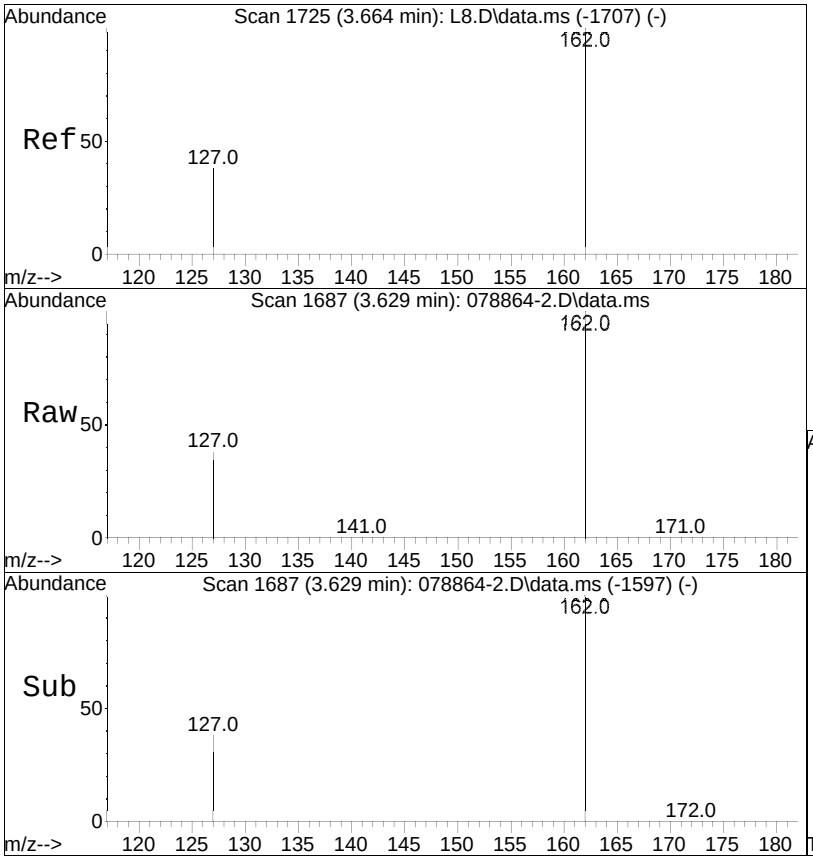


#12
2-Methylnaphthalene
Concen: 1040.06 ng/ml
RT: 3.357 min Scan# 1388
Delta R.T. 0.001 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:142 Resp: 204346

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.6	110.4

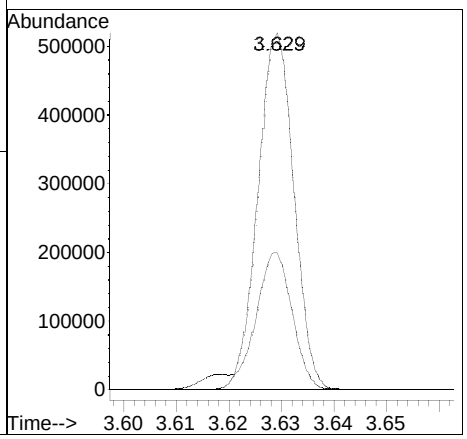


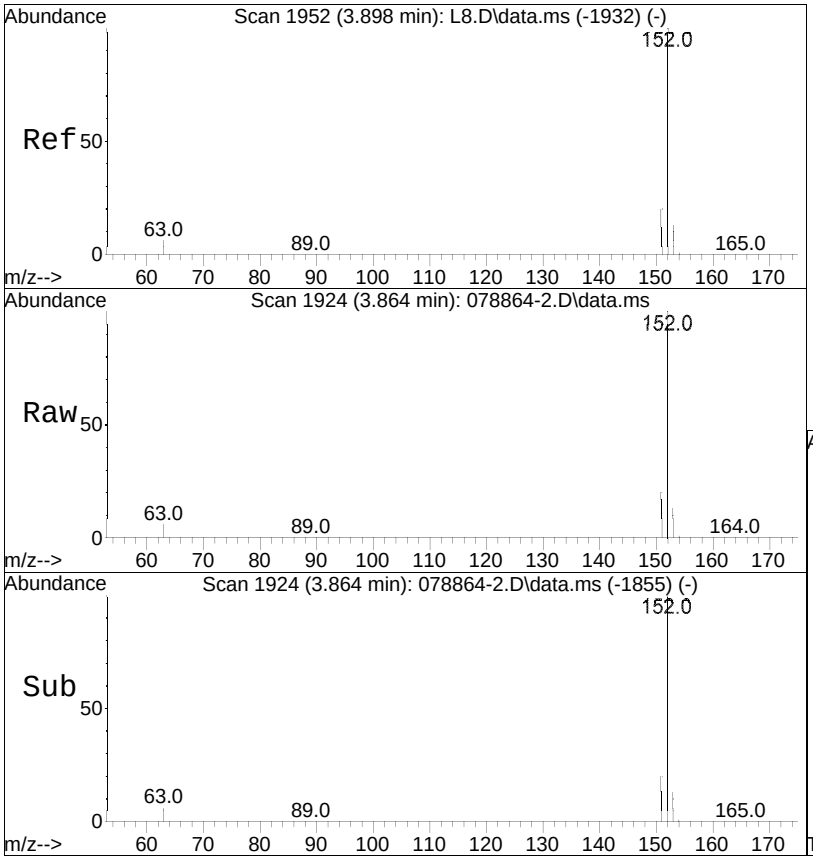


#15
2-Chloronaphthalene
Concen: 1106.37 ng/ml
RT: 3.629 min Scan# 1687
Delta R.T. 0.002 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:162 Resp: 243782

Ion	Ratio	Lower	Upper
162	100		
127	38.8	29.8	44.8

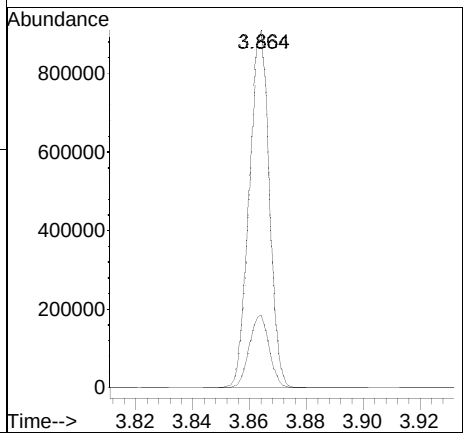


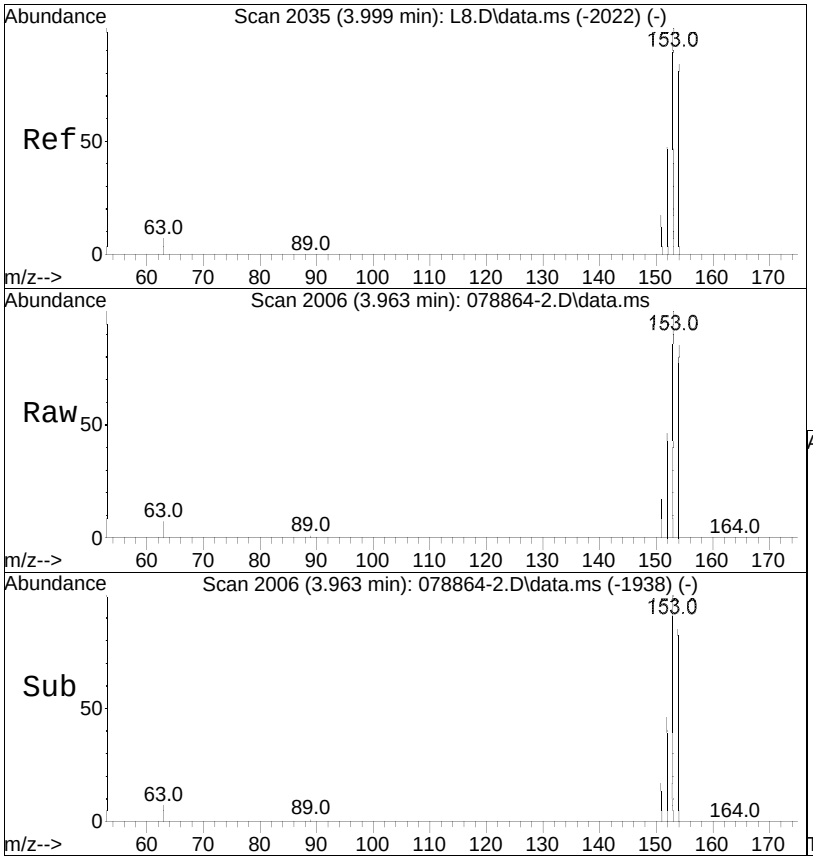


#17
Acenaphthylene
Concen: 1198.40 ng/ml
RT: 3.864 min Scan# 1924
Delta R.T. 0.002 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:152 Resp: 438942

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2

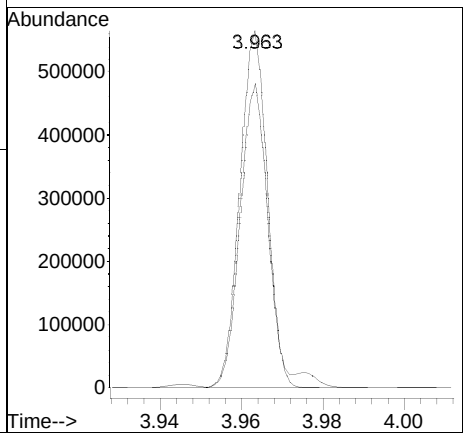


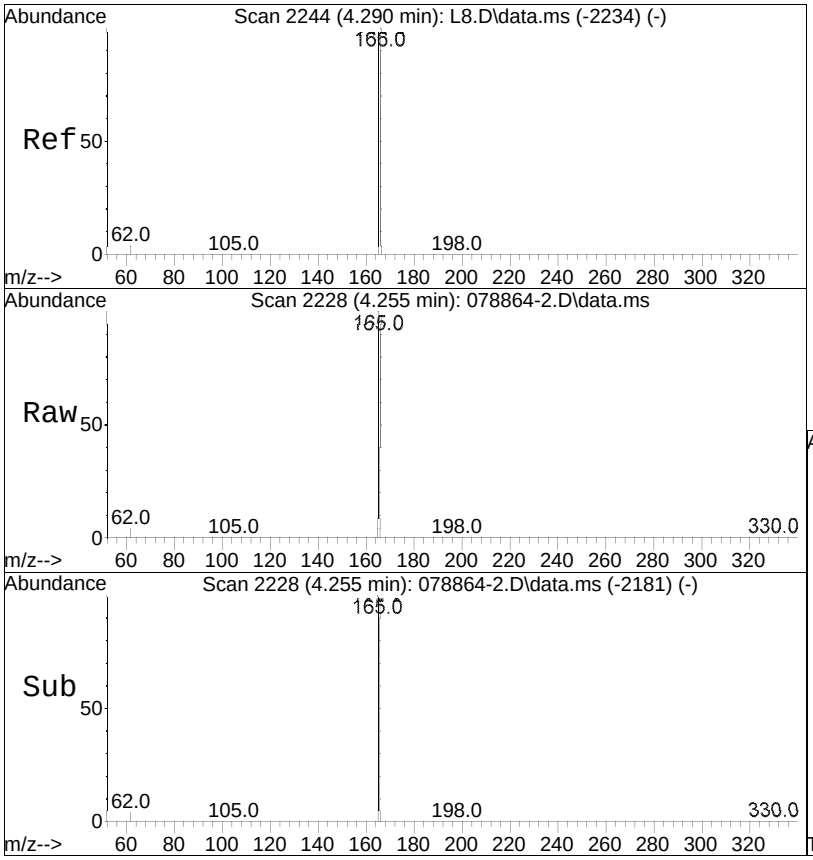


#19
Acenaphthene
Concen: 1161.80 ng/ml
RT: 3.963 min Scan# 2006
Delta R.T. 0.002 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:153 Resp: 263325

Ion	Ratio	Lower	Upper
153	100		
154	85.4	72.0	108.0

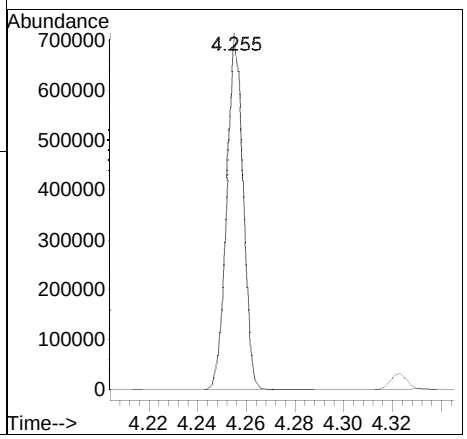


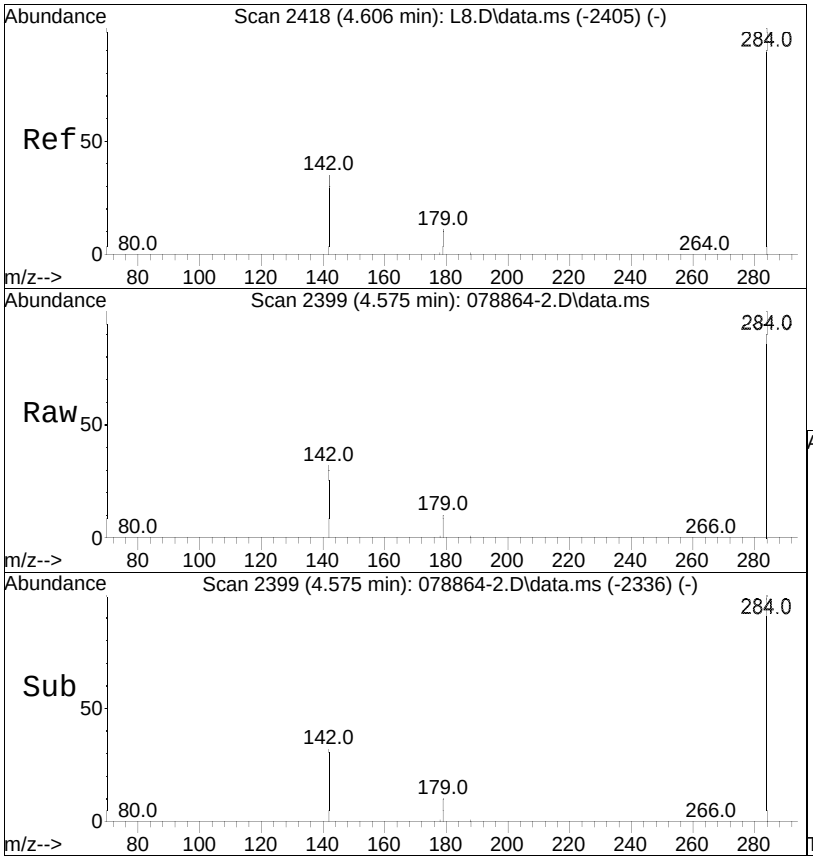


#21
Fluorene
Concen: 1225.22 ng/ml
RT: 4.255 min Scan# 2228
Delta R.T. -0.000 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:166 Resp: 332221

Ion	Ratio	Lower	Upper
166	100		
165	100.9	81.5	122.3

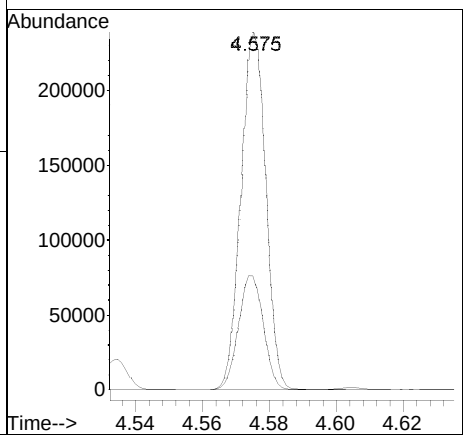


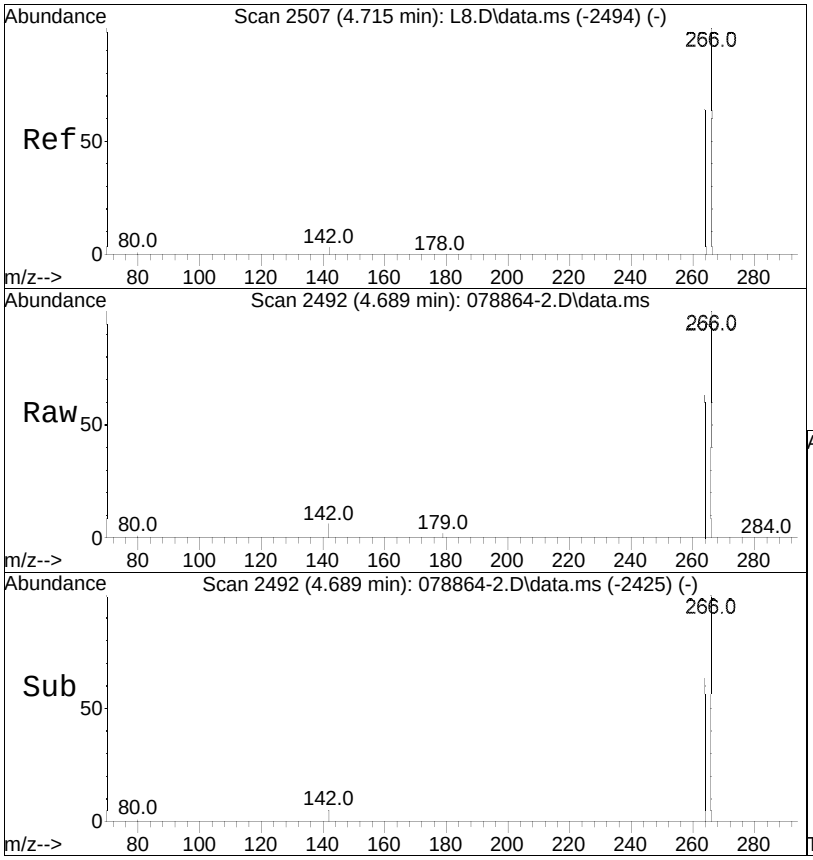


#25
Hexachlorobenzene
Concen: 1396.72 ng/ml
RT: 4.575 min Scan# 2399
Delta R.T. 0.001 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:284 Resp: 121927

Ion	Ratio	Lower	Upper
284	100		
142	32.2	28.8	43.2

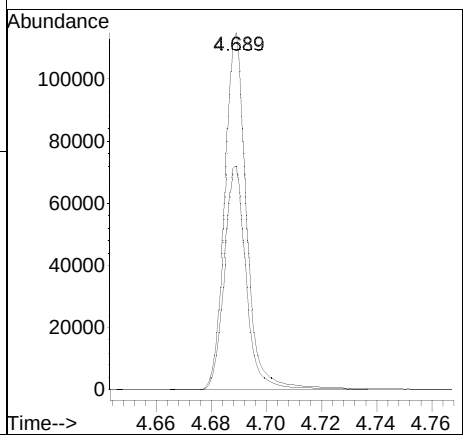


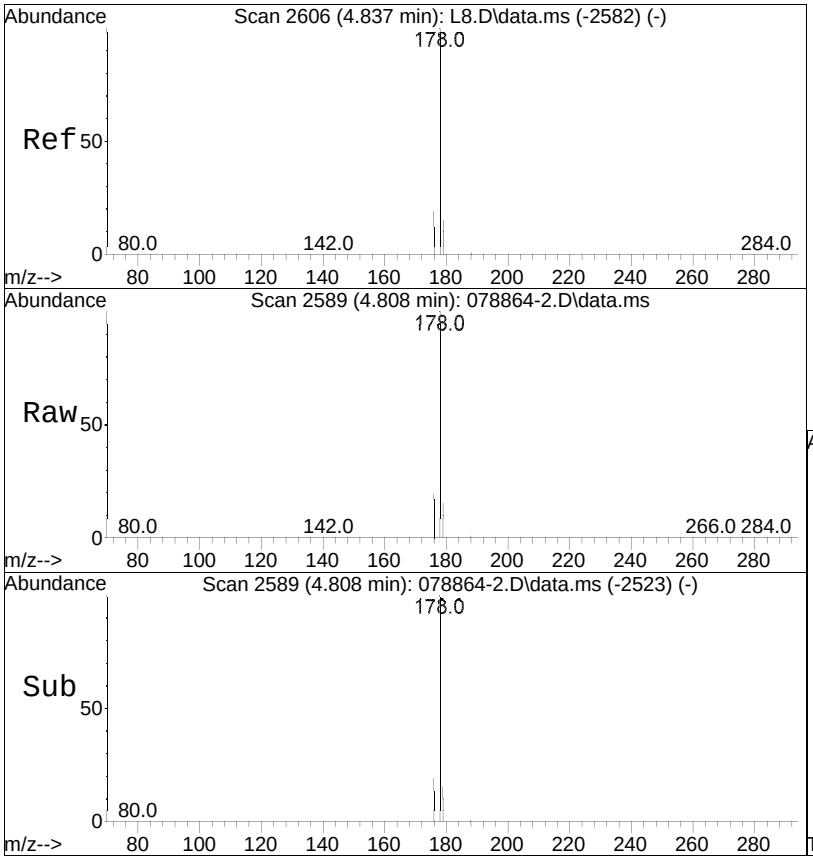


#26
Pentachlorophenol
Concen: 1518.05 ng/ml
RT: 4.689 min Scan# 2492
Delta R.T. 0.002 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:266 Resp: 62259

Ion	Ratio	Lower	Upper
266	100		
264	64.1	50.6	76.0

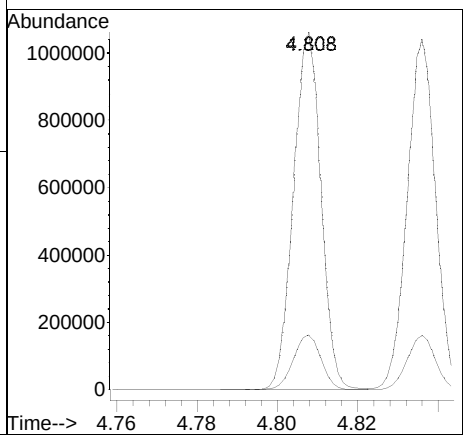


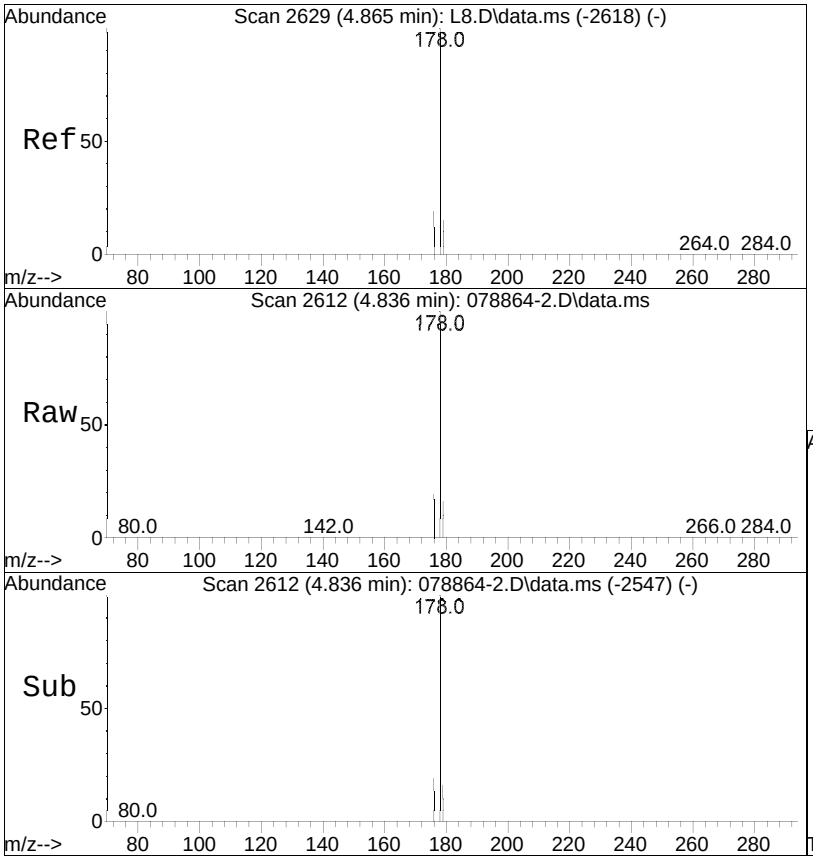


#27
Phenanthrene
Concen: 1205.76 ng/ml
RT: 4.808 min Scan# 2589
Delta R.T. 0.001 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:178 Resp: 505380

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

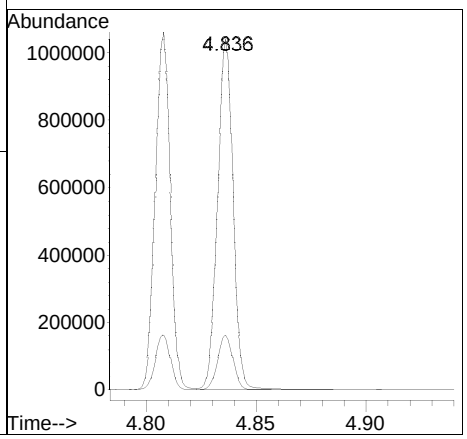


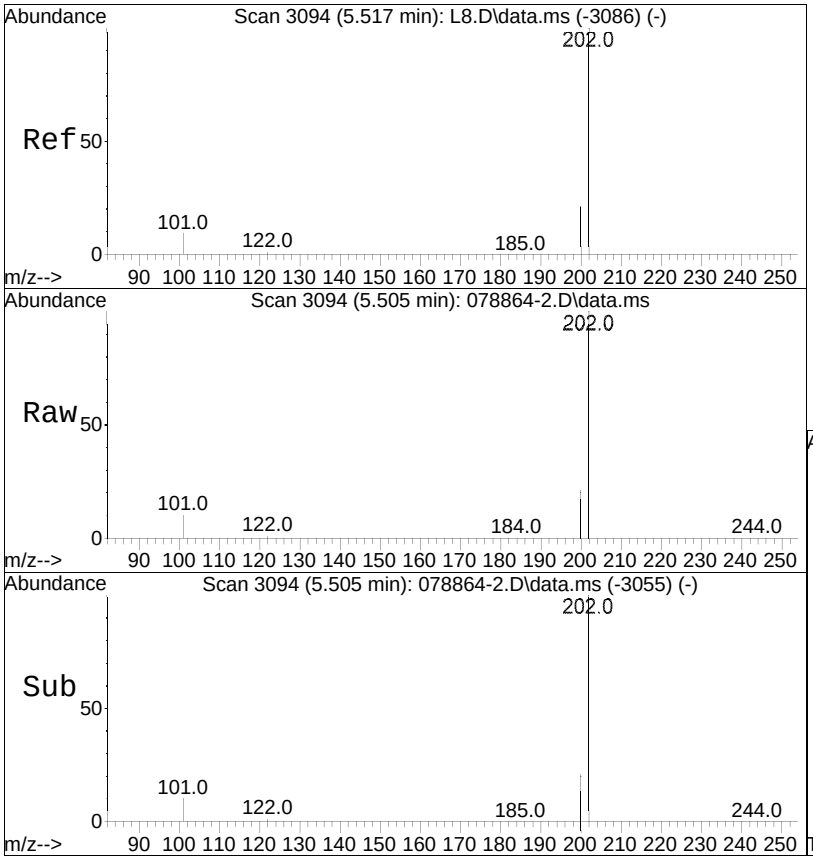


#28
Anthracene
Concen: 1259.83 ng/ml
RT: 4.836 min Scan# 2612
Delta R.T. -0.000 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:178 Resp: 515151

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2

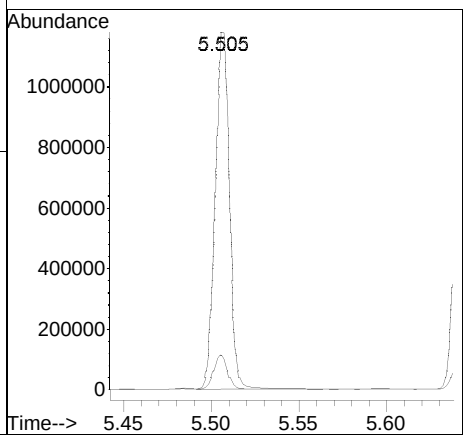


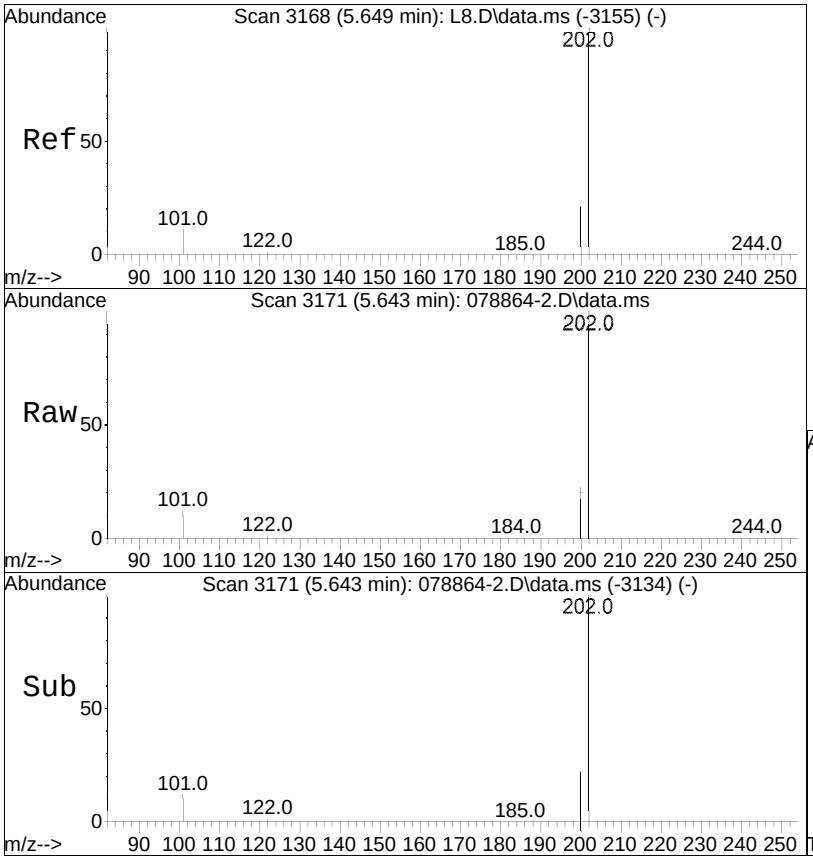


#29
Fluoranthene
Concen: 1290.52 ng/ml
RT: 5.505 min Scan# 3094
Delta R.T. -0.011 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:202 Resp: 657908

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.5	11.3

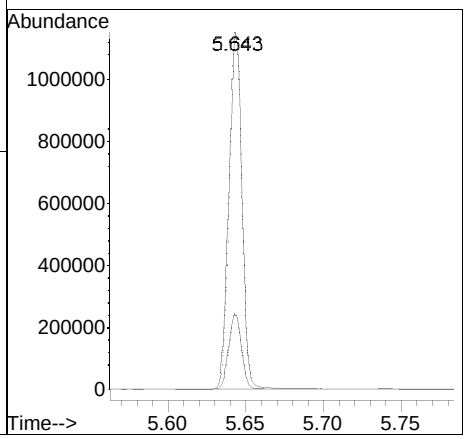


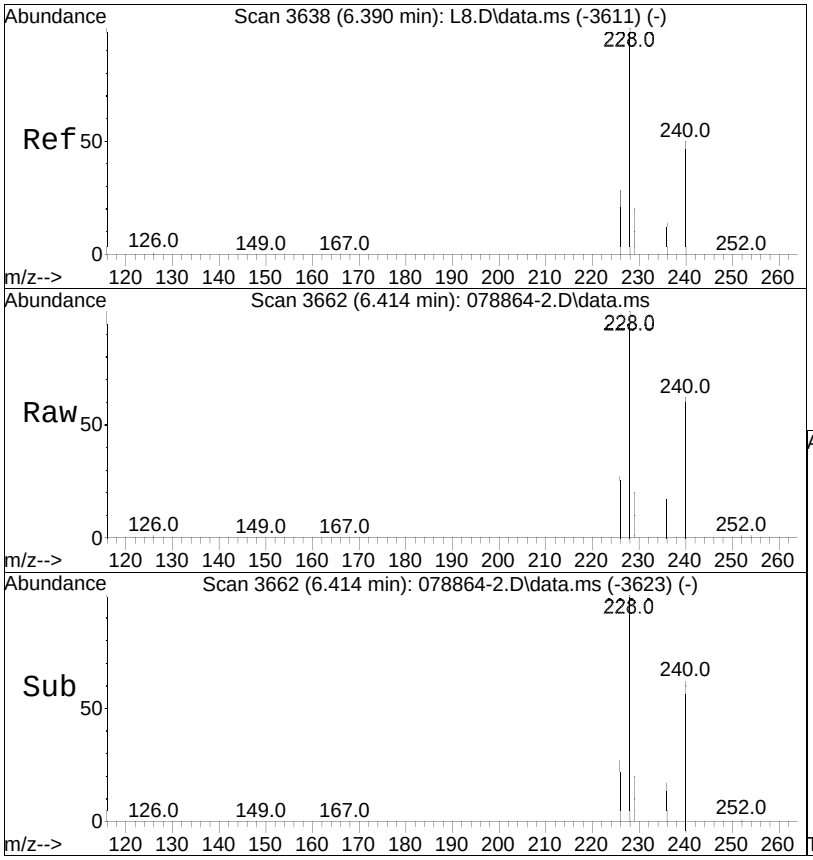


#30
Pyrene
Concen: 1248.90 ng/ml
RT: 5.643 min Scan# 3171
Delta R.T. -0.014 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:202 Resp: 656939

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

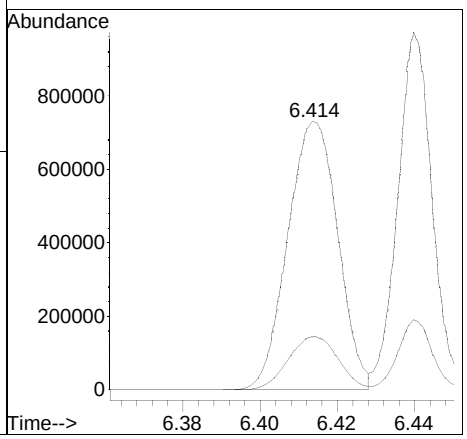


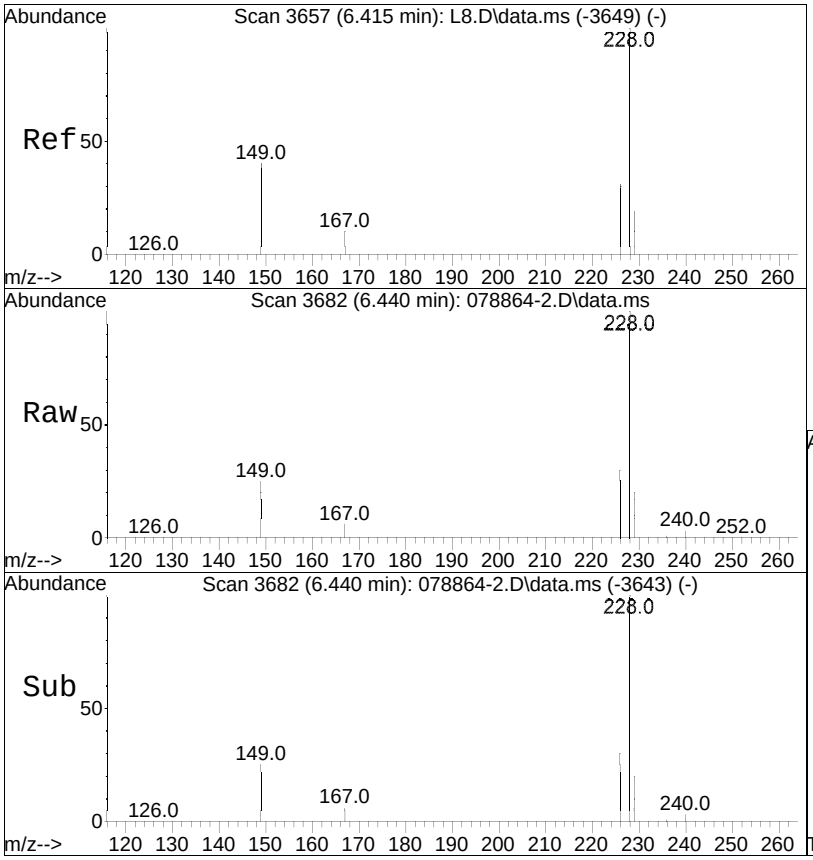


#34
Benzo[a]anthracene
Concen: 1303.39 ng/ml
RT: 6.414 min Scan# 3662
Delta R.T. -0.029 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:228 Resp: 656439

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.6

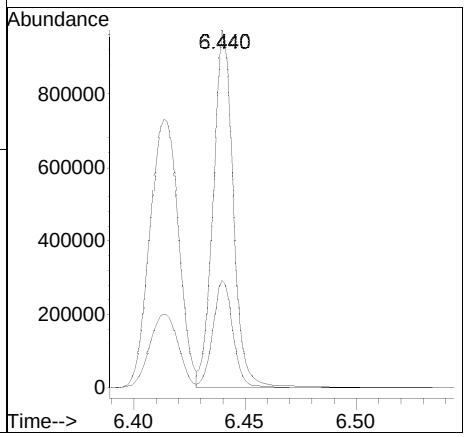


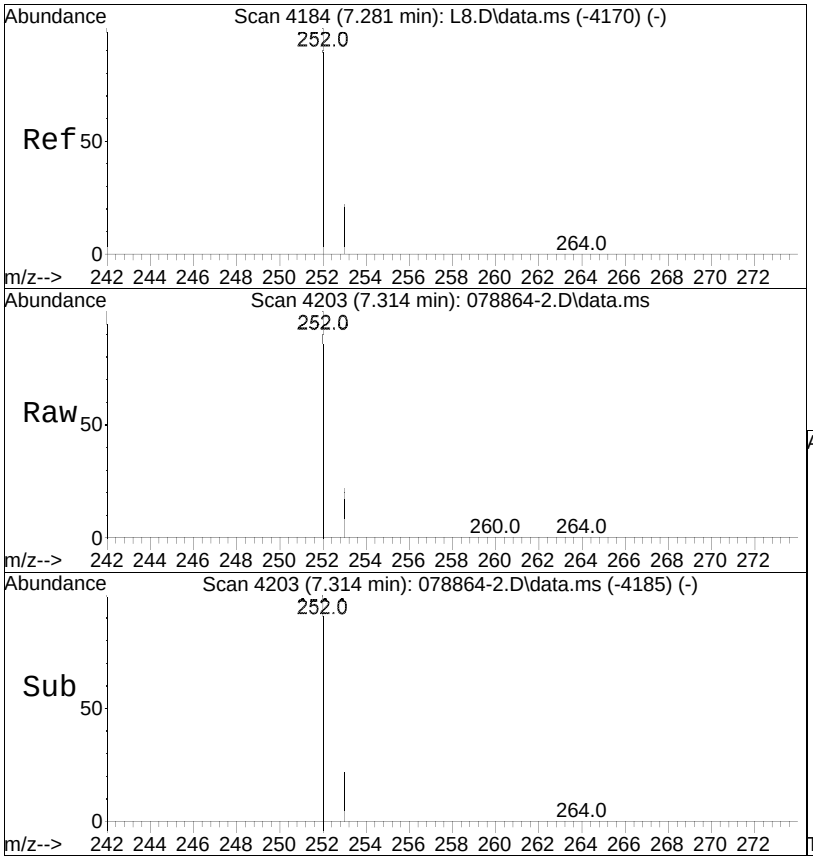


#36
Chrysene
Concen: 1297.01 ng/ml
RT: 6.440 min Scan# 3682
Delta R.T. -0.029 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:228 Resp: 610585

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	37.0

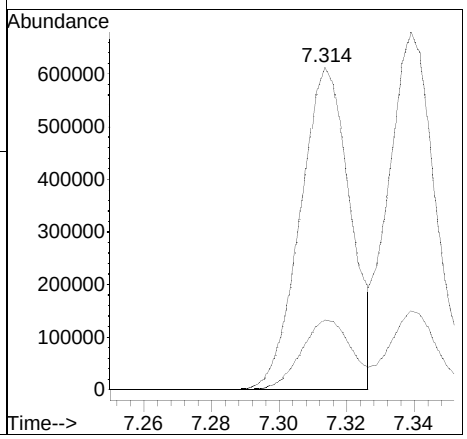


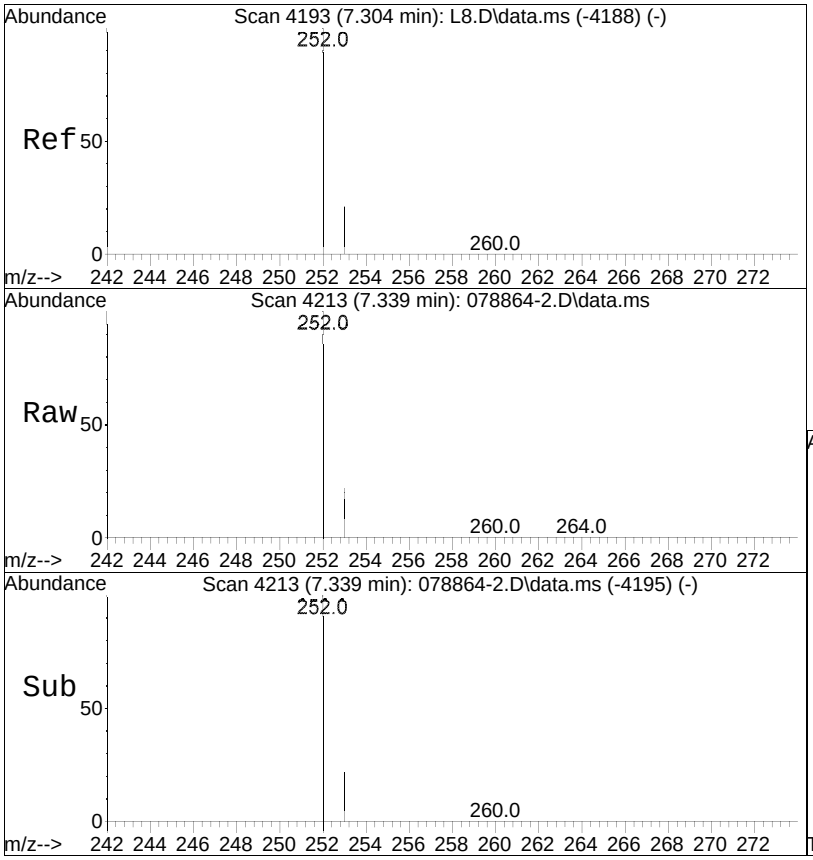


#39
Benzo[b]fluoranthene
Concen: 1360.27 ng/ml
RT: 7.314 min Scan# 4203
Delta R.T. -0.033 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:252 Resp: 631394

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1

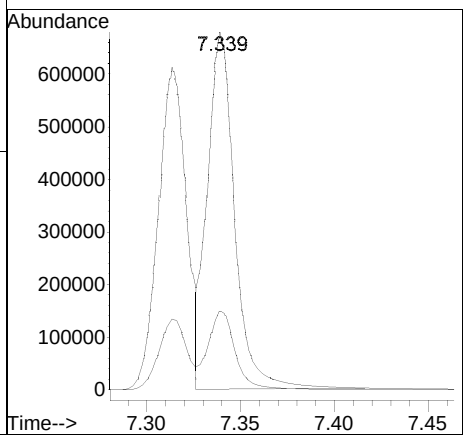


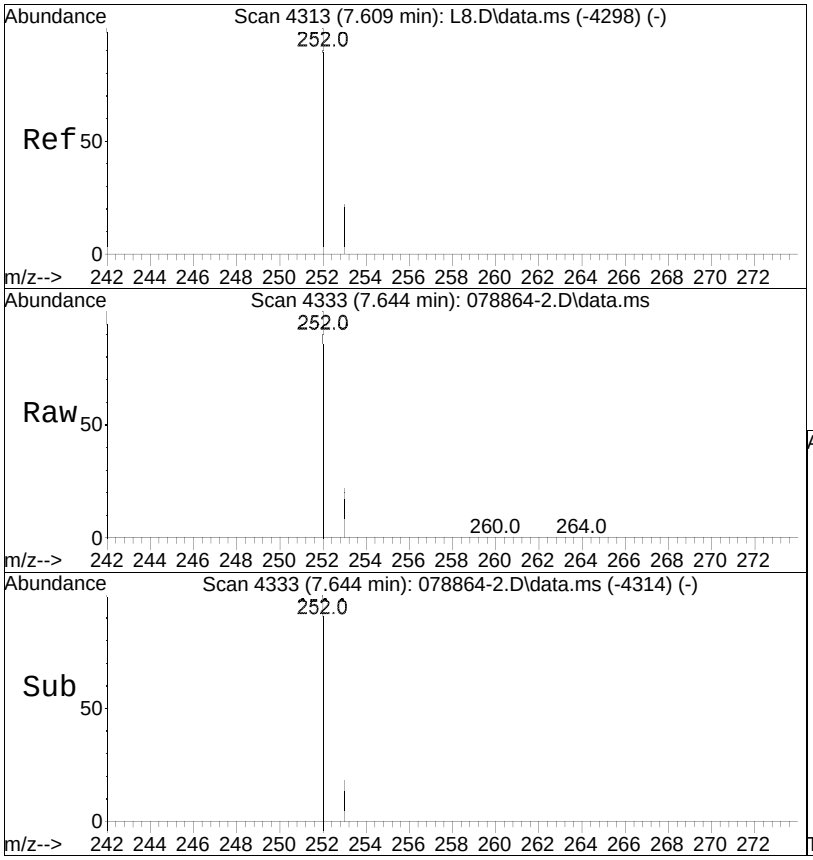


#40
Benzo[k]fluoranthene
Concen: 1384.63 ng/ml
RT: 7.339 min Scan# 4213
Delta R.T. -0.033 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:252 Resp: 678743

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.4

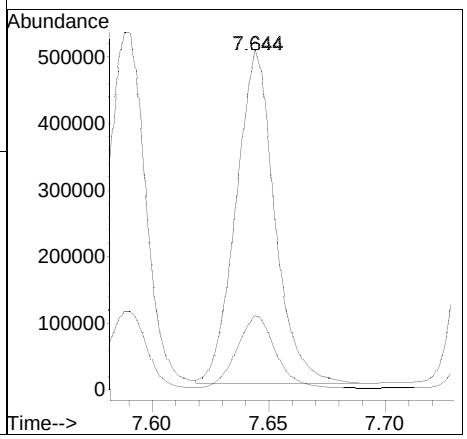


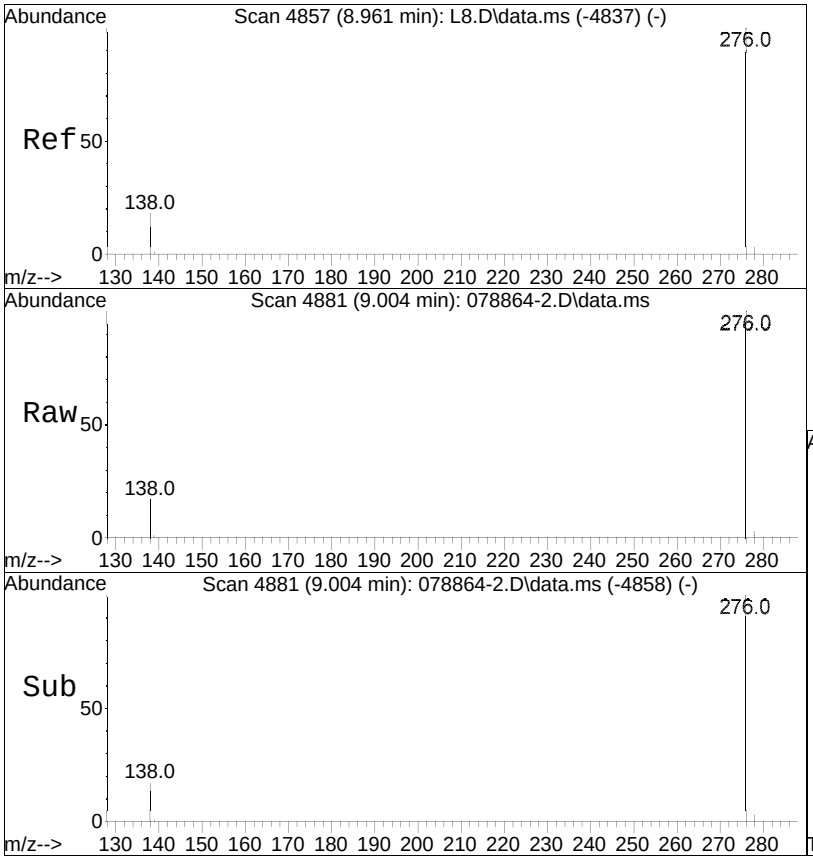


#41
Benzo[a]pyrene
Concen: 1369.13 ng/ml
RT: 7.644 min Scan# 4333
Delta R.T. -0.031 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:252 Resp: 578348

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

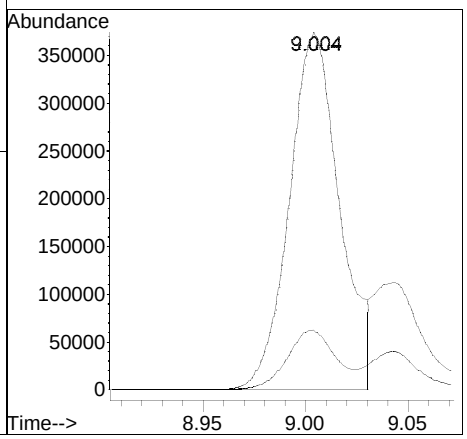


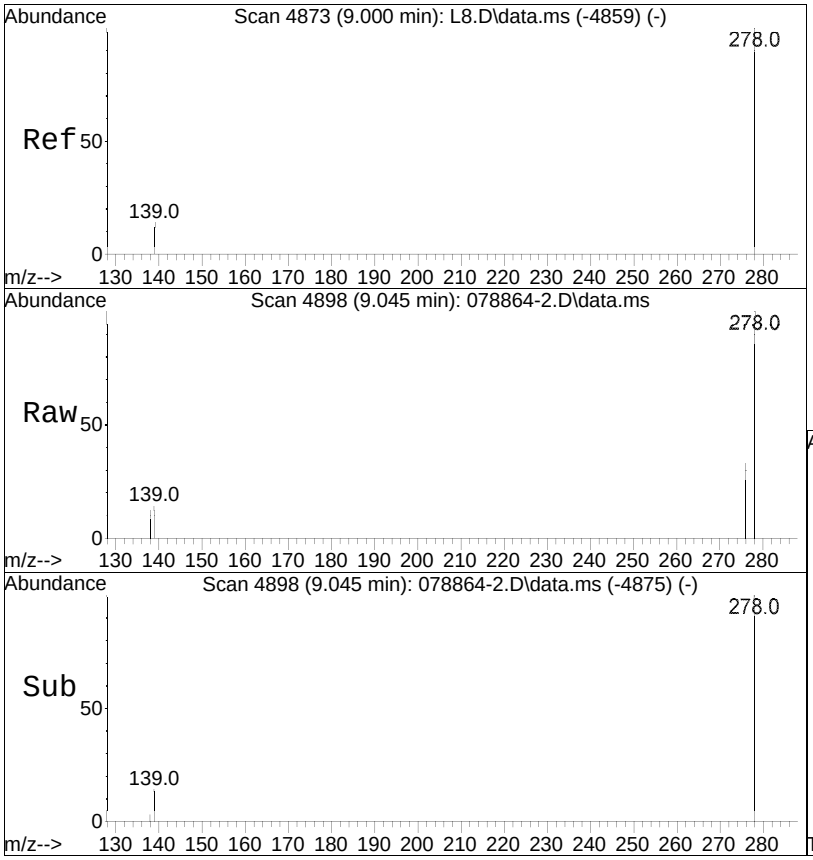


#42
Indeno[1,2,3-cd]pyrene
Concen: 1434.78 ng/ml
RT: 9.004 min Scan# 4881
Delta R.T. -0.024 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:276 Resp: 634464

Ion	Ratio	Lower	Upper
276	100		
138	16.0	14.4	21.6

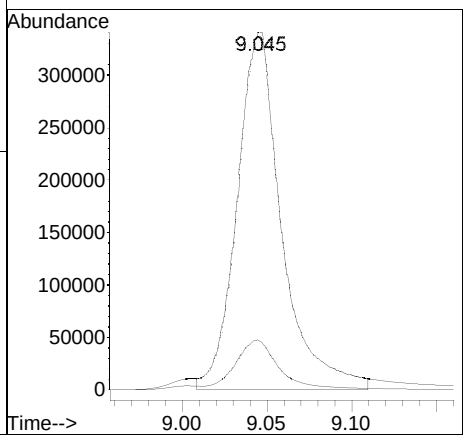


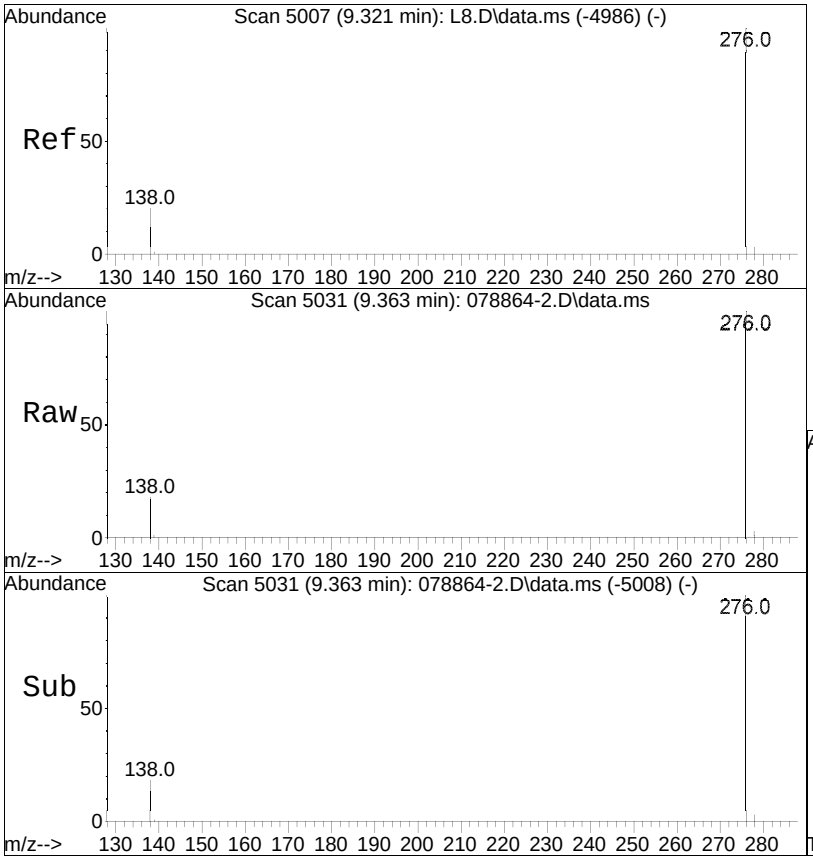


#43
Dibenzo[a,h]anthracene
Concen: 1464.97 ng/ml M6
RT: 9.045 min Scan# 4898
Delta R.T. -0.024 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:278 Resp: 618950

Ion	Ratio	Lower	Upper
278	100		
139	12.9	12.1	18.1

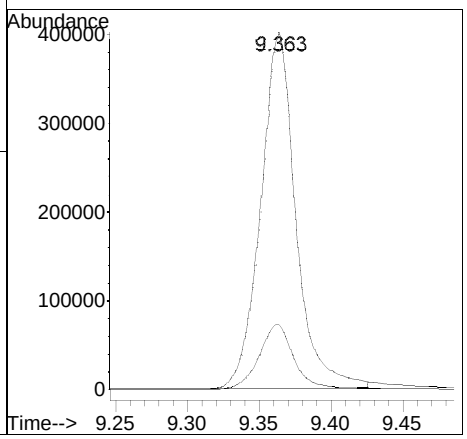




#44
Benzo[g,h,i]perylene
Concen: 1492.44 ng/ml
RT: 9.363 min Scan# 5031
Delta R.T. -0.024 min
Lab File: 078864-2.D
Acq: 23 Jun 2025 04:06 pm

Tgt Ion:276 Resp: 676401

Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.0	24.0

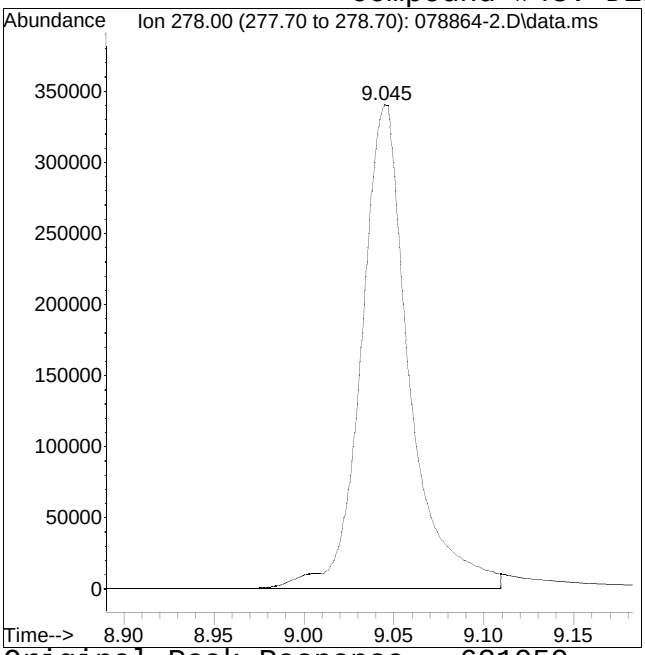


Manual Integration Report

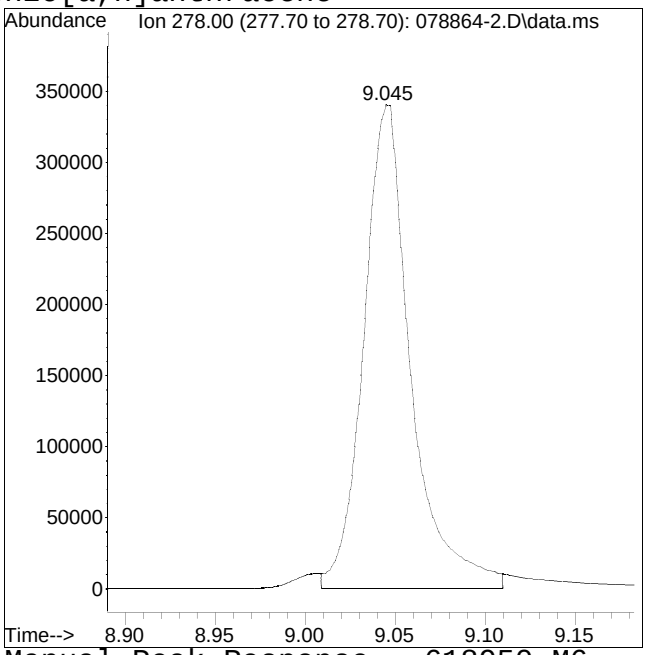
Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 078864-2.D
Date Inj'd : 6/23/2025 4:06 pm
Sample : WG2078864-2,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 6/23/2025 4:20 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 631059



Manual Peak Response = 618950 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-3.D
Acq On : 23 Jun 2025 04:23 pm
Operator : sv119:rp
Sample : WG2078864-3,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 19:10:12 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	285724	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery	= 128.03%		
9) Naphthalene-d8	2.967	136	1083996	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery	= 129.12%		
18) Acenaphthene-d10	3.946	164	651886	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery	= 130.03%		
23) Phenanthrene-d10	4.794	188	1380208	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery	= 126.44%		
33) Chrysene-d12	6.420	240	1385976	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery	= 119.09%		
38) Perylene-d12	7.714	264	1489960	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery	= 122.01%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.730	112	83603	1041.802	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 52.09%		
4) Phenol-d6	2.120	99	80645	773.989	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 38.70%		
8) Nitrobenzene-d5	2.584	82	61560	716.211	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 71.62%		
14) 2-Fluorobiphenyl	3.563	172	168302	686.237	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 68.62%		
22) 2,4,6-Tribromophenol	4.394	330	52368	1601.376	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	= 80.07%		
32) 4-Terphenyl-d14	5.737	244	249838	805.092	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	= 80.51%		
Target Compounds						Qvalue
7) Hexachloroethane	2.565	117	36403	959.880	ng/ml	97
10) Naphthalene	2.979	128	345477	1216.398	ng/ml	99
11) Hexachlorobutadiene	3.049	225	55042	978.772	ng/ml	100
12) 2-Methylnaphthalene	3.358	142	232814	1236.200	ng/ml	100
15) 2-Chloronaphthalene	3.630	162	265643	1257.723	ng/ml	98
17) Acenaphthylene	3.864	152	473751	1349.374	ng/ml	100
19) Acenaphthene	3.963	153	283583	1309.673	ng/ml	95
21) Fluorene	4.255	166	354175	1367.259	ng/ml	99
25) Hexachlorobenzene	4.575	284	131363	1537.736	ng/ml	93
26) Pentachlorophenol	4.689	266	67630	1668.481	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-3.D
Acq On : 23 Jun 2025 04:23 pm
Operator : sv119:rp
Sample : WG2078864-3,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 19:10:12 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	4.808	178	550484	1342.100	ng/ml	100
28) Anthracene	4.836	178	558708	1396.247	ng/ml	100
29) Fluoranthene	5.505	202	715665	1434.521	ng/ml	100
30) Pyrene	5.641	202	727719	1413.724	ng/ml	100
34) Benzo[a]anthracene	6.409	228	698687	1434.077	ng/ml	100
36) Chrysene	6.436	228	658342	1444.864	ng/ml	98
39) Benzo[b]fluoranthene	7.310	252	679374	1512.921	ng/ml	98
40) Benzo[k]fluoranthene	7.335	252	721254	1520.900	ng/ml	98
41) Benzo[a]pyrene	7.640	252	624788	1528.875	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	9.005	276	655820	1532.709	ng/ml	97
43) Dibenzo[a,h]anthracene	9.039	278	647055M6	1582.664	ng/ml	
44) Benzo[g,h,i]perylene	9.362	276	709548	1617.997	ng/ml	97

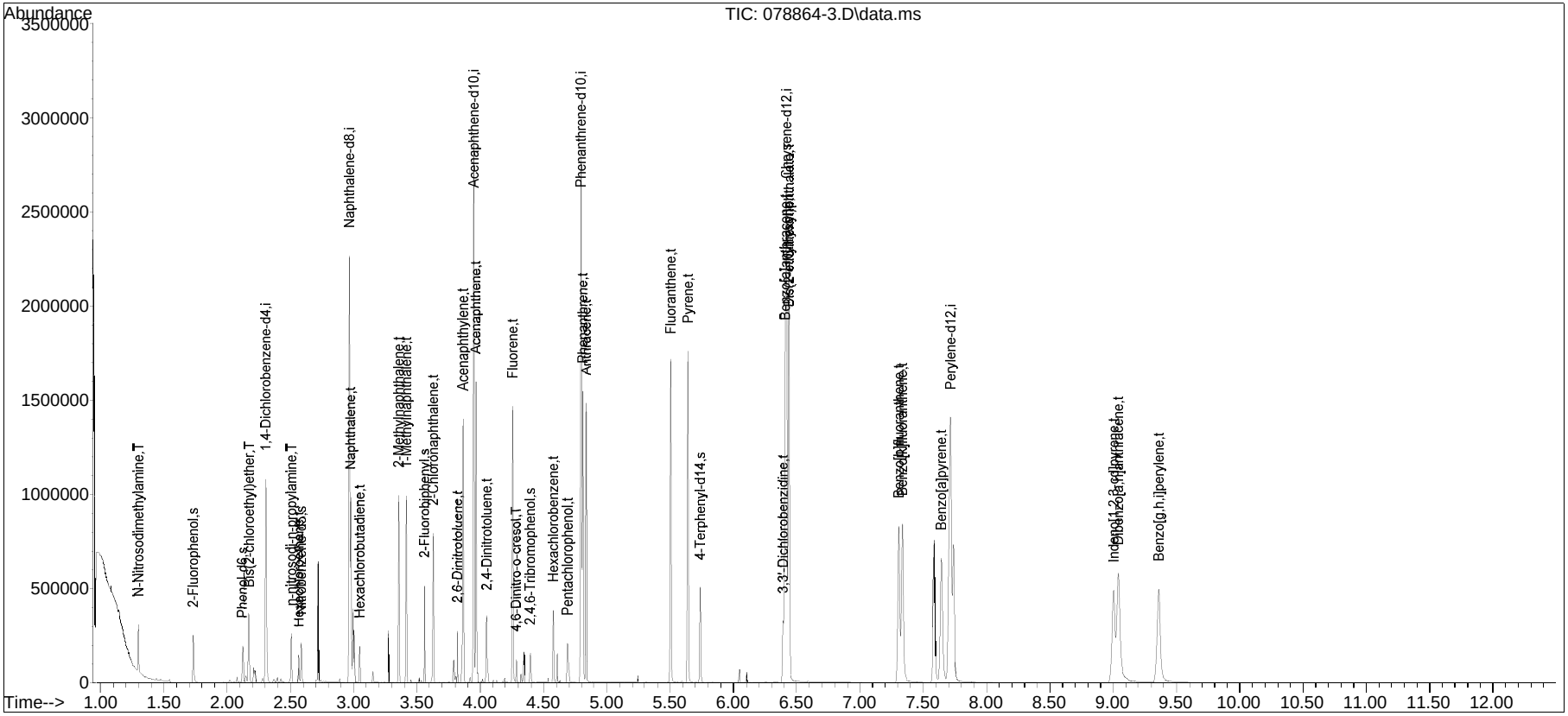
(#) = qualifier out of range (m) = manual integration (+) = signals summed

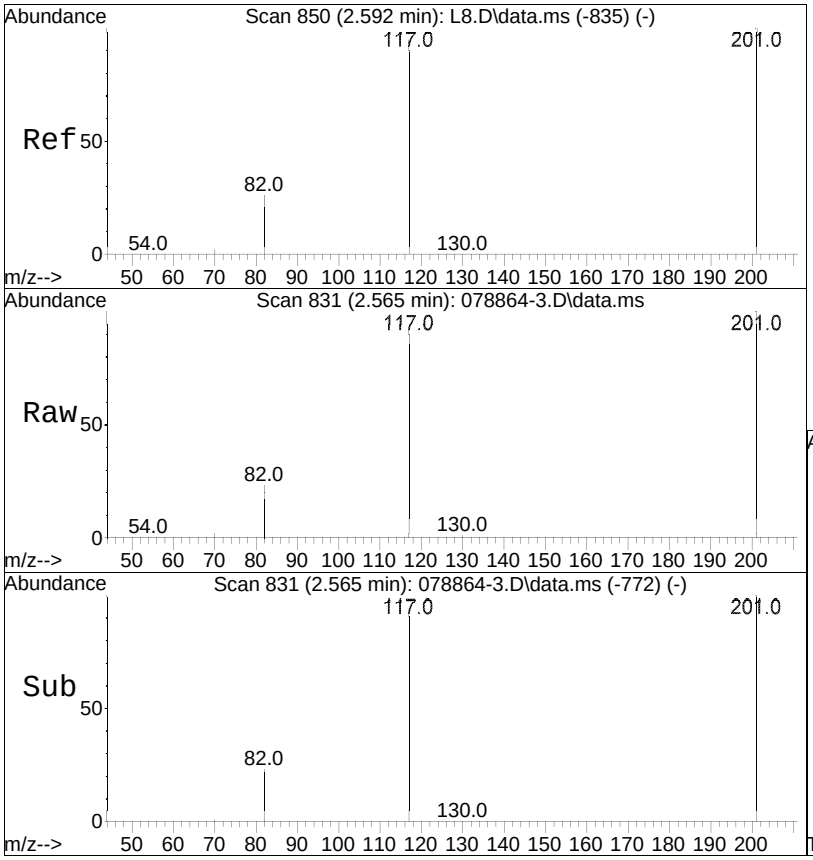
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-3.D
Acq On : 23 Jun 2025 04:23 pm
Operator : sv119:rp
Sample : WG2078864-3,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 23 19:10:12 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•

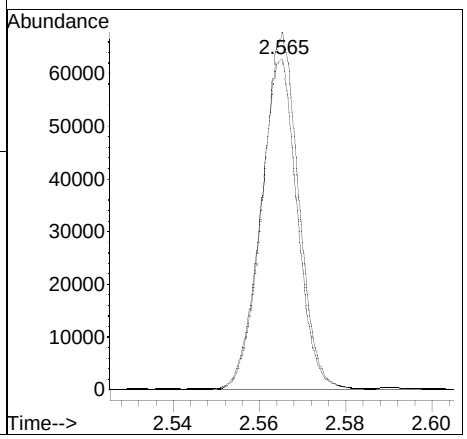


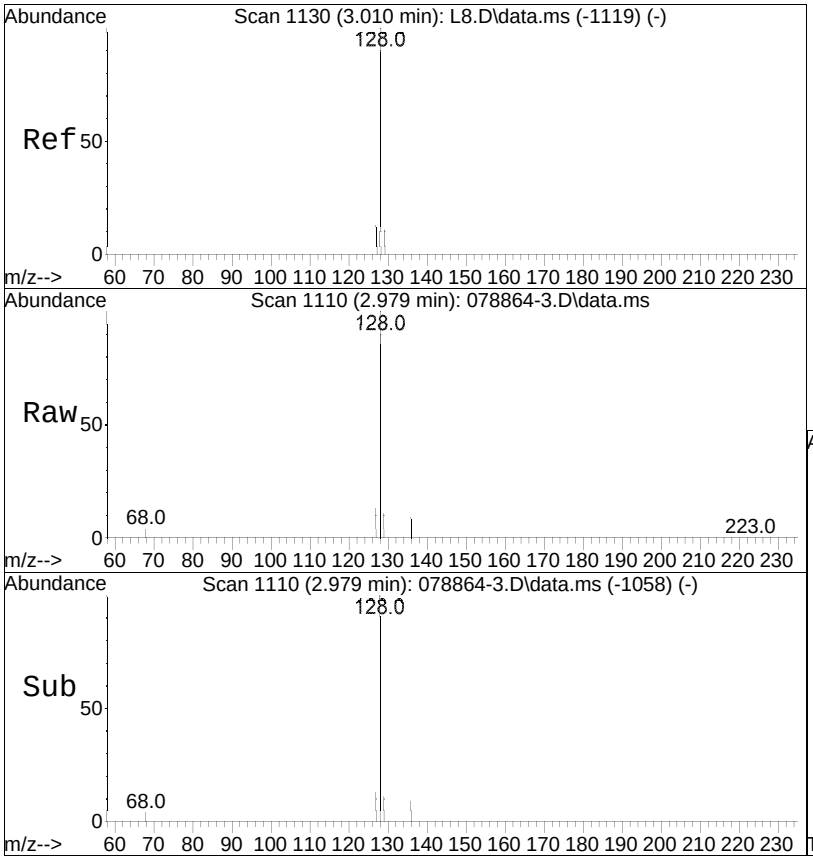


#7
Hexachloroethane
Concen: 959.88 ng/ml
RT: 2.565 min Scan# 831
Delta R.T. 0.002 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:117 Resp: 36403

Ion	Ratio	Lower	Upper
117	100		
201	107.1	82.9	124.3

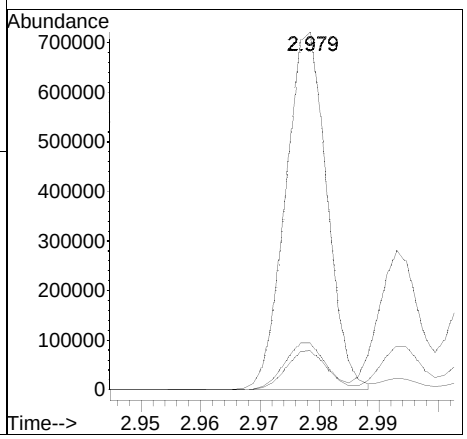


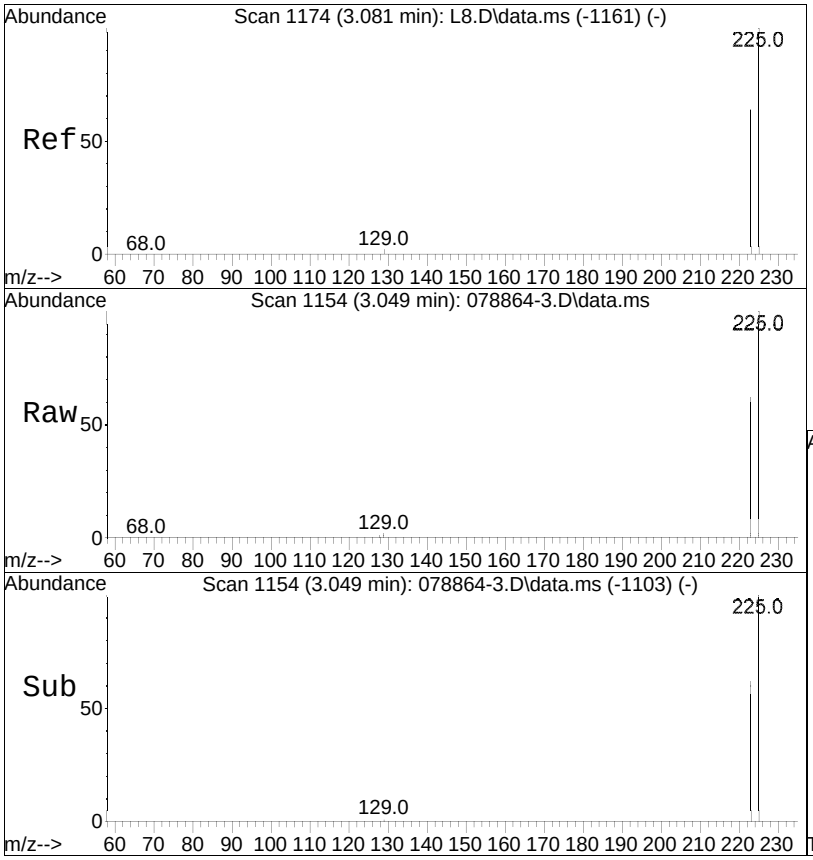


#10
Naphthalene
Concen: 1216.40 ng/ml
RT: 2.979 min Scan# 1110
Delta R.T. 0.003 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:128 Resp: 345477

Ion	Ratio	Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.4	10.6	15.8

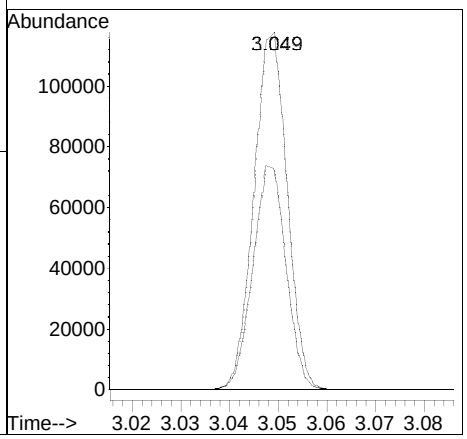


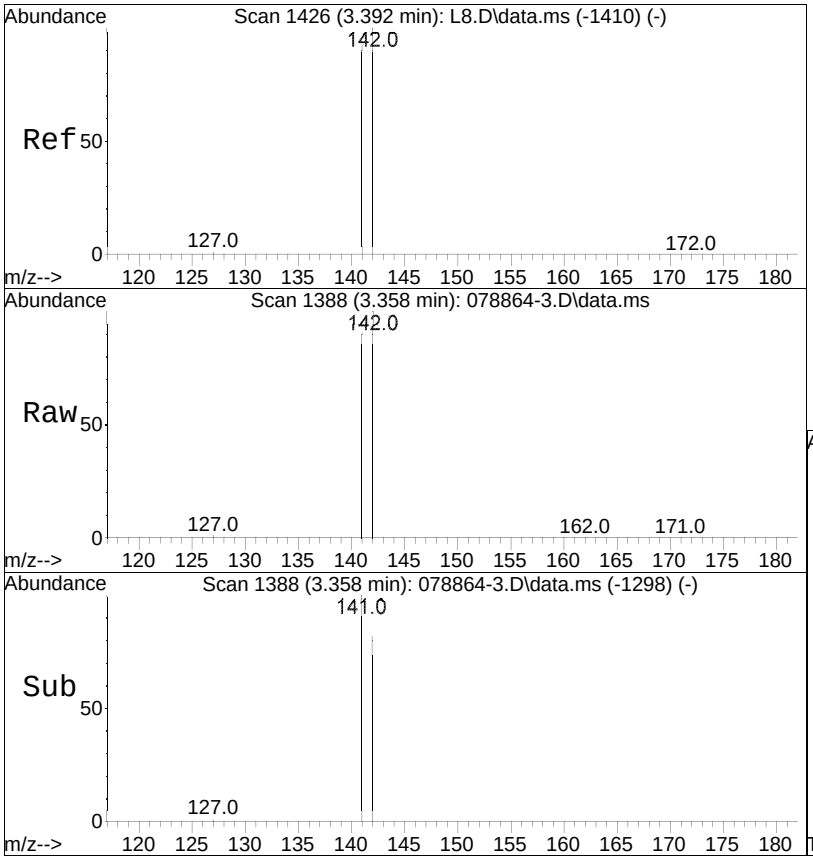


#11
Hexachlorobutadiene
Concen: 978.77 ng/ml
RT: 3.049 min Scan# 1154
Delta R.T. 0.001 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:225 Resp: 55042

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.4

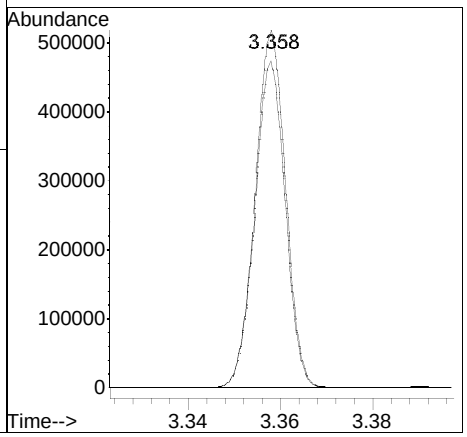


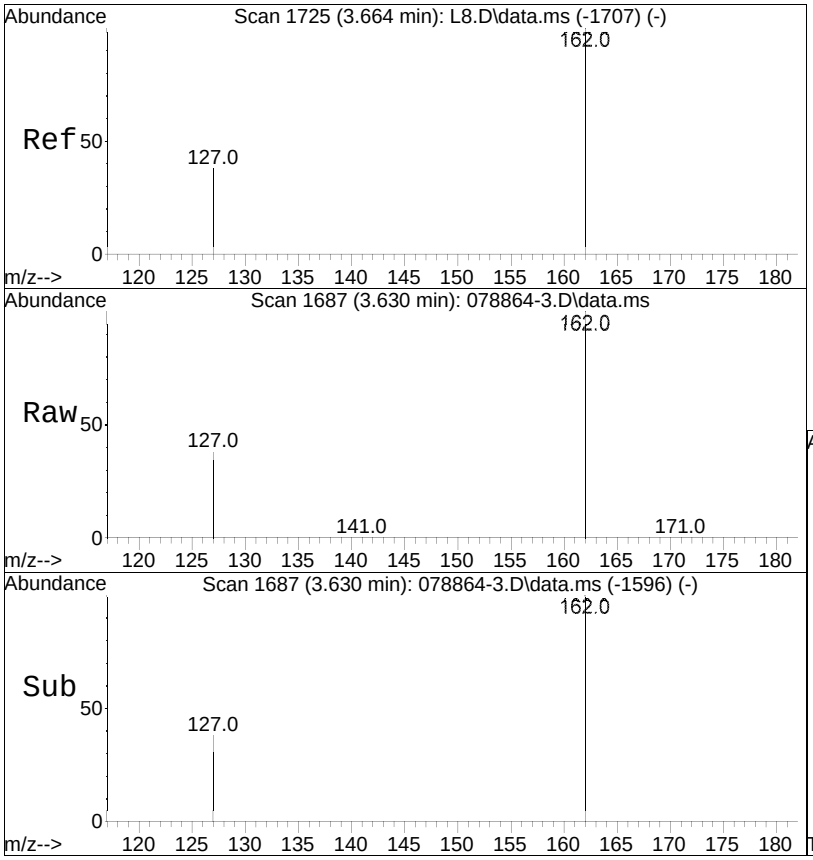


#12
2-Methylnaphthalene
Concen: 1236.20 ng/ml
RT: 3.358 min Scan# 1388
Delta R.T. 0.001 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:142 Resp: 232814

Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

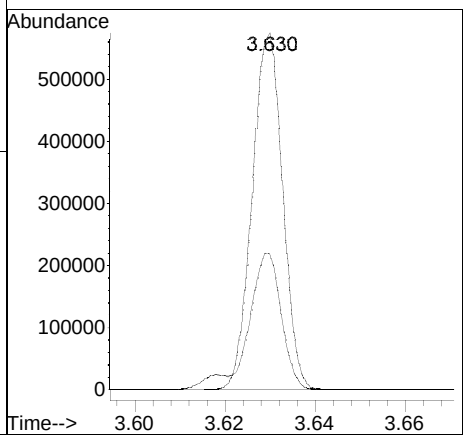


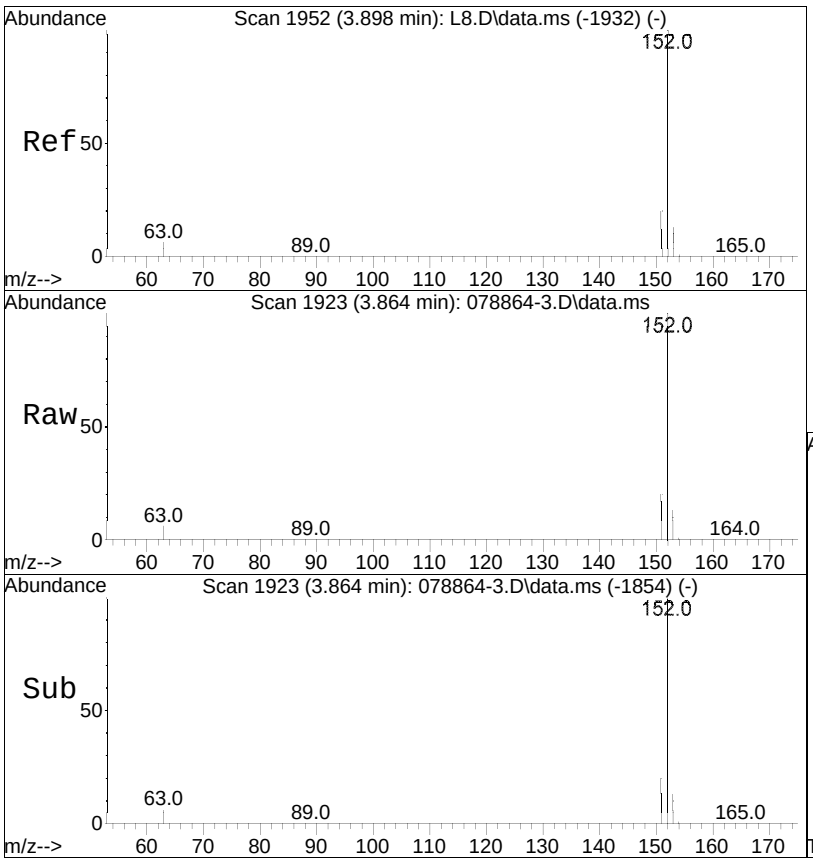


#15
2-Chloronaphthalene
Concen: 1257.72 ng/ml
RT: 3.630 min Scan# 1687
Delta R.T. 0.002 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:162 Resp: 265643

Ion	Ratio	Lower	Upper
162	100		
127	38.7	29.8	44.8

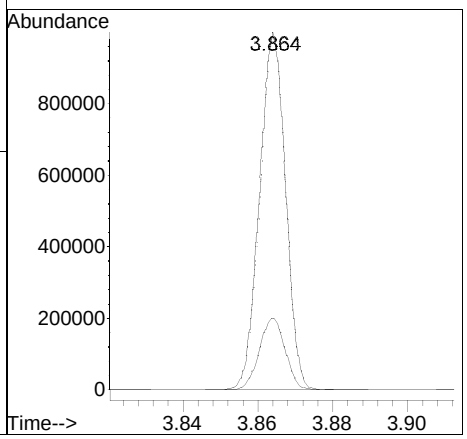


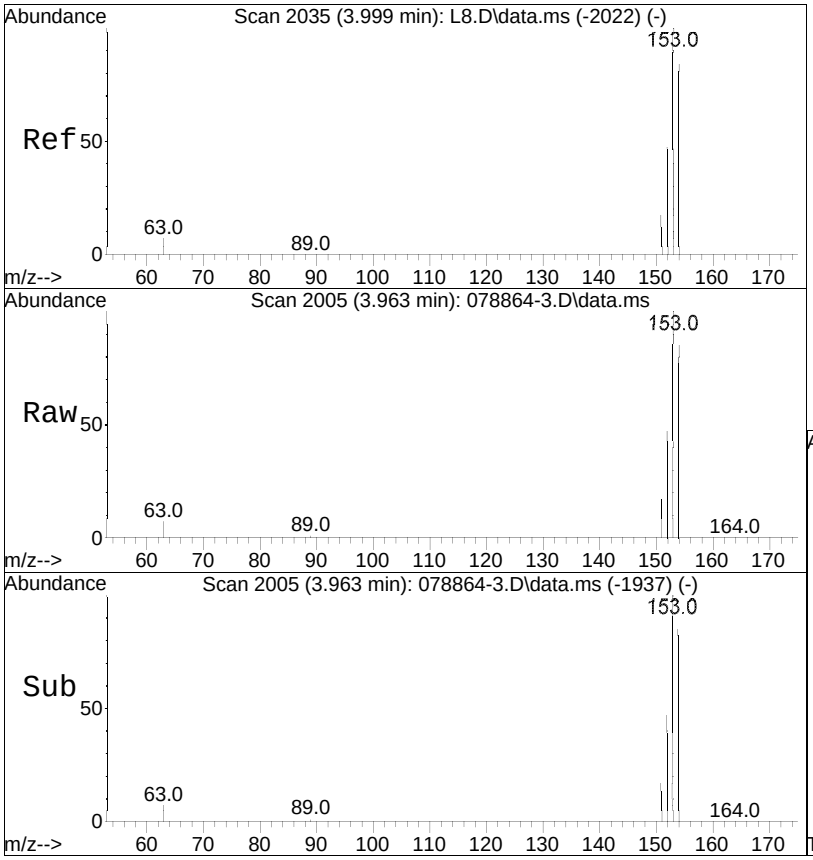


#17
Acenaphthylene
Concen: 1349.37 ng/ml
RT: 3.864 min Scan# 1923
Delta R.T. 0.002 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:152 Resp: 473751

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.2	24.2

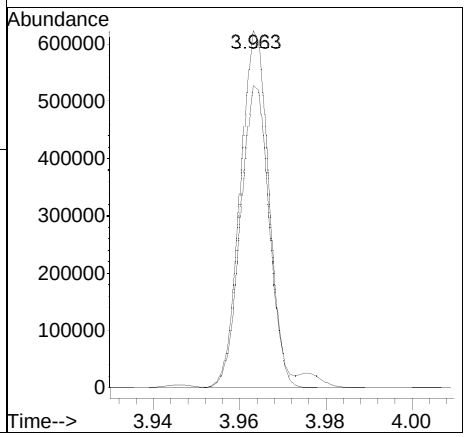


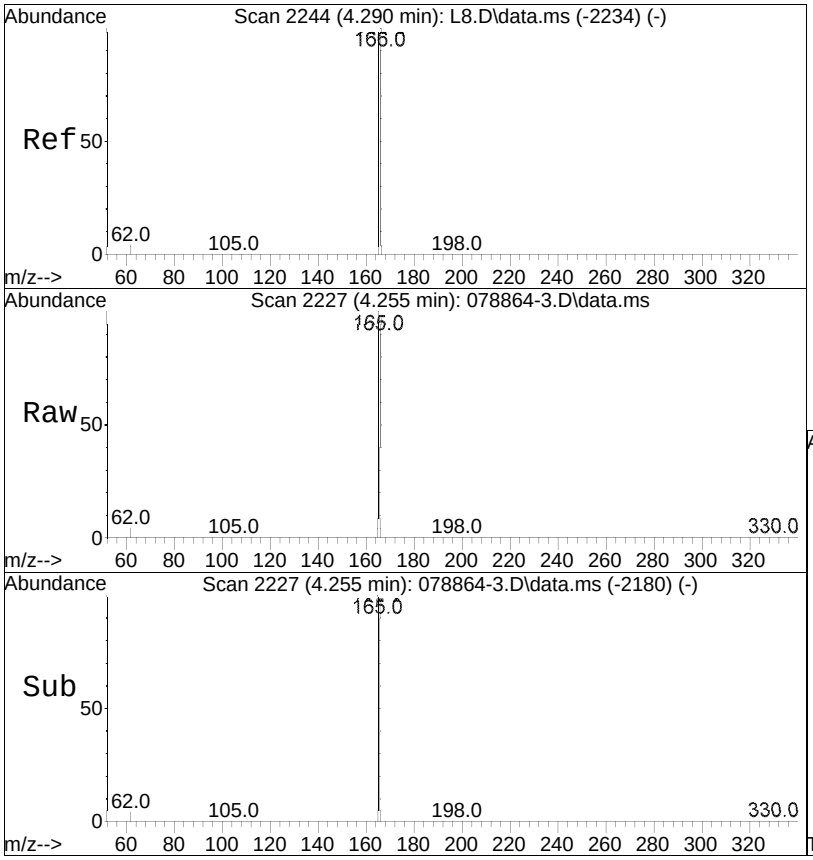


#19
Acenaphthene
Concen: 1309.67 ng/ml
RT: 3.963 min Scan# 2005
Delta R.T. 0.002 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:153 Resp: 283583

Ion	Ratio	Lower	Upper
153	100		
154	85.4	72.0	108.0

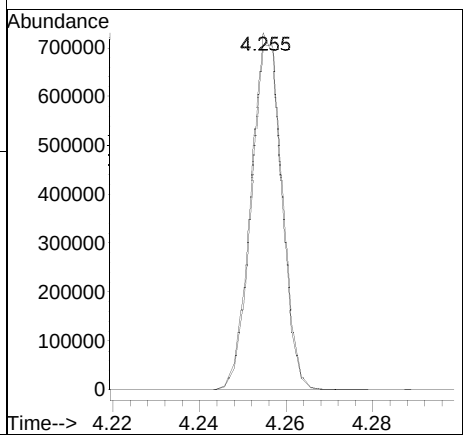


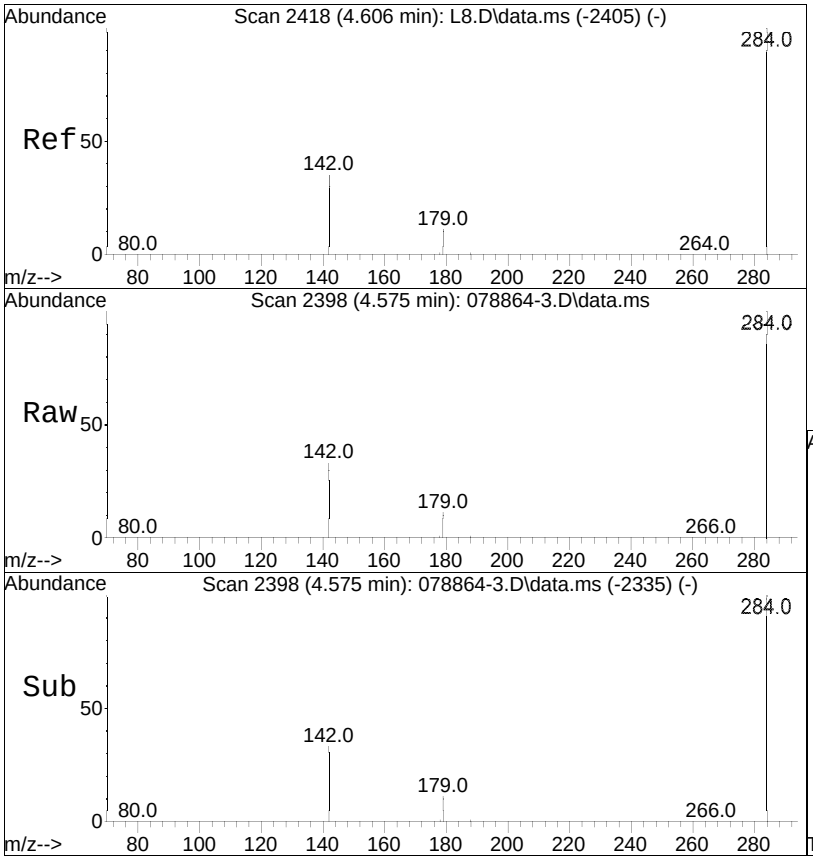


#21
Fluorene
Concen: 1367.26 ng/ml
RT: 4.255 min Scan# 2227
Delta R.T. -0.000 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:166 Resp: 354175

Ion	Ratio	Lower	Upper
166	100		
165	100.9	81.5	122.3

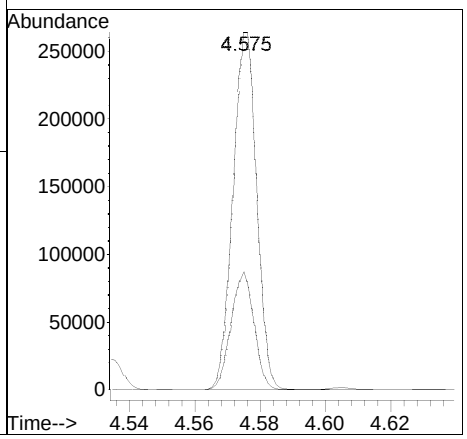


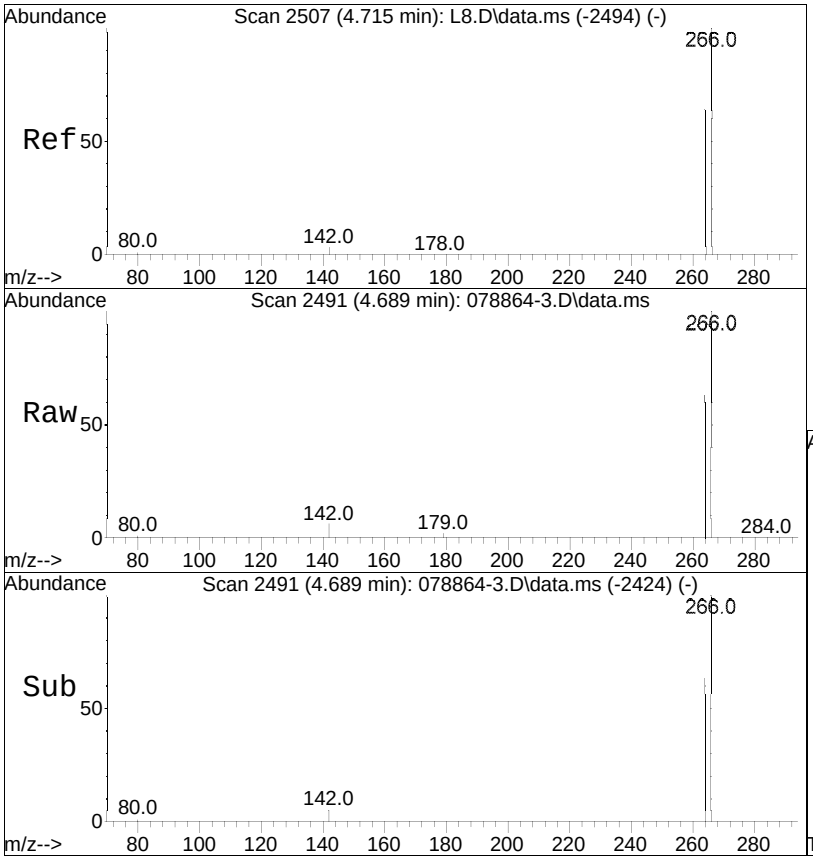


#25
Hexachlorobenzene
Concen: 1537.74 ng/ml
RT: 4.575 min Scan# 2398
Delta R.T. 0.001 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:284 Resp: 131363

Ion	Ratio	Lower	Upper
284	100		
142	32.0	28.8	43.2

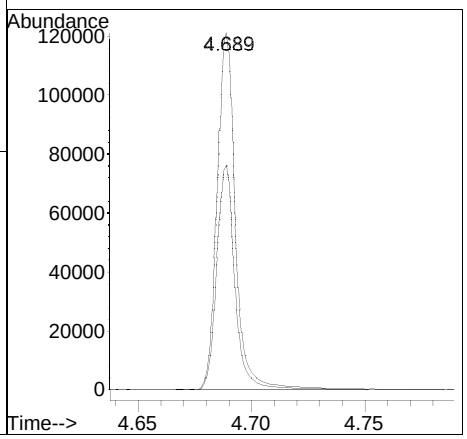


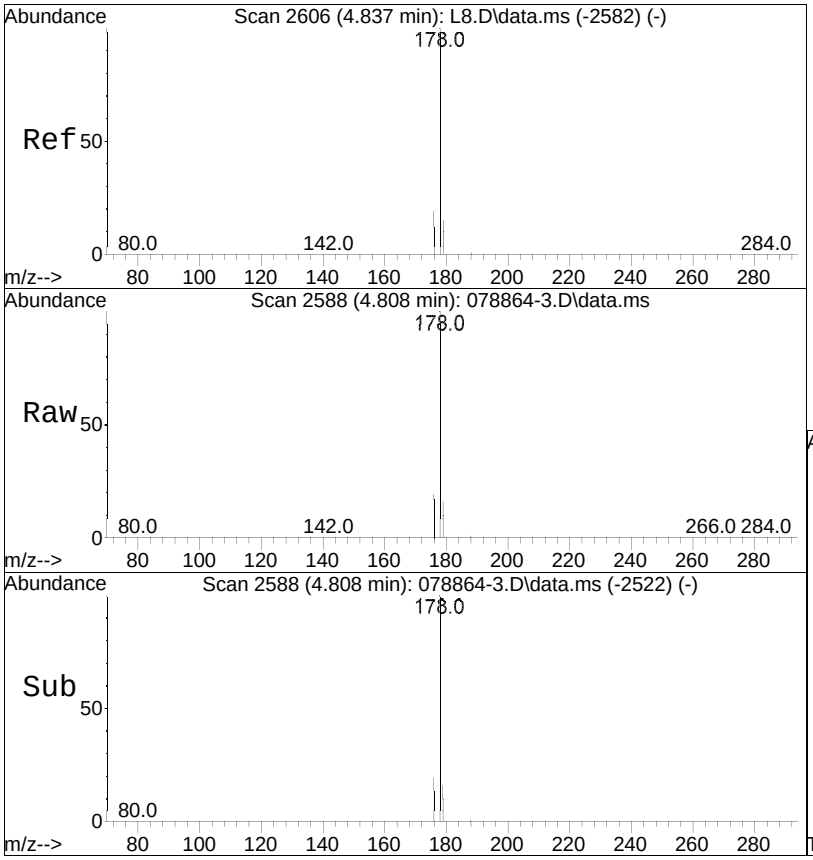


#26
Pentachlorophenol
Concen: 1668.48 ng/ml
RT: 4.689 min Scan# 2491
Delta R.T. 0.002 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:266 Resp: 67630

Ion	Ratio	Lower	Upper
266	100		
264	62.8	50.6	76.0

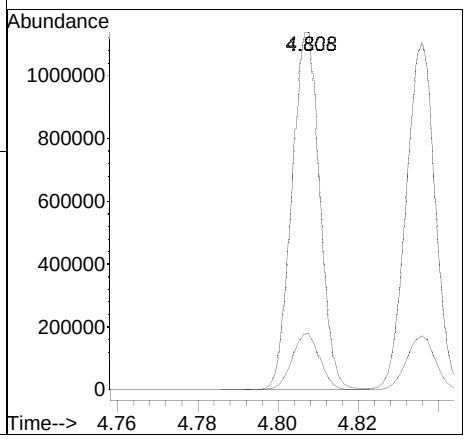


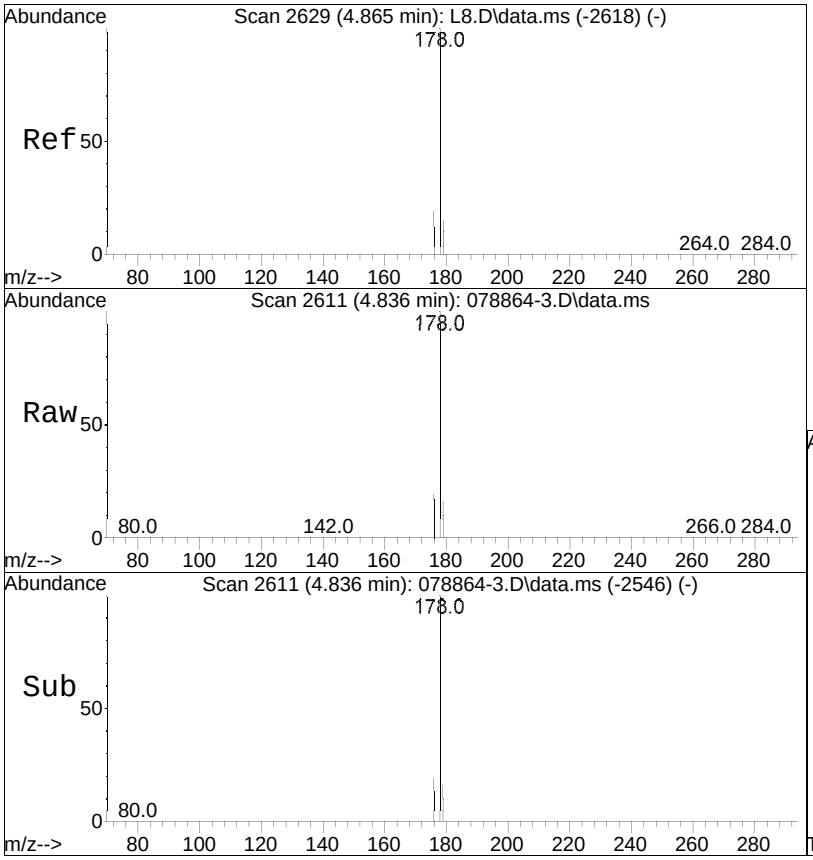


#27
Phenanthrene
Concen: 1342.10 ng/ml
RT: 4.808 min Scan# 2588
Delta R.T. 0.001 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:178 Resp: 550484

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

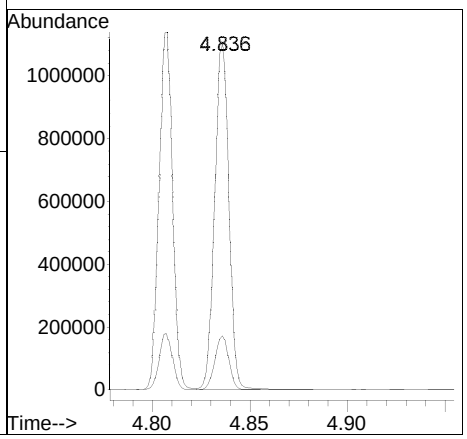


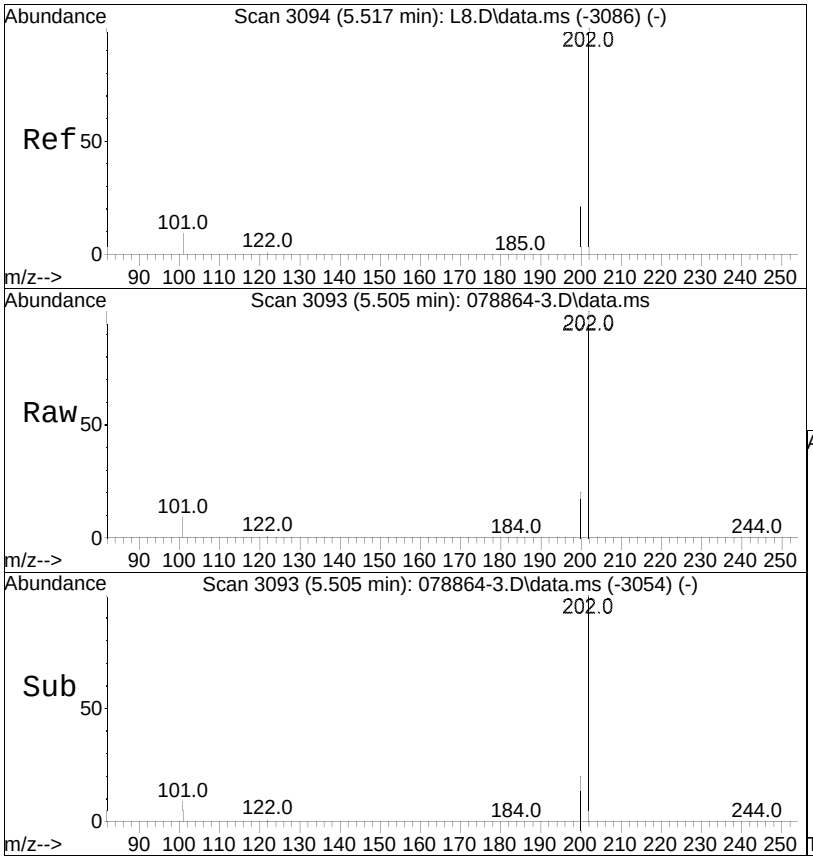


#28
Anthracene
Concen: 1396.25 ng/ml
RT: 4.836 min Scan# 2611
Delta R.T. -0.000 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:178 Resp: 558708

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2

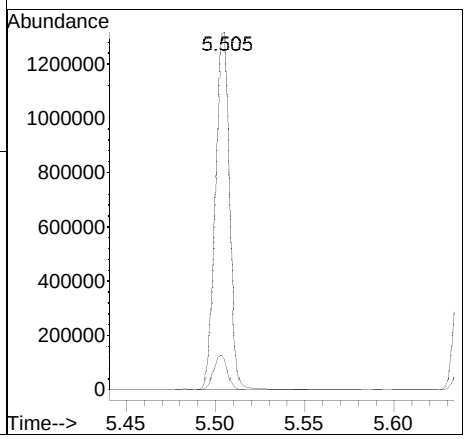


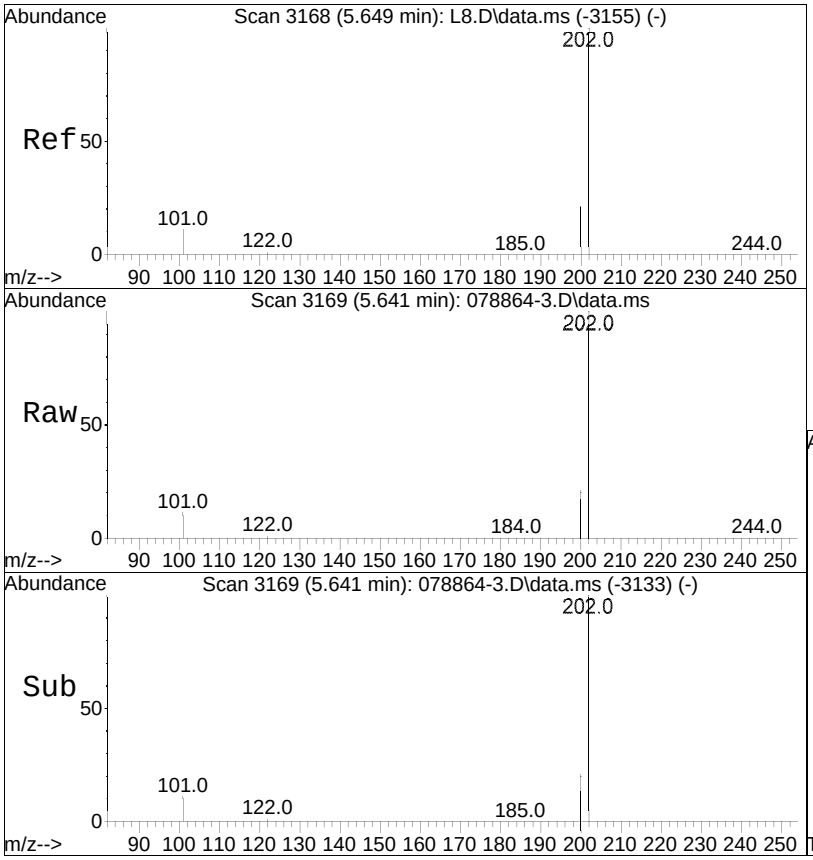


#29
Fluoranthene
Concen: 1434.52 ng/ml
RT: 5.505 min Scan# 3093
Delta R.T. -0.011 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:202 Resp: 715665

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.5	11.3

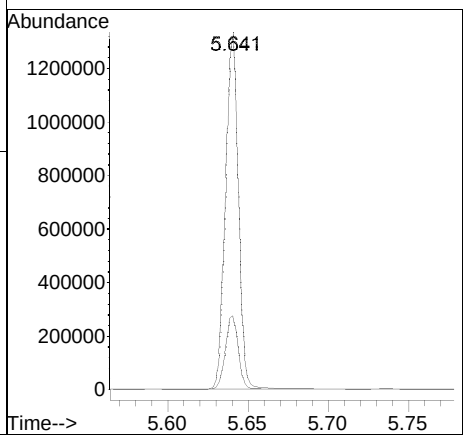


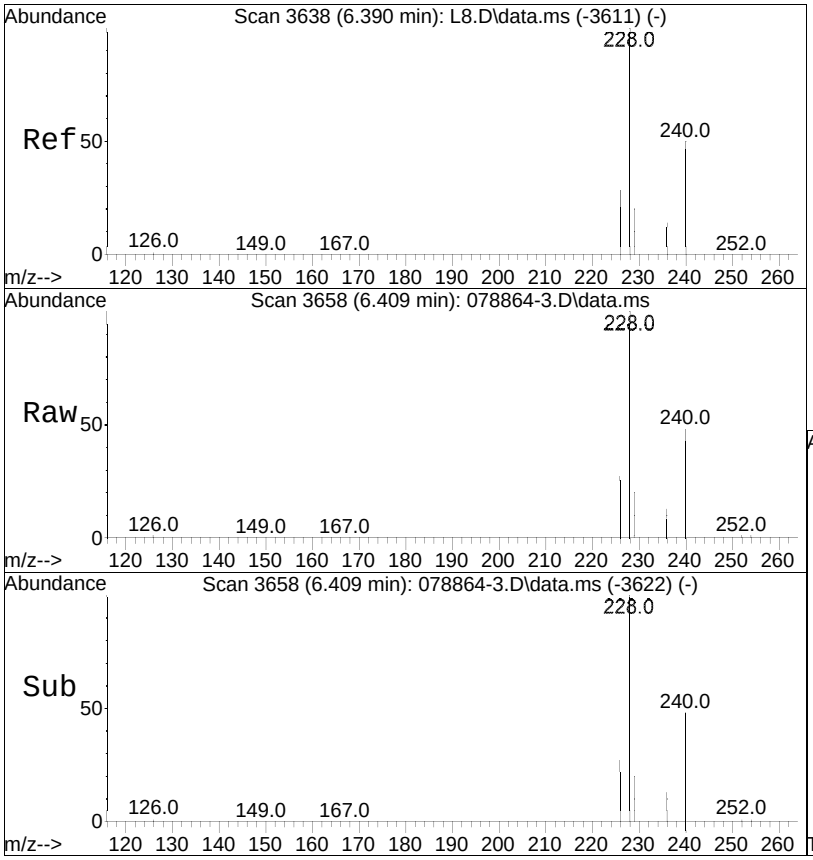


#30
Pyrene
Concen: 1413.72 ng/ml
RT: 5.641 min Scan# 3169
Delta R.T. -0.016 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:202 Resp: 727719

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

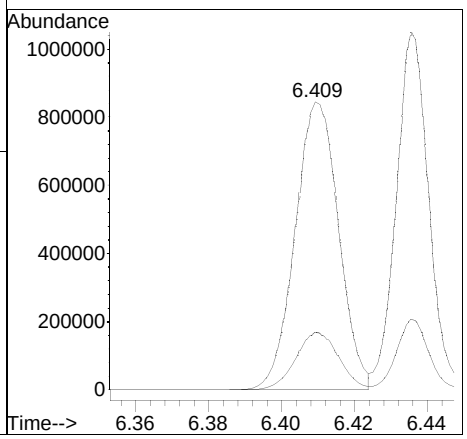


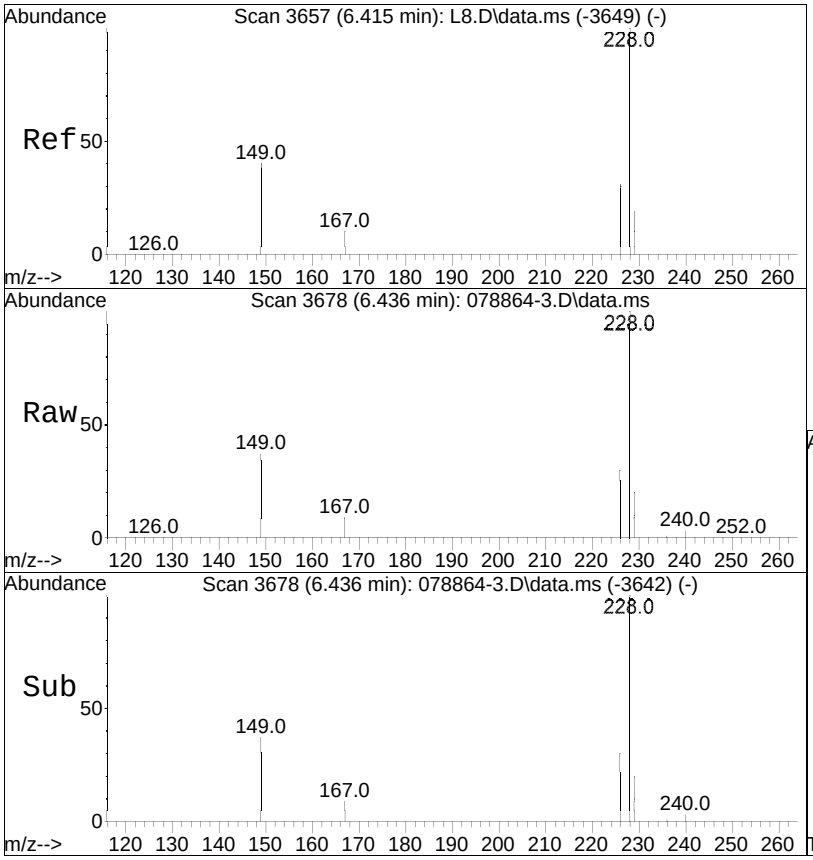


#34
Benzo[a]anthracene
Concen: 1434.08 ng/ml
RT: 6.409 min Scan# 3658
Delta R.T. -0.033 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:228 Resp: 698687

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.8	23.6

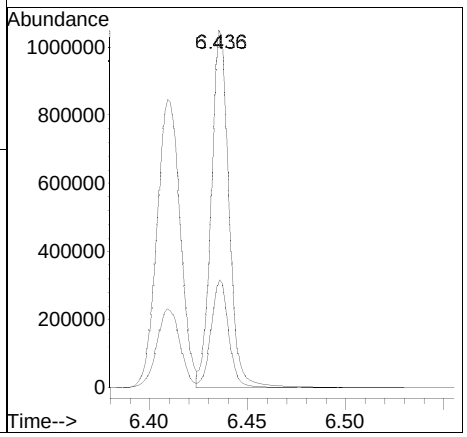


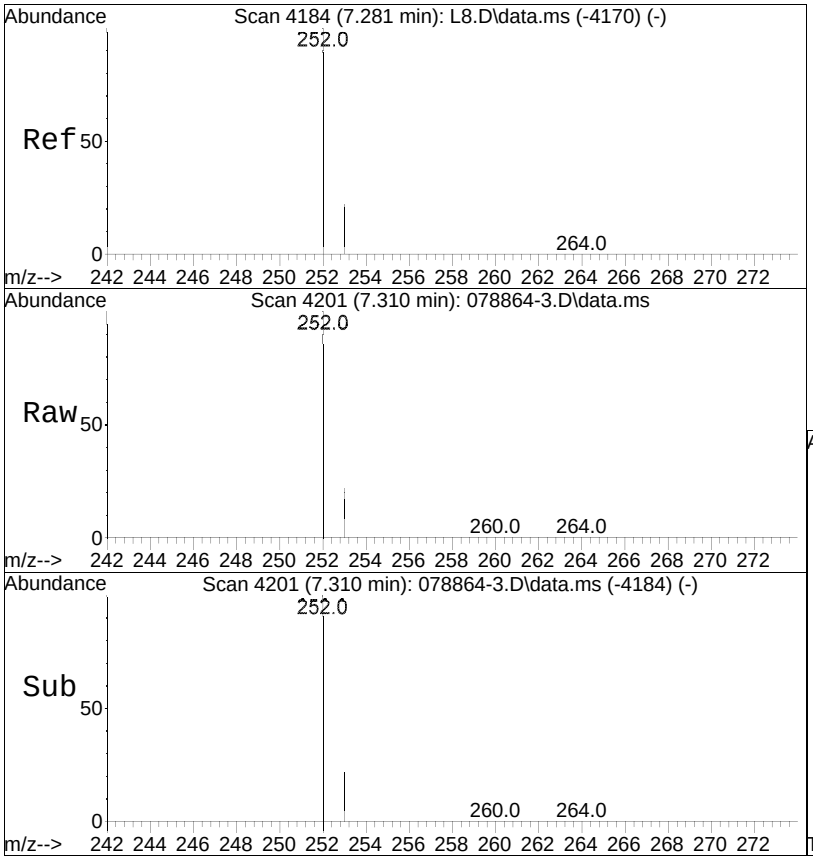


#36
Chrysene
Concen: 1444.86 ng/ml
RT: 6.436 min Scan# 3678
Delta R.T. -0.033 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:228 Resp: 658342

Ion	Ratio	Lower	Upper
228	100		
226	29.9	24.6	37.0

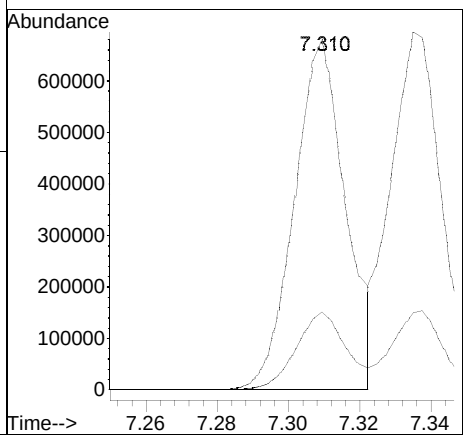


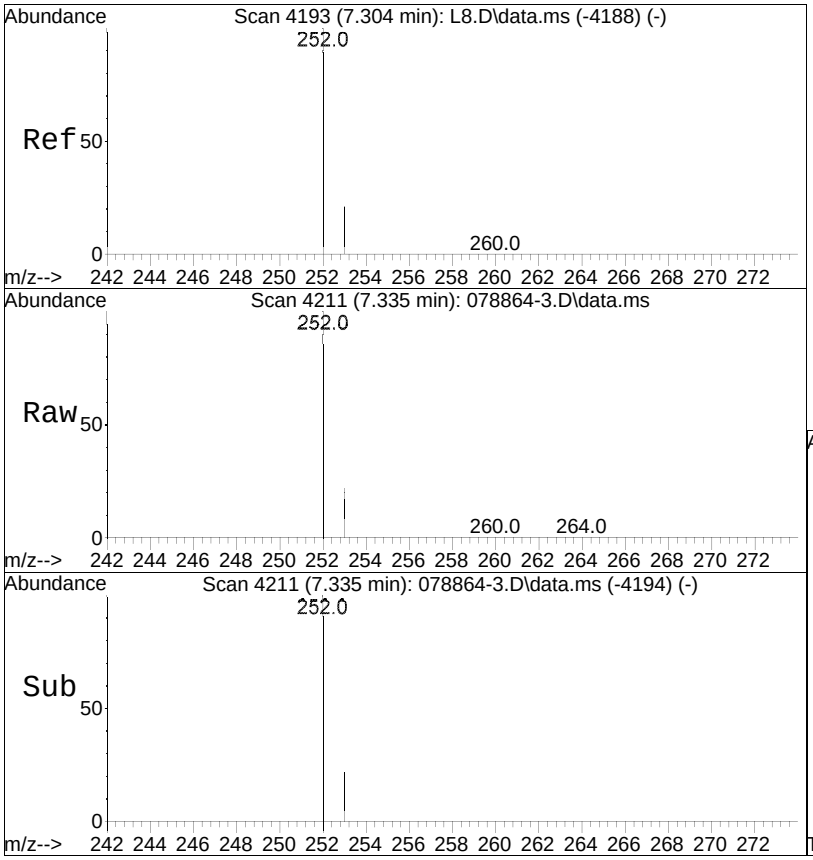


#39
Benzo[b]fluoranthene
Concen: 1512.92 ng/ml
RT: 7.310 min Scan# 4201
Delta R.T. -0.037 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:252 Resp: 679374

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1

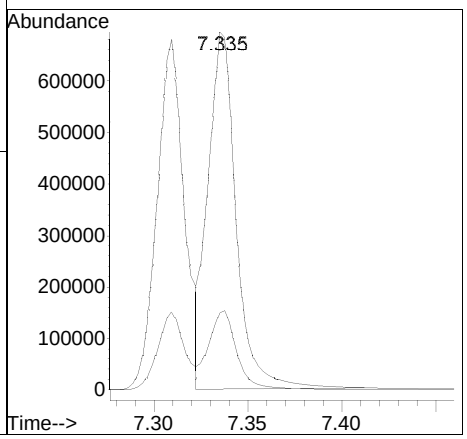


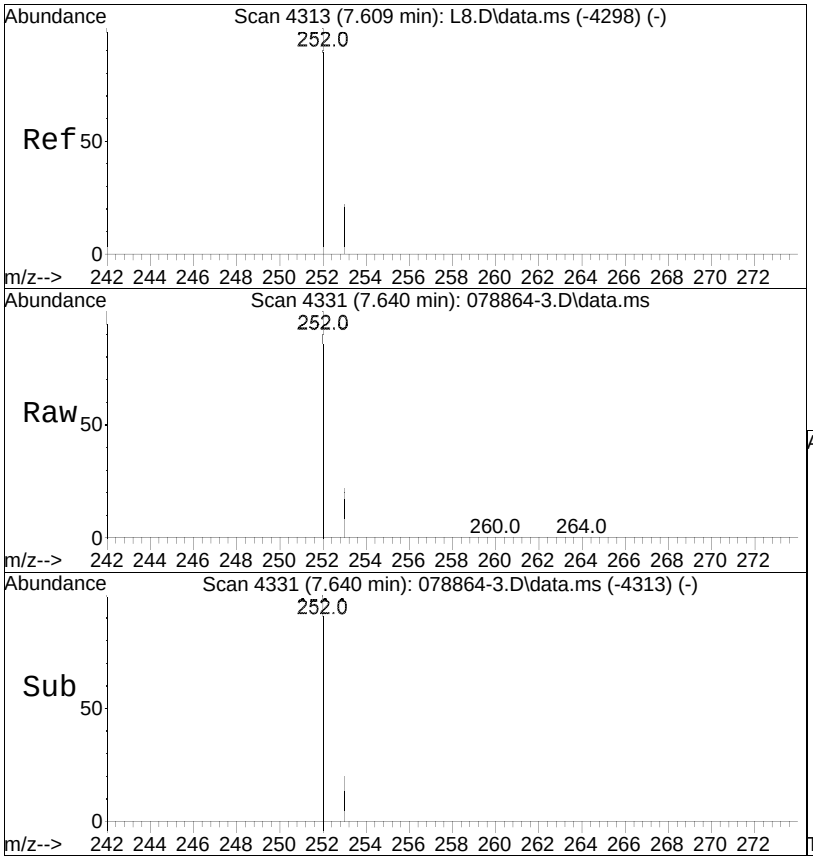


#40
Benzo[k]fluoranthene
Concen: 1520.90 ng/ml
RT: 7.335 min Scan# 4211
Delta R.T. -0.037 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:252 Resp: 721254

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4

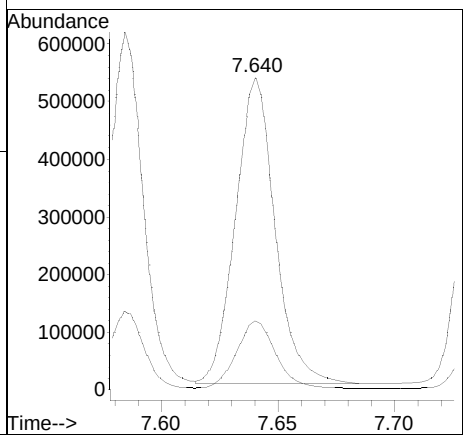


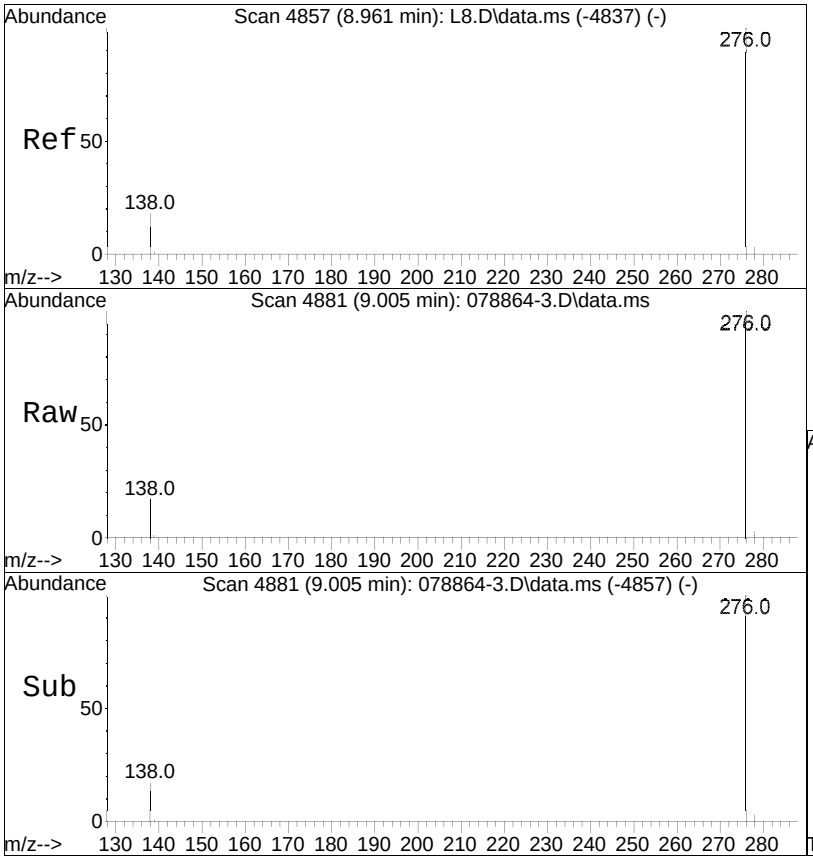


#41
Benzo[a]pyrene
Concen: 1528.87 ng/ml
RT: 7.640 min Scan# 4331
Delta R.T. -0.034 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:252 Resp: 624788

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0

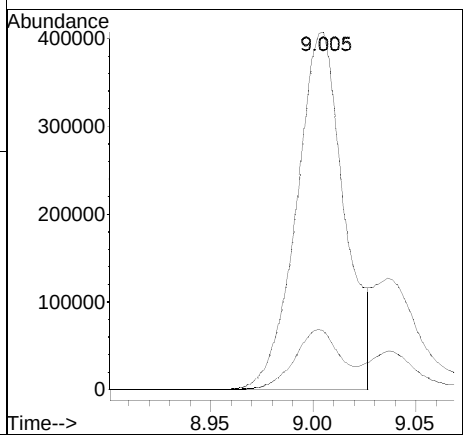


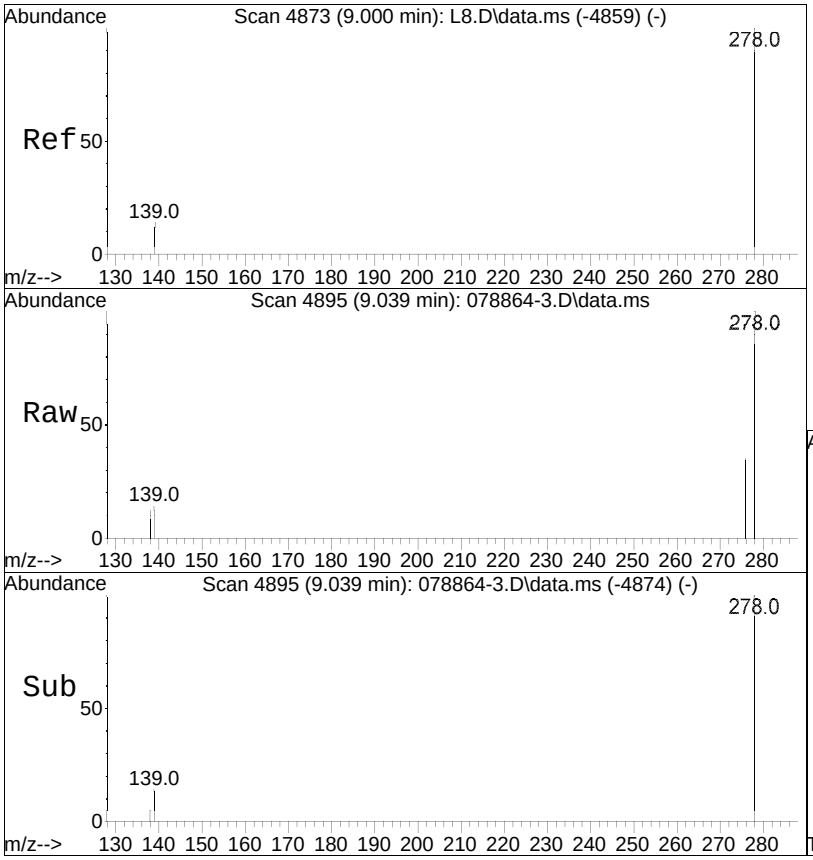


#42
Indeno[1,2,3-cd]pyrene
Concen: 1532.71 ng/ml
RT: 9.005 min Scan# 4881
Delta R.T. -0.023 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:276 Resp: 655820

Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.4	21.6

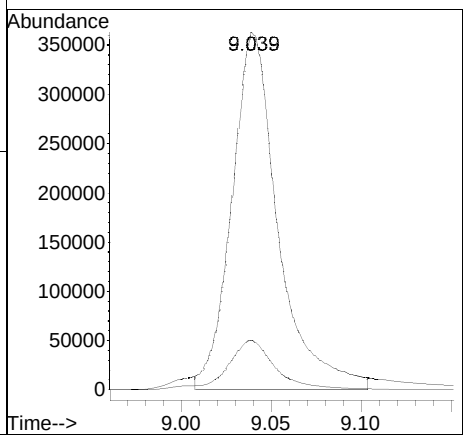


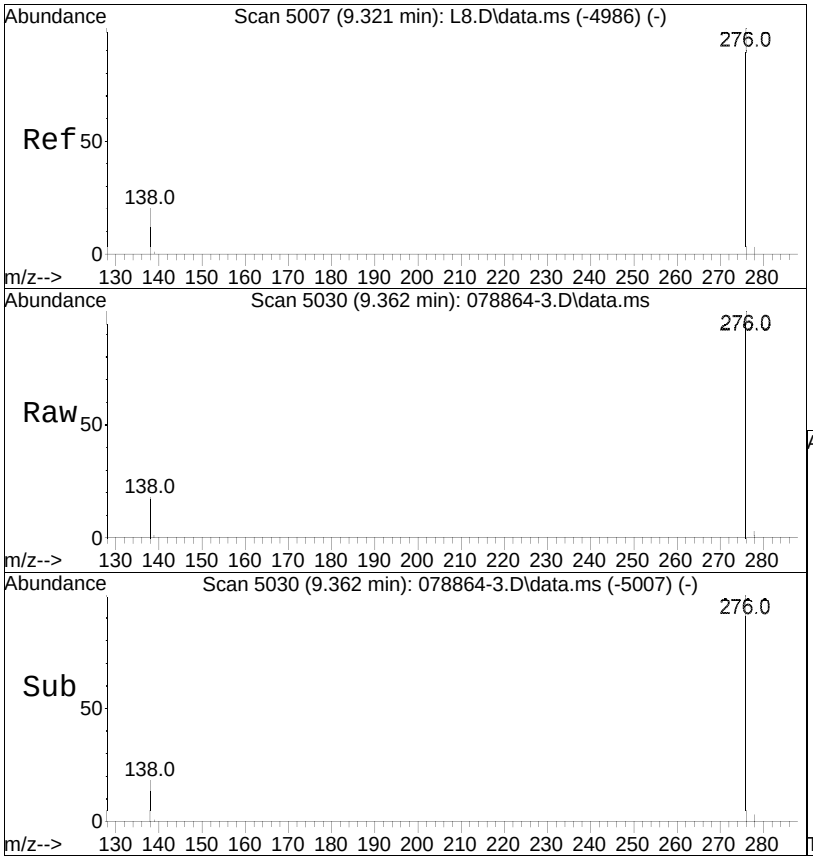


#43
Dibenzo[a,h]anthracene
Concen: 1582.66 ng/ml M6
RT: 9.039 min Scan# 4895
Delta R.T. -0.030 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:278 Resp: 647055

Ion	Ratio	Lower	Upper
278	100		
139	14.6	12.1	18.1

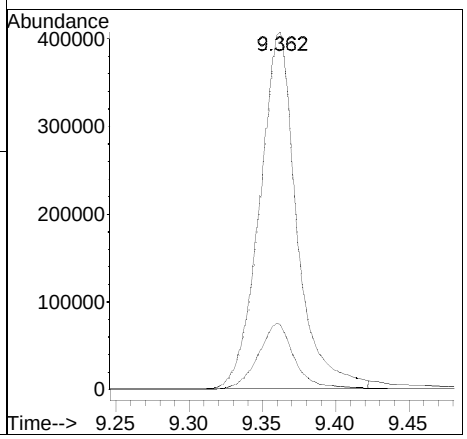




#44
Benzo[g,h,i]perylene
Concen: 1618.00 ng/ml
RT: 9.362 min Scan# 5030
Delta R.T. -0.025 min
Lab File: 078864-3.D
Acq: 23 Jun 2025 04:23 pm

Tgt Ion:276 Resp: 709548

Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0

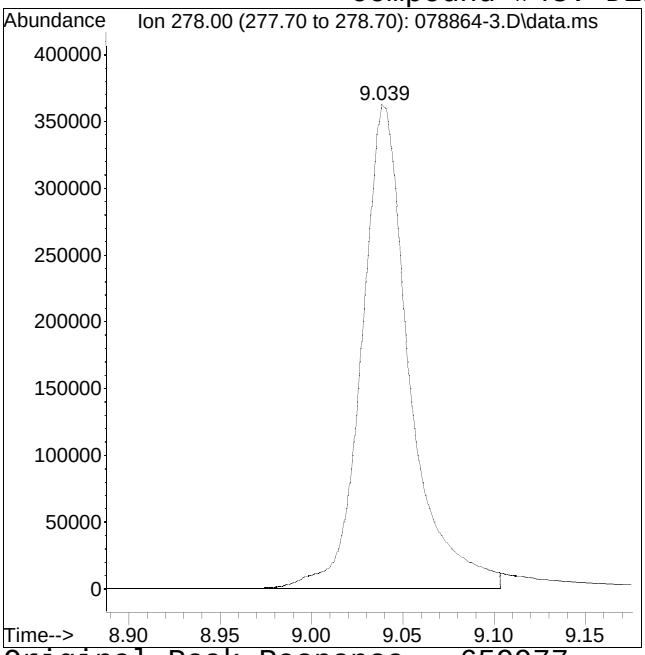


Manual Integration Report

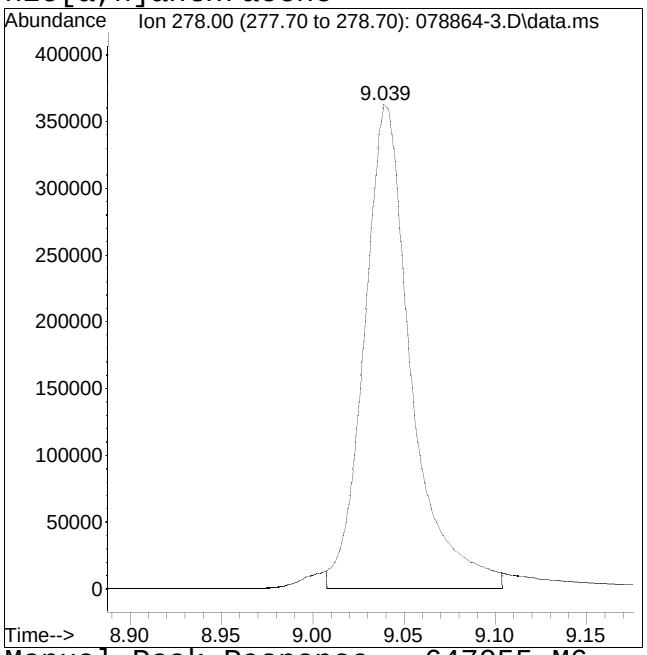
Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 078864-3.D
Date Inj'd : 6/23/2025 4:23 pm
Sample : WG2078864-3,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 6/23/2025 4:37 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 659977



Manual Peak Response = 647055 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-4.D
Acq On : 23 Jun 2025 07:15 pm
Operator : sv119:dv
Sample : WG2078864-4,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 23 19:36:08 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.308	152	284405	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 127.44%			
9) Naphthalene-d8	2.967	136	1111897	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 132.44%			
18) Acenaphthene-d10	3.946	164	684360	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 136.51%			
23) Phenanthrene-d10	4.794	188	1444159	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 132.30%			
33) Chrysene-d12	6.420	240	1446248	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 124.27%			
38) Perylene-d12	7.715	264	1584006	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 129.71%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	81534	1020.731	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.04%			
4) Phenol-d6	2.122	99	75969	732.492	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 36.62%			
8) Nitrobenzene-d5	2.584	82	61263	716.061	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 71.61%			
14) 2-Fluorobiphenyl	3.562	172	174852	695.054	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 69.51%			
22) 2,4,6-Tribromophenol	4.394	330	51884	1511.290	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 75.56%			
32) 4-Terphenyl-d14	5.737	244	260589	802.551	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 80.26%			
Target Compounds						Qvalue
7) Hexachloroethane	2.565	117	35289	934.822	ng/ml	98
10) Naphthalene	2.977	128	349685	1200.319	ng/ml	99
11) Hexachlorobutadiene	3.048	225	55454	961.354	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	241385	1249.549	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	282584	1304.360	ng/ml	97
17) Acenaphthylene	3.864	152	497075	1380.281	ng/ml	100
19) Acenaphthene	3.963	153	301575	1326.677	ng/ml	95
21) Fluorene	4.255	166	370490	1362.375	ng/ml	99
25) Hexachlorobenzene	4.575	284	136429	1526.318	ng/ml	94
26) Pentachlorophenol	4.689	266	70134	1655.092	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-4.D
Acq On : 23 Jun 2025 07:15 pm
Operator : sv119:dv
Sample : WG2078864-4,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 23 19:36:08 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	4.808	178	571925	1332.628	ng/ml	100
28) Anthracene	4.836	178	582520	1391.290	ng/ml	100
29) Fluoranthene	5.504	202	717470	1374.455	ng/ml	100
30) Pyrene	5.641	202	738825	1371.741	ng/ml	100
34) Benzo[a]anthracene	6.411	228	722170	1420.430	ng/ml	100
36) Chrysene	6.437	228	689374	1449.917	ng/ml	99
39) Benzo[b]fluoranthene	7.311	252	684158	1433.117	ng/ml	98
40) Benzo[k]fluoranthene	7.336	252	788012	1563.015	ng/ml	98
41) Benzo[a]pyrene	7.642	252	619525	1425.988	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	9.004	276	608868	1339.065	ng/ml	96
43) Dibenzo[a,h]anthracene	9.042	278	648528M6	1492.366	ng/ml	
44) Benzo[g,h,i]perylene	9.363	276	709535	1522.113	ng/ml	97

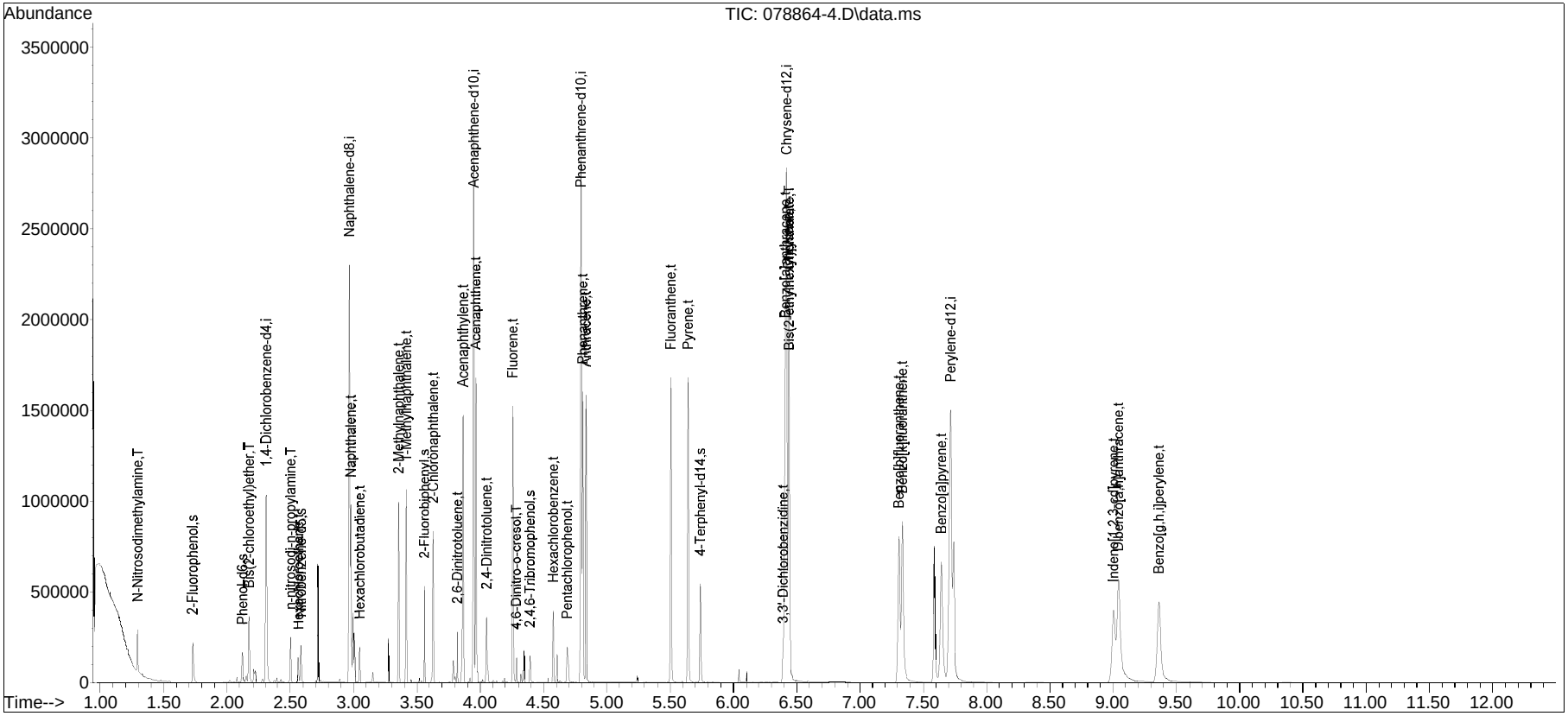
(#) = qualifier out of range (m) = manual integration (+) = signals summed

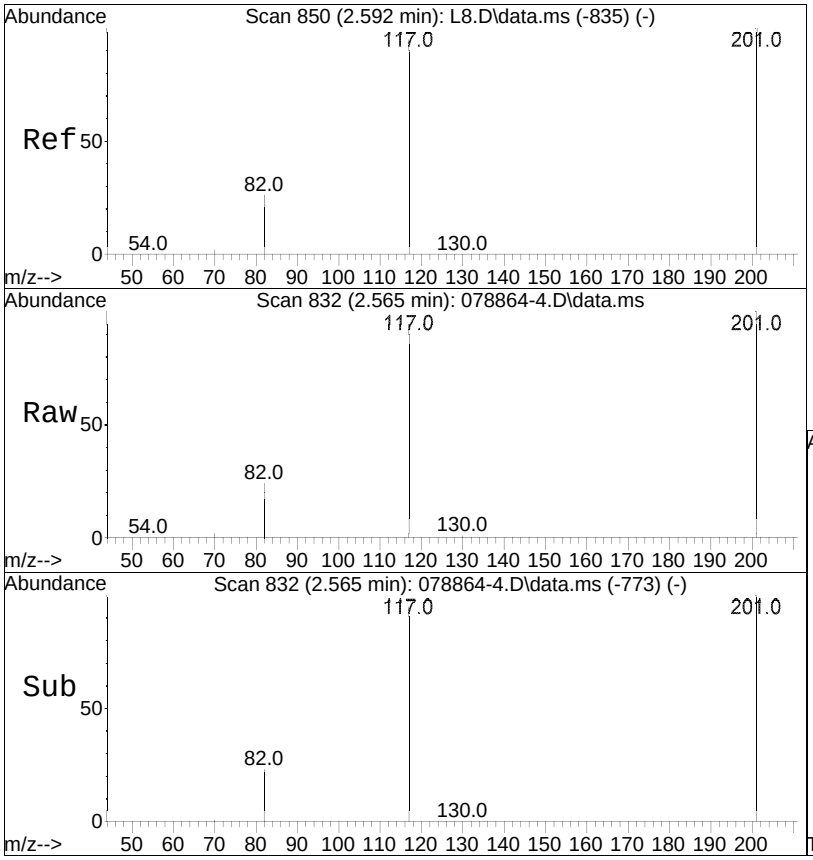
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-4.D
Acq On : 23 Jun 2025 07:15 pm
Operator : sv119:dv
Sample : WG2078864-4,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Jun 23 19:36:08 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•

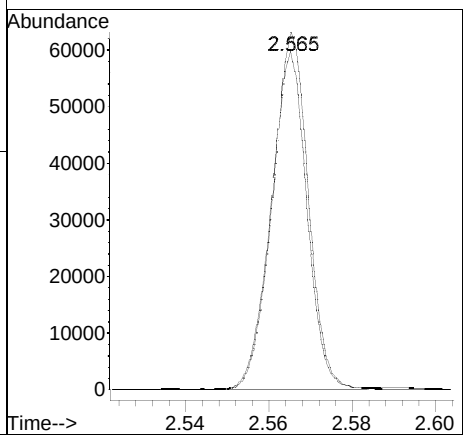


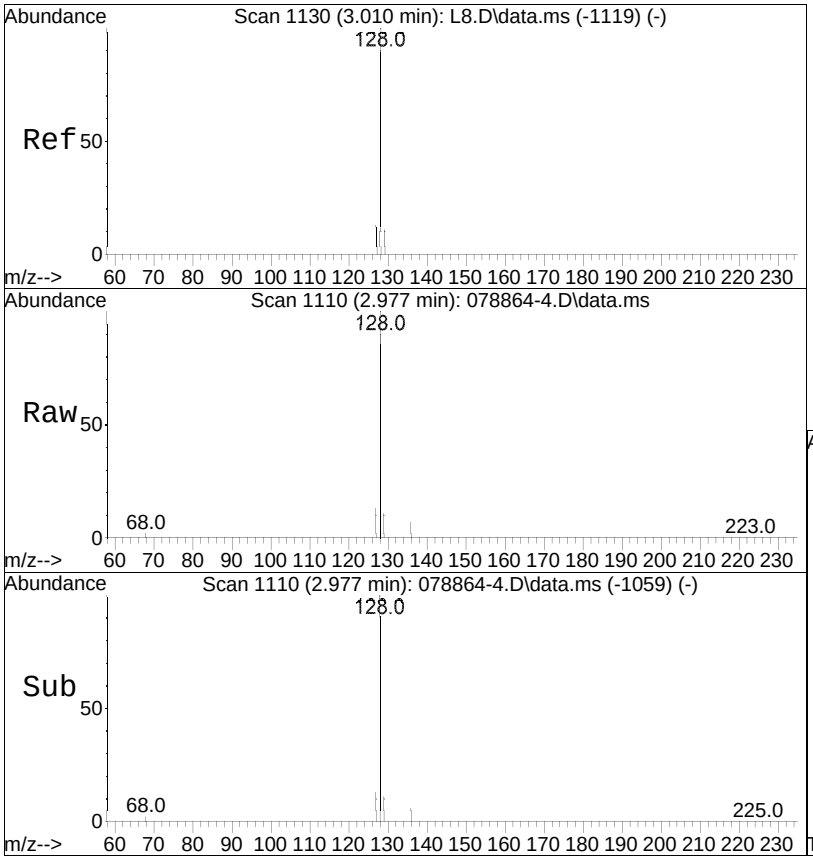


#7
Hexachloroethane
Concen: 934.82 ng/ml
RT: 2.565 min Scan# 832
Delta R.T. 0.002 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:117 Resp: 35289

Ion	Ratio	Lower	Upper
117	100		
201	105.9	82.9	124.3

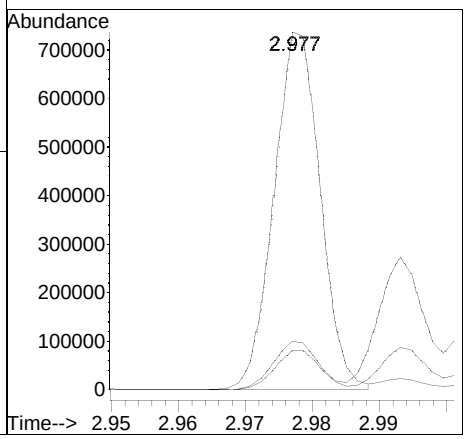


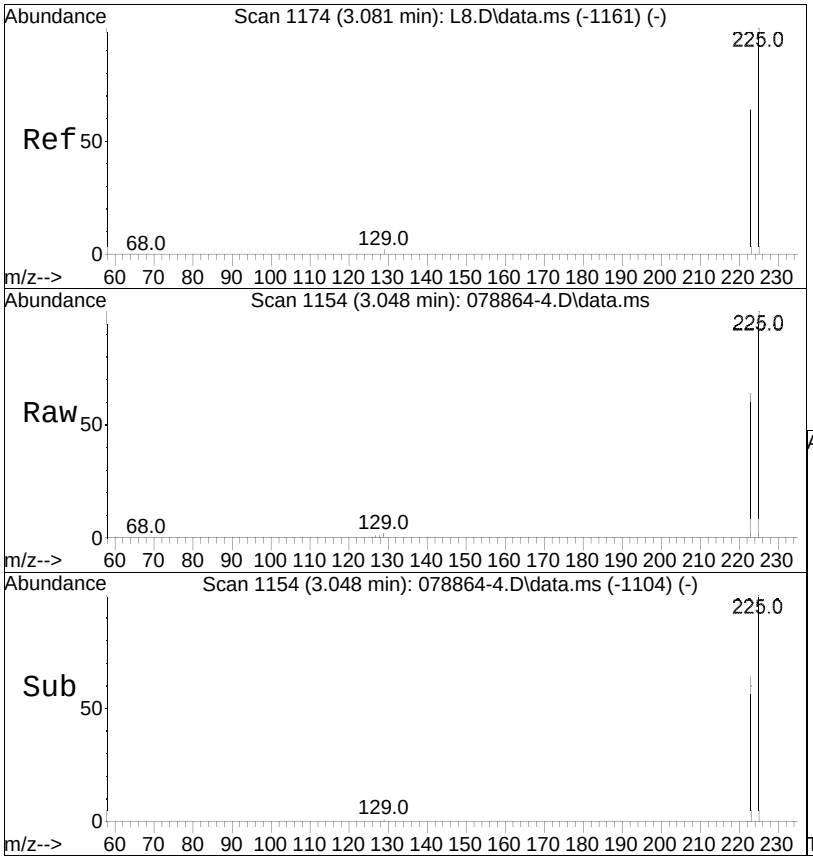


#10
Naphthalene
Concen: 1200.32 ng/ml
RT: 2.977 min Scan# 1110
Delta R.T. 0.001 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:128 Resp: 349685

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.6	10.6	15.8

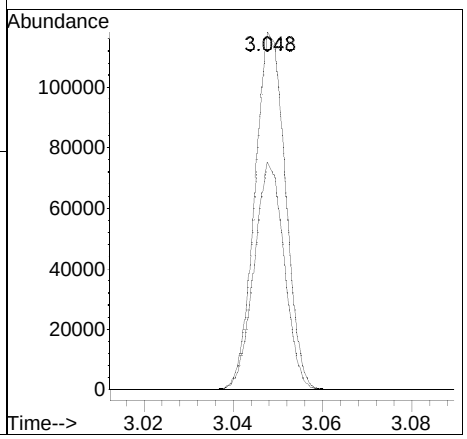


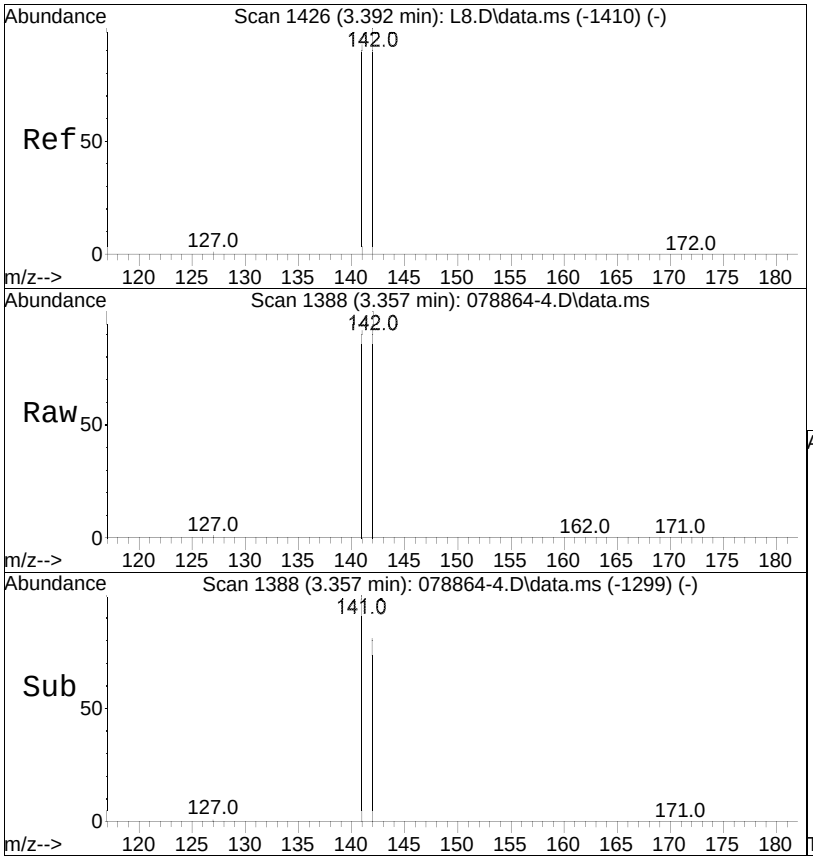


#11
Hexachlorobutadiene
Concen: 961.35 ng/ml
RT: 3.048 min Scan# 1154
Delta R.T. -0.000 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:225 Resp: 55454

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4

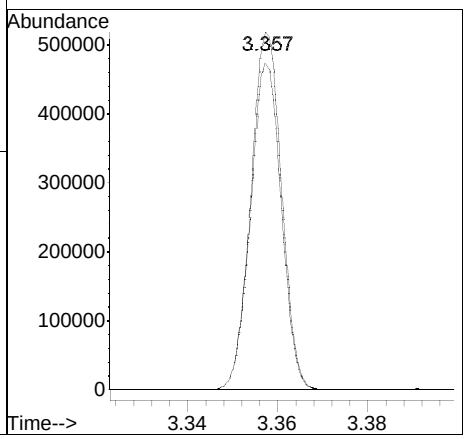


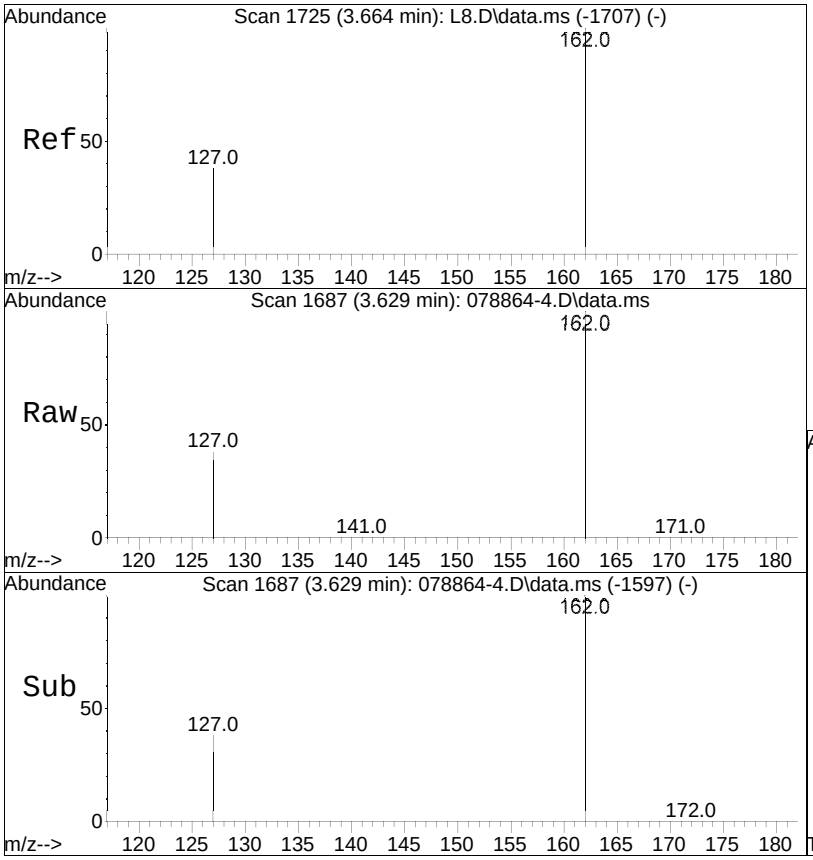


#12
2-Methylnaphthalene
Concen: 1249.55 ng/ml
RT: 3.357 min Scan# 1388
Delta R.T. 0.001 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:142 Resp: 241385

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.6	110.4

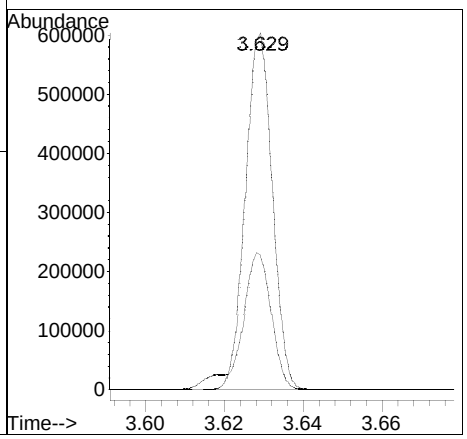


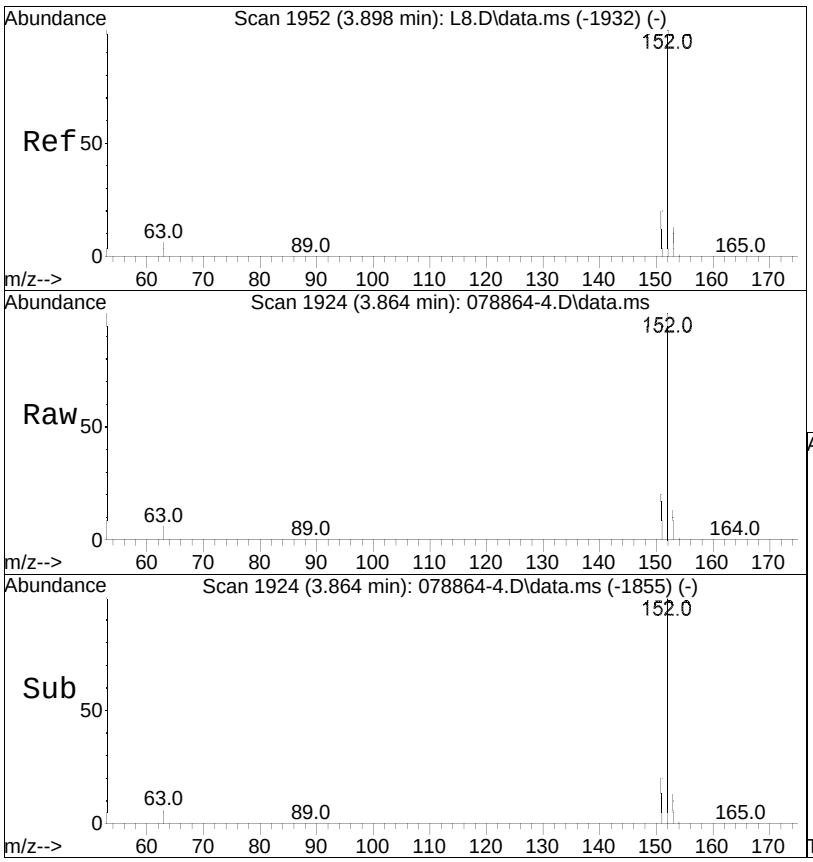


#15
2-Chloronaphthalene
Concen: 1304.36 ng/ml
RT: 3.629 min Scan# 1687
Delta R.T. 0.002 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:162 Resp: 282584

Ion	Ratio	Lower	Upper
162	100		
127	38.9	29.8	44.8

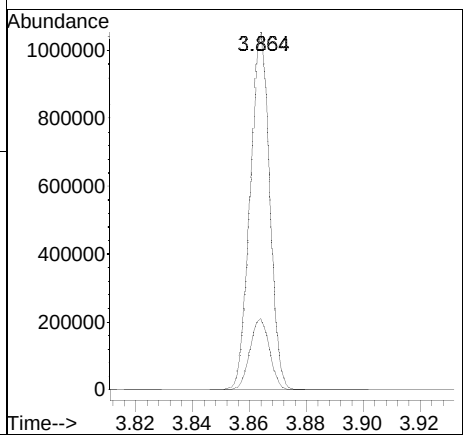


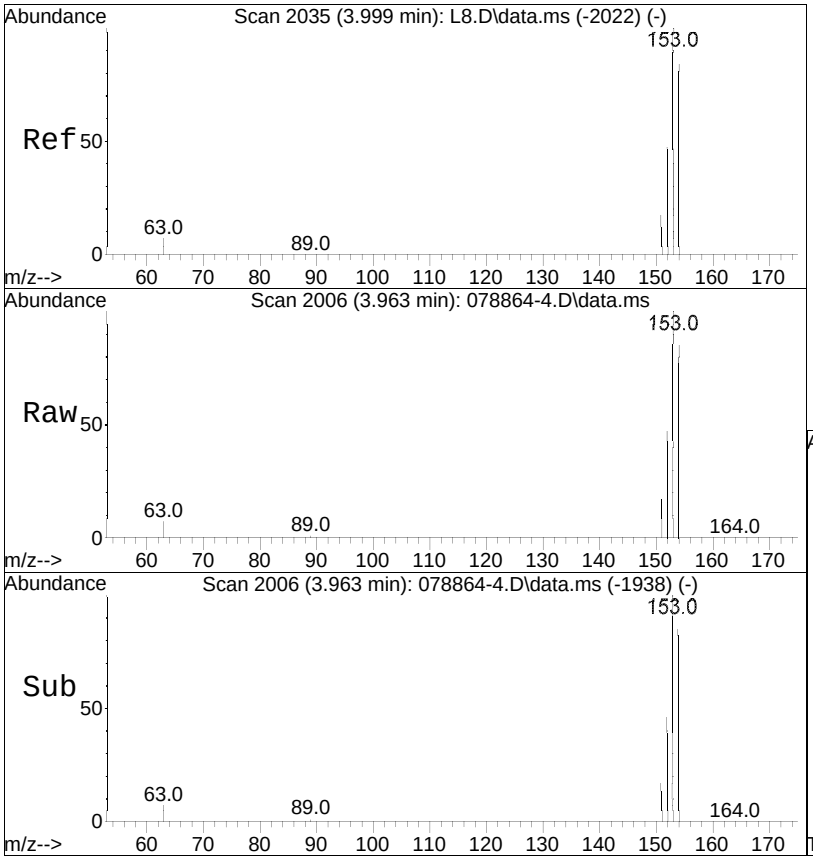


#17
Acenaphthylene
Concen: 1380.28 ng/ml
RT: 3.864 min Scan# 1924
Delta R.T. 0.002 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:152 Resp: 497075

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

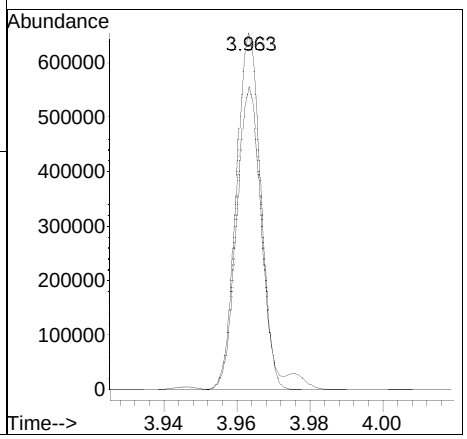


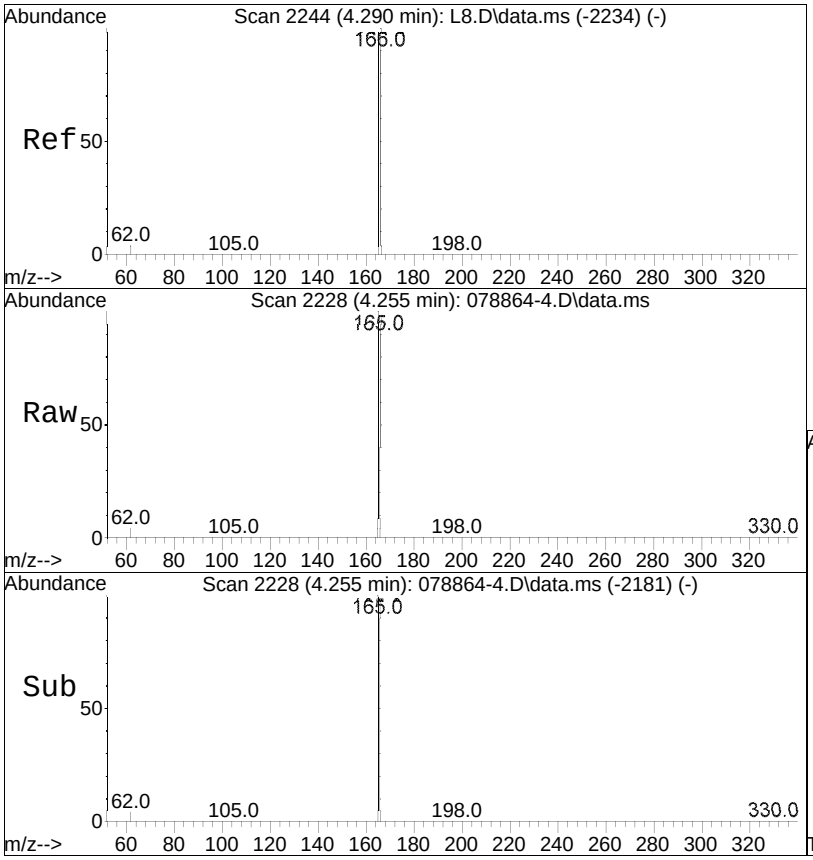


#19
Acenaphthene
Concen: 1326.68 ng/ml
RT: 3.963 min Scan# 2006
Delta R.T. 0.002 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:153 Resp: 301575

Ion	Ratio	Lower	Upper
153	100		
154	85.4	72.0	108.0

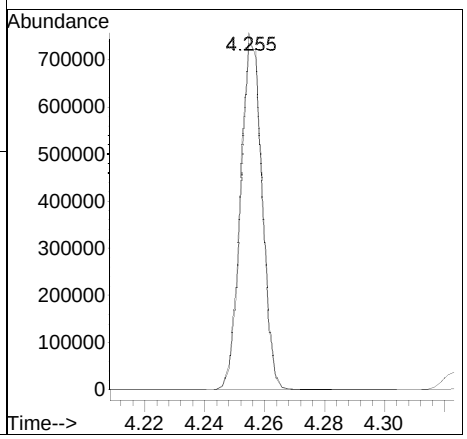


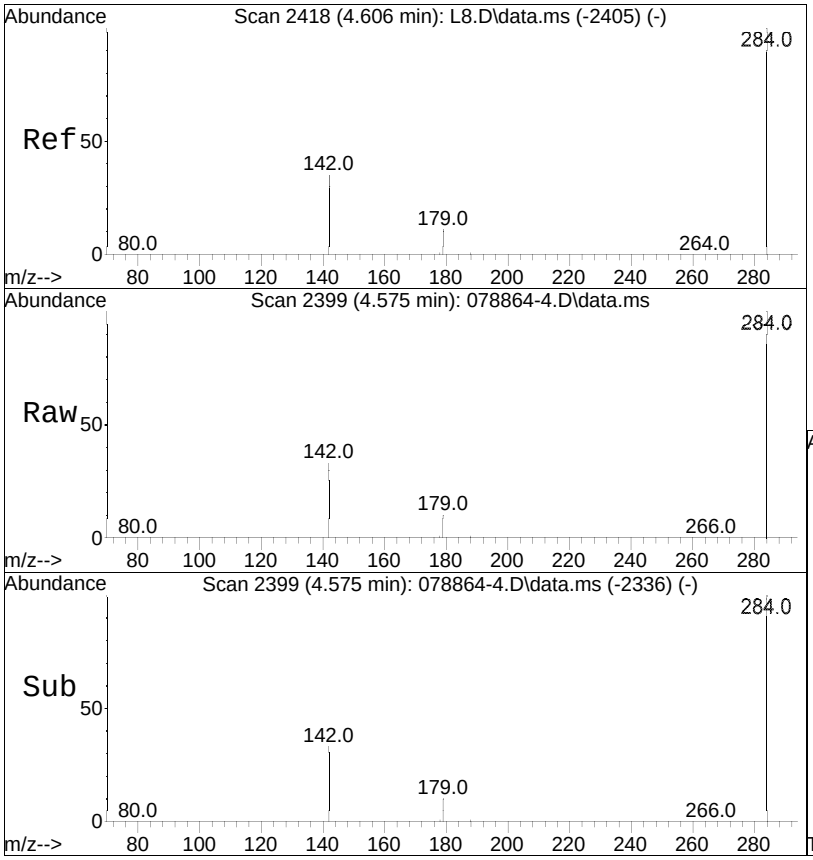


#21
Fluorene
Concen: 1362.37 ng/ml
RT: 4.255 min Scan# 2228
Delta R.T. -0.000 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:166 Resp: 370490

Ion	Ratio	Lower	Upper
166	100		
165	100.7	81.5	122.3

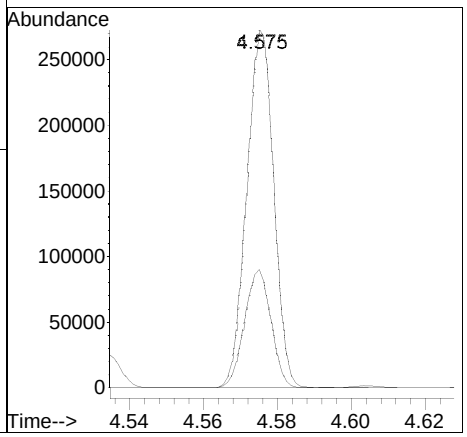


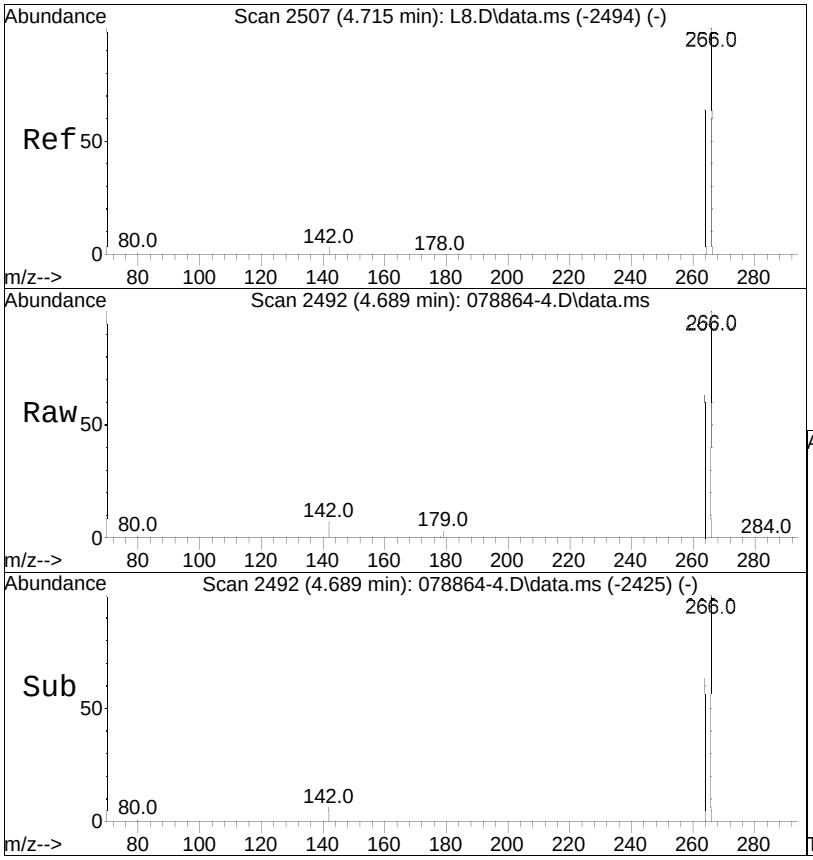


#25
Hexachlorobenzene
Concen: 1526.32 ng/ml
RT: 4.575 min Scan# 2399
Delta R.T. 0.001 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:284 Resp: 136429

Ion	Ratio	Lower	Upper
284	100		
142	32.4	28.8	43.2

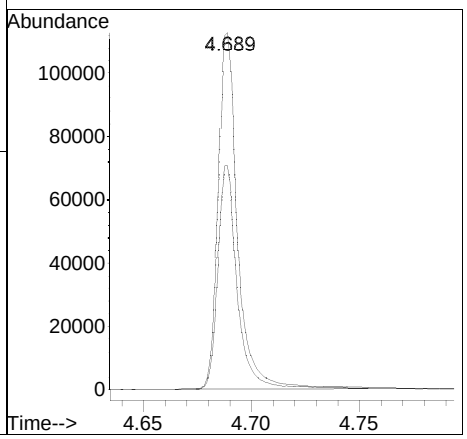


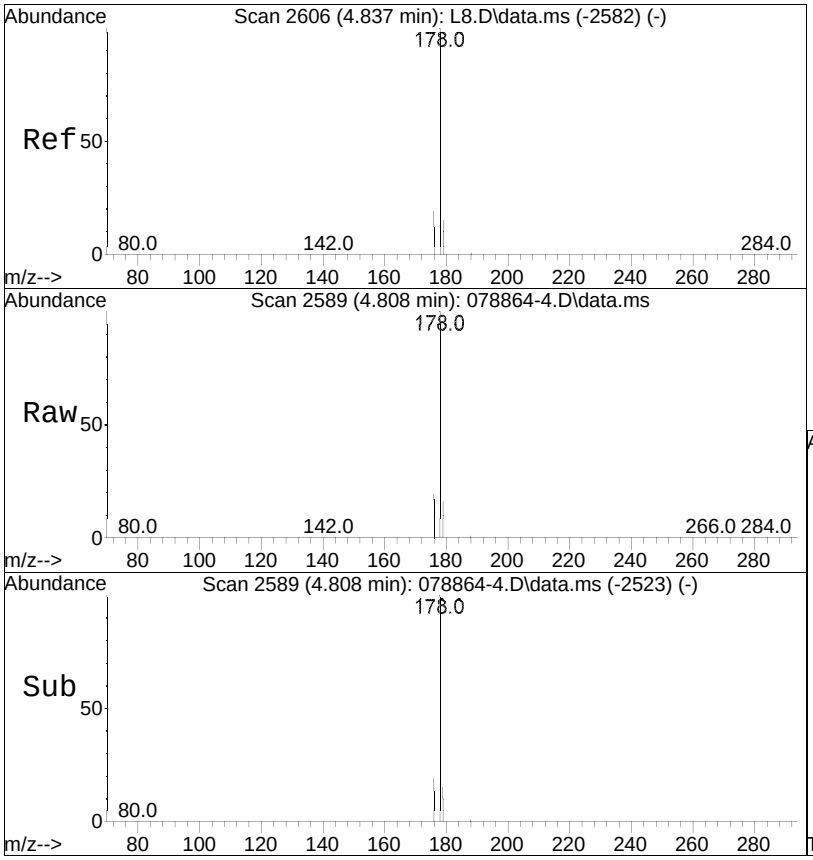


#26
Pentachlorophenol
Concen: 1655.09 ng/ml
RT: 4.689 min Scan# 2492
Delta R.T. 0.002 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:266 Resp: 70134

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.6	76.0

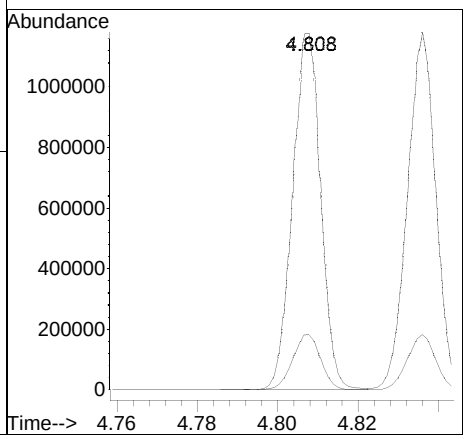


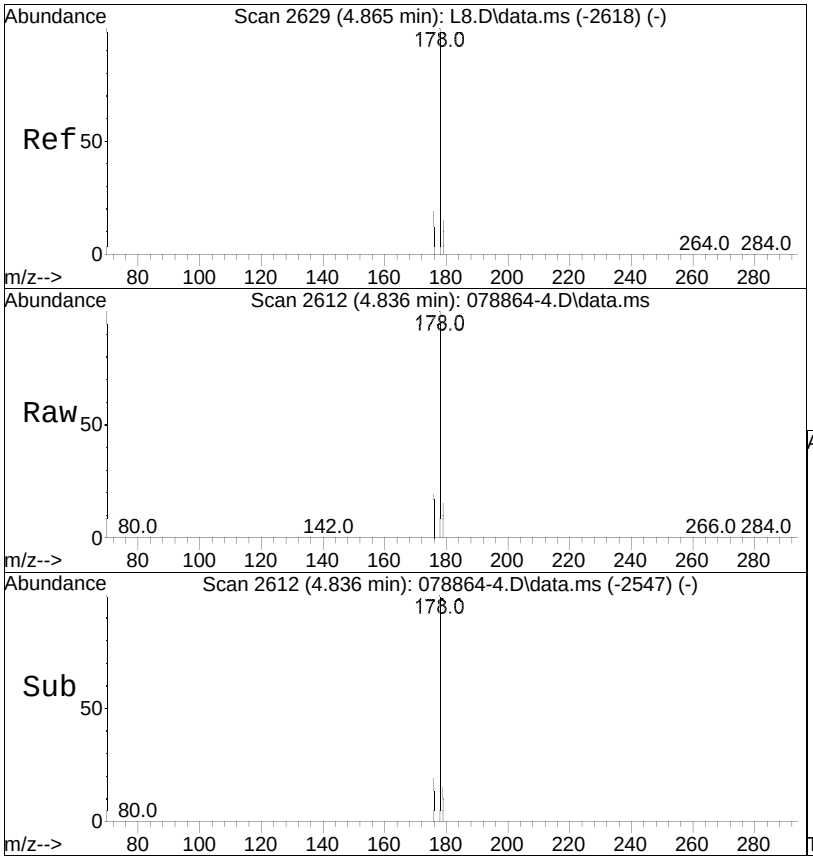


#27
Phenanthrene
Concen: 1332.63 ng/ml
RT: 4.808 min Scan# 2589
Delta R.T. 0.001 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:178 Resp: 571925

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

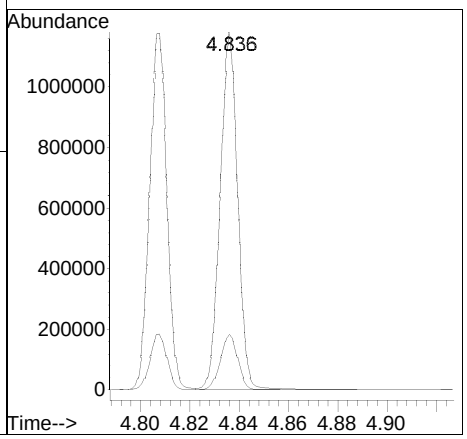


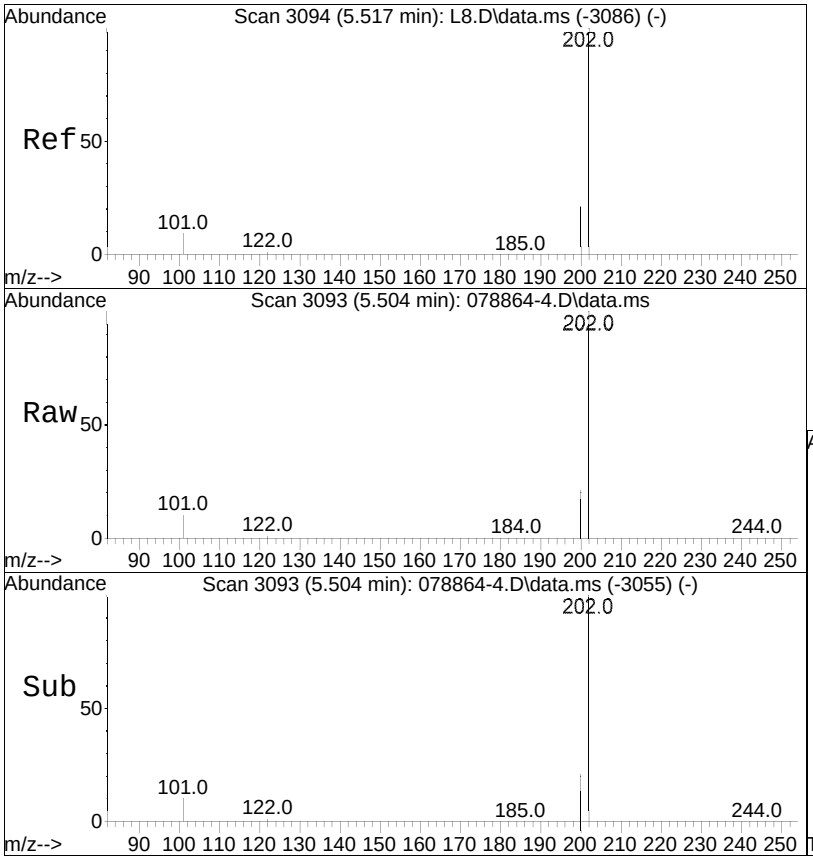


#28
Anthracene
Concen: 1391.29 ng/ml
RT: 4.836 min Scan# 2612
Delta R.T. -0.000 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:178 Resp: 582520

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2

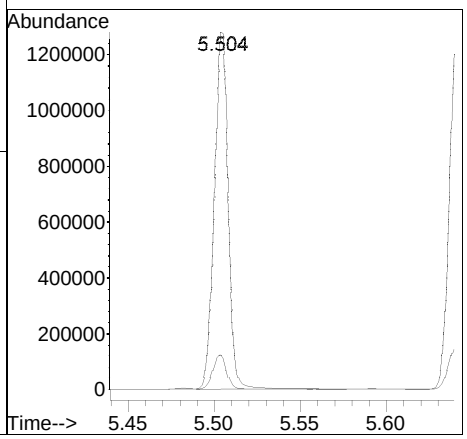


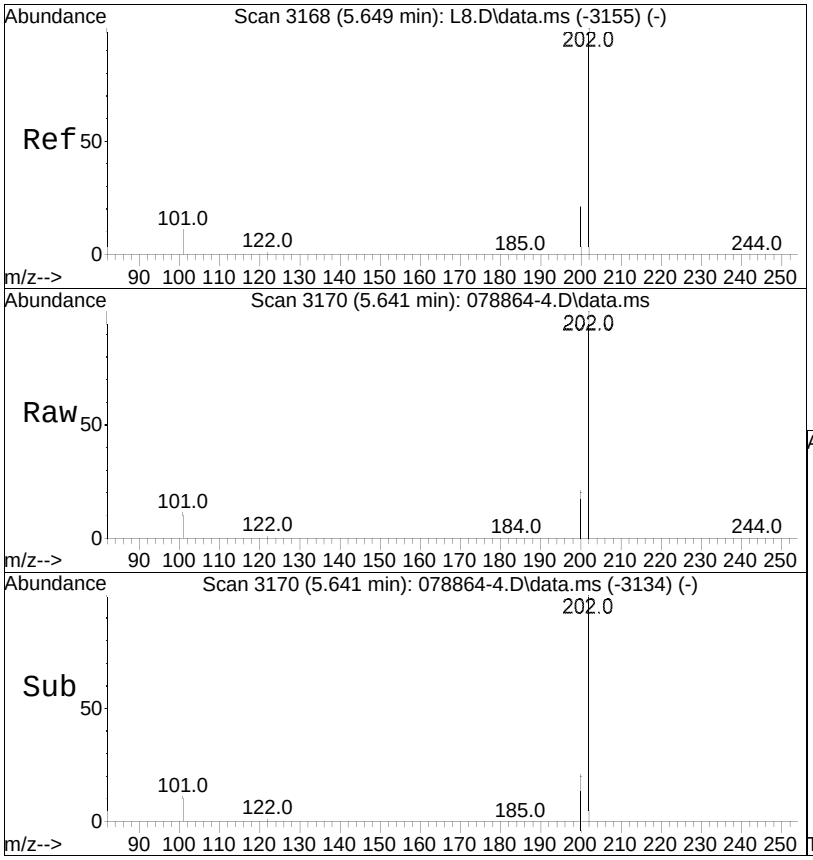


#29
Fluoranthene
Concen: 1374.45 ng/ml
RT: 5.504 min Scan# 3093
Delta R.T. -0.013 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:202 Resp: 717470

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.5	11.3

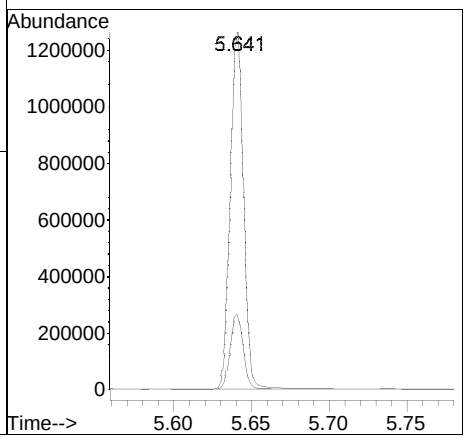


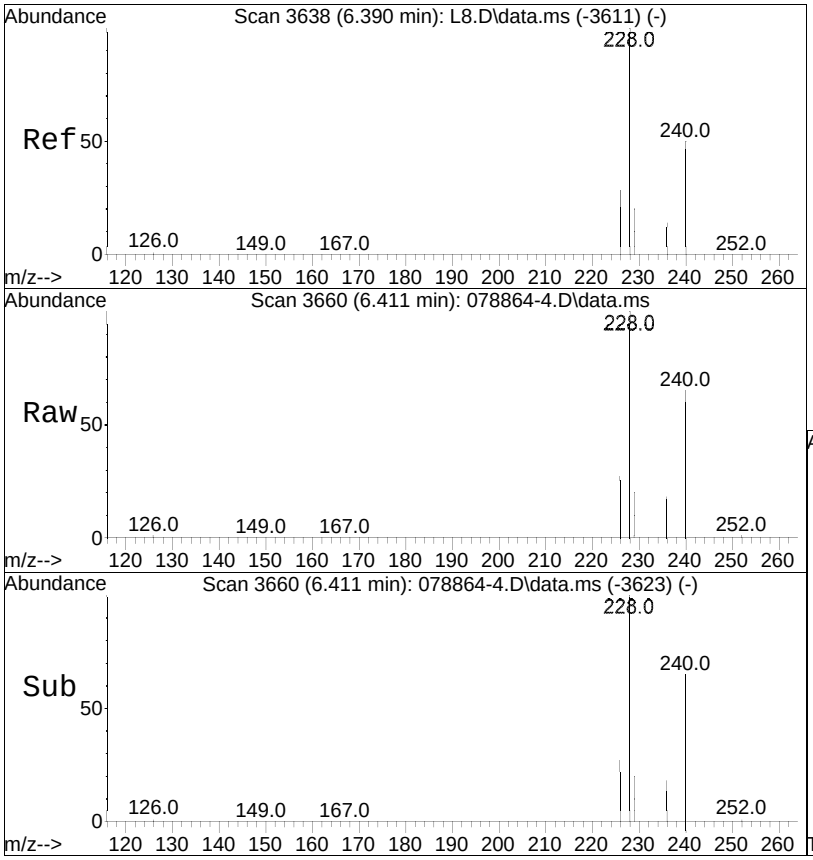


#30
Pyrene
Concen: 1371.74 ng/ml
RT: 5.641 min Scan# 3170
Delta R.T. -0.016 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:202 Resp: 738825

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4

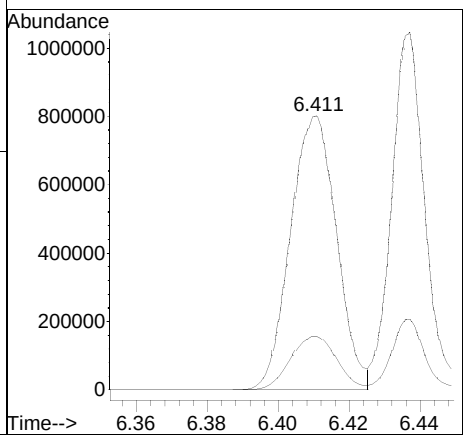


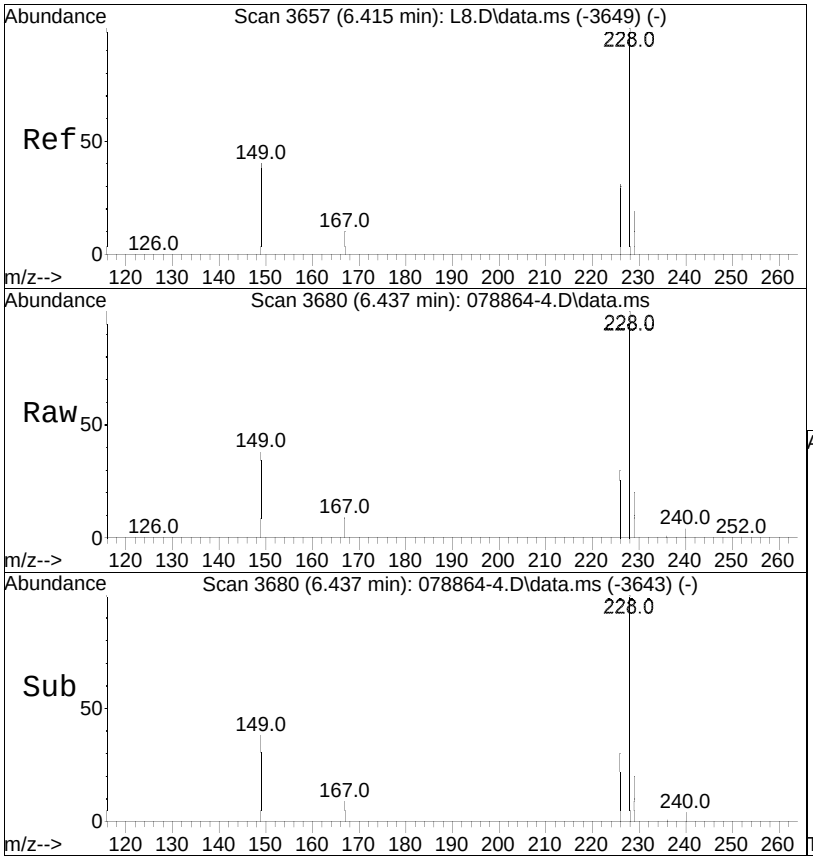


#34
Benzo[a]anthracene
Concen: 1420.43 ng/ml
RT: 6.411 min Scan# 3660
Delta R.T. -0.032 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:228 Resp: 722170

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6

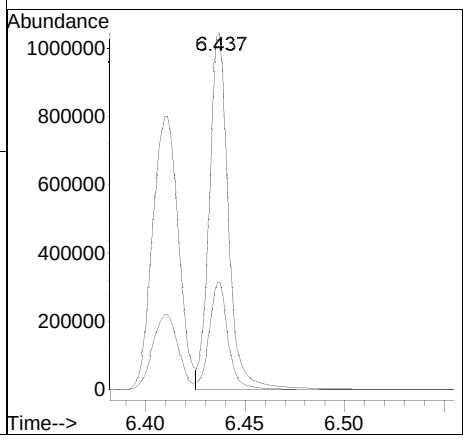


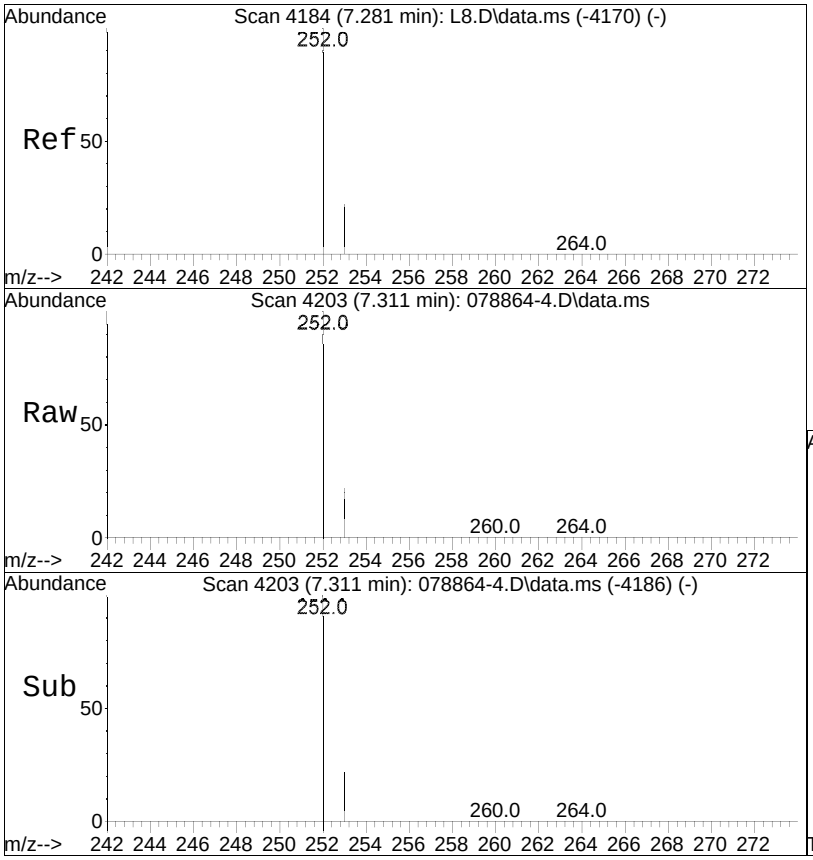


#36
Chrysene
Concen: 1449.92 ng/ml
RT: 6.437 min Scan# 3680
Delta R.T. -0.032 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:228 Resp: 689374

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0

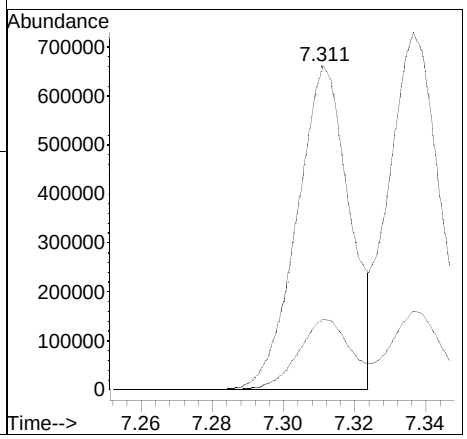


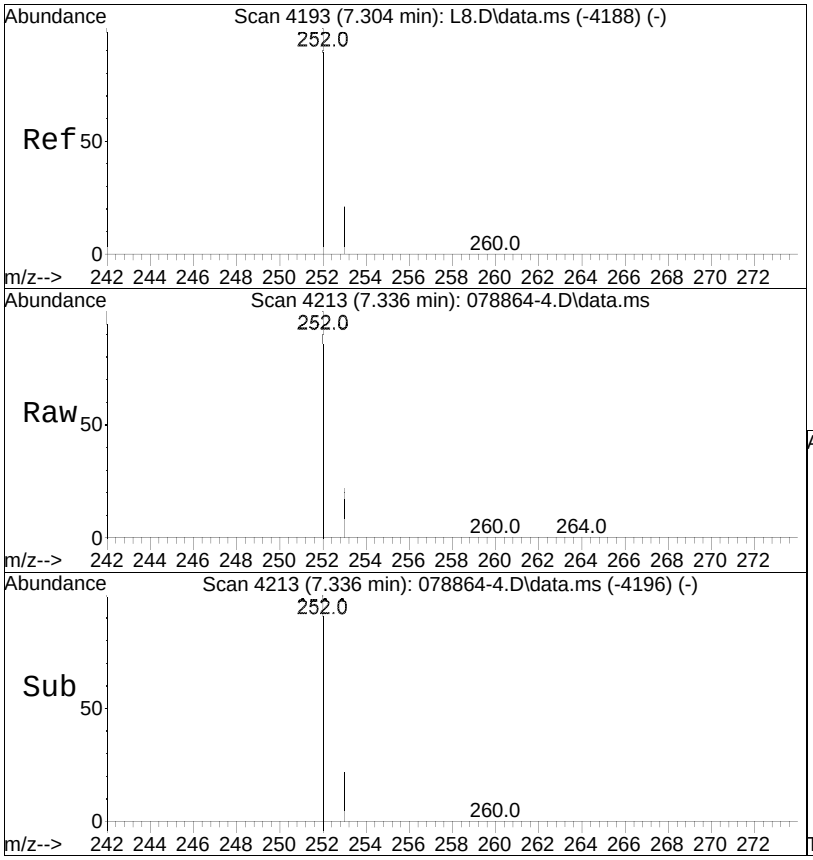


#39
Benzo[b]fluoranthene
Concen: 1433.12 ng/ml
RT: 7.311 min Scan# 4203
Delta R.T. -0.036 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:252 Resp: 684158

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1

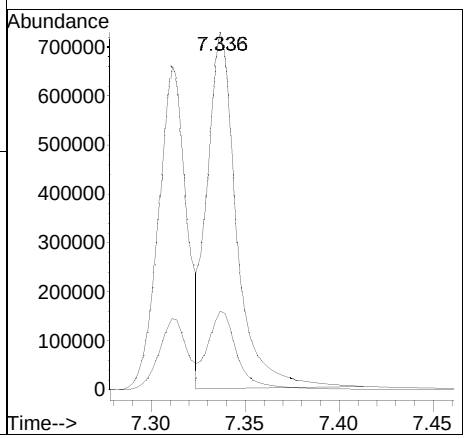


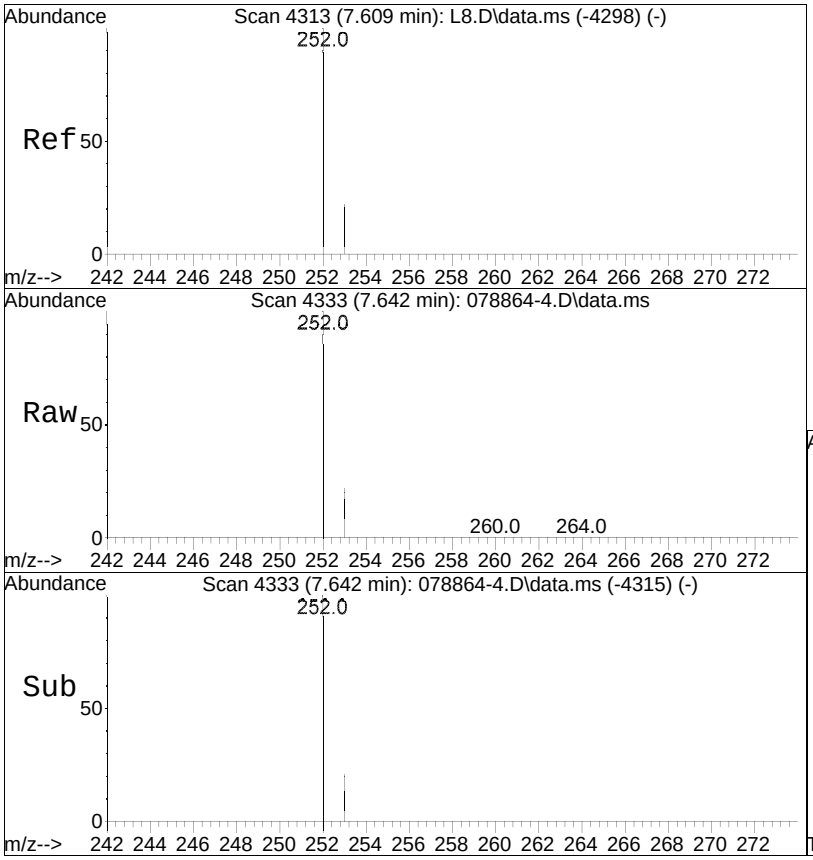


#40
Benzo[k]fluoranthene
Concen: 1563.01 ng/ml
RT: 7.336 min Scan# 4213
Delta R.T. -0.036 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:252 Resp: 788012

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4

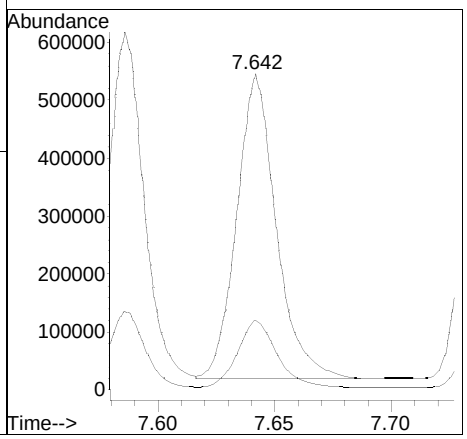


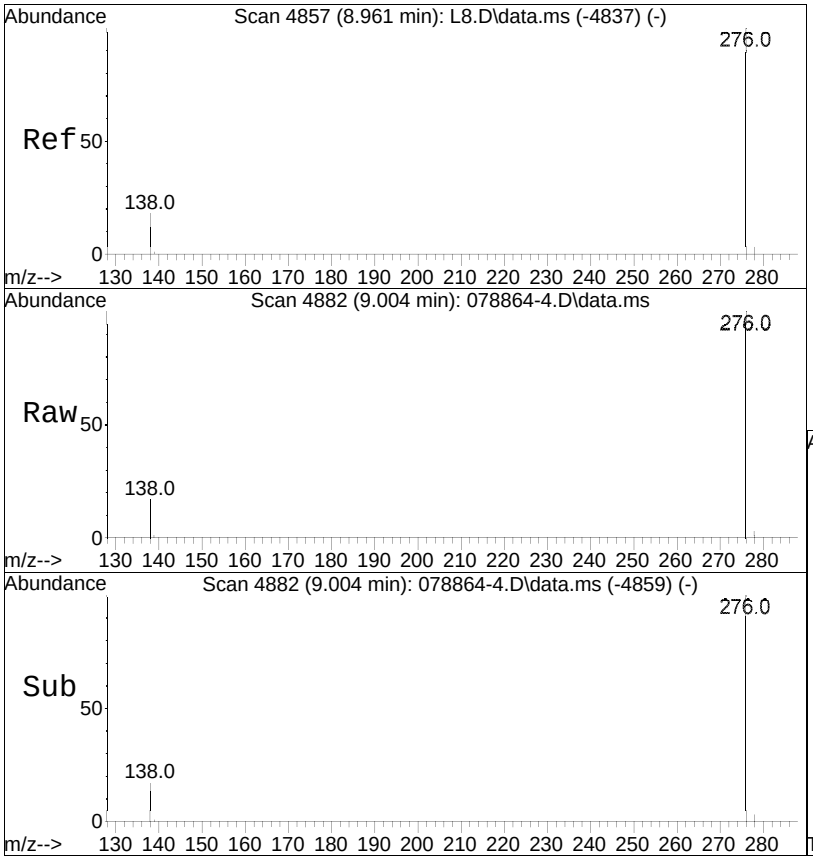


#41
Benzo[a]pyrene
Concen: 1425.99 ng/ml
RT: 7.642 min Scan# 4333
Delta R.T. -0.033 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:252 Resp: 619525

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0

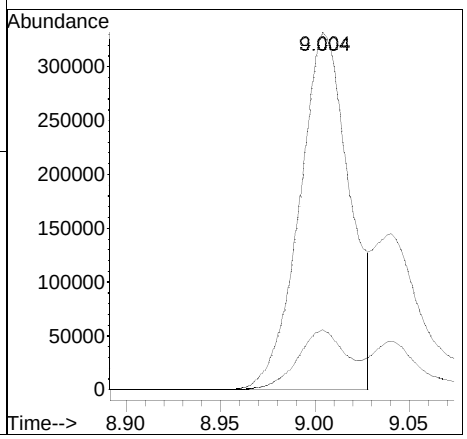


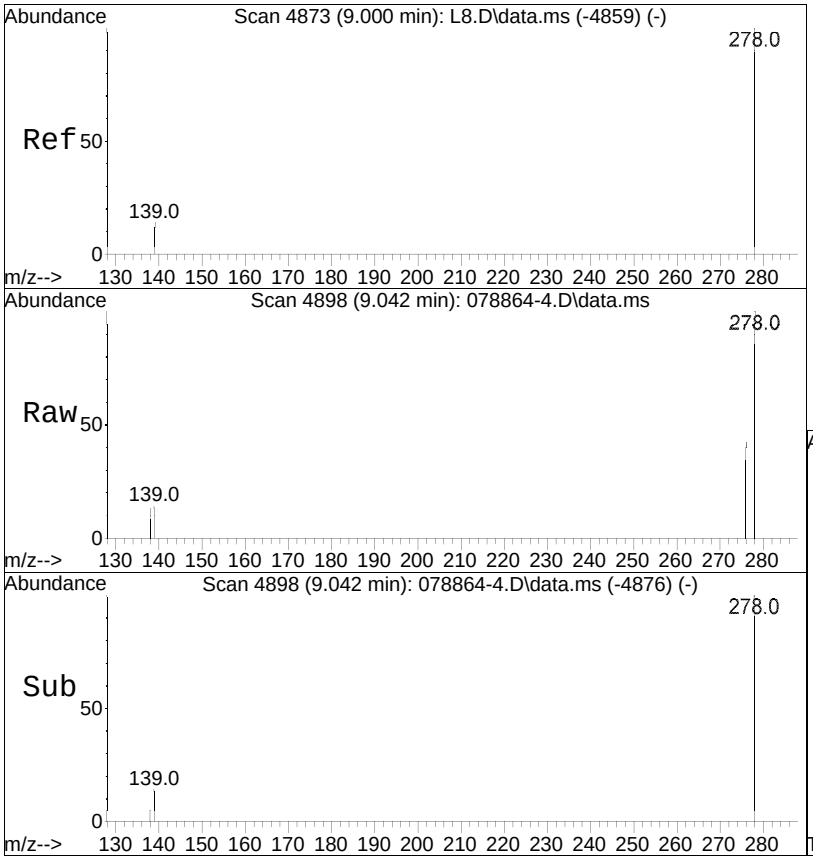


#42
Indeno[1,2,3-cd]pyrene
Concen: 1339.07 ng/ml
RT: 9.004 min Scan# 4882
Delta R.T. -0.024 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:276 Resp: 608868

Ion	Ratio	Lower	Upper
276	100		
138	16.1	14.4	21.6

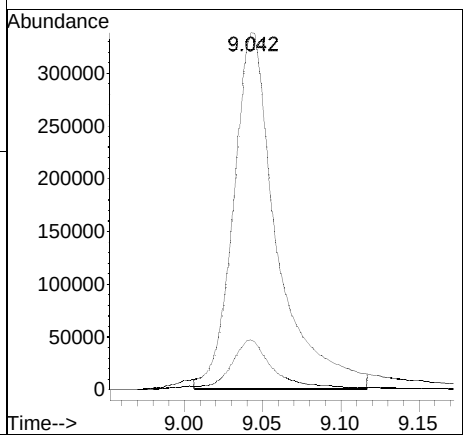


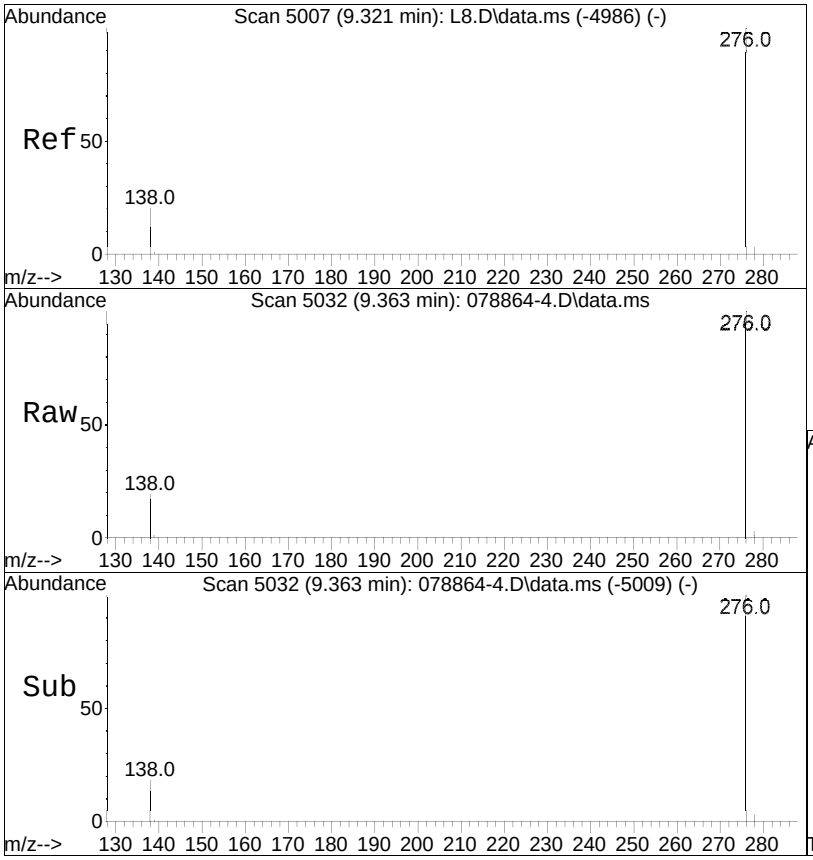


#43
Dibenzo[a,h]anthracene
Concen: 1492.37 ng/ml M6
RT: 9.042 min Scan# 4898
Delta R.T. -0.026 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:278 Resp: 648528

Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.1	18.1

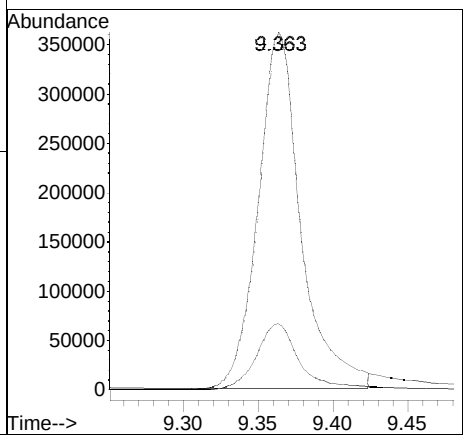




#44
Benzo[g,h,i]perylene
Concen: 1522.11 ng/ml
RT: 9.363 min Scan# 5032
Delta R.T. -0.024 min
Lab File: 078864-4.D
Acq: 23 Jun 2025 07:15 pm

Tgt Ion:276 Resp: 709535

Ion	Ratio	Lower	Upper
276	100		
138	18.4	16.0	24.0

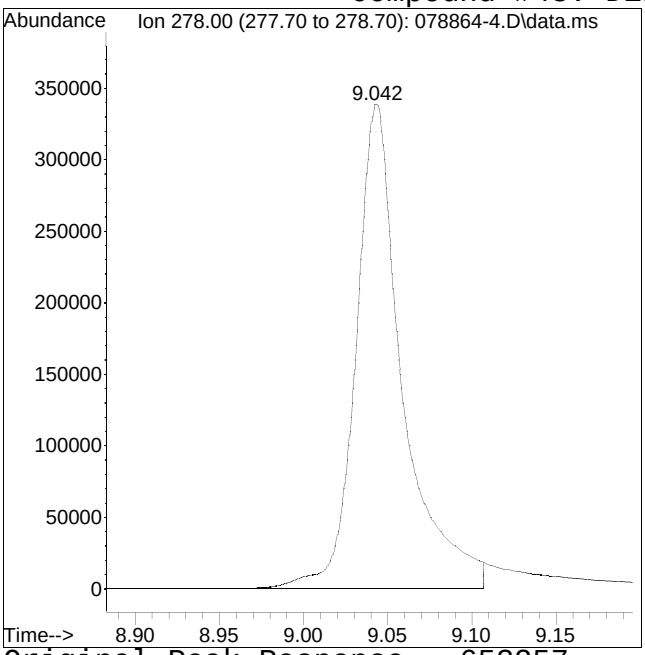


Manual Integration Report

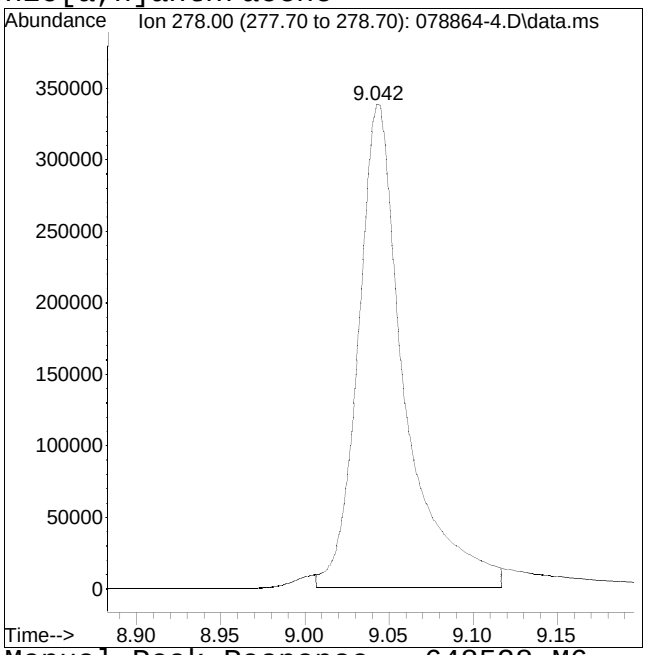
Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 078864-4.D
Date Inj'd : 6/23/2025 7:15 pm
Sample : WG2078864-4,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/23/2025 7:29 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 653257



Manual Peak Response = 648528 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-5.D
Acq On : 23 Jun 2025 07:32 pm
Operator : sv119:dv
Sample : WG2078864-5,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 23 19:46:28 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.308	152	277495	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery = 124.35%			
9) Naphthalene-d8	2.967	136	1061036	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery = 126.38%			
18) Acenaphthene-d10	3.946	164	641531	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery = 127.96%			
23) Phenanthrene-d10	4.794	188	1365682	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery = 125.11%			
33) Chrysene-d12	6.418	240	1400340	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery = 120.33%			
38) Perylene-d12	7.712	264	1552295	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery = 127.12%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.730	112	81924	1051.153	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 52.56%			
4) Phenol-d6	2.122	99	78647	777.197	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 38.86%			
8) Nitrobenzene-d5	2.585	82	64834	776.671	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 77.67%			
14) 2-Fluorobiphenyl	3.562	172	176043	733.333	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 73.33%			
22) 2,4,6-Tribromophenol	4.394	330	51445	1598.543	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 79.93%			
32) 4-Terphenyl-d14	5.737	244	264525	861.487	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery = 86.15%			
Target Compounds						Qvalue
7) Hexachloroethane	2.565	117	28849	783.253	ng/ml	98
10) Naphthalene	2.979	128	326933	1176.015	ng/ml	100
11) Hexachlorobutadiene	3.048	225	44481	808.090	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	228022	1236.956	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	268964	1301.003	ng/ml	97
17) Acenaphthylene	3.864	152	482682	1404.562	ng/ml	100
19) Acenaphthene	3.963	153	293405	1376.906	ng/ml	95
21) Fluorene	4.257	166	365686	1434.483	ng/ml	99
25) Hexachlorobenzene	4.576	284	134461	1590.743	ng/ml	94
26) Pentachlorophenol	4.689	266	68170	1696.561	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-5.D
Acq On : 23 Jun 2025 07:32 pm
Operator : sv119:dv
Sample : WG2078864-5,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 23 19:46:28 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Phenanthrene	4.808	178	566327	1395.412	ng/ml	100
28) Anthracene	4.836	178	577200	1457.802	ng/ml	100
29) Fluoranthene	5.503	202	737346	1493.700	ng/ml	100
30) Pyrene	5.641	202	753491	1479.360	ng/ml	100
34) Benzo[a]anthracene	6.409	228	730871	1485.019	ng/ml	100
36) Chrysene	6.436	228	693023	1505.377	ng/ml	99
39) Benzo[b]fluoranthene	7.310	252	694798	1485.136	ng/ml	98
40) Benzo[k]fluoranthene	7.338	252	808203	1635.811	ng/ml	98
41) Benzo[a]pyrene	7.640	252	636712	1495.487	ng/ml	99
42) Indeno[1,2,3-cd]pyrene	9.003	276	642066	1440.580	ng/ml	95
43) Dibenzo[a,h]anthracene	9.041	278	664191M6	1559.412	ng/ml	
44) Benzo[g,h,i]perylene	9.365	276	769351M1	1683.776	ng/ml	

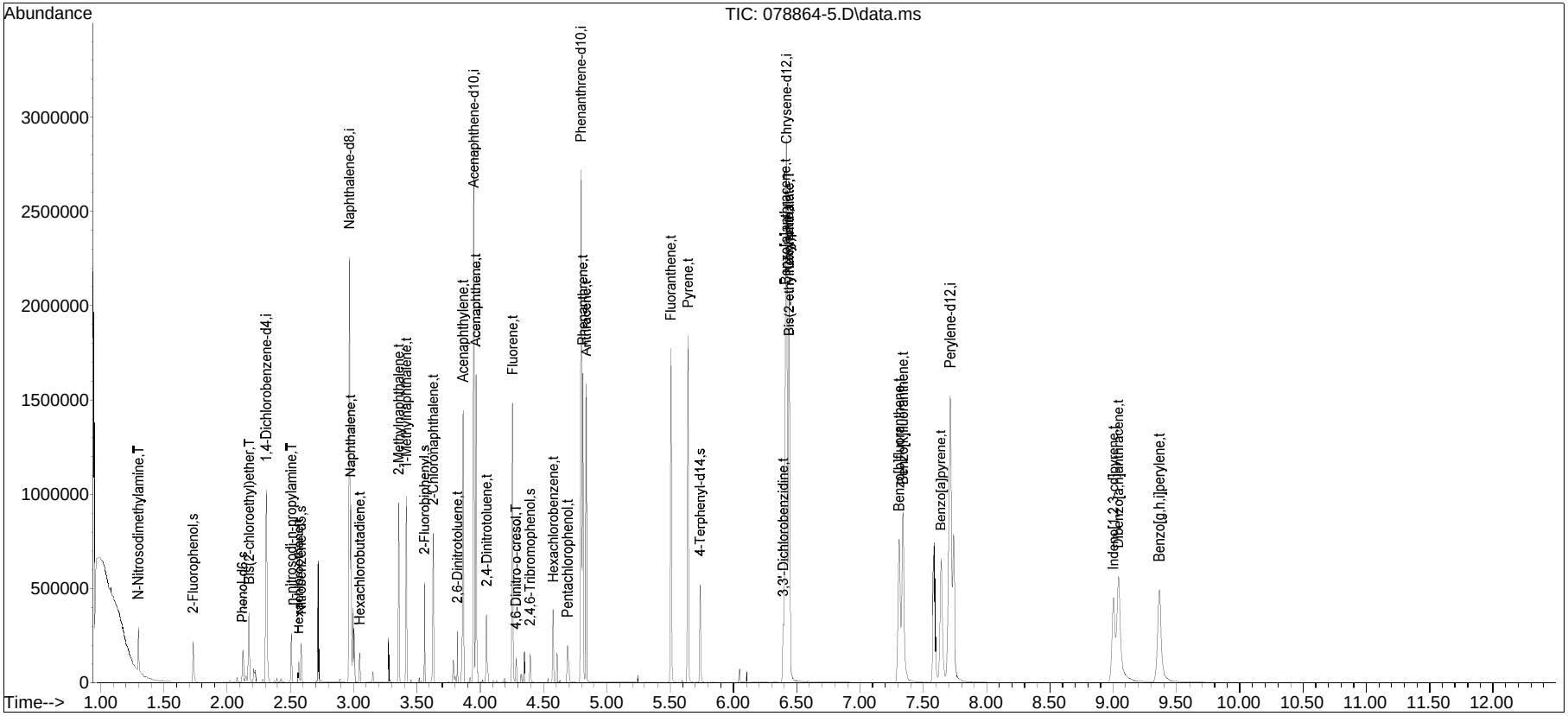
(#) = qualifier out of range (m) = manual integration (+) = signals summed

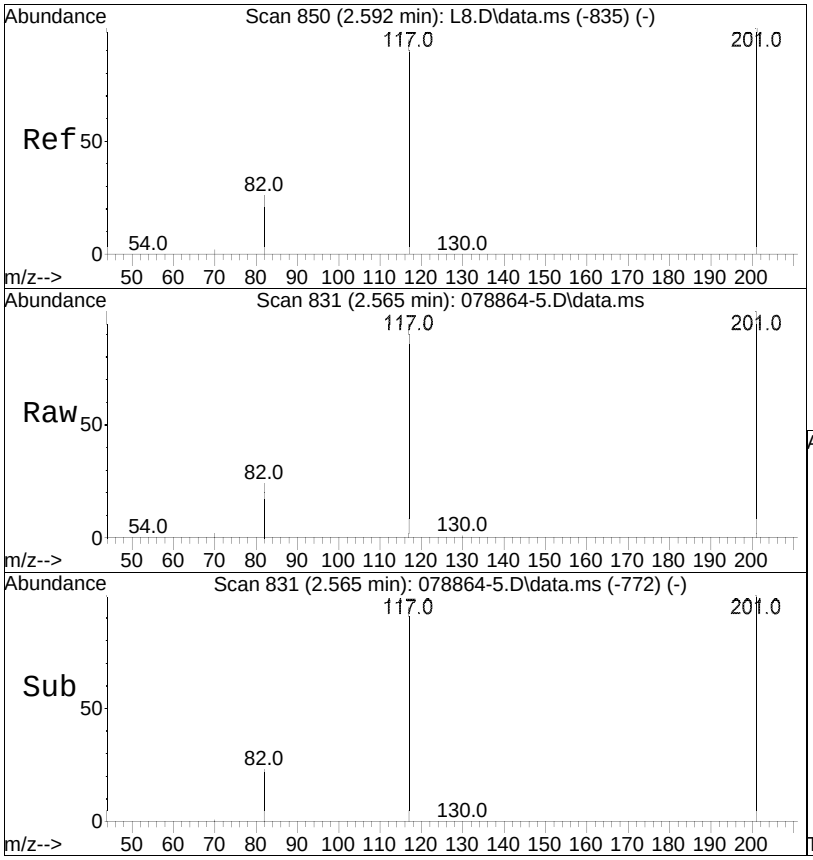
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : 078864-5.D
Acq On : 23 Jun 2025 07:32 pm
Operator : sv119:dv
Sample : WG2078864-5,32,,jjw
Misc : WG2082224,WG2078864,ical22394
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 23 19:46:28 2025
Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Mon Jun 23 09:30:43 2025
Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0623a.D•

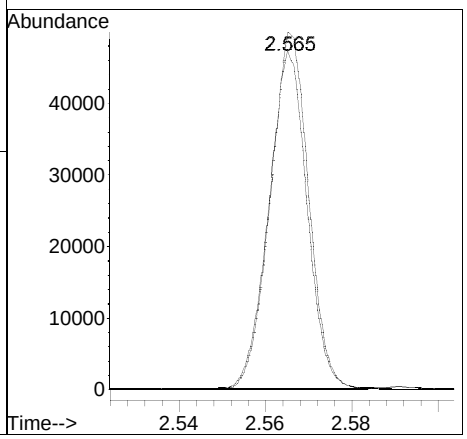


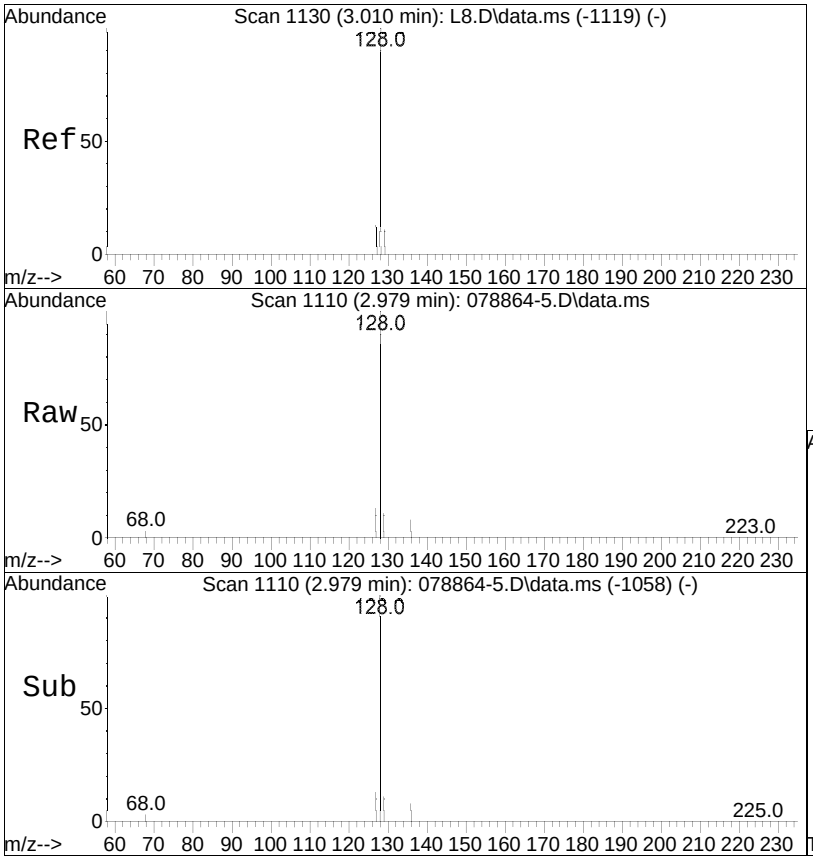


#7
Hexachloroethane
Concen: 783.25 ng/ml
RT: 2.565 min Scan# 831
Delta R.T. 0.002 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:117 Resp: 28849

Ion	Ratio	Lower	Upper
117	100		
201	105.6	82.9	124.3

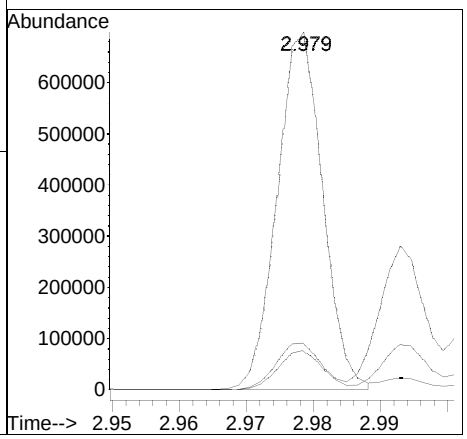


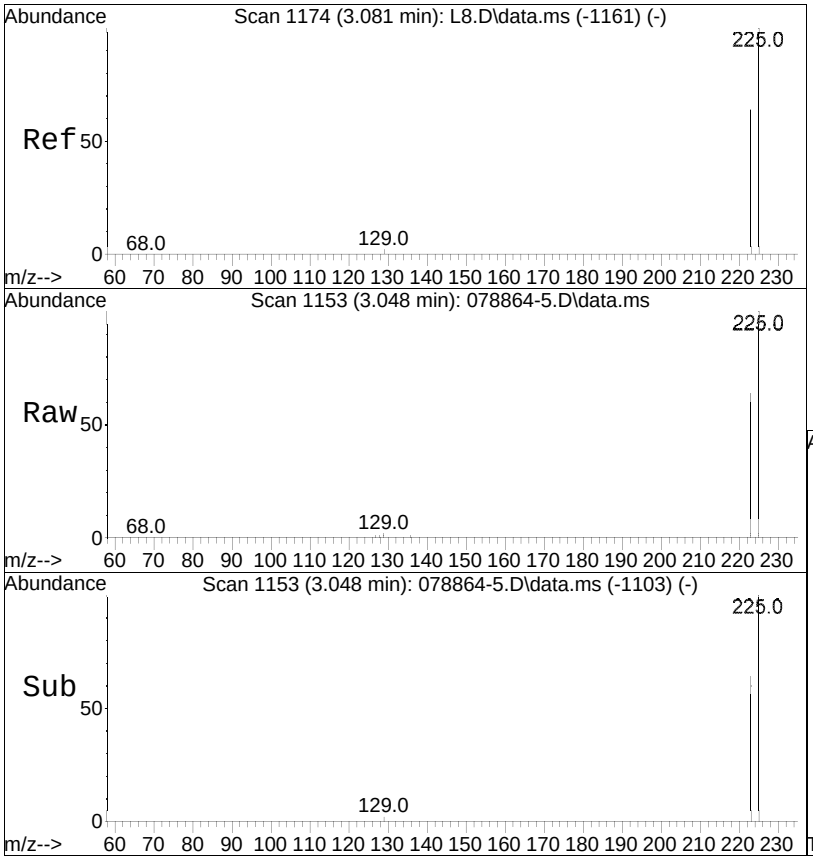


#10
Naphthalene
Concen: 1176.02 ng/ml
RT: 2.979 min Scan# 1110
Delta R.T. 0.003 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:128 Resp: 326933

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.5	10.6	15.8

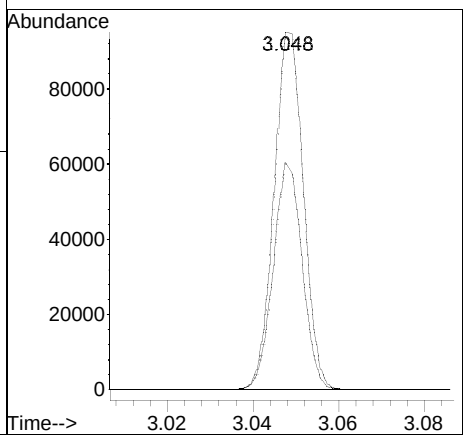


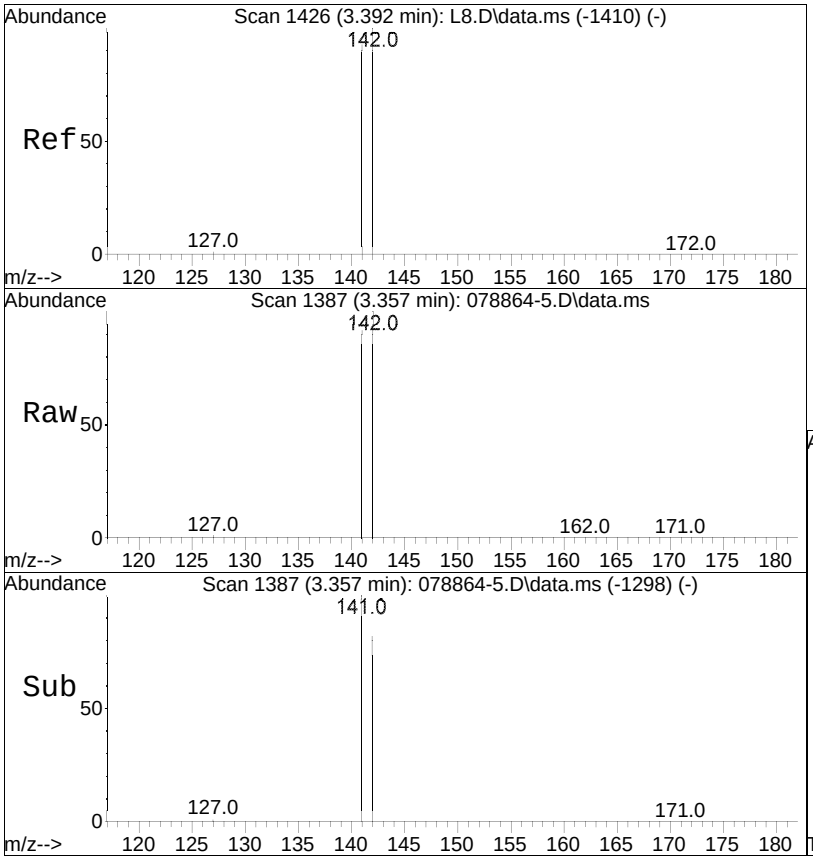


#11
Hexachlorobutadiene
Concen: 808.09 ng/ml
RT: 3.048 min Scan# 1153
Delta R.T. -0.000 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:225 Resp: 44481

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4

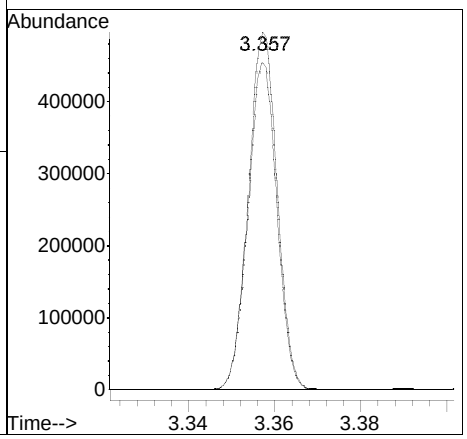


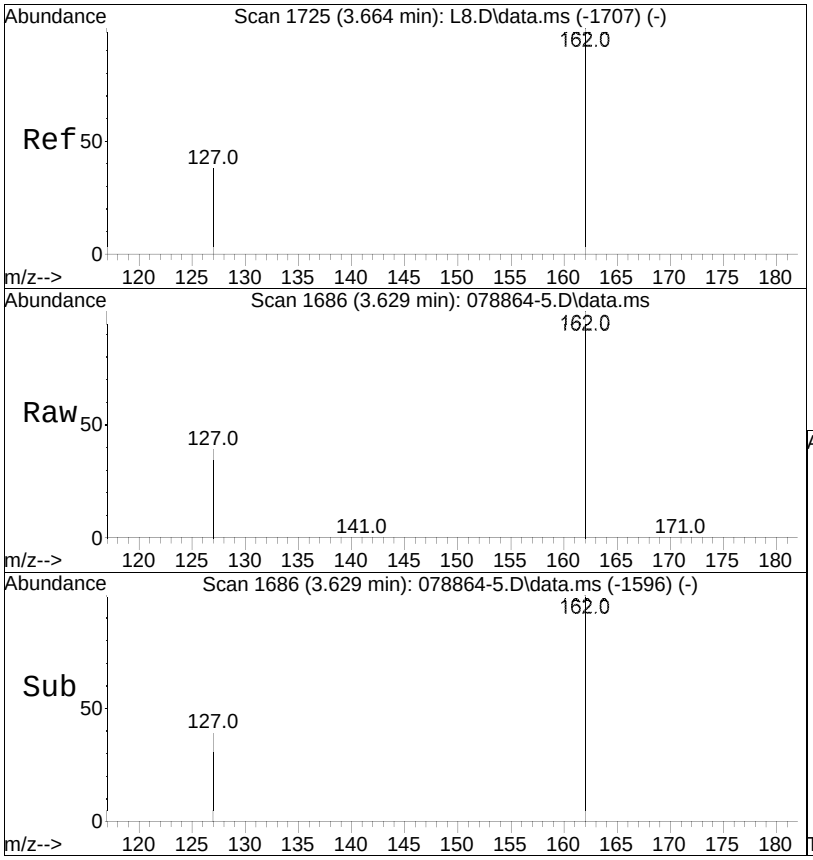


#12
2-Methylnaphthalene
Concen: 1236.96 ng/ml
RT: 3.357 min Scan# 1387
Delta R.T. 0.001 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:142 Resp: 228022

Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.6	110.4

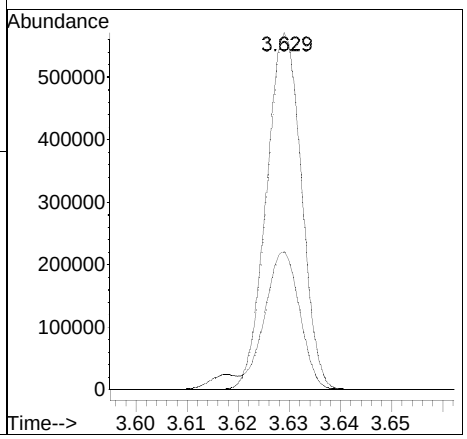


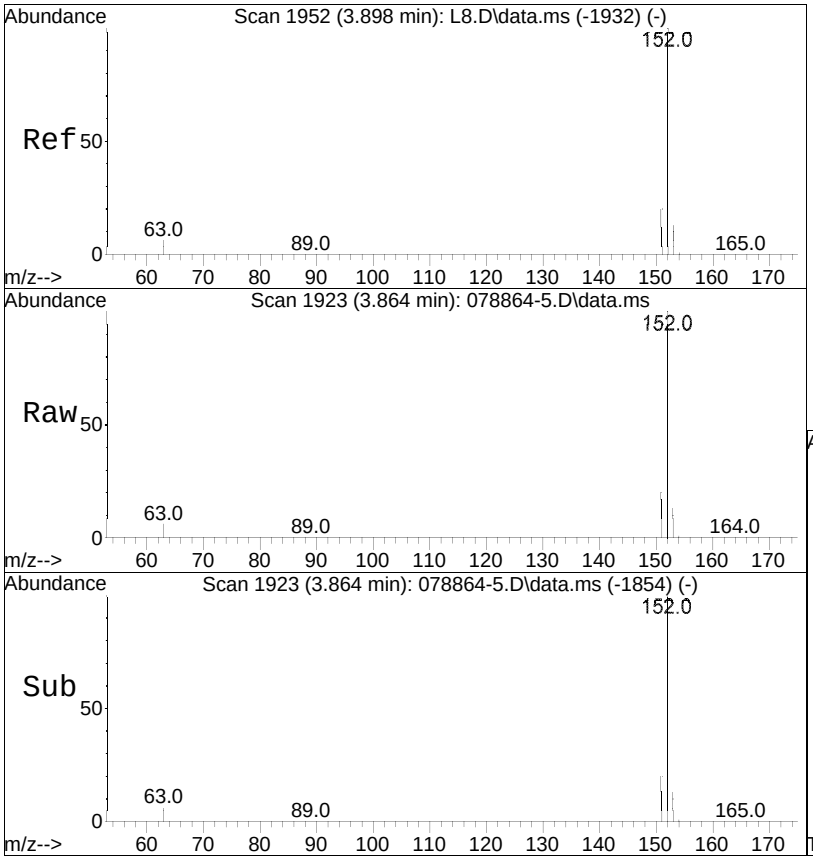


#15
2-Chloronaphthalene
Concen: 1301.00 ng/ml
RT: 3.629 min Scan# 1686
Delta R.T. 0.001 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:162 Resp: 268964

Ion	Ratio	Lower	Upper
162	100		
127	39.1	29.8	44.8

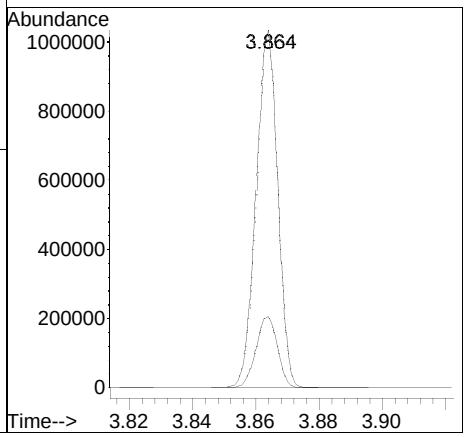


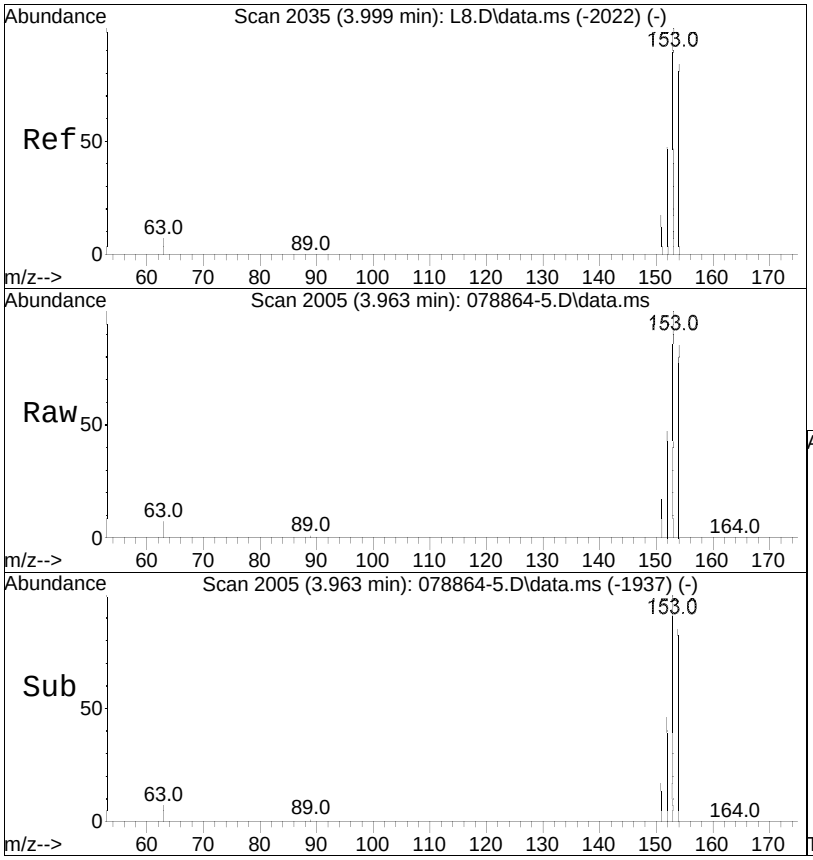


#17
Acenaphthylene
Concen: 1404.56 ng/ml
RT: 3.864 min Scan# 1923
Delta R.T. 0.002 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:152 Resp: 482682

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

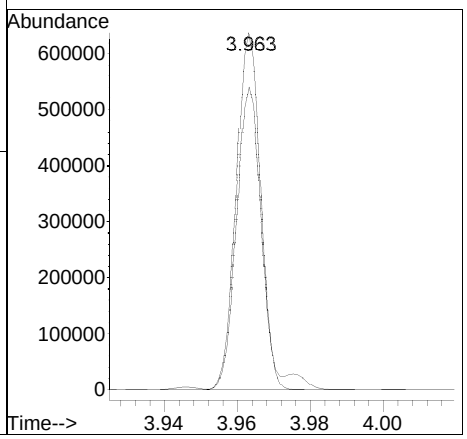


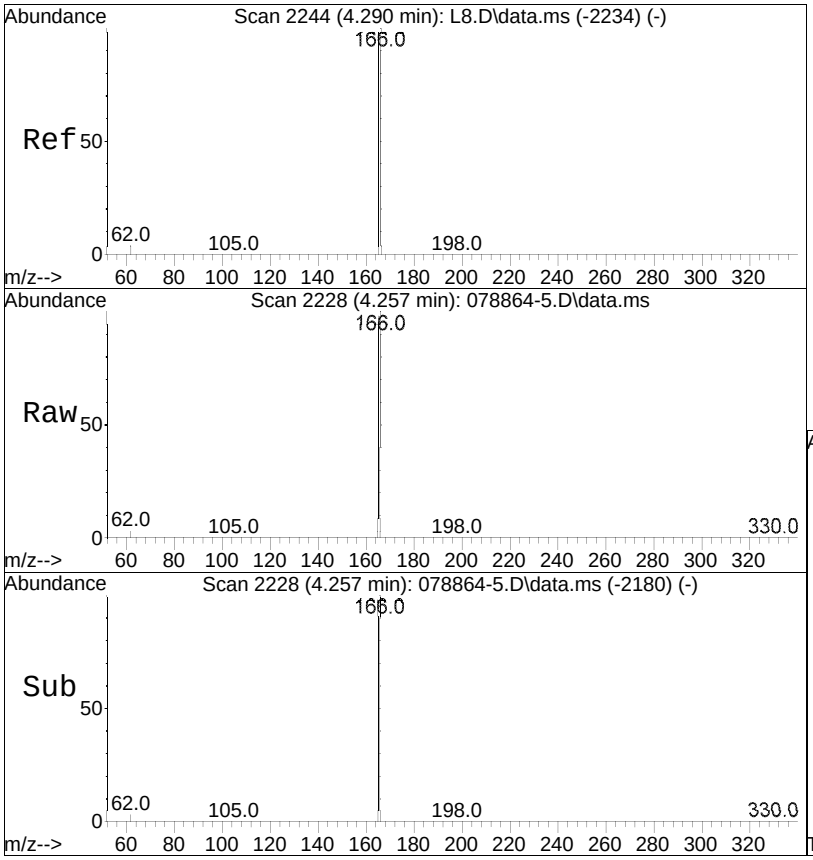


#19
Acenaphthene
Concen: 1376.91 ng/ml
RT: 3.963 min Scan# 2005
Delta R.T. 0.002 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:153 Resp: 293405

Ion	Ratio	Lower	Upper
153	100		
154	85.4	72.0	108.0

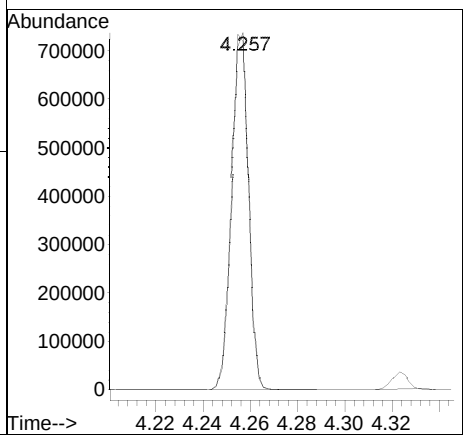


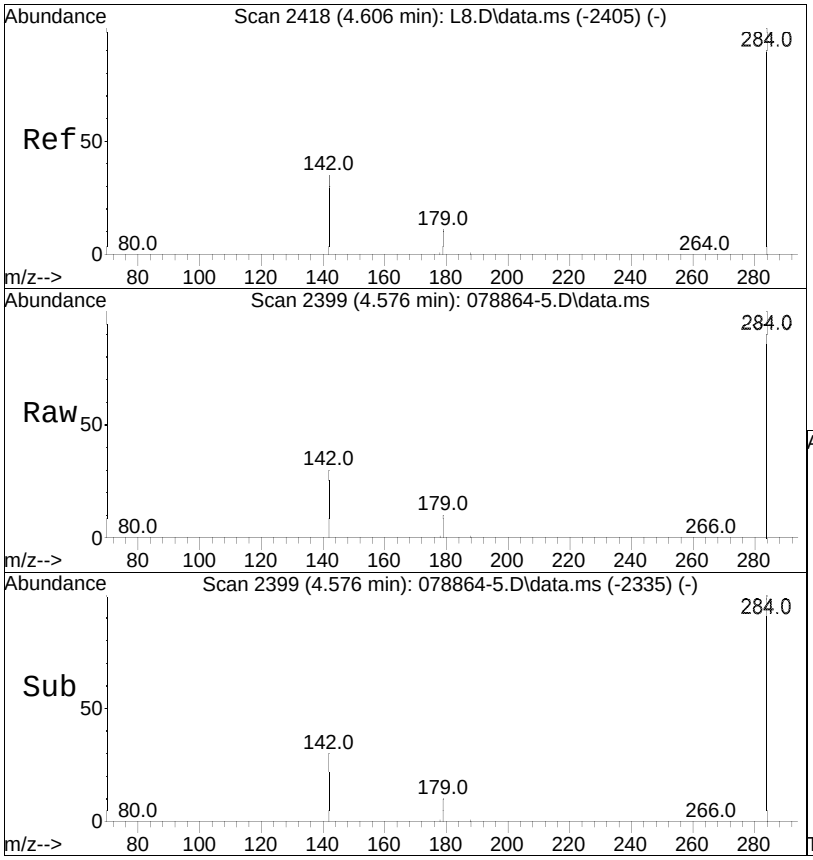


#21
Fluorene
Concen: 1434.48 ng/ml
RT: 4.257 min Scan# 2228
Delta R.T. 0.002 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:166 Resp: 365686

Ion	Ratio	Lower	Upper
166	100		
165	100.9	81.5	122.3

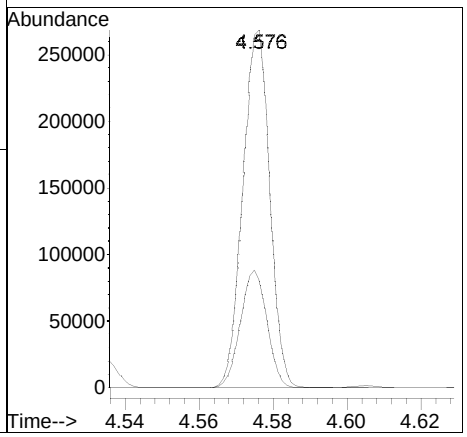


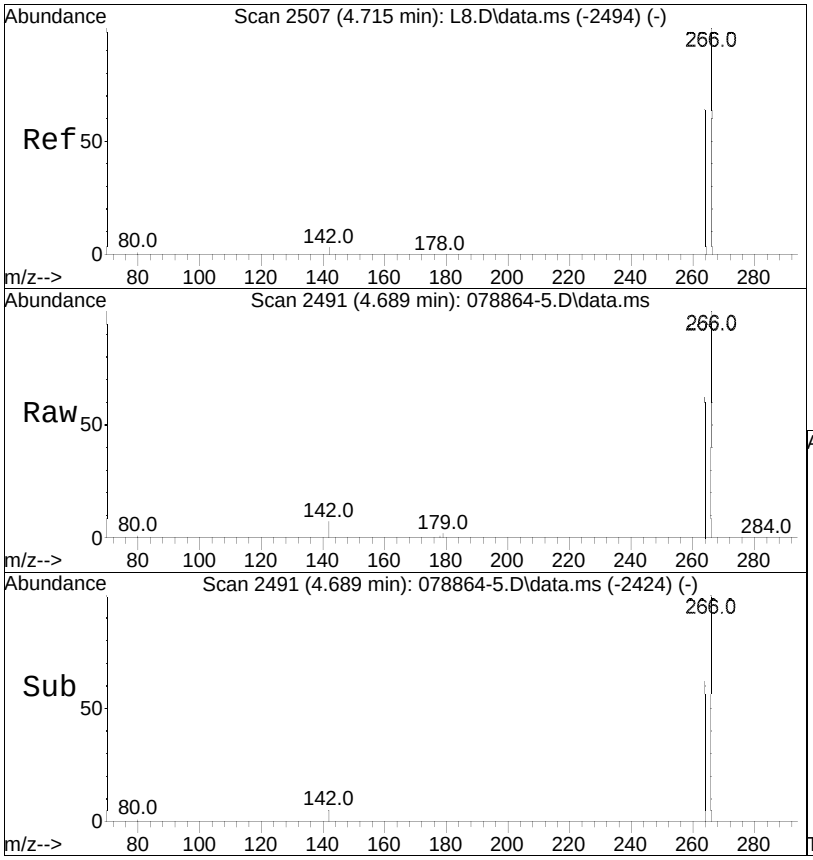


#25
Hexachlorobenzene
Concen: 1590.74 ng/ml
RT: 4.576 min Scan# 2399
Delta R.T. 0.002 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:284 Resp: 134461

Ion	Ratio	Lower	Upper
284	100		
142	32.5	28.8	43.2

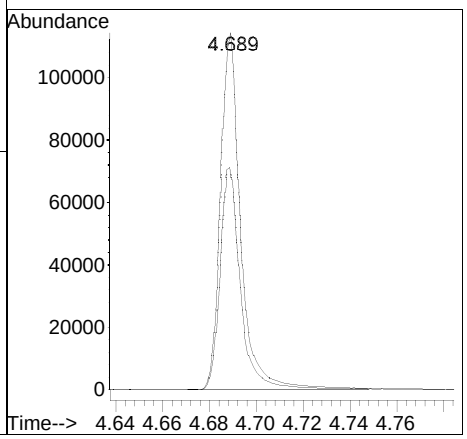


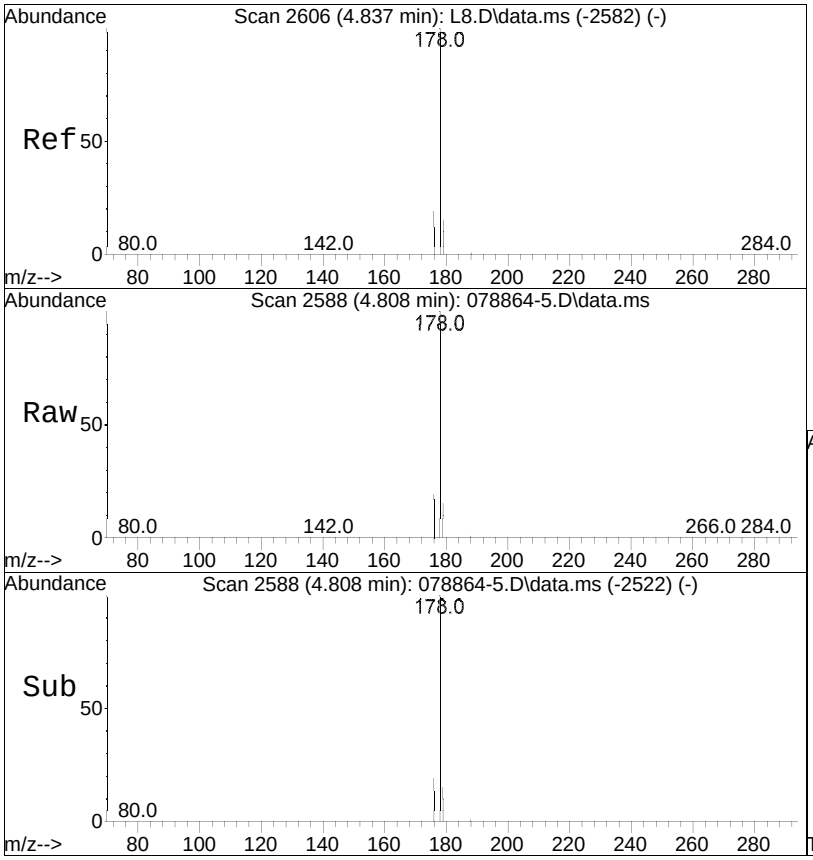


#26
Pentachlorophenol
Concen: 1696.56 ng/ml
RT: 4.689 min Scan# 2491
Delta R.T. 0.002 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:266 Resp: 68170

Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.6	76.0

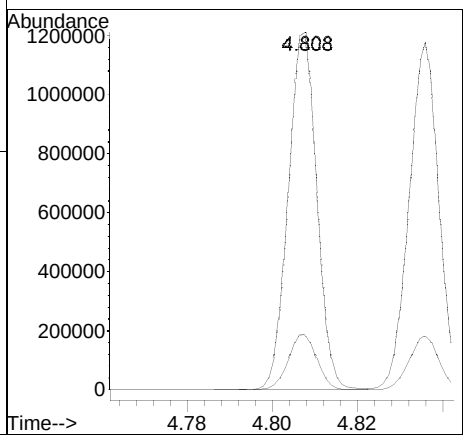


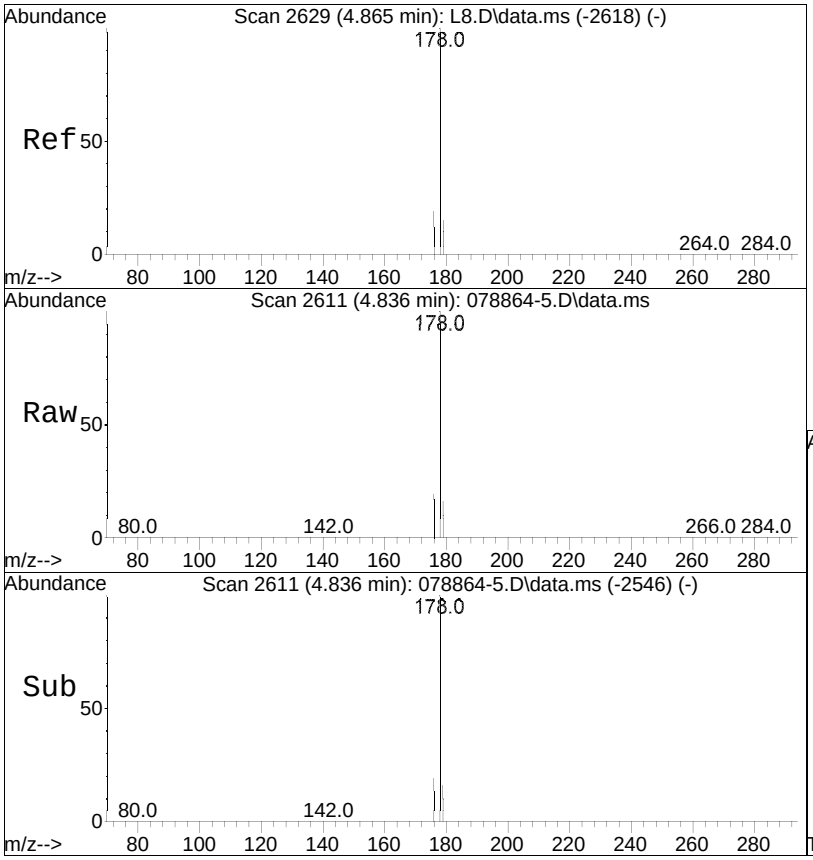


#27
Phenanthrene
Concen: 1395.41 ng/ml
RT: 4.808 min Scan# 2588
Delta R.T. 0.001 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:178 Resp: 566327

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

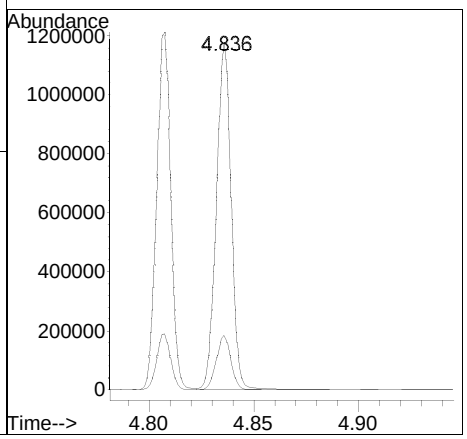


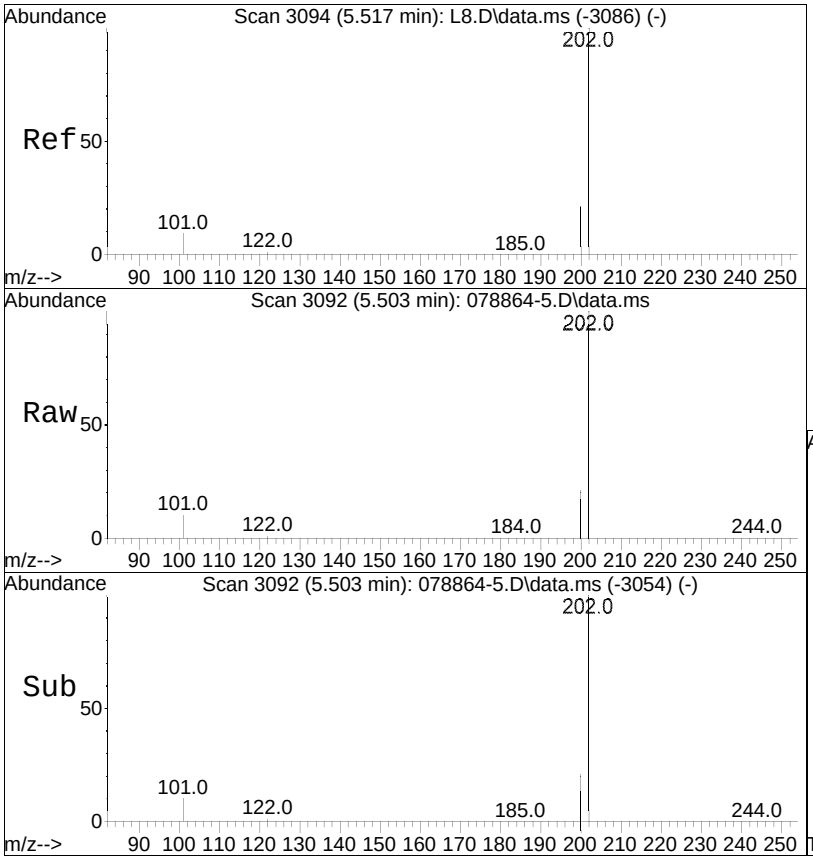


#28
Anthracene
Concen: 1457.80 ng/ml
RT: 4.836 min Scan# 2611
Delta R.T. -0.000 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:178 Resp: 577200

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2

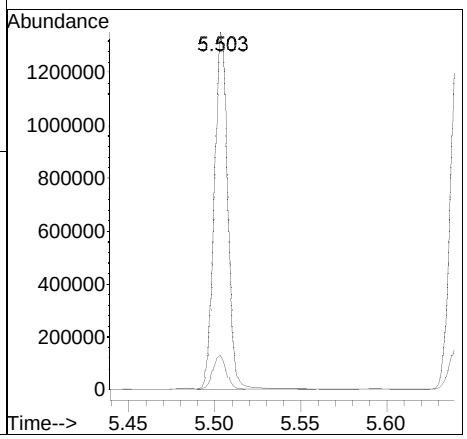


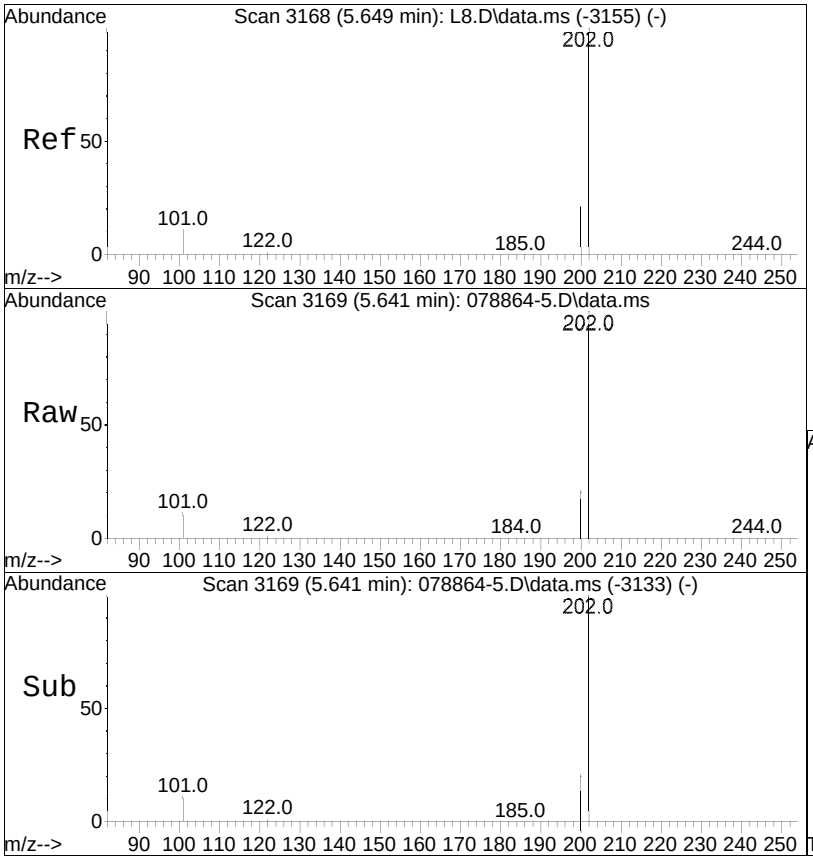


#29
Fluoranthene
Concen: 1493.70 ng/ml
RT: 5.503 min Scan# 3092
Delta R.T. -0.013 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:202 Resp: 737346

Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.5	11.3

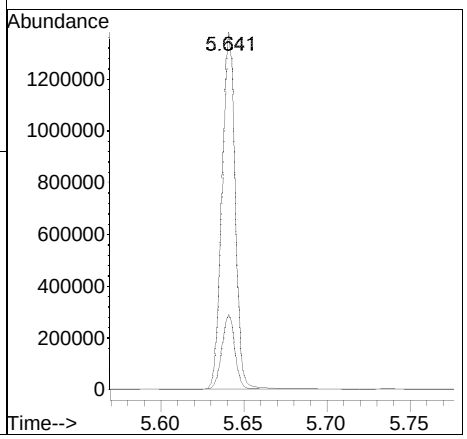


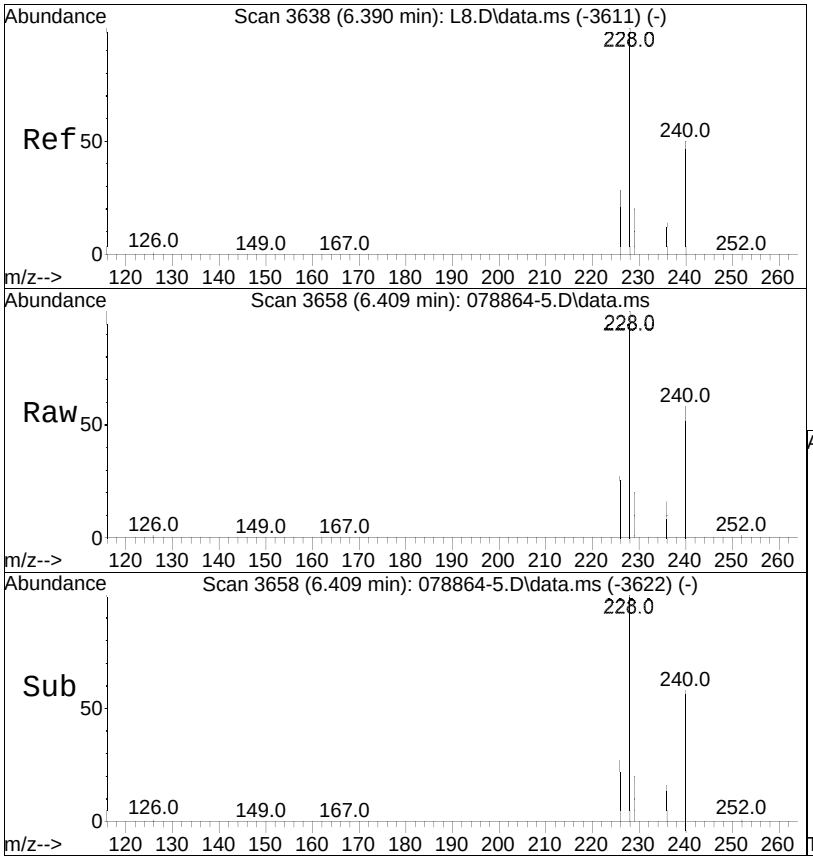


#30
Pyrene
Concen: 1479.36 ng/ml
RT: 5.641 min Scan# 3169
Delta R.T. -0.016 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:202 Resp: 753491

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

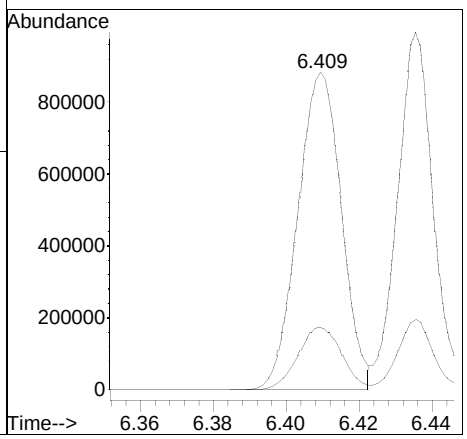


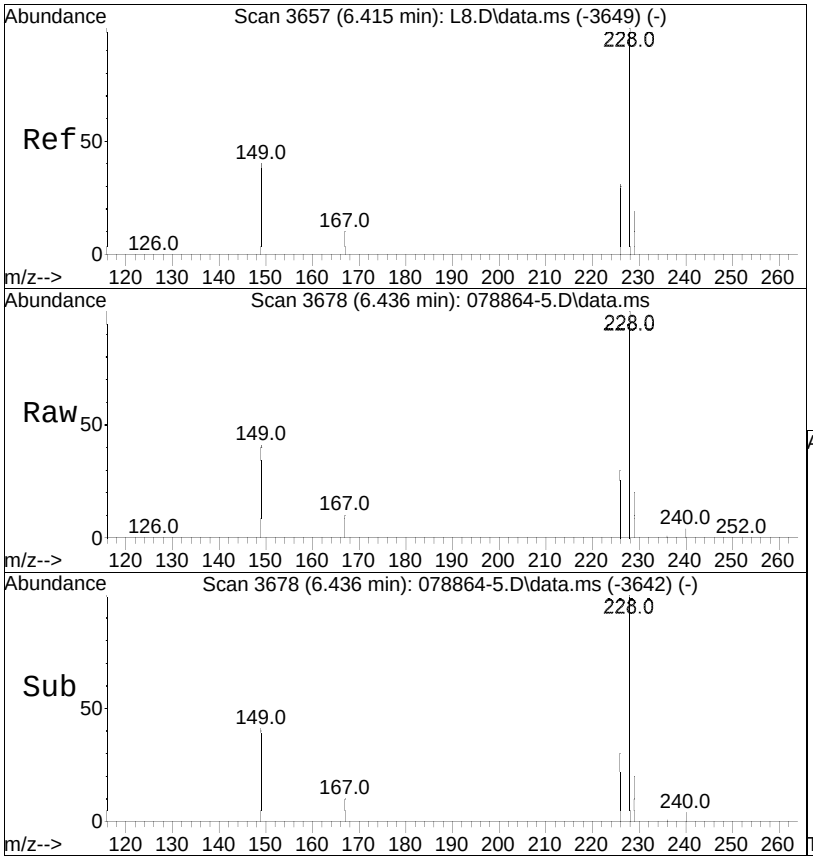


#34
Benzo[a]anthracene
Concen: 1485.02 ng/ml
RT: 6.409 min Scan# 3658
Delta R.T. -0.033 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:228 Resp: 730871

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.8	23.6

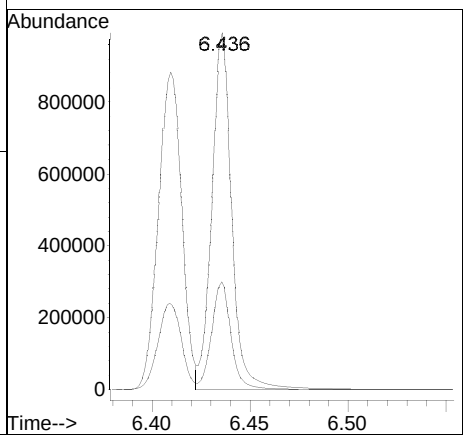


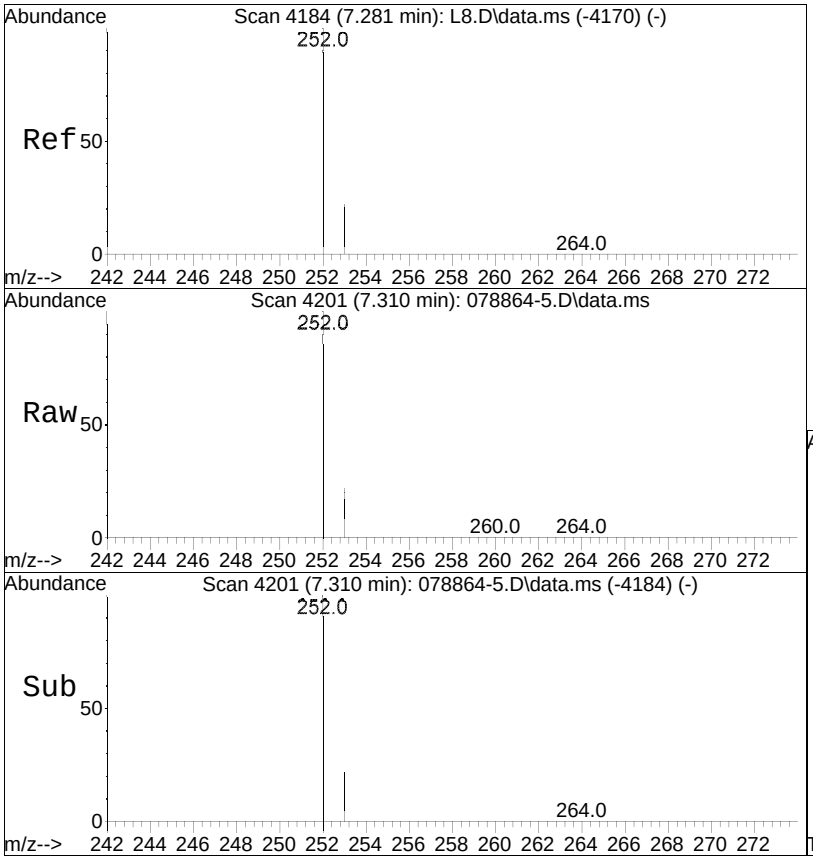


#36
Chrysene
Concen: 1505.38 ng/ml
RT: 6.436 min Scan# 3678
Delta R.T. -0.033 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:228 Resp: 693023

Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0

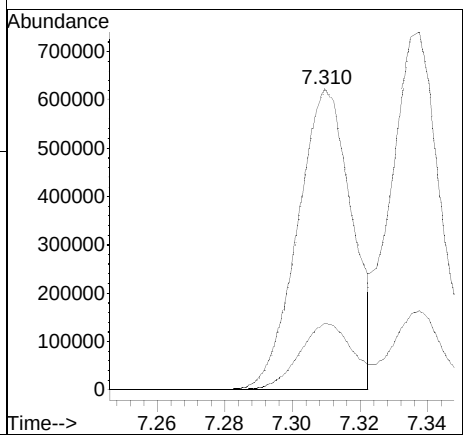


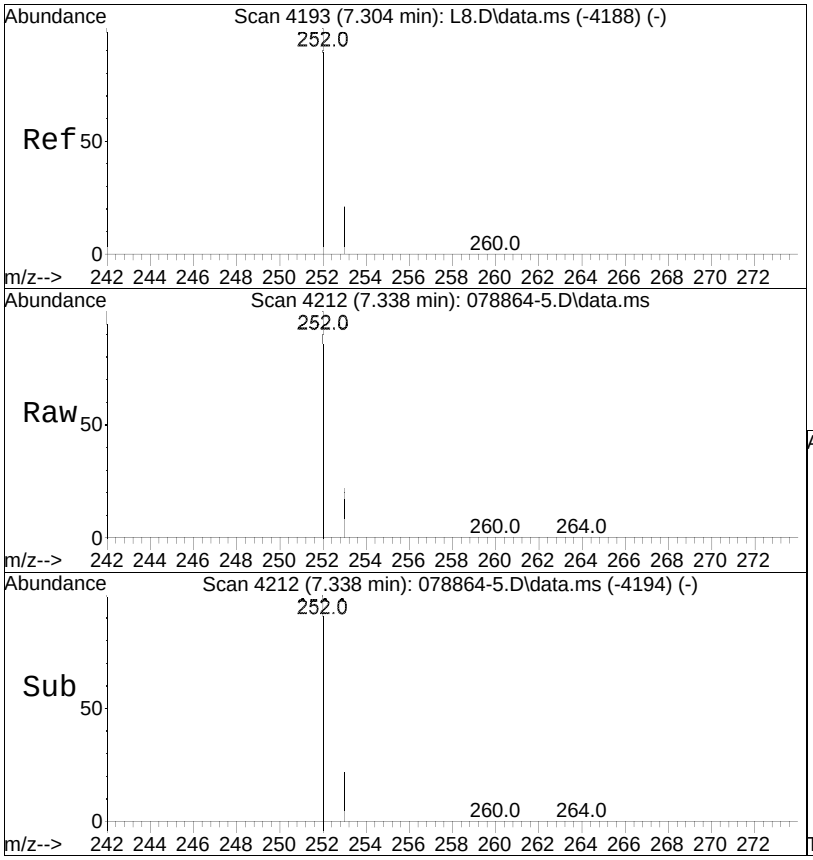


#39
Benzo[b]fluoranthene
Concen: 1485.14 ng/ml
RT: 7.310 min Scan# 4201
Delta R.T. -0.037 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:252 Resp: 694798

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.1	27.1

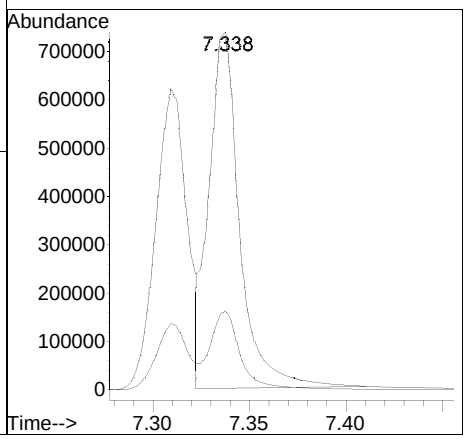


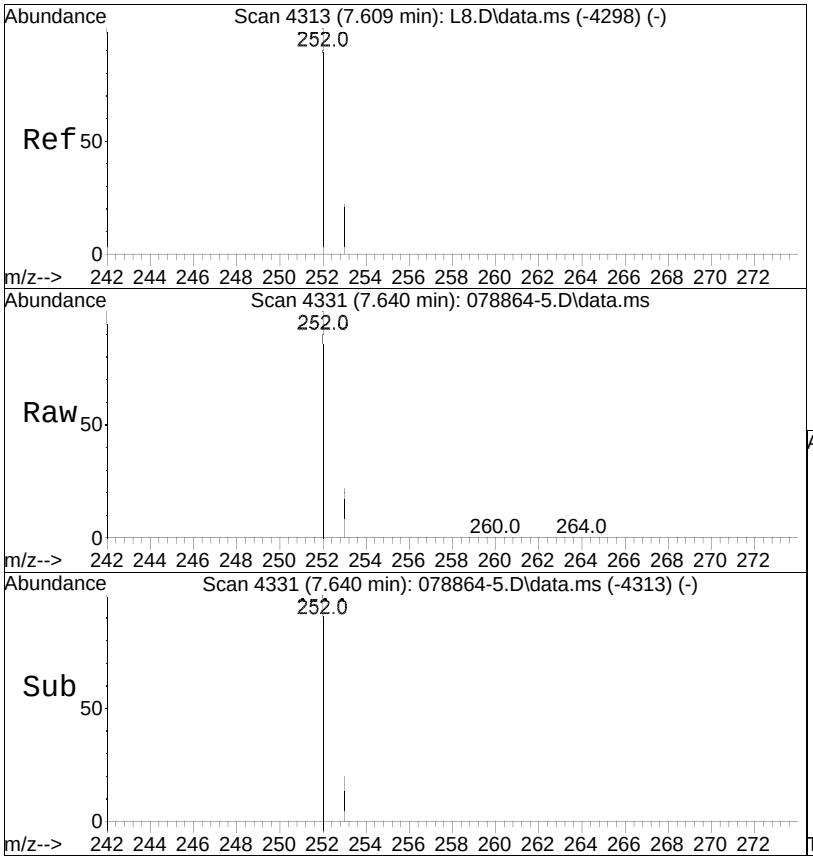


#40
Benzo[k]fluoranthene
Concen: 1635.81 ng/ml
RT: 7.338 min Scan# 4212
Delta R.T. -0.034 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:252 Resp: 808203

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4

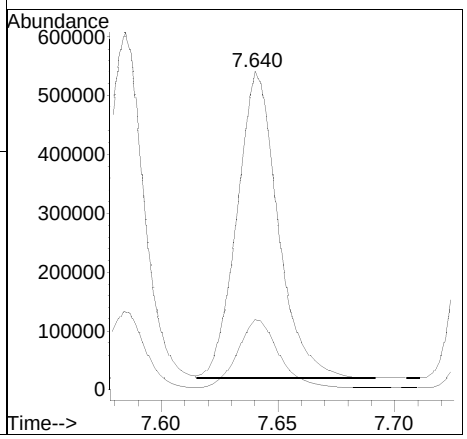


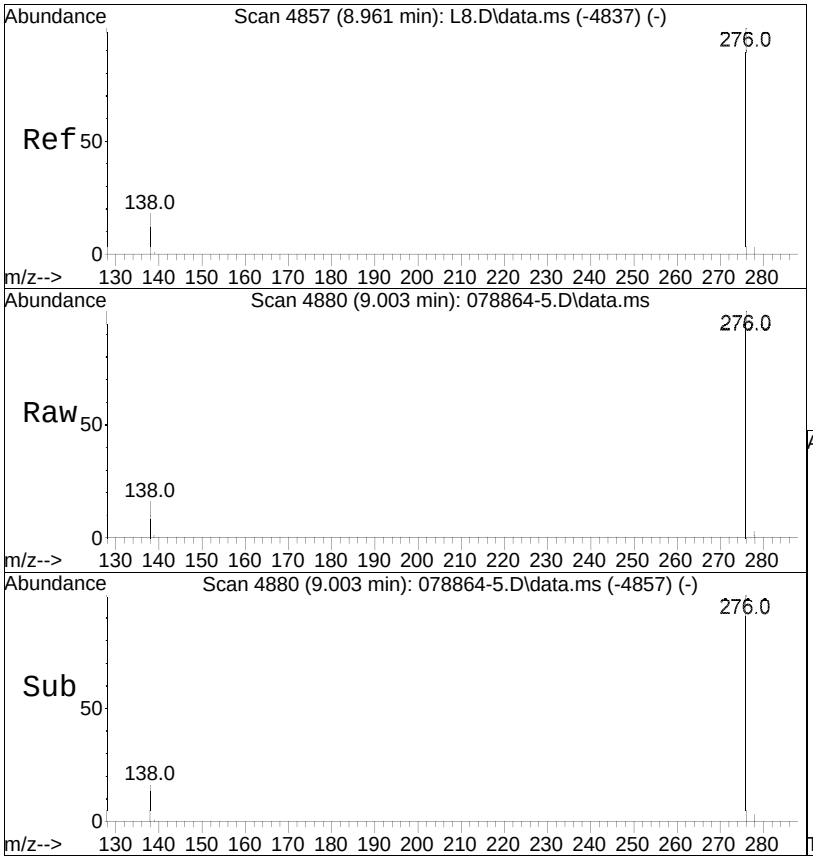


#41
Benzo[a]pyrene
Concen: 1495.49 ng/ml
RT: 7.640 min Scan# 4331
Delta R.T. -0.034 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:252 Resp: 636712

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0

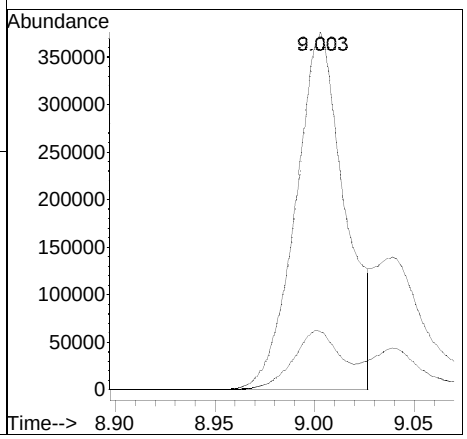


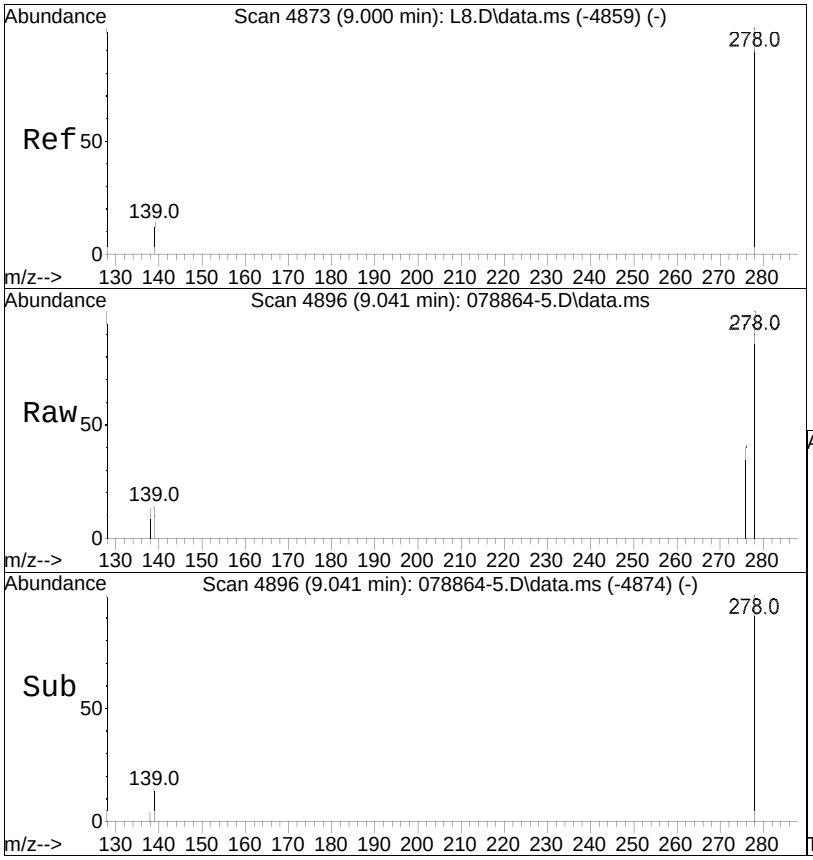


#42
Indeno[1,2,3-cd]pyrene
Concen: 1440.58 ng/ml
RT: 9.003 min Scan# 4880
Delta R.T. -0.025 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:276 Resp: 642066

Ion	Ratio	Lower	Upper
276	100		
138	15.7	14.4	21.6

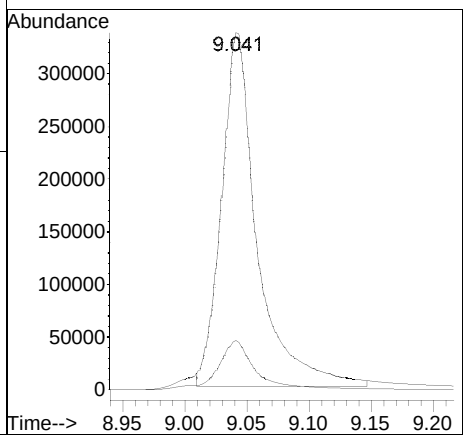


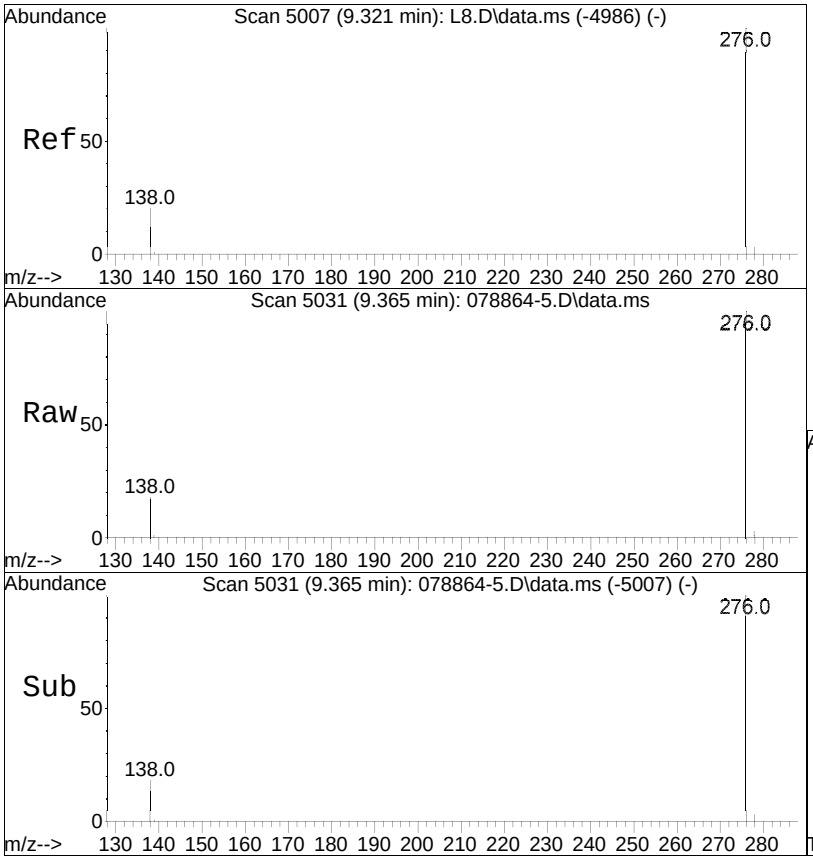


#43
Dibenzo[a,h]anthracene
Concen: 1559.41 ng/ml M6
RT: 9.041 min Scan# 4896
Delta R.T. -0.028 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:278 Resp: 664191

Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.1	18.1

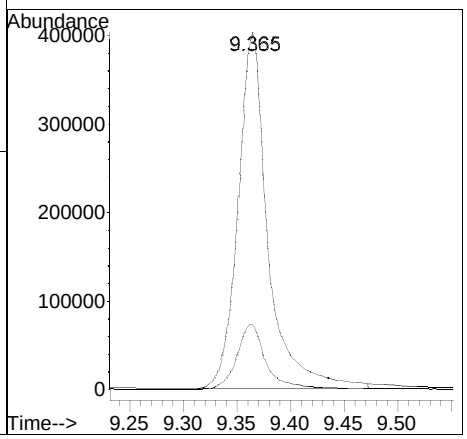




#44
Benzo[g,h,i]perylene
Concen: 1683.78 ng/ml M1
RT: 9.365 min Scan# 5031
Delta R.T. -0.023 min
Lab File: 078864-5.D
Acq: 23 Jun 2025 07:32 pm

Tgt Ion:276 Resp: 769351

Ion	Ratio	Lower	Upper
276	100		
138	17.6	16.0	24.0

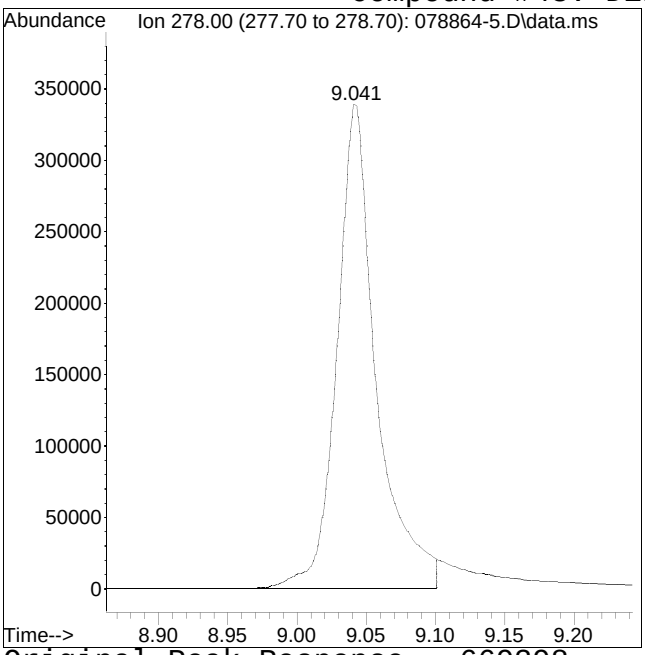


Manual Integration Report

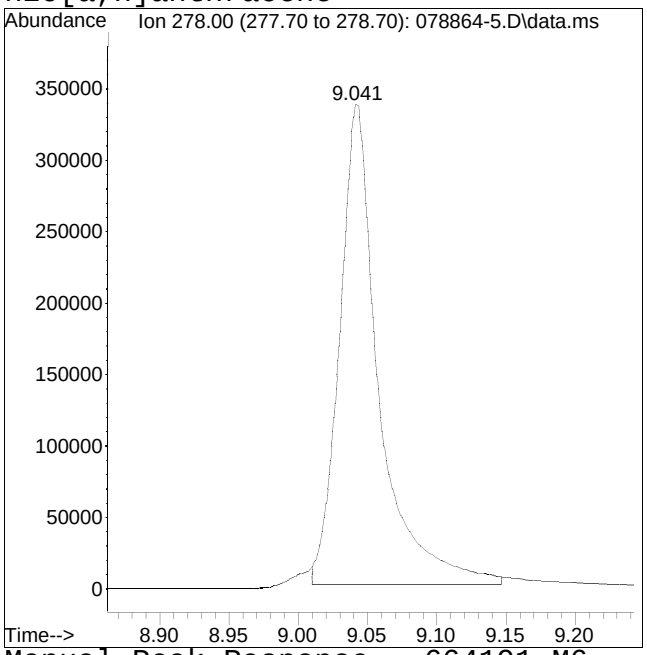
Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 078864-5.D
Date Inj'd : 6/23/2025 7:32 pm
Sample : WG2078864-5,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/23/2025 7:46 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 669398



Manual Peak Response = 664191 M6

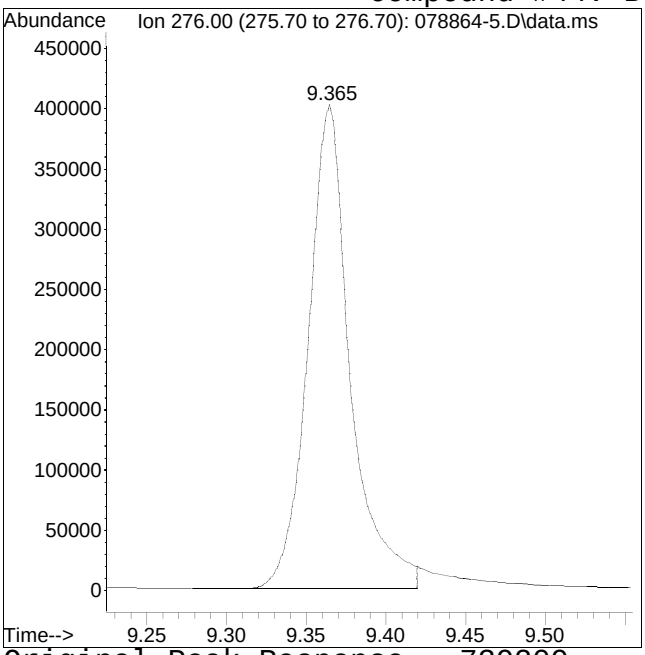
M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

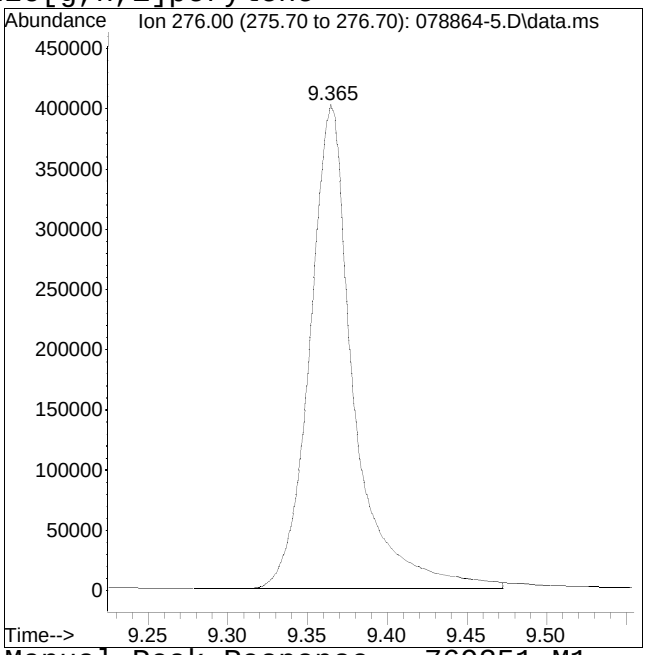
Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 078864-5.D
Date Inj'd : 6/23/2025 7:32 pm
Sample : WG2078864-5,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:dv
Instrument : SV119
Quant Date : 6/23/2025 7:46 pm

Compound #44: Benzo[g,h,i]perylene





Original Peak Response = 739209 Manual Peak Response = 769351 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: Amt * DF * 1000 * (1/Vo) * Vf

Where:
DF = Dilution Factor
Vo = Volume of Sample (mL)
Vf = Extraction Lab Final Volume (mL)

Soil Concentration Formula: Amt * DF * 1000 * (1/Wt) * Vf * (100/TS)
Where:
DF = Dilution Factor
Wt = Weight of Sample (g)
Vf = Extraction Lab Final Volume (mL)
TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 26 2025, 12:57 pm

Work Group: WG2078864 for Department: 2 Organic Preparation

Created: 14-JUN-25 Due: Operator: ZCH

Sample	Client ID	C	Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2536247-01	MW-06A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-02	MW-06B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-03	MW-07A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-04	MW-07B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-05	MW-10B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-06	MW-10A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-07	MW-09A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-08	MW-09B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0617	0624	S0	Amber-A.1
L2536247-09	MW-05B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-10	MW-05A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-11	MW-08B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-12	MW-08A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-13	MW-02A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-14	MW-02B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-15	MW-03B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-16	MW-03A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-17	MW-04A	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-18	MW-04B	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
L2536247-20	DUP001	C	NYTCL-8270-SIM-RVT	WATER	DONE	U	0616	0624	S0	Amber-A.1
WG2078864-1	Laboratory Method Bl	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2078864-2	Laboratory Control S	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2078864-3	LCS Duplicate	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2078864-4	Matrix Spike	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2078864-5	Matrix Spike Duplica	S	NYTCL-8270-SIM-RVT	WATER	DONE	U				

Comments:

WG2078864-3	WG2078864-2
WG2078864-4	L2536247-12
WG2078864-5	L2536247-12

Dep.: GCMS
Inst: SV118
Date: **02/03/25**
Run:

Method
GC: SIM RVT

Seq: WG2028184
ICAL: 21963

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
3	L8scan	IL8,32,, #11281 1000 ng/ml				
48	TUNEa	TUNE				
1	L10	IL10,32,, #11278 5000 ng/ml				
2	L9	IL9,32,, #11280 2500 ng/ml				
3	L8	IL8,32,, #11281 1000 ng/ml				
4	L7	IL7,32,, #11282 500 ng/ml				
5	L6	IL6,32,, #11283 100 ng/ml				
6	L5	IL5,32,, #11284 40 ng/ml				
7	L4	IL4,32,, #11285 10 ng/ml				
8	L3	IL3,32,, #11286 5 ng/ml				
9	L2	IL2,32,, #11287 2 ng/ml				
10	L1	IL1,32,, #11288 1 ng/ml				
11	ICV	QCICV,32,, #11275 1000 ng/ml				
12	instblk	instrument blank			RAP	

Analysis log File

Total Files Reported in Log : 14
Log Generated From Directory: I:\8270\SV106\250311ical_SIM\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	Tune1.D	ABNRVT(SIM).	TUNE	WG2051155,,ical	3/11/2025 4:27 pm
2	SIML10.D	ABNRVT(SIM).	IL5,32,,ABNL5 Lot# 1142	wg,,ical	3/11/2025 6:01 pm
3	SIML9.D	ABNRVT(SIM).	IL6,32,,ABNL2.5 Lot# 11	wg,,ical	3/11/2025 6:24 pm
4	SIML8.D	ABNRVT(SIM).	IL7,32,,ABNL1 Lot# 1143	wg,,ical	3/11/2025 6:48 pm
5	SIML7.D	ABNRVT(SIM).	IL8,32,,ABNL0.5 Lot# 11	wg,,ical	3/11/2025 7:11 pm
6	SIML6.D	ABNRVT(SIM).	IL10,32,,ABNL0.1 Lot# 1	wg,,ical	3/11/2025 7:58 pm
7	SIML5.D	ABNRVT(SIM).	IL5,32,,0.04 Lot# 11284	wg,,ical	3/11/2025 8:21 pm
8	SIML4.D	ABNRVT(SIM).	IL4,32,,0.01 Lot# 11285	wg,,ical	3/11/2025 8:45 pm
9	SIML3.D	ABNRVT(SIM).	IL3,32,,0.005 Lot# 1128	wg,,ical	3/11/2025 9:08 pm
10	SIML2.D	ABNRVT(SIM).	IL2,32,,0.002 Lot# 1128	wg,,ical	3/11/2025 9:32 pm
11	SIML1.D	ABNRVT(SIM).	IL1,32,,0.001 Lot# 1128	wg,,ical	3/11/2025 9:55 pm
12	SIMICV.D	ABNRVT(SIM).	CQICV1,32,,1 Lot# 11275	wg,,ical	3/11/2025 10:42 pm
13	Tune2.D	ABNRVT(SIM).	Tune2 Lot# 11459	WG2039658,,ical	3/11/2025 11:05 pm
14	Blank.D	ABNRVT(SIM).	RVT Instrument Blank	wg,,ical	3/12/2025 7:16 am

Analysis log File

Total Files Reported in Log : 13
Log Generated From Directory: I:\8270SIM\sv119\250618RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRUN.M	TUNE	WG2080956,,ical	6/18/2025 6:07 pm
2	L10.D	SIM-RVT.M	IL10,32,,5 Lot# 11697	WG2080956,,ical	6/18/2025 6:34 pm
3	L9.D	SIM-RVT.M	IL9,32,,2.5 Lot# 11699	WG2080956,,ical	6/18/2025 6:50 pm
4	L8.D	SIM-RVT.M	IL8,32,,1 Lot# 11700	WG2080956,,ical	6/18/2025 7:07 pm
5	L7.D	SIM-RVT.M	IL7,32,,0.5 Lot# 11701	WG2080956,,ical	6/18/2025 7:23 pm
6	L6.D	SIM-RVT.M	IL6,32,,0.1 Lot# 11702	WG2080956,,ical	6/18/2025 7:40 pm
7	L5.D	SIM-RVT.M	IL5,32,,0.04 Lot# 11703	WG2080956,,ical	6/18/2025 7:56 pm
8	L4.D	SIM-RVT.M	IL4,32,,0.01 Lot# 11704	WG2080956,,ical	6/18/2025 8:13 pm
9	L3.D	SIM-RVT.M	IL3,32,,0.005 Lot# 1170	WG2080956,,ical	6/18/2025 8:30 pm
10	L2.D	SIM-RVT.M	IL2,32,,0.002 Lot# 1170	WG2080956,,ical	6/18/2025 8:46 pm
11	L1.D	SIM-RVT.M	IL1,32,,0.001 Lot# 1170	WG2080956,,ical	6/18/2025 9:03 pm
12	ICV.D	SIM-RVT.M	CQICV1,32,,1 Lot# 11696	WG2080956,,ical	6/18/2025 9:19 pm
13	instblk.D	SIM-RVT.M			6/18/2025 9:36 pm

Dep.: GCMS
Inst: SV118
Date: **06/22/25**
Run: a

Method
GC: SIM RVT

Seq: WG2082077
ICAL: 21963

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0622a	wg-1,32,,dftpp SV118 lot #11649				slr 6/23
49	ccv0622a	wg-3,32,,ICV 11275 (0621d)				slr 6/23
50	blk0622a	instrument blank				
1	35687-03	L2535687-03,32,,RV,rp				slr 6/23
2	35687-04	L2535687-04,32,,RV,rp				slr 6/23
3	35700-01	L2535700-01,32,,RV,rp	RV; low IS			slr 6/23
4	35700-02	L2535700-02,32,,RV,rp	RV; low IS			slr 6/23
5	35700-03	L2535700-03,32,,RV,rp	RV; low IS			slr 6/23
6	706-11d1	L2535706-11d,32,5,RV,rp	RV at 5x; low IS			slr 6/23
7	37064-01	L2537064-01,32,,rp				slr 6/23
8	37064-02	L2537064-02,32,,rp	RV at 5x; low IS			slr 6/23
9	37064-03	L2537064-03,32,,rp				slr 6/23
10	37064-04	L2537064-04,32,,rp				slr 6/23
11	37064-05	L2537064-05,32,,rp				slr 6/23
12	37064-06	L2537064-06,32,,rp				slr 6/23
13	37064-07	L2537064-07,32,,rp				slr 6/23
14	37064-08	L2537064-08,32,,rp				slr 6/23
15	37064-09	L2537064-09,32,,rp				slr 6/23
16	37064-10	L2537064-10,32,,rp				slr 6/23
17	080182-4	WG2080182-4,32,,rp				slr 6/23
18	080182-5	WG2080182-5,32,,rp				slr 6/23
19	35972-01	L2535972-01,32,,rp	RV at 5x; high IS			slr 6/23
20	35972-10	L2535972-10,32,,rp				slr 6/23
21	36281-01	L2536281-01,32,,rp				dv 6/23
22	36281-02	L2536281-02,32,,rp				dv 6/23
23	36281-03	L2536281-03,32,,rp	RR high IS			dv 6/23
24	36281-04	L2536281-04,32,,rp	RR high IS			dv 6/23
25	36281-05	L2536281-05,32,,rp	RR high IS			dv 6/23
26	37297-01	L2537297-01,32,,rp	RR high IS			dv 6/23
27	36247-01	L2536247-01,32,,rp	RR high IS			dv 6/23
28	36247-02	L2536247-02,32,,rp	RR high IS			dv 6/23
29	36247-03	L2536247-03,32,,rp	RR high IS			dv 6/23
30	36247-04	L2536247-04,32,,rp	RR high IS			dv 6/23
31	36247-05	L2536247-05,32,,rp	RR high IS			dv 6/23
32	36247-06	L2536247-06,32,,rp				dv 6/23
33	36247-07	L2536247-07,32,,rp				dv 6/23
34	36247-08	L2536247-08,32,,rp	RR high IS			dv 6/23
35	36247-09	L2536247-09,32,,rp	RR high IS		Sv-hny	dv 6/23
36	36247-10	L2536247-10,32,,rp				dv 6/23
37	36247-11	L2536247-11,32,,rp	RR high IS			dv 6/23
38	851-04d1	L2536851-04d,32,10,rp				
39	5681-116	L2505681-116,32,,rp				
40	5681-103	L2505681-103,32,,rp			rap	slr 6/23
					Sv-csn	

Dep.: GCMS
Inst: SV119
Date: **06/23/25**
Run:

Method
GC: SIM RVT

Seq: WG2082224
ICAL: 22394

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0623	wg-1,32,,dftpp SV119 lot# 11649				slr 6/23
49	ccv0623	wg-3,32,,CCV 11700 (0621)				
49	ccv0623a	wg-3,32,,ICV 11696 (0622)	PCP, Indeno low			slr 6/23
50	blank0623	instrument blank				
1	082081-1	WG2082081-1,32,,jjw				06/23 RAP
2	082081-2	WG2082081-2,32,,jjw				06/23 RAP
3	082081-3	WG2082081-3,32,,jjw				06/23 RAP
4	080182-1	WG2080182-1,32,,jjw				slr 6/23
5	080182-2	WG2080182-2,32,,jjw				slr 6/23
6	080182-3	WG2080182-3,32,,jjw				slr 6/23
7	36851-04	L2536851-04,32,,jjw	report fullscan			06/23 RAP
8	081649-2	WG2081649/52-2,32,,jjw				06/23 RAP
9	081649-3	WG2081649/52-3,32,,jjw				06/23 RAP
10	081649-1	WG2081649/52-1,32,,jjw	RV - hits over RL			06/23 RAP
11	079233-2	WG2079233-2,32,,jjw				06/23 RAP
12	079233-3	WG2079233-3,32,,jjw				06/23 RAP
13	079233-1	WG2079233-1,32,,jjw				06/23 RAP
14	37057-02	L2537057-02,32,,jjw				06/23 RAP
15	37716-05	L2537716-05,32,,R3A,jjw				06/23 RAP
16	38793-02	L2538793-02,32,,R1C,jjw				06/23 RAP
17	38793-04	L2538793-04,32,,R1C,jjw				06/23 RAP
18	38793-03	L2538793-03,32,,R1C,jjw				06/23 RAP
19	081652-4	WG2081652-4,32,,jjw				06/23 RAP
20	081652-5	WG2081652-5,32,,jjw				06/23 RAP
21	38558-01	L2538558-01,32,,R1D,jjw				06/23 RAP
22	38558-03	L2538558-03,32,,R1D,jjw				06/23 RAP
23	078864-2	WG2078864-2,32,,jjw				06/23 RAP
24	078864-3	WG2078864-3,32,,jjw				06/23 RAP
25	078864-1	WG2078864-1,32,,jjw	RV - hits over RL			06/23 RAP
26	36247-13	L2536247-13,32,,jjw				06/23 DV
27	36247-14	L2536247-14,32,,jjw	RV- vial empty			06/23 RAP
28	36247-15	L2536247-15,32,,jjw			SV-RAP	06/23 DV
29	36247-16	L2536247-16,32,,jjw				06/23 DV
30	36247-17	L2536247-17,32,,jjw				06/23 DV
31	36247-18	L2536247-18,32,,jjw				06/23 DV
32	36247-20	L2536247-20,32,,jjw				06/23 DV
33	36247-12	L2536247-12,32,,jjw				06/23 DV
34	078864-4	WG2078864-4,32,,jjw				06/23 DV
35	078864-5	WG2078864-5,32,,jjw			JJW	06/23 DV
					SV-DV	

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0625n	wg-1,32,,SV106 Degdftpp Lot # 11649				06/26 RAP
142	SIM0625n	wg-3,32,,CCV 11700 rap0621D	PCP low, 4,6-D high			06/26 RAP
143	blank	blank				
1	079071-1	WG2079071-1,32,,RV,dv				06/26 RAP
2	079071-2	WG2079071-2,32,,RV,dv				slr 6/26
3	079071-3	WG2079071-3,32,,RV,dv				slr 6/26
4	36173-01	L2536173-01,32,,RV,dv				
5	36173-02	L2536173-02,32,,RV,dv				
6	520-07d1	L2536520-07d,32,5,dv				slr 6/26
7	37641-01	L2537641-01,32,,dv				
8	37781-01	L2537781-01,32,,dv				
9	37781-02	L2537781-02,32,,dv				
10	079180-2	WG2079180-2,32,,dv				slr 6/26
11	079180-3	WG2079180-3,32,,dv				slr 6/26
12	079180-1	WG2079180-1,32,,dv				slr 6/26
13	36689-01	L2536689-01,32,,dv				
14	36689-02	L2536689-02,32,,dv				
15	36689-03	L2536689-03,32,,dv				
16	36690-01	L2536690-01,32,,dv				
17	079971-2	WG2079971/3-2,32,,dv				slr 6/26
18	079973-3	WG2079971/3-3,32,,dv				slr 6/26
19	079973-1	WG2079971/3-1,32,,dv				06/26 RAP
20	36247-01	L2536247-01,32,,dv				slr 6/26
21	36247-02	L2536247-02,32,,dv				slr 6/26
22	36520-13	L2536520-13,32,,dv				slr 6/26
23	36520-14	L2536520-14,32,,dv				slr 6/26
24	36520-15	L2536520-15,32,,dv				slr 6/26
25	36520-16	L2536520-16,32,,dv				slr 6/26
26	36468-06	L2536468-06,32,,dv			**DV**	
					sv-csn	

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV106
Date: **06/25/25**
Run: **n**

Method
GC: ABNRVT(SIM)

Seq: **WG2083521**
ICAL: **22184**

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials

Dep.: GCMS
Inst: SV118
Date: **06/25/25**
Run: n

Method
GC: SIM RVT

Seq: WG2083522
ICAL: 21963

Vial	Data File	Sample	CCAL/Notes	Screen	Verified	initials
48	deg0625na	wg-1,32,,dftpp SV118 lot #11649				slr 6/26
49	ccv0625n	wg-3,32,,ICV 11275 (0618a)				slr 6/26
50	blk0625n	instrument blank				slr 6/26
						slr 6/26
1	079125-1	WG2079125-1,32,,dv	RX; PCP >RL			slr 6/26
2	079125-2	WG2079125-2,32,,dv	RX			slr 6/26
3	079125-3	WG2079125-3,32,,dv	RX			slr 6/26
4	079125-4	WG2079125-4,32,,dv	RX			slr 6/26
5	079125-5	WG2079125-5,32,,dv	RX			slr 6/26
6	36730-01	L2536730-01,32,,dv	RX			slr 6/26
7	36730-02	L2536730-02,32,,dv	RX			slr 6/26
8	36730-03	L2536730-03,32,,dv	RX			slr 6/26
9	36730-04	L2536730-04,32,,dv	RX			slr 6/26
10	083026-2	WG2083026-2,32,,dv				slr 6/26
11	083026-3	WG2083026-3,32,,dv				slr 6/26
12	083026-1	WG2083026-1,32,,dv				slr 6/26
13	36145-01	L2536145-01,32,,dv	RX; surr low			slr 6/26
14	081751-2	WG2081751-2,32,,dv				slr 6/26
15	081751-3	WG2081751-3,32,,dv				slr 6/26
16	081751-1	WG2081751-1,32,,dv				slr 6/26
17	36690-02	L2536690-02,32,,dv				
18	37090-01	L2537090-01,32,,dv				slr 6/26
19	37090-02	L2537090-02,32,,dv				slr 6/26
20	37090-03	L2537090-03,32,,dv				slr 6/26
21	36935-01	L2536935-01,32,,dv				
22	36935-02	L2536935-02,32,,dv				
23	36935-03	L2536935-03,32,,dv				
24	36247-03	L2536247-03,32,,dv				slr 6/26
25	36247-04	L2536247-04,32,,dv				slr 6/26
26	36247-05	L2536247-05,32,,dv				slr 6/26
27	36247-08	L2536247-08,32,,dv				slr 6/26
28	36247-09	L2536247-09,32,,dv				slr 6/26
29	36247-11	L2536247-11,32,,dv				slr 6/26
30	36247-14	L2536247-14,32,,RV,dv				slr 6/26
31	080673-6	WG2080673-6,32,,dv				slr 6/26
32	080673-7	WG2080673-7,32,,dv				slr 6/26
33	38013-01	L2538013-01,32,,dv			Sv-csn	slr 6/26
34	083372-2	WG2083372-2,32,,dv				slr 6/26
35	083372-3	WG2083372-3,32,,dv				slr 6/26
36	083372-1	WG2083372-1,32,,dv				slr 6/26
37	38671-13	L2538671-13,32,,dv				
38	36281-03	L2536281-03,32,,dv				slr 6/26
39	36281-04	L2536281-04,32,,dv				slr 6/26
40	36281-05	L2536281-05,32,,dv			DV	slr 6/26
					Sv-csn	

ORGANIC ELN REPORT

Workgroup: WG2078864

Prep Method: EPA 3510C
Solvent Type: DCM
Surrogate Type: ABN
Spike Type: ABN-SIM
Spike Verify by: ZCH
Lims Spikelot: 8270-RVT

Lot #: EK096
Lot #: 11605al,11/07/2025,3c,7,1
Lot #: 11463ad,07/31/2025 / 11607ah,

Additional Reagents/Stds

H2SO4	A052325
Na2SO4	241307
NaOH	10NNaOH052925

Conc.Method: Buchi
Solvent Type: DCM
Lot #: ek254

Additional Reagents/Stds

Cleanup 1

Cleanup Method 1:
Cleanup Method 2:
Solvent Type:
Lot #:

Additional Reagents/Stds

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2536247-01 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-02 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-03 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-04 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-05 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-06 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
L2536247-07 SAMP	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K

Reported: 26-JUN-25 12:57 PM

ORGANIC ELN REPORT

Workgroup: WG2078864

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2536247-08 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-09 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-10 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-11 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-12 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-13 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-14 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-15 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-16 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-17 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									

ORGANIC ELN REPORT

Workgroup: WG2078864

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol **ml**	Ph	Surr Amt **ml**	Spike Amt **ml**	Conc Date	Analyst	Final Vol **ml**	Conc Unit
L2536247-18 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
L2536247-20 SAMP	06/14/25 12:38	Zachary Helin	100	<2, >12	.1		06/14/25 14:15	Georgia Mckinstry	1	K
	SURROGATE: 11660ad,11/30/2025,2r,7,1									
WG2078864-1 BLANK	06/14/25 10:32	Zachary Helin	100	<2, >12	.1		06/14/25 11:32	Grace Tran	1	K
	WG2078863									
WG2078864-2 LCS	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K
WG2078864-3 LCSD	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K
WG2078864-4 MS	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K
WG2078864-5 MSD	06/14/25 10:32	Zachary Helin	100	<2, >12	.1	.1	06/14/25 11:32	Grace Tran	1	K

ATTACHMENT F

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
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BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO • SYRACUSE

Metals

Inorganic Data
(ICP Analysis)

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082032-1	**Date Collected**	: NA
Client ID	: WG2082032-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/26/25 13:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: JMF
Lab File ID	: WG2083657.csv	**Instrument ID**	: TRACE9
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082032-4	**Date Collected**	: 06/04/25 10:36
Client ID	: WG2082032-4 DUP	**Date Received**	: 06/09/25
Sample Location	:	**Date Analyzed**	: 06/26/25 13:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: JMF
Lab File ID	: WG2083657.csv	**Instrument ID**	: TRACE9
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Dissolved	11.1	0.100	0.035	
7439-95-4	Magnesium, Dissolved	2.10	0.100	0.015	
7440-23-5	Sodium, Dissolved	45.6	2.00	0.120	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082032-8	**Date Collected**	: 06/04/25 11:13
Client ID	: WG2082032-8 DUP	**Date Received**	: 06/09/25
Sample Location	:	**Date Analyzed**	: 06/26/25 14:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: JMF
Lab File ID	: WG2083657.csv	**Instrument ID**	: TRACE9
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Dissolved	6.13	0.100	0.035	
7439-95-4	Magnesium, Dissolved	1.44	0.100	0.015	
7440-23-5	Sodium, Dissolved	19.9	2.00	0.120	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 17:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	0.0075	0.0500	0.0071	J
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0230	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	32.4	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	7.05	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0033	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	0.0149	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.26	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.3	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: P. W. Grosser	Lab Number	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	Project Number	: BSD1504
Lab ID	: L2536247-02	Date Collected	: 06/10/25 12:50
Client ID	: MW-06B	Date Received	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	: 06/30/25 17:51
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DHL
Lab File ID	: WG2085078.pdf	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/22/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0430	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	22.4	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0074	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.0102	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.14	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0024	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	0.0242	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.22	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	11.8	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0128	0.0050	0.0021	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 18:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	0.0020	0.0050	0.0019	J
7440-39-3	Barium, Dissolved	0.0755	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	47.2	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0064	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	9.17	0.100	0.0153	
7439-96-5	Manganese, Dissolved	2.25	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	9.58	2.50	0.237	
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	9.84	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	0.0026	0.0100	0.0020	J
7440-66-6	Zinc, Dissolved	0.0113	0.0050	0.0021	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 18:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0397	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	36.5	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0024	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.0134	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.68	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0048	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	0.0158	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.72	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	13.7	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0047	0.0050	0.0021	J

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 18:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0235	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	14.3	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	0.0049	0.0200	0.0017	J
7440-50-8	Copper, Dissolved	0.0052	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.469	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.35	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0322	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	0.0062	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.24	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	14.7	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0220	0.0050	0.0021	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 18:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0404	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	16.8	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0081	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.90	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0023	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.08	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	14.0	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0163	0.0050	0.0021	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 18:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0389	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	12.4	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0076	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.08	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0020	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.04	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	12.6	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0138	0.0050	0.0021	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082032-1	**Date Collected**	: NA
Client ID	: WG2082032-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/30/25 17:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 20:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0231	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	32.5	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0096	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	7.02	0.100	0.0153	
7439-96-5	Manganese, Total	0.0034	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0168	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.30	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	10.1	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 20:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0431	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	21.8	0.100	0.0350	
7440-47-3	Chromium, Total	0.0024	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0480	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.03	0.100	0.0153	
7439-96-5	Manganese, Total	0.0029	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0269	0.0250	0.0024	
7440-09-7	Potassium, Total	1.25	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	11.2	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0023	0.0050	0.0021	J

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 20:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0778	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	48.2	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	9.23	0.100	0.0153	
7439-96-5	Manganese, Total	2.29	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	10.0	2.50	0.237	
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.76	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	0.0025	0.0100	0.0020	J
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 21:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0406	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	38.2	0.100	0.0350	
7440-47-3	Chromium, Total	0.0043	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0412	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.79	0.100	0.0153	
7439-96-5	Manganese, Total	0.0036	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0077	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.78	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	13.4	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 21:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0228	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	14.6	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	0.0053	0.0200	0.0017	J
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.568	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.47	0.100	0.0153	
7439-96-5	Manganese, Total	0.0309	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0066	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.28	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	14.5	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0141	0.0050	0.0021	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 21:25
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0416	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	17.2	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.05	0.100	0.0153	
7439-96-5	Manganese, Total	0.0022	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.20	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	14.4	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 21:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0406	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	13.0	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.15	0.100	0.0153	
7439-96-5	Manganese, Total	0.0023	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.16	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	12.9	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 21:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0523	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	32.4	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.190	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.93	0.100	0.0153	
7439-96-5	Manganese, Total	0.0745	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.68	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.10	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 22:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0421	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0667	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	18.5	0.100	0.0350	
7440-47-3	Chromium, Total	0.0027	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0627	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	8.09	0.100	0.0153	
7439-96-5	Manganese, Total	0.0038	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.21	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	12.2	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 22:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0120	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	23.4	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0181	0.0500	0.0090	J
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.99	0.100	0.0153	
7439-96-5	Manganese, Total	0.0037	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0024	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.40	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	10.2	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 22:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0505	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0022	0.0100	0.0021	J
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	8.33	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	1.16	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.34	0.100	0.0153	
7439-96-5	Manganese, Total	0.0322	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.04	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	5.98	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 21:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0368	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	16.6	0.100	0.0350	
7440-47-3	Chromium, Total	0.0032	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0610	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	3.42	0.100	0.0153	
7439-96-5	Manganese, Total	0.0070	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.42	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	13.1	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 22:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.230	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	0.0022	0.0050	0.0019	J
7440-39-3	Barium, Total	0.0228	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	24.9	0.100	0.0350	
7440-47-3	Chromium, Total	0.0081	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.412	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.78	0.100	0.0153	
7439-96-5	Manganese, Total	0.0242	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0035	0.0250	0.0024	J
7440-09-7	Potassium, Total	2.01	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.51	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 23:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0448	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	25.6	0.100	0.0350	
7440-47-3	Chromium, Total	0.0055	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0740	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.89	0.100	0.0153	
7439-96-5	Manganese, Total	0.0054	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0034	0.0250	0.0024	J
7440-09-7	Potassium, Total	0.977	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.14	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 23:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.122	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0244	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	29.3	0.100	0.0350	
7440-47-3	Chromium, Total	0.0044	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.233	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	7.47	0.100	0.0153	
7439-96-5	Manganese, Total	0.0591	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.62	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.63	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 23:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0324	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0232	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	25.6	0.100	0.0350	
7440-47-3	Chromium, Total	0.0045	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0934	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.05	0.100	0.0153	
7439-96-5	Manganese, Total	0.0056	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0058	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.61	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.93	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 23:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0154	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	24.9	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.150	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.07	0.100	0.0153	
7439-96-5	Manganese, Total	0.0063	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	2.10	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	8.80	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 23:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.965	0.100	0.0318	
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0296	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	22.0	0.100	0.0350	
7440-47-3	Chromium, Total	0.148	0.0100	0.0021	
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	0.0022	0.0100	0.0022	J
7439-89-6	Iron, Total	2.13	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.09	0.100	0.0153	
7439-96-5	Manganese, Total	0.0733	0.0100	0.0016	
7440-02-0	Nickel, Total	0.0209	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.16	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	10.0	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	0.0030	0.0100	0.0020	J
7440-66-6	Zinc, Total	0.0034	0.0050	0.0021	J

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/30/25 23:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	0.0459	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0237	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	25.9	0.100	0.0350	
7440-47-3	Chromium, Total	0.0060	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.119	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.06	0.100	0.0153	
7439-96-5	Manganese, Total	0.0063	0.0100	0.0016	J
7440-02-0	Nickel, Total	0.0064	0.0250	0.0024	J
7440-09-7	Potassium, Total	1.63	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.03	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082283-1	**Date Collected**	: NA
Client ID	: WG2082283-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/30/25 19:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082283-4	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/30/25 20:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Total	ND	0.100	0.032	U
7440-36-0	Antimony, Total	0.0110	0.0500	0.007	J
7440-38-2	Arsenic, Total	ND	0.0050	0.002	U
7440-39-3	Barium, Total	0.0228	0.0100	0.002	
7440-41-7	Beryllium, Total	ND	0.0050	0.001	U
7440-43-9	Cadmium, Total	ND	0.0050	0.001	U
7440-70-2	Calcium, Total	32.0	0.100	0.035	
7440-47-3	Chromium, Total	ND	0.0100	0.002	U
7440-48-4	Cobalt, Total	ND	0.0200	0.002	U
7440-50-8	Copper, Total	ND	0.0100	0.002	U
7439-89-6	Iron, Total	0.0099	0.0500	0.009	J
7439-92-1	Lead, Total	ND	0.0100	0.003	U
7439-95-4	Magnesium, Total	6.91	0.100	0.015	
7439-96-5	Manganese, Total	0.0034	0.0100	0.002	J
7440-02-0	Nickel, Total	0.0165	0.0250	0.002	J
7440-09-7	Potassium, Total	1.29	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.004	U
7440-22-4	Silver, Total	ND	0.0070	0.003	U
7440-23-5	Sodium, Total	9.85	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.003	U
7440-62-2	Vanadium, Total	ND	0.0100	0.002	U
7440-66-6	Zinc, Total	ND	0.0050	0.002	U

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082283-6	**Date Collected**	:
Client ID	: Serial Dilution	**Date Received**	:
Sample Location	:	**Date Analyzed**	: 06/30/25 20:46
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Total	32.6	0.500	0.175	
7439-95-4	Magnesium, Total	7.14	0.500	0.077	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082283-10	**Date Collected**	:
Client ID	: Serial Dilution	**Date Received**	:
Sample Location	:	**Date Analyzed**	: 06/30/25 22:15
Sample Matrix	: WATER	**Dilution Factor**	: 5
Analytical Method	: 19,200.7	**Analyst**	: DHL
Lab File ID	: WG2085078.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7440-70-2	Calcium, Total	17.6	0.500	0.175	
7439-95-4	Magnesium, Total	3.50	0.500	0.077	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 18:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	33.1	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0558	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.10	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0786	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.66	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	9.20	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

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METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 16:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	0.0117	0.0500	0.0071	J
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0676	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	18.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0052	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.0099	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	8.26	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.21	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	13.4	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0074	0.0050	0.0021	

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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 16:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0127	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	23.7	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0091	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.26	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0020	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	0.0048	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	1.38	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	11.4	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0153	0.0050	0.0021	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 16:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0026	0.0100	0.0021	J
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	8.09	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0067	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.932	0.0500	0.0090	
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	3.32	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0321	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.983	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	6.48	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0155	0.0050	0.0021	

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METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 16:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0387	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	16.6	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0102	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	3.50	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.36	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	14.6	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
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Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 17:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0221	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	25.7	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0103	0.0100	0.0022	
7439-89-6	Iron, Dissolved	0.0104	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.95	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0017	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.02	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	11.8	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0184	0.0050	0.0021	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 17:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0464	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	25.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0028	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.0182	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.22	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0031	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.971	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.3	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0036	0.0050	0.0021	J

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 17:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0242	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	29.5	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0476	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	7.76	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0555	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.57	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.8	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 17:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0230	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	25.1	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0156	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.20	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0031	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.54	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	9.75	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0024	0.0050	0.0021	J

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 19:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0167	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	26.2	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0050	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.42	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0060	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	2.12	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.3	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0077	0.0050	0.0021	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 19:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0202	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	21.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0071	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.0186	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.23	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0129	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	0.0159	0.0250	0.0024	J
7440-09-7	Potassium, Dissolved	0.983	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	11.2	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0154	0.0050	0.0021	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/01/25 19:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0238	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	26.0	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	0.0081	0.0100	0.0022	J
7439-89-6	Iron, Dissolved	0.0157	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.38	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0032	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.59	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	10.2	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0106	0.0050	0.0021	

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082734-1	**Date Collected**	: NA
Client ID	: WG2082734-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/01/25 15:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082734-8	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09BDUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 07/01/25 18:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 19,200.7	**Analyst**	: DMC
Lab File ID	: WG2085564.pdf	**Instrument ID**	: TRACE5
Sample Amount	: 50ml	**%Solids**	: N/A
Digestion Method	: EPA 3005A	**Date Digested**	: 06/24/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	0.0112	0.0500	0.007	J
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.002	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.002	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	31.4	0.100	0.035	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.002	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	0.0524	0.0500	0.009	
7439-92-1	Lead, Dissolved	ND	0.0100	0.003	U
7439-95-4	Magnesium, Dissolved	3.99	0.100	0.015	
7439-96-5	Manganese, Dissolved	0.0754	0.0100	0.002	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	1.54	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	8.80	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.002	U

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R1981480-1									
Date Analyzed	:	06/26/25 06:42									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum		0.500	0.4770	95							
Antimony		0.500	0.4850	97							
Arsenic		0.500	0.4740	95							
Barium		0.500	0.5030	101							
Beryllium		0.500	0.5040	101							
Cadmium		0.500	0.4780	96							
Calcium		0.500	0.4840	97							
Chromium		0.500	0.5270	105							
Cobalt		0.500	0.5040	101							
Copper		0.500	0.4910	98							
Iron		0.500	0.4990	100							
Lead		0.500	0.5090	102							
Magnesium		0.500	0.5190	104							
Manganese		0.500	0.4980	100							
Nickel		0.500	0.5350	107							
Potassium		5.00	5.1400	103							
Selenium		0.500	0.4840	97							
Silver		0.500	0.4900	98							
Sodium		10.0	10.1000	101							
Thallium		0.500	0.5130	103							
Vanadium		0.500	0.4860	97							
Zinc		0.500	0.5260	105							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1981480-3			R1981480-6			R1981480-8		R1981480-10	
Date Analyzed:	06/26/25 06:48			06/26/25 08:15			06/26/25 09:16		06/26/25 09:41	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4680	94	0.5000	0.472	94	0.467	93	0.463	93
Antimony	0.500	0.4800	96	0.5000	0.481	96	0.493	99	0.474	95
Arsenic	0.500	0.4770	95	0.5000	0.479	96	0.478	96	0.474	95
Barium	0.500	0.4980	100	0.5000	0.501	100	0.498	100	0.496	99
Beryllium	0.500	0.5040	101	0.5000	0.504	101	0.500	100	0.497	99
Cadmium	0.500	0.4810	96	0.5000	0.478	96	0.475	95	0.474	95
Calcium	0.500	0.4850	97	0.5000	0.489	98	0.476	95	0.478	96
Chromium	0.500	0.5270	105	0.5000	0.526	105	0.520	104	0.521	104
Cobalt	0.500	0.5040	101	0.5000	0.501	100	0.494	99	0.494	99
Copper	0.500	0.4870	97	0.5000	0.487	97	0.480	96	0.478	96
Iron	0.500	0.4990	100	0.5000	0.496	99	0.490	98	0.490	98
Lead	0.500	0.5100	102	0.5000	0.513	103	0.505	101	0.506	101
Magnesium	0.500	0.5200	104	0.5000	0.514	103	0.511	102	0.509	102
Manganese	0.500	0.4980	100	0.5000	0.498	100	0.487	97	0.489	98
Nickel	0.500	0.5380	108	0.5000	0.536	107	0.531	106	0.531	106
Potassium	5.00	5.0700	101	5.0000	5.10	102	5.05	101	5.02	100
Selenium	0.500	0.4840	97	0.5000	0.485	97	0.482	96	0.481	96
Silver	0.500	0.4810	96	0.5000	0.484	97	0.478	96	0.476	95
Sodium	10.0	9.9400	99	10.0000	10.1	101	9.97	100	9.96	100
Thallium	0.500	0.5090	102	0.5000	0.511	102	0.505	101	0.502	100
Vanadium	0.500	0.4830	97	0.5000	0.482	96	0.478	96	0.477	95
Zinc	0.500	0.5300	106	0.5000	0.530	106	0.525	105	0.525	105

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1981480-12			R1981480-14		R1981480-16	
Date Analyzed :				06/26/25 10:38			06/26/25 10:56		06/26/25 11:46	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.465	93	0.460	92	0.458	92
Antimony				0.5000	0.467	93	0.485	97	0.464	93
Arsenic				0.5000	0.476	95	0.477	95	0.473	95
Barium				0.5000	0.492	98	0.495	99	0.491	98
Beryllium				0.5000	0.497	99	0.496	99	0.494	99
Cadmium				0.5000	0.473	95	0.470	94	0.469	94
Calcium				0.5000	0.477	95	0.475	95	0.476	95
Chromium				0.5000	0.512	102	0.515	103	0.513	103
Cobalt				0.5000	0.490	98	0.489	98	0.489	98
Copper				0.5000	0.473	95	0.473	95	0.471	94
Iron				0.5000	0.492	98	0.489	98	0.488	98
Lead				0.5000	0.505	101	0.504	101	0.500	100
Magnesium				0.5000	0.502	100	0.501	100	0.503	101
Manganese				0.5000	0.484	97	0.482	96	0.486	97
Nickel				0.5000	0.520	104	0.524	105	0.524	105
Potassium				5.0000	5.02	100	5.02	100	4.93	99
Selenium				0.5000	0.478	96	0.481	96	0.477	95
Silver				0.5000	0.468	94	0.471	94	0.471	94
Sodium				10.0000	9.92	99	9.96	100	9.74	97
Thallium				0.5000	0.504	101	0.504	101	0.499	100
Vanadium				0.5000	0.474	95	0.473	95	0.474	95
Zinc				0.5000	0.517	103	0.517	103	0.517	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1981480-18			R1981480-20		R1981480-22	
Date Analyzed :				06/26/25 12:32			06/26/25 13:33		06/26/25 14:15	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.462	92	0.457	91	0.455	91
Antimony				0.5000	0.469	94	0.483	97	0.486	97
Arsenic				0.5000	0.475	95	0.471	94	0.474	95
Barium				0.5000	0.491	98	0.490	98	0.490	98
Beryllium				0.5000	0.494	99	0.491	98	0.491	98
Cadmium				0.5000	0.468	94	0.469	94	0.469	94
Calcium				0.5000	0.478	96	0.471	94	0.473	95
Chromium				0.5000	0.514	103	0.511	102	0.510	102
Cobalt				0.5000	0.487	97	0.487	97	0.488	98
Copper				0.5000	0.473	95	0.470	94	0.469	94
Iron				0.5000	0.488	98	0.483	97	0.486	97
Lead				0.5000	0.503	101	0.498	100	0.500	100
Magnesium				0.5000	0.501	100	0.500	100	0.496	99
Manganese				0.5000	0.486	97	0.481	96	0.482	96
Nickel				0.5000	0.525	105	0.522	104	0.521	104
Potassium				5.0000	4.94	99	4.99	100	4.95	99
Selenium				0.5000	0.480	96	0.475	95	0.478	96
Silver				0.5000	0.472	94	0.470	94	0.468	94
Sodium				10.0000	9.88	99	9.77	98	9.69	97
Thallium				0.5000	0.500	100	0.499	100	0.499	100
Vanadium				0.5000	0.474	95	0.472	94	0.473	95
Zinc				0.5000	0.520	104	0.515	103	0.514	103

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1982839-1									
Date Analyzed :	06/30/25 05:55									
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4750	95							
Antimony	0.500	0.4980	100							
Arsenic	0.500	0.4780	96							
Barium	0.500	0.4860	97							
Beryllium	0.500	0.4970	99							
Cadmium	0.500	0.4930	99							
Calcium	0.500	0.5030	101							
Chromium	0.500	0.5050	101							
Cobalt	0.500	0.5000	100							
Copper	0.500	0.5010	100							
Iron	0.500	0.5070	101							
Lead	0.500	0.5040	101							
Magnesium	0.500	0.5090	102							
Manganese	0.500	0.5040	101							
Nickel	0.500	0.5030	101							
Potassium	5.00	5.0300	101							
Selenium	0.500	0.4870	97							
Silver	0.500	0.5040	101							
Sodium	10.0	9.7300	97							
Thallium	0.500	0.5100	102							
Vanadium	0.500	0.5040	101							
Zinc	0.500	0.4980	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1982839-3			R1982839-6			R1982839-8		R1982839-10	
Date Analyzed:	06/30/25 06:08			06/30/25 07:29			06/30/25 08:50		06/30/25 10:02	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4840	97	0.5000	0.472	94	0.487	97	0.511	102
Antimony	0.500	0.4940	99	0.5000	0.503	101	0.505	101	0.510	102
Arsenic	0.500	0.4740	95	0.5000	0.484	97	0.487	97	0.486	97
Barium	0.500	0.4880	98	0.5000	0.482	96	0.498	100	0.506	101
Beryllium	0.500	0.4910	98	0.5000	0.498	100	0.517	103	0.518	104
Cadmium	0.500	0.4900	98	0.5000	0.494	99	0.492	98	0.495	99
Calcium	0.500	0.5000	100	0.5000	0.496	99	0.513	103	0.525	105
Chromium	0.500	0.5030	101	0.5000	0.508	102	0.505	101	0.509	102
Cobalt	0.500	0.4970	99	0.5000	0.501	100	0.499	100	0.504	101
Copper	0.500	0.4980	100	0.5000	0.504	101	0.505	101	0.507	101
Iron	0.500	0.5010	100	0.5000	0.495	99	0.512	102	0.568	114
Lead	0.500	0.5010	100	0.5000	0.512	102	0.516	103	0.515	103
Magnesium	0.500	0.5090	102	0.5000	0.523	105	0.526	105	0.530	106
Manganese	0.500	0.5000	100	0.5000	0.500	100	0.516	103	0.524	105
Nickel	0.500	0.5010	100	0.5000	0.510	102	0.514	103	0.513	103
Potassium	5.00	5.0500	101	5.0000	5.05	101	5.19	104	5.29	106
Selenium	0.500	0.4820	96	0.5000	0.497	99	0.500	100	0.497	99
Silver	0.500	0.5100	102	0.5000	0.513	103	0.514	103	0.523	105
Sodium	10.0	9.8100	98	10.0000	9.88	99	10.3	103	10.4	104
Thallium	0.500	0.5070	101	0.5000	0.524	105	0.534	107	0.527	105
Vanadium	0.500	0.5000	100	0.5000	0.510	102	0.511	102	0.511	102
Zinc	0.500	0.4950	99	0.5000	0.501	100	0.501	100	0.504	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-12			R1982839-14		R1982839-16	
Date Analyzed :				06/30/25 10:25			06/30/25 12:39		06/30/25 13:26	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.472	94	0.470	94	0.490	98
Antimony				0.5000	0.510	102	0.519	104	0.524	105
Arsenic				0.5000	0.483	97	0.485	97	0.486	97
Barium				0.5000	0.483	97	0.492	98	0.512	102
Beryllium				0.5000	0.497	99	0.495	99	0.510	102
Cadmium				0.5000	0.494	99	0.501	100	0.496	99
Calcium				0.5000	0.491	98	0.493	99	0.512	102
Chromium				0.5000	0.508	102	0.512	102	0.513	103
Cobalt				0.5000	0.502	100	0.510	102	0.511	102
Copper				0.5000	0.507	101	0.512	102	0.522	104
Iron				0.5000	0.493	99	0.503	101	0.532	106
Lead				0.5000	0.513	103	0.510	102	0.508	102
Magnesium				0.5000	0.527	105	0.523	105	0.522	104
Manganese				0.5000	0.501	100	0.507	101	0.523	105
Nickel				0.5000	0.512	102	0.511	102	0.509	102
Potassium				5.0000	5.10	102	5.38	108	5.30	106
Selenium				0.5000	0.494	99	0.491	98	0.493	99
Silver				0.5000	0.526	105	0.534	107	0.545	109
Sodium				10.0000	10.1	101	9.99	100	10.4	104
Thallium				0.5000	0.528	106	0.516	103	0.515	103
Vanadium				0.5000	0.511	102	0.510	102	0.510	102
Zinc				0.5000	0.502	100	0.507	101	0.499	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-18			R1982839-20		R1982839-22	
Date Analyzed :				06/30/25 15:39			06/30/25 16:47		06/30/25 18:10	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.489	98	0.485	97	0.489	98
Antimony				0.5000	0.520	104	0.532	106	0.538	108
Arsenic				0.5000	0.488	98	0.484	97	0.484	97
Barium				0.5000	0.509	102	0.506	101	0.508	102
Beryllium				0.5000	0.507	101	0.498	100	0.503	101
Cadmium				0.5000	0.507	101	0.506	101	0.509	102
Calcium				0.5000	0.510	102	0.504	101	0.506	101
Chromium				0.5000	0.521	104	0.519	104	0.521	104
Cobalt				0.5000	0.516	103	0.517	103	0.517	103
Copper				0.5000	0.516	103	0.517	103	0.515	103
Iron				0.5000	0.522	104	0.520	104	0.517	103
Lead				0.5000	0.512	102	0.506	101	0.507	101
Magnesium				0.5000	0.525	105	0.521	104	0.520	104
Manganese				0.5000	0.526	105	0.517	103	0.519	104
Nickel				0.5000	0.512	102	0.508	102	0.510	102
Potassium				5.0000	5.17	103	5.17	103	5.14	103
Selenium				0.5000	0.489	98	0.484	97	0.485	97
Silver				0.5000	0.544	109	0.546	109	0.539	108
Sodium				10.0000	10.3	103	10.2	102	10.3	103
Thallium				0.5000	0.509	102	0.500	100	0.500	100
Vanadium				0.5000	0.514	103	0.512	102	0.514	103
Zinc				0.5000	0.512	102	0.509	102	0.511	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-24						
Date Analyzed:				06/30/25 19:05						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.492	98				
Antimony				0.5000	0.518	104				
Arsenic				0.5000	0.483	97				
Barium				0.5000	0.510	102				
Beryllium				0.5000	0.498	100				
Cadmium				0.5000	0.509	102				
Calcium				0.5000	0.506	101				
Chromium				0.5000	0.521	104				
Cobalt				0.5000	0.518	104				
Copper				0.5000	0.517	103				
Iron				0.5000	0.517	103				
Lead				0.5000	0.506	101				
Magnesium				0.5000	0.517	103				
Manganese				0.5000	0.515	103				
Nickel				0.5000	0.509	102				
Potassium				5.0000	5.27	105				
Selenium				0.5000	0.482	96				
Silver				0.5000	0.535	107				
Sodium				10.0000	10.1	101				
Thallium				0.5000	0.496	99				
Vanadium				0.5000	0.512	102				
Zinc				0.5000	0.510	102				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1982839-1									
Date Analyzed :	06/30/25 05:55									
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4750	95							
Antimony	0.500	0.4980	100							
Arsenic	0.500	0.4780	96							
Barium	0.500	0.4860	97							
Beryllium	0.500	0.4970	99							
Cadmium	0.500	0.4930	99							
Calcium	0.500	0.5030	101							
Chromium	0.500	0.5050	101							
Cobalt	0.500	0.5000	100							
Copper	0.500	0.5010	100							
Iron	0.500	0.5070	101							
Lead	0.500	0.5040	101							
Magnesium	0.500	0.5090	102							
Manganese	0.500	0.5040	101							
Nickel	0.500	0.5030	101							
Potassium	5.00	5.0300	101							
Selenium	0.500	0.4870	97							
Silver	0.500	0.5040	101							
Sodium	10.0	9.7300	97							
Thallium	0.500	0.5100	102							
Vanadium	0.500	0.5040	101							
Zinc	0.500	0.4980	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1982839-3			R1982839-6			R1982839-8		R1982839-10	
Date Analyzed:	06/30/25 06:08			06/30/25 07:29			06/30/25 08:50		06/30/25 10:02	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4840	97	0.5000	0.472	94	0.487	97	0.511	102
Antimony	0.500	0.4940	99	0.5000	0.503	101	0.505	101	0.510	102
Arsenic	0.500	0.4740	95	0.5000	0.484	97	0.487	97	0.486	97
Barium	0.500	0.4880	98	0.5000	0.482	96	0.498	100	0.506	101
Beryllium	0.500	0.4910	98	0.5000	0.498	100	0.517	103	0.518	104
Cadmium	0.500	0.4900	98	0.5000	0.494	99	0.492	98	0.495	99
Calcium	0.500	0.5000	100	0.5000	0.496	99	0.513	103	0.525	105
Chromium	0.500	0.5030	101	0.5000	0.508	102	0.505	101	0.509	102
Cobalt	0.500	0.4970	99	0.5000	0.501	100	0.499	100	0.504	101
Copper	0.500	0.4980	100	0.5000	0.504	101	0.505	101	0.507	101
Iron	0.500	0.5010	100	0.5000	0.495	99	0.512	102	0.568	114
Lead	0.500	0.5010	100	0.5000	0.512	102	0.516	103	0.515	103
Magnesium	0.500	0.5090	102	0.5000	0.523	105	0.526	105	0.530	106
Manganese	0.500	0.5000	100	0.5000	0.500	100	0.516	103	0.524	105
Nickel	0.500	0.5010	100	0.5000	0.510	102	0.514	103	0.513	103
Potassium	5.00	5.0500	101	5.0000	5.05	101	5.19	104	5.29	106
Selenium	0.500	0.4820	96	0.5000	0.497	99	0.500	100	0.497	99
Silver	0.500	0.5100	102	0.5000	0.513	103	0.514	103	0.523	105
Sodium	10.0	9.8100	98	10.0000	9.88	99	10.3	103	10.4	104
Thallium	0.500	0.5070	101	0.5000	0.524	105	0.534	107	0.527	105
Vanadium	0.500	0.5000	100	0.5000	0.510	102	0.511	102	0.511	102
Zinc	0.500	0.4950	99	0.5000	0.501	100	0.501	100	0.504	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-12			R1982839-14		R1982839-16	
Date Analyzed :				06/30/25 10:25			06/30/25 12:39		06/30/25 13:26	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.472	94	0.470	94	0.490	98
Antimony				0.5000	0.510	102	0.519	104	0.524	105
Arsenic				0.5000	0.483	97	0.485	97	0.486	97
Barium				0.5000	0.483	97	0.492	98	0.512	102
Beryllium				0.5000	0.497	99	0.495	99	0.510	102
Cadmium				0.5000	0.494	99	0.501	100	0.496	99
Calcium				0.5000	0.491	98	0.493	99	0.512	102
Chromium				0.5000	0.508	102	0.512	102	0.513	103
Cobalt				0.5000	0.502	100	0.510	102	0.511	102
Copper				0.5000	0.507	101	0.512	102	0.522	104
Iron				0.5000	0.493	99	0.503	101	0.532	106
Lead				0.5000	0.513	103	0.510	102	0.508	102
Magnesium				0.5000	0.527	105	0.523	105	0.522	104
Manganese				0.5000	0.501	100	0.507	101	0.523	105
Nickel				0.5000	0.512	102	0.511	102	0.509	102
Potassium				5.0000	5.10	102	5.38	108	5.30	106
Selenium				0.5000	0.494	99	0.491	98	0.493	99
Silver				0.5000	0.526	105	0.534	107	0.545	109
Sodium				10.0000	10.1	101	9.99	100	10.4	104
Thallium				0.5000	0.528	106	0.516	103	0.515	103
Vanadium				0.5000	0.511	102	0.510	102	0.510	102
Zinc				0.5000	0.502	100	0.507	101	0.499	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-18			R1982839-20		R1982839-22	
Date Analyzed :				06/30/25 15:39			06/30/25 16:47		06/30/25 18:10	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.489	98	0.485	97	0.489	98
Antimony				0.5000	0.520	104	0.532	106	0.538	108
Arsenic				0.5000	0.488	98	0.484	97	0.484	97
Barium				0.5000	0.509	102	0.506	101	0.508	102
Beryllium				0.5000	0.507	101	0.498	100	0.503	101
Cadmium				0.5000	0.507	101	0.506	101	0.509	102
Calcium				0.5000	0.510	102	0.504	101	0.506	101
Chromium				0.5000	0.521	104	0.519	104	0.521	104
Cobalt				0.5000	0.516	103	0.517	103	0.517	103
Copper				0.5000	0.516	103	0.517	103	0.515	103
Iron				0.5000	0.522	104	0.520	104	0.517	103
Lead				0.5000	0.512	102	0.506	101	0.507	101
Magnesium				0.5000	0.525	105	0.521	104	0.520	104
Manganese				0.5000	0.526	105	0.517	103	0.519	104
Nickel				0.5000	0.512	102	0.508	102	0.510	102
Potassium				5.0000	5.17	103	5.17	103	5.14	103
Selenium				0.5000	0.489	98	0.484	97	0.485	97
Silver				0.5000	0.544	109	0.546	109	0.539	108
Sodium				10.0000	10.3	103	10.2	102	10.3	103
Thallium				0.5000	0.509	102	0.500	100	0.500	100
Vanadium				0.5000	0.514	103	0.512	102	0.514	103
Zinc				0.5000	0.512	102	0.509	102	0.511	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-24			R1982839-26		R1982839-28	
Date Analyzed :				06/30/25 19:05			06/30/25 20:53		06/30/25 22:21	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.492	98	0.480	96	0.485	97
Antimony				0.5000	0.518	104	0.530	106	0.532	106
Arsenic				0.5000	0.483	97	0.481	96	0.480	96
Barium				0.5000	0.510	102	0.500	100	0.503	101
Beryllium				0.5000	0.498	100	0.486	97	0.485	97
Cadmium				0.5000	0.509	102	0.510	102	0.510	102
Calcium				0.5000	0.506	101	0.503	101	0.509	102
Chromium				0.5000	0.521	104	0.522	104	0.523	105
Cobalt				0.5000	0.518	104	0.519	104	0.518	104
Copper				0.5000	0.517	103	0.517	103	0.517	103
Iron				0.5000	0.517	103	0.508	102	0.506	101
Lead				0.5000	0.506	101	0.504	101	0.504	101
Magnesium				0.5000	0.517	103	0.513	103	0.511	102
Manganese				0.5000	0.515	103	0.505	101	0.501	100
Nickel				0.5000	0.509	102	0.506	101	0.506	101
Potassium				5.0000	5.27	105	5.22	104	5.34	107
Selenium				0.5000	0.482	96	0.479	96	0.482	96
Silver				0.5000	0.535	107	0.532	106	0.523	105
Sodium				10.0000	10.1	101	9.90	99	9.76	98
Thallium				0.5000	0.496	99	0.489	98	0.490	98
Vanadium				0.5000	0.512	102	0.510	102	0.511	102
Zinc				0.5000	0.510	102	0.510	102	0.508	102

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1982839-30						
Date Analyzed:				06/30/25 23:43						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.459	92				
Antimony				0.5000	0.508	102				
Arsenic				0.5000	0.474	95				
Barium				0.5000	0.475	95				
Beryllium				0.5000	0.457	91				
Cadmium				0.5000	0.506	101				
Calcium				0.5000	0.476	95				
Chromium				0.5000	0.518	104				
Cobalt				0.5000	0.514	103				
Copper				0.5000	0.511	102				
Iron				0.5000	0.478	96				
Lead				0.5000	0.498	100				
Magnesium				0.5000	0.501	100				
Manganese				0.5000	0.474	95				
Nickel				0.5000	0.500	100				
Potassium				5.0000	4.98	100				
Selenium				0.5000	0.474	95				
Silver				0.5000	0.516	103				
Sodium				10.0000	9.26	93				
Thallium				0.5000	0.483	97				
Vanadium				0.5000	0.504	101				
Zinc				0.5000	0.503	101				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R1983251-1									
Date Analyzed	:	07/01/25 06:07									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum		0.500	0.5030	101							
Antimony		0.500	0.5000	100							
Arsenic		0.500	0.4750	95							
Barium		0.500	0.5020	100							
Beryllium		0.500	0.5110	102							
Cadmium		0.500	0.4950	99							
Calcium		0.500	0.5150	103							
Chromium		0.500	0.5100	102							
Cobalt		0.500	0.5010	100							
Copper		0.500	0.5050	101							
Iron		0.500	0.5240	105							
Lead		0.500	0.5050	101							
Magnesium		0.500	0.5130	103							
Manganese		0.500	0.5200	104							
Nickel		0.500	0.5050	101							
Potassium		5.00	5.2000	104							
Selenium		0.500	0.4860	97							
Silver		0.500	0.5100	102							
Sodium		10.0	10.0000	100							
Thallium		0.500	0.5110	102							
Vanadium		0.500	0.5080	102							
Zinc		0.500	0.5010	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1983251-3			R1983251-6			R1983251-8		R1983251-10	
Date Analyzed :	07/01/25 06:19			07/01/25 08:28			07/01/25 09:25		07/01/25 11:56	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.5070	101	0.5000	0.507	101	0.497	99	0.498	100
Antimony	0.500	0.4970	99	0.5000	0.507	101	0.520	104	0.526	105
Arsenic	0.500	0.4740	95	0.5000	0.488	98	0.480	96	0.483	97
Barium	0.500	0.5110	102	0.5000	0.511	102	0.504	101	0.506	101
Beryllium	0.500	0.5160	103	0.5000	0.535	107	0.519	104	0.518	104
Cadmium	0.500	0.4900	98	0.5000	0.487	97	0.490	98	0.492	98
Calcium	0.500	0.5240	105	0.5000	0.523	105	0.526	105	0.512	102
Chromium	0.500	0.5060	101	0.5000	0.501	100	0.506	101	0.506	101
Cobalt	0.500	0.4970	99	0.5000	0.496	99	0.501	100	0.502	100
Copper	0.500	0.5040	101	0.5000	0.506	101	0.510	102	0.510	102
Iron	0.500	0.5210	104	0.5000	0.491	98	0.502	100	0.487	97
Lead	0.500	0.5020	100	0.5000	0.518	104	0.508	102	0.510	102
Magnesium	0.500	0.5140	103	0.5000	0.531	106	0.527	105	0.525	105
Manganese	0.500	0.5240	105	0.5000	0.529	106	0.521	104	0.524	105
Nickel	0.500	0.5020	100	0.5000	0.515	103	0.506	101	0.510	102
Potassium	5.00	5.3200	106	5.0000	5.38	108	5.41	108	5.42	108
Selenium	0.500	0.4860	97	0.5000	0.510	102	0.495	99	0.495	99
Silver	0.500	0.5180	104	0.5000	0.519	104	0.526	105	0.533	107
Sodium	10.0	10.3000	103	10.0000	10.7	107	10.4	104	10.5	105
Thallium	0.500	0.5120	102	0.5000	0.545	109	0.519	104	0.523	105
Vanadium	0.500	0.5070	101	0.5000	0.514	103	0.512	102	0.511	102
Zinc	0.500	0.4970	99	0.5000	0.499	100	0.497	99	0.501	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1983251-12			R1983251-14		R1983251-16	
Date Analyzed :				07/01/25 13:15			07/01/25 14:25		07/01/25 15:34	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.495	99	0.510	102	0.507	101
Antimony				0.5000	0.525	105	0.531	106	0.514	103
Arsenic				0.5000	0.482	96	0.483	97	0.484	97
Barium				0.5000	0.499	100	0.517	103	0.514	103
Beryllium				0.5000	0.510	102	0.522	104	0.518	104
Cadmium				0.5000	0.488	98	0.490	98	0.490	98
Calcium				0.5000	0.498	100	0.512	102	0.509	102
Chromium				0.5000	0.502	100	0.502	100	0.506	101
Cobalt				0.5000	0.499	100	0.502	100	0.503	101
Copper				0.5000	0.507	101	0.510	102	0.510	102
Iron				0.5000	0.472	94	0.484	97	0.477	95
Lead				0.5000	0.507	101	0.506	101	0.506	101
Magnesium				0.5000	0.523	105	0.521	104	0.524	105
Manganese				0.5000	0.514	103	0.530	106	0.527	105
Nickel				0.5000	0.507	101	0.506	101	0.507	101
Potassium				5.0000	5.36	107	5.13	103	5.10	102
Selenium				0.5000	0.492	98	0.492	98	0.490	98
Silver				0.5000	0.532	106	0.543	109	0.545	109
Sodium				10.0000	10.4	104	10.7	107	10.7	107
Thallium				0.5000	0.524	105	0.515	103	0.513	103
Vanadium				0.5000	0.508	102	0.508	102	0.509	102
Zinc				0.5000	0.497	99	0.498	100	0.499	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1983251-18			R1983251-20		R1983251-22	
Date Analyzed :				07/01/25 17:07			07/01/25 18:32		07/01/25 19:49	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum				0.5000	0.516	103	0.483	97	0.520	104
Antimony				0.5000	0.536	107	0.520	104	0.515	103
Arsenic				0.5000	0.484	97	0.483	97	0.484	97
Barium				0.5000	0.528	106	0.491	98	0.533	107
Beryllium				0.5000	0.527	105	0.495	99	0.540	108
Cadmium				0.5000	0.491	98	0.489	98	0.490	98
Calcium				0.5000	0.519	104	0.481	96	0.525	105
Chromium				0.5000	0.505	101	0.507	101	0.506	101
Cobalt				0.5000	0.505	101	0.503	101	0.502	100
Copper				0.5000	0.512	102	0.513	103	0.512	102
Iron				0.5000	0.488	98	0.449	90	0.490	98
Lead				0.5000	0.505	101	0.504	101	0.509	102
Magnesium				0.5000	0.520	104	0.522	104	0.530	106
Manganese				0.5000	0.538	108	0.453	91	0.543	109
Nickel				0.5000	0.505	101	0.505	101	0.509	102
Potassium				5.0000	5.19	104	4.83	97	5.25	105
Selenium				0.5000	0.488	98	0.490	98	0.492	98
Silver				0.5000	0.549	110	0.551	110	0.547	109
Sodium				10.0000	10.9	109	10.3	103	11.2	112
Thallium				0.5000	0.511	102	0.512	102	0.522	104
Vanadium				0.5000	0.508	102	0.510	102	0.512	102
Zinc				0.5000	0.499	100	0.497	99	0.499	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R1983270-1									
Date Analyzed	:	07/01/25 06:52									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum		0.500	0.4710	94							
Barium		0.500	0.4870	97							
Chromium		0.500	0.4800	96							
Copper		0.500	0.4920	98							
Iron		0.500	0.4940	99							
Manganese		0.500	0.4950	99							
Silver		0.500	0.4880	98							
Vanadium		0.500	0.4890	98							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1983270-3			R1983270-6			R1983270-8		R1983270-10	
Date Analyzed :	07/01/25 07:10			07/01/25 08:33			07/01/25 09:23		07/01/25 10:06	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Aluminum	0.500	0.4760	95	0.5000	0.478	96	0.472	94	0.471	94
Barium	0.500	0.4900	98	0.5000	0.489	98	0.486	97	0.486	97
Chromium	0.500	0.4850	97	0.5000	0.482	96	0.476	95	0.480	96
Copper	0.500	0.4960	99	0.5000	0.499	100	0.493	99	0.493	99
Iron	0.500	0.4990	100	0.5000	0.493	99	0.493	99	0.495	99
Manganese	0.500	0.4980	100	0.5000	0.490	98	0.486	97	0.489	98
Silver	0.500	0.4920	98	0.5000	0.495	99	0.488	98	0.490	98
Vanadium	0.500	0.4920	98	0.5000	0.489	98	0.486	97	0.487	97

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Units**	: mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID	:	R1983297-1									
Date Analyzed	:	07/01/25 06:19									
Parameter		**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Silver		0.500	0.5010	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1983297-3			R1983297-6			R1983297-8		R1983297-10	
Date Analyzed :	07/01/25 06:27			07/01/25 07:57			07/01/25 08:48		07/01/25 10:16	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Silver	0.500	0.5160	103	0.5000	0.507	101	0.522	104	0.522	104

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1983297-12			R1983297-14		R1983297-16	
Date Analyzed :				07/01/25 11:03			07/01/25 12:20		07/01/25 13:07	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Silver				0.5000	0.516	103	0.513	103	0.515	103

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Method 200.8)**
	80-120%	**(Methods 7470, 7471)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1983297-18			R1983297-20		R1983297-22	
Date Analyzed :				07/01/25 13:57			07/01/25 14:53		07/01/25 16:12	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Silver				0.5000	0.514	103	0.516	103	0.520	104

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Method 200.8)**
	80-120%	**(Methods 7470, 7471)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1983297-24			R1983297-26		R1983297-28	
Date Analyzed :				07/01/25 16:27			07/01/25 17:28		07/01/25 19:10	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Silver				**0.5000**	**0.517**	**103**	**0.520**	**104**	**0.519**	**104**

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Method 200.8)**
	80-120%	**(Methods 7470, 7471)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1983297-30			R1983297-32		R1983297-34	
Date Analyzed :				07/01/25 20:03			07/01/25 20:41		07/01/25 21:33	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Silver				**0.5000**	**0.511**	**102**	**0.520**	**104**	**0.520**	**104**

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Method 200.8)**
	80-120%	**(Methods 7470, 7471)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1981480-2		R1981480-7		R1981480-9		R1981480-11		WG2082032-1	
Date Analyzed :	06/26/25 06:45		06/26/25 08:18		06/26/25 09:19		06/26/25 09:44		06/26/25 13:42	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1981480-4		R1981480-13		R1981480-15		R1981480-17			
Date Analyzed :	06/26/25 06:52		06/26/25 10:41		06/26/25 10:59		06/26/25 11:49			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1981480-19		R1981480-21		R1981480-23			
Date Analyzed :			06/26/25 12:36		06/26/25 13:37		06/26/25 14:18			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1982839-2		R1982839-7		R1982839-9		R1982839-11		WG2082032-1	
Date Analyzed :	06/30/25 06:02		06/30/25 07:36		06/30/25 08:56		06/30/25 10:09		06/30/25 17:32	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00199	J	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1982839-4		R1982839-13		R1982839-15		R1982839-17			
Date Analyzed :	06/30/25 06:14		06/30/25 10:31		06/30/25 12:45		06/30/25 13:32			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1982839-19		R1982839-21		R1982839-23			
Date Analyzed :			06/30/25 15:45		06/30/25 16:53		06/30/25 18:16			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1982839-25							
Date Analyzed :			06/30/25 19:12							
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0318	U						
Antimony			0.00710	U						
Arsenic			0.00190	U						
Barium			0.00210	U						
Beryllium			0.000900	U						
Cadmium			0.00100	U						
Calcium			0.0350	U						
Chromium			0.00210	U						
Cobalt			0.00170	U						
Copper			0.00220	U						
Iron			0.00900	U						
Lead			0.00270	U						
Magnesium			0.0153	U						
Manganese			0.00160	U						
Nickel			0.00240	U						
Potassium			0.237	U						
Selenium			0.00350	U						
Silver			0.00280	U						
Sodium			0.120	U						
Thallium			0.00250	U						
Vanadium			0.00200	U						
Zinc			0.00210	U						

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1982839-2		R1982839-7		R1982839-9		R1982839-11		WG2082283-1	
Date Analyzed :	06/30/25 06:02		06/30/25 07:36		06/30/25 08:56		06/30/25 10:09		06/30/25 19:49	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00199	J	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1982839-4		R1982839-13		R1982839-15		R1982839-17			
Date Analyzed :	06/30/25 06:14		06/30/25 10:31		06/30/25 12:45		06/30/25 13:32			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1982839-19		R1982839-21		R1982839-23			
Date Analyzed :			06/30/25 15:45		06/30/25 16:53		06/30/25 18:16			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1982839-25		R1982839-27		R1982839-29			
Date Analyzed :			06/30/25 19:12		06/30/25 20:59		06/30/25 22:28			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1982839-31							
Date Analyzed :			06/30/25 23:49							
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum			0.0318	U						
Antimony			0.00710	U						
Arsenic			0.00190	U						
Barium			0.00210	U						
Beryllium			0.000900	U						
Cadmium			0.00100	U						
Calcium			0.0350	U						
Chromium			0.00210	U						
Cobalt			0.00170	U						
Copper			0.00220	U						
Iron			0.00900	U						
Lead			0.00270	U						
Magnesium			0.0153	U						
Manganese			0.00160	U						
Nickel			0.00240	U						
Potassium			0.237	U						
Selenium			0.00350	U						
Silver			0.00280	U						
Sodium			0.120	U						
Thallium			0.00250	U						
Vanadium			0.00200	U						
Zinc			0.00210	U						

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1983251-2		R1983251-7		R1983251-9		R1983251-11		WG2082734-1	
Date Analyzed :	07/01/25 06:13		07/01/25 08:34		07/01/25 09:31		07/01/25 12:02		07/01/25 15:58	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U	0.0021	U

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1983251-4		R1983251-13		R1983251-15		R1983251-17			
Date Analyzed :	07/01/25 06:26		07/01/25 13:21		07/01/25 14:31		07/01/25 15:40			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1983251-19		R1983251-21		R1983251-23			
Date Analyzed :			07/01/25 17:13		07/01/25 18:38		07/01/25 19:55			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Aluminum			0.0318	U	0.0318	U	0.0318	U		
Antimony			0.00710	U	0.00710	U	0.00710	U		
Arsenic			0.00190	U	0.00190	U	0.00190	U		
Barium			0.00210	U	0.00210	U	0.00210	U		
Beryllium			0.000900	U	0.000900	U	0.000900	U		
Cadmium			0.00100	U	0.00100	U	0.00100	U		
Calcium			0.0350	U	0.0350	U	0.0350	U		
Chromium			0.00210	U	0.00210	U	0.00210	U		
Cobalt			0.00170	U	0.00170	U	0.00170	U		
Copper			0.00220	U	0.00220	U	0.00220	U		
Iron			0.00900	U	0.00900	U	0.00900	U		
Lead			0.00270	U	0.00270	U	0.00270	U		
Magnesium			0.0153	U	0.0153	U	0.0153	U		
Manganese			0.00160	U	0.00160	U	0.00160	U		
Nickel			0.00240	U	0.00240	U	0.00240	U		
Potassium			0.237	U	0.237	U	0.237	U		
Selenium			0.00350	U	0.00350	U	0.00350	U		
Silver			0.00280	U	0.00280	U	0.00280	U		
Sodium			0.120	U	0.120	U	0.120	U		
Thallium			0.00250	U	0.00250	U	0.00250	U		
Vanadium			0.00200	U	0.00200	U	0.00200	U		
Zinc			0.00210	U	0.00210	U	0.00210	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :	R1983270-2		R1983270-7		R1983270-9		R1983270-11			
Date Analyzed :	07/01/25 06:56		07/01/25 08:37		07/01/25 09:26		07/01/25 10:10			
Parameter	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**	**mg/l**	**Q**		**Q**
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U		
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U		
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U		
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U		
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	:		

		Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
Lab ID	:	R1983270-4							
Date Analyzed	:	07/01/25 07:14							
Parameter		**mg/l**	**Q**	**Q**		**Q**		**Q**	
Aluminum		0.0318	U						
Barium		0.00210	U						
Chromium		0.00210	U						
Copper		0.00220	U						
Iron		0.00900	U						
Manganese		0.00160	U						
Silver		0.00280	U						
Vanadium		0.00200	U						

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R1983297-2		R1983297-7		R1983297-9		R1983297-11			
Date Analyzed	:	07/01/25 06:23		07/01/25 08:01		07/01/25 08:51		07/01/25 10:19			
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Silver		0.00280	U	0.00280	U	0.00280	U	0.00280	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8		

		Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID	:	R1983297-4		R1983297-13		R1983297-15		R1983297-17			
Date Analyzed	:	07/01/25 06:30		07/01/25 11:07		07/01/25 12:24		07/01/25 13:10			
Parameter		mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Silver		0.00280	U	0.00280	U	0.00280	U	0.00280	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1983297-19		R1983297-21		R1983297-23			
Date Analyzed :			07/01/25 14:01		07/01/25 14:57		07/01/25 16:16			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Silver			0.00280	U	0.00280	U	0.00280	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1983297-25		R1983297-27		R1983297-29			
Date Analyzed :			07/01/25 16:30		07/01/25 17:32		07/01/25 19:13			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Silver			0.00280	U	0.00280	U	0.00280	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1983297-31		R1983297-33		R1983297-35			
Date Analyzed :			07/01/25 20:07		07/01/25 20:44		07/01/25 21:36			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Silver			0.00280	U	0.00280	U	0.00280	U		

Form 4a
Interference Check Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R1981480-5							
Analysis Date :			06/26/25 07:02							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		493.	99						
Antimony			-0.0165							
Arsenic			-0.0000993							
Barium			0.00197							
Beryllium			0.0000411							
Cadmium			-0.000207							
Calcium	500		460.	92						
Chromium			0.0000460							
Cobalt			-0.000104							
Copper			0.00452							
Iron	200		179.	90						
Lead			-0.00103							
Magnesium	500		448.	90						
Manganese			0.000303							
Nickel			0.0000731							
Potassium			-0.0109							
Selenium			-0.000777							
Silver			0.00135							
Sodium			0.0148							
Thallium			0.00631							
Vanadium			-0.00711							
Zinc			-0.00670							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R1982839-5							
Analysis Date :			06/30/25 06:27							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		508.	102						
Antimony			0.00626							
Arsenic			-0.000332							
Barium			0.00189							
Beryllium			-0.0000759							
Cadmium			-0.00749							
Calcium	500		470.	94						
Chromium			0.00158							
Cobalt			0.000342							
Copper			0.00466							
Iron	200		183.	92						
Lead			-0.0142							
Magnesium	500		480.	96						
Manganese			-0.000288							
Nickel			-0.00199							
Potassium			0.0867							
Selenium			0.00555							
Silver			-0.00128							
Sodium			0.0436							
Thallium			0.00145							
Vanadium			-0.00114							
Zinc			0.00273							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R1982839-5							
Analysis Date :			06/30/25 06:27							
Analyte	**Sol. A**	**Sol. AB**	**Sol. A**	**%R**	**Sol. AB**	**%R**	**Sol. A**	**%R**	**Sol. AB**	**%R**
Aluminum	500		508.	102						
Antimony			0.00626							
Arsenic			-0.000332							
Barium			0.00189							
Beryllium			-0.0000759							
Cadmium			-0.00749							
Calcium	500		470.	94						
Chromium			0.00158							
Cobalt			0.000342							
Copper			0.00466							
Iron	200		183.	92						
Lead			-0.0142							
Magnesium	500		480.	96						
Manganese			-0.000288							
Nickel			-0.00199							
Potassium			0.0867							
Selenium			0.00555							
Silver			-0.00128							
Sodium			0.0436							
Thallium			0.00145							
Vanadium			-0.00114							
Zinc			0.00273							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R1983251-5							
Analysis Date :			07/01/25 06:38							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		523.	105						
Antimony			0.00304							
Arsenic			0.00319							
Barium			0.00204							
Beryllium			-0.0000429							
Cadmium			-0.00752							
Calcium	500		481.	96						
Chromium			0.00155							
Cobalt			0.000374							
Copper			0.00571							
Iron	200		183.	92						
Lead			-0.0148							
Magnesium	500		483.	97						
Manganese			0.000104							
Nickel			-0.00198							
Potassium			0.0678							
Selenium			0.00840							
Silver			-0.00159							
Sodium			0.0534							
Thallium			-0.000176							
Vanadium			-0.000819							
Zinc			0.00279							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Concentration Units**	: mg/l

	True		Initial Found				Final Found			
Lab ID :			R1983270-5							
Analysis Date :			07/01/25 07:45							
Analyte	Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Aluminum	500		488.	98						
Barium			0.00201							
Chromium			0.000349							
Copper			0.00334							
Iron	200		178.	89						
Manganese			0.000444							
Silver			0.00153							
Vanadium			-0.00594							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 4a
Interference Check Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE8	**Concentration Units**	: mg/l

		True		Initial Found				Final Found			
Lab ID	:			R1983297-5							
Analysis Date	:			07/01/25 06:37							
Analyte		Sol. A	Sol. AB	Sol. A	%R	Sol. AB	%R	Sol. A	%R	Sol. AB	%R
Silver				0.00349							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2535820-15		
Matrix Spike	: WG2082032-3	**MS Analysis Date**	: 06/26/25 13:21
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	ND	2	2.32	116					75-125	20
Antimony, Dissolved	0.013J	0.5	0.388	78					75-125	20
Arsenic, Dissolved	ND	0.12	0.124	103					75-125	20
Barium, Dissolved	0.014	2	2.25	112					75-125	20
Beryllium, Dissolved	ND	0.05	0.0560	112					75-125	20
Cadmium, Dissolved	ND	0.053	0.0491	93					75-125	20
Calcium, Dissolved	10.8	10	20.8	100					75-125	20
Chromium, Dissolved	ND	0.2	0.225	112					75-125	20
Cobalt, Dissolved	ND	0.5	0.530	106					75-125	20
Copper, Dissolved	ND	0.25	0.266	106					75-125	20
Iron, Dissolved	0.178	1	1.27	109					75-125	20
Lead, Dissolved	ND	0.53	0.533	100					75-125	20
Magnesium, Dissolved	2.05	10	12.1	100					75-125	20
Manganese, Dissolved	0.007J	0.5	0.542	108					75-125	20
Nickel, Dissolved	ND	0.5	0.571	114					75-125	20
Potassium, Dissolved	2.84	10	13.7	109					75-125	20
Selenium, Dissolved	ND	0.12	0.124	103					75-125	20
Silver, Dissolved	ND	0.05	0.0530	106					75-125	20
Sodium, Dissolved	43.8	10	55.6	118					75-125	20
Thallium, Dissolved	ND	0.12	0.120	100					75-125	20
Vanadium, Dissolved	ND	0.5	0.546	109					75-125	20
Zinc, Dissolved	0.003J	0.5	0.582	116					75-125	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2535820-18		
Matrix Spike	: WG2082032-7	**MS Analysis Date**	: 06/26/25 14:02
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	ND	2	2.27	114					75-125	20
Antimony, Dissolved	ND	0.5	0.415	83					75-125	20
Arsenic, Dissolved	ND	0.12	0.122	102					75-125	20
Barium, Dissolved	0.010	2	2.24	111					75-125	20
Beryllium, Dissolved	ND	0.05	0.0556	111					75-125	20
Cadmium, Dissolved	ND	0.053	0.0492	93					75-125	20
Calcium, Dissolved	6.06	10	15.8	97					75-125	20
Chromium, Dissolved	ND	0.2	0.225	112					75-125	20
Cobalt, Dissolved	ND	0.5	0.533	107					75-125	20
Copper, Dissolved	ND	0.25	0.263	105					75-125	20
Iron, Dissolved	0.200	1	1.29	109					75-125	20
Lead, Dissolved	ND	0.53	0.533	100					75-125	20
Magnesium, Dissolved	1.42	10	11.5	101					75-125	20
Manganese, Dissolved	0.019	0.5	0.554	107					75-125	20
Nickel, Dissolved	ND	0.5	0.574	115					75-125	20
Potassium, Dissolved	1.29J	10	11.9	119					75-125	20
Selenium, Dissolved	ND	0.12	0.122	102					75-125	20
Silver, Dissolved	ND	0.05	0.0528	106					75-125	20
Sodium, Dissolved	19.6	10	30.3	107					75-125	20
Thallium, Dissolved	ND	0.12	0.119	99					75-125	20
Vanadium, Dissolved	ND	0.5	0.541	108					75-125	20
Zinc, Dissolved	0.003J	0.5	0.580	116					75-125	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06A	**Matrix**	: WATER
Lab Sample ID	: L2536247-01		
Matrix Spike	: WG2082283-3	**MS Analysis Date**	: 06/30/25 20:28
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	ND	2	2.29	114					75-125	20
Antimony, Total	ND	0.5	0.472	94					75-125	20
Arsenic, Total	ND	0.12	0.127	106					75-125	20
Barium, Total	0.0231	2	2.27	112					75-125	20
Beryllium, Total	ND	0.05	0.0539	108					75-125	20
Cadmium, Total	ND	0.053	0.0539	102					75-125	20
Calcium, Total	32.5	10	42.5	100					75-125	20
Chromium, Total	ND	0.2	0.228	114					75-125	20
Cobalt, Total	ND	0.5	0.557	111					75-125	20
Copper, Total	ND	0.25	0.285	114					75-125	20
Iron, Total	0.0096J	1	1.14	114					75-125	20
Lead, Total	ND	0.53	0.533	100					75-125	20
Magnesium, Total	7.02	10	17.1	101					75-125	20
Manganese, Total	0.0034J	0.5	0.549	110					75-125	20
Nickel, Total	0.0168J	0.5	0.565	113					75-125	20
Potassium, Total	1.30J	10	12.3	123					75-125	20
Selenium, Total	ND	0.12	0.122	102					75-125	20
Silver, Total	ND	0.05	0.0603	121					75-125	20
Sodium, Total	10.1	10	20.4	103					75-125	20
Thallium, Total	ND	0.12	0.114	95					75-125	20
Vanadium, Total	ND	0.5	0.569	114					75-125	20
Zinc, Total	ND	0.5	0.558	112					75-125	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082283-7	**MS Analysis Date**	: 06/30/25 21:57
Matrix Spike Dup	: WG2082283-8	**MSD Analysis Date**	: 06/30/25 22:03

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Total	ND	2	2.29	114	2	2.33	116	2	75-125	20
Antimony, Total	ND	0.5	0.440	88	0.5	0.461	92	5	75-125	20
Arsenic, Total	ND	0.12	0.124	103	0.12	0.123	102	1	75-125	20
Barium, Total	0.0368	2	2.26	111	2	2.27	112	0	75-125	20
Beryllium, Total	ND	0.05	0.0534	107	0.05	0.0540	108	1	75-125	20
Cadmium, Total	ND	0.053	0.0533	100	0.053	0.0529	100	1	75-125	20
Calcium, Total	16.6	10	27.4	108	10	27.8	112	1	75-125	20
Chromium, Total	0.0032J	0.2	0.228	114	0.2	0.226	113	1	75-125	20
Cobalt, Total	ND	0.5	0.551	110	0.5	0.546	109	1	75-125	20
Copper, Total	ND	0.25	0.281	112	0.25	0.278	111	1	75-125	20
Iron, Total	0.0610	1	1.17	111	1	1.20	114	3	75-125	20
Lead, Total	ND	0.53	0.530	100	0.53	0.526	99	1	75-125	20
Magnesium, Total	3.42	10	13.5	101	10	13.3	99	1	75-125	20
Manganese, Total	0.0070J	0.5	0.547	109	0.5	0.552	110	1	75-125	20
Nickel, Total	ND	0.5	0.543	109	0.5	0.539	108	1	75-125	20
Potassium, Total	2.42J	10	13.4	134 Q	10	13.6	136 Q	1	75-125	20
Selenium, Total	ND	0.12	0.119	99	0.12	0.120	100	1	75-125	20
Silver, Total	ND	0.05	0.0590	118	0.05	0.0585	117	1	75-125	20
Sodium, Total	13.1	10	24.1	110	10	24.3	112	1	75-125	20
Thallium, Total	ND	0.12	0.114	95	0.12	0.113	94	1	75-125	20
Vanadium, Total	ND	0.5	0.562	112	0.5	0.557	111	1	75-125	20
Zinc, Total	ND	0.5	0.553	111	0.5	0.549	110	1	75-125	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082734-3	**MS Analysis Date**	: 07/01/25 16:37
Matrix Spike Dup	: WG2082734-4	**MSD Analysis Date**	: 07/01/25 16:43

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	ND	2	2.40	120	2	2.41	120	0	75-125	20
Antimony, Dissolved	ND	0.5	0.462	92	0.5	0.486	97	5	75-125	20
Arsenic, Dissolved	ND	0.12	0.125	104	0.12	0.126	105	1	75-125	20
Barium, Dissolved	0.0387	2	2.39	118	2	2.40	118	0	75-125	20
Beryllium, Dissolved	ND	0.05	0.0590	118	0.05	0.0591	118	0	75-125	20
Cadmium, Dissolved	ND	0.053	0.0528	100	0.053	0.0530	100	0	75-125	20
Calcium, Dissolved	16.6	10	27.5	109	10	27.6	110	0	75-125	20
Chromium, Dissolved	ND	0.2	0.226	113	0.2	0.226	113	0	75-125	20
Cobalt, Dissolved	ND	0.5	0.553	111	0.5	0.555	111	0	75-125	20
Copper, Dissolved	ND	0.25	0.287	115	0.25	0.288	115	0	75-125	20
Iron, Dissolved	0.0102J	1	1.08	108	1	1.08	108	0	75-125	20
Lead, Dissolved	ND	0.53	0.535	101	0.53	0.537	101	0	75-125	20
Magnesium, Dissolved	3.50	10	14.0	105	10	14.1	106	1	75-125	20
Manganese, Dissolved	ND	0.5	0.588	118	0.5	0.589	118	0	75-125	20
Nickel, Dissolved	ND	0.5	0.558	112	0.5	0.561	112	1	75-125	20
Potassium, Dissolved	2.36J	10	13.0	130 Q	10	13.1	131 Q	1	75-125	20
Selenium, Dissolved	ND	0.12	0.125	104	0.12	0.125	104	0	75-125	20
Silver, Dissolved	ND	0.05	0.0639	128 Q	0.05	0.0641	128 Q	0	75-125	20
Sodium, Dissolved	14.6	10	26.7	121	10	26.9	123	1	75-125	20
Thallium, Dissolved	ND	0.12	0.120	100	0.12	0.121	101	1	75-125	20
Vanadium, Dissolved	ND	0.5	0.575	115	0.5	0.576	115	0	75-125	20
Zinc, Dissolved	ND	0.5	0.560	112	0.5	0.561	112	0	75-125	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-09B	**Matrix**	: WATER
Lab Sample ID	: L2536247-08		
Matrix Spike	: WG2082734-7	**MS Analysis Date**	: 07/01/25 18:07
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Aluminum, Dissolved	ND	2	2.31	116					75-125	20
Antimony, Dissolved	ND	0.5	0.450	90					75-125	20
Arsenic, Dissolved	ND	0.12	0.125	104					75-125	20
Barium, Dissolved	ND	2	2.29	114					75-125	20
Beryllium, Dissolved	ND	0.05	0.0568	114					75-125	20
Cadmium, Dissolved	ND	0.053	0.0511	96					75-125	20
Calcium, Dissolved	33.1	10	41.2	81					75-125	20
Chromium, Dissolved	ND	0.2	0.217	108					75-125	20
Cobalt, Dissolved	ND	0.5	0.535	107					75-125	20
Copper, Dissolved	ND	0.25	0.282	113					75-125	20
Iron, Dissolved	0.0558	1	1.08	102					75-125	20
Lead, Dissolved	ND	0.53	0.533	100					75-125	20
Magnesium, Dissolved	4.10	10	14.4	103					75-125	20
Manganese, Dissolved	0.0786	0.5	0.633	111					75-125	20
Nickel, Dissolved	ND	0.5	0.542	108					75-125	20
Potassium, Dissolved	1.66J	10	12.0	120					75-125	20
Selenium, Dissolved	ND	0.12	0.124	103					75-125	20
Silver, Dissolved	ND	0.05	0.0615	123					75-125	20
Sodium, Dissolved	9.20	10	20.2	110					75-125	20
Thallium, Dissolved	ND	0.12	0.121	101					75-125	20
Vanadium, Dissolved	ND	0.5	0.557	111					75-125	20
Zinc, Dissolved	ND	0.5	0.540	108					75-125	20

Form 5b
Post Digest Spike Recovery

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Post Spike	: WG2082283-9	**PS Analysis Date**	: 06/30/25 22:09

		Post Spike Sample			
	Sample Conc.	Spike Added	Spike Conc.		
Parameter	(mg/l)	(mg/l)	(mg/l)	%R	Recovery Limits
Potassium, Total	2.42J	10	13.1	131	75-125

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 06/26/25 13:49
Dup Sample ID	: WG2082032-4	**DUP Analysis Date**	: 06/26/25 13:24

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Calcium, Dissolved	10.8	11.1	3	20
Magnesium, Dissolved	2.05	2.10	2	20
Sodium, Dissolved	43.8	45.6	4	20

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 06/26/25 13:58
Dup Sample ID	: WG2082032-8	**DUP Analysis Date**	: 06/26/25 14:05

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Calcium, Dissolved	6.06	6.13	1	20
Magnesium, Dissolved	1.42	1.44	1	20
Sodium, Dissolved	19.6	19.9	2	20

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06A	**Matrix**	: WATER
Lab Sample ID	: L2536247-01	**Analysis Date**	: 06/30/25 20:21
Dup Sample ID	: WG2082283-4	**DUP Analysis Date**	: 06/30/25 20:34

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Total	ND	ND	NC	20
Antimony, Total	ND	0.0110J	NC	20
Arsenic, Total	ND	ND	NC	20
Barium, Total	0.0231	0.0228	1	20
Beryllium, Total	ND	ND	NC	20
Cadmium, Total	ND	ND	NC	20
Calcium, Total	32.5	32.0	2	20
Chromium, Total	ND	ND	NC	20
Cobalt, Total	ND	ND	NC	20
Copper, Total	ND	ND	NC	20
Iron, Total	0.0096J	0.0099J	NC	20
Lead, Total	ND	ND	NC	20
Magnesium, Total	7.02	6.91	2	20
Manganese, Total	0.0034J	0.0034J	NC	20
Nickel, Total	0.0168J	0.0165J	NC	20
Potassium, Total	1.30J	1.29J	NC	20
Selenium, Total	ND	ND	NC	20
Silver, Total	ND	ND	NC	20
Sodium, Total	10.1	9.85	3	20
Thallium, Total	ND	ND	NC	20
Vanadium, Total	ND	ND	NC	20
Zinc, Total	ND	ND	NC	20

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-09B	**Matrix**	: WATER
Lab Sample ID	: L2536247-08	**Analysis Date**	: 07/01/25 18:01
Dup Sample ID	: WG2082734-8	**DUP Analysis Date**	: 07/01/25 18:13

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	0.0112J	NC	20
Arsenic, Dissolved	ND	ND	NC	20
Barium, Dissolved	ND	ND	NC	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	33.1	31.4	5	20
Chromium, Dissolved	ND	ND	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	0.0558	0.0524	6	20
Lead, Dissolved	ND	ND	NC	20
Magnesium, Dissolved	4.10	3.99	3	20
Manganese, Dissolved	0.0786	0.0754	4	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	1.66J	1.54J	NC	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	9.20	8.80	4	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082032-2	**LCS Analysis Date**	: 06/26/25 13:46
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Aluminum, Dissolved	2.00	2.20	110.					85-115	20
Arsenic, Dissolved	0.120	0.116	97.					85-115	20
Barium, Dissolved	2.00	2.18	109.					85-115	20
Beryllium, Dissolved	0.0500	0.0538	108.					85-115	20
Cadmium, Dissolved	0.0530	0.0482	91.					85-115	20
Calcium, Dissolved	10.0	9.59	96.					85-115	20
Chromium, Dissolved	0.200	0.222	111.					85-115	20
Cobalt, Dissolved	0.500	0.520	104.					85-115	20
Copper, Dissolved	0.250	0.256	102.					85-115	20
Iron, Dissolved	1.00	1.07	107.					85-115	20
Lead, Dissolved	0.530	0.526	99.					85-115	20
Magnesium, Dissolved	10.0	10.0	100.					85-115	20
Manganese, Dissolved	0.500	0.526	105.					85-115	20
Potassium, Dissolved	10.0	10.3	103.					85-115	20
Selenium, Dissolved	0.120	0.117	98.					85-115	20
Silver, Dissolved	0.0500	0.0516	103.					85-115	20
Sodium, Dissolved	10.0	10.4	104.					85-115	20
Thallium, Dissolved	0.120	0.119	99.					85-115	20
Vanadium, Dissolved	0.500	0.527	105.					85-115	20
Zinc, Dissolved	0.500	0.561	112.					85-115	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082032-2	**LCS Analysis Date**	: 06/30/25 17:38
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Antimony, Dissolved	0.500	0.497	99.					85-115	20
Nickel, Dissolved	0.500	0.574	115.					85-115	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082283-2	**LCS Analysis Date**	: 06/30/25 19:56
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Antimony, Total	0.500	0.451	90.					85-115	20
Arsenic, Total	0.120	0.122	102.					85-115	20
Beryllium, Total	0.0500	0.0568	114.					85-115	20
Cadmium, Total	0.0530	0.0549	104.					85-115	20
Calcium, Total	10.0	10.7	107.					85-115	20
Cobalt, Total	0.500	0.568	114.					85-115	20
Lead, Total	0.530	0.545	103.					85-115	20
Magnesium, Total	10.0	10.4	104.					85-115	20
Nickel, Total	0.500	0.562	112.					85-115	20
Potassium, Total	10.0	11.2	112.					85-115	20
Selenium, Total	0.120	0.119	99.					85-115	20
Sodium, Total	10.0	11.0	110.					85-115	20
Thallium, Total	0.120	0.118	98.					85-115	20
Zinc, Total	0.500	0.567	113.					85-115	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082734-2	**LCS Analysis Date**	: 07/01/25 16:04
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Aluminum, Dissolved	2.00	2.15	108.					85-115	20
Antimony, Dissolved	0.500	0.461	92.					85-115	20
Arsenic, Dissolved	0.120	0.122	102.					85-115	20
Barium, Dissolved	2.00	2.11	106.					85-115	20
Beryllium, Dissolved	0.0500	0.0523	105.					85-115	20
Cadmium, Dissolved	0.0530	0.0528	100.					85-115	20
Calcium, Dissolved	10.0	10.2	102.					85-115	20
Chromium, Dissolved	0.200	0.226	113.					85-115	20
Cobalt, Dissolved	0.500	0.555	111.					85-115	20
Copper, Dissolved	0.250	0.287	115.					85-115	20
Iron, Dissolved	1.00	1.07	107.					85-115	20
Lead, Dissolved	0.530	0.536	101.					85-115	20
Magnesium, Dissolved	10.0	10.5	105.					85-115	20
Manganese, Dissolved	0.500	0.528	106.					85-115	20
Nickel, Dissolved	0.500	0.559	112.					85-115	20
Potassium, Dissolved	10.0	10.4	104.					85-115	20
Selenium, Dissolved	0.120	0.119	99.					85-115	20
Sodium, Dissolved	10.0	11.3	113.					85-115	20
Thallium, Dissolved	0.120	0.120	100.					85-115	20
Vanadium, Dissolved	0.500	0.576	115.					85-115	20
Zinc, Dissolved	0.500	0.556	111.					85-115	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082283-2	**LCS Analysis Date**	: 07/01/25 09:31
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Aluminum, Total	2.00	2.27	114.					85-115	20
Barium, Total	2.00	2.18	109.					85-115	20
Chromium, Total	0.200	0.208	104.					85-115	20
Copper, Total	0.250	0.270	108.					85-115	20
Iron, Total	1.00	1.09	109.					85-115	20
Manganese, Total	0.500	0.531	106.					85-115	20
Silver, Total	0.0500	0.0542	108.					85-115	20
Vanadium, Total	0.500	0.544	109.					85-115	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082734-2	**LCS Analysis Date**	: 07/01/25 21:29
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Silver, Dissolved	**0.0500**	**0.0563**	**113.**					**85-115**	**20**

Form 8
Serial Dilutions

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06A	**Matrix**	: WATER
Lab Sample ID	: L2536247-01	**Analysis Date**	: 06/30/25 20:21
Serial Dilution ID	: WG2082283-6	**Analysis Date**	: 06/30/25 20:46

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Total	32.5	32.6	0	20
Magnesium, Total	7.02	7.14	2	20

Form 8
Serial Dilutions

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/30/25 21:50
Serial Dilution ID	: WG2082283-10	**Analysis Date**	: 06/30/25 22:15

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Total	16.6	17.6	6	20
Magnesium, Total	3.42	3.50	2	20

Form 8
Serial Dilutions

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 07/01/25 16:31
Serial Dilution ID	: WG2082734-6	**Analysis Date**	: 07/01/25 17:00

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit

Form 8
Serial Dilutions

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-09B	**Matrix**	: WATER
Lab Sample ID	: L2536247-08	**Analysis Date**	: 07/01/25 18:01
Serial Dilution ID	: WG2082734-10	**Analysis Date**	: 07/01/25 18:26

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	__
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract:

Lab Code: AAL Case No.: NRAS No.: SDG No.:

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____

Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____

ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12
Preparation Log

Client	: **P. W. Grosser**	**Lab Number**	: **L2536247**
Project Name	: **ROANOKE SAND AND GRAVEL**	**Project Number**	: **BSD1504**
Matrix	: **WATER**	**Prep Method**	: **EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2082032-1	06/22/25 17:30	-	50
WG2082032-2	06/22/25 17:30	-	50
WG2082032-3	06/22/25 17:30	-	50
WG2082032-4	06/22/25 17:30	-	50
WG2082032-7	06/22/25 17:30	-	50
WG2082032-8	06/22/25 17:30	-	50

Form 12
Preparation Log

Client	: **P. W. Grosser**	**Lab Number**	: **L2536247**
Project Name	: **ROANOKE SAND AND GRAVEL**	**Project Number**	: **BSD1504**
Matrix	: **WATER**	**Prep Method**	: **EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2536247-01	06/22/25 17:30	-	50
L2536247-02	06/22/25 17:30	-	50
L2536247-03	06/22/25 17:30	-	50
L2536247-04	06/22/25 17:30	-	50
L2536247-05	06/22/25 17:30	-	50
L2536247-06	06/22/25 17:30	-	50
L2536247-07	06/22/25 17:30	-	50
WG2082032-1	06/22/25 17:30	-	50
WG2082032-2	06/22/25 17:30	-	50

Form 12
Preparation Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix	: WATER	**Prep Method**	: EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2536247-01	06/23/25 12:30	-	50
L2536247-02	06/23/25 12:30	-	50
L2536247-03	06/23/25 12:30	-	50
L2536247-04	06/23/25 12:30	-	50
L2536247-05	06/23/25 12:30	-	50
L2536247-06	06/23/25 12:30	-	50
L2536247-07	06/23/25 12:30	-	50
L2536247-08	06/23/25 12:30	-	50
L2536247-09	06/23/25 12:30	-	50
L2536247-10	06/23/25 12:30	-	50
L2536247-11	06/23/25 12:30	-	50
L2536247-12	06/23/25 12:30	-	50
L2536247-13	06/23/25 12:30	-	50
L2536247-14	06/23/25 12:30	-	50
L2536247-15	06/23/25 12:30	-	50
L2536247-16	06/23/25 12:30	-	50
L2536247-17	06/23/25 12:30	-	50
L2536247-18	06/23/25 12:30	-	50
L2536247-20	06/23/25 12:30	-	50
WG2082283-1	06/23/25 12:30	-	50
WG2082283-2	06/23/25 12:30	-	50
WG2082283-3	06/23/25 12:30	-	50
WG2082283-4	06/23/25 12:30	-	50
WG2082283-6	06/23/25 12:30	-	50
WG2082283-7	06/23/25 12:30	-	50
WG2082283-8	06/23/25 12:30	-	50
WG2082283-9	06/23/25 12:30	-	50

Form 12
Preparation Log

Client	: **P. W. Grosser**	**Lab Number**	: **L2536247**
Project Name	: **ROANOKE SAND AND GRAVEL**	**Project Number**	: **BSD1504**
Matrix	: **WATER**	**Prep Method**	: **EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2082283-10	06/23/25 12:30	-	50

Form 12
Preparation Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix	: WATER	**Prep Method**	: EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2536247-08	06/24/25 13:10	-	50
L2536247-09	06/24/25 13:10	-	50
L2536247-10	06/24/25 13:10	-	50
L2536247-11	06/24/25 13:10	-	50
L2536247-12	06/24/25 13:10	-	50
L2536247-13	06/24/25 13:10	-	50
L2536247-14	06/24/25 13:10	-	50
L2536247-15	06/24/25 13:10	-	50
L2536247-16	06/24/25 13:10	-	50
L2536247-17	06/24/25 13:10	-	50
L2536247-18	06/24/25 13:10	-	50
L2536247-20	06/24/25 13:10	-	50
WG2082734-1	06/24/25 13:10	-	50
WG2082734-2	06/24/25 13:10	-	50
WG2082734-3	06/24/25 13:10	-	50
WG2082734-4	06/24/25 13:10	-	50
WG2082734-5	06/24/25 13:10	-	50
WG2082734-6	06/24/25 13:10	-	50
WG2082734-7	06/24/25 19:07	-	50
WG2082734-8	06/24/25 19:07	-	50
WG2082734-9	06/24/25 19:07	-	50
WG2082734-10	06/24/25 19:07	-	50

Form 12
Preparation Log

Client	: **P. W. Grosser**	**Lab Number**	: **L2536247**
Project Name	: **ROANOKE SAND AND GRAVEL**	**Project Number**	: **BSD1504**
Matrix	: **WATER**	**Prep Method**	: **EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2082283-2	06/23/25 12:30	-	50

Form 12
Preparation Log

Client	:	**P. W. Grosser**	**Lab Number**	:	**L2536247**
Project Name	:	**ROANOKE SAND AND GRAVEL**	**Project Number**	:	**BSD1504**
Matrix	:	**WATER**	**Prep Method**	:	**EPA 3005A**

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2082734-2	06/24/25 13:10	-	50

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Analysis Method**	: 19,200.7
Start Date	: 06/26/25 06:42	**End Date**	: 06/26/25 14:18

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
R1981480-1 ICV	1	06:42:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-2 ICB	1	06:45:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-3 ICV	1	06:48:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-4 ICB	1	06:52:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-5 ICSA	1	07:02:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-6 CCV	1	08:15:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-7 CCB	1	08:18:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-8 CCV	1	09:16:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-9 CCB	1	09:19:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-10 CCV	1	09:41:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-11 CCB	1	09:44:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-12 CCV	1	10:38:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-13 CCB	1	10:41:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-14 CCV	1	10:56:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-15 CCB	1	10:59:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-16 CCV	1	11:46:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-17 CCB	1	11:49:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-18 CCV	1	12:32:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-19 CCB	1	12:36:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082032-3 MS	1	13:21:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082032-4 DUP	1	13:24:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-20 CCV	1	13:33:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-21 CCB	1	13:37:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082032-1 BLANK	1	13:42:48	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
WG2082032-2 LCS	1	13:46:03	X		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X
WG2082032-7 MS	1	14:02:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082032-8 DUP	1	14:05:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE9	**Analysis Method**	: 19,200.7
Start Date	: 06/26/25 06:42	**End Date**	: 06/26/25 14:18

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
R1981480-22 CCV	1	14:15:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1981480-23 CCB	1	14:18:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 06/30/25 05:55	**End Date**	: 06/30/25 19:12

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
R1982839-1 ICV	1	05:55:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-2 ICB	1	06:02:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-3 ICV	1	06:08:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-4 ICB	1	06:14:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-5 ICSA	1	06:27:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-6 CCV	1	07:29:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-7 CCB	1	07:36:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-8 CCV	1	08:50:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-9 CCB	1	08:56:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-10 CCV	1	10:02:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-11 CCB	1	10:09:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-12 CCV	1	10:25:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-13 CCB	1	10:31:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-14 CCV	1	12:39:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-15 CCB	1	12:45:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-16 CCV	1	13:26:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-17 CCB	1	13:32:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-18 CCV	1	15:39:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-19 CCB	1	15:45:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-20 CCV	1	16:47:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-21 CCB	1	16:53:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082032-1 BLANK	1	17:32:24															X							
WG2082032-2 LCS	1	17:38:49		X													X							
L2536247-01	1	17:45:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-02	1	17:51:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-22 CCV	1	18:10:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-23 CCB	1	18:16:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 06/30/25 05:55	**End Date**	: 06/30/25 19:12

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
L2536247-03	1	18:34:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-04	1	18:40:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-05	1	18:46:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-06	1	18:53:14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-07	1	18:59:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-24 CCV	1	19:05:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-25 CCB	1	19:12:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 06/30/25 05:55	**End Date**	: 06/30/25 23:49

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
R1982839-1 ICV	1	05:55:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-2 ICB	1	06:02:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-3 ICV	1	06:08:27	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-4 ICB	1	06:14:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-5 ICSA	1	06:27:30	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-6 CCV	1	07:29:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-7 CCB	1	07:36:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-8 CCV	1	08:50:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-9 CCB	1	08:56:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-10 CCV	1	10:02:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-11 CCB	1	10:09:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-12 CCV	1	10:25:51	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-13 CCB	1	10:31:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-14 CCV	1	12:39:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-15 CCB	1	12:45:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-16 CCV	1	13:26:36	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-17 CCB	1	13:32:43	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-18 CCV	1	15:39:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-19 CCB	1	15:45:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-20 CCV	1	16:47:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-21 CCB	1	16:53:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-22 CCV	1	18:10:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-23 CCB	1	18:16:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-24 CCV	1	19:05:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-25 CCB	1	19:12:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-1 BLANK	1	19:49:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-2 LCS	1	19:56:17		X	X		X	X	X		X			X	X		X	X	X		X	X		X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 06/30/25 05:55	**End Date**	: 06/30/25 23:49

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
L2536247-02	1	20:09:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-03	1	20:15:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-01	1	20:21:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-3 MS	1	20:28:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-4 DUP	1	20:34:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-6 SERDIL	5	20:46:55							X						X									
R1982839-26 CCV	1	20:53:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-27 CCB	1	20:59:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-05	1	21:18:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-06	1	21:25:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-07	1	21:31:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-08	1	21:37:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-04	1	21:44:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-12	1	21:50:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-7 MS	1	21:57:02	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-8 MSD	1	22:03:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082283-9 PS	1	22:09:26																X						
WG2082283-10 SERDIL	5	22:15:36							X						X									
R1982839-28 CCV	1	22:21:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-29 CCB	1	22:28:05	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-09	1	22:40:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-10	1	22:46:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-11	1	22:52:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-13	1	22:59:13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-14	1	23:05:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-15	1	23:11:56	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-16	1	23:18:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 06/30/25 05:55	**End Date**	: 06/30/25 23:49

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total
L2536247-17	1	23:24:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-18	1	23:31:04	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-20	1	23:37:24	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-30 CCV	1	23:43:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1982839-31 CCB	1	23:49:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 07/01/25 06:07	**End Date**	: 07/01/25 19:55

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
R1983251-1 ICV	1	06:07:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-2 ICB	1	06:13:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-3 ICV	1	06:19:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-4 ICB	1	06:26:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-5 ICSA	1	06:38:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-6 CCV	1	08:28:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-7 CCB	1	08:34:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-8 CCV	1	09:25:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-9 CCB	1	09:31:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-10 CCV	1	11:56:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-11 CCB	1	12:02:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-12 CCV	1	13:15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-13 CCB	1	13:21:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-14 CCV	1	14:25:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-15 CCB	1	14:31:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-16 CCV	1	15:34:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-17 CCB	1	15:40:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-1 BLANK	1	15:58:01	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-2 LCS	1	16:04:26	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
L2536247-09	1	16:10:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-10	1	16:18:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-11	1	16:24:44	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-12	1	16:31:06	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-3 MS	1	16:37:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-4 MSD	1	16:43:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-5 PS	1	16:54:44																X		X				
WG2082734-6 SERDIL	5	17:00:48																						

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: TRACE5	**Analysis Method**	: 19,200.7
Start Date	: 07/01/25 06:07	**End Date**	: 07/01/25 19:55

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved
R1983251-18 CCV	1	17:07:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-19 CCB	1	17:13:17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-13	1	17:35:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-14	1	17:42:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-15	1	17:48:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-16	1	17:54:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-08	1	18:01:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-7 MS	1	18:07:37	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-8 DUP	1	18:13:45	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
WG2082734-9 PS	1	18:20:07																						
WG2082734-10 SERDIL	5	18:26:28																						
R1983251-20 CCV	1	18:32:50	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-21 CCB	1	18:38:57	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-17	1	19:23:42	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-18	1	19:36:19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
L2536247-20	1	19:42:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-22 CCV	1	19:49:03	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
R1983251-23 CCB	1	19:55:10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	:	**Analysis Method**	:
Start Date	: 07/01/25 06:52	**End Date**	: 07/01/25 10:10

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Barium, Total	Chromium, Total	Copper, Total	Iron, Total	Manganese, Total	Silver, Total	Vanadium, Total
R1983270-1 ICV	1	06:52:48	X	X	X	X	X	X	X	X
R1983270-2 ICB	1	06:56:07	X	X	X	X	X	X	X	X
R1983270-3 ICV	1	07:10:38	X	X	X	X	X	X	X	X
R1983270-4 ICB	1	07:14:01	X	X	X	X	X	X	X	X
R1983270-5 ICSA	1	07:45:00	X	X	X	X	X	X	X	X
R1983270-6 CCV	1	08:33:53	X	X	X	X	X	X	X	X
R1983270-7 CCB	1	08:37:11	X	X	X	X	X	X	X	X
R1983270-8 CCV	1	09:23:08	X	X	X	X	X	X	X	X
R1983270-9 CCB	1	09:26:21	X	X	X	X	X	X	X	X
WG2082283-2 LCS	1	09:31:30	X	X	X	X	X	X	X	X
R1983270-10 CCV	1	10:06:43	X	X	X	X	X	X	X	X
R1983270-11 CCB	1	10:10:02	X	X	X	X	X	X	X	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	:	**Analysis Method**	:
Start Date	: 07/01/25 06:19	**End Date**	: 07/01/25 21:36

Sample Number	Dilution Factor	Analysis Time	Silver, Dissolved
R1983297-1 ICV	1	06:19:58	X
R1983297-2 ICB	1	06:23:36	X
R1983297-3 ICV	1	06:27:00	X
R1983297-4 ICB	1	06:30:26	X
R1983297-5 ICSA	1	06:37:15	X
R1983297-6 CCV	1	07:57:32	X
R1983297-7 CCB	1	08:01:08	X
R1983297-8 CCV	1	08:48:06	X
R1983297-9 CCB	1	08:51:30	X
R1983297-10 CCV	1	10:16:14	X
R1983297-11 CCB	1	10:19:38	X
R1983297-12 CCV	1	11:03:49	X
R1983297-13 CCB	1	11:07:13	X
R1983297-14 CCV	1	12:20:52	X
R1983297-15 CCB	1	12:24:17	X
R1983297-16 CCV	1	13:07:11	X
R1983297-17 CCB	1	13:10:36	X
R1983297-18 CCV	1	13:57:50	X
R1983297-19 CCB	1	14:01:14	X
R1983297-20 CCV	1	14:53:46	X
R1983297-21 CCB	1	14:57:10	X
R1983297-22 CCV	1	16:12:44	X
R1983297-23 CCB	1	16:16:08	X
R1983297-24 CCV	1	16:27:09	X
R1983297-25 CCB	1	16:30:40	X
R1983297-26 CCV	1	17:28:47	X
R1983297-27 CCB	1	17:32:18	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	:	**Analysis Method**	:
Start Date	: 07/01/25 06:19	**End Date**	: 07/01/25 21:36

Sample Number	Dilution Factor	Analysis Time	Silver, Dissolved
R1983297-28 CCV	1	19:10:18	X
R1983297-29 CCB	1	19:13:43	X
R1983297-30 CCV	1	20:03:56	X
R1983297-31 CCB	1	20:07:38	X
R1983297-32 CCV	1	20:41:06	X
R1983297-33 CCB	1	20:44:31	X
WG2082734-2 LCS	1	21:29:54	X
R1983297-34 CCV	1	21:33:21	X
R1983297-35 CCB	1	21:36:47	X

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2960-2
Page: 1

METALS by 200.7, 6010C (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum	7429-90-5	0.1	0.0318	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Antimony	7440-36-0	0.05	0.0071	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Arsenic	7440-38-2	0.005	0.0019	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Barium	7440-39-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Beryllium	7440-41-7	0.005	0.0009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cadmium	7440-43-9	0.005	0.001	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Calcium	7440-70-2	0.1	0.035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Chromium	7440-47-3	0.01	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Cobalt	7440-48-4	0.02	0.0017	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Copper	7440-50-8	0.01	0.0022	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Iron	7439-89-6	0.05	0.009	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Lead	7439-92-1	0.01	0.0027	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Magnesium	7439-95-4	0.1	0.0153	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Manganese	7439-96-5	0.01	0.0016	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Nickel	7440-02-0	0.025	0.0024	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Potassium	7440-09-7	2.5	0.237	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Selenium	7782-49-2	0.01	0.0035	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Silver	7440-22-4	0.007	0.0028	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Sodium	7440-23-5	2	0.12	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Thallium	7440-28-0	0.02	0.0025	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Vanadium	7440-62-2	0.01	0.002	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved
Zinc	7440-66-6	0.05	0.0021	mg/l	85-115		75-125	20	20		180 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)

Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2962-1
Page: 1

METALS by 6010C (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Aluminum, Total	7429-90-5	4	1.08	mg/kg	48-151		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Antimony, Total	7440-36-0	2	0.152	mg/kg	1-208		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Arsenic, Total	7440-38-2	0.4	0.0832	mg/kg	79-121		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Barium, Total	7440-39-3	0.4	0.0696	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Beryllium, Total	7440-41-7	0.2	0.0132	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cadmium, Total	7440-43-9	0.4	0.0392	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Calcium, Total	7440-70-2	4	1.4	mg/kg	81-119		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Chromium, Total	7440-47-3	0.4	0.0384	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Cobalt, Total	7440-48-4	0.8	0.0664	mg/kg	84-115		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Copper, Total	7440-50-8	0.4	0.1032	mg/kg	81-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Iron, Total	7439-89-6	2	0.3612	mg/kg	45-155		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Lead, Total	7439-92-1	2	0.1072	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Magnesium, Total	7439-95-4	4	0.616	mg/kg	76-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Manganese, Total	7439-96-5	0.4	0.0636	mg/kg	81-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Nickel, Total	7440-02-0	1	0.0968	mg/kg	83-117		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Potassium, Total	7440-09-7	100	5.76	mg/kg	71-129		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Selenium, Total	7782-49-2	0.8	0.1032	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Silver, Total	7440-22-4	0.4	0.1132	mg/kg	75-124		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Sodium, Total	7440-23-5	80	1.26	mg/kg	72-127		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Thallium, Total	7440-28-0	0.8	0.126	mg/kg	80-120		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Vanadium, Total	7440-62-2	0.4	0.0812	mg/kg	78-122		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved
Zinc, Total	7440-66-6	2	0.1172	mg/kg	82-118		75-125	20	20		180 days	1 - Metals Only - Glass 60mL/2oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: Blank JMF Trace9
Analysis started at: 6/26/2025 6:30:10 AM
Rack 0
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.7 %	-3.1 %	-0.7 %	0.1 %	0.3 %	-0.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-2.6 %	0.2 %	-7.5 %	0.0 %	0.9 %	-0.6 %	-759.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-2.3 %	-1.9 %	3.2 %	0.1 %	0.5 %	0.8 %	-1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.0 %	0.1 %	0.2 %	0.2 %	-0.1 %	-1.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: ICAL
Analysis started at: 6/26/2025 6:33:33 AM
Rack 0
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0108 ppm	25.0785 ppm	1.0349 ppm	1.0064 ppm	1.0116 ppm	0.9985 ppm	9.8188 ppm
Concentration per Run 2	0.9981 ppm	24.9587 ppm	0.9873 ppm	0.9947 ppm	0.9932 ppm	1.0110 ppm	10.3426 ppm
Concentration per Run 3	0.9911 ppm	24.9628 ppm	0.9778 ppm	0.9988 ppm	0.9953 ppm	0.9904 ppm	9.8386 ppm
Concentration RSD	1.0 %	0.3 %	3.1 %	0.6 %	1.0 %	1.0 %	3.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9954 ppm	0.9983 ppm	1.0108 ppm	0.9997 ppm	24.8518 ppm	35.3118 ppm	1.0063 ppm
Concentration per Run 2	1.0051 ppm	1.0021 ppm	0.9887 ppm	1.0025 ppm	25.4628 ppm	34.8579 ppm	0.9993 ppm
Concentration per Run 3	0.9994 ppm	0.9996 ppm	1.0005 ppm	0.9978 ppm	24.6854 ppm	34.8303 ppm	0.9944 ppm
Concentration RSD	0.5 %	0.2 %	1.1 %	0.2 %	1.6 %	0.8 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0587 ppm	0.9856 ppm	0.9971 ppm	25.2249 ppm	1.0166 ppm	1.0277 ppm	1.0037 ppm
Concentration per Run 2	9.9132 ppm	1.0247 ppm	1.0003 ppm	24.8612 ppm	0.9853 ppm	0.9904 ppm	1.0086 ppm
Concentration per Run 3	10.0281 ppm	0.9896 ppm	1.0026 ppm	24.9140 ppm	0.9982 ppm	0.9819 ppm	0.9877 ppm
Concentration RSD	0.8 %	2.2 %	0.3 %	0.8 %	1.6 %	2.4 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0104 ppm	10.0003 ppm	1.0077 ppm	1.0164 ppm	1.0081 ppm	1.0126 ppm	1.0016 ppm
Concentration per Run 2	0.9917 ppm	10.0352 ppm	0.9983 ppm	0.9805 ppm	0.9909 ppm	0.9945 ppm	1.0032 ppm
Concentration per Run 3	0.9980 ppm	9.9644 ppm	0.9941 ppm	1.0032 ppm	1.0010 ppm	0.9929 ppm	0.9952 ppm
Concentration RSD	1.0 %	0.4 %	0.7 %	1.8 %	0.9 %	1.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	95.5245 %	96.5921 %	90.4014 %	85.1037 %	95.5154 %	92.4653 %
Concentration per Run 1	1.0099 ppm	95.3723 %	99.1883 %	92.5924 %	84.7108 %	97.7853 %	95.2607 %
Concentration per Run 2	0.9918 ppm	95.2016 %	91.1574 %	89.5037 %	84.1590 %	91.1190 %	91.1332 %
Concentration per Run 3	0.9984 ppm	95.9995 %	99.4307 %	89.1082 %	86.4413 %	97.6420 %	91.0019 %
Concentration RSD	0.9 %	0.4 %	4.9 %	2.1 %	1.4 %	4.0 %	2.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: ICV
Analysis started at: 6/26/2025 6:42:21 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4900 ppm	0.4768 ppm	0.4743 ppm	0.5022 ppm	0.5034 ppm	0.5043 ppm	0.4838 ppm
Concentration per Run 1	0.4943 ppm	0.4782 ppm	0.4766 ppm	0.5066 ppm	0.5013 ppm	0.5047 ppm	0.4827 ppm
Concentration per Run 2	0.4863 ppm	0.4776 ppm	0.4692 ppm	0.4989 ppm	0.5090 ppm	0.5034 ppm	0.4821 ppm
Concentration per Run 3	0.4893 ppm	0.4746 ppm	0.4771 ppm	0.5010 ppm	0.4999 ppm	0.5048 ppm	0.4866 ppm
Recovery Percentage 1	97.996 %	95.358 %	94.860 %	100.435 %	100.678 %	100.857 %	96.760 %
Concentration RSD	0.8 %	0.4 %	0.9 %	0.8 %	1.0 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4784 ppm	0.5041 ppm	0.5268 ppm	0.4908 ppm	0.4987 ppm	5.1395 ppm	0.5182 ppm
Concentration per Run 1	0.4804 ppm	0.5050 ppm	0.5299 ppm	0.4935 ppm	0.5007 ppm	5.1556 ppm	0.5197 ppm
Concentration per Run 2	0.4779 ppm	0.5048 ppm	0.5261 ppm	0.4873 ppm	0.4952 ppm	5.1844 ppm	0.5231 ppm
Concentration per Run 3	0.4769 ppm	0.5026 ppm	0.5245 ppm	0.4917 ppm	0.5001 ppm	5.0786 ppm	0.5118 ppm
Recovery Percentage 1	95.678 %	100.827 %	105.366 %	98.168 %	99.739 %	102.791 %	103.641 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.7 %	0.6 %	1.1 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5191 ppm	0.4980 ppm	0.5096 ppm	10.1324 ppm	0.5348 ppm	0.5089 ppm	0.4849 ppm
Concentration per Run 1	0.5228 ppm	0.4992 ppm	0.5114 ppm	10.0855 ppm	0.5390 ppm	0.5091 ppm	0.4903 ppm
Concentration per Run 2	0.5186 ppm	0.4957 ppm	0.5089 ppm	10.2612 ppm	0.5339 ppm	0.5077 ppm	0.4812 ppm
Concentration per Run 3	0.5160 ppm	0.4991 ppm	0.5084 ppm	10.0506 ppm	0.5316 ppm	0.5098 ppm	0.4833 ppm
Recovery Percentage 1	103.825 %	99.603 %	101.918 %	101.324 %	106.964 %	101.778 %	96.989 %
Concentration RSD	0.7 %	0.4 %	0.3 %	1.1 %	0.7 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4841 ppm	5.2229 ppm	0.5286 ppm	0.5037 ppm	0.5184 ppm	0.5128 ppm	0.4856 ppm
Concentration per Run 1	0.4897 ppm	5.2435 ppm	0.5308 ppm	0.5032 ppm	0.5210 ppm	0.5146 ppm	0.4887 ppm
Concentration per Run 2	0.4818 ppm	5.2058 ppm	0.5276 ppm	0.5061 ppm	0.5178 ppm	0.5114 ppm	0.4837 ppm
Concentration per Run 3	0.4807 ppm	5.2193 ppm	0.5275 ppm	0.5018 ppm	0.5165 ppm	0.5123 ppm	0.4843 ppm
Recovery Percentage 1	96.817 %	99.483 %	105.722 %	100.746 %	103.681 %	102.551 %	97.114 %
Concentration RSD	1.0 %	0.4 %	0.4 %	0.4 %	0.4 %	0.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5266 ppm	100.7795 %	100.7710 %	98.6318 %	98.5206 %	99.1662 %	98.5962 %
Concentration per Run 1	0.5294 ppm	100.5143 %	100.2394 %	99.0039 %	98.0997 %	98.6016 %	98.8495 %
Concentration per Run 2	0.5258 ppm	100.9185 %	101.3961 %	98.7147 %	98.9273 %	99.6473 %	98.4011 %
Concentration per Run 3	0.5246 ppm	100.9057 %	100.6776 %	98.1767 %	98.5349 %	99.2497 %	98.5382 %
Recovery Percentage 1	105.320 %						
Concentration RSD	0.5 %	0.2 %	0.6 %	0.4 %	0.4 %	0.5 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: ICB
Analysis started at: 6/26/2025 6:45:46 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0036 ppm	0.0004 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0006 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	-0.0002 ppm	-0.0067 ppm	-0.0005 ppm	0.0030 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 3	-0.0002 ppm	-0.0048 ppm	0.0009 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	-2.472 %	-3.644 %	8.594 %	2.338 %	0.297 %	0.252 %	0.494 %
Concentration RSD	22.6 %	103.8 %	191.3 %	283.5 %	201.1 %	245.3 %	204.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0007 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0014 ppm	0.0014 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm
Recovery Percentage 1	1.159 %	0.169 %	-3.545 %	0.159 %	1.411 %	0.014 %	4.635 %
Concentration RSD	76.5 %	225.0 %	41.7 %	1,263.4 %	99.2 %	268.7 %	131.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0030 ppm	-0.0005 ppm	0.0004 ppm	-0.0001 ppm	0.0016 ppm
Concentration per Run 1	-0.0003 ppm	0.0000 ppm	0.0031 ppm	-0.0038 ppm	0.0004 ppm	-0.0008 ppm	0.0033 ppm
Concentration per Run 2	0.0009 ppm	0.0000 ppm	0.0031 ppm	0.0024 ppm	0.0003 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run 3	-0.0005 ppm	0.0000 ppm	0.0030 ppm	-0.0002 ppm	0.0006 ppm	-0.0004 ppm	0.0019 ppm
Recovery Percentage 1	-0.007 %	0.101 %	6.055 %	-0.026 %	1.647 %	-1.359 %	3.287 %
Concentration RSD	10,762.6 %	69.3 %	2.2 %	603.6 %	37.1 %	633.3 %	108.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	-0.0020 ppm	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	-0.0006 ppm	-0.0016 ppm	-0.0007 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0008 ppm	-0.0027 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0032 ppm	-0.0018 ppm	0.0013 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Recovery Percentage 1	11.311 %	-0.405 %	0.262 %	-0.550 %	1.516 %	1.327 %	0.485 %
Concentration RSD	171.9 %	27.2 %	777.7 %	51.9 %	136.3 %	156.3 %	219.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.0243 %	99.5502 %	99.7711 %	100.4254 %	99.5529 %	100.2459 %
Concentration per Run 1	0.0000 ppm	100.1829 %	99.5189 %	99.4915 %	101.0445 %	99.6224 %	100.2533 %
Concentration per Run 2	0.0003 ppm	99.7674 %	100.4204 %	100.1641 %	99.4358 %	99.9493 %	100.4895 %
Concentration per Run 3	-0.0001 ppm	100.1226 %	98.7113 %	99.6577 %	100.7958 %	99.0868 %	99.9947 %
Recovery Percentage 1	1.635 %						
Concentration RSD	285.0 %	0.2 %	0.9 %	0.4 %	0.9 %	0.4 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: ICV
Analysis started at: 6/26/2025 6:48:58 AM
Rack 0
Vial 10
Comment positon changed

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4811 ppm	0.4677 ppm	0.4775 ppm	0.4964 ppm	0.4982 ppm	0.5044 ppm	0.4851 ppm
Concentration per Run 1	0.4807 ppm	0.4697 ppm	0.4765 ppm	0.4989 ppm	0.4999 ppm	0.5049 ppm	0.4830 ppm
Concentration per Run 2	0.4811 ppm	0.4723 ppm	0.4767 ppm	0.4975 ppm	0.4978 ppm	0.5059 ppm	0.4854 ppm
Concentration per Run 3	0.4815 ppm	0.4612 ppm	0.4792 ppm	0.4929 ppm	0.4969 ppm	0.5025 ppm	0.4869 ppm
Recovery Percentage 1	96.214 %	93.546 %	95.490 %	99.289 %	99.641 %	100.887 %	97.014 %
Concentration RSD	0.1 %	1.2 %	0.3 %	0.6 %	0.3 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4809 ppm	0.5044 ppm	0.5273 ppm	0.4875 ppm	0.4989 ppm	5.0698 ppm	0.4936 ppm
Concentration per Run 1	0.4847 ppm	0.5080 ppm	0.5263 ppm	0.4896 ppm	0.5003 ppm	5.1416 ppm	0.4982 ppm
Concentration per Run 2	0.4807 ppm	0.5038 ppm	0.5285 ppm	0.4881 ppm	0.4970 ppm	5.0269 ppm	0.4905 ppm
Concentration per Run 3	0.4772 ppm	0.5014 ppm	0.5271 ppm	0.4848 ppm	0.4994 ppm	5.0407 ppm	0.4920 ppm
Recovery Percentage 1	96.175 %	100.878 %	105.463 %	97.493 %	99.780 %	101.395 %	98.711 %
Concentration RSD	0.8 %	0.7 %	0.2 %	0.5 %	0.4 %	1.2 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5204 ppm	0.4984 ppm	0.5094 ppm	9.9408 ppm	0.5378 ppm	0.5097 ppm	0.4803 ppm
Concentration per Run 1	0.5197 ppm	0.4981 ppm	0.5106 ppm	9.9747 ppm	0.5360 ppm	0.5101 ppm	0.4811 ppm
Concentration per Run 2	0.5214 ppm	0.4994 ppm	0.5102 ppm	9.9426 ppm	0.5419 ppm	0.5097 ppm	0.4811 ppm
Concentration per Run 3	0.5202 ppm	0.4976 ppm	0.5072 ppm	9.9051 ppm	0.5356 ppm	0.5095 ppm	0.4788 ppm
Recovery Percentage 1	104.089 %	99.677 %	101.871 %	99.408 %	107.562 %	101.949 %	96.061 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.4 %	0.7 %	0.1 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4842 ppm	5.2022 ppm	0.5379 ppm	0.4963 ppm	0.5185 ppm	0.5092 ppm	0.4833 ppm
Concentration per Run 1	0.4859 ppm	5.1914 ppm	0.5440 ppm	0.4964 ppm	0.5163 ppm	0.5102 ppm	0.4837 ppm
Concentration per Run 2	0.4824 ppm	5.2006 ppm	0.5371 ppm	0.4958 ppm	0.5189 ppm	0.5087 ppm	0.4844 ppm
Concentration per Run 3	0.4844 ppm	5.2146 ppm	0.5325 ppm	0.4965 ppm	0.5204 ppm	0.5088 ppm	0.4818 ppm
Recovery Percentage 1	96.846 %	99.089 %	107.576 %	99.250 %	103.706 %	101.842 %	96.659 %
Concentration RSD	0.4 %	0.2 %	1.1 %	0.1 %	0.4 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5302 ppm	100.1689 %	100.3644 %	98.1931 %	98.1958 %	98.9192 %	98.7694 %
Concentration per Run 1	0.5326 ppm	98.7156 %	101.0814 %	97.9738 %	96.6508 %	99.5750 %	98.8739 %
Concentration per Run 2	0.5315 ppm	100.3164 %	99.6484 %	98.1129 %	98.4903 %	98.2072 %	98.5082 %
Concentration per Run 3	0.5265 ppm	101.4747 %	100.3635 %	98.4927 %	99.4464 %	98.9753 %	98.9262 %
Recovery Percentage 1	106.033 %						
Concentration RSD	0.6 %	1.4 %	0.7 %	0.3 %	1.4 %	0.7 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: ICB
Analysis started at: 6/26/2025 6:52:15 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0069 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	-0.0004 ppm	-0.0045 ppm	-0.0010 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 2	0.0002 ppm	-0.0102 ppm	0.0009 ppm	-0.0016 ppm	-0.0001 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 3	0.0002 ppm	-0.0060 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Recovery Percentage 1	-0.369 %	-6.881 %	1.693 %	-1.849 %	-0.411 %	0.389 %	0.364 %
Concentration RSD	1,295.9 %	43.0 %	1,202.4 %	167.1 %	187.4 %	247.5 %	332.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	-0.0072 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0011 ppm	-0.0146 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm	-0.0010 ppm	-0.0160 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	-0.0004 ppm	0.0003 ppm	0.0012 ppm	0.0088 ppm	-0.0002 ppm
Recovery Percentage 1	0.247 %	0.886 %	-2.430 %	0.964 %	-0.602 %	-0.290 %	0.308 %
Concentration RSD	333.0 %	95.1 %	52.6 %	167.8 %	426.5 %	192.5 %	1,706.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	0.0001 ppm	0.0030 ppm	-0.0039 ppm	0.0000 ppm	-0.0008 ppm	0.0019 ppm
Concentration per Run 1	0.0006 ppm	0.0000 ppm	0.0032 ppm	-0.0033 ppm	-0.0001 ppm	-0.0013 ppm	0.0007 ppm
Concentration per Run 2	0.0014 ppm	0.0002 ppm	0.0031 ppm	-0.0057 ppm	-0.0004 ppm	-0.0002 ppm	0.0028 ppm
Concentration per Run 3	-0.0007 ppm	0.0000 ppm	0.0026 ppm	-0.0028 ppm	0.0005 ppm	-0.0008 ppm	0.0021 ppm
Recovery Percentage 1	0.425 %	0.765 %	5.943 %	-0.196 %	-0.067 %	-7.501 %	3.739 %
Concentration RSD	240.3 %	183.7 %	11.2 %	39.4 %	2,615.0 %	70.7 %	57.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0014 ppm	-0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 2	0.0016 ppm	0.0013 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0009 ppm	-0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm
Recovery Percentage 1	12.740 %	-0.075 %	-0.170 %	-0.220 %	1.825 %	0.534 %	-0.553 %
Concentration RSD	26.5 %	430.6 %	854.3 %	114.0 %	71.3 %	326.2 %	112.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	99.4058 %	99.7664 %	99.3920 %	99.8757 %	99.7258 %	100.6367 %
Concentration per Run 1	-0.0001 ppm	98.7404 %	99.2523 %	100.0137 %	99.7566 %	99.3050 %	101.2762 %
Concentration per Run 2	0.0000 ppm	99.4757 %	99.2381 %	99.2311 %	100.0217 %	99.3848 %	100.4853 %
Concentration per Run 3	0.0000 ppm	100.0012 %	100.8087 %	98.9310 %	99.8489 %	100.4876 %	100.1487 %
Recovery Percentage 1	-1.257 %						
Concentration RSD	96.1 %	0.6 %	0.9 %	0.6 %	0.1 %	0.7 %	0.6 %

LabBook: WG2083657_06262025T9.imexp

Sample: LLOQ
Analysis started at: 6/26/2025 6:55:28 AM
Rack 0
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0049 ppm	0.0914 ppm	0.0047 ppm	0.0294 ppm	0.0099 ppm	0.0050 ppm	0.1015 ppm
Concentration per Run 1	0.0048 ppm	0.0901 ppm	0.0027 ppm	0.0288 ppm	0.0100 ppm	0.0050 ppm	0.1019 ppm
Concentration per Run 2	0.0051 ppm	0.0928 ppm	0.0051 ppm	0.0297 ppm	0.0099 ppm	0.0050 ppm	0.0995 ppm
Concentration per Run 3	0.0048 ppm	0.0914 ppm	0.0064 ppm	0.0297 ppm	0.0099 ppm	0.0050 ppm	0.1030 ppm
Recovery Percentage 1	97.892 %	91.407 %	94.942 %	98.018 %	99.296 %	99.845 %	101.475 %
Concentration RSD	3.9 %	1.5 %	38.7 %	1.8 %	0.8 %	0.2 %	1.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0038 ppm	0.0099 ppm	0.0098 ppm	0.0095 ppm	0.0506 ppm	2.5120 ppm	0.0108 ppm
Concentration per Run 1	0.0038 ppm	0.0098 ppm	0.0093 ppm	0.0094 ppm	0.0513 ppm	2.5245 ppm	0.0110 ppm
Concentration per Run 2	0.0037 ppm	0.0101 ppm	0.0102 ppm	0.0095 ppm	0.0503 ppm	2.5044 ppm	0.0103 ppm
Concentration per Run 3	0.0039 ppm	0.0097 ppm	0.0100 ppm	0.0095 ppm	0.0501 ppm	2.5071 ppm	0.0112 ppm
Recovery Percentage 1	94.479 %	98.784 %	98.323 %	94.656 %	101.136 %	100.481 %	108.146 %
Concentration RSD	2.7 %	2.4 %	5.0 %	0.7 %	1.3 %	0.4 %	4.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1049 ppm	0.0099 ppm	0.0504 ppm	2.0075 ppm	0.0199 ppm	0.0099 ppm	0.0498 ppm
Concentration per Run 1	0.1030 ppm	0.0098 ppm	0.0507 ppm	2.0164 ppm	0.0205 ppm	0.0094 ppm	0.0505 ppm
Concentration per Run 2	0.1070 ppm	0.0099 ppm	0.0501 ppm	2.0064 ppm	0.0198 ppm	0.0103 ppm	0.0520 ppm
Concentration per Run 3	0.1045 ppm	0.0099 ppm	0.0503 ppm	1.9998 ppm	0.0193 ppm	0.0099 ppm	0.0468 ppm
Recovery Percentage 1	104.858 %	98.577 %	100.714 %	100.377 %	99.255 %	98.724 %	99.554 %
Concentration RSD	1.9 %	0.4 %	0.6 %	0.4 %	2.9 %	4.6 %	5.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0085 ppm	0.4802 ppm	0.0517 ppm	0.0099 ppm	0.0101 ppm	0.0192 ppm	0.0090 ppm
Concentration per Run 1	0.0086 ppm	0.4800 ppm	0.0516 ppm	0.0099 ppm	0.0102 ppm	0.0201 ppm	0.0091 ppm
Concentration per Run 2	0.0085 ppm	0.4788 ppm	0.0518 ppm	0.0099 ppm	0.0101 ppm	0.0185 ppm	0.0092 ppm
Concentration per Run 3	0.0084 ppm	0.4817 ppm	0.0516 ppm	0.0099 ppm	0.0100 ppm	0.0190 ppm	0.0089 ppm
Recovery Percentage 1	85.371 %	96.034 %	103.309 %	99.092 %	100.884 %	96.040 %	90.447 %
Concentration RSD	1.0 %	0.3 %	0.2 %	0.5 %	1.3 %	4.4 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0052 ppm	101.8519 %	102.0113 %	99.7820 %	100.3268 %	101.1299 %	99.8730 %
Concentration per Run 1	0.0050 ppm	101.8726 %	102.7160 %	99.0138 %	100.1546 %	101.7921 %	98.9112 %
Concentration per Run 2	0.0052 ppm	101.5437 %	102.2109 %	100.0727 %	100.1476 %	101.0642 %	99.9789 %
Concentration per Run 3	0.0054 ppm	102.1394 %	101.1070 %	100.2596 %	100.6783 %	100.5335 %	100.7290 %
Recovery Percentage 1	104.327 %						
Concentration RSD	4.0 %	0.3 %	0.8 %	0.7 %	0.3 %	0.6 %	0.9 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: ICSA
Analysis started at: 6/26/2025 7:02:51 AM
Rack 0
Vial 6
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	493.3304 ppm	-0.0001 ppm	-0.0080 ppm	0.0020 ppm	0.0000 ppm	460.0431 ppm
Concentration per Run 1	0.0015 ppm	492.2217 ppm	0.0035 ppm	-0.0076 ppm	0.0019 ppm	0.0000 ppm	461.9304 ppm
Concentration per Run 2	0.0015 ppm	495.3310 ppm	0.0010 ppm	-0.0073 ppm	0.0020 ppm	0.0000 ppm	461.9127 ppm
Concentration per Run 3	0.0011 ppm	492.4385 ppm	-0.0048 ppm	-0.0091 ppm	0.0020 ppm	0.0001 ppm	456.2862 ppm
Recovery Percentage 1	19.273 %		-1.987 %	-26.674 %	19.684 %	1.027 %	
Concentration RSD	17.8 %	0.4 %	4,281.8 %	11.9 %	3.7 %	26.0 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0045 ppm	179.1144 ppm	-0.0109 ppm	-0.0011 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0048 ppm	179.6807 ppm	-0.0168 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0041 ppm	178.9369 ppm	-0.0097 ppm	-0.0011 ppm
Concentration per Run 3	-0.0005 ppm	-0.0001 ppm	0.0003 ppm	0.0047 ppm	178.7256 ppm	-0.0061 ppm	-0.0018 ppm
Recovery Percentage 1	-4.139 %	-0.518 %	0.460 %	45.241 %		-0.435 %	-22.463 %
Concentration RSD	143.9 %	110.4 %	1,044.3 %	8.5 %	0.3 %	50.2 %	60.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	447.7514 ppm	0.0003 ppm	-0.0003 ppm	0.0148 ppm	0.0001 ppm	-0.0010 ppm	-0.0165 ppm
Concentration per Run 1	445.2989 ppm	0.0001 ppm	0.0001 ppm	0.0153 ppm	0.0005 ppm	-0.0023 ppm	-0.0175 ppm
Concentration per Run 2	449.0950 ppm	0.0004 ppm	-0.0011 ppm	0.0138 ppm	-0.0004 ppm	0.0012 ppm	-0.0168 ppm
Concentration per Run 3	448.8604 ppm	0.0004 ppm	-0.0001 ppm	0.0153 ppm	0.0001 ppm	-0.0020 ppm	-0.0153 ppm
Recovery Percentage 1		3.034 %	-0.678 %	0.739 %	0.292 %	-10.280 %	-33.076 %
Concentration RSD	0.5 %	50.3 %	196.4 %	5.9 %	613.8 %	190.6 %	7.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	0.0023 ppm	0.0001 ppm	0.0059 ppm	0.0002 ppm	0.0063 ppm	-0.0071 ppm
Concentration per Run 1	-0.0020 ppm	0.0039 ppm	-0.0006 ppm	0.0057 ppm	0.0003 ppm	0.0075 ppm	-0.0076 ppm
Concentration per Run 2	0.0003 ppm	0.0012 ppm	0.0007 ppm	0.0059 ppm	0.0002 ppm	0.0050 ppm	-0.0068 ppm
Concentration per Run 3	-0.0006 ppm	0.0018 ppm	0.0002 ppm	0.0059 ppm	0.0001 ppm	0.0065 ppm	-0.0069 ppm
Recovery Percentage 1	-7.767 %	0.465 %	0.174 %	58.600 %	2.096 %	31.559 %	-71.063 %
Concentration RSD	148.2 %	61.2 %	786.5 %	1.8 %	43.8 %	19.7 %	6.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0067 ppm	82.2447 %	87.1059 %	68.2140 %	72.7777 %	86.7024 %	79.2605 %
Concentration per Run 1	-0.0071 ppm	81.6507 %	85.9031 %	68.1857 %	71.8865 %	85.2252 %	79.1584 %
Concentration per Run 2	-0.0065 ppm	82.6849 %	87.5699 %	68.2861 %	73.5595 %	87.8684 %	79.4048 %
Concentration per Run 3	-0.0065 ppm	82.3987 %	87.8447 %	68.1703 %	72.8871 %	87.0135 %	79.2183 %
Recovery Percentage 1	-133.912 %						
Concentration RSD	4.9 %	0.6 %	1.2 %	0.1 %	1.2 %	1.6 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: SIC Multi
Analysis started at: 6/26/2025 7:06:42 AM
Rack 0
Vial 7
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0251 ppm	-0.0035 ppm	0.0018 ppm	0.0001 ppm	-0.0022 ppm	0.0139 ppm
Concentration per Run 1	-0.0009 ppm	0.0292 ppm	-0.0049 ppm	0.0016 ppm	0.0002 ppm	-0.0019 ppm	0.0126 ppm
Concentration per Run 2	-0.0006 ppm	0.0237 ppm	-0.0033 ppm	0.0027 ppm	0.0001 ppm	-0.0024 ppm	0.0135 ppm
Concentration per Run 3	-0.0005 ppm	0.0225 ppm	-0.0024 ppm	0.0012 ppm	0.0001 ppm	-0.0024 ppm	0.0155 ppm
Recovery Percentage 1	-9.545 %	25.110 %	-70.803 %	6.135 %	1.320 %	-55.615 %	13.872 %
Concentration RSD	27.7 %	14.2 %	34.8 %	41.7 %	23.9 %	11.9 %	10.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0047 ppm	**20.3424 ppm**	-0.0021 ppm	0.0171 ppm	-0.0034 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	-0.0050 ppm	20.2610 ppm	-0.0021 ppm	0.0177 ppm	-0.0057 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	-0.0050 ppm	20.4207 ppm	-0.0021 ppm	0.0166 ppm	-0.0088 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0041 ppm	20.3454 ppm	-0.0020 ppm	0.0169 ppm	0.0045 ppm	0.0007 ppm
Recovery Percentage 1	-2.653 %	-23.455 %	203,423.972 %	-21.002 %	34.109 %	-0.134 %	11.011 %
Concentration RSD	28.5 %	10.1 %	**0.4 %**	2.3 %	3.4 %	208.0 %	59.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0094 ppm	**19.3221 ppm**	-0.0012 ppm	0.0036 ppm	-0.0001 ppm	-0.0007 ppm	-0.0113 ppm
Concentration per Run 1	0.0105 ppm	19.3596 ppm	-0.0008 ppm	0.0024 ppm	0.0002 ppm	-0.0009 ppm	-0.0157 ppm
Concentration per Run 2	0.0103 ppm	19.3041 ppm	-0.0012 ppm	0.0040 ppm	-0.0003 ppm	-0.0007 ppm	-0.0096 ppm
Concentration per Run 3	0.0073 ppm	19.3024 ppm	-0.0015 ppm	0.0046 ppm	0.0000 ppm	-0.0004 ppm	-0.0087 ppm
Recovery Percentage 1	9.396 %	193,220.724 %	-2.340 %	0.182 %	-0.219 %	-6.707 %	-22.683 %
Concentration RSD	18.9 %	**0.2 %**	32.6 %	31.8 %	420.8 %	41.4 %	33.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0055 ppm	0.0234 ppm	0.0056 ppm	0.0000 ppm	**19.7998 ppm**	-0.0079 ppm	**9.3059 ppm**
Concentration per Run 1	-0.0055 ppm	-0.0133 ppm	0.0060 ppm	0.0000 ppm	19.8095 ppm	-0.0077 ppm	9.2944 ppm
Concentration per Run 2	-0.0038 ppm	0.0317 ppm	0.0051 ppm	0.0000 ppm	19.8281 ppm	-0.0073 ppm	9.2810 ppm
Concentration per Run 3	-0.0071 ppm	0.0517 ppm	0.0058 ppm	0.0001 ppm	19.7618 ppm	-0.0086 ppm	9.3422 ppm
Recovery Percentage 1	-54.791 %	4.675 %	11.253 %	0.324 %	197,998.208 %	-39.347 %	93,058.582 %
Concentration RSD	30.0 %	142.4 %	8.2 %	124.5 %	**0.2 %**	8.3 %	**0.3 %**

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	101.9298 %	101.8257 %	96.0658 %	100.1707 %	100.3042 %	100.8513 %
Concentration per Run 1	-0.0006 ppm	102.8060 %	101.3006 %	96.4959 %	101.0219 %	100.0546 %	101.3438 %
Concentration per Run 2	-0.0004 ppm	101.8431 %	101.6179 %	95.8791 %	100.4821 %	100.0717 %	100.4917 %
Concentration per Run 3	-0.0004 ppm	101.1402 %	102.5587 %	95.8223 %	99.0082 %	100.7864 %	100.7184 %
Recovery Percentage 1	-8.836 %						
Concentration RSD	25.4 %	0.8 %	0.6 %	0.4 %	1.0 %	0.4 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: LLOQ 0.005ppm As
Analysis started at: 6/26/2025 7:24:51 AM
Rack 1
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0050 ppm	0.0260 ppm	0.0041 ppm	0.0055 ppm	0.0051 ppm	0.0050 ppm	0.0075 ppm
Concentration per Run 1	0.0051 ppm	0.0270 ppm	0.0045 ppm	0.0051 ppm	0.0050 ppm	0.0050 ppm	0.0069 ppm
Concentration per Run 2	0.0051 ppm	0.0284 ppm	0.0042 ppm	0.0058 ppm	0.0051 ppm	0.0049 ppm	0.0088 ppm
Concentration per Run 3	0.0048 ppm	0.0225 ppm	0.0037 ppm	0.0057 ppm	0.0051 ppm	0.0049 ppm	0.0067 ppm
Recovery Percentage 1	100.197 %	0.000 %	82.316 %	0.000 %	0.000 %	99.228 %	0.000 %
Concentration RSD	3.8 %	12.0 %	9.8 %	7.2 %	0.3 %	0.7 %	15.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0049 ppm	0.0050 ppm	0.0051 ppm	0.0047 ppm	0.0051 ppm	0.0475 ppm	0.0059 ppm
Concentration per Run 1	0.0050 ppm	0.0051 ppm	0.0048 ppm	0.0047 ppm	0.0050 ppm	0.0473 ppm	0.0053 ppm
Concentration per Run 2	0.0050 ppm	0.0053 ppm	0.0055 ppm	0.0048 ppm	0.0052 ppm	0.0457 ppm	0.0065 ppm
Concentration per Run 3	0.0049 ppm	0.0047 ppm	0.0051 ppm	0.0046 ppm	0.0050 ppm	0.0495 ppm	0.0059 ppm
Recovery Percentage 1	98.470 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.2 %	6.0 %	6.2 %	2.3 %	2.9 %	4.0 %	10.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0083 ppm	0.0050 ppm	0.0054 ppm	0.0960 ppm	0.0056 ppm	0.0049 ppm	0.0072 ppm
Concentration per Run 1	0.0077 ppm	0.0052 ppm	0.0058 ppm	0.0967 ppm	0.0060 ppm	0.0057 ppm	0.0053 ppm
Concentration per Run 2	0.0097 ppm	0.0049 ppm	0.0053 ppm	0.0953 ppm	0.0052 ppm	0.0054 ppm	0.0076 ppm
Concentration per Run 3	0.0074 ppm	0.0049 ppm	0.0053 ppm	0.0960 ppm	0.0056 ppm	0.0034 ppm	0.0088 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	15.4 %	3.6 %	4.9 %	0.8 %	6.7 %	25.8 %	25.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	0.0512 ppm	0.0050 ppm	0.0050 ppm	0.0058 ppm	0.0049 ppm	0.0046 ppm
Concentration per Run 1	0.0050 ppm	0.0502 ppm	0.0048 ppm	0.0050 ppm	0.0057 ppm	0.0051 ppm	0.0047 ppm
Concentration per Run 2	0.0044 ppm	0.0514 ppm	0.0050 ppm	0.0050 ppm	0.0058 ppm	0.0043 ppm	0.0045 ppm
Concentration per Run 3	0.0027 ppm	0.0522 ppm	0.0053 ppm	0.0050 ppm	0.0058 ppm	0.0054 ppm	0.0047 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	28.8 %	2.0 %	5.5 %	0.4 %	0.8 %	12.0 %	2.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0054 ppm	101.2344 %	99.7354 %	101.1308 %	101.3158 %	99.4058 %	101.6436 %
Concentration per Run 1	0.0055 ppm	100.3630 %	98.5345 %	100.9423 %	100.8331 %	98.7488 %	101.5988 %
Concentration per Run 2	0.0054 ppm	101.9568 %	99.9178 %	101.0090 %	101.5819 %	99.5290 %	101.3506 %
Concentration per Run 3	0.0054 ppm	101.3834 %	100.7539 %	101.4411 %	101.5324 %	99.9394 %	101.9815 %
Recovery Percentage 1	108.653 %						
Concentration RSD	0.5 %	0.8 %	1.1 %	0.3 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: zLLOQ 0.01ppm Ni
Analysis started at: 6/26/2025 7:28:14 AM
Rack 1
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0096 ppm	0.0010 ppm	0.0085 ppm	0.0094 ppm	0.0100 ppm	0.0099 ppm	0.0107 ppm
Concentration per Run 1	0.0095 ppm	0.0007 ppm	0.0087 ppm	0.0088 ppm	0.0100 ppm	0.0099 ppm	0.0115 ppm
Concentration per Run 2	0.0095 ppm	-0.0053 ppm	0.0084 ppm	0.0097 ppm	0.0100 ppm	0.0099 ppm	0.0100 ppm
Concentration per Run 3	0.0097 ppm	0.0075 ppm	0.0085 ppm	0.0097 ppm	0.0101 ppm	0.0099 ppm	0.0106 ppm
Recovery Percentage 1	0.000 %	0.000 %	84.995 %	94.088 %	100.184 %	0.000 %	0.000 %
Concentration RSD	1.0 %	661.3 %	2.1 %	5.4 %	0.6 %	0.1 %	7.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0096 ppm	0.0101 ppm	0.0099 ppm	0.0094 ppm	0.0099 ppm	0.0943 ppm	0.0107 ppm
Concentration per Run 1	0.0096 ppm	0.0105 ppm	0.0102 ppm	0.0093 ppm	0.0104 ppm	0.1006 ppm	0.0106 ppm
Concentration per Run 2	0.0095 ppm	0.0101 ppm	0.0096 ppm	0.0094 ppm	0.0089 ppm	0.0875 ppm	0.0110 ppm
Concentration per Run 3	0.0096 ppm	0.0098 ppm	0.0100 ppm	0.0095 ppm	0.0106 ppm	0.0948 ppm	0.0104 ppm
Recovery Percentage 1	0.000 %	101.316 %	99.419 %	93.868 %	0.000 %	0.000 %	106.830 %
Concentration RSD	0.6 %	3.7 %	3.0 %	1.4 %	9.5 %	7.0 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0121 ppm	0.0098 ppm	0.0101 ppm	0.1949 ppm	0.0115 ppm	0.0108 ppm	0.0105 ppm
Concentration per Run 1	0.0131 ppm	0.0097 ppm	0.0103 ppm	0.1934 ppm	0.0115 ppm	0.0116 ppm	0.0087 ppm
Concentration per Run 2	0.0115 ppm	0.0098 ppm	0.0102 ppm	0.1936 ppm	0.0113 ppm	0.0103 ppm	0.0122 ppm
Concentration per Run 3	0.0119 ppm	0.0099 ppm	0.0098 ppm	0.1976 ppm	0.0117 ppm	0.0105 ppm	0.0105 ppm
Recovery Percentage 1	0.000 %	98.207 %	100.998 %	0.000 %	114.927 %	107.997 %	0.000 %
Concentration RSD	7.0 %	1.0 %	3.1 %	1.2 %	1.9 %	6.3 %	16.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0092 ppm	0.0996 ppm	0.0101 ppm	0.0100 ppm	0.0104 ppm	0.0102 ppm	0.0092 ppm
Concentration per Run 1	0.0093 ppm	0.0992 ppm	0.0102 ppm	0.0100 ppm	0.0105 ppm	0.0104 ppm	0.0093 ppm
Concentration per Run 2	0.0094 ppm	0.1000 ppm	0.0098 ppm	0.0099 ppm	0.0102 ppm	0.0100 ppm	0.0092 ppm
Concentration per Run 3	0.0088 ppm	0.0996 ppm	0.0104 ppm	0.0101 ppm	0.0106 ppm	0.0103 ppm	0.0091 ppm
Recovery Percentage 1	91.611 %	0.000 %	101.298 %	99.648 %	104.144 %	102.341 %	92.147 %
Concentration RSD	3.2 %	0.4 %	3.3 %	0.9 %	2.2 %	2.3 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0104 ppm	101.7971 %	101.3384 %	100.8817 %	101.6936 %	101.0139 %	101.4906 %
Concentration per Run 1	0.0102 ppm	102.0707 %	101.6949 %	101.2524 %	101.3381 %	101.6973 %	101.8692 %
Concentration per Run 2	0.0106 ppm	101.6938 %	101.0795 %	99.8252 %	101.7398 %	100.2419 %	100.2529 %
Concentration per Run 3	0.0106 ppm	101.6269 %	101.2408 %	101.5676 %	102.0027 %	101.1026 %	102.3497 %
Recovery Percentage 1	104.296 %						
Concentration RSD	2.3 %	0.2 %	0.3 %	0.9 %	0.3 %	0.7 %	1.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: IEC 500 Al -Pb -Se
Analysis started at: 6/26/2025 7:31:25 AM
Rack 1
Vial 3
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	478.7050 ppm	-0.0031 ppm	-0.0110 ppm	0.0000 ppm	0.0000 ppm	0.0087 ppm
Concentration per Run 1	0.0004 ppm	475.6103 ppm	-0.0021 ppm	-0.0120 ppm	0.0000 ppm	0.0000 ppm	0.0092 ppm
Concentration per Run 2	0.0005 ppm	479.5877 ppm	-0.0030 ppm	-0.0124 ppm	0.0000 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 3	0.0006 ppm	480.9170 ppm	-0.0041 ppm	-0.0087 ppm	0.0000 ppm	0.0000 ppm	0.0080 ppm
Recovery Percentage 1	7.150 %		-61.264 %	-36.784 %	-0.091 %	0.032 %	
Concentration RSD	11.2 %	0.6 %	33.2 %	18.6 %	67.6 %	593.8 %	7.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0004 ppm	0.0000 ppm	-0.0014 ppm	0.0019 ppm	-0.0045 ppm	0.0002 ppm
Concentration per Run 1	-0.0005 ppm	0.0005 ppm	0.0000 ppm	-0.0013 ppm	0.0013 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 2	-0.0004 ppm	0.0000 ppm	0.0005 ppm	-0.0013 ppm	0.0026 ppm	-0.0175 ppm	0.0001 ppm
Concentration per Run 3	-0.0006 ppm	0.0006 ppm	-0.0006 ppm	-0.0015 ppm	0.0017 ppm	0.0038 ppm	0.0001 ppm
Recovery Percentage 1	-10.264 %	1.783 %	-0.361 %	-13.745 %		-0.181 %	4.860 %
Concentration RSD	23.8 %	93.9 %	1,487.4 %	7.0 %	35.5 %	251.4 %	108.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0021 ppm	-0.0003 ppm	0.0009 ppm	-0.0047 ppm	-0.0002 ppm	-0.0006 ppm	-0.0067 ppm
Concentration per Run 1	0.0025 ppm	-0.0003 ppm	0.0012 ppm	-0.0060 ppm	-0.0004 ppm	-0.0010 ppm	-0.0052 ppm
Concentration per Run 2	0.0008 ppm	-0.0004 ppm	0.0006 ppm	-0.0016 ppm	-0.0004 ppm	0.0004 ppm	-0.0008 ppm
Concentration per Run 3	0.0030 ppm	-0.0003 ppm	0.0008 ppm	-0.0064 ppm	0.0002 ppm	-0.0012 ppm	-0.0141 ppm
Recovery Percentage 1		-3.094 %	1.736 %	-0.234 %	-0.871 %	-5.888 %	-13.416 %
Concentration RSD	54.7 %	16.4 %	30.8 %	56.4 %	151.0 %	153.5 %	100.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	-0.0025 ppm	-0.0024 ppm	0.0000 ppm	0.0003 ppm	0.0040 ppm	0.0002 ppm
Concentration per Run 1	0.0028 ppm	-0.0055 ppm	-0.0019 ppm	-0.0001 ppm	0.0002 ppm	0.0028 ppm	0.0003 ppm
Concentration per Run 2	-0.0018 ppm	-0.0016 ppm	-0.0025 ppm	0.0001 ppm	0.0004 ppm	0.0049 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	-0.0004 ppm	-0.0028 ppm	-0.0001 ppm	0.0002 ppm	0.0044 ppm	0.0001 ppm
Recovery Percentage 1	7.411 %	-0.501 %	-4.766 %	-0.358 %	2.722 %	20.215 %	1.801 %
Concentration RSD	310.3 %	106.4 %	18.2 %	225.8 %	31.4 %	26.3 %	46.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0023 ppm	91.9637 %	94.3627 %	85.4445 %	82.4890 %	91.5918 %	92.4011 %
Concentration per Run 1	-0.0027 ppm	91.6286 %	93.5019 %	85.1279 %	82.4511 %	90.3966 %	91.7786 %
Concentration per Run 2	-0.0021 ppm	92.2874 %	96.4096 %	85.7953 %	82.6009 %	93.2522 %	93.2355 %
Concentration per Run 3	-0.0022 ppm	91.9753 %	93.1766 %	85.4103 %	82.4151 %	91.1267 %	92.1892 %
Recovery Percentage 1	-46.594 %						
Concentration RSD	14.3 %	0.4 %	1.9 %	0.4 %	0.1 %	1.6 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: LDR 272ppm Fe pass
Analysis started at: 6/26/2025 7:35:06 AM
Rack 1
Vial 4
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0028 ppm	0.0032 ppm	-0.0026 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 1	-0.0025 ppm	0.0018 ppm	-0.0024 ppm	-0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 2	-0.0025 ppm	0.0034 ppm	-0.0034 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run 3	-0.0033 ppm	0.0043 ppm	-0.0021 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0013 ppm
Recovery Percentage 1	-39.774 %		-52.626 %	1.832 %	1.838 %	-0.256 %	
Concentration RSD	16.6 %	40.3 %	25.4 %	175.3 %	8.6 %	107.6 %	47.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	-0.0014 ppm	-0.0016 ppm	-0.0014 ppm	267.0668 ppm	-0.0486 ppm	0.0004 ppm
Concentration per Run 1	0.0021 ppm	-0.0011 ppm	-0.0018 ppm	-0.0016 ppm	268.3240 ppm	-0.0482 ppm	0.0004 ppm
Concentration per Run 2	0.0020 ppm	-0.0015 ppm	-0.0017 ppm	-0.0010 ppm	266.9903 ppm	-0.0506 ppm	0.0005 ppm
Concentration per Run 3	0.0019 ppm	-0.0016 ppm	-0.0013 ppm	-0.0017 ppm	265.8859 ppm	-0.0470 ppm	0.0002 ppm
Recovery Percentage 1	39.792 %	-7.035 %	-16.264 %	-14.407 %		-1.944 %	7.302 %
Concentration RSD	5.7 %	17.4 %	18.4 %	25.7 %	0.5 %	3.8 %	41.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0171 ppm	-0.0011 ppm	-0.0017 ppm	-0.0040 ppm	-0.0012 ppm	-0.0013 ppm	-0.0031 ppm
Concentration per Run 1	0.0181 ppm	-0.0012 ppm	-0.0019 ppm	-0.0034 ppm	-0.0016 ppm	-0.0011 ppm	-0.0036 ppm
Concentration per Run 2	0.0156 ppm	-0.0011 ppm	-0.0016 ppm	-0.0047 ppm	-0.0009 ppm	-0.0015 ppm	-0.0030 ppm
Concentration per Run 3	0.0178 ppm	-0.0011 ppm	-0.0016 ppm	-0.0038 ppm	-0.0011 ppm	-0.0013 ppm	-0.0027 ppm
Recovery Percentage 1		-11.297 %	-3.428 %	-0.200 %	-4.773 %	-12.910 %	-6.143 %
Concentration RSD	7.9 %	3.2 %	11.9 %	16.7 %	30.1 %	16.4 %	14.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0032 ppm	-0.0026 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0027 ppm
Concentration per Run 1	-0.0037 ppm	-0.0033 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0031 ppm
Concentration per Run 2	-0.0049 ppm	-0.0025 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0031 ppm
Concentration per Run 3	-0.0011 ppm	-0.0020 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0012 ppm	-0.0020 ppm
Recovery Percentage 1	-32.354 %	-0.523 %	0.244 %	1.403 %	-0.973 %	2.459 %	-27.424 %
Concentration RSD	59.9 %	26.1 %	218.4 %	11.6 %	149.8 %	122.1 %	22.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0007 ppm	99.3817 %	100.4197 %	92.3392 %	98.4680 %	98.7622 %	97.3454 %
Concentration per Run 1	-0.0006 ppm	98.8450 %	100.2521 %	92.1184 %	98.0731 %	99.2423 %	97.2617 %
Concentration per Run 2	-0.0006 ppm	99.2860 %	100.3039 %	92.1259 %	97.8122 %	98.7070 %	97.4797 %
Concentration per Run 3	-0.0008 ppm	100.0142 %	100.7031 %	92.7732 %	99.5185 %	98.3372 %	97.2949 %
Recovery Percentage 1	-13.955 %						
Concentration RSD	15.7 %	0.6 %	0.2 %	0.4 %	0.9 %	0.5 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: LDR Check
Analysis started at: 6/26/2025 7:38:47 AM
Rack 0
Vial 8
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	0.0368 ppm	6.2812 ppm	5.2075 [SIC 50]	10.0311 [SIC 30]	0.0019 ppm	0.0342 ppm
Concentration per Run 1	0.0012 ppm	0.0424 ppm	6.2445 ppm	5.2067 ppm	9.9789 ppm	0.0019 ppm	0.0329 ppm
Concentration per Run 2	0.0011 ppm	0.0306 ppm	6.3001 ppm	5.2127 ppm	10.0553 ppm	0.0019 ppm	0.0330 ppm
Concentration per Run 3	0.0010 ppm	0.0373 ppm	6.2989 ppm	5.2029 ppm	10.0592 ppm	0.0019 ppm	0.0367 ppm
Recovery Percentage 1			125.623 %	104.149 %	100.311 %		
Concentration RSD	8.8 %	16.1 %	0.5 %	0.1 %	0.5 %	1.2 %	6.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0065 ppm	0.0019 ppm	18.6697 ppm	0.0175 ppm	299.7320 ppm	4.9251 ppm
Concentration per Run 1	0.0018 ppm	0.0062 ppm	0.0015 ppm	18.6522 ppm	0.0177 ppm	295.5306 ppm	4.8605 ppm
Concentration per Run 2	0.0015 ppm	0.0068 ppm	0.0017 ppm	18.7052 ppm	0.0186 ppm	300.6751 ppm	4.9274 ppm
Concentration per Run 3	0.0015 ppm	0.0064 ppm	0.0024 ppm	18.6517 ppm	0.0163 ppm	302.9903 ppm	4.9872 ppm
Recovery Percentage 1	0.000 %	0.000 %		93.348 %		99.911 %	
Concentration RSD	9.4 %	4.7 %	25.0 %	0.2 %	6.7 %	1.3 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0094 ppm	0.0022 ppm	5.4226 [SIC 20]	445.7555 [SIC 500]	10.7844 [SIC 20]	54.0878 ppm	0.0101 ppm
Concentration per Run 1	0.0079 ppm	0.0021 ppm	5.4162 ppm	441.1510 ppm	10.7508 ppm	54.1474 ppm	0.0069 ppm
Concentration per Run 2	0.0106 ppm	0.0023 ppm	5.4296 ppm	446.3996 ppm	10.8046 ppm	54.1355 ppm	0.0102 ppm
Concentration per Run 3	0.0096 ppm	0.0022 ppm	5.4220 ppm	449.7157 ppm	10.7977 ppm	53.9804 ppm	0.0131 ppm
Recovery Percentage 1		0.000 %	108.452 %	89.151 %	107.844 %	108.176 %	0.000 %
Concentration RSD	14.7 %	4.3 %	0.1 %	1.0 %	0.3 %	0.2 %	30.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	20.8828 [SIC 200]	0.0019 ppm	0.0021 ppm	0.0042 ppm	-0.0301 ppm	0.0014 ppm
Concentration per Run 1	-0.0003 ppm	20.7612 ppm	0.0022 ppm	0.0021 ppm	0.0042 ppm	-0.0290 ppm	0.0015 ppm
Concentration per Run 2	0.0016 ppm	20.9536 ppm	0.0018 ppm	0.0021 ppm	0.0044 ppm	-0.0305 ppm	0.0012 ppm
Concentration per Run 3	0.0045 ppm	20.9337 ppm	0.0017 ppm	0.0021 ppm	0.0039 ppm	-0.0307 ppm	0.0014 ppm
Recovery Percentage 1	0.000 %	104.414 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	128.1 %	0.5 %	14.7 %	2.0 %	5.5 %	3.0 %	11.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	21.8568 [SIC 50]	87.3516 %	97.6969 %	76.4782 %	84.9532 %	95.4292 %	82.0138 %
Concentration per Run 1	21.8965 ppm	86.6459 %	98.6539 %	76.7472 %	84.5448 %	95.8592 %	82.2488 %
Concentration per Run 2	21.8620 ppm	87.4953 %	96.1930 %	76.2616 %	84.6579 %	94.1479 %	81.8235 %
Concentration per Run 3	21.8119 ppm	87.9136 %	98.2440 %	76.4260 %	85.6568 %	96.2804 %	81.9691 %
Recovery Percentage 1	109.284 %						
Concentration RSD	0.2 %	0.7 %	1.3 %	0.3 %	0.7 %	1.2 %	0.3 %

LabBook: WG2083657_06262025T9.imexp

Sample: LDR 5 As pass
Analysis started at: 6/26/2025 7:50:38 AM
Rack 1
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0049 ppm	4.8328 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 1	0.0004 ppm	-0.0050 ppm	4.8325 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run 2	0.0000 ppm	-0.0074 ppm	4.8399 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 3	0.0003 ppm	-0.0022 ppm	4.8259 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0039 ppm
Concentration RSD	98.0 %	54.1 %	0.1 %	215.3 %	278.8 %	277.1 %	19.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0004 ppm	-0.0002 ppm	0.0012 ppm	-0.0024 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0004 ppm	-0.0003 ppm	0.0010 ppm	-0.0082 ppm	0.0009 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0017 ppm	0.0047 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	-0.0004 ppm	-0.0004 ppm	0.0010 ppm	-0.0037 ppm	0.0000 ppm
Concentration RSD	44.0 %	128.0 %	22.2 %	147.2 %	33.4 %	272.1 %	128.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0017 ppm	0.0001 ppm	0.0042 ppm	0.0067 ppm	-0.0002 ppm	0.0001 ppm	0.0052 ppm
Concentration per Run 1	0.0021 ppm	0.0001 ppm	0.0046 ppm	0.0066 ppm	0.0001 ppm	-0.0005 ppm	0.0057 ppm
Concentration per Run 2	0.0013 ppm	0.0002 ppm	0.0039 ppm	0.0058 ppm	-0.0008 ppm	0.0007 ppm	0.0054 ppm
Concentration per Run 3	0.0018 ppm	0.0001 ppm	0.0042 ppm	0.0078 ppm	0.0003 ppm	0.0000 ppm	0.0046 ppm
Concentration RSD	24.9 %	5.3 %	7.3 %	14.4 %	396.7 %	864.5 %	10.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0006 ppm	0.0018 ppm	-0.0005 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0007 ppm	0.0021 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 2	-0.0007 ppm	0.0012 ppm	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	-0.0019 ppm	0.0020 ppm	-0.0008 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0000 ppm
Concentration RSD	206.8 %	26.6 %	82.2 %	67.7 %	77.3 %	382.6 %	548.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	102.7527 %	102.4413 %	102.2035 %	101.6967 %	100.9536 %	101.5254 %
Concentration per Run 1	0.0005 ppm	102.1624 %	102.4135 %	101.8669 %	101.2151 %	101.1146 %	101.1619 %
Concentration per Run 2	0.0004 ppm	102.7496 %	102.2160 %	102.1908 %	101.4013 %	100.7657 %	101.6337 %
Concentration per Run 3	0.0003 ppm	103.3462 %	102.6944 %	102.5528 %	102.4737 %	100.9805 %	101.7807 %
Concentration RSD	20.5 %	0.6 %	0.2 %	0.3 %	0.7 %	0.2 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: xLDR 400 Na
Analysis started at: 6/26/2025 7:54:01 AM
Rack 1
Vial 6
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0038 ppm	0.0019 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run 1	-0.0005 ppm	-0.0061 ppm	0.0036 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run 2	0.0003 ppm	-0.0056 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0045 ppm
Concentration RSD	559.3 %	94.7 %	78.9 %	81.1 %	22.9 %	99.2 %	13.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm	0.1216 ppm	0.0017 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0002 ppm	0.0017 ppm	0.1249 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0007 ppm	0.1162 ppm	0.0020 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.1238 ppm	0.0014 ppm
Concentration RSD	388.6 %	1,386.6 %	3,522.3 %	326.8 %	43.0 %	3.9 %	17.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0019 ppm	0.0001 ppm	0.0012 ppm	**352.1298 [SIC 500]**	0.0000 ppm	0.0003 ppm	0.0017 ppm
Concentration per Run 1	0.0032 ppm	0.0002 ppm	0.0013 ppm	350.2599 ppm	0.0000 ppm	0.0006 ppm	0.0019 ppm
Concentration per Run 2	0.0016 ppm	0.0002 ppm	0.0011 ppm	354.8198 ppm	0.0003 ppm	0.0004 ppm	0.0025 ppm
Concentration per Run 3	0.0009 ppm	0.0000 ppm	0.0012 ppm	351.3098 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm
Concentration RSD	62.0 %	122.4 %	10.1 %	0.7 %	713.2 %	69.2 %	59.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	0.0007 ppm	-0.0011 ppm	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	-0.0017 ppm	-0.0002 ppm	-0.0010 ppm	0.0000 ppm	-0.0002 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 2	-0.0014 ppm	0.0010 ppm	-0.0010 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run 3	-0.0002 ppm	0.0012 ppm	-0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm
Concentration RSD	75.1 %	114.6 %	13.1 %	359.7 %	155.8 %	126.7 %	949.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	91.7820 %	99.0434 %	82.1713 %	89.5586 %	96.8151 %	89.8752 %
Concentration per Run 1	0.0002 ppm	91.7006 %	99.1675 %	82.4385 %	89.3123 %	96.8491 %	89.9932 %
Concentration per Run 2	0.0003 ppm	92.2069 %	98.7434 %	81.9455 %	90.2065 %	96.4474 %	89.6920 %
Concentration per Run 3	0.0004 ppm	91.4386 %	99.2193 %	82.1300 %	89.1570 %	97.1489 %	89.9403 %
Concentration RSD	38.9 %	0.4 %	0.3 %	0.3 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: LDR 200 Na pass
Analysis started at: 6/26/2025 7:57:13 AM
Rack 1
Vial 7
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0072 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run 1	0.0001 ppm	-0.0081 ppm	0.0000 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run 2	-0.0002 ppm	-0.0058 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 3	0.0000 ppm	-0.0076 ppm	0.0006 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0051 ppm
Concentration RSD	228.4 %	17.1 %	79.2 %	937.8 %	1,688.0 %	446.4 %	24.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0003 ppm	-0.0002 ppm	0.0009 ppm	0.0651 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0622 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	-0.0003 ppm	-0.0002 ppm	0.0018 ppm	0.0653 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0006 ppm	0.0676 ppm	0.0009 ppm
Concentration RSD	361.4 %	130.6 %	78.3 %	29.7 %	148.5 %	4.2 %	15.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0014 ppm	0.0000 ppm	0.0009 ppm	181.4352 ppm	0.0008 ppm	-0.0003 ppm	0.0006 ppm
Concentration per Run 1	-0.0005 ppm	-0.0001 ppm	0.0011 ppm	180.6788 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0031 ppm	0.0001 ppm	0.0010 ppm	182.4612 ppm	0.0004 ppm	-0.0007 ppm	0.0018 ppm
Concentration per Run 3	0.0015 ppm	0.0000 ppm	0.0007 ppm	181.1655 ppm	0.0016 ppm	0.0001 ppm	-0.0001 ppm
Concentration RSD	133.3 %	277.5 %	24.8 %	0.5 %	83.3 %	131.2 %	156.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	-0.0017 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 1	-0.0012 ppm	-0.0019 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 2	-0.0005 ppm	-0.0017 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run 3	0.0004 ppm	-0.0016 ppm	-0.0013 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	201.4 %	10.6 %	109.2 %	179.6 %	89.0 %	55.7 %	110.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	94.9660 %	100.2187 %	87.2916 %	93.1875 %	97.9460 %	92.7246 %
Concentration per Run 1	-0.0002 ppm	94.8701 %	100.5587 %	87.2092 %	93.5466 %	98.2354 %	92.7978 %
Concentration per Run 2	-0.0002 ppm	94.6794 %	100.1808 %	87.3093 %	92.9961 %	97.9742 %	92.9618 %
Concentration per Run 3	0.0000 ppm	95.3486 %	99.9167 %	87.3562 %	93.0199 %	97.6283 %	92.4140 %
Concentration RSD	67.7 %	0.4 %	0.3 %	0.1 %	0.3 %	0.3 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 8:15:35 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4838 ppm	0.4716 ppm	0.4788 ppm	0.5011 ppm	0.5011 ppm	0.5035 ppm	0.4888 ppm
Concentration per Run 1	0.4851 ppm	0.4753 ppm	0.4800 ppm	0.4997 ppm	0.5027 ppm	0.5045 ppm	0.4889 ppm
Concentration per Run 2	0.4848 ppm	0.4710 ppm	0.4792 ppm	0.5017 ppm	0.5020 ppm	0.5032 ppm	0.4849 ppm
Concentration per Run 3	0.4816 ppm	0.4685 ppm	0.4773 ppm	0.5019 ppm	0.4986 ppm	0.5029 ppm	0.4925 ppm
Recovery Percentage 1	96.763 %	94.315 %	95.766 %	100.221 %	100.215 %	100.704 %	97.750 %
Concentration RSD	0.4 %	0.7 %	0.3 %	0.2 %	0.4 %	0.2 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4782 ppm	0.5007 ppm	0.5259 ppm	0.4867 ppm	0.4963 ppm	5.0961 ppm	0.5145 ppm
Concentration per Run 1	0.4788 ppm	0.5012 ppm	0.5249 ppm	0.4871 ppm	0.4979 ppm	5.0913 ppm	0.5146 ppm
Concentration per Run 2	0.4772 ppm	0.4980 ppm	0.5274 ppm	0.4865 ppm	0.4943 ppm	5.1310 ppm	0.5146 ppm
Concentration per Run 3	0.4787 ppm	0.5030 ppm	0.5254 ppm	0.4864 ppm	0.4966 ppm	5.0661 ppm	0.5143 ppm
Recovery Percentage 1	95.648 %	100.146 %	105.173 %	97.331 %	99.255 %	101.922 %	102.902 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.1 %	0.4 %	0.6 %	0.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5145 ppm	0.4977 ppm	0.5114 ppm	10.0875 ppm	0.5358 ppm	0.5132 ppm	0.4812 ppm
Concentration per Run 1	0.5144 ppm	0.4974 ppm	0.5112 ppm	10.0784 ppm	0.5353 ppm	0.5128 ppm	0.4806 ppm
Concentration per Run 2	0.5150 ppm	0.4984 ppm	0.5111 ppm	10.1392 ppm	0.5357 ppm	0.5113 ppm	0.4816 ppm
Concentration per Run 3	0.5142 ppm	0.4974 ppm	0.5118 ppm	10.0450 ppm	0.5364 ppm	0.5156 ppm	0.4813 ppm
Recovery Percentage 1	102.904 %	99.544 %	102.272 %	100.875 %	107.156 %	102.648 %	96.232 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.5 %	0.1 %	0.4 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4851 ppm	5.1812 ppm	0.5277 ppm	0.5056 ppm	0.5193 ppm	0.5115 ppm	0.4819 ppm
Concentration per Run 1	0.4820 ppm	5.1705 ppm	0.5296 ppm	0.5070 ppm	0.5163 ppm	0.5130 ppm	0.4846 ppm
Concentration per Run 2	0.4876 ppm	5.1961 ppm	0.5250 ppm	0.5068 ppm	0.5224 ppm	0.5120 ppm	0.4801 ppm
Concentration per Run 3	0.4857 ppm	5.1770 ppm	0.5286 ppm	0.5030 ppm	0.5191 ppm	0.5094 ppm	0.4811 ppm
Recovery Percentage 1	97.022 %	98.690 %	105.544 %	101.114 %	103.853 %	102.294 %	96.382 %
Concentration RSD	0.6 %	0.3 %	0.5 %	0.4 %	0.6 %	0.4 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5296 ppm	100.8809 %	101.1384 %	98.2541 %	99.1251 %	99.8764 %	98.9770 %
Concentration per Run 1	0.5301 ppm	100.8519 %	100.4813 %	98.2549 %	98.5752 %	99.0894 %	99.0432 %
Concentration per Run 2	0.5293 ppm	101.5698 %	101.6159 %	97.5817 %	100.1057 %	100.3010 %	98.2410 %
Concentration per Run 3	0.5294 ppm	100.2209 %	101.3180 %	98.9257 %	98.6944 %	100.2389 %	99.6469 %
Recovery Percentage 1	105.922 %						
Concentration RSD	0.1 %	0.7 %	0.6 %	0.7 %	0.9 %	0.7 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 8:18:59 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0069 ppm	-0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 1	0.0003 ppm	-0.0086 ppm	-0.0007 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 2	0.0000 ppm	-0.0045 ppm	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0076 ppm	-0.0011 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	1.153 %	-6.921 %	-12.358 %	-0.686 %	-0.160 %	0.213 %	1.641 %
Concentration RSD	201.4 %	30.8 %	79.0 %	255.3 %	143.1 %	169.5 %	94.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0002 ppm	-0.0088 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	-0.0005 ppm	-0.0002 ppm	0.0002 ppm	-0.0037 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	-0.0009 ppm	-0.0109 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0003 ppm	-0.0119 ppm	0.0000 ppm
Recovery Percentage 1	0.217 %	0.040 %	-3.478 %	-0.043 %	-0.320 %	-0.353 %	7.242 %
Concentration RSD	179.0 %	2,781.3 %	25.8 %	4,894.2 %	410.1 %	51.0 %	164.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0012 ppm	0.0001 ppm	0.0029 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 1	0.0008 ppm	0.0002 ppm	0.0031 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0022 ppm
Concentration per Run 2	0.0009 ppm	0.0001 ppm	0.0030 ppm	-0.0029 ppm	-0.0002 ppm	-0.0005 ppm	0.0026 ppm
Concentration per Run 3	0.0018 ppm	-0.0001 ppm	0.0026 ppm	0.0015 ppm	-0.0002 ppm	0.0004 ppm	-0.0020 ppm
Recovery Percentage 1	1.196 %	0.576 %	5.768 %	-0.014 %	-0.468 %	0.393 %	1.841 %
Concentration RSD	43.7 %	255.8 %	9.7 %	836.3 %	78.6 %	1,320.4 %	279.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	-0.0012 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0018 ppm	-0.0003 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	-0.0023 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	-0.0012 ppm	-0.0012 ppm	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	1.541 %	-0.249 %	-0.733 %	-0.697 %	0.095 %	0.881 %	0.453 %
Concentration RSD	997.0 %	82.3 %	36.7 %	42.2 %	1,608.0 %	163.1 %	120.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.4277 %	100.7458 %	98.6402 %	99.6846 %	101.0228 %	100.3972 %
Concentration per Run 1	0.0002 ppm	99.1750 %	101.8564 %	99.0644 %	99.8839 %	102.0556 %	101.0126 %
Concentration per Run 2	0.0001 ppm	99.7427 %	100.3987 %	98.4161 %	99.8914 %	100.5558 %	100.0854 %
Concentration per Run 3	0.0004 ppm	99.3654 %	99.9822 %	98.4401 %	99.2786 %	100.4570 %	100.0936 %
Recovery Percentage 1	4.767 %						
Concentration RSD	70.0 %	0.3 %	1.0 %	0.4 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083385-1 WG2083385
Analysis started at: 6/26/2025 8:43:31 AM
Rack 1
Vial 8
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0074 ppm	-0.0008 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0086 ppm
Concentration per Run 1	0.0004 ppm	-0.0055 ppm	-0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run 2	0.0003 ppm	-0.0080 ppm	-0.0014 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 3	-0.0002 ppm	-0.0088 ppm	-0.0004 ppm	-0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0101 ppm
Recovery Percentage 1	2.025 %	-7.449 %	-15.902 %	-2.776 %	-0.032 %	0.364 %	8.591 %
Concentration RSD	239.8 %	23.7 %	66.3 %	132.0 %	2,726.9 %	60.4 %	16.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0069 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	-0.0003 ppm	-0.0068 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0066 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	-0.0074 ppm	0.0005 ppm
Recovery Percentage 1	0.339 %	0.935 %	-3.229 %	0.007 %	0.132 %	-0.277 %	11.405 %
Concentration RSD	366.7 %	98.5 %	55.6 %	24,292.1 %	430.0 %	6.0 %	74.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0014 ppm	0.0000 ppm	0.0003 ppm	-0.0014 ppm	-0.0001 ppm	-0.0007 ppm	0.0030 ppm
Concentration per Run 1	0.0013 ppm	-0.0001 ppm	0.0000 ppm	-0.0006 ppm	-0.0010 ppm	-0.0011 ppm	0.0026 ppm
Concentration per Run 2	0.0012 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	0.0005 ppm	-0.0001 ppm	0.0042 ppm
Concentration per Run 3	0.0017 ppm	0.0000 ppm	0.0004 ppm	-0.0047 ppm	0.0002 ppm	-0.0008 ppm	0.0022 ppm
Recovery Percentage 1	1.413 %	-0.207 %	0.566 %	-0.070 %	-0.493 %	-6.691 %	6.030 %
Concentration RSD	19.5 %	363.9 %	73.1 %	215.3 %	632.4 %	76.6 %	35.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0073 ppm	-0.0009 ppm	0.0000 ppm	-0.0003 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0070 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run 2	0.0005 ppm	0.0065 ppm	-0.0014 ppm	0.0000 ppm	-0.0004 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 3	-0.0010 ppm	0.0084 ppm	-0.0007 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm	-0.0003 ppm
Recovery Percentage 1	-2.128 %	1.460 %	-1.768 %	-0.359 %	-2.905 %	3.081 %	-2.258 %
Concentration RSD	351.2 %	13.0 %	48.1 %	6.8 %	52.8 %	54.3 %	53.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	103.0753 %	103.2108 %	101.4519 %	103.3313 %	103.0449 %	102.5210 %
Concentration per Run 1	-0.0004 ppm	103.2782 %	102.8578 %	101.8988 %	102.5139 %	102.6957 %	103.1184 %
Concentration per Run 2	-0.0001 ppm	102.9802 %	102.6792 %	101.4141 %	103.6289 %	102.6338 %	102.3465 %
Concentration per Run 3	-0.0004 ppm	102.9676 %	104.0955 %	101.0428 %	103.8512 %	103.8053 %	102.0982 %
Recovery Percentage 1	-5.410 %						
Concentration RSD	69.0 %	0.2 %	0.7 %	0.4 %	0.7 %	0.6 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083385-2 WG2083385
Analysis started at: 6/26/2025 8:46:49 AM
Rack 1
Vial 9
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0519 ppm	2.2199 ppm	0.1171 ppm	0.9665 ppm	2.2159 ppm	0.0544 ppm	9.5242 ppm
Concentration per Run 1	0.0526 ppm	2.2314 ppm	0.1175 ppm	0.9711 ppm	2.2157 ppm	0.0542 ppm	9.5736 ppm
Concentration per Run 2	0.0515 ppm	2.2151 ppm	0.1181 ppm	0.9569 ppm	2.2140 ppm	0.0543 ppm	9.5228 ppm
Concentration per Run 3	0.0517 ppm	2.2131 ppm	0.1159 ppm	0.9716 ppm	2.2179 ppm	0.0546 ppm	9.4762 ppm
Concentration RSD	1.2 %	0.5 %	1.0 %	0.9 %	0.1 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0486 ppm	0.5269 ppm	0.2229 ppm	0.2591 ppm	1.0826 ppm	10.4296 ppm	0.0003 ppm
Concentration per Run 1	0.0486 ppm	0.5282 ppm	0.2227 ppm	0.2607 ppm	1.0832 ppm	10.4738 ppm	0.0004 ppm
Concentration per Run 2	0.0488 ppm	0.5256 ppm	0.2219 ppm	0.2585 ppm	1.0805 ppm	10.5334 ppm	0.0000 ppm
Concentration per Run 3	0.0484 ppm	0.5270 ppm	0.2241 ppm	0.2580 ppm	1.0841 ppm	10.2815 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.2 %	0.5 %	0.5 %	0.2 %	1.3 %	89.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0261 ppm	0.5288 ppm	0.9792 ppm	10.4299 ppm	0.5703 ppm	0.5203 ppm	0.3808 ppm
Concentration per Run 1	10.0122 ppm	0.5316 ppm	0.9749 ppm	10.4267 ppm	0.5716 ppm	0.5186 ppm	0.3777 ppm
Concentration per Run 2	9.9632 ppm	0.5260 ppm	0.9757 ppm	10.5629 ppm	0.5619 ppm	0.5232 ppm	0.3799 ppm
Concentration per Run 3	10.1028 ppm	0.5289 ppm	0.9871 ppm	10.3001 ppm	0.5773 ppm	0.5191 ppm	0.3849 ppm
Concentration RSD	0.7 %	0.5 %	0.7 %	1.3 %	1.4 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1160 ppm	1.1108 ppm	0.9900 ppm	0.9729 ppm	1.0099 ppm	0.1179 ppm	0.5285 ppm
Concentration per Run 1	0.1157 ppm	1.1093 ppm	0.9919 ppm	0.9753 ppm	1.0075 ppm	0.1176 ppm	0.5322 ppm
Concentration per Run 2	0.1143 ppm	1.1106 ppm	0.9843 ppm	0.9715 ppm	1.0065 ppm	0.1182 ppm	0.5251 ppm
Concentration per Run 3	0.1179 ppm	1.1125 ppm	0.9937 ppm	0.9720 ppm	1.0158 ppm	0.1180 ppm	0.5283 ppm
Concentration RSD	1.6 %	0.1 %	0.5 %	0.2 %	0.5 %	0.3 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5710 ppm	100.0811 %	102.3631 %	96.7064 %	98.5645 %	100.5876 %	98.5295 %
Concentration per Run 1	0.5740 ppm	99.8163 %	102.5316 %	96.8161 %	97.3081 %	101.2334 %	98.7721 %
Concentration per Run 2	0.5633 ppm	100.1727 %	102.5658 %	96.1762 %	98.9036 %	100.8954 %	98.1636 %
Concentration per Run 3	0.5757 ppm	100.2544 %	101.9919 %	97.1270 %	99.4818 %	99.6341 %	98.6527 %
Concentration RSD	1.2 %	0.2 %	0.3 %	0.5 %	1.1 %	0.8 %	0.3 %

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-09 WG2083385
Analysis started at: 6/26/2025 8:50:02 AM
Rack 1
Vial 15
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0046 ppm	0.0004 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run 1	-0.0001 ppm	-0.0062 ppm	0.0003 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0071 ppm
Concentration per Run 2	-0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0094 ppm
Concentration per Run 3	-0.0001 ppm	-0.0071 ppm	0.0003 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0075 ppm
Concentration RSD	31.8 %	75.9 %	52.2 %	43.5 %	69.1 %	297.7 %	15.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0013 ppm	-0.0121 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0001 ppm	0.0019 ppm	-0.0110 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0009 ppm	-0.0106 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0148 ppm	0.0001 ppm
Concentration RSD	81.7 %	481.1 %	89.6 %	170.5 %	42.5 %	18.9 %	128.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0027 ppm	0.0002 ppm	0.0066 ppm	-0.0006 ppm	-0.0003 ppm	-0.0007 ppm	0.0147 ppm
Concentration per Run 1	0.0031 ppm	0.0002 ppm	0.0069 ppm	0.0001 ppm	-0.0003 ppm	-0.0007 ppm	0.0162 ppm
Concentration per Run 2	0.0029 ppm	0.0002 ppm	0.0066 ppm	-0.0012 ppm	-0.0004 ppm	-0.0006 ppm	0.0134 ppm
Concentration per Run 3	0.0022 ppm	0.0002 ppm	0.0063 ppm	-0.0008 ppm	-0.0002 ppm	-0.0007 ppm	0.0146 ppm
Concentration RSD	15.8 %	9.0 %	4.5 %	103.9 %	41.7 %	14.5 %	9.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	0.0095 ppm	0.0061 ppm	0.0000 ppm	0.0005 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0002 ppm	0.0089 ppm	0.0061 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0008 ppm	0.0097 ppm	0.0062 ppm	0.0000 ppm	0.0005 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0012 ppm	0.0098 ppm	0.0059 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm	-0.0002 ppm
Concentration RSD	496.8 %	5.1 %	2.8 %	426.3 %	2.6 %	358.3 %	150.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	102.0317 %	103.1868 %	101.2537 %	102.2146 %	102.7793 %	101.6624 %
Concentration per Run 1	0.0001 ppm	101.3836 %	103.0660 %	100.8507 %	101.5625 %	102.6480 %	101.6271 %
Concentration per Run 2	0.0000 ppm	102.5062 %	103.4418 %	101.3230 %	102.8898 %	103.0587 %	101.5425 %
Concentration per Run 3	0.0000 ppm	102.2052 %	103.0526 %	101.5874 %	102.1915 %	102.6314 %	101.8175 %
Concentration RSD	259.9 %	0.6 %	0.2 %	0.4 %	0.6 %	0.2 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-10 WG2083385
Analysis started at: 6/26/2025 8:54:13 AM
Rack 1
Vial 16
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.7041 ppm	0.0003 ppm	0.0304 ppm	0.0837 ppm	0.0003 ppm	12.0864 ppm
Concentration per Run 1	-0.0002 ppm	0.7062 ppm	-0.0007 ppm	0.0309 ppm	0.0835 ppm	0.0004 ppm	12.1186 ppm
Concentration per Run 2	-0.0003 ppm	0.6972 ppm	0.0009 ppm	0.0299 ppm	0.0835 ppm	0.0003 ppm	12.0683 ppm
Concentration per Run 3	-0.0001 ppm	0.7088 ppm	0.0007 ppm	0.0303 ppm	0.0840 ppm	0.0003 ppm	12.0723 ppm
Concentration RSD	52.0 %	0.9 %	315.3 %	1.6 %	0.4 %	1.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0109 ppm	0.1866 ppm	0.0078 ppm	0.6373 ppm	4.3492 ppm	0.0043 ppm
Concentration per Run 1	0.0002 ppm	0.0110 ppm	0.1869 ppm	0.0079 ppm	0.6402 ppm	4.3070 ppm	0.0048 ppm
Concentration per Run 2	0.0002 ppm	0.0110 ppm	0.1878 ppm	0.0077 ppm	0.6356 ppm	4.3904 ppm	0.0044 ppm
Concentration per Run 3	0.0003 ppm	0.0108 ppm	0.1850 ppm	0.0079 ppm	0.6360 ppm	4.3504 ppm	0.0037 ppm
Concentration RSD	31.7 %	1.2 %	0.7 %	1.3 %	0.4 %	1.0 %	12.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.6927 ppm	0.1663 ppm	0.0013 ppm	76.6410 ppm	0.0146 ppm	0.0022 ppm	0.0025 ppm
Concentration per Run 1	6.6848 ppm	0.1668 ppm	0.0012 ppm	75.8917 ppm	0.0151 ppm	0.0025 ppm	0.0029 ppm
Concentration per Run 2	6.7191 ppm	0.1662 ppm	0.0009 ppm	77.3007 ppm	0.0137 ppm	0.0017 ppm	0.0008 ppm
Concentration per Run 3	6.6741 ppm	0.1658 ppm	0.0017 ppm	76.7307 ppm	0.0151 ppm	0.0024 ppm	0.0038 ppm
Concentration RSD	0.4 %	0.3 %	31.7 %	0.9 %	5.4 %	21.0 %	61.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	2.6788 ppm	0.0003 ppm	0.0938 ppm	0.0217 ppm	-0.0003 ppm	0.0027 ppm
Concentration per Run 1	0.0026 ppm	2.6765 ppm	-0.0001 ppm	0.0933 ppm	0.0223 ppm	-0.0006 ppm	0.0025 ppm
Concentration per Run 2	-0.0002 ppm	2.6885 ppm	0.0008 ppm	0.0941 ppm	0.0237 ppm	-0.0007 ppm	0.0029 ppm
Concentration per Run 3	-0.0011 ppm	2.6713 ppm	0.0003 ppm	0.0939 ppm	0.0190 ppm	0.0005 ppm	0.0027 ppm
Concentration RSD	464.8 %	0.3 %	130.9 %	0.4 %	11.1 %	272.5 %	6.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0493 ppm	99.3215 %	101.4512 %	94.0053 %	98.0664 %	100.0834 %	97.3510 %
Concentration per Run 1	0.0491 ppm	99.6614 %	100.7715 %	93.6690 %	98.7037 %	99.2397 %	97.1440 %
Concentration per Run 2	0.0502 ppm	98.3424 %	101.9074 %	93.9946 %	96.9678 %	100.7676 %	97.1437 %
Concentration per Run 3	0.0487 ppm	99.9607 %	101.6746 %	94.3523 %	98.5278 %	100.2431 %	97.7654 %
Concentration RSD	1.6 %	0.9 %	0.6 %	0.4 %	1.0 %	0.8 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-11 WG2083385
Analysis started at: 6/26/2025 8:57:24 AM
Rack 1
Vial 17
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.6294 ppm	0.0002 ppm	0.0500 ppm	0.0356 ppm	0.0001 ppm	7.9890 ppm
Concentration per Run 1	-0.0004 ppm	0.6310 ppm	-0.0011 ppm	0.0491 ppm	0.0359 ppm	0.0001 ppm	8.0219 ppm
Concentration per Run 2	0.0001 ppm	0.6278 ppm	0.0015 ppm	0.0490 ppm	0.0352 ppm	0.0001 ppm	7.9623 ppm
Concentration per Run 3	-0.0001 ppm	0.6292 ppm	0.0002 ppm	0.0517 ppm	0.0356 ppm	0.0001 ppm	7.9828 ppm
Concentration RSD	179.9 %	0.3 %	585.5 %	3.0 %	0.9 %	4.9 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0027 ppm	0.0457 ppm	0.0046 ppm	0.8470 ppm	3.5762 ppm	0.0028 ppm
Concentration per Run 1	0.0001 ppm	0.0033 ppm	0.0461 ppm	0.0047 ppm	0.8495 ppm	3.6392 ppm	0.0028 ppm
Concentration per Run 2	0.0002 ppm	0.0027 ppm	0.0456 ppm	0.0047 ppm	0.8420 ppm	3.5326 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	0.0020 ppm	0.0454 ppm	0.0045 ppm	0.8495 ppm	3.5569 ppm	0.0028 ppm
Concentration RSD	15.7 %	24.7 %	0.8 %	2.8 %	0.5 %	1.6 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.4435 ppm	0.0624 ppm	0.0009 ppm	26.6099 ppm	0.0042 ppm	0.0026 ppm	0.0034 ppm
Concentration per Run 1	2.4463 ppm	0.0630 ppm	0.0008 ppm	26.7735 ppm	0.0045 ppm	0.0022 ppm	0.0030 ppm
Concentration per Run 2	2.4379 ppm	0.0620 ppm	0.0008 ppm	26.5926 ppm	0.0041 ppm	0.0029 ppm	0.0031 ppm
Concentration per Run 3	2.4462 ppm	0.0623 ppm	0.0011 ppm	26.4636 ppm	0.0042 ppm	0.0028 ppm	0.0042 ppm
Concentration RSD	0.2 %	0.7 %	21.6 %	0.6 %	5.0 %	14.8 %	20.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	2.2991 ppm	-0.0001 ppm	0.0566 ppm	0.0157 ppm	0.0002 ppm	0.0021 ppm
Concentration per Run 1	0.0011 ppm	2.3110 ppm	-0.0009 ppm	0.0569 ppm	0.0149 ppm	0.0002 ppm	0.0022 ppm
Concentration per Run 2	0.0011 ppm	2.2956 ppm	0.0003 ppm	0.0563 ppm	0.0170 ppm	0.0001 ppm	0.0021 ppm
Concentration per Run 3	-0.0015 ppm	2.2908 ppm	0.0002 ppm	0.0565 ppm	0.0150 ppm	0.0002 ppm	0.0020 ppm
Concentration RSD	655.6 %	0.5 %	596.9 %	0.6 %	7.5 %	12.0 %	4.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0281 ppm	100.9144 %	102.8214 %	97.9236 %	100.3448 %	101.5034 %	99.5117 %
Concentration per Run 1	0.0283 ppm	100.9189 %	102.4605 %	97.6868 %	100.5379 %	101.7119 %	99.4830 %
Concentration per Run 2	0.0277 ppm	100.6774 %	103.8430 %	97.5786 %	100.0020 %	102.1425 %	99.3311 %
Concentration per Run 3	0.0284 ppm	101.1468 %	102.1608 %	98.5055 %	100.4944 %	100.6558 %	99.7209 %
Concentration RSD	1.5 %	0.2 %	0.9 %	0.5 %	0.3 %	0.8 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-08 WG2083385
Analysis started at: 6/26/2025 9:00:36 AM
Rack 1
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.2355 ppm	-0.0005 ppm	0.0602 ppm	0.0844 ppm	0.0001 ppm	10.4804 ppm
Concentration per Run 1	-0.0001 ppm	0.2409 ppm	0.0001 ppm	0.0601 ppm	0.0848 ppm	0.0001 ppm	10.5060 ppm
Concentration per Run 2	0.0001 ppm	0.2328 ppm	-0.0012 ppm	0.0607 ppm	0.0841 ppm	0.0001 ppm	10.4400 ppm
Concentration per Run 3	-0.0003 ppm	0.2328 ppm	-0.0003 ppm	0.0597 ppm	0.0844 ppm	0.0001 ppm	10.4951 ppm
Concentration RSD	154.9 %	2.0 %	144.3 %	0.9 %	0.4 %	18.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0186 ppm	0.1125 ppm	0.0027 ppm	0.1022 ppm	4.7414 ppm	0.0029 ppm
Concentration per Run 1	0.0001 ppm	0.0185 ppm	0.1123 ppm	0.0027 ppm	0.1036 ppm	4.7911 ppm	0.0033 ppm
Concentration per Run 2	0.0001 ppm	0.0185 ppm	0.1123 ppm	0.0028 ppm	0.1005 ppm	4.7158 ppm	0.0031 ppm
Concentration per Run 3	0.0001 ppm	0.0189 ppm	0.1130 ppm	0.0026 ppm	0.1026 ppm	4.7172 ppm	0.0022 ppm
Concentration RSD	45.9 %	1.1 %	0.3 %	4.2 %	1.6 %	0.9 %	20.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.2491 ppm	0.4117 ppm	0.0008 ppm	28.6485 ppm	0.0117 ppm	-0.0005 ppm	0.0031 ppm
Concentration per Run 1	7.2467 ppm	0.4116 ppm	0.0006 ppm	28.6214 ppm	0.0117 ppm	-0.0003 ppm	0.0043 ppm
Concentration per Run 2	7.2143 ppm	0.4110 ppm	0.0010 ppm	28.7710 ppm	0.0122 ppm	-0.0008 ppm	0.0024 ppm
Concentration per Run 3	7.2862 ppm	0.4125 ppm	0.0008 ppm	28.5531 ppm	0.0112 ppm	-0.0005 ppm	0.0026 ppm
Concentration RSD	0.5 %	0.2 %	27.6 %	0.4 %	3.9 %	44.2 %	33.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	2.0461 ppm	-0.0005 ppm	0.0874 ppm	0.0086 ppm	-0.0004 ppm	0.0042 ppm
Concentration per Run 1	0.0023 ppm	2.0532 ppm	-0.0003 ppm	0.0874 ppm	0.0077 ppm	-0.0004 ppm	0.0041 ppm
Concentration per Run 2	0.0017 ppm	2.0309 ppm	0.0000 ppm	0.0875 ppm	0.0090 ppm	-0.0002 ppm	0.0042 ppm
Concentration per Run 3	0.0012 ppm	2.0541 ppm	-0.0012 ppm	0.0874 ppm	0.0091 ppm	-0.0005 ppm	0.0043 ppm
Concentration RSD	30.8 %	0.6 %	118.6 %	0.1 %	9.0 %	47.3 %	2.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0122 ppm	100.6983 %	102.7771 %	97.5836 %	100.5003 %	102.3267 %	100.5907 %
Concentration per Run 1	0.0122 ppm	101.1804 %	102.1107 %	97.7198 %	100.6541 %	101.5585 %	100.6699 %
Concentration per Run 2	0.0119 ppm	100.5524 %	103.5983 %	97.5320 %	100.5859 %	103.1728 %	100.5454 %
Concentration per Run 3	0.0124 ppm	100.3620 %	102.6223 %	97.4990 %	100.2608 %	102.2487 %	100.5566 %
Concentration RSD	2.3 %	0.4 %	0.7 %	0.1 %	0.2 %	0.8 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083385-3 WG2083385
Analysis started at: 6/26/2025 9:03:49 AM
Rack 1
Vial 11
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0521 ppm	2.5691 ppm	0.1232 ppm	1.0695 ppm	2.2887 ppm	0.0552 ppm	20.2432 ppm
Concentration per Run 1	0.0520 ppm	2.5717 ppm	0.1239 ppm	1.0714 ppm	2.2990 ppm	0.0554 ppm	20.2497 ppm
Concentration per Run 2	0.0526 ppm	2.5687 ppm	0.1226 ppm	1.0690 ppm	2.2877 ppm	0.0552 ppm	20.2460 ppm
Concentration per Run 3	0.0517 ppm	2.5670 ppm	0.1231 ppm	1.0683 ppm	2.2793 ppm	0.0550 ppm	20.2339 ppm
Concentration RSD	0.9 %	0.1 %	0.5 %	0.2 %	0.4 %	0.4 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0494 ppm	0.5469 ppm	0.3412 ppm	0.2615 ppm	1.1737 ppm	15.4045 ppm	0.0033 ppm
Concentration per Run 1	0.0492 ppm	0.5453 ppm	0.3414 ppm	0.2606 ppm	1.1755 ppm	15.3715 ppm	0.0029 ppm
Concentration per Run 2	0.0495 ppm	0.5472 ppm	0.3417 ppm	0.2626 ppm	1.1751 ppm	15.4924 ppm	0.0032 ppm
Concentration per Run 3	0.0495 ppm	0.5482 ppm	0.3405 ppm	0.2612 ppm	1.1705 ppm	15.3495 ppm	0.0039 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.4 %	0.2 %	0.5 %	15.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.3827 ppm	0.9476 ppm	0.9932 ppm	39.4128 ppm	0.5798 ppm	0.5270 ppm	0.3955 ppm
Concentration per Run 1	17.4042 ppm	0.9465 ppm	0.9870 ppm	39.3942 ppm	0.5821 ppm	0.5293 ppm	0.3951 ppm
Concentration per Run 2	17.4154 ppm	0.9495 ppm	0.9931 ppm	39.5213 ppm	0.5798 ppm	0.5249 ppm	0.3939 ppm
Concentration per Run 3	17.3286 ppm	0.9470 ppm	0.9994 ppm	39.3228 ppm	0.5776 ppm	0.5267 ppm	0.3976 ppm
Concentration RSD	0.3 %	0.2 %	0.6 %	0.3 %	0.4 %	0.4 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1227 ppm	3.3721 ppm	0.9808 ppm	1.0664 ppm	1.0343 ppm	0.1173 ppm	0.5376 ppm
Concentration per Run 1	0.1215 ppm	3.3670 ppm	0.9787 ppm	1.0714 ppm	1.0345 ppm	0.1174 ppm	0.5365 ppm
Concentration per Run 2	0.1250 ppm	3.3720 ppm	0.9793 ppm	1.0636 ppm	1.0371 ppm	0.1173 ppm	0.5382 ppm
Concentration per Run 3	0.1216 ppm	3.3773 ppm	0.9843 ppm	1.0642 ppm	1.0314 ppm	0.1171 ppm	0.5381 ppm
Concentration RSD	1.6 %	0.2 %	0.3 %	0.4 %	0.3 %	0.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5905 ppm	98.2541 %	101.3207 %	93.1709 %	97.3600 %	101.4627 %	97.5445 %
Concentration per Run 1	0.5911 ppm	98.4295 %	101.1650 %	93.6569 %	97.6201 %	101.6571 %	97.7715 %
Concentration per Run 2	0.5896 ppm	98.4068 %	101.0941 %	92.7631 %	97.3766 %	100.9105 %	97.3080 %
Concentration per Run 3	0.5907 ppm	97.9261 %	101.7031 %	93.0926 %	97.0834 %	101.8205 %	97.5539 %
Concentration RSD	0.1 %	0.3 %	0.3 %	0.5 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083385-4 WG2083385
Analysis started at: 6/26/2025 9:07:02 AM
Rack 1
Vial 12
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.2296 ppm	-0.0009 ppm	0.0609 ppm	0.0865 ppm	0.0001 ppm	11.1650 ppm
Concentration per Run 1	-0.0002 ppm	0.2343 ppm	-0.0008 ppm	0.0612 ppm	0.0865 ppm	0.0001 ppm	11.1596 ppm
Concentration per Run 2	0.0001 ppm	0.2264 ppm	-0.0009 ppm	0.0617 ppm	0.0863 ppm	0.0001 ppm	11.1540 ppm
Concentration per Run 3	0.0003 ppm	0.2283 ppm	-0.0009 ppm	0.0598 ppm	0.0866 ppm	0.0001 ppm	11.1814 ppm
Concentration RSD	575.8 %	1.8 %	3.9 %	1.6 %	0.2 %	21.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0190 ppm	0.1153 ppm	0.0029 ppm	0.1054 ppm	4.8481 ppm	0.0036 ppm
Concentration per Run 1	0.0001 ppm	0.0187 ppm	0.1156 ppm	0.0029 ppm	0.1066 ppm	4.8443 ppm	0.0039 ppm
Concentration per Run 2	0.0002 ppm	0.0194 ppm	0.1147 ppm	0.0030 ppm	0.1047 ppm	4.8471 ppm	0.0034 ppm
Concentration per Run 3	0.0000 ppm	0.0187 ppm	0.1155 ppm	0.0028 ppm	0.1049 ppm	4.8529 ppm	0.0033 ppm
Concentration RSD	96.9 %	2.1 %	0.4 %	4.7 %	1.0 %	0.1 %	9.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.3405 ppm	0.4200 ppm	0.0076 ppm	29.4143 ppm	0.0112 ppm	-0.0002 ppm	0.0133 ppm
Concentration per Run 1	7.3335 ppm	0.4208 ppm	0.0079 ppm	29.3766 ppm	0.0114 ppm	-0.0007 ppm	0.0139 ppm
Concentration per Run 2	7.2919 ppm	0.4188 ppm	0.0073 ppm	29.4690 ppm	0.0111 ppm	-0.0006 ppm	0.0137 ppm
Concentration per Run 3	7.3961 ppm	0.4202 ppm	0.0076 ppm	29.3972 ppm	0.0112 ppm	0.0005 ppm	0.0121 ppm
Concentration RSD	0.7 %	0.2 %	3.9 %	0.2 %	1.5 %	297.7 %	7.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0006 ppm	2.0777 ppm	0.0075 ppm	0.0897 ppm	0.0093 ppm	-0.0002 ppm	0.0043 ppm
Concentration per Run 1	-0.0009 ppm	2.0808 ppm	0.0078 ppm	0.0897 ppm	0.0091 ppm	0.0002 ppm	0.0044 ppm
Concentration per Run 2	-0.0002 ppm	2.0800 ppm	0.0074 ppm	0.0896 ppm	0.0095 ppm	-0.0008 ppm	0.0042 ppm
Concentration per Run 3	-0.0006 ppm	2.0725 ppm	0.0072 ppm	0.0899 ppm	0.0094 ppm	0.0000 ppm	0.0043 ppm
Concentration RSD	57.7 %	0.2 %	4.0 %	0.2 %	2.4 %	314.0 %	1.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0127 ppm	100.3261 %	102.3768 %	96.8109 %	100.1081 %	102.5699 %	99.9767 %
Concentration per Run 1	0.0127 ppm	100.3048 %	102.5499 %	97.5414 %	99.7765 %	102.9720 %	100.6679 %
Concentration per Run 2	0.0129 ppm	100.4661 %	102.1702 %	95.8355 %	100.5460 %	102.2467 %	99.0731 %
Concentration per Run 3	0.0126 ppm	100.2074 %	102.4103 %	97.0558 %	100.0017 %	102.4912 %	100.1892 %
Concentration RSD	1.1 %	0.1 %	0.2 %	0.9 %	0.4 %	0.4 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083385-5 WG2083385
Analysis started at: 6/26/2025 9:10:16 AM
Rack 1
Vial 13
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0489 ppm	2.3218 ppm	0.1176 ppm	1.0251 ppm	2.1571 ppm	0.0518 ppm	19.2932 ppm
Concentration per Run 1	0.0491 ppm	2.3259 ppm	0.1162 ppm	1.0266 ppm	2.1648 ppm	0.0518 ppm	19.2474 ppm
Concentration per Run 2	0.0490 ppm	2.3192 ppm	0.1185 ppm	1.0244 ppm	2.1523 ppm	0.0519 ppm	19.2830 ppm
Concentration per Run 3	0.0485 ppm	2.3203 ppm	0.1182 ppm	1.0244 ppm	2.1543 ppm	0.0516 ppm	19.3491 ppm
Concentration RSD	0.7 %	0.2 %	1.1 %	0.1 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0461 ppm	0.5097 ppm	0.3181 ppm	0.2439 ppm	1.1126 ppm	14.9641 ppm	0.0036 ppm
Concentration per Run 1	0.0459 ppm	0.5074 ppm	0.3178 ppm	0.2449 ppm	1.1131 ppm	15.0488 ppm	0.0040 ppm
Concentration per Run 2	0.0460 ppm	0.5094 ppm	0.3187 ppm	0.2433 ppm	1.1138 ppm	14.9102 ppm	0.0033 ppm
Concentration per Run 3	0.0463 ppm	0.5122 ppm	0.3179 ppm	0.2435 ppm	1.1111 ppm	14.9332 ppm	0.0035 ppm
Concentration RSD	0.4 %	0.5 %	0.2 %	0.3 %	0.1 %	0.5 %	10.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.6073 ppm	0.8987 ppm	0.9554 ppm	38.1709 ppm	0.5392 ppm	0.5059 ppm	0.2912 ppm
Concentration per Run 1	16.6442 ppm	0.8949 ppm	0.9473 ppm	38.2129 ppm	0.5386 ppm	0.5074 ppm	0.2839 ppm
Concentration per Run 2	16.6158 ppm	0.8975 ppm	0.9557 ppm	38.1727 ppm	0.5397 ppm	0.5056 ppm	0.2905 ppm
Concentration per Run 3	16.5618 ppm	0.9038 ppm	0.9633 ppm	38.1271 ppm	0.5392 ppm	0.5048 ppm	0.2990 ppm
Concentration RSD	0.3 %	0.5 %	0.8 %	0.1 %	0.1 %	0.3 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1154 ppm	2.6889 ppm	0.9691 ppm	1.0279 ppm	1.0019 ppm	0.1139 ppm	0.4994 ppm
Concentration per Run 1	0.1164 ppm	2.6788 ppm	0.9648 ppm	1.0312 ppm	1.0050 ppm	0.1138 ppm	0.4992 ppm
Concentration per Run 2	0.1145 ppm	2.6872 ppm	0.9701 ppm	1.0246 ppm	1.0033 ppm	0.1140 ppm	0.5015 ppm
Concentration per Run 3	0.1153 ppm	2.7008 ppm	0.9724 ppm	1.0280 ppm	0.9973 ppm	0.1140 ppm	0.4975 ppm
Concentration RSD	0.8 %	0.4 %	0.4 %	0.3 %	0.4 %	0.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5459 ppm	99.3308 %	102.1611 %	93.2909 %	98.7918 %	101.8177 %	97.5956 %
Concentration per Run 1	0.5439 ppm	99.2197 %	102.3121 %	93.7268 %	98.4898 %	101.9782 %	98.1862 %
Concentration per Run 2	0.5480 ppm	99.4587 %	102.3899 %	93.5955 %	98.6306 %	102.0081 %	97.9166 %
Concentration per Run 3	0.5457 ppm	99.3139 %	101.7814 %	92.5503 %	99.2551 %	101.4669 %	96.6841 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.7 %	0.4 %	0.3 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083385-6D5 WG2083385
Analysis started at: 6/26/2025 9:13:26 AM
Rack 1
Vial 14
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0385 ppm	-0.0007 ppm	0.0125 ppm	0.0169 ppm	0.0000 ppm	2.0880 ppm
Concentration per Run 1	0.0001 ppm	0.0375 ppm	-0.0007 ppm	0.0119 ppm	0.0169 ppm	0.0000 ppm	2.0734 ppm
Concentration per Run 2	-0.0001 ppm	0.0405 ppm	-0.0012 ppm	0.0120 ppm	0.0169 ppm	0.0000 ppm	2.0929 ppm
Concentration per Run 3	-0.0002 ppm	0.0375 ppm	-0.0004 ppm	0.0136 ppm	0.0170 ppm	0.0000 ppm	2.0978 ppm
Concentration RSD	141.7 %	4.5 %	55.8 %	7.6 %	0.2 %	8.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0038 ppm	0.0225 ppm	0.0004 ppm	0.0213 ppm	0.9218 ppm	0.0011 ppm
Concentration per Run 1	0.0001 ppm	0.0038 ppm	0.0223 ppm	0.0003 ppm	0.0212 ppm	0.9382 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	0.0038 ppm	0.0224 ppm	0.0003 ppm	0.0210 ppm	0.9262 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	0.0037 ppm	0.0227 ppm	0.0006 ppm	0.0218 ppm	0.9011 ppm	0.0016 ppm
Concentration RSD	34.7 %	1.0 %	1.0 %	44.7 %	1.9 %	2.1 %	46.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.4630 ppm	0.0826 ppm	0.0081 ppm	5.6551 ppm	0.0025 ppm	0.0002 ppm	0.0386 ppm
Concentration per Run 1	1.4649 ppm	0.0819 ppm	0.0085 ppm	5.6206 ppm	0.0026 ppm	0.0000 ppm	0.0378 ppm
Concentration per Run 2	1.4634 ppm	0.0829 ppm	0.0083 ppm	5.6720 ppm	0.0030 ppm	0.0008 ppm	0.0412 ppm
Concentration per Run 3	1.4606 ppm	0.0831 ppm	0.0074 ppm	5.6728 ppm	0.0020 ppm	-0.0002 ppm	0.0367 ppm
Concentration RSD	0.1 %	0.7 %	7.1 %	0.5 %	21.6 %	218.5 %	6.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.4075 ppm	0.0180 ppm	0.0175 ppm	0.0024 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run 1	-0.0012 ppm	0.4085 ppm	0.0183 ppm	0.0174 ppm	0.0024 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run 2	0.0015 ppm	0.4054 ppm	0.0183 ppm	0.0174 ppm	0.0020 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run 3	0.0024 ppm	0.4086 ppm	0.0173 ppm	0.0175 ppm	0.0027 ppm	0.0006 ppm	0.0007 ppm
Concentration RSD	203.7 %	0.4 %	3.3 %	0.5 %	13.4 %	1,147.9 %	6.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0022 ppm	101.7829 %	103.0637 %	99.8561 %	100.6880 %	101.8359 %	100.3532 %
Concentration per Run 1	0.0023 ppm	102.3580 %	103.9651 %	100.2805 %	101.1544 %	102.1677 %	100.6616 %
Concentration per Run 2	0.0023 ppm	101.2224 %	102.1931 %	99.7159 %	99.9904 %	100.9263 %	99.9820 %
Concentration per Run 3	0.0022 ppm	101.7683 %	103.0329 %	99.5718 %	100.9193 %	102.4139 %	100.4161 %
Concentration RSD	2.6 %	0.6 %	0.9 %	0.4 %	0.6 %	0.8 %	0.3 %

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 9:16:37 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4780 ppm	0.4671 ppm	0.4776 ppm	0.4957 ppm	0.4976 ppm	0.4996 ppm	0.4763 ppm
Concentration per Run 1	0.4761 ppm	0.4713 ppm	0.4768 ppm	0.4979 ppm	0.4966 ppm	0.4991 ppm	0.4782 ppm
Concentration per Run 2	0.4798 ppm	0.4663 ppm	0.4761 ppm	0.4983 ppm	0.4971 ppm	0.4975 ppm	0.4737 ppm
Concentration per Run 3	0.4782 ppm	0.4638 ppm	0.4801 ppm	0.4911 ppm	0.4991 ppm	0.5021 ppm	0.4770 ppm
Recovery Percentage 1	95.605 %	93.427 %	95.530 %	99.148 %	99.516 %	99.915 %	95.260 %
Concentration RSD	0.4 %	0.8 %	0.4 %	0.8 %	0.3 %	0.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4753 ppm	0.4937 ppm	0.5205 ppm	0.4803 ppm	0.4904 ppm	5.0475 ppm	0.5107 ppm
Concentration per Run 1	0.4771 ppm	0.4973 ppm	0.5193 ppm	0.4827 ppm	0.4909 ppm	5.0084 ppm	0.5056 ppm
Concentration per Run 2	0.4756 ppm	0.4938 ppm	0.5217 ppm	0.4803 ppm	0.4876 ppm	5.0598 ppm	0.5136 ppm
Concentration per Run 3	0.4732 ppm	0.4899 ppm	0.5205 ppm	0.4779 ppm	0.4927 ppm	5.0744 ppm	0.5129 ppm
Recovery Percentage 1	95.063 %	98.733 %	104.097 %	96.053 %	98.082 %	100.951 %	102.148 %
Concentration RSD	0.4 %	0.7 %	0.2 %	0.5 %	0.5 %	0.7 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5110 ppm	0.4874 ppm	0.5090 ppm	9.9690 ppm	0.5312 ppm	0.5046 ppm	0.4927 ppm
Concentration per Run 1	0.5103 ppm	0.4892 ppm	0.5093 ppm	9.9284 ppm	0.5314 ppm	0.5034 ppm	0.4956 ppm
Concentration per Run 2	0.5123 ppm	0.4849 ppm	0.5098 ppm	10.0286 ppm	0.5316 ppm	0.5019 ppm	0.4914 ppm
Concentration per Run 3	0.5104 ppm	0.4880 ppm	0.5080 ppm	9.9499 ppm	0.5306 ppm	0.5085 ppm	0.4912 ppm
Recovery Percentage 1	102.197 %	97.471 %	101.807 %	99.690 %	106.244 %	100.921 %	98.547 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.5 %	0.1 %	0.7 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4823 ppm	5.0927 ppm	0.5292 ppm	0.5010 ppm	0.5148 ppm	0.5048 ppm	0.4784 ppm
Concentration per Run 1	0.4841 ppm	5.0905 ppm	0.5296 ppm	0.4987 ppm	0.5138 ppm	0.5039 ppm	0.4779 ppm
Concentration per Run 2	0.4761 ppm	5.0931 ppm	0.5303 ppm	0.5019 ppm	0.5145 ppm	0.5036 ppm	0.4795 ppm
Concentration per Run 3	0.4866 ppm	5.0946 ppm	0.5277 ppm	0.5025 ppm	0.5161 ppm	0.5071 ppm	0.4780 ppm
Recovery Percentage 1	96.455 %	97.004 %	105.839 %	100.202 %	102.956 %	100.966 %	95.690 %
Concentration RSD	1.1 %	0.0 %	0.3 %	0.4 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5255 ppm	100.6355 %	101.8978 %	97.7010 %	98.9499 %	99.6955 %	98.9605 %
Concentration per Run 1	0.5245 ppm	100.2166 %	102.1726 %	97.6378 %	98.9241 %	100.1741 %	98.9830 %
Concentration per Run 2	0.5267 ppm	100.4741 %	102.2295 %	98.1117 %	98.5390 %	99.7572 %	99.1333 %
Concentration per Run 3	0.5253 ppm	101.2159 %	101.2913 %	97.3536 %	99.3868 %	99.1551 %	98.7650 %
Recovery Percentage 1	105.095 %						
Concentration RSD	0.2 %	0.5 %	0.5 %	0.4 %	0.4 %	0.5 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 9:19:50 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0092 ppm	-0.0003 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 1	0.0000 ppm	-0.0078 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 2	-0.0001 ppm	-0.0102 ppm	-0.0005 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 3	-0.0001 ppm	-0.0097 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Recovery Percentage 1	-0.960 %	-9.248 %	-6.444 %	-2.457 %	0.178 %	0.474 %	1.582 %
Concentration RSD	107.0 %	13.8 %	120.3 %	97.9 %	114.3 %	38.8 %	46.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0044 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0099 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	-0.0129 ppm	0.0009 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	-0.0101 ppm	0.0002 ppm
Recovery Percentage 1	1.592 %	0.143 %	-1.383 %	1.495 %	0.716 %	-0.175 %	7.792 %
Concentration RSD	34.0 %	728.1 %	156.6 %	118.5 %	128.1 %	284.9 %	117.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0031 ppm	-0.0004 ppm	-0.0006 ppm	-0.0002 ppm	0.0038 ppm
Concentration per Run 1	-0.0011 ppm	0.0001 ppm	0.0033 ppm	-0.0009 ppm	-0.0012 ppm	-0.0002 ppm	0.0029 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0031 ppm	0.0015 ppm	-0.0007 ppm	0.0003 ppm	0.0051 ppm
Concentration per Run 3	0.0010 ppm	0.0001 ppm	0.0030 ppm	-0.0019 ppm	0.0001 ppm	-0.0007 ppm	0.0034 ppm
Recovery Percentage 1	0.024 %	1.398 %	6.281 %	-0.022 %	-2.363 %	-2.020 %	7.578 %
Concentration RSD	4,370.8 %	44.5 %	5.9 %	393.4 %	107.8 %	242.2 %	29.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	-0.0003 ppm	0.0022 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	-0.0017 ppm	-0.0014 ppm	0.0017 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0014 ppm	-0.0006 ppm	0.0026 ppm	-0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 3	0.0013 ppm	0.0012 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm
Recovery Percentage 1	3.266 %	-0.053 %	4.346 %	-0.504 %	1.452 %	2.526 %	-0.132 %
Concentration RSD	535.6 %	487.7 %	22.0 %	86.0 %	105.5 %	149.3 %	268.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	99.3016 %	101.0103 %	98.5288 %	100.3426 %	101.2276 %	100.6805 %
Concentration per Run 1	0.0003 ppm	99.7483 %	101.7914 %	98.4698 %	101.1797 %	101.4483 %	100.7842 %
Concentration per Run 2	-0.0001 ppm	99.2419 %	100.7546 %	98.6505 %	99.6592 %	101.2410 %	100.7526 %
Concentration per Run 3	0.0000 ppm	98.9147 %	100.4848 %	98.4662 %	100.1890 %	100.9936 %	100.5047 %
Recovery Percentage 1	0.694 %						
Concentration RSD	586.6 %	0.4 %	0.7 %	0.1 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-12 WG2083385
Analysis started at: 6/26/2025 9:28:46 AM
Rack 1
Vial 18
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.5864 ppm	-0.0004 ppm	0.0756 ppm	0.0134 ppm	0.0000 ppm	39.3095 ppm
Concentration per Run 1	-0.0001 ppm	0.5891 ppm	0.0000 ppm	0.0762 ppm	0.0134 ppm	0.0000 ppm	39.3240 ppm
Concentration per Run 2	-0.0002 ppm	0.5872 ppm	-0.0008 ppm	0.0767 ppm	0.0133 ppm	0.0000 ppm	39.3539 ppm
Concentration per Run 3	0.0000 ppm	0.5830 ppm	-0.0003 ppm	0.0739 ppm	0.0134 ppm	0.0000 ppm	39.2506 ppm
Concentration RSD	77.9 %	0.5 %	108.8 %	1.9 %	0.5 %	45.9 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0009 ppm	0.0026 ppm	0.0083 ppm	0.5358 ppm	2.9093 ppm	0.0024 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	0.0025 ppm	0.0084 ppm	0.5371 ppm	2.9192 ppm	0.0024 ppm
Concentration per Run 2	0.0000 ppm	0.0012 ppm	0.0027 ppm	0.0079 ppm	0.5361 ppm	2.8527 ppm	0.0025 ppm
Concentration per Run 3	-0.0001 ppm	0.0008 ppm	0.0025 ppm	0.0087 ppm	0.5341 ppm	2.9559 ppm	0.0023 ppm
Concentration RSD	136.8 %	27.0 %	3.2 %	5.0 %	0.3 %	1.8 %	5.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.9036 ppm	0.2348 ppm	0.0014 ppm	15.5585 ppm	0.0021 ppm	0.0021 ppm	0.0022 ppm
Concentration per Run 1	4.9194 ppm	0.2346 ppm	0.0016 ppm	15.5134 ppm	0.0021 ppm	0.0020 ppm	0.0018 ppm
Concentration per Run 2	4.9101 ppm	0.2353 ppm	0.0012 ppm	15.3943 ppm	0.0022 ppm	0.0021 ppm	0.0005 ppm
Concentration per Run 3	4.8814 ppm	0.2346 ppm	0.0015 ppm	15.7678 ppm	0.0019 ppm	0.0023 ppm	0.0042 ppm
Concentration RSD	0.4 %	0.2 %	15.2 %	1.2 %	6.1 %	6.9 %	84.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	5.9452 ppm	-0.0005 ppm	0.1568 ppm	0.0129 ppm	-0.0005 ppm	0.0120 ppm
Concentration per Run 1	-0.0007 ppm	5.9380 ppm	-0.0007 ppm	0.1569 ppm	0.0131 ppm	0.0002 ppm	0.0123 ppm
Concentration per Run 2	0.0016 ppm	5.9782 ppm	0.0001 ppm	0.1555 ppm	0.0129 ppm	-0.0002 ppm	0.0116 ppm
Concentration per Run 3	-0.0007 ppm	5.9195 ppm	-0.0010 ppm	0.1579 ppm	0.0126 ppm	-0.0016 ppm	0.0120 ppm
Concentration RSD	1,902.7 %	0.5 %	106.7 %	0.8 %	1.8 %	188.7 %	2.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0160 ppm	100.7050 %	102.9376 %	96.7544 %	99.1678 %	101.4223 %	98.8010 %
Concentration per Run 1	0.0160 ppm	100.8111 %	102.5692 %	96.8136 %	98.6941 %	101.0070 %	98.7315 %
Concentration per Run 2	0.0159 ppm	100.5766 %	103.2875 %	96.9838 %	100.3973 %	101.8692 %	98.8952 %
Concentration per Run 3	0.0160 ppm	100.7274 %	102.9561 %	96.4658 %	98.4119 %	101.3908 %	98.7764 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.3 %	1.1 %	0.4 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-13 WG2083385
Analysis started at: 6/26/2025 9:32:04 AM
Rack 1
Vial 19
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.1754 ppm	-0.0005 ppm	0.0446 ppm	0.1226 ppm	0.0001 ppm	9.2954 ppm
Concentration per Run 1	0.0001 ppm	0.1724 ppm	-0.0014 ppm	0.0458 ppm	0.1233 ppm	0.0001 ppm	9.2770 ppm
Concentration per Run 2	-0.0002 ppm	0.1753 ppm	-0.0008 ppm	0.0452 ppm	0.1227 ppm	0.0001 ppm	9.3242 ppm
Concentration per Run 3	-0.0001 ppm	0.1786 ppm	0.0008 ppm	0.0429 ppm	0.1220 ppm	0.0001 ppm	9.2850 ppm
Concentration RSD	223.3 %	1.8 %	231.3 %	3.4 %	0.5 %	24.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0052 ppm	0.1331 ppm	0.0022 ppm	0.1364 ppm	3.3392 ppm	0.0024 ppm
Concentration per Run 1	0.0001 ppm	0.0050 ppm	0.1333 ppm	0.0021 ppm	0.1371 ppm	3.3578 ppm	0.0022 ppm
Concentration per Run 2	0.0001 ppm	0.0055 ppm	0.1332 ppm	0.0024 ppm	0.1361 ppm	3.3526 ppm	0.0020 ppm
Concentration per Run 3	0.0002 ppm	0.0051 ppm	0.1327 ppm	0.0021 ppm	0.1358 ppm	3.3073 ppm	0.0029 ppm
Concentration RSD	78.8 %	4.7 %	0.3 %	7.6 %	0.5 %	0.8 %	21.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.7174 ppm	0.0493 ppm	0.0005 ppm	27.0455 ppm	0.0107 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run 1	5.7070 ppm	0.0493 ppm	0.0007 ppm	26.9732 ppm	0.0109 ppm	0.0006 ppm	0.0013 ppm
Concentration per Run 2	5.7388 ppm	0.0495 ppm	0.0003 ppm	27.1449 ppm	0.0109 ppm	0.0003 ppm	0.0050 ppm
Concentration per Run 3	5.7063 ppm	0.0492 ppm	0.0004 ppm	27.0185 ppm	0.0102 ppm	-0.0004 ppm	0.0007 ppm
Concentration RSD	0.3 %	0.2 %	49.5 %	0.3 %	3.7 %	299.4 %	98.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	1.8998 ppm	-0.0008 ppm	0.0706 ppm	0.0057 ppm	-0.0002 ppm	0.0023 ppm
Concentration per Run 1	0.0015 ppm	1.9048 ppm	-0.0012 ppm	0.0708 ppm	0.0054 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run 2	0.0001 ppm	1.9016 ppm	-0.0005 ppm	0.0705 ppm	0.0066 ppm	-0.0003 ppm	0.0023 ppm
Concentration per Run 3	0.0002 ppm	1.8931 ppm	-0.0008 ppm	0.0704 ppm	0.0052 ppm	-0.0006 ppm	0.0023 ppm
Concentration RSD	131.5 %	0.3 %	46.7 %	0.3 %	13.6 %	190.8 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0190 ppm	101.7049 %	102.5169 %	97.7111 %	100.3359 %	101.3635 %	99.4364 %
Concentration per Run 1	0.0192 ppm	102.0354 %	101.8002 %	98.5399 %	100.0671 %	100.6236 %	100.3521 %
Concentration per Run 2	0.0191 ppm	101.2006 %	102.0398 %	96.2262 %	100.3440 %	100.9894 %	97.9848 %
Concentration per Run 3	0.0187 ppm	101.8786 %	103.7109 %	98.3673 %	100.5967 %	102.4777 %	99.9722 %
Concentration RSD	1.4 %	0.4 %	1.0 %	1.3 %	0.3 %	1.0 %	1.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-14 WG2083385
Analysis started at: 6/26/2025 9:35:17 AM
Rack 1
Vial 20
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	2.7521 ppm	0.0013 ppm	0.0455 ppm	0.1113 ppm	0.0007 ppm	11.4460 ppm
Concentration per Run 1	-0.0002 ppm	2.7341 ppm	0.0019 ppm	0.0455 ppm	0.1110 ppm	0.0007 ppm	11.4687 ppm
Concentration per Run 2	-0.0002 ppm	2.7611 ppm	0.0014 ppm	0.0460 ppm	0.1115 ppm	0.0007 ppm	11.4576 ppm
Concentration per Run 3	-0.0003 ppm	2.7611 ppm	0.0007 ppm	0.0450 ppm	0.1113 ppm	0.0007 ppm	11.4118 ppm
Concentration RSD	27.7 %	0.6 %	45.3 %	1.1 %	0.3 %	2.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0129 ppm	0.2142 ppm	0.0252 ppm	3.3106 ppm	7.9557 ppm	0.0119 ppm
Concentration per Run 1	0.0006 ppm	0.0132 ppm	0.2162 ppm	0.0251 ppm	3.3136 ppm	7.9265 ppm	0.0119 ppm
Concentration per Run 2	0.0005 ppm	0.0127 ppm	0.2135 ppm	0.0253 ppm	3.3122 ppm	7.9768 ppm	0.0123 ppm
Concentration per Run 3	0.0005 ppm	0.0129 ppm	0.2129 ppm	0.0253 ppm	3.3061 ppm	7.9640 ppm	0.0114 ppm
Concentration RSD	4.4 %	1.8 %	0.8 %	0.3 %	0.1 %	0.3 %	3.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.4389 ppm	0.3094 ppm	0.0006 ppm	76.4471 ppm	0.0236 ppm	0.0171 ppm	0.0024 ppm
Concentration per Run 1	8.4857 ppm	0.3092 ppm	0.0007 ppm	75.4271 ppm	0.0239 ppm	0.0167 ppm	0.0038 ppm
Concentration per Run 2	8.4110 ppm	0.3100 ppm	0.0005 ppm	77.0759 ppm	0.0235 ppm	0.0170 ppm	0.0027 ppm
Concentration per Run 3	8.4200 ppm	0.3089 ppm	0.0005 ppm	76.8384 ppm	0.0233 ppm	0.0177 ppm	0.0008 ppm
Concentration RSD	0.5 %	0.2 %	25.0 %	1.2 %	1.2 %	3.0 %	63.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	5.5167 ppm	0.0001 ppm	0.1059 ppm	0.0881 ppm	-0.0009 ppm	0.0087 ppm
Concentration per Run 1	0.0005 ppm	5.5411 ppm	-0.0001 ppm	0.1054 ppm	0.0883 ppm	-0.0003 ppm	0.0088 ppm
Concentration per Run 2	-0.0008 ppm	5.5189 ppm	-0.0004 ppm	0.1062 ppm	0.0875 ppm	-0.0006 ppm	0.0088 ppm
Concentration per Run 3	0.0020 ppm	5.4902 ppm	0.0009 ppm	0.1061 ppm	0.0884 ppm	-0.0018 ppm	0.0086 ppm
Concentration RSD	250.7 %	0.5 %	533.0 %	0.4 %	0.6 %	88.9 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1660 ppm	99.0812 %	101.9493 %	93.2132 %	98.6775 %	101.3666 %	98.1312 %
Concentration per Run 1	0.1676 ppm	98.6859 %	101.7648 %	93.5695 %	98.2585 %	100.8649 %	98.3931 %
Concentration per Run 2	0.1647 ppm	99.6452 %	101.9102 %	92.8519 %	99.2421 %	101.6826 %	97.6749 %
Concentration per Run 3	0.1657 ppm	98.9124 %	102.1730 %	93.2181 %	98.5321 %	101.5522 %	98.3257 %
Concentration RSD	0.9 %	0.5 %	0.2 %	0.4 %	0.5 %	0.4 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-15 WG2083385
Analysis started at: 6/26/2025 9:38:29 AM
Rack 1
Vial 21
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.6791 ppm	-0.0001 ppm	0.0630 ppm	0.1373 ppm	0.0009 ppm	7.1231 ppm
Concentration per Run 1	0.0000 ppm	0.6812 ppm	0.0013 ppm	0.0617 ppm	0.1369 ppm	0.0009 ppm	7.1128 ppm
Concentration per Run 2	0.0001 ppm	0.6793 ppm	-0.0013 ppm	0.0633 ppm	0.1377 ppm	0.0009 ppm	7.1484 ppm
Concentration per Run 3	0.0002 ppm	0.6768 ppm	-0.0003 ppm	0.0640 ppm	0.1373 ppm	0.0009 ppm	7.1080 ppm
Concentration RSD	88.2 %	0.3 %	1,278.1 %	1.9 %	0.3 %	1.0 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0186 ppm	0.0020 ppm	0.0130 ppm	0.8860 ppm	5.3569 ppm	0.0082 ppm
Concentration per Run 1	0.0003 ppm	0.0182 ppm	0.0019 ppm	0.0130 ppm	0.8877 ppm	5.3684 ppm	0.0084 ppm
Concentration per Run 2	0.0004 ppm	0.0189 ppm	0.0021 ppm	0.0133 ppm	0.8867 ppm	5.3441 ppm	0.0080 ppm
Concentration per Run 3	0.0003 ppm	0.0186 ppm	0.0020 ppm	0.0128 ppm	0.8836 ppm	5.3583 ppm	0.0081 ppm
Concentration RSD	20.5 %	1.9 %	3.3 %	1.7 %	0.2 %	0.2 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.1391 ppm	0.2843 ppm	0.0004 ppm	27.9013 ppm	0.0247 ppm	0.0032 ppm	0.0015 ppm
Concentration per Run 1	5.1352 ppm	0.2834 ppm	0.0003 ppm	28.0103 ppm	0.0242 ppm	0.0036 ppm	0.0020 ppm
Concentration per Run 2	5.1515 ppm	0.2852 ppm	0.0002 ppm	27.6476 ppm	0.0252 ppm	0.0031 ppm	0.0007 ppm
Concentration per Run 3	5.1306 ppm	0.2843 ppm	0.0007 ppm	28.0459 ppm	0.0246 ppm	0.0029 ppm	0.0019 ppm
Concentration RSD	0.2 %	0.3 %	70.9 %	0.8 %	2.0 %	11.2 %	48.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	3.4896 ppm	-0.0004 ppm	0.0823 ppm	0.0108 ppm	0.0003 ppm	0.0031 ppm
Concentration per Run 1	-0.0011 ppm	3.4799 ppm	-0.0006 ppm	0.0819 ppm	0.0110 ppm	0.0016 ppm	0.0030 ppm
Concentration per Run 2	-0.0016 ppm	3.5003 ppm	-0.0006 ppm	0.0826 ppm	0.0108 ppm	-0.0005 ppm	0.0031 ppm
Concentration per Run 3	0.0024 ppm	3.4886 ppm	0.0000 ppm	0.0822 ppm	0.0105 ppm	-0.0001 ppm	0.0032 ppm
Concentration RSD	2,204.4 %	0.3 %	83.2 %	0.4 %	2.2 %	339.5 %	2.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0510 ppm	100.9102 %	102.7722 %	98.0147 %	100.6400 %	102.4449 %	100.9677 %
Concentration per Run 1	0.0509 ppm	101.2113 %	103.2720 %	98.5558 %	100.8659 %	102.9334 %	101.0775 %
Concentration per Run 2	0.0507 ppm	101.1398 %	102.2740 %	98.0814 %	101.0127 %	102.1140 %	101.5254 %
Concentration per Run 3	0.0515 ppm	100.3796 %	102.7706 %	97.4070 %	100.0415 %	102.2871 %	100.3003 %
Concentration RSD	0.8 %	0.5 %	0.5 %	0.6 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 9:41:42 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4762 ppm	0.4629 ppm	0.4736 ppm	0.4958 ppm	0.4956 ppm	0.4972 ppm	0.4775 ppm
Concentration per Run 1	0.4728 ppm	0.4604 ppm	0.4713 ppm	0.5011 ppm	0.4992 ppm	0.4995 ppm	0.4818 ppm
Concentration per Run 2	0.4764 ppm	0.4606 ppm	0.4777 ppm	0.4940 ppm	0.4942 ppm	0.4955 ppm	0.4742 ppm
Concentration per Run 3	0.4793 ppm	0.4677 ppm	0.4719 ppm	0.4922 ppm	0.4935 ppm	0.4965 ppm	0.4767 ppm
Recovery Percentage 1	95.232 %	92.574 %	94.725 %	99.159 %	99.127 %	99.434 %	95.510 %
Concentration RSD	0.7 %	0.9 %	0.8 %	1.0 %	0.6 %	0.4 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4737 ppm	0.4940 ppm	0.5209 ppm	0.4777 ppm	0.4901 ppm	5.0233 ppm	0.5082 ppm
Concentration per Run 1	0.4743 ppm	0.4959 ppm	0.5248 ppm	0.4763 ppm	0.4931 ppm	5.0376 ppm	0.5136 ppm
Concentration per Run 2	0.4741 ppm	0.4947 ppm	0.5182 ppm	0.4779 ppm	0.4872 ppm	5.0351 ppm	0.5096 ppm
Concentration per Run 3	0.4727 ppm	0.4915 ppm	0.5197 ppm	0.4788 ppm	0.4899 ppm	4.9971 ppm	0.5014 ppm
Recovery Percentage 1	94.741 %	98.805 %	104.179 %	95.534 %	98.013 %	100.465 %	101.637 %
Concentration RSD	0.2 %	0.5 %	0.7 %	0.3 %	0.6 %	0.5 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5093 ppm	0.4887 ppm	0.5036 ppm	9.9574 ppm	0.5313 ppm	0.5065 ppm	0.4746 ppm
Concentration per Run 1	0.5126 ppm	0.4899 ppm	0.5056 ppm	9.9351 ppm	0.5366 ppm	0.5058 ppm	0.4700 ppm
Concentration per Run 2	0.5082 ppm	0.4858 ppm	0.5022 ppm	10.0476 ppm	0.5291 ppm	0.5084 ppm	0.4740 ppm
Concentration per Run 3	0.5070 ppm	0.4905 ppm	0.5030 ppm	9.8894 ppm	0.5282 ppm	0.5053 ppm	0.4797 ppm
Recovery Percentage 1	101.854 %	97.749 %	100.719 %	99.574 %	106.262 %	101.303 %	94.912 %
Concentration RSD	0.6 %	0.5 %	0.4 %	0.8 %	0.9 %	0.3 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4807 ppm	5.0828 ppm	0.5213 ppm	0.5001 ppm	0.5138 ppm	0.5025 ppm	0.4773 ppm
Concentration per Run 1	0.4809 ppm	5.0813 ppm	0.5270 ppm	0.5039 ppm	0.5165 ppm	0.5025 ppm	0.4754 ppm
Concentration per Run 2	0.4822 ppm	5.0685 ppm	0.5181 ppm	0.4994 ppm	0.5107 ppm	0.5060 ppm	0.4786 ppm
Concentration per Run 3	0.4791 ppm	5.0985 ppm	0.5186 ppm	0.4969 ppm	0.5143 ppm	0.4990 ppm	0.4781 ppm
Recovery Percentage 1	96.139 %	96.815 %	104.250 %	100.010 %	102.770 %	100.494 %	95.470 %
Concentration RSD	0.3 %	0.3 %	1.0 %	0.7 %	0.6 %	0.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5254 ppm	100.4104 %	102.2052 %	97.5473 %	98.9274 %	100.6531 %	98.9253 %
Concentration per Run 1	0.5325 ppm	99.5346 %	101.3770 %	97.4988 %	99.2892 %	99.9366 %	98.6557 %
Concentration per Run 2	0.5230 ppm	100.5006 %	102.9302 %	97.3170 %	98.2870 %	101.4085 %	99.1394 %
Concentration per Run 3	0.5208 ppm	101.1961 %	102.3085 %	97.8261 %	99.2061 %	100.6141 %	98.9808 %
Recovery Percentage 1	105.086 %						
Concentration RSD	1.2 %	0.8 %	0.8 %	0.3 %	0.6 %	0.7 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 9:44:55 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0062 ppm	-0.0015 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	-0.0053 ppm	-0.0016 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 2	-0.0001 ppm	-0.0087 ppm	-0.0018 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0046 ppm	-0.0011 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0005 ppm
Recovery Percentage 1	-0.208 %	-6.195 %	-29.280 %	-0.661 %	-0.138 %	-0.125 %	1.019 %
Concentration RSD	590.9 %	35.6 %	24.3 %	370.5 %	568.5 %	151.1 %	210.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm	-0.0061 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0068 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0182 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0067 ppm	0.0006 ppm
Recovery Percentage 1	0.413 %	0.080 %	-0.753 %	-0.264 %	1.806 %	-0.244 %	12.937 %
Concentration RSD	54.3 %	2,199.2 %	18.4 %	164.7 %	116.7 %	205.0 %	18.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0011 ppm	0.0001 ppm	0.0026 ppm	-0.0003 ppm	0.0000 ppm	-0.0004 ppm	0.0018 ppm
Concentration per Run 1	0.0006 ppm	0.0002 ppm	0.0027 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0020 ppm	0.0001 ppm	0.0026 ppm	-0.0002 ppm	0.0000 ppm	-0.0011 ppm	0.0033 ppm
Concentration per Run 3	0.0007 ppm	0.0000 ppm	0.0026 ppm	-0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0022 ppm
Recovery Percentage 1	1.080 %	0.976 %	5.285 %	-0.016 %	-0.039 %	-4.185 %	3.583 %
Concentration RSD	75.9 %	69.8 %	2.5 %	185.2 %	592.4 %	137.7 %	94.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0017 ppm	0.0017 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	-0.0015 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm
Recovery Percentage 1	0.723 %	0.232 %	0.649 %	-0.091 %	1.924 %	0.691 %	0.217 %
Concentration RSD	2,218.9 %	71.9 %	71.6 %	405.8 %	97.6 %	187.7 %	706.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.0342 %	100.9824 %	99.5375 %	100.6853 %	101.4716 %	101.2258 %
Concentration per Run 1	0.0002 ppm	99.8282 %	100.6620 %	98.5901 %	100.9255 %	101.1014 %	100.6623 %
Concentration per Run 2	0.0001 ppm	100.3261 %	101.3586 %	100.4827 %	100.8212 %	101.7808 %	102.0974 %
Concentration per Run 3	0.0001 ppm	99.9483 %	100.9265 %	99.5398 %	100.3091 %	101.5327 %	100.9176 %
Recovery Percentage 1	3.145 %						
Concentration RSD	21.6 %	0.3 %	0.3 %	1.0 %	0.3 %	0.3 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-01 WG2082845
Analysis started at: 6/26/2025 10:09:27 AM
Rack 1
Vial 22
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0525 ppm	-0.0010 ppm	0.0775 ppm	0.1262 ppm	0.0002 ppm	18.6668 ppm
Concentration per Run 1	0.0000 ppm	0.0524 ppm	-0.0008 ppm	0.0758 ppm	0.1263 ppm	0.0002 ppm	18.7136 ppm
Concentration per Run 2	-0.0003 ppm	0.0514 ppm	-0.0005 ppm	0.0786 ppm	0.1261 ppm	0.0002 ppm	18.5705 ppm
Concentration per Run 3	0.0000 ppm	0.0538 ppm	-0.0016 ppm	0.0782 ppm	0.1261 ppm	0.0002 ppm	18.7163 ppm
Concentration RSD	169.1 %	2.3 %	56.8 %	1.9 %	0.1 %	2.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0258 ppm	0.0434 ppm	0.0033 ppm	0.0984 ppm	7.5620 ppm	0.0078 ppm
Concentration per Run 1	0.0002 ppm	0.0258 ppm	0.0433 ppm	0.0034 ppm	0.0986 ppm	7.6197 ppm	0.0084 ppm
Concentration per Run 2	0.0002 ppm	0.0264 ppm	0.0434 ppm	0.0032 ppm	0.0985 ppm	7.5364 ppm	0.0071 ppm
Concentration per Run 3	0.0002 ppm	0.0252 ppm	0.0436 ppm	0.0032 ppm	0.0981 ppm	7.5299 ppm	0.0079 ppm
Concentration RSD	12.3 %	2.2 %	0.4 %	3.6 %	0.2 %	0.7 %	8.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.7932 ppm	1.5569 ppm	0.0002 ppm	69.2814 ppm	0.0261 ppm	-0.0001 ppm	0.0026 ppm
Concentration per Run 1	11.7565 ppm	1.5591 ppm	0.0003 ppm	69.3905 ppm	0.0257 ppm	0.0006 ppm	0.0048 ppm
Concentration per Run 2	11.8445 ppm	1.5522 ppm	0.0002 ppm	68.8895 ppm	0.0267 ppm	-0.0006 ppm	0.0015 ppm
Concentration per Run 3	11.7787 ppm	1.5594 ppm	0.0001 ppm	69.5644 ppm	0.0260 ppm	-0.0003 ppm	0.0016 ppm
Concentration RSD	0.4 %	0.3 %	51.1 %	0.5 %	1.9 %	613.7 %	72.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0006 ppm	3.2942 ppm	-0.0003 ppm	0.1818 ppm	0.0016 ppm	-0.0007 ppm	0.0019 ppm
Concentration per Run 1	0.0008 ppm	3.2847 ppm	-0.0001 ppm	0.1820 ppm	0.0018 ppm	-0.0010 ppm	0.0018 ppm
Concentration per Run 2	-0.0019 ppm	3.3043 ppm	-0.0003 ppm	0.1813 ppm	0.0015 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 3	-0.0009 ppm	3.2938 ppm	-0.0006 ppm	0.1819 ppm	0.0016 ppm	-0.0013 ppm	0.0020 ppm
Concentration RSD	215.8 %	0.3 %	84.5 %	0.2 %	9.7 %	103.1 %	7.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0309 ppm	98.6622 %	100.6972 %	92.3882 %	98.2015 %	100.1148 %	96.4949 %
Concentration per Run 1	0.0308 ppm	99.6783 %	99.9043 %	91.8506 %	99.3443 %	99.3948 %	96.1589 %
Concentration per Run 2	0.0311 ppm	98.1818 %	101.2466 %	92.7148 %	97.1851 %	100.2335 %	96.5740 %
Concentration per Run 3	0.0308 ppm	98.1263 %	100.9408 %	92.5991 %	98.0753 %	100.7161 %	96.7518 %
Concentration RSD	0.5 %	0.9 %	0.7 %	0.5 %	1.1 %	0.7 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-02 WG2082845
Analysis started at: 6/26/2025 10:12:52 AM
Rack 1
Vial 23
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.8740 ppm	0.0012 ppm	0.0496 ppm	0.1056 ppm	0.0012 ppm	23.2026 ppm
Concentration per Run 1	-0.0001 ppm	0.8802 ppm	0.0024 ppm	0.0495 ppm	0.1064 ppm	0.0012 ppm	23.1440 ppm
Concentration per Run 2	-0.0002 ppm	0.8675 ppm	-0.0008 ppm	0.0493 ppm	0.1052 ppm	0.0012 ppm	23.2372 ppm
Concentration per Run 3	0.0002 ppm	0.8744 ppm	0.0021 ppm	0.0500 ppm	0.1052 ppm	0.0012 ppm	23.2266 ppm
Concentration RSD	958.4 %	0.7 %	147.5 %	0.7 %	0.7 %	0.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0017 ppm	0.0428 ppm	0.1069 ppm	0.0261 ppm	1.7532 ppm	4.9498 ppm	0.0059 ppm
Concentration per Run 1	0.0017 ppm	0.0429 ppm	0.1063 ppm	0.0261 ppm	1.7583 ppm	4.9935 ppm	0.0063 ppm
Concentration per Run 2	0.0017 ppm	0.0427 ppm	0.1071 ppm	0.0262 ppm	1.7517 ppm	4.9251 ppm	0.0054 ppm
Concentration per Run 3	0.0017 ppm	0.0428 ppm	0.1074 ppm	0.0260 ppm	1.7495 ppm	4.9307 ppm	0.0059 ppm
Concentration RSD	2.4 %	0.2 %	0.5 %	0.5 %	0.3 %	0.8 %	7.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.3731 ppm	1.5656 ppm	0.0011 ppm	97.0305 ppm	0.0333 ppm	0.0043 ppm	0.0018 ppm
Concentration per Run 1	14.3455 ppm	1.5662 ppm	0.0009 ppm	97.2247 ppm	0.0324 ppm	0.0051 ppm	0.0010 ppm
Concentration per Run 2	14.3620 ppm	1.5605 ppm	0.0014 ppm	96.8718 ppm	0.0337 ppm	0.0034 ppm	0.0017 ppm
Concentration per Run 3	14.4117 ppm	1.5702 ppm	0.0010 ppm	96.9950 ppm	0.0339 ppm	0.0044 ppm	0.0028 ppm
Concentration RSD	0.2 %	0.3 %	23.6 %	0.2 %	2.4 %	19.3 %	50.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	3.3678 ppm	-0.0004 ppm	0.1557 ppm	0.0133 ppm	-0.0014 ppm	0.0042 ppm
Concentration per Run 1	-0.0018 ppm	3.3689 ppm	-0.0001 ppm	0.1569 ppm	0.0133 ppm	-0.0011 ppm	0.0045 ppm
Concentration per Run 2	0.0007 ppm	3.3581 ppm	-0.0011 ppm	0.1548 ppm	0.0134 ppm	-0.0023 ppm	0.0040 ppm
Concentration per Run 3	0.0005 ppm	3.3763 ppm	-0.0001 ppm	0.1555 ppm	0.0132 ppm	-0.0009 ppm	0.0042 ppm
Concentration RSD	733.0 %	0.3 %	147.7 %	0.7 %	0.7 %	52.1 %	5.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1108 ppm	97.2960 %	100.9713 %	91.6545 %	97.2809 %	101.5324 %	97.5858 %
Concentration per Run 1	0.1098 ppm	97.7118 %	101.4297 %	92.1450 %	97.6048 %	102.0744 %	97.9991 %
Concentration per Run 2	0.1112 ppm	96.5493 %	101.1243 %	91.0609 %	96.2752 %	101.5426 %	97.1084 %
Concentration per Run 3	0.1113 ppm	97.6268 %	100.3599 %	91.7577 %	97.9628 %	100.9803 %	97.6499 %
Concentration RSD	0.8 %	0.7 %	0.5 %	0.6 %	0.9 %	0.5 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-03 WG2082845
Analysis started at: 6/26/2025 10:16:05 AM
Rack 1
Vial 24
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.8025 ppm	0.0032 ppm	0.0254 ppm	0.0297 ppm	0.0001 ppm	27.6747 ppm
Concentration per Run 1	0.0001 ppm	0.8057 ppm	0.0034 ppm	0.0241 ppm	0.0295 ppm	0.0001 ppm	27.8493 ppm
Concentration per Run 2	-0.0001 ppm	0.8009 ppm	0.0016 ppm	0.0260 ppm	0.0299 ppm	0.0001 ppm	27.6746 ppm
Concentration per Run 3	-0.0002 ppm	0.8009 ppm	0.0045 ppm	0.0262 ppm	0.0298 ppm	0.0001 ppm	27.5003 ppm
Concentration RSD	169.9 %	0.3 %	45.5 %	4.5 %	0.6 %	12.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0010 ppm	0.0016 ppm	0.0062 ppm	3.0946 ppm	8.4493 ppm	0.0012 ppm
Concentration per Run 1	0.0002 ppm	0.0012 ppm	0.0016 ppm	0.0061 ppm	3.1077 ppm	8.4149 ppm	0.0019 ppm
Concentration per Run 2	0.0001 ppm	0.0008 ppm	0.0016 ppm	0.0062 ppm	3.0944 ppm	8.4664 ppm	0.0010 ppm
Concentration per Run 3	0.0001 ppm	0.0009 ppm	0.0016 ppm	0.0064 ppm	3.0815 ppm	8.4666 ppm	0.0006 ppm
Concentration RSD	15.2 %	21.1 %	2.0 %	2.6 %	0.4 %	0.4 %	55.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.9998 ppm	0.1748 ppm	0.0016 ppm	2.4052 ppm	0.0221 ppm	0.0037 ppm	0.0025 ppm
Concentration per Run 1	5.0124 ppm	0.1754 ppm	0.0017 ppm	2.3960 ppm	0.0221 ppm	0.0038 ppm	0.0028 ppm
Concentration per Run 2	4.9881 ppm	0.1748 ppm	0.0014 ppm	2.4083 ppm	0.0219 ppm	0.0038 ppm	0.0038 ppm
Concentration per Run 3	4.9989 ppm	0.1742 ppm	0.0016 ppm	2.4114 ppm	0.0223 ppm	0.0033 ppm	0.0010 ppm
Concentration RSD	0.2 %	0.3 %	8.0 %	0.3 %	0.9 %	7.5 %	57.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	4.0269 ppm	-0.0012 ppm	0.1627 ppm	0.0174 ppm	-0.0012 ppm	0.0035 ppm
Concentration per Run 1	0.0013 ppm	4.0266 ppm	-0.0008 ppm	0.1621 ppm	0.0173 ppm	-0.0013 ppm	0.0033 ppm
Concentration per Run 2	-0.0014 ppm	4.0321 ppm	-0.0021 ppm	0.1627 ppm	0.0175 ppm	-0.0012 ppm	0.0035 ppm
Concentration per Run 3	0.0003 ppm	4.0220 ppm	-0.0008 ppm	0.1633 ppm	0.0175 ppm	-0.0011 ppm	0.0035 ppm
Concentration RSD	1,646.1 %	0.1 %	58.4 %	0.4 %	0.7 %	7.3 %	3.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0190 ppm	101.1303 %	103.0503 %	97.4136 %	99.7501 %	101.9347 %	99.1723 %
Concentration per Run 1	0.0188 ppm	101.9392 %	102.0075 %	97.0098 %	100.3002 %	101.0639 %	98.9340 %
Concentration per Run 2	0.0192 ppm	101.0875 %	103.6140 %	97.6711 %	99.9594 %	102.8129 %	99.4049 %
Concentration per Run 3	0.0189 ppm	100.3642 %	103.5294 %	97.5601 %	98.9907 %	101.9273 %	99.1781 %
Concentration RSD	0.9 %	0.8 %	0.9 %	0.4 %	0.7 %	0.9 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-04 WG2082845
Analysis started at: 6/26/2025 10:19:19 AM
Rack 1
Vial 25
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.4588 ppm	0.0001 ppm	0.0283 ppm	0.1106 ppm	0.0028 ppm	18.4499 ppm
Concentration per Run 1	-0.0002 ppm	0.4612 ppm	-0.0005 ppm	0.0275 ppm	0.1104 ppm	0.0028 ppm	18.5039 ppm
Concentration per Run 2	-0.0001 ppm	0.4579 ppm	0.0007 ppm	0.0287 ppm	0.1105 ppm	0.0028 ppm	18.5010 ppm
Concentration per Run 3	-0.0001 ppm	0.4575 ppm	0.0000 ppm	0.0286 ppm	0.1108 ppm	0.0028 ppm	18.3449 ppm
Concentration RSD	50.6 %	0.4 %	1,012.1 %	2.3 %	0.2 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.0100 ppm	0.0342 ppm	0.0154 ppm	0.2461 ppm	4.9278 ppm	0.0056 ppm
Concentration per Run 1	0.0018 ppm	0.0103 ppm	0.0346 ppm	0.0152 ppm	0.2482 ppm	4.9536 ppm	0.0053 ppm
Concentration per Run 2	0.0019 ppm	0.0097 ppm	0.0340 ppm	0.0152 ppm	0.2447 ppm	4.9022 ppm	0.0062 ppm
Concentration per Run 3	0.0020 ppm	0.0101 ppm	0.0341 ppm	0.0156 ppm	0.2454 ppm	4.9276 ppm	0.0052 ppm
Concentration RSD	4.1 %	3.3 %	1.0 %	1.5 %	0.8 %	0.5 %	9.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	18.7569 ppm	0.5305 ppm	0.0003 ppm	190.8099 ppm	0.0285 ppm	0.0005 ppm	0.0024 ppm
Concentration per Run 1	18.7833 ppm	0.5313 ppm	0.0000 ppm	192.0728 ppm	0.0290 ppm	0.0002 ppm	0.0027 ppm
Concentration per Run 2	18.7794 ppm	0.5311 ppm	0.0005 ppm	190.1869 ppm	0.0281 ppm	0.0006 ppm	0.0011 ppm
Concentration per Run 3	18.7080 ppm	0.5290 ppm	0.0003 ppm	190.1700 ppm	0.0283 ppm	0.0006 ppm	0.0034 ppm
Concentration RSD	0.2 %	0.2 %	90.7 %	0.6 %	1.7 %	53.4 %	49.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	3.1710 ppm	-0.0008 ppm	0.1574 ppm	0.0057 ppm	-0.0005 ppm	0.0010 ppm
Concentration per Run 1	0.0013 ppm	3.1748 ppm	-0.0007 ppm	0.1571 ppm	0.0055 ppm	-0.0001 ppm	0.0010 ppm
Concentration per Run 2	0.0005 ppm	3.1631 ppm	-0.0006 ppm	0.1575 ppm	0.0059 ppm	-0.0010 ppm	0.0010 ppm
Concentration per Run 3	0.0013 ppm	3.1752 ppm	-0.0011 ppm	0.1574 ppm	0.0056 ppm	-0.0002 ppm	0.0010 ppm
Concentration RSD	40.9 %	0.2 %	28.5 %	0.1 %	2.8 %	105.8 %	2.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0859 ppm	94.9557 %	99.8242 %	86.7762 %	98.3609 %	103.0608 %	97.4112 %
Concentration per Run 1	0.0870 ppm	94.7319 %	99.5232 %	87.3339 %	98.3179 %	103.1170 %	97.6904 %
Concentration per Run 2	0.0858 ppm	95.0698 %	99.7033 %	86.7913 %	98.2488 %	103.3300 %	97.5394 %
Concentration per Run 3	0.0850 ppm	95.0654 %	100.2461 %	86.2035 %	98.5160 %	102.7354 %	97.0038 %
Concentration RSD	1.1 %	0.2 %	0.4 %	0.7 %	0.1 %	0.3 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-05 WG2082845
Analysis started at: 6/26/2025 10:22:29 AM
Rack 1
Vial 26
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	1.7288 ppm	0.0007 ppm	0.0614 ppm	0.1111 ppm	0.0012 ppm	18.2331 ppm
Concentration per Run 1	0.0001 ppm	1.7400 ppm	0.0015 ppm	0.0633 ppm	0.1110 ppm	0.0012 ppm	18.1776 ppm
Concentration per Run 2	-0.0002 ppm	1.7386 ppm	-0.0003 ppm	0.0607 ppm	0.1115 ppm	0.0012 ppm	18.3232 ppm
Concentration per Run 3	0.0000 ppm	1.7079 ppm	0.0009 ppm	0.0603 ppm	0.1108 ppm	0.0012 ppm	18.1985 ppm
Concentration RSD	270.3 %	1.0 %	126.5 %	2.6 %	0.3 %	1.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0186 ppm	0.0085 ppm	0.0272 ppm	5.7567 ppm	5.0811 ppm	0.0074 ppm
Concentration per Run 1	0.0011 ppm	0.0190 ppm	0.0085 ppm	0.0273 ppm	5.7520 ppm	5.0994 ppm	0.0074 ppm
Concentration per Run 2	0.0011 ppm	0.0190 ppm	0.0086 ppm	0.0276 ppm	5.7646 ppm	5.0892 ppm	0.0069 ppm
Concentration per Run 3	0.0011 ppm	0.0179 ppm	0.0083 ppm	0.0268 ppm	5.7535 ppm	5.0546 ppm	0.0079 ppm
Concentration RSD	0.8 %	3.4 %	2.0 %	1.5 %	0.1 %	0.5 %	6.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.6755 ppm	0.3633 ppm	0.0017 ppm	92.9642 ppm	0.0293 ppm	0.0151 ppm	0.0046 ppm
Concentration per Run 1	7.7247 ppm	0.3633 ppm	0.0015 ppm	93.1150 ppm	0.0290 ppm	0.0149 ppm	0.0033 ppm
Concentration per Run 2	7.7224 ppm	0.3640 ppm	0.0016 ppm	93.4610 ppm	0.0305 ppm	0.0154 ppm	0.0053 ppm
Concentration per Run 3	7.5793 ppm	0.3626 ppm	0.0020 ppm	92.3167 ppm	0.0285 ppm	0.0149 ppm	0.0054 ppm
Concentration RSD	1.1 %	0.2 %	13.9 %	0.6 %	3.7 %	1.7 %	25.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	6.3114 ppm	-0.0003 ppm	0.1414 ppm	0.0618 ppm	0.0003 ppm	0.0117 ppm
Concentration per Run 1	0.0000 ppm	6.3517 ppm	0.0005 ppm	0.1413 ppm	0.0622 ppm	0.0009 ppm	0.0117 ppm
Concentration per Run 2	0.0004 ppm	6.3515 ppm	-0.0007 ppm	0.1420 ppm	0.0622 ppm	0.0007 ppm	0.0118 ppm
Concentration per Run 3	0.0010 ppm	6.2309 ppm	-0.0008 ppm	0.1408 ppm	0.0608 ppm	-0.0007 ppm	0.0116 ppm
Concentration RSD	106.1 %	1.1 %	206.9 %	0.4 %	1.3 %	298.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1756 ppm	98.3089 %	101.4427 %	92.2109 %	97.2043 %	100.8967 %	96.9626 %
Concentration per Run 1	0.1764 ppm	97.5526 %	102.5761 %	92.3922 %	96.8511 %	102.0828 %	97.1209 %
Concentration per Run 2	0.1773 ppm	97.6524 %	101.0059 %	92.5443 %	96.0809 %	100.5923 %	97.2464 %
Concentration per Run 3	0.1732 ppm	99.7218 %	100.7460 %	91.6961 %	98.6809 %	100.0151 %	96.5205 %
Concentration RSD	1.2 %	1.2 %	1.0 %	0.5 %	1.4 %	1.1 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-06 WG2082845
Analysis started at: 6/26/2025 10:25:40 AM
Rack 1
Vial 27
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.1072 ppm	-0.0002 ppm	0.0692 ppm	0.0663 ppm	0.0012 ppm	14.2656 ppm
Concentration per Run 1	-0.0001 ppm	0.1045 ppm	-0.0016 ppm	0.0706 ppm	0.0665 ppm	0.0012 ppm	14.2896 ppm
Concentration per Run 2	0.0002 ppm	0.1077 ppm	0.0001 ppm	0.0684 ppm	0.0664 ppm	0.0012 ppm	14.2382 ppm
Concentration per Run 3	0.0000 ppm	0.1096 ppm	0.0009 ppm	0.0687 ppm	0.0661 ppm	0.0012 ppm	14.2690 ppm
Concentration RSD	321.6 %	2.4 %	616.7 %	1.7 %	0.3 %	1.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0119 ppm	0.1632 ppm	0.0069 ppm	0.0758 ppm	8.4602 ppm	0.0049 ppm
Concentration per Run 1	0.0008 ppm	0.0122 ppm	0.1643 ppm	0.0068 ppm	0.0762 ppm	8.5199 ppm	0.0045 ppm
Concentration per Run 2	0.0006 ppm	0.0117 ppm	0.1619 ppm	0.0071 ppm	0.0747 ppm	8.4816 ppm	0.0048 ppm
Concentration per Run 3	0.0007 ppm	0.0118 ppm	0.1633 ppm	0.0069 ppm	0.0766 ppm	8.3791 ppm	0.0053 ppm
Concentration RSD	10.9 %	2.2 %	0.8 %	2.0 %	1.3 %	0.9 %	8.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.7126 ppm	0.7284 ppm	0.0004 ppm	95.8713 ppm	0.0160 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	8.7269 ppm	0.7287 ppm	0.0003 ppm	96.2007 ppm	0.0162 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 2	8.6605 ppm	0.7283 ppm	0.0004 ppm	96.4250 ppm	0.0157 ppm	0.0001 ppm	0.0047 ppm
Concentration per Run 3	8.7503 ppm	0.7282 ppm	0.0004 ppm	94.9883 ppm	0.0160 ppm	0.0000 ppm	0.0017 ppm
Concentration RSD	0.5 %	0.0 %	12.0 %	0.8 %	1.4 %	150.8 %	59.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0010 ppm	2.8825 ppm	-0.0013 ppm	0.0984 ppm	0.0014 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	2.8913 ppm	-0.0012 ppm	0.0985 ppm	0.0012 ppm	-0.0008 ppm	0.0009 ppm
Concentration per Run 2	-0.0003 ppm	2.8781 ppm	-0.0019 ppm	0.0985 ppm	0.0014 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 3	-0.0026 ppm	2.8783 ppm	-0.0008 ppm	0.0981 ppm	0.0014 ppm	-0.0008 ppm	0.0007 ppm
Concentration RSD	152.4 %	0.3 %	40.9 %	0.2 %	7.8 %	126.8 %	14.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0440 ppm	98.4604 %	101.3908 %	91.9793 %	98.8315 %	101.9098 %	97.7790 %
Concentration per Run 1	0.0440 ppm	98.0412 %	100.7254 %	92.1404 %	98.3920 %	101.1522 %	98.0130 %
Concentration per Run 2	0.0435 ppm	99.0967 %	101.9129 %	91.6859 %	98.9338 %	102.5579 %	97.3937 %
Concentration per Run 3	0.0445 ppm	98.2434 %	101.5341 %	92.1115 %	99.1688 %	102.0194 %	97.9302 %
Concentration RSD	1.1 %	0.6 %	0.6 %	0.3 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538108-07 WG2082845
Analysis started at: 6/26/2025 10:28:51 AM
Rack 1
Vial 28
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0717 ppm	-0.0003 ppm	0.0440 ppm	0.0568 ppm	0.0000 ppm	16.0918 ppm
Concentration per Run 1	-0.0003 ppm	0.0701 ppm	0.0006 ppm	0.0441 ppm	0.0565 ppm	0.0000 ppm	16.0999 ppm
Concentration per Run 2	0.0002 ppm	0.0718 ppm	0.0005 ppm	0.0447 ppm	0.0569 ppm	0.0000 ppm	16.1682 ppm
Concentration per Run 3	0.0000 ppm	0.0732 ppm	-0.0019 ppm	0.0432 ppm	0.0570 ppm	0.0000 ppm	16.0074 ppm
Concentration RSD	563.6 %	2.2 %	516.9 %	1.6 %	0.5 %	25.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0015 ppm	0.0037 ppm	0.0026 ppm	0.1360 ppm	3.7263 ppm	0.0013 ppm
Concentration per Run 1	0.0001 ppm	0.0012 ppm	0.0036 ppm	0.0024 ppm	0.1356 ppm	3.7567 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	0.0015 ppm	0.0039 ppm	0.0025 ppm	0.1354 ppm	3.7208 ppm	0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0017 ppm	0.0035 ppm	0.0028 ppm	0.1370 ppm	3.7015 ppm	0.0013 ppm
Concentration RSD	214.7 %	18.8 %	5.2 %	8.4 %	0.6 %	0.8 %	8.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.2554 ppm	0.5869 ppm	0.0002 ppm	78.5031 ppm	0.0020 ppm	0.0007 ppm	0.0015 ppm
Concentration per Run 1	7.3221 ppm	0.5854 ppm	0.0001 ppm	78.7306 ppm	0.0025 ppm	0.0002 ppm	0.0022 ppm
Concentration per Run 2	7.2307 ppm	0.5868 ppm	0.0005 ppm	78.5755 ppm	0.0017 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 3	7.2134 ppm	0.5885 ppm	0.0001 ppm	78.2031 ppm	0.0020 ppm	0.0014 ppm	0.0016 ppm
Concentration RSD	0.8 %	0.3 %	104.6 %	0.3 %	19.4 %	91.4 %	45.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	1.2478 ppm	-0.0006 ppm	0.1327 ppm	0.0022 ppm	-0.0004 ppm	0.0016 ppm
Concentration per Run 1	0.0016 ppm	1.2563 ppm	-0.0015 ppm	0.1318 ppm	0.0020 ppm	-0.0005 ppm	0.0015 ppm
Concentration per Run 2	-0.0001 ppm	1.2388 ppm	-0.0003 ppm	0.1329 ppm	0.0018 ppm	-0.0003 ppm	0.0017 ppm
Concentration per Run 3	0.0016 ppm	1.2483 ppm	0.0001 ppm	0.1335 ppm	0.0029 ppm	-0.0004 ppm	0.0015 ppm
Concentration RSD	94.7 %	0.7 %	146.7 %	0.7 %	25.8 %	23.2 %	5.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0078 ppm	98.1936 %	101.1488 %	93.3218 %	99.0739 %	101.9372 %	98.7416 %
Concentration per Run 1	0.0082 ppm	97.3989 %	101.6648 %	92.7027 %	98.8162 %	102.3455 %	98.1641 %
Concentration per Run 2	0.0076 ppm	99.1690 %	100.7187 %	93.8511 %	100.0838 %	101.8398 %	99.2098 %
Concentration per Run 3	0.0077 ppm	98.0129 %	101.0628 %	93.4115 %	98.3216 %	101.6263 %	98.8510 %
Concentration RSD	4.0 %	0.9 %	0.5 %	0.6 %	0.9 %	0.4 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537450-04D2 WG2082971
Analysis started at: 6/26/2025 10:32:02 AM
Rack 1
Vial 29
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	27.2741 ppm	0.0082 ppm	0.0007 ppm	0.1086 ppm	0.0009 ppm	6.0539 ppm
Concentration per Run 1	-0.0008 ppm	27.4318 ppm	0.0078 ppm	0.0006 ppm	0.1086 ppm	0.0009 ppm	6.0347 ppm
Concentration per Run 2	-0.0005 ppm	27.4011 ppm	0.0091 ppm	0.0007 ppm	0.1087 ppm	0.0009 ppm	6.0212 ppm
Concentration per Run 3	-0.0006 ppm	26.9894 ppm	0.0076 ppm	0.0007 ppm	0.1084 ppm	0.0008 ppm	6.1058 ppm
Concentration RSD	20.8 %	0.9 %	9.9 %	13.8 %	0.1 %	9.0 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0261 ppm	0.0567 ppm	0.0679 ppm	31.3690 ppm	5.3024 ppm	0.0553 ppm
Concentration per Run 1	0.0008 ppm	0.0258 ppm	0.0569 ppm	0.0679 ppm	31.2537 ppm	5.3290 ppm	0.0567 ppm
Concentration per Run 2	0.0008 ppm	0.0261 ppm	0.0562 ppm	0.0677 ppm	31.1907 ppm	5.2911 ppm	0.0551 ppm
Concentration per Run 3	0.0007 ppm	0.0265 ppm	0.0571 ppm	0.0679 ppm	31.6625 ppm	5.2872 ppm	0.0541 ppm
Concentration RSD	6.3 %	1.3 %	0.8 %	0.2 %	0.8 %	0.4 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.6054 ppm	0.3960 ppm	0.0026 ppm	0.6357 ppm	0.0529 ppm	0.0242 ppm	0.0031 ppm
Concentration per Run 1	11.6852 ppm	0.3963 ppm	0.0025 ppm	0.6504 ppm	0.0540 ppm	0.0239 ppm	0.0031 ppm
Concentration per Run 2	11.5602 ppm	0.3937 ppm	0.0023 ppm	0.6339 ppm	0.0527 ppm	0.0244 ppm	0.0034 ppm
Concentration per Run 3	11.5709 ppm	0.3979 ppm	0.0029 ppm	0.6228 ppm	0.0520 ppm	0.0243 ppm	0.0029 ppm
Concentration RSD	0.6 %	0.5 %	10.7 %	2.2 %	1.9 %	1.0 %	7.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	2.9279 ppm	0.0069 ppm	0.0188 ppm	1.6593 ppm	0.0000 ppm	0.0523 ppm
Concentration per Run 1	0.0013 ppm	2.9772 ppm	0.0062 ppm	0.0190 ppm	1.6714 ppm	0.0008 ppm	0.0524 ppm
Concentration per Run 2	0.0010 ppm	2.9307 ppm	0.0072 ppm	0.0187 ppm	1.6488 ppm	-0.0010 ppm	0.0524 ppm
Concentration per Run 3	-0.0016 ppm	2.8759 ppm	0.0074 ppm	0.0187 ppm	1.6578 ppm	0.0002 ppm	0.0521 ppm
Concentration RSD	688.4 %	1.7 %	9.1 %	0.8 %	0.7 %	5,076.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1199 ppm	100.5567 %	101.3800 %	95.9630 %	104.3563 %	105.9214 %	105.4468 %
Concentration per Run 1	0.1205 ppm	99.8965 %	102.3630 %	95.4756 %	104.1170 %	107.2785 %	105.2258 %
Concentration per Run 2	0.1194 ppm	100.9878 %	101.9411 %	95.9757 %	104.2880 %	106.3456 %	105.3237 %
Concentration per Run 3	0.1197 ppm	100.7856 %	99.8358 %	96.4377 %	104.6640 %	104.1401 %	105.7909 %
Concentration RSD	0.4 %	0.6 %	1.3 %	0.5 %	0.3 %	1.5 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537450-06D2 WG2082971
Analysis started at: 6/26/2025 10:35:14 AM
Rack 1
Vial 30
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	28.1759 ppm	0.0193 ppm	-0.0001 ppm	0.1202 ppm	0.0011 ppm	7.6372 ppm
Concentration per Run 1	-0.0004 ppm	28.1098 ppm	0.0193 ppm	-0.0002 ppm	0.1205 ppm	0.0011 ppm	7.6122 ppm
Concentration per Run 2	-0.0002 ppm	28.2154 ppm	0.0206 ppm	0.0003 ppm	0.1198 ppm	0.0011 ppm	7.7057 ppm
Concentration per Run 3	-0.0004 ppm	28.2025 ppm	0.0179 ppm	-0.0003 ppm	0.1203 ppm	0.0011 ppm	7.5937 ppm
Concentration RSD	33.5 %	0.2 %	7.0 %	477.1 %	0.3 %	2.7 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0013 ppm	0.0373 ppm	0.0696 ppm	0.0823 ppm	30.0582 ppm	4.9572 ppm	0.0594 ppm
Concentration per Run 1	0.0013 ppm	0.0376 ppm	0.0690 ppm	0.0815 ppm	30.0576 ppm	4.9389 ppm	0.0599 ppm
Concentration per Run 2	0.0014 ppm	0.0370 ppm	0.0700 ppm	0.0829 ppm	30.0974 ppm	4.9424 ppm	0.0586 ppm
Concentration per Run 3	0.0013 ppm	0.0374 ppm	0.0698 ppm	0.0823 ppm	30.0197 ppm	4.9904 ppm	0.0599 ppm
Concentration RSD	4.3 %	0.8 %	0.8 %	0.9 %	0.1 %	0.6 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.0449 ppm	0.3961 ppm	0.0037 ppm	0.4481 ppm	0.0756 ppm	0.0299 ppm	0.0027 ppm
Concentration per Run 1	12.0687 ppm	0.3967 ppm	0.0037 ppm	0.4444 ppm	0.0748 ppm	0.0297 ppm	0.0021 ppm
Concentration per Run 2	11.9660 ppm	0.3977 ppm	0.0041 ppm	0.4416 ppm	0.0761 ppm	0.0302 ppm	0.0043 ppm
Concentration per Run 3	12.1001 ppm	0.3938 ppm	0.0034 ppm	0.4583 ppm	0.0759 ppm	0.0299 ppm	0.0018 ppm
Concentration RSD	0.6 %	0.5 %	9.8 %	2.0 %	0.9 %	0.9 %	49.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	2.3480 ppm	0.0067 ppm	0.0196 ppm	2.1162 ppm	-0.0015 ppm	0.0609 ppm
Concentration per Run 1	0.0012 ppm	2.3657 ppm	0.0068 ppm	0.0196 ppm	2.1077 ppm	-0.0017 ppm	0.0604 ppm
Concentration per Run 2	0.0019 ppm	2.3638 ppm	0.0074 ppm	0.0195 ppm	2.1124 ppm	-0.0016 ppm	0.0611 ppm
Concentration per Run 3	0.0013 ppm	2.3144 ppm	0.0058 ppm	0.0196 ppm	2.1285 ppm	-0.0011 ppm	0.0613 ppm
Concentration RSD	26.6 %	1.2 %	12.6 %	0.3 %	0.5 %	21.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1091 ppm	100.5582 %	101.9443 %	94.4980 %	106.6580 %	109.1614 %	106.5911 %
Concentration per Run 1	0.1079 ppm	100.6597 %	101.6789 %	94.4600 %	108.1884 %	108.3786 %	106.6683 %
Concentration per Run 2	0.1098 ppm	100.3430 %	101.8316 %	94.4564 %	105.5958 %	109.6889 %	106.2708 %
Concentration per Run 3	0.1097 ppm	100.6718 %	102.3223 %	94.5776 %	106.1898 %	109.4166 %	106.8342 %
Concentration RSD	1.0 %	0.2 %	0.3 %	0.1 %	1.3 %	0.6 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 10:38:26 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4683 ppm	0.4648 ppm	0.4765 ppm	0.4870 ppm	0.4920 ppm	0.4970 ppm	0.4775 ppm
Concentration per Run 1	0.4698 ppm	0.4652 ppm	0.4780 ppm	0.4882 ppm	0.4926 ppm	0.4965 ppm	0.4781 ppm
Concentration per Run 2	0.4680 ppm	0.4659 ppm	0.4765 ppm	0.4886 ppm	0.4906 ppm	0.4971 ppm	0.4781 ppm
Concentration per Run 3	0.4671 ppm	0.4632 ppm	0.4751 ppm	0.4843 ppm	0.4927 ppm	0.4974 ppm	0.4763 ppm
Recovery Percentage 1	93.666 %	92.951 %	95.304 %	97.407 %	98.395 %	99.406 %	95.495 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.5 %	0.2 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4734 ppm	0.4905 ppm	0.5124 ppm	0.4734 ppm	0.4923 ppm	5.0226 ppm	0.5042 ppm
Concentration per Run 1	0.4765 ppm	0.4928 ppm	0.5140 ppm	0.4735 ppm	0.4896 ppm	5.0378 ppm	0.5061 ppm
Concentration per Run 2	0.4706 ppm	0.4877 ppm	0.5119 ppm	0.4742 ppm	0.4952 ppm	5.0147 ppm	0.5054 ppm
Concentration per Run 3	0.4730 ppm	0.4911 ppm	0.5114 ppm	0.4724 ppm	0.4920 ppm	5.0152 ppm	0.5011 ppm
Recovery Percentage 1	94.673 %	98.105 %	102.485 %	94.676 %	98.450 %	100.451 %	100.844 %
Concentration RSD	0.6 %	0.5 %	0.3 %	0.2 %	0.6 %	0.3 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5025 ppm	0.4845 ppm	0.5012 ppm	9.9201 ppm	0.5205 ppm	0.5051 ppm	0.4669 ppm
Concentration per Run 1	0.5036 ppm	0.4821 ppm	0.5023 ppm	9.9858 ppm	0.5214 ppm	0.5063 ppm	0.4717 ppm
Concentration per Run 2	0.5036 ppm	0.4860 ppm	0.4994 ppm	9.8971 ppm	0.5216 ppm	0.5023 ppm	0.4625 ppm
Concentration per Run 3	0.5004 ppm	0.4856 ppm	0.5020 ppm	9.8774 ppm	0.5186 ppm	0.5066 ppm	0.4664 ppm
Recovery Percentage 1	100.502 %	96.909 %	100.242 %	99.201 %	104.108 %	101.015 %	93.374 %
Concentration RSD	0.4 %	0.4 %	0.3 %	0.6 %	0.3 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4781 ppm	5.0358 ppm	0.5127 ppm	0.4952 ppm	0.5094 ppm	0.5036 ppm	0.4735 ppm
Concentration per Run 1	0.4753 ppm	5.0461 ppm	0.5138 ppm	0.4952 ppm	0.5103 ppm	0.5035 ppm	0.4737 ppm
Concentration per Run 2	0.4812 ppm	5.0242 ppm	0.5114 ppm	0.4943 ppm	0.5097 ppm	0.5054 ppm	0.4732 ppm
Concentration per Run 3	0.4779 ppm	5.0370 ppm	0.5128 ppm	0.4960 ppm	0.5082 ppm	0.5020 ppm	0.4737 ppm
Recovery Percentage 1	95.625 %	95.920 %	102.535 %	99.033 %	101.881 %	100.725 %	94.709 %
Concentration RSD	0.6 %	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5175 ppm	100.6021 %	102.7408 %	97.0710 %	99.6025 %	101.4635 %	98.9373 %
Concentration per Run 1	0.5166 ppm	100.2559 %	102.7039 %	97.3448 %	98.9765 %	101.3115 %	99.1472 %
Concentration per Run 2	0.5175 ppm	100.6496 %	102.3230 %	96.7740 %	99.9247 %	101.2958 %	98.7822 %
Concentration per Run 3	0.5183 ppm	100.9008 %	103.1953 %	97.0942 %	99.9063 %	101.7833 %	98.8825 %
Recovery Percentage 1	103.496 %						
Concentration RSD	0.2 %	0.3 %	0.4 %	0.3 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 10:41:38 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0110 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	-0.0092 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 2	-0.0001 ppm	-0.0154 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	-0.0002 ppm	-0.0084 ppm	-0.0004 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Recovery Percentage 1	-1.670 %	-10.962 %	0.112 %	-0.850 %	-0.164 %	-0.403 %	1.153 %
Concentration RSD	37.2 %	34.9 %	7,268.4 %	79.0 %	154.0 %	88.9 %	124.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	0.0006 ppm	-0.0035 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0004 ppm	-0.0002 ppm	0.0006 ppm	0.0030 ppm	0.0007 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0010 ppm	-0.0081 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	-0.0003 ppm	-0.0004 ppm	-0.0002 ppm	0.0003 ppm	-0.0052 ppm	0.0006 ppm
Recovery Percentage 1	1.544 %	0.021 %	-3.632 %	-1.055 %	1.235 %	-0.138 %	11.583 %
Concentration RSD	22.1 %	6,673.6 %	2.9 %	120.6 %	63.8 %	166.9 %	16.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0003 ppm	0.0000 ppm	0.0024 ppm	-0.0010 ppm	-0.0002 ppm	-0.0004 ppm	0.0030 ppm
Concentration per Run 1	-0.0012 ppm	0.0001 ppm	0.0024 ppm	-0.0030 ppm	-0.0001 ppm	-0.0007 ppm	0.0031 ppm
Concentration per Run 2	0.0002 ppm	0.0000 ppm	0.0028 ppm	-0.0024 ppm	0.0002 ppm	-0.0001 ppm	0.0031 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0019 ppm	0.0022 ppm	-0.0007 ppm	-0.0005 ppm	0.0030 ppm
Recovery Percentage 1	-0.327 %	0.414 %	4.795 %	-0.052 %	-0.858 %	-4.334 %	6.090 %
Concentration RSD	225.9 %	191.3 %	18.1 %	274.6 %	219.1 %	73.6 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0010 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0002 ppm	0.0012 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0015 ppm	0.0021 ppm	0.0006 ppm	-0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 3	-0.0007 ppm	-0.0003 ppm	-0.0009 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	3.263 %	0.206 %	-0.010 %	-0.769 %	1.745 %	-1.261 %	-0.231 %
Concentration RSD	328.3 %	118.8 %	16,372.9 %	3.2 %	79.8 %	126.9 %	179.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.3604 %	101.5972 %	98.7034 %	100.8280 %	101.6992 %	101.0821 %
Concentration per Run 1	0.0002 ppm	98.7679 %	102.2106 %	98.7874 %	100.5868 %	101.7552 %	101.2889 %
Concentration per Run 2	0.0001 ppm	99.2395 %	101.4964 %	98.6276 %	100.9492 %	101.7592 %	101.1158 %
Concentration per Run 3	0.0002 ppm	100.0739 %	101.0846 %	98.6954 %	100.9479 %	101.5833 %	100.8417 %
Recovery Percentage 1	3.473 %						
Concentration RSD	35.7 %	0.7 %	0.6 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082817-2 WG2082817
Analysis started at: 6/26/2025 10:50:05 AM
Rack 1
Vial 31
Comment rr Fe

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0524 ppm	2.2498 ppm	0.1202 ppm	0.9915 ppm	2.2253 ppm	0.0551 ppm	9.9199 ppm
Concentration per Run 1	0.0525 ppm	2.2539 ppm	0.1196 ppm	0.9846 ppm	2.2216 ppm	0.0551 ppm	9.9071 ppm
Concentration per Run 2	0.0526 ppm	2.2463 ppm	0.1216 ppm	0.9934 ppm	2.2310 ppm	0.0551 ppm	9.8727 ppm
Concentration per Run 3	0.0522 ppm	2.2493 ppm	0.1193 ppm	0.9965 ppm	2.2233 ppm	0.0552 ppm	9.9798 ppm
Concentration RSD	0.4 %	0.2 %	1.0 %	0.6 %	0.2 %	0.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0492 ppm	0.5294 ppm	0.2251 ppm	0.2619 ppm	1.1006 ppm	10.6764 ppm	0.0006 ppm
Concentration per Run 1	0.0492 ppm	0.5302 ppm	0.2240 ppm	0.2626 ppm	1.0991 ppm	10.5759 ppm	0.0004 ppm
Concentration per Run 2	0.0491 ppm	0.5275 ppm	0.2257 ppm	0.2614 ppm	1.0962 ppm	10.6903 ppm	0.0004 ppm
Concentration per Run 3	0.0493 ppm	0.5304 ppm	0.2257 ppm	0.2616 ppm	1.1064 ppm	10.7632 ppm	0.0010 ppm
Concentration RSD	0.2 %	0.3 %	0.4 %	0.2 %	0.5 %	0.9 %	55.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.3311 ppm	0.5334 ppm	1.0195 ppm	10.6957 ppm	0.5707 ppm	0.5428 ppm	0.3682 ppm
Concentration per Run 1	10.3329 ppm	0.5347 ppm	1.0174 ppm	10.6381 ppm	0.5680 ppm	0.5441 ppm	0.3653 ppm
Concentration per Run 2	10.3420 ppm	0.5320 ppm	1.0189 ppm	10.6682 ppm	0.5732 ppm	0.5455 ppm	0.3645 ppm
Concentration per Run 3	10.3182 ppm	0.5334 ppm	1.0223 ppm	10.7806 ppm	0.5708 ppm	0.5389 ppm	0.3747 ppm
Concentration RSD	0.1 %	0.2 %	0.2 %	0.7 %	0.5 %	0.6 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1204 ppm	1.1010 ppm	1.0159 [SIC 20]	1.0023 ppm	1.0498 ppm	0.1224 ppm	0.5332 ppm
Concentration per Run 1	0.1215 ppm	1.1059 ppm	1.0081 ppm	1.0017 ppm	1.0494 ppm	0.1219 ppm	0.5354 ppm
Concentration per Run 2	0.1189 ppm	1.0964 ppm	1.0194 ppm	1.0049 ppm	1.0523 ppm	0.1233 ppm	0.5339 ppm
Concentration per Run 3	0.1210 ppm	1.1007 ppm	1.0203 ppm	1.0002 ppm	1.0476 ppm	0.1220 ppm	0.5301 ppm
Concentration RSD	1.1 %	0.4 %	0.7 %	0.2 %	0.2 %	0.6 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5705 ppm	101.0798 %	102.4613 %	96.1203 %	99.9952 %	101.0343 %	98.2137 %
Concentration per Run 1	0.5671 ppm	101.2470 %	102.6399 %	96.0289 %	99.5768 %	101.2670 %	98.0758 %
Concentration per Run 2	0.5711 ppm	101.3274 %	102.6365 %	95.8879 %	100.0747 %	100.8764 %	98.1380 %
Concentration per Run 3	0.5733 ppm	100.6650 %	102.1074 %	96.4443 %	100.3341 %	100.9596 %	98.4273 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: Test FPS 0930 CLH
Analysis started at: 6/26/2025 10:53:29 AM
Rack 1
Vial 32
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0091 ppm	0.1135 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	0.0000 ppm	-0.0078 ppm	0.1139 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 2	-0.0001 ppm	-0.0066 ppm	0.1133 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	-0.0130 ppm	0.1133 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration RSD	1,333.3 %	37.2 %	0.3 %	4,473.0 %	14.3 %	152.0 %	78.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0028 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0010 ppm	0.0029 ppm	0.0009 ppm
Concentration per Run 1	0.0029 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	0.0072 ppm	0.0009 ppm
Concentration per Run 2	0.0028 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0010 ppm	0.0091 ppm	0.0006 ppm
Concentration per Run 3	0.0028 ppm	0.0003 ppm	0.0000 ppm	-0.0005 ppm	0.0029 ppm	-0.0075 ppm	0.0012 ppm
Concentration RSD	2.8 %	4,519.4 %	126.6 %	255.3 %	197.3 %	308.2 %	31.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0018 ppm	0.0001 ppm	0.0072 ppm	-0.0001 ppm	-0.0001 ppm	0.5426 ppm	0.0165 ppm
Concentration per Run 1	0.0026 ppm	0.0001 ppm	0.0075 ppm	0.0009 ppm	-0.0004 ppm	0.5458 ppm	0.0179 ppm
Concentration per Run 2	0.0010 ppm	0.0002 ppm	0.0073 ppm	0.0006 ppm	0.0002 ppm	0.5387 ppm	0.0150 ppm
Concentration per Run 3	0.0018 ppm	0.0000 ppm	0.0067 ppm	-0.0019 ppm	-0.0001 ppm	0.5432 ppm	0.0167 ppm
Concentration RSD	43.9 %	68.6 %	5.3 %	1,147.8 %	298.9 %	0.7 %	8.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1172 ppm	-0.0007 ppm	0.0071 ppm	-0.0001 ppm	0.0006 ppm	0.1205 ppm	0.0000 ppm
Concentration per Run 1	0.1171 ppm	-0.0006 ppm	0.0075 ppm	0.0000 ppm	0.0005 ppm	0.1197 ppm	0.0001 ppm
Concentration per Run 2	0.1163 ppm	-0.0004 ppm	0.0068 ppm	-0.0001 ppm	0.0006 ppm	0.1208 ppm	0.0000 ppm
Concentration per Run 3	0.1181 ppm	-0.0010 ppm	0.0070 ppm	0.0000 ppm	0.0006 ppm	0.1211 ppm	0.0001 ppm
Concentration RSD	0.8 %	41.1 %	4.4 %	54.5 %	7.2 %	0.6 %	220.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.5102 %	101.4021 %	99.7920 %	101.8443 %	101.5039 %	101.6836 %
Concentration per Run 1	0.0003 ppm	100.0766 %	101.6011 %	99.5961 %	100.8555 %	102.0403 %	101.3836 %
Concentration per Run 2	0.0002 ppm	100.3658 %	101.7150 %	100.5337 %	102.3603 %	101.1925 %	102.3814 %
Concentration per Run 3	0.0002 ppm	101.0882 %	100.8903 %	99.2461 %	102.3172 %	101.2790 %	101.2858 %
Concentration RSD	25.5 %	0.5 %	0.4 %	0.7 %	0.8 %	0.5 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 10:56:42 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4707 ppm	0.4597 ppm	0.4769 ppm	0.4903 ppm	0.4948 ppm	0.4962 ppm	0.4749 ppm
Concentration per Run 1	0.4682 ppm	0.4630 ppm	0.4785 ppm	0.4955 ppm	0.4923 ppm	0.4960 ppm	0.4743 ppm
Concentration per Run 2	0.4722 ppm	0.4611 ppm	0.4782 ppm	0.4848 ppm	0.4967 ppm	0.4965 ppm	0.4769 ppm
Concentration per Run 3	0.4716 ppm	0.4551 ppm	0.4741 ppm	0.4906 ppm	0.4954 ppm	0.4962 ppm	0.4735 ppm
Recovery Percentage 1	94.134 %	91.946 %	95.388 %	98.058 %	98.956 %	99.247 %	94.979 %
Concentration RSD	0.5 %	0.9 %	0.5 %	1.1 %	0.5 %	0.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4704 ppm	0.4886 ppm	0.5155 ppm	0.4734 ppm	0.4892 ppm	5.0200 ppm	0.5085 ppm
Concentration per Run 1	0.4716 ppm	0.4905 ppm	0.5191 ppm	0.4724 ppm	0.4895 ppm	5.0337 ppm	0.5084 ppm
Concentration per Run 2	0.4717 ppm	0.4879 ppm	0.5118 ppm	0.4738 ppm	0.4889 ppm	4.9831 ppm	0.5079 ppm
Concentration per Run 3	0.4680 ppm	0.4875 ppm	0.5155 ppm	0.4739 ppm	0.4891 ppm	5.0434 ppm	0.5093 ppm
Recovery Percentage 1	94.086 %	97.727 %	103.094 %	94.676 %	97.841 %	100.401 %	101.705 %
Concentration RSD	0.4 %	0.3 %	0.7 %	0.2 %	0.1 %	0.6 %	0.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5007 ppm	0.4822 ppm	0.5034 ppm	9.9615 ppm	0.5239 ppm	0.5039 ppm	0.4853 ppm
Concentration per Run 1	0.5010 ppm	0.4835 ppm	0.5046 ppm	10.0563 ppm	0.5281 ppm	0.5040 ppm	0.4829 ppm
Concentration per Run 2	0.4992 ppm	0.4807 ppm	0.5005 ppm	9.8658 ppm	0.5179 ppm	0.5046 ppm	0.4856 ppm
Concentration per Run 3	0.5019 ppm	0.4825 ppm	0.5050 ppm	9.9624 ppm	0.5257 ppm	0.5030 ppm	0.4873 ppm
Recovery Percentage 1	100.144 %	96.442 %	100.675 %	99.615 %	104.776 %	100.773 %	97.053 %
Concentration RSD	0.3 %	0.3 %	0.5 %	1.0 %	1.0 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4808 ppm	5.0178 ppm	0.5210 ppm	0.4970 ppm	0.5115 ppm	0.5037 ppm	0.4728 ppm
Concentration per Run 1	0.4852 ppm	5.0315 ppm	0.5269 ppm	0.4973 ppm	0.5135 ppm	0.5049 ppm	0.4708 ppm
Concentration per Run 2	0.4795 ppm	4.9992 ppm	0.5137 ppm	0.4973 ppm	0.5095 ppm	0.5030 ppm	0.4741 ppm
Concentration per Run 3	0.4778 ppm	5.0226 ppm	0.5225 ppm	0.4964 ppm	0.5114 ppm	0.5030 ppm	0.4736 ppm
Recovery Percentage 1	96.170 %	95.577 %	104.202 %	99.404 %	102.297 %	100.734 %	94.570 %
Concentration RSD	0.8 %	0.3 %	1.3 %	0.1 %	0.4 %	0.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5175 ppm	100.2059 %	102.1645 %	96.8054 %	98.7434 %	100.3286 %	98.4573 %
Concentration per Run 1	0.5224 ppm	99.2800 %	102.5204 %	96.6233 %	98.8889 %	100.8455 %	98.2723 %
Concentration per Run 2	0.5104 ppm	101.2154 %	101.4278 %	96.6391 %	98.6707 %	99.6431 %	98.1677 %
Concentration per Run 3	0.5195 ppm	100.1224 %	102.5455 %	97.1539 %	98.6706 %	100.4974 %	98.9318 %
Recovery Percentage 1	103.491 %						
Concentration RSD	1.2 %	1.0 %	0.6 %	0.3 %	0.1 %	0.6 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 10:59:54 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0078 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 1	-0.0002 ppm	-0.0078 ppm	0.0008 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	-0.0002 ppm	-0.0094 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 3	0.0000 ppm	-0.0062 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Recovery Percentage 1	-1.487 %	-7.803 %	3.299 %	1.394 %	0.411 %	0.302 %	1.056 %
Concentration RSD	107.0 %	20.7 %	479.6 %	239.2 %	89.7 %	53.0 %	100.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm	0.0007 ppm	-0.0132 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	-0.0107 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0010 ppm	-0.0116 ppm	0.0003 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0001 ppm	0.0010 ppm	-0.0174 ppm	0.0000 ppm
Recovery Percentage 1	1.257 %	0.791 %	-3.824 %	0.184 %	1.332 %	-0.530 %	5.000 %
Concentration RSD	61.0 %	92.9 %	49.7 %	734.9 %	86.1 %	27.3 %	110.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0029 ppm	-0.0017 ppm	0.0000 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run 1	0.0005 ppm	-0.0001 ppm	0.0031 ppm	-0.0041 ppm	0.0001 ppm	-0.0001 ppm	0.0052 ppm
Concentration per Run 2	0.0010 ppm	0.0002 ppm	0.0026 ppm	-0.0008 ppm	-0.0003 ppm	0.0007 ppm	0.0035 ppm
Concentration per Run 3	-0.0009 ppm	-0.0001 ppm	0.0030 ppm	-0.0002 ppm	0.0001 ppm	-0.0006 ppm	0.0052 ppm
Recovery Percentage 1	0.219 %	-0.234 %	5.802 %	-0.085 %	-0.173 %	-0.037 %	9.290 %
Concentration RSD	455.9 %	729.8 %	8.0 %	123.0 %	520.8 %	17,630.4 %	21.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	-0.0003 ppm	0.0014 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 1	-0.0013 ppm	-0.0001 ppm	0.0018 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	0.0006 ppm	-0.0006 ppm	0.0013 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 3	0.0016 ppm	-0.0004 ppm	0.0012 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	3.065 %	-0.069 %	2.855 %	-0.413 %	1.874 %	1.994 %	-0.282 %
Concentration RSD	478.5 %	73.9 %	24.1 %	115.3 %	57.1 %	103.0 %	441.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	99.3538 %	100.3243 %	97.3681 %	100.3020 %	100.4612 %	99.8011 %
Concentration per Run 1	0.0002 ppm	98.9887 %	99.9426 %	97.0218 %	100.0090 %	100.2322 %	99.0566 %
Concentration per Run 2	-0.0001 ppm	99.4645 %	99.8527 %	97.3934 %	100.4333 %	100.6428 %	100.1646 %
Concentration per Run 3	0.0001 ppm	99.6082 %	101.1776 %	97.6890 %	100.4637 %	100.5085 %	100.1822 %
Recovery Percentage 1	1.184 %						
Concentration RSD	245.2 %	0.3 %	0.7 %	0.3 %	0.3 %	0.2 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535960-01 WG2078070
Analysis started at: 6/26/2025 11:22:16 AM
Rack 1
Vial 33
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0050 ppm	-0.0007 ppm	0.0034 ppm	0.0046 ppm	0.0000 ppm	25.5395 ppm
Concentration per Run 1	-0.0003 ppm	-0.0062 ppm	-0.0005 ppm	0.0032 ppm	0.0047 ppm	0.0000 ppm	25.7325 ppm
Concentration per Run 2	-0.0004 ppm	-0.0057 ppm	-0.0007 ppm	0.0030 ppm	0.0046 ppm	0.0000 ppm	25.5679 ppm
Concentration per Run 3	-0.0004 ppm	-0.0031 ppm	-0.0008 ppm	0.0040 ppm	0.0046 ppm	0.0000 ppm	25.3180 ppm
Concentration RSD	14.5 %	33.3 %	28.2 %	16.6 %	0.5 %	109.2 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0102 ppm	0.0171 ppm	1.6502 ppm	0.0038 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0103 ppm	0.0172 ppm	1.6724 ppm	0.0043 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0102 ppm	0.0162 ppm	1.6425 ppm	0.0032 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0102 ppm	0.0179 ppm	1.6356 ppm	0.0040 ppm
Concentration RSD	169.7 %	325.0 %	39.7 %	0.8 %	5.0 %	1.2 %	14.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.9839 ppm	0.0006 ppm	0.0003 ppm	6.0003 ppm	0.0004 ppm	0.0009 ppm	0.0016 ppm
Concentration per Run 1	3.9678 ppm	0.0006 ppm	0.0004 ppm	6.0450 ppm	0.0009 ppm	0.0011 ppm	0.0016 ppm
Concentration per Run 2	4.0175 ppm	0.0007 ppm	0.0005 ppm	5.9165 ppm	0.0004 ppm	0.0007 ppm	0.0011 ppm
Concentration per Run 3	3.9663 ppm	0.0006 ppm	0.0000 ppm	6.0394 ppm	0.0000 ppm	0.0009 ppm	0.0021 ppm
Concentration RSD	0.7 %	9.9 %	95.1 %	1.2 %	98.8 %	26.4 %	29.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	7.4525 ppm	-0.0010 ppm	0.1337 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 1	-0.0009 ppm	7.4358 ppm	-0.0002 ppm	0.1336 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 2	-0.0006 ppm	7.4738 ppm	-0.0016 ppm	0.1341 ppm	0.0000 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 3	0.0003 ppm	7.4480 ppm	-0.0011 ppm	0.1334 ppm	-0.0001 ppm	-0.0003 ppm	0.0003 ppm
Concentration RSD	170.1 %	0.3 %	70.1 %	0.3 %	1,227.9 %	248.8 %	38.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0104 ppm	101.6976 %	101.2890 %	97.2573 %	99.8847 %	100.0378 %	98.7119 %
Concentration per Run 1	0.0104 ppm	101.5678 %	100.2908 %	96.7447 %	99.4797 %	99.3990 %	98.3139 %
Concentration per Run 2	0.0104 ppm	100.6255 %	100.7693 %	97.6174 %	99.3781 %	99.6783 %	98.9640 %
Concentration per Run 3	0.0103 ppm	102.8996 %	102.8069 %	97.4098 %	100.7964 %	101.0361 %	98.8577 %
Concentration RSD	0.4 %	1.1 %	1.3 %	0.5 %	0.8 %	0.9 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535968-01 WG2078070
Analysis started at: 6/26/2025 11:25:41 AM
Rack 1
Vial 34
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0222 ppm	0.0036 ppm	0.0293 ppm	0.0238 ppm	0.0000 ppm	31.8444 ppm
Concentration per Run 1	-0.0003 ppm	0.0267 ppm	0.0046 ppm	0.0303 ppm	0.0239 ppm	0.0000 ppm	32.0940 ppm
Concentration per Run 2	-0.0001 ppm	0.0247 ppm	0.0035 ppm	0.0295 ppm	0.0238 ppm	0.0000 ppm	31.9804 ppm
Concentration per Run 3	-0.0002 ppm	0.0152 ppm	0.0027 ppm	0.0280 ppm	0.0236 ppm	0.0000 ppm	31.4587 ppm
Concentration RSD	64.7 %	27.8 %	26.1 %	4.1 %	0.7 %	14.4 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0013 ppm	0.0000 ppm	0.0073 ppm	0.7158 ppm	3.0480 ppm	0.0026 ppm
Concentration per Run 1	0.0001 ppm	0.0011 ppm	0.0000 ppm	0.0073 ppm	0.7237 ppm	3.0351 ppm	0.0022 ppm
Concentration per Run 2	0.0001 ppm	0.0016 ppm	0.0000 ppm	0.0072 ppm	0.7147 ppm	3.0540 ppm	0.0032 ppm
Concentration per Run 3	0.0000 ppm	0.0013 ppm	0.0000 ppm	0.0074 ppm	0.7091 ppm	3.0549 ppm	0.0024 ppm
Concentration RSD	85.4 %	18.4 %	2,752.3 %	1.8 %	1.0 %	0.4 %	21.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.4939 ppm	0.6096 ppm	0.0007 ppm	131.2188 ppm	0.0028 ppm	-0.0001 ppm	0.0026 ppm
Concentration per Run 1	5.5332 ppm	0.6125 ppm	0.0010 ppm	129.7444 ppm	0.0029 ppm	0.0005 ppm	0.0033 ppm
Concentration per Run 2	5.5053 ppm	0.6112 ppm	0.0009 ppm	131.8834 ppm	0.0022 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run 3	5.4433 ppm	0.6051 ppm	0.0002 ppm	132.0284 ppm	0.0034 ppm	0.0000 ppm	0.0038 ppm
Concentration RSD	0.8 %	0.7 %	66.5 %	1.0 %	20.1 %	593.2 %	68.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	4.5233 ppm	-0.0012 ppm	0.1807 ppm	0.0010 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 1	-0.0016 ppm	4.5291 ppm	-0.0017 ppm	0.1806 ppm	0.0009 ppm	-0.0013 ppm	0.0006 ppm
Concentration per Run 2	0.0002 ppm	4.5311 ppm	-0.0009 ppm	0.1806 ppm	0.0012 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 3	-0.0018 ppm	4.5098 ppm	-0.0009 ppm	0.1810 ppm	0.0010 ppm	0.0008 ppm	0.0008 ppm
Concentration RSD	102.5 %	0.3 %	39.2 %	0.1 %	17.5 %	720.4 %	30.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0501 ppm	96.5448 %	100.8683 %	89.2846 %	94.5387 %	99.4574 %	94.3406 %
Concentration per Run 1	0.0506 ppm	96.6907 %	99.7496 %	89.0369 %	94.8803 %	98.6401 %	93.9633 %
Concentration per Run 2	0.0505 ppm	95.6048 %	100.2334 %	88.9993 %	93.3232 %	98.9356 %	94.0042 %
Concentration per Run 3	0.0491 ppm	97.3388 %	102.6219 %	89.8175 %	95.4125 %	100.7965 %	95.0545 %
Concentration RSD	1.7 %	0.9 %	1.5 %	0.5 %	1.1 %	1.2 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535968-02 WG2078070
Analysis started at: 6/26/2025 11:28:55 AM
Rack 1
Vial 35
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0027 ppm	0.0328 ppm	0.0174 ppm	0.0168 ppm	0.0000 ppm	21.8136 ppm
Concentration per Run 1	0.0000 ppm	-0.0050 ppm	0.0319 ppm	0.0184 ppm	0.0169 ppm	0.0000 ppm	21.7907 ppm
Concentration per Run 2	-0.0001 ppm	-0.0013 ppm	0.0336 ppm	0.0171 ppm	0.0168 ppm	0.0000 ppm	21.7765 ppm
Concentration per Run 3	0.0000 ppm	-0.0019 ppm	0.0329 ppm	0.0167 ppm	0.0168 ppm	0.0000 ppm	21.8736 ppm
Concentration RSD	92.1 %	71.5 %	2.7 %	5.0 %	0.2 %	67.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0039 ppm	0.0000 ppm	0.0048 ppm	4.8352 ppm	3.2418 ppm	0.0031 ppm
Concentration per Run 1	0.0001 ppm	0.0041 ppm	0.0000 ppm	0.0047 ppm	4.8573 ppm	3.2675 ppm	0.0031 ppm
Concentration per Run 2	0.0001 ppm	0.0041 ppm	0.0001 ppm	0.0048 ppm	4.8129 ppm	3.2300 ppm	0.0030 ppm
Concentration per Run 3	0.0002 ppm	0.0035 ppm	0.0000 ppm	0.0048 ppm	4.8355 ppm	3.2278 ppm	0.0032 ppm
Concentration RSD	49.0 %	8.4 %	171.4 %	1.2 %	0.5 %	0.7 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.8732 ppm	0.6234 ppm	0.0008 ppm	129.9473 ppm	0.0013 ppm	-0.0006 ppm	0.0015 ppm
Concentration per Run 1	4.8675 ppm	0.6240 ppm	0.0004 ppm	130.1026 ppm	0.0014 ppm	-0.0002 ppm	0.0021 ppm
Concentration per Run 2	4.8703 ppm	0.6212 ppm	0.0006 ppm	129.4602 ppm	0.0007 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 3	4.8819 ppm	0.6250 ppm	0.0012 ppm	130.2790 ppm	0.0018 ppm	-0.0007 ppm	0.0024 ppm
Concentration RSD	0.2 %	0.3 %	51.0 %	0.3 %	43.5 %	60.8 %	84.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	5.9704 ppm	-0.0010 ppm	0.1731 ppm	-0.0001 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 1	0.0020 ppm	5.9579 ppm	-0.0009 ppm	0.1735 ppm	0.0000 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run 2	0.0017 ppm	5.9632 ppm	-0.0006 ppm	0.1729 ppm	-0.0002 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0005 ppm	5.9899 ppm	-0.0016 ppm	0.1730 ppm	-0.0001 ppm	-0.0010 ppm	0.0001 ppm
Concentration RSD	57.1 %	0.3 %	49.1 %	0.2 %	60.6 %	160.7 %	86.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0102 ppm	97.2807 %	101.4848 %	89.6020 %	94.5569 %	99.2779 %	94.8201 %
Concentration per Run 1	0.0103 ppm	97.0136 %	101.3605 %	88.9804 %	94.5018 %	99.8038 %	94.5071 %
Concentration per Run 2	0.0100 ppm	97.4535 %	101.4482 %	89.7499 %	94.8581 %	98.4809 %	94.7538 %
Concentration per Run 3	0.0102 ppm	97.3752 %	101.6456 %	90.0756 %	94.3107 %	99.5491 %	95.1994 %
Concentration RSD	1.7 %	0.2 %	0.1 %	0.6 %	0.3 %	0.7 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536193-02 WG2078070
Analysis started at: 6/26/2025 11:32:08 AM
Rack 1
Vial 36
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	-0.0064 ppm	-0.0005 ppm	0.0097 ppm	0.0899 ppm	0.0000 ppm	70.7233 ppm
Concentration per Run 1	-0.0005 ppm	-0.0029 ppm	0.0006 ppm	0.0077 ppm	0.0900 ppm	0.0000 ppm	70.9024 ppm
Concentration per Run 2	-0.0003 ppm	-0.0082 ppm	-0.0016 ppm	0.0109 ppm	0.0899 ppm	0.0000 ppm	70.4497 ppm
Concentration per Run 3	-0.0001 ppm	-0.0082 ppm	-0.0005 ppm	0.0105 ppm	0.0897 ppm	0.0000 ppm	70.8177 ppm
Concentration RSD	77.8 %	47.5 %	234.6 %	17.6 %	0.2 %	190.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0201 ppm	0.0633 ppm	5.5607 ppm	0.0082 ppm
Concentration per Run 1	-0.0003 ppm	-0.0005 ppm	-0.0001 ppm	0.0200 ppm	0.0633 ppm	5.5227 ppm	0.0088 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0202 ppm	0.0629 ppm	5.6139 ppm	0.0081 ppm
Concentration per Run 3	-0.0003 ppm	0.0006 ppm	-0.0001 ppm	0.0202 ppm	0.0636 ppm	5.5455 ppm	0.0077 ppm
Concentration RSD	12.6 %	1,121.4 %	89.4 %	0.4 %	0.5 %	0.9 %	7.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.2168 ppm	0.0107 ppm	0.0008 ppm	36.8063 ppm	0.0005 ppm	0.0003 ppm	0.0030 ppm
Concentration per Run 1	7.2220 ppm	0.0108 ppm	0.0009 ppm	36.8239 ppm	0.0006 ppm	0.0010 ppm	0.0039 ppm
Concentration per Run 2	7.2386 ppm	0.0106 ppm	0.0008 ppm	36.7009 ppm	0.0012 ppm	-0.0001 ppm	0.0029 ppm
Concentration per Run 3	7.1897 ppm	0.0106 ppm	0.0007 ppm	36.8941 ppm	-0.0001 ppm	0.0001 ppm	0.0022 ppm
Concentration RSD	0.3 %	0.9 %	13.4 %	0.3 %	119.4 %	177.4 %	28.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	6.4028 ppm	-0.0009 ppm	0.2756 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0005 ppm	6.3792 ppm	-0.0010 ppm	0.2751 ppm	-0.0001 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 2	-0.0014 ppm	6.4279 ppm	-0.0007 ppm	0.2759 ppm	0.0001 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	-0.0013 ppm	6.4012 ppm	-0.0008 ppm	0.2760 ppm	0.0000 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	153.9 %	0.4 %	16.4 %	0.2 %	663.4 %	4,139.7 %	75.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0312 ppm	98.0122 %	100.8249 %	91.3617 %	95.8604 %	99.1890 %	95.1933 %
Concentration per Run 1	0.0311 ppm	97.6830 %	100.9758 %	91.2341 %	95.3846 %	99.6808 %	95.3026 %
Concentration per Run 2	0.0315 ppm	97.9765 %	101.0544 %	91.2360 %	96.1809 %	98.6618 %	94.8994 %
Concentration per Run 3	0.0311 ppm	98.3772 %	100.4445 %	91.6150 %	96.0158 %	99.2246 %	95.3780 %
Concentration RSD	0.7 %	0.4 %	0.3 %	0.2 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535446-01D5 WG2079823
Analysis started at: 6/26/2025 11:35:21 AM
Rack 1
Vial 37
Comment Fe LDR

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	12.1985 ppm	0.0006 ppm	0.0310 ppm	0.0357 ppm	0.0000 ppm	45.0342 ppm
Concentration per Run 1	-0.0007 ppm	12.2399 ppm	0.0008 ppm	0.0310 ppm	0.0357 ppm	0.0000 ppm	44.8497 ppm
Concentration per Run 2	-0.0004 ppm	12.1499 ppm	0.0003 ppm	0.0312 ppm	0.0357 ppm	0.0000 ppm	45.0216 ppm
Concentration per Run 3	-0.0005 ppm	12.2056 ppm	0.0008 ppm	0.0308 ppm	0.0359 ppm	0.0001 ppm	45.2314 ppm
Concentration RSD	28.6 %	0.4 %	40.8 %	0.7 %	0.4 %	30.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0063 ppm	0.1570 ppm	0.0157 ppm	89.4343 ppm	27.7891 ppm	0.0034 ppm
Concentration per Run 1	0.0005 ppm	0.0065 ppm	0.1594 ppm	0.0153 ppm	89.3857 ppm	28.1050 ppm	0.0038 ppm
Concentration per Run 2	0.0006 ppm	0.0061 ppm	0.1556 ppm	0.0157 ppm	89.2743 ppm	27.4928 ppm	0.0029 ppm
Concentration per Run 3	0.0004 ppm	0.0063 ppm	0.1559 ppm	0.0161 ppm	89.6428 ppm	27.7696 ppm	0.0036 ppm
Concentration RSD	22.9 %	3.2 %	1.3 %	2.6 %	0.2 %	1.1 %	14.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.2776 ppm	1.3552 ppm	0.0321 ppm	11.7483 ppm	0.1070 ppm	0.0023 ppm	0.0005 ppm
Concentration per Run 1	11.3360 ppm	1.3625 ppm	0.0327 ppm	11.8854 ppm	0.1084 ppm	0.0018 ppm	-0.0002 ppm
Concentration per Run 2	11.2392 ppm	1.3494 ppm	0.0321 ppm	11.5971 ppm	0.1059 ppm	0.0027 ppm	0.0025 ppm
Concentration per Run 3	11.2576 ppm	1.3535 ppm	0.0315 ppm	11.7625 ppm	0.1066 ppm	0.0024 ppm	-0.0009 ppm
Concentration RSD	0.5 %	0.5 %	1.9 %	1.2 %	1.2 %	21.0 %	355.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	1.9269 ppm	0.0021 ppm	0.0865 ppm	0.0662 ppm	-0.0043 ppm	0.0117 ppm
Concentration per Run 1	0.0004 ppm	1.9434 ppm	0.0027 ppm	0.0863 ppm	0.0667 ppm	-0.0032 ppm	0.0118 ppm
Concentration per Run 2	0.0001 ppm	1.9135 ppm	0.0016 ppm	0.0864 ppm	0.0657 ppm	-0.0052 ppm	0.0116 ppm
Concentration per Run 3	0.0020 ppm	1.9239 ppm	0.0021 ppm	0.0867 ppm	0.0663 ppm	-0.0046 ppm	0.0116 ppm
Concentration RSD	127.7 %	0.8 %	24.3 %	0.3 %	0.8 %	23.5 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6659 ppm	100.1495 %	103.6533 %	91.9064 %	98.1677 %	101.5756 %	96.7583 %
Concentration per Run 1	0.6749 ppm	99.6756 %	103.8278 %	91.8773 %	98.3931 %	101.3425 %	96.3610 %
Concentration per Run 2	0.6603 ppm	100.3310 %	103.6328 %	91.5515 %	98.1625 %	101.8006 %	96.7190 %
Concentration per Run 3	0.6627 ppm	100.4418 %	103.4993 %	92.2904 %	97.9476 %	101.5837 %	97.1950 %
Concentration RSD	1.2 %	0.4 %	0.2 %	0.4 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534635-05 WG2079700
Analysis started at: 6/26/2025 11:38:32 AM
Rack 1
Vial 38
Comment As RSD

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0093 ppm	0.0031 ppm	0.0145 ppm	0.0604 ppm	0.0000 ppm	124.5057 ppm
Concentration per Run 1	-0.0006 ppm	-0.0113 ppm	0.0025 ppm	0.0145 ppm	0.0602 ppm	0.0000 ppm	124.8765 ppm
Concentration per Run 2	-0.0003 ppm	-0.0113 ppm	0.0029 ppm	0.0146 ppm	0.0603 ppm	0.0000 ppm	124.1148 ppm
Concentration per Run 3	-0.0003 ppm	-0.0054 ppm	0.0040 ppm	0.0143 ppm	0.0606 ppm	0.0000 ppm	124.5256 ppm
Concentration RSD	43.1 %	36.6 %	23.7 %	1.2 %	0.3 %	8,867.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0040 ppm	-0.0003 ppm	0.0003 ppm	5.6185 ppm	3.4937 ppm	0.0011 ppm
Concentration per Run 1	-0.0004 ppm	0.0037 ppm	-0.0001 ppm	0.0001 ppm	5.6300 ppm	3.5108 ppm	0.0017 ppm
Concentration per Run 2	-0.0005 ppm	0.0045 ppm	-0.0003 ppm	0.0004 ppm	5.6010 ppm	3.4496 ppm	0.0009 ppm
Concentration per Run 3	-0.0006 ppm	0.0037 ppm	-0.0005 ppm	0.0005 ppm	5.6245 ppm	3.5209 ppm	0.0006 ppm
Concentration RSD	12.3 %	10.6 %	72.5 %	67.9 %	0.3 %	1.1 %	51.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.0626 ppm	0.9300 ppm	0.0021 ppm	4.9245 ppm	0.0074 ppm	-0.0002 ppm	0.0007 ppm
Concentration per Run 1	25.1877 ppm	0.9329 ppm	0.0021 ppm	4.9472 ppm	0.0075 ppm	-0.0011 ppm	-0.0006 ppm
Concentration per Run 2	24.9722 ppm	0.9263 ppm	0.0020 ppm	4.8925 ppm	0.0074 ppm	0.0002 ppm	0.0025 ppm
Concentration per Run 3	25.0277 ppm	0.9309 ppm	0.0021 ppm	4.9337 ppm	0.0074 ppm	0.0002 ppm	0.0001 ppm
Concentration RSD	0.4 %	0.4 %	4.3 %	0.6 %	0.7 %	345.4 %	236.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	3.2683 ppm	-0.0008 ppm	0.1362 ppm	0.0001 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run 1	-0.0018 ppm	3.2694 ppm	-0.0012 ppm	0.1360 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0010 ppm	3.2694 ppm	-0.0003 ppm	0.1358 ppm	0.0002 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 3	0.0005 ppm	3.2660 ppm	-0.0009 ppm	0.1368 ppm	-0.0001 ppm	-0.0005 ppm	-0.0002 ppm
Concentration RSD	152.4 %	0.1 %	61.9 %	0.4 %	208.8 %	167.6 %	79.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0015 ppm	97.4515 %	100.2682 %	89.1464 %	95.4728 %	99.0122 %	93.8287 %
Concentration per Run 1	0.0014 ppm	97.1072 %	100.1024 %	89.4802 %	96.1054 %	99.0137 %	93.8390 %
Concentration per Run 2	0.0016 ppm	97.8760 %	100.4035 %	89.2109 %	95.4711 %	98.7118 %	94.0789 %
Concentration per Run 3	0.0013 ppm	97.3713 %	100.2988 %	88.7482 %	94.8419 %	99.3110 %	93.5683 %
Concentration RSD	10.4 %	0.4 %	0.2 %	0.4 %	0.7 %	0.3 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 11:46:21 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4710 ppm	0.4583 ppm	0.4729 ppm	0.4860 ppm	0.4915 ppm	0.4942 ppm	0.4763 ppm
Concentration per Run 1	0.4727 ppm	0.4600 ppm	0.4735 ppm	0.4838 ppm	0.4926 ppm	0.4940 ppm	0.4723 ppm
Concentration per Run 2	0.4717 ppm	0.4545 ppm	0.4721 ppm	0.4844 ppm	0.4910 ppm	0.4944 ppm	0.4767 ppm
Concentration per Run 3	0.4685 ppm	0.4605 ppm	0.4732 ppm	0.4899 ppm	0.4907 ppm	0.4944 ppm	0.4797 ppm
Recovery Percentage 1	94.196 %	91.665 %	94.587 %	97.209 %	98.290 %	98.846 %	95.251 %
Concentration RSD	0.5 %	0.7 %	0.2 %	0.7 %	0.2 %	0.0 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4687 ppm	0.4890 ppm	0.5132 ppm	0.4709 ppm	0.4880 ppm	4.9265 ppm	0.4966 ppm
Concentration per Run 1	0.4675 ppm	0.4881 ppm	0.5130 ppm	0.4709 ppm	0.4871 ppm	4.9547 ppm	0.4996 ppm
Concentration per Run 2	0.4689 ppm	0.4882 ppm	0.5114 ppm	0.4718 ppm	0.4880 ppm	4.9279 ppm	0.4981 ppm
Concentration per Run 3	0.4698 ppm	0.4907 ppm	0.5151 ppm	0.4701 ppm	0.4888 ppm	4.8970 ppm	0.4921 ppm
Recovery Percentage 1	93.748 %	97.800 %	102.633 %	94.179 %	97.595 %	98.531 %	99.323 %
Concentration RSD	0.3 %	0.3 %	0.4 %	0.2 %	0.2 %	0.6 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5027 ppm	0.4860 ppm	0.4982 ppm	9.7430 ppm	0.5242 ppm	0.5000 ppm	0.4643 ppm
Concentration per Run 1	0.5022 ppm	0.4875 ppm	0.4963 ppm	9.7569 ppm	0.5224 ppm	0.4990 ppm	0.4712 ppm
Concentration per Run 2	0.5018 ppm	0.4855 ppm	0.4976 ppm	9.7867 ppm	0.5236 ppm	0.5001 ppm	0.4589 ppm
Concentration per Run 3	0.5041 ppm	0.4849 ppm	0.5009 ppm	9.6853 ppm	0.5266 ppm	0.5011 ppm	0.4627 ppm
Recovery Percentage 1	100.534 %	97.200 %	99.647 %	97.430 %	104.841 %	100.010 %	92.859 %
Concentration RSD	0.2 %	0.3 %	0.5 %	0.5 %	0.4 %	0.2 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4774 ppm	4.9949 ppm	0.5101 ppm	0.4922 ppm	0.5062 ppm	0.4986 ppm	0.4740 ppm
Concentration per Run 1	0.4789 ppm	4.9836 ppm	0.5085 ppm	0.4924 ppm	0.5066 ppm	0.4985 ppm	0.4743 ppm
Concentration per Run 2	0.4775 ppm	4.9844 ppm	0.5087 ppm	0.4923 ppm	0.5049 ppm	0.5005 ppm	0.4758 ppm
Concentration per Run 3	0.4758 ppm	5.0167 ppm	0.5131 ppm	0.4920 ppm	0.5071 ppm	0.4968 ppm	0.4718 ppm
Recovery Percentage 1	95.482 %	95.141 %	102.019 %	98.448 %	101.236 %	99.721 %	94.795 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.0 %	0.2 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5170 ppm	101.5434 %	101.9083 %	97.2754 %	99.4972 %	100.0076 %	99.0803 %
Concentration per Run 1	0.5137 ppm	101.7424 %	101.8798 %	96.8498 %	99.2999 %	99.8028 %	98.7905 %
Concentration per Run 2	0.5176 ppm	101.4108 %	102.1568 %	97.2890 %	98.9128 %	100.2382 %	98.9153 %
Concentration per Run 3	0.5196 ppm	101.4769 %	101.6882 %	97.6873 %	100.2788 %	99.9817 %	99.5350 %
Recovery Percentage 1	103.395 %						
Concentration RSD	0.6 %	0.2 %	0.2 %	0.4 %	0.7 %	0.2 %	0.4 %

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 11:49:39 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0072 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	-0.0063 ppm	0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 2	-0.0002 ppm	-0.0087 ppm	-0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0067 ppm	0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0025 ppm
Recovery Percentage 1	-0.935 %	-7.229 %	0.848 %	0.071 %	0.202 %	0.337 %	1.018 %
Concentration RSD	185.9 %	18.3 %	2,656.6 %	1,240.9 %	21.8 %	101.1 %	163.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0011 ppm	-0.0071 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	-0.0168 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0022 ppm	0.0052 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0098 ppm	0.0008 ppm
Recovery Percentage 1	1.506 %	-0.553 %	-3.144 %	-1.469 %	2.178 %	-0.284 %	8.145 %
Concentration RSD	50.4 %	164.9 %	75.4 %	127.4 %	102.6 %	158.4 %	113.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0010 ppm	0.0000 ppm	0.0026 ppm	-0.0013 ppm	-0.0003 ppm	0.0001 ppm	0.0024 ppm
Concentration per Run 1	0.0014 ppm	-0.0001 ppm	0.0028 ppm	0.0002 ppm	-0.0003 ppm	0.0005 ppm	0.0046 ppm
Concentration per Run 2	-0.0006 ppm	0.0001 ppm	0.0024 ppm	-0.0024 ppm	-0.0001 ppm	-0.0004 ppm	0.0026 ppm
Concentration per Run 3	0.0021 ppm	0.0001 ppm	0.0025 ppm	-0.0019 ppm	-0.0005 ppm	0.0004 ppm	0.0002 ppm
Recovery Percentage 1	0.959 %	0.418 %	5.128 %	-0.067 %	-1.123 %	1.404 %	4.894 %
Concentration RSD	141.4 %	221.9 %	9.7 %	103.7 %	73.6 %	349.6 %	88.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	-0.0009 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0003 ppm	-0.0017 ppm	0.0006 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0019 ppm	0.0012 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 3	0.0016 ppm	-0.0022 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm
Recovery Percentage 1	10.408 %	-0.176 %	-1.083 %	-0.512 %	0.891 %	-0.119 %	-0.331 %
Concentration RSD	114.5 %	210.4 %	193.1 %	60.5 %	141.4 %	2,053.1 %	149.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.0805 %	100.7154 %	98.5532 %	100.6279 %	101.0398 %	101.2237 %
Concentration per Run 1	-0.0003 ppm	99.7985 %	100.7547 %	98.0521 %	100.9631 %	101.1615 %	100.9339 %
Concentration per Run 2	0.0000 ppm	100.1085 %	100.7868 %	99.4747 %	99.9585 %	100.8475 %	101.9433 %
Concentration per Run 3	0.0000 ppm	100.3346 %	100.6048 %	98.1328 %	100.9621 %	101.1102 %	100.7940 %
Recovery Percentage 1	-1.540 %						
Concentration RSD	217.9 %	0.3 %	0.1 %	0.8 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537653-06 WG2079832
Analysis started at: 6/26/2025 12:00:36 PM
Rack 1
Vial 52
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0539 ppm	-0.0002 ppm	0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0414 ppm
Concentration per Run 1	-0.0002 ppm	0.0567 ppm	0.0002 ppm	0.0015 ppm	0.0005 ppm	0.0000 ppm	0.0409 ppm
Concentration per Run 2	-0.0001 ppm	0.0548 ppm	-0.0012 ppm	0.0005 ppm	0.0006 ppm	0.0000 ppm	0.0407 ppm
Concentration per Run 3	0.0001 ppm	0.0501 ppm	0.0003 ppm	0.0010 ppm	0.0005 ppm	0.0000 ppm	0.0426 ppm
Concentration RSD	460.9 %	6.3 %	356.1 %	48.9 %	9.1 %	1,091.1 %	2.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0060 ppm	0.1158 ppm	0.0339 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0061 ppm	0.1157 ppm	0.0279 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0058 ppm	0.1158 ppm	0.0379 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0061 ppm	0.1158 ppm	0.0361 ppm	0.0005 ppm
Concentration RSD	72.5 %	831.7 %	163.5 %	3.1 %	0.0 %	15.7 %	46.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0334 ppm	0.0022 ppm	0.0005 ppm	0.6019 ppm	0.0000 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run 1	0.0341 ppm	0.0023 ppm	0.0005 ppm	0.6008 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0340 ppm	0.0021 ppm	0.0007 ppm	0.6069 ppm	0.0000 ppm	-0.0008 ppm	-0.0006 ppm
Concentration per Run 3	0.0320 ppm	0.0022 ppm	0.0005 ppm	0.5979 ppm	-0.0001 ppm	0.0000 ppm	0.0014 ppm
Concentration RSD	3.4 %	3.3 %	18.7 %	0.8 %	500.3 %	135.9 %	232.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0013 ppm	0.0884 ppm	-0.0006 ppm	0.0001 ppm	0.0027 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	0.0882 ppm	-0.0016 ppm	0.0001 ppm	0.0029 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 2	-0.0012 ppm	0.0891 ppm	0.0005 ppm	0.0001 ppm	0.0027 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	-0.0018 ppm	0.0878 ppm	-0.0005 ppm	0.0001 ppm	0.0026 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	38.6 %	0.8 %	183.8 %	27.0 %	4.9 %	851.8 %	105.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	104.3525 %	103.1931 %	103.3010 %	103.3266 %	102.3090 %	103.2841 %
Concentration per Run 1	0.0007 ppm	104.3883 %	103.2241 %	103.6319 %	103.1564 %	102.5405 %	103.4458 %
Concentration per Run 2	0.0008 ppm	104.8738 %	103.2718 %	103.5380 %	104.0839 %	102.4143 %	103.4637 %
Concentration per Run 3	0.0007 ppm	103.7955 %	103.0833 %	102.7333 %	102.7395 %	101.9722 %	102.9429 %
Concentration RSD	13.8 %	0.5 %	0.1 %	0.5 %	0.7 %	0.3 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-01 WG2079832
Analysis started at: 6/26/2025 12:04:01 PM
Rack 1
Vial 39
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0866 ppm	0.0007 ppm	0.0055 ppm	0.0100 ppm	0.0000 ppm	7.3128 ppm
Concentration per Run 1	-0.0003 ppm	0.0867 ppm	0.0004 ppm	0.0054 ppm	0.0101 ppm	0.0000 ppm	7.3292 ppm
Concentration per Run 2	-0.0003 ppm	0.0829 ppm	0.0005 ppm	0.0053 ppm	0.0100 ppm	0.0000 ppm	7.3402 ppm
Concentration per Run 3	-0.0004 ppm	0.0901 ppm	0.0013 ppm	0.0059 ppm	0.0099 ppm	0.0000 ppm	7.2690 ppm
Concentration RSD	19.0 %	4.2 %	61.8 %	5.8 %	1.0 %	68.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0003 ppm	8.7202 ppm	1.4865 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0005 ppm	8.7714 ppm	1.4910 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	8.7286 ppm	1.4820 ppm	0.0013 ppm
Concentration per Run 3	0.0001 ppm	0.0006 ppm	0.0010 ppm	0.0002 ppm	8.6605 ppm	1.4866 ppm	0.0009 ppm
Concentration RSD	73.4 %	241.5 %	18.9 %	74.2 %	0.6 %	0.3 %	29.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.9136 ppm	0.2014 ppm	0.0002 ppm	18.7899 ppm	-0.0003 ppm	-0.0002 ppm	0.0012 ppm
Concentration per Run 1	1.9097 ppm	0.2015 ppm	0.0003 ppm	18.6850 ppm	-0.0002 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run 2	1.9178 ppm	0.2018 ppm	0.0003 ppm	18.8144 ppm	-0.0006 ppm	-0.0001 ppm	0.0030 ppm
Concentration per Run 3	1.9134 ppm	0.2009 ppm	0.0001 ppm	18.8703 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.2 %	57.4 %	0.5 %	115.2 %	79.0 %	130.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0003 ppm	5.1915 ppm	-0.0012 ppm	0.0467 ppm	0.0017 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run 1	0.0009 ppm	5.1902 ppm	-0.0014 ppm	0.0470 ppm	0.0017 ppm	-0.0001 ppm	0.0012 ppm
Concentration per Run 2	-0.0012 ppm	5.1904 ppm	-0.0014 ppm	0.0467 ppm	0.0016 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 3	-0.0007 ppm	5.1938 ppm	-0.0010 ppm	0.0464 ppm	0.0016 ppm	-0.0001 ppm	0.0011 ppm
Concentration RSD	337.9 %	0.0 %	19.3 %	0.7 %	2.2 %	33.4 %	2.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	103.0931 %	103.4018 %	97.9325 %	101.0572 %	101.3769 %	99.4979 %
Concentration per Run 1	0.0004 ppm	103.4582 %	102.7788 %	97.5610 %	100.8482 %	100.9815 %	99.4290 %
Concentration per Run 2	0.0003 ppm	102.8373 %	102.8002 %	98.1459 %	100.6776 %	101.1131 %	99.5065 %
Concentration per Run 3	0.0005 ppm	102.9838 %	104.6265 %	98.0908 %	101.6457 %	102.0359 %	99.5582 %
Concentration RSD	16.6 %	0.3 %	1.0 %	0.3 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-02 WG2079832
Analysis started at: 6/26/2025 12:07:12 PM
Rack 1
Vial 40
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0351 ppm	0.0010 ppm	0.0030 ppm	0.0064 ppm	0.0000 ppm	9.5531 ppm
Concentration per Run 1	-0.0001 ppm	0.0340 ppm	0.0014 ppm	0.0027 ppm	0.0065 ppm	0.0000 ppm	9.5769 ppm
Concentration per Run 2	-0.0003 ppm	0.0365 ppm	0.0006 ppm	0.0032 ppm	0.0064 ppm	0.0000 ppm	9.5976 ppm
Concentration per Run 3	-0.0001 ppm	0.0347 ppm	0.0010 ppm	0.0031 ppm	0.0064 ppm	0.0000 ppm	9.4847 ppm
Concentration RSD	79.4 %	3.6 %	38.3 %	7.9 %	0.7 %	182.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	0.0604 ppm	1.6400 ppm	0.0025 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0004 ppm	0.0614 ppm	1.6649 ppm	0.0024 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0600 ppm	1.6064 ppm	0.0027 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0598 ppm	1.6489 ppm	0.0026 ppm
Concentration RSD	2,336.1 %	37.0 %	181.6 %	215.5 %	1.4 %	1.8 %	5.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.2394 ppm	0.0042 ppm	0.0008 ppm	9.6105 ppm	0.0001 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 1	3.2509 ppm	0.0043 ppm	0.0008 ppm	9.5614 ppm	-0.0004 ppm	0.0005 ppm	0.0032 ppm
Concentration per Run 2	3.2437 ppm	0.0042 ppm	0.0011 ppm	9.5287 ppm	0.0005 ppm	0.0003 ppm	0.0016 ppm
Concentration per Run 3	3.2235 ppm	0.0041 ppm	0.0006 ppm	9.7414 ppm	0.0001 ppm	-0.0009 ppm	0.0017 ppm
Concentration RSD	0.4 %	1.9 %	24.5 %	1.2 %	627.5 %	3,593.1 %	40.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	9.7549 ppm	-0.0011 ppm	0.0491 ppm	0.0027 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	9.7718 ppm	-0.0005 ppm	0.0495 ppm	0.0028 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0005 ppm	9.7391 ppm	-0.0013 ppm	0.0487 ppm	0.0025 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0003 ppm	9.7538 ppm	-0.0014 ppm	0.0492 ppm	0.0028 ppm	-0.0007 ppm	0.0000 ppm
Concentration RSD	184.3 %	0.2 %	43.1 %	0.8 %	6.6 %	158.1 %	104.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	101.9294 %	104.1390 %	98.4701 %	100.3663 %	102.5062 %	100.2181 %
Concentration per Run 1	0.0008 ppm	102.1804 %	103.8060 %	98.2630 %	100.2787 %	102.5570 %	100.5082 %
Concentration per Run 2	0.0009 ppm	102.4052 %	103.7409 %	98.4498 %	100.5408 %	102.0351 %	99.9345 %
Concentration per Run 3	0.0008 ppm	101.2026 %	104.8700 %	98.6974 %	100.2794 %	102.9266 %	100.2117 %
Concentration RSD	9.2 %	0.6 %	0.6 %	0.2 %	0.2 %	0.4 %	0.3 %

ICP DataTrace 9

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LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-03 WG2079832
Analysis started at: 6/26/2025 12:10:24 PM
Rack 1
Vial 41
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0208 ppm	0.0272 ppm	0.0054 ppm	0.0080 ppm	0.0000 ppm	4.9857 ppm
Concentration per Run 1	-0.0001 ppm	0.0182 ppm	0.0282 ppm	0.0049 ppm	0.0082 ppm	0.0000 ppm	5.0051 ppm
Concentration per Run 2	-0.0001 ppm	0.0250 ppm	0.0268 ppm	0.0063 ppm	0.0080 ppm	0.0000 ppm	4.9965 ppm
Concentration per Run 3	-0.0002 ppm	0.0192 ppm	0.0264 ppm	0.0049 ppm	0.0080 ppm	0.0000 ppm	4.9554 ppm
Concentration RSD	37.4 %	17.6 %	3.6 %	15.2 %	1.4 %	359.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0022 ppm	0.0003 ppm	0.0002 ppm	20.8585 ppm	1.2118 ppm	0.0012 ppm
Concentration per Run 1	0.0002 ppm	0.0020 ppm	0.0002 ppm	0.0001 ppm	20.9347 ppm	1.2179 ppm	0.0015 ppm
Concentration per Run 2	0.0002 ppm	0.0023 ppm	0.0005 ppm	0.0006 ppm	20.9041 ppm	1.2019 ppm	0.0013 ppm
Concentration per Run 3	0.0002 ppm	0.0023 ppm	0.0003 ppm	0.0000 ppm	20.7369 ppm	1.2157 ppm	0.0009 ppm
Concentration RSD	5.7 %	7.3 %	44.2 %	123.7 %	0.5 %	0.7 %	22.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.5663 ppm	0.3521 ppm	0.0014 ppm	10.3164 ppm	0.0003 ppm	-0.0007 ppm	0.0015 ppm
Concentration per Run 1	1.5654 ppm	0.3528 ppm	0.0013 ppm	10.2977 ppm	0.0011 ppm	-0.0017 ppm	0.0009 ppm
Concentration per Run 2	1.5693 ppm	0.3529 ppm	0.0009 ppm	10.1898 ppm	0.0007 ppm	-0.0007 ppm	0.0010 ppm
Concentration per Run 3	1.5643 ppm	0.3507 ppm	0.0019 ppm	10.4616 ppm	-0.0008 ppm	0.0003 ppm	0.0026 ppm
Concentration RSD	0.2 %	0.4 %	38.7 %	1.3 %	309.4 %	150.6 %	65.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	8.1463 ppm	-0.0014 ppm	0.0319 ppm	0.0013 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run 1	0.0007 ppm	8.1354 ppm	-0.0016 ppm	0.0321 ppm	0.0012 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run 2	-0.0025 ppm	8.1397 ppm	-0.0018 ppm	0.0318 ppm	0.0013 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run 3	0.0020 ppm	8.1639 ppm	-0.0009 ppm	0.0317 ppm	0.0013 ppm	0.0005 ppm	0.0006 ppm
Concentration RSD	3,820.7 %	0.2 %	33.1 %	0.6 %	4.3 %	359.4 %	21.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0041 ppm	101.8168 %	104.1506 %	98.7439 %	100.2716 %	103.0257 %	100.6102 %
Concentration per Run 1	0.0041 ppm	102.0120 %	103.2604 %	98.6239 %	100.7189 %	102.5482 %	100.9242 %
Concentration per Run 2	0.0041 ppm	102.1753 %	104.4443 %	98.3638 %	100.0069 %	103.0461 %	100.1032 %
Concentration per Run 3	0.0042 ppm	101.2632 %	104.7471 %	99.2440 %	100.0892 %	103.4828 %	100.8033 %
Concentration RSD	1.4 %	0.5 %	0.8 %	0.5 %	0.4 %	0.5 %	0.4 %

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LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-04 WG2079832
Analysis started at: 6/26/2025 12:13:36 PM
Rack 1
Vial 42
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0366 ppm	0.0003 ppm	0.0029 ppm	0.0079 ppm	0.0000 ppm	7.8309 ppm
Concentration per Run 1	0.0000 ppm	0.0359 ppm	0.0000 ppm	0.0029 ppm	0.0078 ppm	0.0000 ppm	7.8262 ppm
Concentration per Run 2	-0.0003 ppm	0.0392 ppm	0.0000 ppm	0.0026 ppm	0.0079 ppm	0.0000 ppm	7.8520 ppm
Concentration per Run 3	0.0000 ppm	0.0347 ppm	0.0009 ppm	0.0032 ppm	0.0078 ppm	0.0000 ppm	7.8143 ppm
Concentration RSD	152.3 %	6.4 %	173.2 %	10.9 %	0.6 %	1,259.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0922 ppm	1.2859 ppm	0.0013 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0930 ppm	1.2940 ppm	0.0015 ppm
Concentration per Run 2	0.0001 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0913 ppm	1.2876 ppm	0.0011 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0924 ppm	1.2761 ppm	0.0013 ppm
Concentration RSD	232.5 %	114.4 %	370.6 %	189.0 %	1.0 %	0.7 %	14.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.3603 ppm	0.0143 ppm	0.0004 ppm	7.9349 ppm	-0.0003 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 1	2.3506 ppm	0.0143 ppm	0.0006 ppm	7.9444 ppm	0.0000 ppm	-0.0002 ppm	0.0024 ppm
Concentration per Run 2	2.3736 ppm	0.0143 ppm	0.0003 ppm	8.0202 ppm	0.0001 ppm	0.0005 ppm	-0.0006 ppm
Concentration per Run 3	2.3568 ppm	0.0142 ppm	0.0003 ppm	7.8401 ppm	-0.0009 ppm	-0.0005 ppm	0.0022 ppm
Concentration RSD	0.5 %	0.4 %	42.1 %	1.1 %	185.0 %	1,143.0 %	122.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	7.9643 ppm	-0.0016 ppm	0.0383 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	7.9526 ppm	-0.0010 ppm	0.0383 ppm	0.0021 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	7.9961 ppm	-0.0017 ppm	0.0384 ppm	0.0023 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 3	-0.0021 ppm	7.9442 ppm	-0.0022 ppm	0.0382 ppm	0.0023 ppm	-0.0002 ppm	0.0000 ppm
Concentration RSD	1,181.3 %	0.3 %	38.8 %	0.3 %	4.9 %	223.3 %	60.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	102.1862 %	103.0665 %	99.4562 %	100.6834 %	101.6843 %	101.0967 %
Concentration per Run 1	0.0007 ppm	102.9860 %	102.8229 %	99.3437 %	101.8860 %	101.5643 %	101.1604 %
Concentration per Run 2	0.0007 ppm	101.2261 %	103.1659 %	99.4772 %	99.8641 %	102.0675 %	101.0817 %
Concentration per Run 3	0.0007 ppm	102.3464 %	103.2108 %	99.5477 %	100.3001 %	101.4211 %	101.0479 %
Concentration RSD	1.8 %	0.9 %	0.2 %	0.1 %	1.1 %	0.3 %	0.1 %

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-05 WG2079832
Analysis started at: 6/26/2025 12:16:48 PM
Rack 1
Vial 43
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0263 ppm	-0.0013 ppm	0.0028 ppm	0.0043 ppm	0.0000 ppm	8.1049 ppm
Concentration per Run 1	-0.0002 ppm	0.0276 ppm	-0.0021 ppm	0.0020 ppm	0.0043 ppm	0.0000 ppm	8.1017 ppm
Concentration per Run 2	0.0003 ppm	0.0221 ppm	-0.0004 ppm	0.0031 ppm	0.0044 ppm	0.0000 ppm	8.1078 ppm
Concentration per Run 3	-0.0001 ppm	0.0293 ppm	-0.0014 ppm	0.0034 ppm	0.0044 ppm	0.0000 ppm	8.1051 ppm
Concentration RSD	1,290.2 %	14.4 %	66.0 %	26.0 %	0.9 %	193.3 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0525 ppm	1.2766 ppm	0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0523 ppm	1.2828 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0530 ppm	1.2649 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0003 ppm	0.0521 ppm	1.2821 ppm	0.0020 ppm
Concentration RSD	734.0 %	77.7 %	39.7 %	245.8 %	0.9 %	0.8 %	26.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.5851 ppm	0.0016 ppm	0.0004 ppm	9.3213 ppm	-0.0001 ppm	-0.0007 ppm	-0.0007 ppm
Concentration per Run 1	2.5965 ppm	0.0015 ppm	0.0004 ppm	9.3098 ppm	-0.0004 ppm	-0.0010 ppm	0.0013 ppm
Concentration per Run 2	2.5771 ppm	0.0015 ppm	0.0005 ppm	9.2130 ppm	0.0005 ppm	-0.0012 ppm	-0.0028 ppm
Concentration per Run 3	2.5819 ppm	0.0016 ppm	0.0004 ppm	9.4410 ppm	-0.0004 ppm	-0.0001 ppm	-0.0006 ppm
Concentration RSD	0.4 %	2.2 %	11.2 %	1.2 %	492.0 %	79.7 %	292.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	8.5457 ppm	-0.0010 ppm	0.0441 ppm	0.0016 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0015 ppm	8.6055 ppm	-0.0010 ppm	0.0442 ppm	0.0015 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 2	0.0006 ppm	8.4989 ppm	-0.0003 ppm	0.0441 ppm	0.0016 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 3	-0.0015 ppm	8.5325 ppm	-0.0016 ppm	0.0442 ppm	0.0018 ppm	0.0003 ppm	0.0001 ppm
Concentration RSD	708.7 %	0.6 %	65.6 %	0.2 %	10.3 %	971.3 %	100.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	102.0390 %	103.4900 %	98.9790 %	100.4824 %	102.1736 %	100.2689 %
Concentration per Run 1	0.0002 ppm	100.9315 %	104.0719 %	98.8960 %	99.7878 %	102.9725 %	100.0428 %
Concentration per Run 2	0.0002 ppm	102.7260 %	102.5714 %	99.2287 %	100.2926 %	101.0358 %	100.8605 %
Concentration per Run 3	0.0003 ppm	102.4594 %	103.8267 %	98.8121 %	101.3668 %	102.5125 %	99.9034 %
Concentration RSD	13.7 %	0.9 %	0.8 %	0.2 %	0.8 %	1.0 %	0.5 %

ICP DataTrace 9

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LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-06 WG2079832
Analysis started at: 6/26/2025 12:20:01 PM
Rack 1
Vial 44
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0790 ppm	0.0002 ppm	0.0485 ppm	0.0028 ppm	0.0000 ppm	3.8577 ppm
Concentration per Run 1	-0.0003 ppm	0.0766 ppm	0.0007 ppm	0.0475 ppm	0.0028 ppm	0.0000 ppm	3.8657 ppm
Concentration per Run 2	-0.0002 ppm	0.0821 ppm	0.0002 ppm	0.0483 ppm	0.0027 ppm	0.0000 ppm	3.8732 ppm
Concentration per Run 3	-0.0002 ppm	0.0783 ppm	-0.0004 ppm	0.0498 ppm	0.0028 ppm	0.0000 ppm	3.8342 ppm
Concentration RSD	11.1 %	3.6 %	337.4 %	2.4 %	3.0 %	518.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.1442 ppm	1.0643 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.1454 ppm	1.0735 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0004 ppm	0.1424 ppm	1.0650 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.1447 ppm	1.0545 ppm	0.0010 ppm
Concentration RSD	68.8 %	85.0 %	218.1 %	52.7 %	1.1 %	0.9 %	49.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.2139 ppm	0.0046 ppm	0.0004 ppm	9.3051 ppm	-0.0004 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run 1	1.2187 ppm	0.0045 ppm	0.0003 ppm	9.3001 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 2	1.2056 ppm	0.0046 ppm	0.0004 ppm	9.3256 ppm	-0.0012 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run 3	1.2175 ppm	0.0046 ppm	0.0004 ppm	9.2897 ppm	-0.0001 ppm	-0.0004 ppm	0.0014 ppm
Concentration RSD	0.6 %	1.1 %	20.7 %	0.2 %	143.7 %	194.7 %	115.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0003 ppm	5.4550 ppm	-0.0006 ppm	0.0224 ppm	0.0045 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	-0.0006 ppm	5.4637 ppm	-0.0014 ppm	0.0224 ppm	0.0043 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	0.0010 ppm	5.4574 ppm	-0.0001 ppm	0.0225 ppm	0.0045 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 3	-0.0012 ppm	5.4439 ppm	-0.0004 ppm	0.0224 ppm	0.0045 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	416.2 %	0.2 %	105.2 %	0.2 %	2.7 %	310.7 %	42.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	101.6028 %	104.0751 %	99.5261 %	100.0822 %	102.6398 %	100.8701 %
Concentration per Run 1	0.0006 ppm	101.2895 %	103.7539 %	98.7443 %	100.3496 %	102.2315 %	100.2331 %
Concentration per Run 2	0.0004 ppm	101.8639 %	103.9796 %	99.7507 %	99.9932 %	103.0453 %	101.2644 %
Concentration per Run 3	0.0006 ppm	101.6549 %	104.4918 %	100.0834 %	99.9038 %	102.6427 %	101.1129 %
Concentration RSD	29.2 %	0.3 %	0.4 %	0.7 %	0.2 %	0.4 %	0.6 %

ICP DataTrace 9

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LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-07 WG2079832
Analysis started at: 6/26/2025 12:23:14 PM
Rack 1
Vial 45
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.1173 ppm	0.0012 ppm	0.0056 ppm	0.0170 ppm	0.0000 ppm	9.2796 ppm
Concentration per Run 1	-0.0005 ppm	0.1174 ppm	0.0005 ppm	0.0063 ppm	0.0169 ppm	0.0000 ppm	9.2983 ppm
Concentration per Run 2	-0.0003 ppm	0.1150 ppm	0.0017 ppm	0.0061 ppm	0.0169 ppm	0.0000 ppm	9.2634 ppm
Concentration per Run 3	-0.0002 ppm	0.1194 ppm	0.0015 ppm	0.0046 ppm	0.0170 ppm	0.0000 ppm	9.2771 ppm
Concentration RSD	45.2 %	1.9 %	53.2 %	16.0 %	0.5 %	84.7 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0006 ppm	0.0001 ppm	8.4411 ppm	1.7595 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0006 ppm	0.0001 ppm	8.4346 ppm	1.7840 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0004 ppm	0.0000 ppm	8.4126 ppm	1.7327 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0001 ppm	8.4760 ppm	1.7618 ppm	0.0008 ppm
Concentration RSD	119.9 %	81.4 %	27.9 %	73.7 %	0.4 %	1.5 %	30.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.9945 ppm	0.4607 ppm	-0.0002 ppm	28.1756 ppm	-0.0004 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run 1	1.9909 ppm	0.4596 ppm	-0.0003 ppm	28.0596 ppm	-0.0004 ppm	-0.0010 ppm	0.0021 ppm
Concentration per Run 2	1.9993 ppm	0.4599 ppm	0.0001 ppm	28.0913 ppm	-0.0005 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 3	1.9932 ppm	0.4625 ppm	-0.0004 ppm	28.3761 ppm	-0.0002 ppm	-0.0001 ppm	0.0018 ppm
Concentration RSD	0.2 %	0.4 %	124.1 %	0.6 %	42.1 %	219.3 %	72.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	4.4321 ppm	-0.0017 ppm	0.0680 ppm	0.0009 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 1	-0.0007 ppm	4.4265 ppm	-0.0020 ppm	0.0676 ppm	0.0010 ppm	0.0012 ppm	0.0009 ppm
Concentration per Run 2	-0.0002 ppm	4.4501 ppm	-0.0014 ppm	0.0680 ppm	0.0008 ppm	-0.0010 ppm	0.0006 ppm
Concentration per Run 3	-0.0012 ppm	4.4198 ppm	-0.0017 ppm	0.0685 ppm	0.0008 ppm	0.0004 ppm	0.0007 ppm
Concentration RSD	72.3 %	0.4 %	17.0 %	0.6 %	16.7 %	528.5 %	24.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	101.6505 %	103.1278 %	96.7357 %	99.4989 %	101.2793 %	98.8890 %
Concentration per Run 1	0.0004 ppm	101.3583 %	103.2188 %	96.7506 %	99.2172 %	101.1134 %	98.6327 %
Concentration per Run 2	0.0004 ppm	101.9281 %	102.8623 %	96.5420 %	100.1608 %	101.0730 %	98.7377 %
Concentration per Run 3	0.0006 ppm	101.6653 %	103.3022 %	96.9146 %	99.1185 %	101.6516 %	99.2966 %
Concentration RSD	24.4 %	0.3 %	0.2 %	0.2 %	0.6 %	0.3 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-08 WG2079832
Analysis started at: 6/26/2025 12:26:27 PM
Rack 1
Vial 46
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0372 ppm	0.0409 ppm	0.0045 ppm	0.0035 ppm	0.0000 ppm	4.3617 ppm
Concentration per Run 1	0.0000 ppm	0.0364 ppm	0.0420 ppm	0.0043 ppm	0.0036 ppm	0.0000 ppm	4.4083 ppm
Concentration per Run 2	-0.0001 ppm	0.0344 ppm	0.0411 ppm	0.0046 ppm	0.0035 ppm	0.0000 ppm	4.3757 ppm
Concentration per Run 3	-0.0002 ppm	0.0410 ppm	0.0396 ppm	0.0046 ppm	0.0035 ppm	0.0000 ppm	4.3010 ppm
Concentration RSD	81.5 %	9.1 %	2.9 %	3.4 %	1.7 %	464.0 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0032 ppm	0.0001 ppm	0.0002 ppm	20.3758 ppm	1.0849 ppm	0.0009 ppm
Concentration per Run 1	0.0002 ppm	0.0028 ppm	0.0002 ppm	0.0001 ppm	20.5620 ppm	1.0889 ppm	0.0007 ppm
Concentration per Run 2	0.0002 ppm	0.0031 ppm	0.0003 ppm	0.0003 ppm	20.3240 ppm	1.0787 ppm	0.0013 ppm
Concentration per Run 3	0.0001 ppm	0.0036 ppm	-0.0001 ppm	0.0004 ppm	20.2414 ppm	1.0871 ppm	0.0008 ppm
Concentration RSD	8.7 %	12.1 %	134.1 %	64.5 %	0.8 %	0.5 %	36.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.5742 ppm	0.2942 ppm	0.0015 ppm	12.6699 ppm	0.0001 ppm	-0.0006 ppm	0.0022 ppm
Concentration per Run 1	1.5747 ppm	0.2960 ppm	0.0020 ppm	12.6176 ppm	-0.0003 ppm	-0.0010 ppm	0.0018 ppm
Concentration per Run 2	1.5767 ppm	0.2950 ppm	0.0011 ppm	12.8553 ppm	0.0007 ppm	-0.0003 ppm	0.0019 ppm
Concentration per Run 3	1.5712 ppm	0.2916 ppm	0.0012 ppm	12.5367 ppm	-0.0001 ppm	-0.0005 ppm	0.0031 ppm
Concentration RSD	0.2 %	0.8 %	32.8 %	1.3 %	656.2 %	61.4 %	32.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	7.8674 ppm	-0.0011 ppm	0.0284 ppm	0.0022 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 1	0.0002 ppm	7.8969 ppm	-0.0020 ppm	0.0286 ppm	0.0021 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 2	-0.0017 ppm	7.8571 ppm	-0.0013 ppm	0.0285 ppm	0.0022 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 3	-0.0006 ppm	7.8482 ppm	-0.0001 ppm	0.0280 ppm	0.0023 ppm	0.0009 ppm	0.0004 ppm
Concentration RSD	145.2 %	0.3 %	84.8 %	1.1 %	4.1 %	368.8 %	19.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	102.6209 %	103.6452 %	98.3113 %	100.6380 %	102.4968 %	100.4032 %
Concentration per Run 1	0.0012 ppm	102.1595 %	102.6433 %	98.2209 %	100.2287 %	102.5381 %	100.0949 %
Concentration per Run 2	0.0013 ppm	103.3347 %	103.6906 %	98.2162 %	101.9595 %	103.0580 %	100.2041 %
Concentration per Run 3	0.0011 ppm	102.3686 %	104.6016 %	98.4967 %	99.7257 %	101.8942 %	100.9105 %
Concentration RSD	6.6 %	0.6 %	0.9 %	0.2 %	1.2 %	0.6 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-09 WG2079832
Analysis started at: 6/26/2025 12:29:40 PM
Rack 1
Vial 47
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0025 ppm	-0.0003 ppm	0.0086 ppm	0.0073 ppm	0.0000 ppm	8.4596 ppm
Concentration per Run 1	-0.0005 ppm	-0.0048 ppm	0.0003 ppm	0.0077 ppm	0.0074 ppm	0.0000 ppm	8.4133 ppm
Concentration per Run 2	-0.0003 ppm	-0.0020 ppm	0.0001 ppm	0.0092 ppm	0.0072 ppm	0.0000 ppm	8.5086 ppm
Concentration per Run 3	0.0002 ppm	-0.0007 ppm	-0.0013 ppm	0.0089 ppm	0.0074 ppm	0.0000 ppm	8.4569 ppm
Concentration RSD	154.7 %	84.9 %	288.9 %	9.1 %	1.1 %	76.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0604 ppm	1.8936 ppm	0.0026 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0005 ppm	0.0002 ppm	0.0610 ppm	1.8993 ppm	0.0025 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0600 ppm	1.8829 ppm	0.0027 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0600 ppm	1.8985 ppm	0.0028 ppm
Concentration RSD	108.7 %	101.6 %	21.4 %	74.8 %	0.9 %	0.5 %	4.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.2558 ppm	0.0290 ppm	0.0003 ppm	13.3424 ppm	0.0008 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run 1	2.2693 ppm	0.0286 ppm	0.0000 ppm	13.3167 ppm	0.0016 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run 2	2.2633 ppm	0.0293 ppm	0.0005 ppm	13.2636 ppm	0.0005 ppm	0.0002 ppm	0.0047 ppm
Concentration per Run 3	2.2347 ppm	0.0290 ppm	0.0005 ppm	13.4468 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration RSD	0.8 %	1.2 %	78.9 %	0.7 %	95.3 %	193.4 %	197.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0013 ppm	7.9125 ppm	-0.0014 ppm	0.0593 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 1	-0.0003 ppm	7.9328 ppm	-0.0017 ppm	0.0595 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0023 ppm	7.9579 ppm	-0.0010 ppm	0.0592 ppm	-0.0001 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 3	-0.0013 ppm	7.8466 ppm	-0.0016 ppm	0.0593 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	78.4 %	0.7 %	29.3 %	0.3 %	119.4 %	281.1 %	370.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	101.3805 %	103.6912 %	98.3770 %	99.3207 %	102.1572 %	100.2545 %
Concentration per Run 1	0.0005 ppm	100.0900 %	104.1710 %	98.5353 %	98.1178 %	102.5554 %	100.1354 %
Concentration per Run 2	0.0007 ppm	101.4378 %	103.3242 %	98.6086 %	99.7620 %	102.0240 %	100.4703 %
Concentration per Run 3	0.0011 ppm	102.6136 %	103.5785 %	97.9872 %	100.0822 %	101.8921 %	100.1579 %
Concentration RSD	35.8 %	1.2 %	0.4 %	0.3 %	1.1 %	0.3 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 12:32:54 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4716 ppm	0.4618 ppm	0.4753 ppm	0.4879 ppm	0.4910 ppm	0.4943 ppm	0.4776 ppm
Concentration per Run 1	0.4706 ppm	0.4601 ppm	0.4733 ppm	0.4910 ppm	0.4899 ppm	0.4934 ppm	0.4773 ppm
Concentration per Run 2	0.4719 ppm	0.4642 ppm	0.4756 ppm	0.4856 ppm	0.4928 ppm	0.4952 ppm	0.4794 ppm
Concentration per Run 3	0.4722 ppm	0.4611 ppm	0.4771 ppm	0.4872 ppm	0.4903 ppm	0.4942 ppm	0.4760 ppm
Recovery Percentage 1	94.317 %	92.354 %	95.067 %	97.583 %	98.208 %	98.854 %	95.513 %
Concentration RSD	0.2 %	0.5 %	0.4 %	0.6 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4685 ppm	0.4874 ppm	0.5142 ppm	0.4728 ppm	0.4883 ppm	4.9439 ppm	0.5021 ppm
Concentration per Run 1	0.4692 ppm	0.4878 ppm	0.5160 ppm	0.4732 ppm	0.4888 ppm	4.9774 ppm	0.5043 ppm
Concentration per Run 2	0.4660 ppm	0.4867 ppm	0.5128 ppm	0.4721 ppm	0.4886 ppm	4.9594 ppm	0.5035 ppm
Concentration per Run 3	0.4702 ppm	0.4877 ppm	0.5137 ppm	0.4731 ppm	0.4875 ppm	4.8948 ppm	0.4985 ppm
Recovery Percentage 1	93.694 %	97.479 %	102.838 %	94.563 %	97.661 %	98.877 %	100.423 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.1 %	0.1 %	0.9 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5012 ppm	0.4858 ppm	0.4996 ppm	9.8813 ppm	0.5253 ppm	0.5034 ppm	0.4693 ppm
Concentration per Run 1	0.5032 ppm	0.4853 ppm	0.5017 ppm	9.9032 ppm	0.5292 ppm	0.5024 ppm	0.4681 ppm
Concentration per Run 2	0.4985 ppm	0.4865 ppm	0.4978 ppm	9.9412 ppm	0.5222 ppm	0.5030 ppm	0.4678 ppm
Concentration per Run 3	0.5019 ppm	0.4857 ppm	0.4993 ppm	9.7994 ppm	0.5245 ppm	0.5048 ppm	0.4720 ppm
Recovery Percentage 1	100.238 %	97.168 %	99.924 %	98.813 %	105.059 %	100.682 %	93.859 %
Concentration RSD	0.5 %	0.1 %	0.4 %	0.7 %	0.7 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4798 ppm	5.0062 ppm	0.5138 ppm	0.4960 ppm	0.5090 ppm	0.4999 ppm	0.4737 ppm
Concentration per Run 1	0.4812 ppm	5.0175 ppm	0.5202 ppm	0.4953 ppm	0.5098 ppm	0.4992 ppm	0.4739 ppm
Concentration per Run 2	0.4791 ppm	4.9961 ppm	0.5108 ppm	0.4968 ppm	0.5090 ppm	0.5008 ppm	0.4726 ppm
Concentration per Run 3	0.4792 ppm	5.0051 ppm	0.5103 ppm	0.4959 ppm	0.5084 ppm	0.4996 ppm	0.4746 ppm
Recovery Percentage 1	95.959 %	95.356 %	102.753 %	99.201 %	101.809 %	99.972 %	94.741 %
Concentration RSD	0.2 %	0.2 %	1.1 %	0.2 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5195 ppm	100.1938 %	102.4895 %	96.3431 %	98.3274 %	100.9676 %	98.2800 %
Concentration per Run 1	0.5227 ppm	99.5270 %	102.9206 %	96.1590 %	98.2113 %	101.0202 %	98.3565 %
Concentration per Run 2	0.5172 ppm	100.8459 %	101.9520 %	96.8481 %	98.7201 %	100.8396 %	98.4325 %
Concentration per Run 3	0.5188 ppm	100.2087 %	102.5960 %	96.0223 %	98.0508 %	101.0430 %	98.0510 %
Recovery Percentage 1	103.909 %						
Concentration RSD	0.5 %	0.7 %	0.5 %	0.5 %	0.4 %	0.1 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 12:36:07 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0098 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	0.0002 ppm	-0.0114 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 2	0.0001 ppm	-0.0052 ppm	-0.0005 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 3	-0.0001 ppm	-0.0128 ppm	0.0005 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	0.699 %	-9.828 %	0.836 %	-0.834 %	-0.295 %	0.340 %	1.706 %
Concentration RSD	323.8 %	41.1 %	1,194.9 %	66.7 %	24.7 %	127.3 %	18.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	0.0006 ppm	-0.0139 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0005 ppm	-0.0001 ppm	0.0012 ppm	-0.0071 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0005 ppm	-0.0152 ppm	-0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	-0.0194 ppm	0.0003 ppm
Recovery Percentage 1	0.628 %	0.671 %	-3.532 %	0.199 %	1.131 %	-0.557 %	3.375 %
Concentration RSD	202.4 %	259.0 %	43.3 %	776.9 %	111.6 %	44.8 %	190.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0026 ppm	-0.0049 ppm	-0.0001 ppm	-0.0003 ppm	0.0020 ppm
Concentration per Run 1	-0.0007 ppm	0.0000 ppm	0.0029 ppm	-0.0048 ppm	-0.0004 ppm	-0.0003 ppm	0.0032 ppm
Concentration per Run 2	0.0008 ppm	0.0000 ppm	0.0029 ppm	-0.0040 ppm	-0.0003 ppm	-0.0002 ppm	0.0032 ppm
Concentration per Run 3	0.0003 ppm	0.0001 ppm	0.0022 ppm	-0.0058 ppm	0.0003 ppm	-0.0005 ppm	-0.0003 ppm
Recovery Percentage 1	0.127 %	0.223 %	5.287 %	-0.244 %	-0.418 %	-3.297 %	4.075 %
Concentration RSD	629.5 %	306.7 %	15.5 %	19.0 %	354.9 %	55.3 %	98.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	-0.0002 ppm	0.0006 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	-0.0011 ppm	0.0009 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 2	0.0008 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm	-0.0004 ppm	-0.0001 ppm
Recovery Percentage 1	1.782 %	-0.038 %	1.111 %	-0.675 %	1.634 %	3.408 %	0.194 %
Concentration RSD	298.1 %	432.3 %	55.2 %	64.1 %	34.4 %	137.6 %	476.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.5928 %	101.8868 %	98.8128 %	100.8591 %	101.9030 %	101.2155 %
Concentration per Run 1	0.0002 ppm	100.9806 %	101.9851 %	98.8673 %	101.0516 %	102.0931 %	101.0113 %
Concentration per Run 2	0.0000 ppm	99.4802 %	102.2971 %	98.5677 %	100.0867 %	102.2729 %	101.0433 %
Concentration per Run 3	0.0000 ppm	101.3177 %	101.3782 %	99.0033 %	101.4389 %	101.3430 %	101.5920 %
Recovery Percentage 1	1.341 %						
Concentration RSD	141.2 %	1.0 %	0.5 %	0.2 %	0.7 %	0.5 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-10 WG2079832
Analysis started at: 6/26/2025 12:46:34 PM
Rack 1
Vial 48
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0089 ppm	-0.0002 ppm	0.0084 ppm	0.0034 ppm	0.0000 ppm	4.5075 ppm
Concentration per Run 1	-0.0001 ppm	0.0062 ppm	-0.0009 ppm	0.0082 ppm	0.0035 ppm	0.0000 ppm	4.5202 ppm
Concentration per Run 2	0.0001 ppm	0.0119 ppm	0.0010 ppm	0.0093 ppm	0.0034 ppm	0.0000 ppm	4.5033 ppm
Concentration per Run 3	-0.0001 ppm	0.0087 ppm	-0.0008 ppm	0.0079 ppm	0.0034 ppm	0.0000 ppm	4.4990 ppm
Concentration RSD	670.6 %	32.1 %	471.8 %	8.5 %	2.2 %	42.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0005 ppm	-0.0004 ppm	0.0007 ppm	0.0111 ppm	1.1075 ppm	0.0006 ppm
Concentration per Run 1	0.0002 ppm	0.0007 ppm	-0.0005 ppm	0.0006 ppm	0.0114 ppm	1.1219 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0008 ppm	0.0120 ppm	1.0952 ppm	0.0011 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0007 ppm	0.0099 ppm	1.1054 ppm	0.0006 ppm
Concentration RSD	11.0 %	50.1 %	18.4 %	14.2 %	9.3 %	1.2 %	73.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.0001 ppm	0.4052 ppm	0.0003 ppm	9.7596 ppm	0.0002 ppm	-0.0005 ppm	0.0020 ppm
Concentration per Run 1	1.0005 ppm	0.4059 ppm	0.0006 ppm	9.8946 ppm	0.0003 ppm	-0.0003 ppm	0.0021 ppm
Concentration per Run 2	1.0034 ppm	0.4049 ppm	0.0002 ppm	9.6673 ppm	0.0001 ppm	-0.0007 ppm	0.0031 ppm
Concentration per Run 3	0.9965 ppm	0.4048 ppm	0.0002 ppm	9.7170 ppm	0.0002 ppm	-0.0003 ppm	0.0008 ppm
Concentration RSD	0.3 %	0.1 %	57.8 %	1.2 %	66.2 %	46.0 %	59.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0003 ppm	7.7558 ppm	-0.0009 ppm	0.0270 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	7.7435 ppm	-0.0012 ppm	0.0271 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	7.7741 ppm	-0.0011 ppm	0.0271 ppm	0.0002 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run 3	-0.0010 ppm	7.7497 ppm	-0.0003 ppm	0.0270 ppm	0.0004 ppm	-0.0004 ppm	0.0002 ppm
Concentration RSD	238.4 %	0.2 %	54.7 %	0.2 %	69.1 %	4,543.4 %	459.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0023 ppm	102.3716 %	103.6381 %	99.1687 %	100.9546 %	102.1987 %	100.7283 %
Concentration per Run 1	0.0024 ppm	103.2531 %	103.7108 %	98.9836 %	101.5019 %	102.5476 %	100.5119 %
Concentration per Run 2	0.0023 ppm	101.2876 %	103.8711 %	99.7617 %	100.2555 %	102.6580 %	101.3247 %
Concentration per Run 3	0.0023 ppm	102.5741 %	103.3323 %	98.7608 %	101.1064 %	101.3904 %	100.3484 %
Concentration RSD	4.3 %	1.0 %	0.3 %	0.5 %	0.6 %	0.7 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-11 WG2079832
Analysis started at: 6/26/2025 12:49:54 PM
Rack 1
Vial 49
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0040 ppm	0.0030 ppm	0.0000 ppm	7.0784 ppm
Concentration per Run 1	0.0000 ppm	-0.0013 ppm	-0.0002 ppm	0.0034 ppm	0.0029 ppm	0.0000 ppm	7.0292 ppm
Concentration per Run 2	-0.0002 ppm	0.0009 ppm	-0.0009 ppm	0.0041 ppm	0.0030 ppm	0.0000 ppm	7.1341 ppm
Concentration per Run 3	0.0000 ppm	0.0007 ppm	0.0006 ppm	0.0043 ppm	0.0030 ppm	0.0000 ppm	7.0718 ppm
Concentration RSD	134.1 %	1,363.4 %	461.3 %	11.8 %	1.0 %	184.5 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0056 ppm	1.3016 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	-0.0005 ppm	-0.0002 ppm	-0.0001 ppm	0.0062 ppm	1.3235 ppm	0.0007 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0052 ppm	1.2969 ppm	0.0011 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	-0.0005 ppm	-0.0002 ppm	0.0055 ppm	1.2843 ppm	0.0003 ppm
Concentration RSD	10.5 %	82.9 %	41.5 %	152.0 %	9.1 %	1.5 %	58.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0716 ppm	0.0011 ppm	0.0003 ppm	7.9205 ppm	0.0000 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 1	2.0794 ppm	0.0011 ppm	0.0002 ppm	7.9935 ppm	0.0001 ppm	-0.0001 ppm	0.0018 ppm
Concentration per Run 2	2.0650 ppm	0.0010 ppm	0.0004 ppm	7.8803 ppm	-0.0001 ppm	-0.0004 ppm	0.0032 ppm
Concentration per Run 3	2.0705 ppm	0.0012 ppm	0.0002 ppm	7.8877 ppm	0.0001 ppm	0.0005 ppm	0.0023 ppm
Concentration RSD	0.4 %	7.9 %	42.9 %	0.8 %	195.3 %	3,249.6 %	28.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	7.7558 ppm	-0.0012 ppm	0.0365 ppm	0.0002 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0015 ppm	7.7607 ppm	-0.0005 ppm	0.0365 ppm	0.0002 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0007 ppm	7.7391 ppm	-0.0015 ppm	0.0366 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 3	0.0024 ppm	7.7676 ppm	-0.0015 ppm	0.0364 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration RSD	56.4 %	0.2 %	47.8 %	0.3 %	10.3 %	532.5 %	710.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0025 ppm	102.2936 %	103.7967 %	99.1918 %	101.2546 %	102.0492 %	100.6657 %
Concentration per Run 1	0.0027 ppm	102.1061 %	103.8132 %	99.8843 %	100.4397 %	101.8923 %	101.2019 %
Concentration per Run 2	0.0024 ppm	103.0639 %	103.1833 %	98.8215 %	101.7057 %	101.9689 %	100.2696 %
Concentration per Run 3	0.0025 ppm	101.7106 %	104.3938 %	98.8694 %	101.6183 %	102.2863 %	100.5255 %
Concentration RSD	5.4 %	0.7 %	0.6 %	0.6 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-12 WG2079832
Analysis started at: 6/26/2025 12:53:06 PM
Rack 1
Vial 50
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0255 ppm	0.0016 ppm	0.0024 ppm	0.0051 ppm	0.0000 ppm	7.3130 ppm
Concentration per Run 1	0.0001 ppm	0.0244 ppm	0.0020 ppm	0.0027 ppm	0.0050 ppm	0.0000 ppm	7.2905 ppm
Concentration per Run 2	-0.0003 ppm	0.0263 ppm	0.0008 ppm	0.0025 ppm	0.0051 ppm	0.0000 ppm	7.3011 ppm
Concentration per Run 3	-0.0001 ppm	0.0259 ppm	0.0021 ppm	0.0020 ppm	0.0051 ppm	0.0000 ppm	7.3473 ppm
Concentration RSD	158.3 %	4.0 %	45.8 %	14.7 %	0.9 %	73.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	2.0841 ppm	1.3435 ppm	0.0018 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	2.0757 ppm	1.3559 ppm	0.0014 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	2.0829 ppm	1.3197 ppm	0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	2.0937 ppm	1.3548 ppm	0.0022 ppm
Concentration RSD	157.9 %	108.7 %	50.6 %	158.2 %	0.4 %	1.5 %	22.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.2920 ppm	0.0501 ppm	0.0005 ppm	9.8608 ppm	0.0000 ppm	-0.0003 ppm	0.0012 ppm
Concentration per Run 1	2.2894 ppm	0.0499 ppm	0.0003 ppm	9.8343 ppm	0.0000 ppm	0.0003 ppm	0.0029 ppm
Concentration per Run 2	2.2965 ppm	0.0500 ppm	0.0006 ppm	9.8002 ppm	0.0001 ppm	-0.0008 ppm	0.0016 ppm
Concentration per Run 3	2.2903 ppm	0.0504 ppm	0.0006 ppm	9.9479 ppm	0.0001 ppm	-0.0003 ppm	-0.0008 ppm
Concentration RSD	0.2 %	0.6 %	30.2 %	0.8 %	195.2 %	200.2 %	151.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	8.0701 ppm	-0.0011 ppm	0.0370 ppm	0.0008 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	-0.0017 ppm	8.0344 ppm	-0.0009 ppm	0.0372 ppm	0.0008 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0009 ppm	8.0948 ppm	-0.0011 ppm	0.0369 ppm	0.0008 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 3	-0.0003 ppm	8.0810 ppm	-0.0013 ppm	0.0371 ppm	0.0008 ppm	0.0004 ppm	0.0002 ppm
Concentration RSD	364.4 %	0.4 %	18.3 %	0.4 %	4.9 %	47.6 %	25.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	102.5783 %	103.9939 %	98.5753 %	100.7417 %	102.4676 %	100.3287 %
Concentration per Run 1	0.0013 ppm	103.2860 %	104.1330 %	98.6033 %	101.5198 %	102.6357 %	100.3654 %
Concentration per Run 2	0.0012 ppm	102.2028 %	103.9777 %	98.4272 %	100.4687 %	102.2616 %	100.2535 %
Concentration per Run 3	0.0011 ppm	102.2460 %	103.8710 %	98.6952 %	100.2367 %	102.5056 %	100.3674 %
Concentration RSD	9.7 %	0.6 %	0.1 %	0.1 %	0.7 %	0.2 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2536675-13 WG2079832
Analysis started at: 6/26/2025 12:56:18 PM
Rack 1
Vial 51
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0855 ppm	-0.0008 ppm	0.0247 ppm	0.0110 ppm	0.0000 ppm	8.3120 ppm
Concentration per Run 1	-0.0003 ppm	0.0879 ppm	-0.0009 ppm	0.0251 ppm	0.0110 ppm	0.0000 ppm	8.2314 ppm
Concentration per Run 2	-0.0002 ppm	0.0836 ppm	-0.0006 ppm	0.0251 ppm	0.0110 ppm	0.0000 ppm	8.3546 ppm
Concentration per Run 3	-0.0001 ppm	0.0850 ppm	-0.0009 ppm	0.0239 ppm	0.0110 ppm	0.0000 ppm	8.3502 ppm
Concentration RSD	58.6 %	2.6 %	24.9 %	2.8 %	0.3 %	127.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm	7.3782 ppm	1.7933 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0001 ppm	7.3281 ppm	1.8261 ppm	0.0006 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm	7.4197 ppm	1.7772 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0004 ppm	7.3869 ppm	1.7766 ppm	0.0012 ppm
Concentration RSD	54.2 %	93.5 %	5.2 %	97.2 %	0.6 %	1.6 %	72.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.8521 ppm	0.8154 ppm	0.0003 ppm	32.2377 ppm	0.0002 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run 1	1.8628 ppm	0.8104 ppm	0.0004 ppm	32.5902 ppm	0.0004 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run 2	1.8554 ppm	0.8189 ppm	0.0003 ppm	31.8292 ppm	-0.0002 ppm	-0.0002 ppm	0.0016 ppm
Concentration per Run 3	1.8379 ppm	0.8169 ppm	0.0003 ppm	32.2938 ppm	0.0005 ppm	0.0001 ppm	0.0018 ppm
Concentration RSD	0.7 %	0.5 %	21.8 %	1.2 %	188.9 %	316.8 %	42.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	6.1087 ppm	-0.0012 ppm	0.0667 ppm	0.0039 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run 1	-0.0010 ppm	6.1222 ppm	-0.0007 ppm	0.0667 ppm	0.0039 ppm	-0.0013 ppm	0.0005 ppm
Concentration per Run 2	-0.0018 ppm	6.1145 ppm	-0.0014 ppm	0.0669 ppm	0.0039 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0007 ppm	6.0895 ppm	-0.0015 ppm	0.0665 ppm	0.0039 ppm	-0.0002 ppm	0.0003 ppm
Concentration RSD	188.6 %	0.3 %	37.5 %	0.3 %	0.7 %	169.7 %	57.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	100.8334 %	103.4840 %	96.4491 %	98.6899 %	102.0972 %	98.8319 %
Concentration per Run 1	0.0015 ppm	101.0537 %	104.9106 %	96.5211 %	99.2059 %	103.3841 %	98.7628 %
Concentration per Run 2	0.0011 ppm	100.4858 %	102.6184 %	96.4155 %	98.5624 %	101.2697 %	98.9045 %
Concentration per Run 3	0.0012 ppm	100.9609 %	102.9230 %	96.4108 %	98.3013 %	101.6378 %	98.8284 %
Concentration RSD	17.6 %	0.3 %	1.2 %	0.1 %	0.5 %	1.1 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535820-24 WG2082032
Analysis started at: 6/26/2025 1:14:29 PM
Rack 2
Vial 6
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0142 ppm	0.0001 ppm	0.0080 ppm	0.0092 ppm	0.0000 ppm	5.6483 ppm
Concentration per Run 1	0.0000 ppm	0.0125 ppm	-0.0011 ppm	0.0077 ppm	0.0092 ppm	0.0000 ppm	5.6283 ppm
Concentration per Run 2	-0.0003 ppm	0.0140 ppm	0.0005 ppm	0.0087 ppm	0.0091 ppm	0.0000 ppm	5.6234 ppm
Concentration per Run 3	0.0000 ppm	0.0162 ppm	0.0009 ppm	0.0077 ppm	0.0092 ppm	0.0000 ppm	5.6932 ppm
Concentration RSD	156.1 %	13.0 %	1,117.6 %	6.9 %	0.6 %	268.6 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm	0.4058 ppm	1.1883 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.4090 ppm	1.1953 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0005 ppm	0.4035 ppm	1.1996 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0006 ppm	0.4048 ppm	1.1700 ppm	0.0000 ppm
Concentration RSD	16.1 %	41.4 %	112.8 %	7.4 %	0.7 %	1.3 %	245.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.8160 ppm	0.0395 ppm	0.0002 ppm	23.7943 ppm	0.0006 ppm	-0.0002 ppm	0.0010 ppm
Concentration per Run 1	1.8204 ppm	0.0395 ppm	-0.0001 ppm	23.7082 ppm	0.0007 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run 2	1.8181 ppm	0.0391 ppm	0.0002 ppm	23.8824 ppm	0.0004 ppm	-0.0005 ppm	-0.0002 ppm
Concentration per Run 3	1.8093 ppm	0.0399 ppm	0.0004 ppm	23.7923 ppm	0.0007 ppm	-0.0001 ppm	0.0011 ppm
Concentration RSD	0.3 %	1.1 %	171.5 %	0.4 %	25.5 %	156.8 %	113.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	2.1333 ppm	-0.0018 ppm	0.0477 ppm	0.0003 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	-0.0007 ppm	2.1342 ppm	-0.0016 ppm	0.0477 ppm	0.0004 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 2	-0.0016 ppm	2.1403 ppm	-0.0018 ppm	0.0478 ppm	0.0002 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	2.1253 ppm	-0.0019 ppm	0.0478 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration RSD	104.5 %	0.4 %	8.1 %	0.0 %	37.5 %	133.5 %	216.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	101.1461 %	103.1652 %	97.7172 %	99.2288 %	101.9552 %	99.2682 %
Concentration per Run 1	0.0009 ppm	101.3469 %	102.8645 %	97.5535 %	99.6198 %	101.3404 %	99.0610 %
Concentration per Run 2	0.0010 ppm	101.1968 %	103.9554 %	97.7897 %	99.3601 %	102.7652 %	99.3939 %
Concentration per Run 3	0.0009 ppm	100.8947 %	102.6758 %	97.8083 %	98.7066 %	101.7598 %	99.3496 %
Concentration RSD	5.2 %	0.2 %	0.7 %	0.1 %	0.5 %	0.7 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535820-21 WG2082032
Analysis started at: 6/26/2025 1:17:48 PM
Rack 2
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0106 ppm	-0.0007 ppm	0.0074 ppm	0.0092 ppm	0.0000 ppm	5.2914 ppm
Concentration per Run 1	-0.0002 ppm	0.0095 ppm	-0.0007 ppm	0.0080 ppm	0.0091 ppm	0.0000 ppm	5.3130 ppm
Concentration per Run 2	-0.0002 ppm	0.0093 ppm	-0.0014 ppm	0.0068 ppm	0.0092 ppm	0.0000 ppm	5.2935 ppm
Concentration per Run 3	0.0002 ppm	0.0129 ppm	-0.0001 ppm	0.0076 ppm	0.0092 ppm	0.0000 ppm	5.2677 ppm
Concentration RSD	616.5 %	19.0 %	87.0 %	7.8 %	0.4 %	516.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.3999 ppm	1.1594 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.3998 ppm	1.1770 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.3998 ppm	1.1546 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.4001 ppm	1.1466 ppm	0.0005 ppm
Concentration RSD	61.9 %	474.1 %	51.4 %	27.2 %	0.0 %	1.4 %	35.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.7940 ppm	0.0379 ppm	0.0001 ppm	23.5754 ppm	0.0006 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run 1	1.7988 ppm	0.0381 ppm	0.0004 ppm	23.5212 ppm	0.0000 ppm	-0.0004 ppm	0.0017 ppm
Concentration per Run 2	1.7941 ppm	0.0378 ppm	-0.0005 ppm	23.6200 ppm	0.0007 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 3	1.7890 ppm	0.0378 ppm	0.0003 ppm	23.5851 ppm	0.0010 ppm	-0.0001 ppm	0.0020 ppm
Concentration RSD	0.3 %	0.5 %	459.5 %	0.2 %	92.4 %	77.0 %	69.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0005 ppm	2.0990 ppm	-0.0009 ppm	0.0469 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	2.0994 ppm	-0.0013 ppm	0.0469 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0012 ppm	2.1017 ppm	-0.0001 ppm	0.0470 ppm	0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	2.0957 ppm	-0.0014 ppm	0.0466 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm
Concentration RSD	144.4 %	0.1 %	75.6 %	0.4 %	62.0 %	154.1 %	324.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	101.6537 %	104.0329 %	98.7568 %	99.7164 %	102.3479 %	100.1978 %
Concentration per Run 1	0.0011 ppm	101.7626 %	103.6847 %	98.9906 %	99.9241 %	102.3540 %	100.5927 %
Concentration per Run 2	0.0011 ppm	101.9541 %	103.8450 %	98.9715 %	99.9047 %	102.1837 %	100.3740 %
Concentration per Run 3	0.0010 ppm	101.2443 %	104.5691 %	98.3082 %	99.3202 %	102.5062 %	99.6266 %
Concentration RSD	5.1 %	0.4 %	0.5 %	0.4 %	0.3 %	0.2 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-3 WG2082032
Analysis started at: 6/26/2025 1:21:00 PM
Rack 1
Vial 56
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0531 ppm	2.3151 ppm	0.1238 ppm	1.0226 ppm	2.2472 ppm	0.0560 ppm	20.7924 ppm
Concentration per Run 1	0.0528 ppm	2.3164 ppm	0.1242 ppm	1.0277 ppm	2.2488 ppm	0.0558 ppm	20.6699 ppm
Concentration per Run 2	0.0531 ppm	2.3195 ppm	0.1263 ppm	1.0175 ppm	2.2353 ppm	0.0560 ppm	20.8131 ppm
Concentration per Run 3	0.0533 ppm	2.3093 ppm	0.1210 ppm	1.0225 ppm	2.2574 ppm	0.0561 ppm	20.8941 ppm
Concentration RSD	0.4 %	0.2 %	2.1 %	0.5 %	0.5 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0491 ppm	0.5302 ppm	0.2249 ppm	0.2657 ppm	1.2711 ppm	13.7136 ppm	0.0009 ppm
Concentration per Run 1	0.0494 ppm	0.5301 ppm	0.2267 ppm	0.2657 ppm	1.2681 ppm	13.6745 ppm	0.0011 ppm
Concentration per Run 2	0.0486 ppm	0.5303 ppm	0.2239 ppm	0.2661 ppm	1.2787 ppm	13.6285 ppm	0.0008 ppm
Concentration per Run 3	0.0492 ppm	0.5303 ppm	0.2242 ppm	0.2652 ppm	1.2665 ppm	13.8377 ppm	0.0006 ppm
Concentration RSD	0.8 %	0.0 %	0.7 %	0.2 %	0.5 %	0.8 %	29.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.0909 ppm	0.5417 ppm	0.9881 ppm	55.5577 ppm	0.5714 ppm	0.5329 ppm	0.3884 ppm
Concentration per Run 1	12.1686 ppm	0.5401 ppm	0.9895 ppm	55.6406 ppm	0.5780 ppm	0.5318 ppm	0.3880 ppm
Concentration per Run 2	12.0524 ppm	0.5408 ppm	0.9827 ppm	55.1741 ppm	0.5682 ppm	0.5332 ppm	0.3887 ppm
Concentration per Run 3	12.0518 ppm	0.5441 ppm	0.9919 ppm	55.8584 ppm	0.5680 ppm	0.5337 ppm	0.3884 ppm
Concentration RSD	0.6 %	0.4 %	0.5 %	0.6 %	1.0 %	0.2 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1240 ppm	3.9770 ppm	0.9832 ppm	1.0521 ppm	1.0342 ppm	0.1196 ppm	0.5457 ppm
Concentration per Run 1	0.1245 ppm	4.0033 ppm	0.9914 ppm	1.0529 ppm	1.0386 ppm	0.1187 ppm	0.5464 ppm
Concentration per Run 2	0.1237 ppm	3.9578 ppm	0.9760 ppm	1.0451 ppm	1.0336 ppm	0.1196 ppm	0.5445 ppm
Concentration per Run 3	0.1238 ppm	3.9699 ppm	0.9821 ppm	1.0583 ppm	1.0303 ppm	0.1205 ppm	0.5461 ppm
Concentration RSD	0.4 %	0.6 %	0.8 %	0.6 %	0.4 %	0.7 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5824 ppm	98.9297 %	101.9507 %	92.1210 %	96.3250 %	99.7771 %	95.7221 %
Concentration per Run 1	0.5911 ppm	97.9589 %	103.3910 %	91.9533 %	95.7251 %	101.3014 %	95.3057 %
Concentration per Run 2	0.5766 ppm	99.5853 %	100.9344 %	92.1045 %	96.9757 %	98.7773 %	95.8140 %
Concentration per Run 3	0.5796 ppm	99.2449 %	101.5265 %	92.3052 %	96.2744 %	99.2526 %	96.0465 %
Concentration RSD	1.3 %	0.9 %	1.3 %	0.2 %	0.7 %	1.3 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-4 WG2082032
Analysis started at: 6/26/2025 1:24:13 PM
Rack 1
Vial 57
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0057 ppm	-0.0003 ppm	0.0159 ppm	0.0145 ppm	0.0000 ppm	11.1418 ppm
Concentration per Run 1	-0.0001 ppm	0.0006 ppm	-0.0012 ppm	0.0157 ppm	0.0145 ppm	0.0000 ppm	11.1422 ppm
Concentration per Run 2	-0.0002 ppm	0.0065 ppm	0.0021 ppm	0.0166 ppm	0.0144 ppm	0.0000 ppm	11.1763 ppm
Concentration per Run 3	-0.0003 ppm	0.0099 ppm	-0.0018 ppm	0.0153 ppm	0.0145 ppm	0.0000 ppm	11.1068 ppm
Concentration RSD	60.9 %	83.5 %	692.9 %	4.1 %	0.3 %	113.8 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.1792 ppm	2.9627 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0010 ppm	0.1803 ppm	2.9677 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.1788 ppm	2.9444 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.1785 ppm	2.9759 ppm	0.0009 ppm
Concentration RSD	150.5 %	166.9 %	176.6 %	15.9 %	0.5 %	0.6 %	56.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.1042 ppm	0.0063 ppm	0.0084 ppm	45.5733 ppm	0.0011 ppm	-0.0002 ppm	0.0175 ppm
Concentration per Run 1	2.1090 ppm	0.0064 ppm	0.0087 ppm	45.1361 ppm	0.0007 ppm	-0.0004 ppm	0.0167 ppm
Concentration per Run 2	2.0969 ppm	0.0063 ppm	0.0086 ppm	45.4897 ppm	0.0010 ppm	-0.0003 ppm	0.0161 ppm
Concentration per Run 3	2.1067 ppm	0.0063 ppm	0.0078 ppm	46.0940 ppm	0.0017 ppm	0.0002 ppm	0.0196 ppm
Concentration RSD	0.3 %	0.2 %	6.1 %	1.1 %	44.3 %	165.3 %	10.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	2.8868 ppm	0.0078 ppm	0.0655 ppm	0.0009 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	-0.0013 ppm	2.9074 ppm	0.0081 ppm	0.0653 ppm	0.0009 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 2	-0.0023 ppm	2.8717 ppm	0.0076 ppm	0.0655 ppm	0.0008 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 3	0.0011 ppm	2.8813 ppm	0.0078 ppm	0.0658 ppm	0.0009 ppm	-0.0003 ppm	0.0001 ppm
Concentration RSD	208.8 %	0.6 %	3.3 %	0.4 %	4.6 %	841.3 %	40.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0021 ppm	100.0442 %	103.7272 %	95.3744 %	98.3472 %	101.8586 %	97.5015 %
Concentration per Run 1	0.0021 ppm	100.0450 %	104.2933 %	95.0953 %	98.7755 %	102.2474 %	97.2970 %
Concentration per Run 2	0.0020 ppm	100.2119 %	102.9276 %	95.5983 %	98.4286 %	101.1299 %	97.8837 %
Concentration per Run 3	0.0022 ppm	99.8756 %	103.9607 %	95.4295 %	97.8375 %	102.1985 %	97.3239 %
Concentration RSD	5.4 %	0.2 %	0.7 %	0.3 %	0.5 %	0.6 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-5 WG2082032
Analysis started at: 6/26/2025 1:27:26 PM
Rack 1
Vial 58
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0492 ppm	2.0965 ppm	0.1178 ppm	0.9830 ppm	2.0937 ppm	0.0520 ppm	19.6746 ppm
Concentration per Run 1	0.0489 ppm	2.1087 ppm	0.1171 ppm	0.9752 ppm	2.0786 ppm	0.0519 ppm	19.7518 ppm
Concentration per Run 2	0.0492 ppm	2.0895 ppm	0.1186 ppm	0.9827 ppm	2.1016 ppm	0.0523 ppm	19.6054 ppm
Concentration per Run 3	0.0497 ppm	2.0914 ppm	0.1176 ppm	0.9911 ppm	2.1008 ppm	0.0520 ppm	19.6666 ppm
Concentration RSD	0.9 %	0.5 %	0.6 %	0.8 %	0.6 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0458 ppm	0.4925 ppm	0.2094 ppm	0.2466 ppm	1.1846 ppm	13.0848 ppm	0.0008 ppm
Concentration per Run 1	0.0457 ppm	0.4924 ppm	0.2080 ppm	0.2463 ppm	1.1848 ppm	12.9698 ppm	0.0012 ppm
Concentration per Run 2	0.0455 ppm	0.4908 ppm	0.2093 ppm	0.2469 ppm	1.1904 ppm	13.1435 ppm	0.0006 ppm
Concentration per Run 3	0.0462 ppm	0.4943 ppm	0.2108 ppm	0.2466 ppm	1.1785 ppm	13.1409 ppm	0.0007 ppm
Concentration RSD	0.8 %	0.4 %	0.7 %	0.1 %	0.5 %	0.8 %	35.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.5518 ppm	0.5026 ppm	0.9532 ppm	52.5363 ppm	0.5343 ppm	0.5085 ppm	0.2929 ppm
Concentration per Run 1	11.5033 ppm	0.5066 ppm	0.9414 ppm	52.3830 ppm	0.5310 ppm	0.5082 ppm	0.2817 ppm
Concentration per Run 2	11.5547 ppm	0.5014 ppm	0.9577 ppm	52.4049 ppm	0.5329 ppm	0.5086 ppm	0.2920 ppm
Concentration per Run 3	11.5973 ppm	0.4997 ppm	0.9607 ppm	52.8212 ppm	0.5391 ppm	0.5087 ppm	0.3049 ppm
Concentration RSD	0.4 %	0.7 %	1.1 %	0.5 %	0.8 %	0.1 %	4.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1181 ppm	3.4470 ppm	0.9583 ppm	1.0040 ppm	0.9964 ppm	0.1138 ppm	0.5061 ppm
Concentration per Run 1	0.1165 ppm	3.4283 ppm	0.9485 ppm	1.0004 ppm	0.9919 ppm	0.1131 ppm	0.5051 ppm
Concentration per Run 2	0.1200 ppm	3.4507 ppm	0.9596 ppm	1.0061 ppm	0.9984 ppm	0.1145 ppm	0.5052 ppm
Concentration per Run 3	0.1179 ppm	3.4621 ppm	0.9669 ppm	1.0054 ppm	0.9989 ppm	0.1139 ppm	0.5080 ppm
Concentration RSD	1.5 %	0.5 %	1.0 %	0.3 %	0.4 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5418 ppm	99.3804 %	102.0227 %	92.9919 %	97.0578 %	100.1297 %	96.4606 %
Concentration per Run 1	0.5384 ppm	99.7297 %	102.1679 %	92.7008 %	97.0684 %	100.4387 %	96.1807 %
Concentration per Run 2	0.5408 ppm	99.5194 %	102.0740 %	93.3940 %	97.7389 %	99.9220 %	96.9619 %
Concentration per Run 3	0.5461 ppm	98.8922 %	101.8264 %	92.8808 %	96.3662 %	100.0283 %	96.2393 %
Concentration RSD	0.7 %	0.4 %	0.2 %	0.4 %	0.7 %	0.3 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-6D5 WG2082032
Analysis started at: 6/26/2025 1:30:40 PM
Rack 1
Vial 59
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0050 ppm	-0.0005 ppm	0.0033 ppm	0.0029 ppm	0.0000 ppm	2.1477 ppm
Concentration per Run 1	-0.0004 ppm	-0.0042 ppm	-0.0005 ppm	0.0035 ppm	0.0029 ppm	0.0000 ppm	2.1338 ppm
Concentration per Run 2	0.0000 ppm	-0.0061 ppm	0.0001 ppm	0.0042 ppm	0.0028 ppm	0.0000 ppm	2.1569 ppm
Concentration per Run 3	-0.0002 ppm	-0.0048 ppm	-0.0010 ppm	0.0022 ppm	0.0029 ppm	0.0000 ppm	2.1523 ppm
Concentration RSD	117.5 %	19.3 %	105.9 %	30.7 %	1.2 %	675.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0362 ppm	0.5529 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0364 ppm	0.5610 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0370 ppm	0.5570 ppm	0.0007 ppm
Concentration per Run 3	0.0001 ppm	0.0004 ppm	-0.0002 ppm	-0.0002 ppm	0.0353 ppm	0.5408 ppm	0.0013 ppm
Concentration RSD	91.6 %	276.8 %	20.7 %	115.5 %	2.3 %	1.9 %	58.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4088 ppm	0.0014 ppm	0.0086 ppm	8.6779 ppm	0.0006 ppm	-0.0003 ppm	0.0441 ppm
Concentration per Run 1	0.4098 ppm	0.0014 ppm	0.0089 ppm	8.6313 ppm	0.0002 ppm	-0.0010 ppm	0.0452 ppm
Concentration per Run 2	0.4078 ppm	0.0013 ppm	0.0084 ppm	8.8287 ppm	0.0011 ppm	-0.0002 ppm	0.0437 ppm
Concentration per Run 3	0.4089 ppm	0.0015 ppm	0.0086 ppm	8.5736 ppm	0.0005 ppm	0.0001 ppm	0.0434 ppm
Concentration RSD	0.2 %	6.0 %	2.9 %	1.5 %	75.6 %	164.4 %	2.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0012 ppm	0.5404 ppm	0.0193 ppm	0.0126 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	-0.0015 ppm	0.5392 ppm	0.0206 ppm	0.0125 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 2	-0.0006 ppm	0.5420 ppm	0.0195 ppm	0.0127 ppm	0.0007 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 3	-0.0016 ppm	0.5399 ppm	0.0177 ppm	0.0125 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	42.6 %	0.3 %	7.7 %	1.0 %	10.3 %	93.3 %	205.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	101.4646 %	103.6109 %	98.8546 %	100.3660 %	101.9687 %	99.6350 %
Concentration per Run 1	0.0005 ppm	100.9476 %	104.1569 %	98.4600 %	100.1440 %	102.5304 %	99.4767 %
Concentration per Run 2	0.0005 ppm	102.5157 %	102.8009 %	99.3277 %	100.6432 %	101.6864 %	99.9942 %
Concentration per Run 3	0.0006 ppm	100.9305 %	103.8751 %	98.7762 %	100.3108 %	101.6894 %	99.4340 %
Concentration RSD	10.3 %	0.9 %	0.7 %	0.4 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 1:33:53 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4696 ppm	0.4572 ppm	0.4712 ppm	0.4846 ppm	0.4902 ppm	0.4907 ppm	0.4713 ppm
Concentration per Run 1	0.4722 ppm	0.4667 ppm	0.4707 ppm	0.4865 ppm	0.4890 ppm	0.4909 ppm	0.4698 ppm
Concentration per Run 2	0.4701 ppm	0.4539 ppm	0.4699 ppm	0.4830 ppm	0.4915 ppm	0.4915 ppm	0.4757 ppm
Concentration per Run 3	0.4667 ppm	0.4509 ppm	0.4729 ppm	0.4843 ppm	0.4900 ppm	0.4898 ppm	0.4683 ppm
Recovery Percentage 1	93.927 %	91.434 %	94.233 %	96.920 %	98.043 %	98.150 %	94.259 %
Concentration RSD	0.6 %	1.8 %	0.3 %	0.4 %	0.3 %	0.2 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4689 ppm	0.4874 ppm	0.5113 ppm	0.4704 ppm	0.4827 ppm	4.9907 ppm	0.5035 ppm
Concentration per Run 1	0.4701 ppm	0.4878 ppm	0.5111 ppm	0.4695 ppm	0.4841 ppm	5.0297 ppm	0.5041 ppm
Concentration per Run 2	0.4690 ppm	0.4884 ppm	0.5093 ppm	0.4715 ppm	0.4824 ppm	5.0162 ppm	0.5072 ppm
Concentration per Run 3	0.4676 ppm	0.4861 ppm	0.5135 ppm	0.4701 ppm	0.4815 ppm	4.9263 ppm	0.4992 ppm
Recovery Percentage 1	93.778 %	97.486 %	102.258 %	94.071 %	96.537 %	99.815 %	100.706 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.2 %	0.3 %	1.1 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4998 ppm	0.4808 ppm	0.5016 ppm	9.7671 ppm	0.5220 ppm	0.4981 ppm	0.4834 ppm
Concentration per Run 1	0.5014 ppm	0.4807 ppm	0.4986 ppm	9.7684 ppm	0.5204 ppm	0.4991 ppm	0.4894 ppm
Concentration per Run 2	0.4960 ppm	0.4837 ppm	0.4990 ppm	9.8312 ppm	0.5186 ppm	0.4961 ppm	0.4818 ppm
Concentration per Run 3	0.5018 ppm	0.4781 ppm	0.5073 ppm	9.7017 ppm	0.5269 ppm	0.4992 ppm	0.4789 ppm
Recovery Percentage 1	99.954 %	96.164 %	100.326 %	97.671 %	104.392 %	99.627 %	96.677 %
Concentration RSD	0.6 %	0.6 %	1.0 %	0.7 %	0.8 %	0.4 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4753 ppm	4.9809 ppm	0.5170 ppm	0.4928 ppm	0.5064 ppm	0.4986 ppm	0.4723 ppm
Concentration per Run 1	0.4753 ppm	4.9743 ppm	0.5165 ppm	0.4920 ppm	0.5060 ppm	0.4993 ppm	0.4733 ppm
Concentration per Run 2	0.4714 ppm	4.9728 ppm	0.5127 ppm	0.4925 ppm	0.5052 ppm	0.4981 ppm	0.4719 ppm
Concentration per Run 3	0.4793 ppm	4.9956 ppm	0.5218 ppm	0.4938 ppm	0.5079 ppm	0.4984 ppm	0.4717 ppm
Recovery Percentage 1	95.068 %	94.874 %	103.401 %	98.551 %	101.276 %	99.724 %	94.456 %
Concentration RSD	0.8 %	0.3 %	0.9 %	0.2 %	0.3 %	0.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5153 ppm	101.2439 %	103.0528 %	97.5122 %	99.0674 %	101.2168 %	99.1736 %
Concentration per Run 1	0.5160 ppm	101.2156 %	103.8086 %	97.2631 %	98.4868 %	101.9289 %	99.2470 %
Concentration per Run 2	0.5104 ppm	101.7808 %	102.0521 %	97.3224 %	99.4169 %	100.6537 %	98.6780 %
Concentration per Run 3	0.5193 ppm	100.7352 %	103.2979 %	97.9509 %	99.2986 %	101.0676 %	99.5959 %
Recovery Percentage 1	103.051 %						
Concentration RSD	0.9 %	0.5 %	0.9 %	0.4 %	0.5 %	0.6 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 1:37:06 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0083 ppm	0.0003 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0104 ppm	0.0003 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	-0.0003 ppm	-0.0044 ppm	-0.0003 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0100 ppm	0.0008 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Recovery Percentage 1	-1.399 %	-8.272 %	5.328 %	-2.775 %	0.771 %	-0.099 %	0.620 %
Concentration RSD	197.2 %	40.1 %	195.9 %	25.5 %	49.1 %	363.4 %	182.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0002 ppm	0.0002 ppm	-0.0138 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	-0.0078 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0004 ppm	-0.0005 ppm	-0.0117 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0006 ppm	-0.0218 ppm	0.0010 ppm
Recovery Percentage 1	1.141 %	1.657 %	-1.840 %	-1.776 %	0.395 %	-0.551 %	10.254 %
Concentration RSD	105.5 %	8.2 %	80.1 %	85.1 %	309.7 %	52.5 %	77.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0008 ppm	0.0000 ppm	0.0033 ppm	-0.0019 ppm	0.0005 ppm	0.0001 ppm	0.0048 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0035 ppm	-0.0043 ppm	0.0007 ppm	-0.0001 ppm	0.0061 ppm
Concentration per Run 2	-0.0014 ppm	0.0001 ppm	0.0035 ppm	0.0006 ppm	0.0004 ppm	-0.0003 ppm	0.0049 ppm
Concentration per Run 3	-0.0008 ppm	0.0000 ppm	0.0030 ppm	-0.0019 ppm	0.0004 ppm	0.0006 ppm	0.0034 ppm
Recovery Percentage 1	-0.760 %	0.496 %	6.678 %	-0.094 %	2.010 %	0.804 %	9.561 %
Concentration RSD	87.8 %	117.8 %	8.5 %	132.0 %	37.0 %	611.4 %	28.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	-0.0001 ppm	0.0015 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 1	-0.0024 ppm	0.0007 ppm	0.0017 ppm	-0.0001 ppm	0.0002 ppm	0.0013 ppm	-0.0001 ppm
Concentration per Run 2	-0.0017 ppm	0.0000 ppm	0.0017 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 3	0.0019 ppm	-0.0010 ppm	0.0011 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage 1	-7.592 %	-0.019 %	2.989 %	-0.287 %	2.868 %	2.784 %	-0.603 %
Concentration RSD	303.8 %	859.9 %	23.3 %	105.4 %	16.0 %	118.5 %	116.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.5310 %	101.6026 %	98.2839 %	101.3311 %	101.5918 %	101.1702 %
Concentration per Run 1	0.0000 ppm	100.5842 %	101.1098 %	98.2105 %	101.7166 %	101.4139 %	101.4389 %
Concentration per Run 2	-0.0002 ppm	100.1606 %	101.7539 %	98.7150 %	101.1084 %	101.5563 %	101.5194 %
Concentration per Run 3	0.0000 ppm	100.8484 %	101.9439 %	97.9262 %	101.1683 %	101.8051 %	100.5524 %
Recovery Percentage 1	-0.712 %						
Concentration RSD	356.5 %	0.3 %	0.4 %	0.4 %	0.3 %	0.2 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-1 WG2082032
Analysis started at: 6/26/2025 1:42:48 PM
Rack 1
Vial 53
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0046 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run 1	-0.0001 ppm	-0.0114 ppm	-0.0010 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run 2	-0.0002 ppm	-0.0034 ppm	0.0011 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 3	-0.0001 ppm	0.0010 ppm	-0.0013 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0070 ppm
Recovery Percentage 1	-1.539 %	-4.604 %	-7.907 %	0.071 %	0.230 %	-0.131 %	5.199 %
Concentration RSD	52.2 %	137.1 %	335.3 %	2,434.7 %	139.8 %	435.1 %	34.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0015 ppm	-0.0097 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0016 ppm	-0.0085 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	-0.0002 ppm	0.0014 ppm	-0.0161 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0015 ppm	-0.0044 ppm	0.0003 ppm
Recovery Percentage 1	-0.050 %	0.003 %	-2.360 %	-2.167 %	3.036 %	-0.386 %	5.387 %
Concentration RSD	1,608.4 %	47,121.5 %	37.1 %	46.7 %	5.3 %	61.2 %	40.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0022 ppm	0.0001 ppm	0.0007 ppm	-0.0035 ppm	0.0000 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run 1	0.0021 ppm	0.0001 ppm	0.0005 ppm	-0.0055 ppm	-0.0003 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run 2	0.0012 ppm	0.0001 ppm	0.0007 ppm	-0.0008 ppm	0.0003 ppm	-0.0003 ppm	0.0018 ppm
Concentration per Run 3	0.0031 ppm	0.0000 ppm	0.0009 ppm	-0.0041 ppm	0.0001 ppm	-0.0007 ppm	0.0016 ppm
Recovery Percentage 1	2.150 %	0.645 %	1.392 %	-0.173 %	-0.019 %	-4.403 %	2.507 %
Concentration RSD	43.0 %	109.5 %	34.1 %	68.6 %	6,430.0 %	60.3 %	59.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	0.0081 ppm	-0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0021 ppm	0.0076 ppm	-0.0010 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0081 ppm	-0.0008 ppm	0.0000 ppm	0.0002 ppm	0.0010 ppm	-0.0003 ppm
Concentration per Run 3	-0.0003 ppm	0.0085 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	6.061 %	1.616 %	-1.278 %	-0.394 %	1.566 %	1.733 %	-1.120 %
Concentration RSD	216.7 %	5.3 %	80.0 %	91.6 %	6.2 %	158.7 %	174.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.6331 %	103.4975 %	99.9834 %	102.3021 %	103.4965 %	102.1185 %
Concentration per Run 1	0.0001 ppm	101.2890 %	102.4194 %	100.0751 %	101.7063 %	102.1171 %	102.2902 %
Concentration per Run 2	0.0000 ppm	101.9573 %	104.0230 %	100.0072 %	102.6292 %	104.4703 %	102.0858 %
Concentration per Run 3	0.0001 ppm	101.6529 %	104.0502 %	99.8678 %	102.5708 %	103.9021 %	101.9794 %
Recovery Percentage 1	0.994 %						
Concentration RSD	146.9 %	0.3 %	0.9 %	0.1 %	0.5 %	1.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-2 WG2082032
Analysis started at: 6/26/2025 1:46:03 PM
Rack 1
Vial 54
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0516 ppm	2.1988 ppm	0.1165 ppm	0.9587 ppm	2.1855 ppm	0.0538 ppm	9.5864 ppm
Concentration per Run 1	0.0520 ppm	2.2104 ppm	0.1170 ppm	0.9636 ppm	2.1860 ppm	0.0540 ppm	9.5659 ppm
Concentration per Run 2	0.0511 ppm	2.1871 ppm	0.1184 ppm	0.9546 ppm	2.1810 ppm	0.0538 ppm	9.5796 ppm
Concentration per Run 3	0.0517 ppm	2.1991 ppm	0.1142 ppm	0.9580 ppm	2.1896 ppm	0.0538 ppm	9.6138 ppm
Concentration RSD	0.9 %	0.5 %	1.8 %	0.5 %	0.2 %	0.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0482 ppm	0.5204 ppm	0.2223 ppm	0.2558 ppm	1.0719 ppm	10.2985 ppm	0.0007 ppm
Concentration per Run 1	0.0480 ppm	0.5183 ppm	0.2212 ppm	0.2584 ppm	1.0716 ppm	10.3537 ppm	0.0009 ppm
Concentration per Run 2	0.0484 ppm	0.5199 ppm	0.2232 ppm	0.2542 ppm	1.0688 ppm	10.2603 ppm	0.0008 ppm
Concentration per Run 3	0.0482 ppm	0.5230 ppm	0.2226 ppm	0.2550 ppm	1.0752 ppm	10.2816 ppm	0.0005 ppm
Concentration RSD	0.4 %	0.5 %	0.5 %	0.9 %	0.3 %	0.5 %	28.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.9992 ppm	0.5258 ppm	0.9885 ppm	10.3771 ppm	0.5644 ppm	0.5264 ppm	0.3982 ppm
Concentration per Run 1	9.9251 ppm	0.5258 ppm	0.9816 ppm	10.3613 ppm	0.5649 ppm	0.5282 ppm	0.3962 ppm
Concentration per Run 2	10.0074 ppm	0.5250 ppm	0.9907 ppm	10.4177 ppm	0.5626 ppm	0.5282 ppm	0.3951 ppm
Concentration per Run 3	10.0650 ppm	0.5265 ppm	0.9934 ppm	10.3523 ppm	0.5658 ppm	0.5229 ppm	0.4032 ppm
Concentration RSD	0.7 %	0.1 %	0.6 %	0.3 %	0.3 %	0.6 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1170 ppm	0.9781 ppm	0.9889 ppm	0.9747 ppm	1.0170 ppm	0.1192 ppm	0.5268 ppm
Concentration per Run 1	0.1183 ppm	0.9755 ppm	0.9865 ppm	0.9758 ppm	1.0135 ppm	0.1183 ppm	0.5271 ppm
Concentration per Run 2	0.1176 ppm	0.9809 ppm	0.9857 ppm	0.9735 ppm	1.0200 ppm	0.1211 ppm	0.5261 ppm
Concentration per Run 3	0.1150 ppm	0.9779 ppm	0.9944 ppm	0.9748 ppm	1.0174 ppm	0.1183 ppm	0.5271 ppm
Concentration RSD	1.5 %	0.3 %	0.5 %	0.1 %	0.3 %	1.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5613 ppm	100.6224 %	103.6647 %	95.8755 %	99.0655 %	101.8132 %	98.6718 %
Concentration per Run 1	0.5584 ppm	100.7189 %	103.7842 %	95.5329 %	98.4740 %	101.7359 %	98.4093 %
Concentration per Run 2	0.5616 ppm	100.3978 %	104.1662 %	96.1861 %	99.6275 %	102.5259 %	99.2491 %
Concentration per Run 3	0.5640 ppm	100.7506 %	103.0437 %	95.9074 %	99.0950 %	101.1777 %	98.3570 %
Concentration RSD	0.5 %	0.2 %	0.6 %	0.3 %	0.6 %	0.7 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535820-15 WG2082032
Analysis started at: 6/26/2025 1:49:15 PM
Rack 1
Vial 55
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0062 ppm	-0.0008 ppm	0.0153 ppm	0.0140 ppm	0.0000 ppm	10.8575 ppm
Concentration per Run 1	-0.0003 ppm	0.0062 ppm	-0.0012 ppm	0.0160 ppm	0.0140 ppm	0.0000 ppm	10.8674 ppm
Concentration per Run 2	-0.0001 ppm	0.0032 ppm	-0.0008 ppm	0.0147 ppm	0.0141 ppm	0.0000 ppm	10.8479 ppm
Concentration per Run 3	-0.0002 ppm	0.0091 ppm	-0.0005 ppm	0.0153 ppm	0.0140 ppm	0.0000 ppm	10.8571 ppm
Concentration RSD	65.0 %	48.2 %	40.3 %	4.3 %	0.5 %	451.7 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0009 ppm	0.1775 ppm	2.8407 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	-0.0003 ppm	0.0009 ppm	0.1779 ppm	2.8200 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0010 ppm	0.1774 ppm	2.8261 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0008 ppm	0.1773 ppm	2.8760 ppm	0.0005 ppm
Concentration RSD	223.5 %	112.1 %	133.2 %	9.1 %	0.2 %	1.1 %	26.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0462 ppm	0.0067 ppm	0.0064 ppm	43.8093 ppm	0.0013 ppm	0.0002 ppm	0.0134 ppm
Concentration per Run 1	2.0502 ppm	0.0066 ppm	0.0062 ppm	43.5147 ppm	0.0014 ppm	0.0005 ppm	0.0125 ppm
Concentration per Run 2	2.0462 ppm	0.0068 ppm	0.0068 ppm	43.4919 ppm	0.0013 ppm	-0.0003 ppm	0.0149 ppm
Concentration per Run 3	2.0422 ppm	0.0067 ppm	0.0062 ppm	44.4215 ppm	0.0013 ppm	0.0005 ppm	0.0127 ppm
Concentration RSD	0.2 %	1.0 %	4.9 %	1.2 %	6.1 %	208.3 %	9.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0010 ppm	2.8014 ppm	0.0057 ppm	0.0637 ppm	0.0007 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	2.8010 ppm	0.0057 ppm	0.0637 ppm	0.0008 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	-0.0003 ppm	2.8079 ppm	0.0055 ppm	0.0637 ppm	0.0007 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	-0.0025 ppm	2.7953 ppm	0.0060 ppm	0.0638 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	130.5 %	0.2 %	4.2 %	0.1 %	20.7 %	99.1 %	88.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0034 ppm	100.0621 %	102.6758 %	95.4160 %	98.2138 %	101.1028 %	97.8253 %
Concentration per Run 1	0.0033 ppm	100.7137 %	102.8463 %	96.1036 %	99.1539 %	101.3530 %	98.3636 %
Concentration per Run 2	0.0035 ppm	99.6942 %	102.3774 %	94.4354 %	97.4647 %	100.6526 %	97.3304 %
Concentration per Run 3	0.0035 ppm	99.7784 %	102.8037 %	95.7090 %	98.0228 %	101.3027 %	97.7821 %
Concentration RSD	3.9 %	0.6 %	0.3 %	0.9 %	0.9 %	0.4 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535820-27 WG2082032
Analysis started at: 6/26/2025 1:52:28 PM
Rack 2
Vial 7
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0213 ppm	0.0001 ppm	0.0083 ppm	0.0088 ppm	0.0000 ppm	5.5702 ppm
Concentration per Run 1	0.0000 ppm	0.0211 ppm	0.0016 ppm	0.0079 ppm	0.0088 ppm	0.0000 ppm	5.5915 ppm
Concentration per Run 2	-0.0002 ppm	0.0206 ppm	-0.0010 ppm	0.0080 ppm	0.0088 ppm	0.0000 ppm	5.5800 ppm
Concentration per Run 3	-0.0001 ppm	0.0221 ppm	-0.0005 ppm	0.0089 ppm	0.0088 ppm	0.0000 ppm	5.5390 ppm
Concentration RSD	112.6 %	3.6 %	2,708.4 %	6.3 %	0.5 %	327.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0003 ppm	0.3935 ppm	1.2039 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.3922 ppm	1.1893 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.3949 ppm	1.2117 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.3934 ppm	1.2108 ppm	0.0008 ppm
Concentration RSD	61.2 %	35.0 %	180.1 %	62.2 %	0.3 %	1.1 %	64.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.7001 ppm	0.0364 ppm	0.0015 ppm	22.1075 ppm	0.0006 ppm	-0.0009 ppm	0.0059 ppm
Concentration per Run 1	1.7044 ppm	0.0365 ppm	0.0016 ppm	21.9515 ppm	0.0003 ppm	-0.0008 ppm	0.0034 ppm
Concentration per Run 2	1.6878 ppm	0.0363 ppm	0.0015 ppm	22.0808 ppm	0.0008 ppm	-0.0012 ppm	0.0082 ppm
Concentration per Run 3	1.7082 ppm	0.0363 ppm	0.0014 ppm	22.2903 ppm	0.0007 ppm	-0.0006 ppm	0.0060 ppm
Concentration RSD	0.6 %	0.3 %	4.4 %	0.8 %	37.0 %	34.1 %	41.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	2.0779 ppm	0.0003 ppm	0.0443 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0018 ppm	2.0810 ppm	0.0004 ppm	0.0441 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0018 ppm	2.0728 ppm	0.0001 ppm	0.0444 ppm	0.0010 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0010 ppm	2.0799 ppm	0.0003 ppm	0.0443 ppm	0.0011 ppm	-0.0005 ppm	-0.0001 ppm
Concentration RSD	586.5 %	0.2 %	49.2 %	0.3 %	6.2 %	45,578.9 %	277.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0017 ppm	101.7393 %	103.6817 %	98.0290 %	100.4620 %	101.7779 %	99.5827 %
Concentration per Run 1	0.0018 ppm	101.6937 %	103.6384 %	98.1556 %	101.1035 %	101.7324 %	99.7395 %
Concentration per Run 2	0.0014 ppm	102.4495 %	103.5556 %	97.8615 %	100.7265 %	101.9146 %	99.2609 %
Concentration per Run 3	0.0019 ppm	101.0747 %	103.8509 %	98.0698 %	99.5562 %	101.6867 %	99.7477 %
Concentration RSD	14.6 %	0.7 %	0.1 %	0.2 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-02 WG2082032
Analysis started at: 6/26/2025 1:55:41 PM
Rack 2
Vial 8
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0165 ppm	0.0005 ppm	0.0136 ppm	0.0408 ppm	0.0000 ppm	10.0436 ppm
Concentration per Run 1	-0.0002 ppm	0.0155 ppm	-0.0009 ppm	0.0139 ppm	0.0410 ppm	0.0000 ppm	9.9405 ppm
Concentration per Run 2	-0.0001 ppm	0.0179 ppm	0.0023 ppm	0.0137 ppm	0.0406 ppm	0.0000 ppm	10.1041 ppm
Concentration per Run 3	-0.0001 ppm	0.0160 ppm	0.0001 ppm	0.0133 ppm	0.0408 ppm	0.0000 ppm	10.0862 ppm
Concentration RSD	39.2 %	7.8 %	334.5 %	2.4 %	0.4 %	122.9 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.4558 ppm	2.3311 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm	0.4546 ppm	2.3554 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0002 ppm	0.0005 ppm	0.4579 ppm	2.3083 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.4549 ppm	2.3298 ppm	0.0010 ppm
Concentration RSD	218.0 %	719.6 %	324.6 %	18.2 %	0.4 %	1.0 %	17.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.3200 ppm	0.0685 ppm	0.0009 ppm	72.5652 ppm	0.0004 ppm	0.0004 ppm	0.0033 ppm
Concentration per Run 1	2.3318 ppm	0.0684 ppm	0.0008 ppm	72.0376 ppm	0.0005 ppm	-0.0001 ppm	0.0032 ppm
Concentration per Run 2	2.3029 ppm	0.0685 ppm	0.0007 ppm	72.2319 ppm	0.0009 ppm	0.0006 ppm	0.0046 ppm
Concentration per Run 3	2.3253 ppm	0.0687 ppm	0.0011 ppm	73.4261 ppm	-0.0001 ppm	0.0006 ppm	0.0022 ppm
Concentration RSD	0.7 %	0.2 %	30.7 %	1.0 %	110.6 %	98.5 %	36.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	1.0254 ppm	0.0000 ppm	0.0746 ppm	0.0003 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 1	-0.0014 ppm	1.0327 ppm	-0.0001 ppm	0.0747 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	1.0124 ppm	0.0001 ppm	0.0744 ppm	0.0005 ppm	0.0008 ppm	0.0004 ppm
Concentration per Run 3	0.0005 ppm	1.0312 ppm	0.0000 ppm	0.0746 ppm	0.0003 ppm	0.0016 ppm	0.0004 ppm
Concentration RSD	626.8 %	1.1 %	1,458.5 %	0.2 %	33.2 %	83.4 %	65.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0025 ppm	99.4366 %	103.3708 %	94.2416 %	97.1212 %	101.2445 %	97.2609 %
Concentration per Run 1	0.0024 ppm	98.3271 %	104.0323 %	94.0567 %	96.1149 %	101.0667 %	97.1983 %
Concentration per Run 2	0.0025 ppm	100.4497 %	102.6175 %	94.2406 %	97.5982 %	100.8955 %	97.4006 %
Concentration per Run 3	0.0025 ppm	99.5329 %	103.4626 %	94.4275 %	97.6503 %	101.7712 %	97.1837 %
Concentration RSD	1.2 %	1.1 %	0.7 %	0.2 %	0.9 %	0.5 %	0.1 %

ICP DataTrace 9

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LabBook: WG2083657_06262025T9.imexp

Sample: L2535820-18 WG2082032
Analysis started at: 6/26/2025 1:58:54 PM
Rack 1
Vial 60
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0194 ppm	-0.0002 ppm	0.0099 ppm	0.0102 ppm	0.0000 ppm	6.0612 ppm
Concentration per Run 1	0.0001 ppm	0.0174 ppm	-0.0007 ppm	0.0111 ppm	0.0101 ppm	0.0000 ppm	6.0553 ppm
Concentration per Run 2	0.0000 ppm	0.0192 ppm	0.0001 ppm	0.0096 ppm	0.0103 ppm	0.0000 ppm	6.0601 ppm
Concentration per Run 3	0.0001 ppm	0.0217 ppm	0.0001 ppm	0.0092 ppm	0.0102 ppm	0.0000 ppm	6.0680 ppm
Concentration RSD	52.6 %	11.0 %	264.6 %	10.2 %	0.7 %	647.1 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.1997 ppm	1.2914 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.2006 ppm	1.3124 ppm	0.0012 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm	0.2001 ppm	1.2866 ppm	0.0009 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.1985 ppm	1.2754 ppm	0.0015 ppm
Concentration RSD	593.3 %	119.0 %	48.4 %	17.0 %	0.6 %	1.5 %	23.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.4245 ppm	0.0187 ppm	0.0007 ppm	19.5638 ppm	0.0005 ppm	0.0002 ppm	0.0034 ppm
Concentration per Run 1	1.4311 ppm	0.0189 ppm	0.0008 ppm	19.7837 ppm	0.0002 ppm	0.0008 ppm	0.0026 ppm
Concentration per Run 2	1.4241 ppm	0.0186 ppm	0.0007 ppm	19.5539 ppm	0.0008 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run 3	1.4182 ppm	0.0187 ppm	0.0006 ppm	19.3539 ppm	0.0007 ppm	-0.0003 ppm	0.0033 ppm
Concentration RSD	0.5 %	0.9 %	13.2 %	1.1 %	55.6 %	294.5 %	23.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	2.5664 ppm	-0.0002 ppm	0.0445 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0004 ppm	2.5654 ppm	-0.0002 ppm	0.0443 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	2.5766 ppm	-0.0003 ppm	0.0447 ppm	0.0002 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	2.5571 ppm	0.0000 ppm	0.0444 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm
Concentration RSD	183.2 %	0.4 %	78.6 %	0.5 %	65.3 %	573.3 %	235.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0026 ppm	102.2618 %	104.7440 %	98.4626 %	100.5771 %	103.1207 %	100.0224 %
Concentration per Run 1	0.0026 ppm	101.7232 %	104.6470 %	98.5933 %	100.0578 %	103.0349 %	100.1682 %
Concentration per Run 2	0.0026 ppm	102.4607 %	104.8199 %	97.9739 %	100.5487 %	103.2925 %	99.6728 %
Concentration per Run 3	0.0025 ppm	102.6014 %	104.7652 %	98.8206 %	101.1248 %	103.0348 %	100.2261 %
Concentration RSD	3.4 %	0.5 %	0.1 %	0.4 %	0.5 %	0.1 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-7 WG2082032
Analysis started at: 6/26/2025 2:02:09 PM
Rack 2
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0528 ppm	2.2699 ppm	0.1224 ppm	1.0068 ppm	2.2386 ppm	0.0556 ppm	15.8036 ppm
Concentration per Run 1	0.0528 ppm	2.2656 ppm	0.1248 ppm	1.0078 ppm	2.2213 ppm	0.0554 ppm	15.7790 ppm
Concentration per Run 2	0.0532 ppm	2.2638 ppm	0.1225 ppm	1.0158 ppm	2.2300 ppm	0.0554 ppm	15.7693 ppm
Concentration per Run 3	0.0525 ppm	2.2804 ppm	0.1198 ppm	0.9968 ppm	2.2646 ppm	0.0560 ppm	15.8624 ppm
Concentration RSD	0.7 %	0.4 %	2.1 %	1.0 %	1.0 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0493 ppm	0.5328 ppm	0.2253 ppm	0.2631 ppm	1.2909 ppm	11.9490 ppm	0.0008 ppm
Concentration per Run 1	0.0494 ppm	0.5353 ppm	0.2254 ppm	0.2635 ppm	1.2893 ppm	11.6724 ppm	0.0007 ppm
Concentration per Run 2	0.0495 ppm	0.5329 ppm	0.2262 ppm	0.2643 ppm	1.2838 ppm	11.9858 ppm	0.0010 ppm
Concentration per Run 3	0.0489 ppm	0.5302 ppm	0.2244 ppm	0.2616 ppm	1.2997 ppm	12.1887 ppm	0.0006 ppm
Concentration RSD	0.6 %	0.5 %	0.4 %	0.5 %	0.6 %	2.2 %	27.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.5174 ppm	0.5535 ppm	0.9883 ppm	30.2692 ppm	0.5739 ppm	0.5330 ppm	0.4149 ppm
Concentration per Run 1	11.5161 ppm	0.5536 ppm	0.9836 ppm	29.9058 ppm	0.5741 ppm	0.5338 ppm	0.4137 ppm
Concentration per Run 2	11.5153 ppm	0.5517 ppm	0.9924 ppm	30.3517 ppm	0.5787 ppm	0.5341 ppm	0.4129 ppm
Concentration per Run 3	11.5209 ppm	0.5553 ppm	0.9890 ppm	30.5502 ppm	0.5689 ppm	0.5312 ppm	0.4180 ppm
Concentration RSD	0.0 %	0.3 %	0.5 %	1.1 %	0.8 %	0.3 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1219 ppm	3.7203 ppm	0.9858 ppm	1.0318 ppm	1.0312 ppm	0.1191 ppm	0.5408 ppm
Concentration per Run 1	0.1207 ppm	3.7293 ppm	0.9882 ppm	1.0250 ppm	1.0309 ppm	0.1194 ppm	0.5416 ppm
Concentration per Run 2	0.1229 ppm	3.7289 ppm	0.9871 ppm	1.0287 ppm	1.0333 ppm	0.1199 ppm	0.5409 ppm
Concentration per Run 3	0.1222 ppm	3.7026 ppm	0.9820 ppm	1.0417 ppm	1.0294 ppm	0.1181 ppm	0.5399 ppm
Concentration RSD	0.9 %	0.4 %	0.3 %	0.9 %	0.2 %	0.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5797 ppm	100.2181 %	103.1437 %	94.2821 %	98.1086 %	101.4030 %	97.1308 %
Concentration per Run 1	0.5797 ppm	100.1598 %	103.1183 %	94.5243 %	98.0498 %	101.3342 %	97.7650 %
Concentration per Run 2	0.5831 ppm	99.6521 %	103.9917 %	94.1612 %	97.4142 %	102.1001 %	96.8073 %
Concentration per Run 3	0.5763 ppm	100.8424 %	102.3210 %	94.1607 %	98.8617 %	100.7747 %	96.8201 %
Concentration RSD	0.6 %	0.6 %	0.8 %	0.2 %	0.7 %	0.7 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-8 WG2082032
Analysis started at: 6/26/2025 2:05:22 PM
Rack 2
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0177 ppm	-0.0007 ppm	0.0103 ppm	0.0103 ppm	0.0000 ppm	6.1299 ppm
Concentration per Run 1	-0.0002 ppm	0.0142 ppm	-0.0020 ppm	0.0098 ppm	0.0103 ppm	0.0000 ppm	6.1221 ppm
Concentration per Run 2	0.0000 ppm	0.0207 ppm	-0.0005 ppm	0.0111 ppm	0.0102 ppm	0.0000 ppm	6.1561 ppm
Concentration per Run 3	-0.0001 ppm	0.0183 ppm	0.0003 ppm	0.0100 ppm	0.0103 ppm	0.0000 ppm	6.1115 ppm
Concentration RSD	93.8 %	18.6 %	159.2 %	6.7 %	0.5 %	135.9 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm	0.2006 ppm	1.3183 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0005 ppm	0.2007 ppm	1.3013 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0004 ppm	0.2007 ppm	1.3302 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.0005 ppm	0.2003 ppm	1.3233 ppm	0.0004 ppm
Concentration RSD	3,172.8 %	98.1 %	82.6 %	10.3 %	0.1 %	1.1 %	62.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.4410 ppm	0.0182 ppm	0.0083 ppm	19.8622 ppm	0.0010 ppm	0.0003 ppm	0.0133 ppm
Concentration per Run 1	1.4373 ppm	0.0182 ppm	0.0087 ppm	19.4525 ppm	0.0009 ppm	0.0001 ppm	0.0143 ppm
Concentration per Run 2	1.4424 ppm	0.0183 ppm	0.0085 ppm	20.0683 ppm	0.0010 ppm	0.0003 ppm	0.0115 ppm
Concentration per Run 3	1.4435 ppm	0.0182 ppm	0.0077 ppm	20.0660 ppm	0.0010 ppm	0.0005 ppm	0.0140 ppm
Concentration RSD	0.2 %	0.2 %	6.3 %	1.8 %	7.0 %	75.6 %	11.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	2.6035 ppm	0.0087 ppm	0.0448 ppm	0.0009 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	2.6047 ppm	0.0089 ppm	0.0447 ppm	0.0008 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0017 ppm	2.6007 ppm	0.0093 ppm	0.0447 ppm	0.0009 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 3	-0.0021 ppm	2.6052 ppm	0.0077 ppm	0.0451 ppm	0.0010 ppm	-0.0002 ppm	0.0002 ppm
Concentration RSD	876.8 %	0.1 %	9.5 %	0.6 %	13.8 %	191.3 %	212.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0023 ppm	101.1189 %	104.1462 %	98.0037 %	99.2291 %	102.5855 %	99.8212 %
Concentration per Run 1	0.0021 ppm	102.4246 %	104.4675 %	98.3980 %	99.8511 %	102.7030 %	100.3454 %
Concentration per Run 2	0.0023 ppm	99.6345 %	103.7696 %	98.0394 %	98.3074 %	102.4639 %	99.6260 %
Concentration per Run 3	0.0024 ppm	101.2978 %	104.2014 %	97.5736 %	99.5290 %	102.5897 %	99.4922 %
Concentration RSD	5.9 %	1.4 %	0.3 %	0.4 %	0.8 %	0.1 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-9 WG2082032
Analysis started at: 6/26/2025 2:08:35 PM
Rack 2
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0494 ppm	2.0992 ppm	0.1162 ppm	0.9723 ppm	2.0895 ppm	0.0517 ppm	15.0078 ppm
Concentration per Run 1	0.0492 ppm	2.1031 ppm	0.1158 ppm	0.9735 ppm	2.0825 ppm	0.0518 ppm	15.1324 ppm
Concentration per Run 2	0.0493 ppm	2.1013 ppm	0.1160 ppm	0.9677 ppm	2.0969 ppm	0.0517 ppm	14.9361 ppm
Concentration per Run 3	0.0497 ppm	2.0931 ppm	0.1166 ppm	0.9759 ppm	2.0892 ppm	0.0518 ppm	14.9548 ppm
Concentration RSD	0.5 %	0.3 %	0.4 %	0.4 %	0.3 %	0.1 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0458 ppm	0.4937 ppm	0.2104 ppm	0.2447 ppm	1.2013 ppm	11.4155 ppm	0.0008 ppm
Concentration per Run 1	0.0452 ppm	0.4898 ppm	0.2107 ppm	0.2436 ppm	1.2019 ppm	11.3054 ppm	0.0005 ppm
Concentration per Run 2	0.0460 ppm	0.4952 ppm	0.2102 ppm	0.2450 ppm	1.1962 ppm	11.5369 ppm	0.0010 ppm
Concentration per Run 3	0.0463 ppm	0.4960 ppm	0.2103 ppm	0.2455 ppm	1.2057 ppm	11.4042 ppm	0.0009 ppm
Concentration RSD	1.2 %	0.7 %	0.1 %	0.4 %	0.4 %	1.0 %	36.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.0268 ppm	0.5150 ppm	0.9469 ppm	28.8816 ppm	0.5368 ppm	0.5097 ppm	0.2924 ppm
Concentration per Run 1	11.0280 ppm	0.5162 ppm	0.9343 ppm	28.8276 ppm	0.5368 ppm	0.5097 ppm	0.2832 ppm
Concentration per Run 2	11.0093 ppm	0.5135 ppm	0.9515 ppm	29.0598 ppm	0.5368 ppm	0.5101 ppm	0.2924 ppm
Concentration per Run 3	11.0430 ppm	0.5153 ppm	0.9550 ppm	28.7573 ppm	0.5369 ppm	0.5093 ppm	0.3017 ppm
Concentration RSD	0.2 %	0.3 %	1.2 %	0.5 %	0.0 %	0.1 %	3.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1169 ppm	3.2290 ppm	0.9636 ppm	0.9893 ppm	0.9933 ppm	0.1149 ppm	0.5030 ppm
Concentration per Run 1	0.1168 ppm	3.2158 ppm	0.9547 ppm	0.9873 ppm	0.9944 ppm	0.1164 ppm	0.5028 ppm
Concentration per Run 2	0.1172 ppm	3.2340 ppm	0.9632 ppm	0.9904 ppm	0.9933 ppm	0.1134 ppm	0.5019 ppm
Concentration per Run 3	0.1167 ppm	3.2371 ppm	0.9729 ppm	0.9902 ppm	0.9922 ppm	0.1149 ppm	0.5042 ppm
Concentration RSD	0.2 %	0.4 %	0.9 %	0.2 %	0.1 %	1.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5405 ppm	100.0976 %	103.4220 %	94.5146 %	97.7571 %	101.1188 %	97.4690 %
Concentration per Run 1	0.5388 ppm	100.1986 %	102.4905 %	94.3947 %	98.0110 %	100.9403 %	97.2361 %
Concentration per Run 2	0.5411 ppm	100.3685 %	103.6778 %	95.0322 %	97.8632 %	100.8539 %	98.0229 %
Concentration per Run 3	0.5415 ppm	99.7257 %	104.0978 %	94.1170 %	97.3970 %	101.5622 %	97.1479 %
Concentration RSD	0.3 %	0.3 %	0.8 %	0.5 %	0.3 %	0.4 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2082032-10D5 WG2082032
Analysis started at: 6/26/2025 2:11:48 PM
Rack 2
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0004 ppm	-0.0002 ppm	0.0015 ppm	0.0021 ppm	0.0000 ppm	1.2218 ppm
Concentration per Run 1	-0.0002 ppm	-0.0019 ppm	0.0000 ppm	0.0013 ppm	0.0021 ppm	0.0000 ppm	1.2334 ppm
Concentration per Run 2	-0.0003 ppm	0.0029 ppm	0.0006 ppm	0.0016 ppm	0.0020 ppm	0.0000 ppm	1.2177 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0012 ppm	0.0016 ppm	0.0022 ppm	0.0000 ppm	1.2143 ppm
Concentration RSD	85.6 %	650.1 %	467.5 %	11.5 %	3.4 %	14.1 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0409 ppm	0.2463 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0423 ppm	0.2444 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0405 ppm	0.2385 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	-0.0003 ppm	0.0398 ppm	0.2559 ppm	0.0010 ppm
Concentration RSD	146.7 %	1,193.5 %	23.2 %	161.4 %	3.1 %	3.6 %	70.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2925 ppm	0.0038 ppm	0.0086 ppm	3.8592 ppm	0.0002 ppm	0.0000 ppm	0.0434 ppm
Concentration per Run 1	0.2913 ppm	0.0038 ppm	0.0091 ppm	3.8482 ppm	0.0007 ppm	0.0006 ppm	0.0451 ppm
Concentration per Run 2	0.2943 ppm	0.0038 ppm	0.0085 ppm	3.8846 ppm	0.0004 ppm	-0.0005 ppm	0.0426 ppm
Concentration per Run 3	0.2919 ppm	0.0038 ppm	0.0081 ppm	3.8449 ppm	-0.0006 ppm	-0.0002 ppm	0.0425 ppm
Concentration RSD	0.5 %	1.1 %	5.8 %	0.6 %	323.5 %	1,664.3 %	3.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.5125 ppm	0.0200 ppm	0.0089 ppm	0.0007 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	-0.0026 ppm	0.5140 ppm	0.0206 ppm	0.0090 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0015 ppm	0.5136 ppm	0.0211 ppm	0.0089 ppm	0.0008 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run 3	0.0006 ppm	0.5100 ppm	0.0182 ppm	0.0089 ppm	0.0006 ppm	0.0008 ppm	-0.0001 ppm
Concentration RSD	1,285.7 %	0.4 %	7.6 %	0.6 %	16.7 %	4,551.8 %	134.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	102.4126 %	103.8322 %	100.3448 %	100.9674 %	102.5105 %	101.2027 %
Concentration per Run 1	0.0004 ppm	101.9424 %	103.1962 %	100.4190 %	100.9984 %	102.4811 %	101.0940 %
Concentration per Run 2	0.0005 ppm	103.0773 %	104.4225 %	100.6374 %	101.0451 %	103.1846 %	101.6809 %
Concentration per Run 3	0.0002 ppm	102.2182 %	103.8778 %	99.9781 %	100.8588 %	101.8657 %	100.8330 %
Concentration RSD	35.3 %	0.6 %	0.6 %	0.3 %	0.1 %	0.6 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 2:15:01 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4680 ppm	0.4552 ppm	0.4736 ppm	0.4827 ppm	0.4899 ppm	0.4910 ppm	0.4729 ppm
Concentration per Run 1	0.4669 ppm	0.4571 ppm	0.4740 ppm	0.4826 ppm	0.4888 ppm	0.4910 ppm	0.4775 ppm
Concentration per Run 2	0.4677 ppm	0.4522 ppm	0.4739 ppm	0.4849 ppm	0.4894 ppm	0.4917 ppm	0.4722 ppm
Concentration per Run 3	0.4694 ppm	0.4564 ppm	0.4728 ppm	0.4808 ppm	0.4915 ppm	0.4904 ppm	0.4691 ppm
Recovery Percentage 1	93.602 %	91.040 %	94.712 %	96.546 %	97.980 %	98.209 %	94.589 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.4 %	0.3 %	0.1 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4691 ppm	0.4881 ppm	0.5100 ppm	0.4691 ppm	0.4855 ppm	4.9463 ppm	0.4996 ppm
Concentration per Run 1	0.4699 ppm	0.4894 ppm	0.5085 ppm	0.4695 ppm	0.4893 ppm	4.9180 ppm	0.4967 ppm
Concentration per Run 2	0.4709 ppm	0.4886 ppm	0.5117 ppm	0.4675 ppm	0.4825 ppm	4.9211 ppm	0.4968 ppm
Concentration per Run 3	0.4665 ppm	0.4861 ppm	0.5098 ppm	0.4705 ppm	0.4847 ppm	4.9998 ppm	0.5052 ppm
Recovery Percentage 1	93.819 %	97.613 %	102.000 %	93.829 %	97.102 %	98.926 %	99.916 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.7 %	0.9 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4966 ppm	0.4821 ppm	0.4994 ppm	9.6913 ppm	0.5207 ppm	0.5005 ppm	0.4857 ppm
Concentration per Run 1	0.4973 ppm	0.4847 ppm	0.4991 ppm	9.5852 ppm	0.5218 ppm	0.5028 ppm	0.4866 ppm
Concentration per Run 2	0.4978 ppm	0.4831 ppm	0.5014 ppm	9.7464 ppm	0.5231 ppm	0.4991 ppm	0.4847 ppm
Concentration per Run 3	0.4946 ppm	0.4786 ppm	0.4975 ppm	9.7423 ppm	0.5171 ppm	0.4995 ppm	0.4857 ppm
Recovery Percentage 1	99.316 %	96.429 %	99.872 %	96.913 %	104.130 %	100.099 %	97.132 %
Concentration RSD	0.3 %	0.7 %	0.4 %	0.9 %	0.6 %	0.4 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4781 ppm	4.9526 ppm	0.5177 ppm	0.4935 ppm	0.5055 ppm	0.4994 ppm	0.4731 ppm
Concentration per Run 1	0.4789 ppm	4.9498 ppm	0.5182 ppm	0.4919 ppm	0.5048 ppm	0.4991 ppm	0.4739 ppm
Concentration per Run 2	0.4791 ppm	4.9491 ppm	0.5199 ppm	0.4924 ppm	0.5055 ppm	0.5000 ppm	0.4719 ppm
Concentration per Run 3	0.4762 ppm	4.9589 ppm	0.5150 ppm	0.4963 ppm	0.5061 ppm	0.4992 ppm	0.4735 ppm
Recovery Percentage 1	95.614 %	94.335 %	103.542 %	98.709 %	101.091 %	99.886 %	94.621 %
Concentration RSD	0.3 %	0.1 %	0.5 %	0.5 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5139 ppm	100.9119 %	102.9631 %	96.8332 %	98.7987 %	101.1034 %	98.8209 %
Concentration per Run 1	0.5142 ppm	101.3126 %	102.8358 %	96.7668 %	99.3524 %	101.2878 %	98.6023 %
Concentration per Run 2	0.5172 ppm	100.5034 %	102.9259 %	97.0186 %	98.3763 %	101.1130 %	99.1475 %
Concentration per Run 3	0.5103 ppm	100.9197 %	103.1277 %	96.7142 %	98.6675 %	100.9093 %	98.7130 %
Recovery Percentage 1	102.780 %						
Concentration RSD	0.7 %	0.4 %	0.1 %	0.2 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 2:18:14 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0073 ppm	-0.0008 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0093 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0056 ppm	-0.0015 ppm	-0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0070 ppm	-0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Recovery Percentage 1	-0.371 %	-7.328 %	-16.473 %	-1.243 %	-0.023 %	-0.239 %	0.203 %
Concentration RSD	297.6 %	25.7 %	85.3 %	217.1 %	1,732.4 %	50.0 %	702.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	-0.0007 ppm	-0.0095 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	-0.0004 ppm	-0.0166 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	-0.0016 ppm	-0.0087 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0007 ppm	-0.0003 ppm	-0.0001 ppm	-0.0032 ppm	0.0006 ppm
Recovery Percentage 1	0.087 %	0.319 %	-4.015 %	-2.600 %	-1.389 %	-0.379 %	14.111 %
Concentration RSD	591.3 %	146.9 %	68.5 %	35.5 %	108.9 %	71.3 %	10.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0014 ppm	0.0003 ppm	0.0035 ppm	-0.0035 ppm	0.0001 ppm	-0.0007 ppm	0.0055 ppm
Concentration per Run 1	0.0016 ppm	0.0003 ppm	0.0035 ppm	-0.0043 ppm	0.0000 ppm	-0.0008 ppm	0.0050 ppm
Concentration per Run 2	0.0011 ppm	0.0003 ppm	0.0036 ppm	-0.0059 ppm	0.0004 ppm	-0.0006 ppm	0.0067 ppm
Concentration per Run 3	0.0014 ppm	0.0003 ppm	0.0032 ppm	-0.0003 ppm	-0.0002 ppm	-0.0007 ppm	0.0046 ppm
Recovery Percentage 1	1.362 %	3.062 %	6.907 %	-0.175 %	0.316 %	-7.125 %	10.930 %
Concentration RSD	20.4 %	5.0 %	6.0 %	82.6 %	380.3 %	14.9 %	20.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0017 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 1	0.0010 ppm	-0.0003 ppm	0.0018 ppm	-0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 2	-0.0012 ppm	-0.0009 ppm	0.0026 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0012 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0010 ppm	-0.0001 ppm
Recovery Percentage 1	0.264 %	0.005 %	3.458 %	-0.797 %	0.647 %	3.581 %	-1.023 %
Concentration RSD	4,325.7 %	3,989.9 %	51.0 %	42.2 %	144.3 %	67.3 %	83.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	99.5340 %	101.6133 %	98.3196 %	100.2367 %	101.8777 %	101.0032 %
Concentration per Run 1	0.0000 ppm	99.8828 %	102.0700 %	99.3235 %	100.9094 %	102.2923 %	102.0069 %
Concentration per Run 2	0.0000 ppm	99.5480 %	100.8381 %	98.2690 %	99.9746 %	101.1837 %	101.0162 %
Concentration per Run 3	-0.0002 ppm	99.1714 %	101.9319 %	97.3664 %	99.8261 %	102.1570 %	99.9866 %
Recovery Percentage 1	-2.091 %						
Concentration RSD	120.2 %	0.4 %	0.7 %	1.0 %	0.6 %	0.6 %	1.0 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-05 WG2082032
Analysis started at: 6/26/2025 2:50:45 PM
Rack 2
Vial 9
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0509 ppm	-0.0003 ppm	0.0129 ppm	0.0366 ppm	0.0000 ppm	9.4669 ppm
Concentration per Run 1	-0.0005 ppm	0.0555 ppm	-0.0002 ppm	0.0130 ppm	0.0368 ppm	0.0000 ppm	9.4830 ppm
Concentration per Run 2	0.0000 ppm	0.0477 ppm	-0.0008 ppm	0.0119 ppm	0.0365 ppm	0.0000 ppm	9.4723 ppm
Concentration per Run 3	0.0001 ppm	0.0496 ppm	0.0001 ppm	0.0137 ppm	0.0365 ppm	0.0000 ppm	9.4454 ppm
Concentration RSD	275.4 %	7.9 %	166.3 %	6.9 %	0.5 %	66.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	0.3549 ppm	2.3719 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0004 ppm	0.3571 ppm	2.4024 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0006 ppm	0.3539 ppm	2.3767 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	0.3537 ppm	2.3365 ppm	0.0008 ppm
Concentration RSD	343.8 %	25.6 %	349.1 %	25.9 %	0.5 %	1.4 %	7.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.2798 ppm	0.0239 ppm	0.0006 ppm	47.8406 ppm	0.0007 ppm	-0.0001 ppm	0.0022 ppm
Concentration per Run 1	2.2767 ppm	0.0240 ppm	0.0003 ppm	47.9194 ppm	0.0009 ppm	0.0004 ppm	0.0025 ppm
Concentration per Run 2	2.2879 ppm	0.0239 ppm	0.0009 ppm	48.1493 ppm	0.0004 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 3	2.2747 ppm	0.0238 ppm	0.0004 ppm	47.4530 ppm	0.0009 ppm	-0.0009 ppm	0.0019 ppm
Concentration RSD	0.3 %	0.4 %	55.9 %	0.7 %	43.4 %	457.6 %	14.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	4.0909 ppm	-0.0013 ppm	0.0690 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0002 ppm	4.0900 ppm	-0.0014 ppm	0.0692 ppm	0.0008 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 2	0.0008 ppm	4.0969 ppm	-0.0017 ppm	0.0692 ppm	0.0007 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	-0.0017 ppm	4.0858 ppm	-0.0008 ppm	0.0686 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm
Concentration RSD	548.2 %	0.1 %	36.9 %	0.5 %	6.7 %	7,836.6 %	88.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0028 ppm	101.1825 %	103.2187 %	96.0633 %	98.5236 %	101.7938 %	98.6808 %
Concentration per Run 1	0.0027 ppm	101.2209 %	103.3835 %	95.8301 %	98.6731 %	102.0432 %	98.6111 %
Concentration per Run 2	0.0028 ppm	100.4177 %	102.8347 %	96.4233 %	98.2938 %	101.4836 %	98.8105 %
Concentration per Run 3	0.0028 ppm	101.9088 %	103.4379 %	95.9364 %	98.6039 %	101.8546 %	98.6207 %
Concentration RSD	2.4 %	0.7 %	0.3 %	0.3 %	0.2 %	0.3 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-08 WG2082032
Analysis started at: 6/26/2025 2:54:04 PM
Rack 2
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.1398 ppm	-0.0005 ppm	0.0120 ppm	0.0337 ppm	0.0000 ppm	6.3343 ppm
Concentration per Run 1	-0.0002 ppm	0.1405 ppm	-0.0004 ppm	0.0115 ppm	0.0338 ppm	0.0000 ppm	6.3576 ppm
Concentration per Run 2	-0.0001 ppm	0.1369 ppm	-0.0013 ppm	0.0125 ppm	0.0335 ppm	0.0000 ppm	6.3044 ppm
Concentration per Run 3	0.0002 ppm	0.1419 ppm	0.0001 ppm	0.0119 ppm	0.0337 ppm	0.0000 ppm	6.3407 ppm
Concentration RSD	435.7 %	1.8 %	137.2 %	4.2 %	0.4 %	84.6 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm	1.0012 ppm	2.2700 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	1.0017 ppm	2.2619 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.9982 ppm	2.2561 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	0.0007 ppm	-0.0001 ppm	0.0005 ppm	1.0037 ppm	2.2922 ppm	0.0010 ppm
Concentration RSD	7.2 %	172.0 %	382.9 %	29.7 %	0.3 %	0.9 %	30.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.6565 ppm	0.0407 ppm	0.0002 ppm	37.7250 ppm	0.0006 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run 1	1.6464 ppm	0.0411 ppm	0.0003 ppm	37.6570 ppm	0.0005 ppm	-0.0004 ppm	0.0012 ppm
Concentration per Run 2	1.6677 ppm	0.0406 ppm	0.0003 ppm	37.8141 ppm	0.0011 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run 3	1.6553 ppm	0.0405 ppm	-0.0001 ppm	37.7040 ppm	0.0003 ppm	0.0011 ppm	0.0043 ppm
Concentration RSD	0.6 %	0.7 %	121.0 %	0.2 %	64.0 %	421.3 %	76.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	2.4694 ppm	-0.0013 ppm	0.0439 ppm	0.0020 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 1	-0.0003 ppm	2.4360 ppm	-0.0016 ppm	0.0439 ppm	0.0021 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	-0.0008 ppm	2.4997 ppm	-0.0013 ppm	0.0439 ppm	0.0020 ppm	0.0016 ppm	0.0005 ppm
Concentration per Run 3	0.0008 ppm	2.4726 ppm	-0.0009 ppm	0.0438 ppm	0.0020 ppm	0.0003 ppm	0.0004 ppm
Concentration RSD	1,045.1 %	1.3 %	31.5 %	0.2 %	3.2 %	131.9 %	32.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0039 ppm	101.1054 %	103.9006 %	97.3632 %	99.4349 %	102.2704 %	99.4470 %
Concentration per Run 1	0.0039 ppm	100.7134 %	103.4286 %	97.4397 %	99.1355 %	101.9509 %	99.5921 %
Concentration per Run 2	0.0040 ppm	101.0606 %	104.6924 %	97.8145 %	99.3675 %	102.9902 %	99.8563 %
Concentration per Run 3	0.0039 ppm	101.5423 %	103.5806 %	96.8355 %	99.8015 %	101.8700 %	98.8925 %
Concentration RSD	1.5 %	0.4 %	0.7 %	0.5 %	0.3 %	0.6 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-11 WG2082032
Analysis started at: 6/26/2025 2:57:18 PM
Rack 2
Vial 11
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.1374 ppm	0.0002 ppm	0.0120 ppm	0.0338 ppm	0.0000 ppm	6.3474 ppm
Concentration per Run 1	-0.0002 ppm	0.1318 ppm	-0.0001 ppm	0.0128 ppm	0.0338 ppm	0.0000 ppm	6.3093 ppm
Concentration per Run 2	-0.0002 ppm	0.1381 ppm	-0.0001 ppm	0.0113 ppm	0.0338 ppm	0.0000 ppm	6.3375 ppm
Concentration per Run 3	0.0004 ppm	0.1423 ppm	0.0007 ppm	0.0118 ppm	0.0339 ppm	0.0000 ppm	6.3954 ppm
Concentration RSD	1,770.4 %	3.9 %	237.3 %	6.4 %	0.2 %	12.6 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0008 ppm	1.0001 ppm	2.3056 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0008 ppm	1.0006 ppm	2.3144 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.0007 ppm	0.9977 ppm	2.3205 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0008 ppm	1.0021 ppm	2.2820 ppm	0.0004 ppm
Concentration RSD	269.1 %	26.3 %	385.7 %	7.9 %	0.2 %	0.9 %	56.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.6701 ppm	0.0407 ppm	0.0002 ppm	38.3085 ppm	0.0011 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run 1	1.6697 ppm	0.0403 ppm	0.0004 ppm	38.0382 ppm	0.0012 ppm	0.0014 ppm	0.0021 ppm
Concentration per Run 2	1.6780 ppm	0.0407 ppm	0.0000 ppm	38.6423 ppm	0.0008 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run 3	1.6626 ppm	0.0411 ppm	0.0002 ppm	38.2450 ppm	0.0013 ppm	-0.0009 ppm	-0.0003 ppm
Concentration RSD	0.5 %	0.9 %	118.4 %	0.8 %	23.3 %	601.4 %	107.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	2.4792 ppm	-0.0012 ppm	0.0438 ppm	0.0021 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 1	0.0005 ppm	2.4778 ppm	-0.0016 ppm	0.0437 ppm	0.0021 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	2.4837 ppm	-0.0011 ppm	0.0437 ppm	0.0021 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 3	0.0003 ppm	2.4760 ppm	-0.0008 ppm	0.0440 ppm	0.0022 ppm	-0.0008 ppm	0.0004 ppm
Concentration RSD	92.0 %	0.2 %	36.9 %	0.3 %	2.3 %	237.9 %	9.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0040 ppm	101.1380 %	104.0047 %	96.7725 %	99.5546 %	102.2476 %	98.8028 %
Concentration per Run 1	0.0041 ppm	100.9997 %	104.4664 %	96.4972 %	100.1575 %	102.4058 %	98.6426 %
Concentration per Run 2	0.0042 ppm	100.8641 %	103.6602 %	97.4971 %	99.8681 %	102.1604 %	99.7428 %
Concentration per Run 3	0.0038 ppm	101.5501 %	103.8875 %	96.3231 %	98.6383 %	102.1766 %	98.0230 %
Concentration RSD	4.6 %	0.4 %	0.4 %	0.7 %	0.8 %	0.1 %	0.9 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-14 WG2082032
Analysis started at: 6/26/2025 3:00:32 PM
Rack 2
Vial 12
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0044 ppm	-0.0009 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run 1	0.0001 ppm	-0.0024 ppm	-0.0006 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run 2	0.0000 ppm	-0.0094 ppm	-0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run 3	0.0002 ppm	-0.0014 ppm	-0.0013 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0029 ppm
Concentration RSD	120.1 %	99.0 %	43.7 %	231.0 %	29.8 %	1,418.7 %	19.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0036 ppm	-0.0152 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0028 ppm	-0.0020 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0002 ppm	-0.0003 ppm	0.0040 ppm	-0.0172 ppm	0.0007 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	-0.0004 ppm	-0.0004 ppm	0.0041 ppm	-0.0265 ppm	0.0002 ppm
Concentration RSD	70.1 %	34,650.4 %	35.2 %	22.0 %	18.8 %	81.3 %	49.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0042 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	-0.0004 ppm	-0.0002 ppm	0.0019 ppm
Concentration per Run 1	0.0054 ppm	0.0000 ppm	0.0001 ppm	-0.0029 ppm	-0.0001 ppm	-0.0001 ppm	0.0031 ppm
Concentration per Run 2	0.0033 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 3	0.0039 ppm	0.0001 ppm	0.0003 ppm	0.0012 ppm	-0.0009 ppm	-0.0005 ppm	0.0016 ppm
Concentration RSD	25.6 %	73.9 %	49.5 %	693.8 %	117.2 %	166.3 %	54.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0145 ppm	-0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0009 ppm	0.0148 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	-0.0002 ppm
Concentration per Run 2	-0.0029 ppm	0.0146 ppm	-0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 3	0.0013 ppm	0.0142 ppm	-0.0008 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0003 ppm
Concentration RSD	940.5 %	2.1 %	75.7 %	52.3 %	889.5 %	313.6 %	44.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	102.1663 %	104.4485 %	100.3750 %	102.6572 %	104.1695 %	102.1257 %
Concentration per Run 1	0.0000 ppm	101.3183 %	104.0262 %	100.6674 %	102.3947 %	104.0490 %	102.6000 %
Concentration per Run 2	0.0000 ppm	101.6897 %	104.7125 %	99.2779 %	101.8013 %	104.2013 %	100.9556 %
Concentration per Run 3	0.0000 ppm	103.4910 %	104.6068 %	101.1796 %	103.7756 %	104.2580 %	102.8215 %
Concentration RSD	75.4 %	1.1 %	0.4 %	1.0 %	1.0 %	0.1 %	1.0 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-17 WG2082032
Analysis started at: 6/26/2025 3:03:46 PM
Rack 2
Vial 13
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0020 ppm	0.0015 ppm	0.0317 ppm	0.0243 ppm	0.0000 ppm	17.8140 ppm
Concentration per Run 1	-0.0001 ppm	-0.0035 ppm	0.0019 ppm	0.0316 ppm	0.0243 ppm	0.0000 ppm	17.8123 ppm
Concentration per Run 2	-0.0001 ppm	0.0064 ppm	0.0017 ppm	0.0321 ppm	0.0243 ppm	0.0000 ppm	17.7959 ppm
Concentration per Run 3	-0.0003 ppm	0.0031 ppm	0.0010 ppm	0.0314 ppm	0.0242 ppm	0.0000 ppm	17.8338 ppm
Concentration RSD	36.9 %	247.2 %	31.2 %	1.2 %	0.2 %	934.9 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0027 ppm	0.3351 ppm	4.6698 ppm	0.0016 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0027 ppm	0.3358 ppm	4.6547 ppm	0.0015 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	0.0003 ppm	0.0027 ppm	0.3340 ppm	4.7437 ppm	0.0020 ppm
Concentration per Run 3	0.0002 ppm	0.0005 ppm	-0.0003 ppm	0.0026 ppm	0.3353 ppm	4.6110 ppm	0.0013 ppm
Concentration RSD	283.5 %	55.8 %	388.7 %	1.9 %	0.3 %	1.4 %	21.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.8002 ppm	0.0777 ppm	0.0012 ppm	80.9357 ppm	0.0016 ppm	0.0012 ppm	0.0011 ppm
Concentration per Run 1	4.8066 ppm	0.0773 ppm	0.0016 ppm	80.1076 ppm	0.0010 ppm	0.0012 ppm	-0.0008 ppm
Concentration per Run 2	4.7649 ppm	0.0781 ppm	0.0011 ppm	82.4462 ppm	0.0014 ppm	0.0011 ppm	0.0010 ppm
Concentration per Run 3	4.8291 ppm	0.0779 ppm	0.0009 ppm	80.2532 ppm	0.0024 ppm	0.0012 ppm	0.0031 ppm
Concentration RSD	0.7 %	0.5 %	33.8 %	1.6 %	44.3 %	8.2 %	178.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	2.4319 ppm	-0.0010 ppm	0.1176 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0015 ppm	2.4308 ppm	-0.0009 ppm	0.1178 ppm	0.0002 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 2	-0.0040 ppm	2.4207 ppm	-0.0014 ppm	0.1182 ppm	0.0003 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0002 ppm	2.4441 ppm	-0.0006 ppm	0.1169 ppm	0.0000 ppm	-0.0005 ppm	0.0003 ppm
Concentration RSD	386.5 %	0.5 %	40.7 %	0.6 %	90.1 %	3,473.2 %	31.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0071 ppm	98.7057 %	102.7004 %	92.6062 %	96.6179 %	100.6770 %	96.3429 %
Concentration per Run 1	0.0071 ppm	98.4225 %	103.0830 %	92.6374 %	96.7910 %	100.9249 %	96.1592 %
Concentration per Run 2	0.0071 ppm	99.0621 %	102.9563 %	92.3359 %	96.3798 %	101.1315 %	96.3735 %
Concentration per Run 3	0.0070 ppm	98.6326 %	102.0619 %	92.8452 %	96.6830 %	99.9745 %	96.4959 %
Concentration RSD	0.7 %	0.3 %	0.5 %	0.3 %	0.2 %	0.6 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-20 WG2082032
Analysis started at: 6/26/2025 3:06:59 PM
Rack 2
Vial 14
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0112 ppm	0.0010 ppm	0.0327 ppm	0.0253 ppm	0.0000 ppm	18.5000 ppm
Concentration per Run 1	-0.0003 ppm	0.0133 ppm	0.0016 ppm	0.0332 ppm	0.0253 ppm	0.0000 ppm	18.4497 ppm
Concentration per Run 2	-0.0002 ppm	0.0121 ppm	-0.0001 ppm	0.0327 ppm	0.0253 ppm	0.0000 ppm	18.6250 ppm
Concentration per Run 3	0.0001 ppm	0.0083 ppm	0.0014 ppm	0.0321 ppm	0.0254 ppm	0.0000 ppm	18.4252 ppm
Concentration RSD	146.3 %	23.1 %	94.9 %	1.6 %	0.3 %	805.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0024 ppm	0.3300 ppm	4.6002 ppm	0.0021 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0023 ppm	0.3285 ppm	4.6034 ppm	0.0018 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0025 ppm	0.3325 ppm	4.5863 ppm	0.0021 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0025 ppm	0.3290 ppm	4.6108 ppm	0.0024 ppm
Concentration RSD	8,599.8 %	225.2 %	271.5 %	4.1 %	0.7 %	0.3 %	13.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.0574 ppm	0.0796 ppm	0.0012 ppm	82.3053 ppm	0.0019 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 1	5.0553 ppm	0.0792 ppm	0.0010 ppm	82.9913 ppm	0.0017 ppm	0.0009 ppm	-0.0020 ppm
Concentration per Run 2	5.0756 ppm	0.0804 ppm	0.0011 ppm	81.5039 ppm	0.0021 ppm	-0.0009 ppm	0.0022 ppm
Concentration per Run 3	5.0412 ppm	0.0793 ppm	0.0016 ppm	82.4207 ppm	0.0017 ppm	0.0007 ppm	0.0008 ppm
Concentration RSD	0.3 %	0.8 %	27.9 %	0.9 %	12.2 %	443.0 %	629.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	2.3940 ppm	-0.0011 ppm	0.1206 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0024 ppm	2.3953 ppm	-0.0016 ppm	0.1210 ppm	0.0003 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 2	-0.0014 ppm	2.4047 ppm	-0.0010 ppm	0.1198 ppm	0.0001 ppm	-0.0004 ppm	0.0003 ppm
Concentration per Run 3	0.0002 ppm	2.3822 ppm	-0.0007 ppm	0.1211 ppm	0.0005 ppm	-0.0007 ppm	0.0001 ppm
Concentration RSD	451.7 %	0.5 %	42.6 %	0.6 %	59.2 %	8,436.9 %	65.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0072 ppm	99.5274 %	103.8498 %	92.8442 %	97.0697 %	101.5027 %	96.8380 %
Concentration per Run 1	0.0073 ppm	100.0247 %	105.1874 %	92.8132 %	96.9408 %	103.0912 %	96.8845 %
Concentration per Run 2	0.0073 ppm	99.2934 %	102.5282 %	92.8214 %	97.4403 %	100.2126 %	96.9183 %
Concentration per Run 3	0.0070 ppm	99.2641 %	103.8337 %	92.8979 %	96.8279 %	101.2045 %	96.7111 %
Concentration RSD	2.1 %	0.4 %	1.3 %	0.1 %	0.3 %	1.4 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535822-23 WG2082032
Analysis started at: 6/26/2025 3:10:12 PM
Rack 2
Vial 15
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	-0.0020 ppm	0.0013 ppm	0.0355 ppm	0.0239 ppm	0.0000 ppm	19.0299 ppm
Concentration per Run 1	-0.0002 ppm	-0.0017 ppm	0.0008 ppm	0.0354 ppm	0.0239 ppm	0.0000 ppm	19.0707 ppm
Concentration per Run 2	-0.0002 ppm	-0.0023 ppm	0.0017 ppm	0.0358 ppm	0.0239 ppm	0.0000 ppm	18.9555 ppm
Concentration per Run 3	-0.0005 ppm	-0.0019 ppm	0.0013 ppm	0.0355 ppm	0.0240 ppm	0.0000 ppm	19.0634 ppm
Concentration RSD	62.7 %	14.6 %	34.2 %	0.6 %	0.3 %	633.0 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0022 ppm	0.2292 ppm	4.8142 ppm	0.0019 ppm
Concentration per Run 1	0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0020 ppm	0.2295 ppm	4.7772 ppm	0.0023 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0023 ppm	0.2282 ppm	4.8402 ppm	0.0019 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0023 ppm	0.2300 ppm	4.8254 ppm	0.0014 ppm
Concentration RSD	87.8 %	328.5 %	319.0 %	7.3 %	0.4 %	0.7 %	25.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.0767 ppm	0.0580 ppm	0.0012 ppm	84.3327 ppm	0.0022 ppm	-0.0001 ppm	0.0033 ppm
Concentration per Run 1	5.0935 ppm	0.0583 ppm	0.0012 ppm	83.9657 ppm	0.0019 ppm	-0.0001 ppm	0.0011 ppm
Concentration per Run 2	5.0635 ppm	0.0576 ppm	0.0014 ppm	84.2950 ppm	0.0022 ppm	-0.0006 ppm	0.0039 ppm
Concentration per Run 3	5.0732 ppm	0.0582 ppm	0.0010 ppm	84.7372 ppm	0.0024 ppm	0.0004 ppm	0.0051 ppm
Concentration RSD	0.3 %	0.7 %	13.8 %	0.5 %	12.5 %	537.3 %	61.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0019 ppm	2.3941 ppm	-0.0008 ppm	0.1232 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 1	-0.0010 ppm	2.3951 ppm	-0.0008 ppm	0.1233 ppm	-0.0001 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 2	-0.0021 ppm	2.4008 ppm	-0.0013 ppm	0.1233 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	-0.0025 ppm	2.3865 ppm	-0.0004 ppm	0.1229 ppm	-0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration RSD	40.6 %	0.3 %	57.1 %	0.2 %	1,163.9 %	47.2 %	244.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0065 ppm	98.6461 %	102.2178 %	92.2436 %	96.3897 %	100.1074 %	96.3268 %
Concentration per Run 1	0.0063 ppm	99.3705 %	101.8020 %	92.5803 %	97.5865 %	99.8590 %	96.7030 %
Concentration per Run 2	0.0065 ppm	98.1664 %	102.8124 %	91.6535 %	96.2909 %	100.3851 %	95.8094 %
Concentration per Run 3	0.0067 ppm	98.4013 %	102.0391 %	92.4971 %	95.2917 %	100.0780 %	96.4680 %
Concentration RSD	3.2 %	0.6 %	0.5 %	0.6 %	1.2 %	0.3 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 3:13:25 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4692 ppm	0.4544 ppm	0.4694 ppm	0.4830 ppm	0.4862 ppm	0.4895 ppm	0.4743 ppm
Concentration per Run 1	0.4699 ppm	0.4553 ppm	0.4721 ppm	0.4772 ppm	0.4867 ppm	0.4880 ppm	0.4723 ppm
Concentration per Run 2	0.4688 ppm	0.4540 ppm	0.4684 ppm	0.4893 ppm	0.4856 ppm	0.4902 ppm	0.4746 ppm
Concentration per Run 3	0.4689 ppm	0.4539 ppm	0.4677 ppm	0.4825 ppm	0.4863 ppm	0.4902 ppm	0.4760 ppm
Recovery Percentage 1	93.834 %	90.881 %	93.884 %	96.603 %	97.246 %	97.893 %	94.859 %
Concentration RSD	0.1 %	0.2 %	0.5 %	1.3 %	0.1 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4662 ppm	0.4842 ppm	0.5122 ppm	0.4687 ppm	0.4838 ppm	4.8904 ppm	0.4937 ppm
Concentration per Run 1	0.4660 ppm	0.4835 ppm	0.5083 ppm	0.4701 ppm	0.4804 ppm	4.9100 ppm	0.4959 ppm
Concentration per Run 2	0.4699 ppm	0.4865 ppm	0.5170 ppm	0.4678 ppm	0.4839 ppm	4.8336 ppm	0.4893 ppm
Concentration per Run 3	0.4626 ppm	0.4824 ppm	0.5115 ppm	0.4682 ppm	0.4869 ppm	4.9276 ppm	0.4960 ppm
Recovery Percentage 1	93.240 %	96.831 %	102.448 %	93.736 %	96.753 %	97.808 %	98.748 %
Concentration RSD	0.8 %	0.4 %	0.9 %	0.3 %	0.7 %	1.0 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4966 ppm	0.4827 ppm	0.4940 ppm	9.6998 ppm	0.5212 ppm	0.4978 ppm	0.4652 ppm
Concentration per Run 1	0.4951 ppm	0.4813 ppm	0.4946 ppm	9.7234 ppm	0.5158 ppm	0.4947 ppm	0.4674 ppm
Concentration per Run 2	0.5003 ppm	0.4829 ppm	0.4968 ppm	9.6557 ppm	0.5274 ppm	0.4983 ppm	0.4678 ppm
Concentration per Run 3	0.4943 ppm	0.4839 ppm	0.4907 ppm	9.7203 ppm	0.5204 ppm	0.5003 ppm	0.4605 ppm
Recovery Percentage 1	99.311 %	96.541 %	98.804 %	96.998 %	104.235 %	99.552 %	93.043 %
Concentration RSD	0.7 %	0.3 %	0.6 %	0.4 %	1.1 %	0.6 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4710 ppm	4.9490 ppm	0.5111 ppm	0.4906 ppm	0.5050 ppm	0.4942 ppm	0.4712 ppm
Concentration per Run 1	0.4716 ppm	4.9241 ppm	0.5054 ppm	0.4906 ppm	0.5041 ppm	0.4929 ppm	0.4727 ppm
Concentration per Run 2	0.4744 ppm	4.9782 ppm	0.5165 ppm	0.4895 ppm	0.5064 ppm	0.4947 ppm	0.4707 ppm
Concentration per Run 3	0.4670 ppm	4.9447 ppm	0.5115 ppm	0.4917 ppm	0.5044 ppm	0.4952 ppm	0.4701 ppm
Recovery Percentage 1	94.202 %	94.267 %	102.223 %	98.118 %	100.997 %	98.848 %	94.233 %
Concentration RSD	0.8 %	0.6 %	1.1 %	0.2 %	0.3 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5165 ppm	100.7625 %	103.1461 %	97.4224 %	98.5707 %	101.6628 %	99.4347 %
Concentration per Run 1	0.5133 ppm	100.8886 %	103.2779 %	97.8932 %	98.3585 %	101.8411 %	99.9348 %
Concentration per Run 2	0.5221 ppm	100.1687 %	103.3766 %	97.0265 %	98.3329 %	101.8502 %	99.3061 %
Concentration per Run 3	0.5140 ppm	101.2301 %	102.7838 %	97.3475 %	99.0208 %	101.2972 %	99.0631 %
Recovery Percentage 1	103.294 %						
Concentration RSD	0.9 %	0.5 %	0.3 %	0.4 %	0.4 %	0.3 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 3:16:38 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0064 ppm	-0.0009 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0072 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	-0.0044 ppm	-0.0016 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run 3	-0.0003 ppm	-0.0076 ppm	-0.0011 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm
Recovery Percentage 1	-0.457 %	-6.417 %	-18.985 %	-1.525 %	0.487 %	0.291 %	0.097 %
Concentration RSD	652.6 %	27.1 %	73.6 %	86.1 %	132.7 %	68.9 %	1,805.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0001 ppm	-0.0059 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0004 ppm	-0.0003 ppm	-0.0002 ppm	0.0007 ppm	0.0016 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0002 ppm	0.0002 ppm	-0.0108 ppm	0.0003 ppm
Concentration per Run 3	0.0001 ppm	-0.0006 ppm	-0.0001 ppm	-0.0001 ppm	-0.0005 ppm	-0.0087 ppm	0.0006 ppm
Recovery Percentage 1	1.455 %	-0.016 %	-2.006 %	-1.682 %	0.250 %	-0.237 %	8.769 %
Concentration RSD	22.2 %	17,960.1 %	66.0 %	13.7 %	485.5 %	111.8 %	38.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0007 ppm	0.0025 ppm	0.0028 ppm	-0.0004 ppm	0.0001 ppm	0.0015 ppm
Concentration per Run 1	0.0012 ppm	0.0007 ppm	0.0029 ppm	0.0013 ppm	-0.0006 ppm	0.0002 ppm	-0.0012 ppm
Concentration per Run 2	-0.0001 ppm	0.0007 ppm	0.0020 ppm	0.0030 ppm	-0.0007 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run 3	-0.0008 ppm	0.0006 ppm	0.0026 ppm	0.0040 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Recovery Percentage 1	0.107 %	6.797 %	4.957 %	0.139 %	-1.577 %	1.112 %	2.979 %
Concentration RSD	932.4 %	8.9 %	18.9 %	49.4 %	95.7 %	97.5 %	156.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0009 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	-0.0018 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 2	-0.0013 ppm	0.0005 ppm	-0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0008 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	-9.448 %	0.070 %	0.401 %	-0.148 %	1.982 %	-1.043 %	-1.087 %
Concentration RSD	113.1 %	173.0 %	402.1 %	88.1 %	77.6 %	233.2 %	52.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.6993 %	101.9571 %	98.1550 %	101.3154 %	102.1908 %	100.9089 %
Concentration per Run 1	0.0000 ppm	101.1128 %	102.2925 %	98.5876 %	101.2105 %	102.3006 %	101.1665 %
Concentration per Run 2	-0.0001 ppm	100.2072 %	101.1962 %	97.5858 %	100.7250 %	101.7070 %	100.1770 %
Concentration per Run 3	-0.0002 ppm	100.7778 %	102.3827 %	98.2914 %	102.0108 %	102.5649 %	101.3833 %
Recovery Percentage 1	-2.045 %						
Concentration RSD	83.3 %	0.5 %	0.6 %	0.5 %	0.6 %	0.4 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083872-1 WG2083872
Analysis started at: 6/26/2025 3:52:51 PM
Rack 2
Vial 16
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0054 ppm	-0.0009 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0107 ppm
Concentration per Run 1	0.0001 ppm	-0.0033 ppm	-0.0004 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run 2	0.0001 ppm	-0.0087 ppm	-0.0016 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run 3	0.0000 ppm	-0.0041 ppm	-0.0009 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0100 ppm
Concentration RSD	107.7 %	54.9 %	60.7 %	54.0 %	329.1 %	127.5 %	21.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0035 ppm	0.0163 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0031 ppm	0.0138 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0037 ppm	0.0258 ppm	0.0004 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0036 ppm	0.0094 ppm	-0.0001 ppm
Concentration RSD	54.2 %	381.5 %	88.6 %	237.1 %	8.1 %	52.0 %	219.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0025 ppm	0.0044 ppm	0.0016 ppm	0.0091 ppm	-0.0004 ppm	-0.0004 ppm	0.0015 ppm
Concentration per Run 1	0.0018 ppm	0.0041 ppm	0.0017 ppm	0.0076 ppm	-0.0009 ppm	-0.0003 ppm	0.0027 ppm
Concentration per Run 2	0.0033 ppm	0.0047 ppm	0.0018 ppm	0.0091 ppm	0.0001 ppm	-0.0001 ppm	0.0010 ppm
Concentration per Run 3	0.0024 ppm	0.0044 ppm	0.0014 ppm	0.0105 ppm	-0.0003 ppm	-0.0008 ppm	0.0007 ppm
Concentration RSD	30.4 %	7.2 %	13.3 %	15.5 %	127.5 %	103.4 %	71.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0218 ppm	0.0101 ppm	0.0000 ppm	0.0016 ppm	-0.0032 ppm	0.0000 ppm
Concentration per Run 1	0.0026 ppm	0.0233 ppm	0.0105 ppm	0.0000 ppm	0.0015 ppm	-0.0040 ppm	0.0000 ppm
Concentration per Run 2	0.0014 ppm	0.0216 ppm	0.0099 ppm	0.0000 ppm	0.0016 ppm	-0.0026 ppm	-0.0001 ppm
Concentration per Run 3	0.0005 ppm	0.0206 ppm	0.0099 ppm	-0.0001 ppm	0.0015 ppm	-0.0031 ppm	-0.0001 ppm
Concentration RSD	71.5 %	6.2 %	3.5 %	60.5 %	4.1 %	22.4 %	180.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0025 ppm	106.2399 %	105.3180 %	97.5410 %	104.7688 %	104.1045 %	100.9704 %
Concentration per Run 1	0.0025 ppm	104.7751 %	112.0846 %	97.0328 %	102.7197 %	107.2552 %	100.8922 %
Concentration per Run 2	0.0025 ppm	105.0227 %	99.4941 %	97.9522 %	102.9937 %	101.4480 %	101.1435 %
Concentration per Run 3	0.0025 ppm	108.9219 %	104.3752 %	97.6381 %	108.5929 %	103.6104 %	100.8755 %
Concentration RSD	0.9 %	2.2 %	6.0 %	0.5 %	3.2 %	2.8 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083872-2D2 WG2083872
Analysis started at: 6/26/2025 3:56:18 PM
Rack 2
Vial 17
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0514 ppm	2.2230 ppm	0.1188 ppm	0.9530 ppm	2.2021 ppm	0.0540 ppm	9.5941 ppm
Concentration per Run 1	0.0513 ppm	2.2250 ppm	0.1158 ppm	0.9537 ppm	2.1960 ppm	0.0538 ppm	9.5884 ppm
Concentration per Run 2	0.0512 ppm	2.2332 ppm	0.1203 ppm	0.9530 ppm	2.2160 ppm	0.0543 ppm	9.6262 ppm
Concentration per Run 3	0.0516 ppm	2.2110 ppm	0.1202 ppm	0.9523 ppm	2.1943 ppm	0.0540 ppm	9.5679 ppm
Concentration RSD	0.5 %	0.5 %	2.1 %	0.1 %	0.5 %	0.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0471 ppm	0.5221 ppm	0.2240 ppm	0.2663 ppm	1.0693 ppm	10.8852 ppm	0.0006 ppm
Concentration per Run 1	0.0472 ppm	0.5227 ppm	0.2239 ppm	0.2666 ppm	1.0652 ppm	10.8417 ppm	0.0010 ppm
Concentration per Run 2	0.0471 ppm	0.5211 ppm	0.2240 ppm	0.2660 ppm	1.0778 ppm	11.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0469 ppm	0.5225 ppm	0.2241 ppm	0.2663 ppm	1.0650 ppm	10.8136 ppm	0.0007 ppm
Concentration RSD	0.3 %	0.2 %	0.0 %	0.1 %	0.7 %	0.9 %	72.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0305 ppm	0.5253 ppm	1.0276 ppm	11.0967 ppm	0.5638 ppm	0.5385 ppm	0.4651 ppm
Concentration per Run 1	10.0644 ppm	0.5257 ppm	1.0305 ppm	11.1190 ppm	0.5641 ppm	0.5360 ppm	0.4626 ppm
Concentration per Run 2	10.0081 ppm	0.5273 ppm	1.0240 ppm	11.1251 ppm	0.5631 ppm	0.5377 ppm	0.4648 ppm
Concentration per Run 3	10.0191 ppm	0.5229 ppm	1.0283 ppm	11.0460 ppm	0.5643 ppm	0.5417 ppm	0.4680 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	0.4 %	0.1 %	0.5 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1160 ppm	0.7878 ppm	1.0214 [SIC 20]	0.9853 ppm	1.0397 ppm	0.1196 ppm	0.5320 ppm
Concentration per Run 1	0.1157 ppm	0.7852 ppm	1.0219 ppm	0.9827 ppm	1.0439 ppm	0.1202 ppm	0.5324 ppm
Concentration per Run 2	0.1148 ppm	0.7923 ppm	1.0212 ppm	0.9900 ppm	1.0385 ppm	0.1195 ppm	0.5326 ppm
Concentration per Run 3	0.1175 ppm	0.7858 ppm	1.0210 ppm	0.9832 ppm	1.0366 ppm	0.1190 ppm	0.5311 ppm
Concentration RSD	1.2 %	0.5 %	0.0 %	0.4 %	0.4 %	0.5 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5502 ppm	101.4335 %	102.6079 %	94.2052 %	99.5667 %	100.9320 %	97.2585 %
Concentration per Run 1	0.5513 ppm	101.0062 %	103.1269 %	94.6110 %	99.5932 %	101.4327 %	97.5665 %
Concentration per Run 2	0.5496 ppm	101.8138 %	101.9644 %	93.8058 %	99.5495 %	100.6749 %	97.0512 %
Concentration per Run 3	0.5497 ppm	101.4803 %	102.7325 %	94.1987 %	99.5574 %	100.6884 %	97.1578 %
Concentration RSD	0.2 %	0.4 %	0.6 %	0.4 %	0.0 %	0.4 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2539676-01 WG2083872
Analysis started at: 6/26/2025 3:59:31 PM
Rack 2
Vial 23
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.4629 ppm	0.0006 ppm	0.9651 ppm	0.0175 ppm	0.0000 ppm	4.9258 ppm
Concentration per Run 1	0.0000 ppm	0.4392 ppm	0.0006 ppm	0.9650 ppm	0.0165 ppm	0.0000 ppm	4.6178 ppm
Concentration per Run 2	-0.0002 ppm	0.4354 ppm	0.0003 ppm	0.9695 ppm	0.0165 ppm	0.0000 ppm	4.6585 ppm
Concentration per Run 3	0.0001 ppm	0.5142 ppm	0.0009 ppm	0.9609 ppm	0.0196 ppm	0.0000 ppm	5.5010 ppm
Concentration RSD	561.7 %	9.6 %	47.1 %	0.4 %	10.2 %	671.7 %	10.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0013 ppm	0.0262 ppm	0.1232 ppm	1.6142 ppm	0.2101 ppm	0.0014 ppm
Concentration per Run 1	0.0002 ppm	0.0016 ppm	0.0262 ppm	0.1235 ppm	1.5225 ppm	0.1918 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	0.0013 ppm	0.0263 ppm	0.1235 ppm	1.5140 ppm	0.2016 ppm	0.0012 ppm
Concentration per Run 3	0.0001 ppm	0.0011 ppm	0.0260 ppm	0.1227 ppm	1.8062 ppm	0.2371 ppm	0.0016 ppm
Concentration RSD	50.8 %	18.5 %	0.7 %	0.4 %	10.3 %	11.3 %	12.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.1089 ppm	0.0790 ppm	0.0015 ppm	1.2566 ppm	0.0371 ppm	0.0060 ppm	0.0030 ppm
Concentration per Run 1	2.1133 ppm	0.0743 ppm	0.0015 ppm	1.1710 ppm	0.0375 ppm	0.0055 ppm	0.0017 ppm
Concentration per Run 2	2.1081 ppm	0.0744 ppm	0.0013 ppm	1.1880 ppm	0.0374 ppm	0.0065 ppm	0.0030 ppm
Concentration per Run 3	2.1054 ppm	0.0883 ppm	0.0017 ppm	1.4108 ppm	0.0363 ppm	0.0061 ppm	0.0043 ppm
Concentration RSD	0.2 %	10.2 %	14.0 %	10.7 %	1.8 %	8.2 %	43.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	0.2920 ppm	0.0155 ppm	0.0174 ppm	0.0013 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 1	0.0041 ppm	0.2926 ppm	0.0156 ppm	0.0164 ppm	0.0011 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 2	0.0034 ppm	0.2931 ppm	0.0161 ppm	0.0163 ppm	0.0015 ppm	-0.0026 ppm	0.0001 ppm
Concentration per Run 3	0.0015 ppm	0.2901 ppm	0.0148 ppm	0.0194 ppm	0.0012 ppm	-0.0023 ppm	0.0004 ppm
Concentration RSD	45.8 %	0.5 %	4.3 %	10.2 %	16.3 %	45.9 %	77.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	15.4513 ppm	103.7910 %	105.5154 %	96.8263 %	101.6639 %	103.7272 %	100.2827 %
Concentration per Run 1	15.4803 ppm	103.8258 %	111.5010 %	97.1907 %	101.6668 %	104.9957 %	100.6129 %
Concentration per Run 2	15.5521 ppm	103.2882 %	110.4535 %	97.2335 %	101.2845 %	112.8680 %	100.7966 %
Concentration per Run 3	15.3215 ppm	104.2591 %	94.5917 %	96.0546 %	102.0405 %	93.3180 %	99.4385 %
Concentration RSD	0.8 %	0.5 %	9.0 %	0.7 %	0.4 %	9.5 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2539675-01 WG2083872
Analysis started at: 6/26/2025 4:02:44 PM
Rack 2
Vial 18
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.2029 ppm	-0.0005 ppm	0.1684 ppm	0.0002 ppm	0.0000 ppm	0.0191 ppm
Concentration per Run 1	0.0003 ppm	0.2131 ppm	-0.0012 ppm	0.1659 ppm	0.0002 ppm	0.0000 ppm	0.0213 ppm
Concentration per Run 2	0.0007 ppm	0.2112 ppm	0.0003 ppm	0.1688 ppm	0.0002 ppm	0.0000 ppm	0.0200 ppm
Concentration per Run 3	0.0003 ppm	0.1844 ppm	-0.0008 ppm	0.1707 ppm	0.0002 ppm	0.0000 ppm	0.0160 ppm
Concentration RSD	55.8 %	7.9 %	144.9 %	1.4 %	12.4 %	128.6 %	14.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0177 ppm	0.0558 ppm	0.5423 ppm	0.0101 ppm	0.0002 ppm
Concentration per Run 1	0.0002 ppm	0.0000 ppm	0.0173 ppm	0.0558 ppm	0.5683 ppm	0.0035 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	-0.0004 ppm	0.0182 ppm	0.0559 ppm	0.5592 ppm	0.0101 ppm	0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.0004 ppm	0.0178 ppm	0.0558 ppm	0.4994 ppm	0.0168 ppm	0.0002 ppm
Concentration RSD	13.5 %	4,173.0 %	2.4 %	0.1 %	6.9 %	65.4 %	39.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0077 ppm	0.0160 ppm	0.0002 ppm	0.0378 ppm	-0.0004 ppm	0.0931 ppm	0.0022 ppm
Concentration per Run 1	0.0083 ppm	0.0167 ppm	0.0005 ppm	0.0391 ppm	-0.0002 ppm	0.0891 ppm	0.0013 ppm
Concentration per Run 2	0.0073 ppm	0.0165 ppm	0.0002 ppm	0.0395 ppm	-0.0008 ppm	0.0962 ppm	0.0022 ppm
Concentration per Run 3	0.0074 ppm	0.0146 ppm	-0.0001 ppm	0.0349 ppm	-0.0002 ppm	0.0940 ppm	0.0030 ppm
Concentration RSD	7.2 %	7.2 %	161.6 %	6.7 %	82.2 %	3.9 %	40.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	0.0320 ppm	0.0124 ppm	0.0000 ppm	0.0007 ppm	-0.0021 ppm	0.0000 ppm
Concentration per Run 1	0.0021 ppm	0.0320 ppm	0.0127 ppm	0.0000 ppm	0.0008 ppm	-0.0017 ppm	-0.0001 ppm
Concentration per Run 2	0.0028 ppm	0.0322 ppm	0.0119 ppm	0.0000 ppm	0.0006 ppm	-0.0025 ppm	0.0001 ppm
Concentration per Run 3	0.0041 ppm	0.0319 ppm	0.0126 ppm	0.0000 ppm	0.0006 ppm	-0.0022 ppm	0.0000 ppm
Concentration RSD	34.0 %	0.5 %	3.5 %	268.7 %	18.8 %	19.7 %	386.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	39.9970 [SIC 50]	104.8055 %	109.7562 %	97.7039 %	103.3493 %	105.3351 %	101.5161 %
Concentration per Run 1	39.8459 ppm	105.1191 %	105.2401 %	103.0145 %	103.6916 %	103.7161 %	106.6070 %
Concentration per Run 2	39.7142 ppm	105.2918 %	105.3162 %	93.6166 %	103.5503 %	103.1239 %	97.1985 %
Concentration per Run 3	40.4308 ppm	104.0057 %	118.7122 %	96.4806 %	102.8059 %	109.1653 %	100.7429 %
Concentration RSD	1.0 %	0.7 %	7.1 %	4.9 %	0.5 %	3.2 %	4.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083872-3 WG2083872
Analysis started at: 6/26/2025 4:05:58 PM
Rack 2
Vial 19
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.1018 ppm	4.8322 ppm	0.2416 ppm	2.0262 ppm	4.3899 ppm	0.1090 ppm	18.8821 ppm
Concentration per Run 1	0.1010 ppm	4.8413 ppm	0.2406 ppm	2.0191 ppm	4.3871 ppm	0.1091 ppm	19.0755 ppm
Concentration per Run 2	0.1021 ppm	4.8472 ppm	0.2417 ppm	2.0363 ppm	4.3932 ppm	0.1088 ppm	18.7513 ppm
Concentration per Run 3	0.1022 ppm	4.8080 ppm	0.2426 ppm	2.0231 ppm	4.3894 ppm	0.1090 ppm	18.8195 ppm
Concentration RSD	0.6 %	0.4 %	0.4 %	0.4 %	0.1 %	0.1 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0926 ppm	1.0278 ppm	0.4672 ppm	0.6040 ppm	2.7966 ppm	21.5886 ppm	0.0005 ppm
Concentration per Run 1	0.0926 ppm	1.0275 ppm	0.4683 ppm	0.6003 ppm	2.8091 ppm	21.5937 ppm	0.0006 ppm
Concentration per Run 2	0.0929 ppm	1.0291 ppm	0.4673 ppm	0.6060 ppm	2.7874 ppm	21.6491 ppm	0.0008 ppm
Concentration per Run 3	0.0923 ppm	1.0268 ppm	0.4661 ppm	0.6058 ppm	2.7932 ppm	21.5230 ppm	0.0000 ppm
Concentration RSD	0.3 %	0.1 %	0.2 %	0.5 %	0.4 %	0.3 %	85.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.2834 ppm	1.0750 ppm	2.0237 ppm	22.0043 ppm	1.1013 ppm	1.2474 ppm	0.9145 ppm
Concentration per Run 1	19.3236 ppm	1.0793 ppm	2.0241 ppm	21.9894 ppm	1.1013 ppm	1.2432 ppm	0.9103 ppm
Concentration per Run 2	19.3279 ppm	1.0708 ppm	2.0303 ppm	22.1675 ppm	1.1049 ppm	1.2465 ppm	0.9221 ppm
Concentration per Run 3	19.1987 ppm	1.0749 ppm	2.0166 ppm	21.8561 ppm	1.0978 ppm	1.2526 ppm	0.9110 ppm
Concentration RSD	0.4 %	0.4 %	0.3 %	0.7 %	0.3 %	0.4 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.2334 ppm	1.5482 ppm	1.9357 [SIC 20]	1.9456 ppm	2.0410 ppm	0.2359 ppm	1.0593 ppm
Concentration per Run 1	0.2321 ppm	1.5448 ppm	1.9264 ppm	1.9402 ppm	2.0443 ppm	0.2345 ppm	1.0560 ppm
Concentration per Run 2	0.2349 ppm	1.5532 ppm	1.9540 ppm	1.9524 ppm	2.0425 ppm	0.2360 ppm	1.0612 ppm
Concentration per Run 3	0.2333 ppm	1.5467 ppm	1.9266 ppm	1.9443 ppm	2.0362 ppm	0.2371 ppm	1.0607 ppm
Concentration RSD	0.6 %	0.3 %	0.8 %	0.3 %	0.2 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	48.6805 [SIC 50]	99.9343 %	102.3765 %	90.2575 %	97.3641 %	99.9168 %	95.3591 %
Concentration per Run 1	48.8298 ppm	99.3007 %	101.6021 %	89.9407 %	97.2930 %	99.7859 %	94.8500 %
Concentration per Run 2	48.9598 ppm	99.5885 %	103.1391 %	90.4687 %	96.9423 %	100.4321 %	95.6899 %
Concentration per Run 3	48.2519 ppm	100.9136 %	102.3882 %	90.3632 %	97.8570 %	99.5323 %	95.5375 %
Concentration RSD	0.8 %	0.9 %	0.8 %	0.3 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083872-4 WG2083872
Analysis started at: 6/26/2025 4:09:11 PM
Rack 2
Vial 20
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	0.2551 ppm	-0.0004 ppm	0.1885 ppm	0.0003 ppm	0.0000 ppm	0.0237 ppm
Concentration per Run 1	0.0004 ppm	0.2802 ppm	-0.0013 ppm	0.1876 ppm	0.0003 ppm	0.0000 ppm	0.0260 ppm
Concentration per Run 2	0.0005 ppm	0.2703 ppm	-0.0003 ppm	0.1907 ppm	0.0004 ppm	0.0000 ppm	0.0250 ppm
Concentration per Run 3	0.0006 ppm	0.2147 ppm	0.0005 ppm	0.1872 ppm	0.0002 ppm	0.0000 ppm	0.0201 ppm
Concentration RSD	11.8 %	13.8 %	247.9 %	1.0 %	33.5 %	79.0 %	13.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0003 ppm	0.0207 ppm	0.0633 ppm	0.5984 ppm	0.0234 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0208 ppm	0.0638 ppm	0.6641 ppm	0.0333 ppm	0.0006 ppm
Concentration per Run 2	0.0003 ppm	0.0003 ppm	0.0210 ppm	0.0631 ppm	0.6309 ppm	0.0182 ppm	-0.0007 ppm
Concentration per Run 3	0.0002 ppm	0.0002 ppm	0.0204 ppm	0.0630 ppm	0.5003 ppm	0.0187 ppm	0.0001 ppm
Concentration RSD	52.7 %	26.1 %	1.5 %	0.6 %	14.5 %	36.7 %	16,820.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0092 ppm	0.0213 ppm	0.0005 ppm	0.0434 ppm	-0.0002 ppm	0.1224 ppm	0.0048 ppm
Concentration per Run 1	0.0094 ppm	0.0237 ppm	0.0006 ppm	0.0487 ppm	-0.0003 ppm	0.1287 ppm	0.0031 ppm
Concentration per Run 2	0.0101 ppm	0.0223 ppm	0.0005 ppm	0.0476 ppm	0.0003 ppm	0.1216 ppm	0.0067 ppm
Concentration per Run 3	0.0083 ppm	0.0178 ppm	0.0004 ppm	0.0338 ppm	-0.0006 ppm	0.1168 ppm	0.0046 ppm
Concentration RSD	10.3 %	14.4 %	19.1 %	19.1 %	281.2 %	4.9 %	37.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	0.0403 ppm	0.0290 ppm	0.0000 ppm	0.0008 ppm	-0.0022 ppm	0.0001 ppm
Concentration per Run 1	0.0017 ppm	0.0406 ppm	0.0285 ppm	0.0001 ppm	0.0008 ppm	-0.0026 ppm	0.0002 ppm
Concentration per Run 2	0.0041 ppm	0.0403 ppm	0.0301 ppm	0.0000 ppm	0.0007 ppm	-0.0018 ppm	0.0000 ppm
Concentration per Run 3	0.0026 ppm	0.0399 ppm	0.0282 ppm	0.0000 ppm	0.0009 ppm	-0.0022 ppm	0.0001 ppm
Concentration RSD	42.7 %	0.9 %	3.5 %	112.7 %	18.4 %	20.2 %	67.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	**43.7270 [SIC 50]**	105.3605 %	111.6932 %	101.3238 %	103.3578 %	105.6697 %	105.0525 %
Concentration per Run 1	43.6497 ppm	105.5911 %	99.9999 %	96.4429 %	103.1212 %	99.6461 %	100.5964 %
Concentration per Run 2	44.2013 ppm	104.4152 %	103.7937 %	101.8283 %	102.6934 %	103.2512 %	105.2983 %
Concentration per Run 3	43.3301 ppm	106.0752 %	131.2861 %	105.7004 %	104.2589 %	114.1119 %	109.2628 %
Concentration RSD	1.0 %	0.8 %	15.3 %	4.6 %	0.8 %	7.1 %	4.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083872-5 WG2083872
Analysis started at: 6/26/2025 4:12:24 PM
Rack 2
Vial 21
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0479 ppm	2.3406 ppm	0.1139 ppm	1.0453 ppm	2.1202 ppm	0.0514 ppm	9.2918 ppm
Concentration per Run 1	0.0480 ppm	2.3873 ppm	0.1142 ppm	1.0413 ppm	2.1503 ppm	0.0523 ppm	9.4712 ppm
Concentration per Run 2	0.0477 ppm	2.3292 ppm	0.1143 ppm	1.0475 ppm	2.1142 ppm	0.0511 ppm	9.2226 ppm
Concentration per Run 3	0.0481 ppm	2.3054 ppm	0.1133 ppm	1.0470 ppm	2.0962 ppm	0.0508 ppm	9.1815 ppm
Concentration RSD	0.5 %	1.8 %	0.5 %	0.3 %	1.3 %	1.5 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0440 ppm	0.4922 ppm	0.2258 ppm	0.3105 ppm	1.5766 ppm	10.7566 ppm	0.0004 ppm
Concentration per Run 1	0.0436 ppm	0.4903 ppm	0.2258 ppm	0.3093 ppm	1.6083 ppm	10.9506 ppm	0.0008 ppm
Concentration per Run 2	0.0442 ppm	0.4956 ppm	0.2250 ppm	0.3102 ppm	1.5647 ppm	10.8067 ppm	0.0004 ppm
Concentration per Run 3	0.0443 ppm	0.4907 ppm	0.2267 ppm	0.3119 ppm	1.5568 ppm	10.5126 ppm	0.0000 ppm
Concentration RSD	0.8 %	0.6 %	0.4 %	0.4 %	1.8 %	2.1 %	110.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.4369 ppm	0.5214 ppm	0.9773 ppm	10.9840 ppm	0.5269 ppm	0.6043 ppm	0.3563 ppm
Concentration per Run 1	9.4447 ppm	0.5320 ppm	0.9753 ppm	11.1715 ppm	0.5253 ppm	0.6039 ppm	0.3512 ppm
Concentration per Run 2	9.4287 ppm	0.5179 ppm	0.9800 ppm	10.9959 ppm	0.5281 ppm	0.6064 ppm	0.3530 ppm
Concentration per Run 3	9.4374 ppm	0.5144 ppm	0.9766 ppm	10.7848 ppm	0.5274 ppm	0.6026 ppm	0.3646 ppm
Concentration RSD	0.1 %	1.8 %	0.2 %	1.8 %	0.3 %	0.3 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1113 ppm	0.6523 ppm	0.9531 ppm	0.9631 ppm	0.9894 ppm	0.1140 ppm	0.5009 ppm
Concentration per Run 1	0.1123 ppm	0.6505 ppm	0.9499 ppm	0.9758 ppm	0.9902 ppm	0.1135 ppm	0.4999 ppm
Concentration per Run 2	0.1110 ppm	0.6538 ppm	0.9538 ppm	0.9589 ppm	0.9855 ppm	0.1148 ppm	0.5003 ppm
Concentration per Run 3	0.1106 ppm	0.6527 ppm	0.9555 ppm	0.9546 ppm	0.9926 ppm	0.1138 ppm	0.5026 ppm
Concentration RSD	0.8 %	0.3 %	0.3 %	1.2 %	0.4 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	39.1372 [SIC 50]	102.3749 %	103.5604 %	93.8992 %	100.3125 %	101.8635 %	98.0148 %
Concentration per Run 1	39.0506 ppm	102.7362 %	101.7873 %	93.5248 %	100.5848 %	100.5950 %	97.6110 %
Concentration per Run 2	39.1000 ppm	102.1193 %	104.1864 %	94.0526 %	100.7618 %	102.7911 %	98.3676 %
Concentration per Run 3	39.2610 ppm	102.2693 %	104.7075 %	94.1204 %	99.5909 %	102.2044 %	98.0656 %
Concentration RSD	0.3 %	0.3 %	1.5 %	0.3 %	0.6 %	1.1 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083872-6D5 WG2083872
Analysis started at: 6/26/2025 4:15:37 PM
Rack 2
Vial 22
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0366 ppm	-0.0012 ppm	0.0375 ppm	0.0001 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 1	0.0003 ppm	0.0305 ppm	-0.0023 ppm	0.0372 ppm	0.0001 ppm	0.0000 ppm	0.0088 ppm
Concentration per Run 2	0.0000 ppm	0.0423 ppm	-0.0006 ppm	0.0390 ppm	0.0001 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run 3	0.0003 ppm	0.0372 ppm	-0.0007 ppm	0.0362 ppm	0.0001 ppm	0.0000 ppm	0.0102 ppm
Concentration RSD	95.2 %	16.1 %	80.2 %	3.8 %	41.1 %	130.5 %	12.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	0.0034 ppm	0.0110 ppm	0.1134 ppm	0.0047 ppm	0.0005 ppm
Concentration per Run 1	0.0002 ppm	0.0002 ppm	0.0033 ppm	0.0112 ppm	0.1137 ppm	0.0092 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	0.0034 ppm	0.0107 ppm	0.1144 ppm	0.0127 ppm	0.0001 ppm
Concentration per Run 3	0.0001 ppm	-0.0005 ppm	0.0034 ppm	0.0110 ppm	0.1120 ppm	-0.0078 ppm	0.0008 ppm
Concentration RSD	71.4 %	1,487.2 %	2.7 %	2.4 %	1.1 %	233.7 %	73.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0026 ppm	0.0034 ppm	0.0002 ppm	0.0077 ppm	-0.0001 ppm	0.0172 ppm	0.0251 ppm
Concentration per Run 1	0.0010 ppm	0.0034 ppm	0.0003 ppm	0.0082 ppm	0.0000 ppm	0.0172 ppm	0.0248 ppm
Concentration per Run 2	0.0014 ppm	0.0033 ppm	0.0000 ppm	0.0070 ppm	-0.0001 ppm	0.0179 ppm	0.0255 ppm
Concentration per Run 3	0.0055 ppm	0.0035 ppm	0.0004 ppm	0.0080 ppm	-0.0002 ppm	0.0167 ppm	0.0249 ppm
Concentration RSD	93.9 %	2.5 %	95.1 %	7.7 %	92.8 %	3.5 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0053 ppm	0.0247 ppm	0.0000 ppm	0.0003 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0028 ppm	0.0062 ppm	0.0258 ppm	0.0000 ppm	0.0004 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 2	0.0015 ppm	0.0051 ppm	0.0255 ppm	0.0001 ppm	0.0002 ppm	-0.0015 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0045 ppm	0.0229 ppm	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0001 ppm
Concentration RSD	94.2 %	16.4 %	6.5 %	156.5 %	37.2 %	61.3 %	440.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	9.4127 ppm	103.5202 %	104.5476 %	100.2727 %	102.1963 %	102.6510 %	101.3328 %
Concentration per Run 1	9.4505 ppm	103.6992 %	104.5555 %	99.9549 %	102.5862 %	102.4485 %	101.2421 %
Concentration per Run 2	9.3796 ppm	103.4447 %	104.1917 %	100.2971 %	101.8018 %	102.3336 %	101.2014 %
Concentration per Run 3	9.4079 ppm	103.4167 %	104.8955 %	100.5661 %	102.2009 %	103.1709 %	101.5549 %
Concentration RSD	0.4 %	0.2 %	0.3 %	0.3 %	0.4 %	0.4 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 4:20:41 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4704 ppm	0.4581 ppm	0.4758 ppm	0.4860 ppm	0.4906 ppm	0.4938 ppm	0.4768 ppm
Concentration per Run 1	0.4731 ppm	0.4596 ppm	0.4767 ppm	0.4908 ppm	0.4877 ppm	0.4930 ppm	0.4800 ppm
Concentration per Run 2	0.4684 ppm	0.4617 ppm	0.4752 ppm	0.4818 ppm	0.4940 ppm	0.4945 ppm	0.4763 ppm
Concentration per Run 3	0.4699 ppm	0.4531 ppm	0.4755 ppm	0.4855 ppm	0.4901 ppm	0.4939 ppm	0.4740 ppm
Recovery Percentage 1	94.087 %	91.621 %	95.157 %	97.210 %	98.123 %	98.759 %	95.355 %
Concentration RSD	0.5 %	1.0 %	0.2 %	0.9 %	0.6 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4689 ppm	0.4882 ppm	0.5135 ppm	0.4714 ppm	0.4872 ppm	4.9710 ppm	0.5038 ppm
Concentration per Run 1	0.4684 ppm	0.4883 ppm	0.5173 ppm	0.4745 ppm	0.4864 ppm	4.9691 ppm	0.5039 ppm
Concentration per Run 2	0.4725 ppm	0.4905 ppm	0.5116 ppm	0.4677 ppm	0.4875 ppm	4.9866 ppm	0.5034 ppm
Concentration per Run 3	0.4658 ppm	0.4858 ppm	0.5114 ppm	0.4720 ppm	0.4877 ppm	4.9573 ppm	0.5041 ppm
Recovery Percentage 1	93.779 %	97.640 %	102.690 %	94.287 %	97.441 %	99.420 %	100.764 %
Concentration RSD	0.7 %	0.5 %	0.6 %	0.7 %	0.1 %	0.3 %	0.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5003 ppm	0.4846 ppm	0.4990 ppm	9.8384 ppm	0.5224 ppm	0.5018 ppm	0.4712 ppm
Concentration per Run 1	0.5011 ppm	0.4835 ppm	0.5004 ppm	9.8525 ppm	0.5258 ppm	0.5018 ppm	0.4735 ppm
Concentration per Run 2	0.5006 ppm	0.4856 ppm	0.5014 ppm	9.8642 ppm	0.5209 ppm	0.5032 ppm	0.4699 ppm
Concentration per Run 3	0.4993 ppm	0.4846 ppm	0.4953 ppm	9.7985 ppm	0.5204 ppm	0.5004 ppm	0.4703 ppm
Recovery Percentage 1	100.069 %	96.912 %	99.810 %	98.384 %	104.475 %	100.359 %	94.248 %
Concentration RSD	0.2 %	0.2 %	0.7 %	0.4 %	0.6 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4770 ppm	4.9849 ppm	0.5221 ppm	0.4943 ppm	0.5077 ppm	0.5000 ppm	0.4734 ppm
Concentration per Run 1	0.4752 ppm	4.9999 ppm	0.5263 ppm	0.4904 ppm	0.5089 ppm	0.5015 ppm	0.4733 ppm
Concentration per Run 2	0.4771 ppm	4.9834 ppm	0.5210 ppm	0.4967 ppm	0.5080 ppm	0.5003 ppm	0.4724 ppm
Concentration per Run 3	0.4787 ppm	4.9715 ppm	0.5190 ppm	0.4957 ppm	0.5061 ppm	0.4984 ppm	0.4746 ppm
Recovery Percentage 1	95.401 %	94.951 %	104.421 %	98.854 %	101.535 %	100.007 %	94.690 %
Concentration RSD	0.4 %	0.3 %	0.7 %	0.7 %	0.3 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5195 ppm	100.3469 %	102.5298 %	96.3746 %	98.5438 %	100.6855 %	98.2073 %
Concentration per Run 1	0.5241 ppm	99.9777 %	102.2067 %	96.1412 %	98.1478 %	100.6906 %	98.1435 %
Concentration per Run 2	0.5193 ppm	100.5099 %	102.2109 %	96.8253 %	98.9867 %	100.5937 %	98.6243 %
Concentration per Run 3	0.5151 ppm	100.5532 %	103.1717 %	96.1571 %	98.4969 %	100.7722 %	97.8541 %
Recovery Percentage 1	103.898 %						
Concentration RSD	0.9 %	0.3 %	0.5 %	0.4 %	0.4 %	0.1 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 4:23:55 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0070 ppm	-0.0012 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0045 ppm	-0.0036 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 2	-0.0003 ppm	-0.0079 ppm	0.0005 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	-0.0085 ppm	-0.0005 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Recovery Percentage 1	-1.213 %	-6.978 %	-23.971 %	-2.809 %	0.340 %	0.192 %	0.394 %
Concentration RSD	269.6 %	30.7 %	179.4 %	90.4 %	144.9 %	156.5 %	406.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0006 ppm	-0.0110 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	-0.0002 ppm	0.0004 ppm	-0.0119 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	-0.0003 ppm	0.0014 ppm	-0.0072 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	-0.0138 ppm	0.0011 ppm
Recovery Percentage 1	0.384 %	-1.190 %	-3.084 %	-1.113 %	1.252 %	-0.439 %	14.555 %
Concentration RSD	229.1 %	113.7 %	39.7 %	191.8 %	113.3 %	30.7 %	51.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0008 ppm	0.0006 ppm	0.0026 ppm	-0.0042 ppm	-0.0002 ppm	-0.0008 ppm	0.0028 ppm
Concentration per Run 1	-0.0005 ppm	0.0005 ppm	0.0024 ppm	-0.0017 ppm	-0.0003 ppm	-0.0011 ppm	0.0025 ppm
Concentration per Run 2	-0.0016 ppm	0.0006 ppm	0.0029 ppm	-0.0055 ppm	0.0000 ppm	-0.0015 ppm	0.0029 ppm
Concentration per Run 3	-0.0004 ppm	0.0007 ppm	0.0023 ppm	-0.0053 ppm	-0.0002 ppm	0.0001 ppm	0.0029 ppm
Recovery Percentage 1	-0.830 %	5.990 %	5.114 %	-0.208 %	-0.611 %	-8.273 %	5.609 %
Concentration RSD	83.0 %	15.7 %	13.2 %	51.5 %	83.2 %	98.9 %	8.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	-0.0006 ppm	0.0022 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	-0.0004 ppm	0.0022 ppm	0.0000 ppm	-0.0001 ppm	0.0015 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0010 ppm	0.0020 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0002 ppm	-0.0004 ppm	0.0024 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0002 ppm
Recovery Percentage 1	4.213 %	-0.115 %	4.393 %	-0.515 %	0.669 %	4.135 %	0.504 %
Concentration RSD	132.1 %	58.6 %	9.1 %	65.4 %	232.0 %	73.5 %	345.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0009 ppm	99.7399 %	102.5224 %	97.6415 %	100.2344 %	102.9615 %	100.5682 %
Concentration per Run 1	0.0009 ppm	99.5952 %	102.8338 %	97.4976 %	100.3371 %	102.8103 %	100.3626 %
Concentration per Run 2	0.0008 ppm	100.1252 %	102.8537 %	97.6268 %	100.9485 %	103.0438 %	100.5761 %
Concentration per Run 3	0.0009 ppm	99.4994 %	101.8798 %	97.8000 %	99.4175 %	103.0303 %	100.7660 %
Recovery Percentage 1	17.073 %						
Concentration RSD	2.3 %	0.3 %	0.5 %	0.2 %	0.8 %	0.1 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2081570-1 WG2081570
Analysis started at: 6/26/2025 5:47:04 PM
Rack 2
Vial 24
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	-0.0024 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0194 ppm
Concentration per Run 1	-0.0003 ppm	0.0017 ppm	-0.0024 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0197 ppm
Concentration per Run 2	-0.0001 ppm	-0.0019 ppm	-0.0027 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0168 ppm
Concentration per Run 3	0.0000 ppm	-0.0016 ppm	-0.0022 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0218 ppm
Recovery Percentage 1	-2.023 %	-0.566 %	-47.956 %	-1.296 %	1.321 %	0.093 %	19.430 %
Concentration RSD	112.7 %	354.4 %	10.5 %	170.7 %	5.4 %	556.6 %	12.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0220 ppm	0.0179 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	0.0004 ppm	-0.0002 ppm	0.0227 ppm	0.0105 ppm	0.0015 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0214 ppm	0.0139 ppm	0.0013 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0001 ppm	0.0220 ppm	0.0292 ppm	0.0009 ppm
Recovery Percentage 1	0.669 %	0.612 %	3.446 %	-1.448 %	44.077 %	0.715 %	24.680 %
Concentration RSD	219.8 %	189.7 %	95.1 %	70.8 %	3.1 %	55.8 %	25.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0057 ppm	**0.0135 ppm**	0.0003 ppm	0.0046 ppm	-0.0001 ppm	0.0002 ppm	0.0021 ppm
Concentration per Run 1	0.0058 ppm	0.0136 ppm	0.0000 ppm	0.0039 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 2	0.0064 ppm	0.0133 ppm	0.0005 ppm	0.0047 ppm	-0.0003 ppm	0.0002 ppm	0.0015 ppm
Concentration per Run 3	0.0050 ppm	0.0136 ppm	0.0003 ppm	0.0052 ppm	0.0001 ppm	0.0003 ppm	0.0032 ppm
Recovery Percentage 1	5.716 %	135.142 %	0.521 %	0.229 %	-0.318 %	1.747 %	4.136 %
Concentration RSD	12.4 %	**1.3 %**	102.7 %	14.2 %	290.1 %	102.1 %	48.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	0.0141 ppm	0.0067 ppm	0.0000 ppm	0.0004 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0010 ppm	0.0150 ppm	0.0069 ppm	0.0000 ppm	0.0004 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 2	0.0015 ppm	0.0142 ppm	0.0068 ppm	0.0000 ppm	0.0005 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	0.0018 ppm	0.0130 ppm	0.0065 ppm	-0.0001 ppm	0.0003 ppm	-0.0011 ppm	-0.0001 ppm
Recovery Percentage 1	14.420 %	2.817 %	13.429 %	-0.348 %	3.601 %	-4.379 %	-0.344 %
Concentration RSD	25.0 %	7.1 %	3.1 %	170.8 %	26.2 %	22.1 %	390.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0017 ppm	101.3631 %	101.4184 %	97.2463 %	100.9150 %	100.5683 %	99.8512 %
Concentration per Run 1	0.0017 ppm	101.3397 %	101.0528 %	97.2221 %	101.1991 %	101.0822 %	100.1123 %
Concentration per Run 2	0.0019 ppm	101.6008 %	102.3945 %	97.1399 %	100.5330 %	100.9669 %	99.5393 %
Concentration per Run 3	0.0016 ppm	101.1487 %	100.8077 %	97.3770 %	101.0129 %	99.6559 %	99.9021 %
Recovery Percentage 1	34.568 %						
Concentration RSD	6.7 %	0.2 %	0.8 %	0.1 %	0.3 %	0.8 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2081570-2D2 WG2081570
Analysis started at: 6/26/2025 5:50:34 PM
Rack 2
Vial 25
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0492 ppm	2.1240 ppm	0.1235 ppm	1.0015 ppm	2.1059 ppm	0.0533 ppm	9.9962 ppm
Concentration per Run 1	0.0495 ppm	2.1378 ppm	0.1249 ppm	0.9968 ppm	2.1197 ppm	0.0535 ppm	10.0541 ppm
Concentration per Run 2	0.0494 ppm	2.1069 ppm	0.1221 ppm	1.0067 ppm	2.0904 ppm	0.0530 ppm	9.8534 ppm
Concentration per Run 3	0.0488 ppm	2.1274 ppm	0.1234 ppm	1.0011 ppm	2.1075 ppm	0.0534 ppm	10.0810 ppm
Concentration RSD	0.8 %	0.7 %	1.2 %	0.5 %	0.7 %	0.5 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0520 ppm	0.5047 ppm	0.2142 ppm	0.2479 ppm	1.0605 ppm	10.4716 ppm	0.0011 ppm
Concentration per Run 1	0.0520 ppm	0.5040 ppm	0.2132 ppm	0.2485 ppm	1.0658 ppm	10.5490 ppm	0.0016 ppm
Concentration per Run 2	0.0522 ppm	0.5063 ppm	0.2151 ppm	0.2476 ppm	1.0504 ppm	10.3615 ppm	0.0007 ppm
Concentration per Run 3	0.0517 ppm	0.5037 ppm	0.2142 ppm	0.2476 ppm	1.0651 ppm	10.5043 ppm	0.0011 ppm
Concentration RSD	0.6 %	0.3 %	0.4 %	0.2 %	0.8 %	0.9 %	38.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.3488 ppm	0.5098 ppm	1.0355 ppm	10.3977 ppm	0.5409 ppm	0.5485 ppm	0.4875 ppm
Concentration per Run 1	10.3190 ppm	0.5123 ppm	1.0351 ppm	10.5072 ppm	0.5374 ppm	0.5506 ppm	0.4888 ppm
Concentration per Run 2	10.3757 ppm	0.5046 ppm	1.0354 ppm	10.2685 ppm	0.5450 ppm	0.5494 ppm	0.4857 ppm
Concentration per Run 3	10.3517 ppm	0.5126 ppm	1.0358 ppm	10.4174 ppm	0.5402 ppm	0.5457 ppm	0.4880 ppm
Concentration RSD	0.3 %	0.9 %	0.0 %	1.2 %	0.7 %	0.5 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1225 ppm	1.0835 ppm	1.0381 [SIC 20]	1.0079 ppm	1.0547 ppm	0.1232 ppm	0.5112 ppm
Concentration per Run 1	0.1217 ppm	1.0832 ppm	1.0370 ppm	1.0140 ppm	1.0509 ppm	0.1249 ppm	0.5120 ppm
Concentration per Run 2	0.1230 ppm	1.0867 ppm	1.0384 ppm	1.0028 ppm	1.0586 ppm	0.1231 ppm	0.5114 ppm
Concentration per Run 3	0.1228 ppm	1.0807 ppm	1.0389 ppm	1.0070 ppm	1.0547 ppm	0.1216 ppm	0.5102 ppm
Concentration RSD	0.6 %	0.3 %	0.1 %	0.6 %	0.4 %	1.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5404 ppm	98.5267 %	100.8369 %	93.8875 %	96.9678 %	99.2214 %	96.8045 %
Concentration per Run 1	0.5395 ppm	98.4395 %	100.0465 %	93.6670 %	96.6417 %	99.1658 %	96.8708 %
Concentration per Run 2	0.5424 ppm	98.6014 %	101.5552 %	94.3066 %	97.0425 %	98.5904 %	97.2327 %
Concentration per Run 3	0.5393 ppm	98.5393 %	100.9090 %	93.6889 %	97.2191 %	99.9079 %	96.3099 %
Concentration RSD	0.3 %	0.1 %	0.8 %	0.4 %	0.3 %	0.7 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-09D2 WG2081570
Analysis started at: 6/26/2025 5:53:48 PM
Rack 2
Vial 31
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	85.6442 ppm	0.0232 ppm	0.0218 ppm	0.7584 ppm	0.0079 ppm	10.7803 ppm
Concentration per Run 1	-0.0001 ppm	85.1374 ppm	0.0229 ppm	0.0217 ppm	0.7538 ppm	0.0078 ppm	10.6975 ppm
Concentration per Run 2	-0.0005 ppm	86.0726 ppm	0.0244 ppm	0.0218 ppm	0.7561 ppm	0.0079 ppm	10.8379 ppm
Concentration per Run 3	-0.0003 ppm	85.7227 ppm	0.0224 ppm	0.0219 ppm	0.7652 ppm	0.0080 ppm	10.8056 ppm
Concentration RSD	57.0 %	0.6 %	4.4 %	0.3 %	0.8 %	1.3 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0023 ppm	0.1526 ppm	0.1929 ppm	0.1402 ppm	188.5691 ppm	8.3905 ppm	0.2467 ppm
Concentration per Run 1	0.0024 ppm	0.1524 ppm	0.1933 ppm	0.1401 ppm	187.2009 ppm	8.3013 ppm	0.2431 ppm
Concentration per Run 2	0.0022 ppm	0.1527 ppm	0.1928 ppm	0.1403 ppm	188.8191 ppm	8.4795 ppm	0.2503 ppm
Concentration per Run 3	0.0022 ppm	0.1526 ppm	0.1926 ppm	0.1400 ppm	189.6874 ppm	8.3908 ppm	0.2465 ppm
Concentration RSD	5.8 %	0.1 %	0.2 %	0.1 %	0.7 %	1.1 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	43.9873 ppm	4.1712 ppm	0.0063 ppm	0.8879 ppm	0.2067 ppm	0.1195 ppm	-0.0013 ppm
Concentration per Run 1	43.9914 ppm	4.1307 ppm	0.0066 ppm	0.8824 ppm	0.2079 ppm	0.1197 ppm	-0.0016 ppm
Concentration per Run 2	43.9609 ppm	4.1913 ppm	0.0060 ppm	0.9007 ppm	0.2060 ppm	0.1192 ppm	0.0002 ppm
Concentration per Run 3	44.0096 ppm	4.1916 ppm	0.0065 ppm	0.8806 ppm	0.2062 ppm	0.1196 ppm	-0.0025 ppm
Concentration RSD	0.1 %	0.8 %	5.0 %	1.3 %	0.5 %	0.2 %	103.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0039 ppm	2.0728 ppm	0.0095 ppm	0.0975 ppm	2.6792 ppm	-0.0003 ppm	0.1588 ppm
Concentration per Run 1	-0.0034 ppm	2.0784 ppm	0.0101 ppm	0.0965 ppm	2.6830 ppm	-0.0009 ppm	0.1594 ppm
Concentration per Run 2	-0.0059 ppm	2.0747 ppm	0.0092 ppm	0.0973 ppm	2.6745 ppm	-0.0003 ppm	0.1576 ppm
Concentration per Run 3	-0.0025 ppm	2.0653 ppm	0.0093 ppm	0.0988 ppm	2.6801 ppm	0.0003 ppm	0.1594 ppm
Concentration RSD	44.2 %	0.3 %	4.7 %	1.2 %	0.2 %	215.7 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5187 ppm	104.1109 %	104.3801 %	91.4304 %	135.7810 %	145.7107 %	141.6731 %
Concentration per Run 1	0.5197 ppm	104.4155 %	104.9811 %	91.4106 %	135.1960 %	145.0060 %	142.1352 %
Concentration per Run 2	0.5202 ppm	102.7164 %	104.4648 %	91.5930 %	135.3978 %	146.7148 %	141.9771 %
Concentration per Run 3	0.5163 ppm	105.2008 %	103.6942 %	91.2876 %	136.7493 %	145.4112 %	140.9069 %
Concentration RSD	0.4 %	1.2 %	0.6 %	0.2 %	0.6 %	0.6 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-11D2 WG2081570
Analysis started at: 6/26/2025 5:57:01 PM
Rack 2
Vial 32
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	126.4964 ppm	0.0438 ppm	0.0012 ppm	0.9120 ppm	0.0074 ppm	13.6661 ppm
Concentration per Run 1	-0.0002 ppm	126.4904 ppm	0.0441 ppm	0.0016 ppm	0.9161 ppm	0.0074 ppm	13.6433 ppm
Concentration per Run 2	0.0000 ppm	126.3338 ppm	0.0437 ppm	0.0004 ppm	0.9107 ppm	0.0074 ppm	13.6716 ppm
Concentration per Run 3	-0.0002 ppm	126.6650 ppm	0.0438 ppm	0.0015 ppm	0.9092 ppm	0.0074 ppm	13.6834 ppm
Concentration RSD	83.4 %	0.1 %	0.4 %	57.6 %	0.4 %	0.3 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0022 ppm	0.0518 ppm	0.0801 ppm	0.0479 ppm	151.7032 ppm	6.7887 ppm	0.0577 ppm
Concentration per Run 1	0.0023 ppm	0.0515 ppm	0.0793 ppm	0.0480 ppm	152.4763 ppm	6.8111 ppm	0.0581 ppm
Concentration per Run 2	0.0022 ppm	0.0519 ppm	0.0800 ppm	0.0478 ppm	151.0473 ppm	6.7960 ppm	0.0582 ppm
Concentration per Run 3	0.0022 ppm	0.0520 ppm	0.0808 ppm	0.0478 ppm	151.5860 ppm	6.7590 ppm	0.0567 ppm
Concentration RSD	3.7 %	0.5 %	1.0 %	0.2 %	0.5 %	0.4 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.2278 ppm	5.1672 ppm	0.0056 ppm	0.3861 ppm	0.0643 ppm	0.2130 ppm	-0.0002 ppm
Concentration per Run 1	14.1999 ppm	5.1778 ppm	0.0052 ppm	0.3838 ppm	0.0636 ppm	0.2139 ppm	-0.0013 ppm
Concentration per Run 2	14.2361 ppm	5.1462 ppm	0.0058 ppm	0.3861 ppm	0.0644 ppm	0.2131 ppm	0.0018 ppm
Concentration per Run 3	14.2475 ppm	5.1774 ppm	0.0058 ppm	0.3883 ppm	0.0648 ppm	0.2120 ppm	-0.0010 ppm
Concentration RSD	0.2 %	0.4 %	6.1 %	0.6 %	1.0 %	0.4 %	1,055.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0013 ppm	1.9328 ppm	0.0112 ppm	0.0724 ppm	1.9219 ppm	-0.0005 ppm	0.0641 ppm
Concentration per Run 1	0.0015 ppm	1.9212 ppm	0.0103 ppm	0.0729 ppm	1.9115 ppm	-0.0001 ppm	0.0640 ppm
Concentration per Run 2	-0.0032 ppm	1.9336 ppm	0.0111 ppm	0.0724 ppm	1.9254 ppm	0.0002 ppm	0.0640 ppm
Concentration per Run 3	-0.0022 ppm	1.9436 ppm	0.0122 ppm	0.0720 ppm	1.9286 ppm	-0.0016 ppm	0.0643 ppm
Concentration RSD	190.0 %	0.6 %	8.6 %	0.6 %	0.5 %	192.8 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3308 ppm	102.1837 %	106.2948 %	91.5555 %	**210.8471 %**	**222.5875 %**	**213.9186 %**
Concentration per Run 1	0.3287 ppm	102.5133 %	106.1451 %	91.3614 %	**211.8857 %**	**221.8152 %**	**213.9570 %**
Concentration per Run 2	0.3321 ppm	102.1489 %	106.2508 %	91.6801 %	**210.6149 %**	**222.1185 %**	**214.1965 %**
Concentration per Run 3	0.3316 ppm	101.8888 %	106.4884 %	91.6250 %	**210.0408 %**	**223.8288 %**	**213.6023 %**
Concentration RSD	0.6 %	0.3 %	0.2 %	0.2 %	**0.4 %**	**0.5 %**	**0.1 %**

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-13D2 WG2081570
Analysis started at: 6/26/2025 6:00:15 PM
Rack 2
Vial 33
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	80.2765 ppm	0.0348 ppm	0.0008 ppm	0.5881 ppm	0.0062 ppm	9.0849 ppm
Concentration per Run 1	0.0001 ppm	79.9805 ppm	0.0367 ppm	0.0018 ppm	0.5893 ppm	0.0062 ppm	9.0826 ppm
Concentration per Run 2	0.0000 ppm	80.1246 ppm	0.0344 ppm	-0.0004 ppm	0.5853 ppm	0.0062 ppm	9.0381 ppm
Concentration per Run 3	0.0001 ppm	80.7245 ppm	0.0332 ppm	0.0011 ppm	0.5896 ppm	0.0062 ppm	9.1340 ppm
Concentration RSD	180.7 %	0.5 %	5.1 %	139.4 %	0.4 %	0.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0021 ppm	0.0275 ppm	0.0489 ppm	0.0292 ppm	99.3182 ppm	4.5257 ppm	0.0383 ppm
Concentration per Run 1	0.0021 ppm	0.0278 ppm	0.0489 ppm	0.0294 ppm	99.6243 ppm	4.5027 ppm	0.0390 ppm
Concentration per Run 2	0.0022 ppm	0.0273 ppm	0.0488 ppm	0.0292 ppm	98.8462 ppm	4.4858 ppm	0.0369 ppm
Concentration per Run 3	0.0020 ppm	0.0275 ppm	0.0489 ppm	0.0291 ppm	99.4841 ppm	4.5886 ppm	0.0390 ppm
Concentration RSD	3.4 %	0.9 %	0.1 %	0.5 %	0.4 %	1.2 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.0762 ppm	2.9382 ppm	0.0044 ppm	0.2744 ppm	0.0405 ppm	0.1456 ppm	0.0021 ppm
Concentration per Run 1	9.0538 ppm	2.9457 ppm	0.0046 ppm	0.2723 ppm	0.0407 ppm	0.1461 ppm	0.0017 ppm
Concentration per Run 2	9.0916 ppm	2.9234 ppm	0.0042 ppm	0.2730 ppm	0.0402 ppm	0.1457 ppm	0.0024 ppm
Concentration per Run 3	9.0832 ppm	2.9456 ppm	0.0042 ppm	0.2780 ppm	0.0408 ppm	0.1449 ppm	0.0022 ppm
Concentration RSD	0.2 %	0.4 %	5.3 %	1.1 %	0.8 %	0.4 %	15.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	1.3737 ppm	0.0075 ppm	0.0584 ppm	1.2611 ppm	0.0009 ppm	0.0374 ppm
Concentration per Run 1	0.0049 ppm	1.3762 ppm	0.0067 ppm	0.0587 ppm	1.2625 ppm	0.0003 ppm	0.0374 ppm
Concentration per Run 2	0.0012 ppm	1.3705 ppm	0.0086 ppm	0.0579 ppm	1.2645 ppm	0.0012 ppm	0.0376 ppm
Concentration per Run 3	0.0006 ppm	1.3743 ppm	0.0074 ppm	0.0587 ppm	1.2562 ppm	0.0011 ppm	0.0372 ppm
Concentration RSD	102.2 %	0.2 %	12.8 %	0.7 %	0.3 %	53.9 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3029 ppm	100.6257 %	103.4680 %	92.8869 %	**223.9867 %**	**233.4739 %**	**228.0442 %**
Concentration per Run 1	0.3010 ppm	100.6607 %	103.1439 %	92.3002 %	**223.3294 %**	**232.0241 %**	**226.9832 %**
Concentration per Run 2	0.3031 ppm	100.6598 %	104.5738 %	93.3141 %	**223.7794 %**	**235.1412 %**	**229.0195 %**
Concentration per Run 3	0.3046 ppm	100.5565 %	102.6863 %	93.0464 %	**224.8513 %**	**233.2566 %**	**228.1299 %**
Concentration RSD	0.6 %	0.1 %	1.0 %	0.6 %	**0.3 %**	**0.7 %**	**0.4 %**

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-06D2 WG2081570
Analysis started at: 6/26/2025 6:03:28 PM
Rack 2
Vial 26
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0012 ppm	41.6226 ppm	0.2739 ppm	0.0285 ppm	0.4045 ppm	0.0022 ppm	8.8392 ppm
Concentration per Run 1	-0.0014 ppm	41.5870 ppm	0.2701 ppm	0.0279 ppm	0.4043 ppm	0.0022 ppm	8.8199 ppm
Concentration per Run 2	-0.0008 ppm	41.6319 ppm	0.2764 ppm	0.0287 ppm	0.4051 ppm	0.0022 ppm	8.8569 ppm
Concentration per Run 3	-0.0015 ppm	41.6490 ppm	0.2751 ppm	0.0289 ppm	0.4042 ppm	0.0023 ppm	8.8409 ppm
Concentration RSD	29.0 %	0.1 %	1.2 %	1.8 %	0.1 %	0.9 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0068 ppm	0.0531 ppm	0.2223 ppm	0.4674 ppm	256.9919 ppm	4.0935 ppm	0.0426 ppm
Concentration per Run 1	0.0067 ppm	0.0530 ppm	0.2235 ppm	0.4691 ppm	257.5490 ppm	4.1167 ppm	0.0431 ppm
Concentration per Run 2	0.0067 ppm	0.0526 ppm	0.2207 ppm	0.4654 ppm	256.6540 ppm	4.0896 ppm	0.0423 ppm
Concentration per Run 3	0.0069 ppm	0.0536 ppm	0.2227 ppm	0.4677 ppm	256.7728 ppm	4.0741 ppm	0.0425 ppm
Concentration RSD	1.3 %	0.9 %	0.6 %	0.4 %	0.2 %	0.5 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.4293 ppm	2.8557 ppm	0.0177 ppm	0.2887 ppm	0.1909 ppm	1.1317 ppm	0.0064 ppm
Concentration per Run 1	6.4521 ppm	2.8539 ppm	0.0176 ppm	0.2909 ppm	0.1915 ppm	1.1320 ppm	0.0063 ppm
Concentration per Run 2	6.3933 ppm	2.8560 ppm	0.0182 ppm	0.2863 ppm	0.1886 ppm	1.1330 ppm	0.0060 ppm
Concentration per Run 3	6.4427 ppm	2.8571 ppm	0.0172 ppm	0.2891 ppm	0.1927 ppm	1.1301 ppm	0.0069 ppm
Concentration RSD	0.5 %	0.1 %	2.8 %	0.8 %	1.1 %	0.1 %	7.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	2.1237 ppm	0.0914 ppm	0.0890 ppm	0.9995 ppm	0.0001 ppm	0.3134 ppm
Concentration per Run 1	0.0021 ppm	2.1271 ppm	0.0910 ppm	0.0886 ppm	1.0023 ppm	0.0004 ppm	0.3133 ppm
Concentration per Run 2	-0.0010 ppm	2.1187 ppm	0.0922 ppm	0.0892 ppm	0.9951 ppm	0.0002 ppm	0.3116 ppm
Concentration per Run 3	0.0021 ppm	2.1253 ppm	0.0909 ppm	0.0891 ppm	1.0010 ppm	-0.0004 ppm	0.3152 ppm
Concentration RSD	163.9 %	0.2 %	0.8 %	0.4 %	0.4 %	757.5 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5262 ppm	100.9763 %	104.2221 %	90.9359 %	104.6687 %	108.5145 %	105.1201 %
Concentration per Run 1	1.5321 ppm	100.9784 %	104.4437 %	90.9449 %	104.9213 %	108.4335 %	105.1642 %
Concentration per Run 2	1.5167 ppm	100.4761 %	104.0639 %	91.0766 %	104.2467 %	108.5091 %	105.3541 %
Concentration per Run 3	1.5298 ppm	101.4743 %	104.1588 %	90.7862 %	104.8380 %	108.6009 %	104.8419 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.2 %	0.4 %	0.1 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2081570-3D2 WG2081570
Analysis started at: 6/26/2025 6:06:42 PM
Rack 2
Vial 27
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0438 ppm	48.6163 ppm	0.2325 ppm	0.9385 ppm	2.4070 ppm	0.0525 ppm	20.1295 ppm
Concentration per Run 1	0.0434 ppm	48.6846 ppm	0.2356 ppm	0.9400 ppm	2.4158 ppm	0.0526 ppm	20.0978 ppm
Concentration per Run 2	0.0438 ppm	48.6099 ppm	0.2303 ppm	0.9406 ppm	2.4043 ppm	0.0525 ppm	20.1528 ppm
Concentration per Run 3	0.0441 ppm	48.5544 ppm	0.2315 ppm	0.9349 ppm	2.4011 ppm	0.0522 ppm	20.1379 ppm
Concentration RSD	0.9 %	0.1 %	1.2 %	0.3 %	0.3 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0539 ppm	0.5088 ppm	0.3542 ppm	0.5412 ppm	158.3574 ppm	14.0123 ppm	0.0475 ppm
Concentration per Run 1	0.0539 ppm	0.5081 ppm	0.3553 ppm	0.5386 ppm	158.5855 ppm	14.1286 ppm	0.0479 ppm
Concentration per Run 2	0.0539 ppm	0.5104 ppm	0.3563 ppm	0.5412 ppm	158.9660 ppm	13.8990 ppm	0.0471 ppm
Concentration per Run 3	0.0540 ppm	0.5079 ppm	0.3510 ppm	0.5439 ppm	157.5208 ppm	14.0094 ppm	0.0475 ppm
Concentration RSD	0.1 %	0.3 %	0.8 %	0.5 %	0.5 %	0.8 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.0726 ppm	3.2309 ppm	0.9487 ppm	10.3308 ppm	0.6459 ppm	1.7258 ppm	0.2271 ppm
Concentration per Run 1	15.0806 ppm	3.2320 ppm	0.9498 ppm	10.3905 ppm	0.6458 ppm	1.7290 ppm	0.2295 ppm
Concentration per Run 2	15.1610 ppm	3.2266 ppm	0.9555 ppm	10.1963 ppm	0.6499 ppm	1.7275 ppm	0.2243 ppm
Concentration per Run 3	14.9762 ppm	3.2341 ppm	0.9410 ppm	10.4057 ppm	0.6421 ppm	1.7207 ppm	0.2276 ppm
Concentration RSD	0.6 %	0.1 %	0.8 %	1.1 %	0.6 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0901 ppm	5.6511 ppm	0.9644 ppm	1.0555 ppm	1.6873 ppm	0.1109 ppm	0.6077 ppm
Concentration per Run 1	0.0908 ppm	5.6747 ppm	0.9654 ppm	1.0576 ppm	1.6889 ppm	0.1116 ppm	0.6049 ppm
Concentration per Run 2	0.0897 ppm	5.6673 ppm	0.9722 ppm	1.0546 ppm	1.6939 ppm	0.1110 ppm	0.6070 ppm
Concentration per Run 3	0.0899 ppm	5.6112 ppm	0.9554 ppm	1.0542 ppm	1.6791 ppm	0.1102 ppm	0.6111 ppm
Concentration RSD	0.7 %	0.6 %	0.9 %	0.2 %	0.4 %	0.6 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7854 ppm	98.5833 %	102.9170 %	88.5515 %	104.3473 %	109.0017 %	103.6931 %
Concentration per Run 1	1.7887 ppm	98.4011 %	103.2817 %	88.6288 %	105.0568 %	109.7498 %	103.8524 %
Concentration per Run 2	1.7941 ppm	98.0649 %	102.2353 %	88.2277 %	104.4881 %	107.9996 %	103.5059 %
Concentration per Run 3	1.7736 ppm	99.2840 %	103.2341 %	88.7981 %	103.4969 %	109.2558 %	103.7209 %
Concentration RSD	0.6 %	0.6 %	0.6 %	0.3 %	0.8 %	0.8 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2081570-4D2 WG2081570
Analysis started at: 6/26/2025 6:09:55 PM
Rack 2
Vial 28
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	44.6755 ppm	0.1486 ppm	0.0261 ppm	0.4333 ppm	0.0025 ppm	9.6767 ppm
Concentration per Run 1	-0.0007 ppm	44.7973 ppm	0.1486 ppm	0.0265 ppm	0.4322 ppm	0.0025 ppm	9.7231 ppm
Concentration per Run 2	-0.0006 ppm	44.5346 ppm	0.1482 ppm	0.0260 ppm	0.4332 ppm	0.0025 ppm	9.6099 ppm
Concentration per Run 3	-0.0008 ppm	44.6945 ppm	0.1492 ppm	0.0258 ppm	0.4345 ppm	0.0025 ppm	9.6973 ppm
Concentration RSD	17.3 %	0.3 %	0.3 %	1.5 %	0.3 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0062 ppm	0.0407 ppm	0.1998 ppm	0.3423 ppm	196.5589 ppm	4.5995 ppm	0.0427 ppm
Concentration per Run 1	0.0063 ppm	0.0405 ppm	0.1995 ppm	0.3442 ppm	197.3283 ppm	4.6150 ppm	0.0431 ppm
Concentration per Run 2	0.0060 ppm	0.0410 ppm	0.2003 ppm	0.3422 ppm	194.5665 ppm	4.5976 ppm	0.0422 ppm
Concentration per Run 3	0.0062 ppm	0.0405 ppm	0.1997 ppm	0.3404 ppm	197.7821 ppm	4.5859 ppm	0.0430 ppm
Concentration RSD	2.2 %	0.8 %	0.2 %	0.5 %	0.9 %	0.3 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.1609 ppm	2.9191 ppm	0.0327 ppm	0.3075 ppm	0.1384 ppm	1.0232 ppm	0.0022 ppm
Concentration per Run 1	5.1664 ppm	2.9297 ppm	0.0329 ppm	0.3089 ppm	0.1396 ppm	1.0265 ppm	-0.0006 ppm
Concentration per Run 2	5.1749 ppm	2.8984 ppm	0.0331 ppm	0.3068 ppm	0.1383 ppm	1.0210 ppm	0.0029 ppm
Concentration per Run 3	5.1412 ppm	2.9292 ppm	0.0322 ppm	0.3067 ppm	0.1372 ppm	1.0221 ppm	0.0042 ppm
Concentration RSD	0.3 %	0.6 %	1.5 %	0.4 %	0.8 %	0.3 %	116.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	2.8465 ppm	0.0784 ppm	0.1022 ppm	0.9436 ppm	-0.0009 ppm	0.1882 ppm
Concentration per Run 1	0.0022 ppm	2.8572 ppm	0.0797 ppm	0.1024 ppm	0.9439 ppm	-0.0015 ppm	0.1890 ppm
Concentration per Run 2	0.0024 ppm	2.8458 ppm	0.0782 ppm	0.1018 ppm	0.9449 ppm	-0.0005 ppm	0.1881 ppm
Concentration per Run 3	0.0011 ppm	2.8364 ppm	0.0773 ppm	0.1023 ppm	0.9422 ppm	-0.0005 ppm	0.1876 ppm
Concentration RSD	38.0 %	0.4 %	1.6 %	0.3 %	0.1 %	68.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2649 ppm	100.0465 %	103.7876 %	90.5689 %	106.5178 %	109.9138 %	106.2343 %
Concentration per Run 1	1.2706 ppm	99.2287 %	103.3141 %	90.6090 %	105.2783 %	110.0219 %	106.6130 %
Concentration per Run 2	1.2677 ppm	100.2538 %	105.2104 %	90.2262 %	106.9355 %	111.0427 %	105.9058 %
Concentration per Run 3	1.2565 ppm	100.6570 %	102.8381 %	90.8714 %	107.3397 %	108.6767 %	106.1842 %
Concentration RSD	0.6 %	0.7 %	1.2 %	0.4 %	1.0 %	1.1 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2081570-5D2 WG2081570
Analysis started at: 6/26/2025 6:13:08 PM
Rack 2
Vial 29
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0427 ppm	43.4560 ppm	0.3890 ppm	0.9024 ppm	2.3789 ppm	0.0515 ppm	17.4697 ppm
Concentration per Run 1	0.0426 ppm	43.4768 ppm	0.3887 ppm	0.9041 ppm	2.3819 ppm	0.0514 ppm	17.4567 ppm
Concentration per Run 2	0.0427 ppm	43.5125 ppm	0.3918 ppm	0.8961 ppm	2.3764 ppm	0.0515 ppm	17.4827 ppm
Concentration per Run 3	0.0427 ppm	43.3786 ppm	0.3866 ppm	0.9072 ppm	2.3782 ppm	0.0515 ppm	17.4698 ppm
Concentration RSD	0.1 %	0.2 %	0.7 %	0.6 %	0.1 %	0.1 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0493 ppm	0.5138 ppm	0.4189 ppm	0.6839 ppm	254.3546 ppm	13.6683 ppm	0.0428 ppm
Concentration per Run 1	0.0494 ppm	0.5141 ppm	0.4198 ppm	0.6825 ppm	253.8202 ppm	13.6641 ppm	0.0427 ppm
Concentration per Run 2	0.0489 ppm	0.5124 ppm	0.4172 ppm	0.6857 ppm	254.6399 ppm	13.6986 ppm	0.0433 ppm
Concentration per Run 3	0.0495 ppm	0.5150 ppm	0.4197 ppm	0.6834 ppm	254.6036 ppm	13.6422 ppm	0.0423 ppm
Concentration RSD	0.7 %	0.3 %	0.3 %	0.2 %	0.2 %	0.2 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.3679 ppm	3.2754 ppm	0.9348 ppm	9.9558 ppm	0.6835 ppm	1.6252 ppm	0.3743 ppm
Concentration per Run 1	15.3647 ppm	3.2687 ppm	0.9335 ppm	10.0046 ppm	0.6872 ppm	1.6303 ppm	0.3703 ppm
Concentration per Run 2	15.3238 ppm	3.2754 ppm	0.9356 ppm	9.9663 ppm	0.6772 ppm	1.6252 ppm	0.3743 ppm
Concentration per Run 3	15.4153 ppm	3.2819 ppm	0.9351 ppm	9.8964 ppm	0.6862 ppm	1.6200 ppm	0.3783 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	0.6 %	0.8 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1095 ppm	3.5035 ppm	0.9973 ppm	0.9875 ppm	1.9552 ppm	0.1087 ppm	0.7652 ppm
Concentration per Run 1	0.1081 ppm	3.5055 ppm	0.9988 ppm	0.9874 ppm	1.9530 ppm	0.1089 ppm	0.7661 ppm
Concentration per Run 2	0.1096 ppm	3.5068 ppm	0.9958 ppm	0.9865 ppm	1.9501 ppm	0.1097 ppm	0.7629 ppm
Concentration per Run 3	0.1107 ppm	3.4981 ppm	0.9972 ppm	0.9887 ppm	1.9625 ppm	0.1075 ppm	0.7667 ppm
Concentration RSD	1.2 %	0.1 %	0.2 %	0.1 %	0.3 %	1.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.0056 ppm	99.7196 %	104.2004 %	88.7423 %	103.6058 %	108.2074 %	103.0097 %
Concentration per Run 1	2.0235 ppm	100.0298 %	104.5507 %	88.7918 %	103.5703 %	108.9419 %	103.0547 %
Concentration per Run 2	1.9757 ppm	99.3168 %	104.1792 %	89.0285 %	103.4112 %	108.2280 %	103.2765 %
Concentration per Run 3	2.0176 ppm	99.8121 %	103.8713 %	88.4067 %	103.8359 %	107.4521 %	102.6978 %
Concentration RSD	1.3 %	0.4 %	0.3 %	0.4 %	0.2 %	0.7 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2081570-6D10 WG2081570
Analysis started at: 6/26/2025 6:16:21 PM
Rack 2
Vial 30
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	8.5747 ppm	0.0521 ppm	0.0061 ppm	0.0840 ppm	0.0005 ppm	1.8108 ppm
Concentration per Run 1	-0.0002 ppm	8.6121 ppm	0.0529 ppm	0.0050 ppm	0.0842 ppm	0.0005 ppm	1.8094 ppm
Concentration per Run 2	0.0000 ppm	8.5568 ppm	0.0533 ppm	0.0069 ppm	0.0839 ppm	0.0005 ppm	1.8063 ppm
Concentration per Run 3	-0.0003 ppm	8.5553 ppm	0.0502 ppm	0.0065 ppm	0.0837 ppm	0.0005 ppm	1.8168 ppm
Concentration RSD	68.9 %	0.4 %	3.2 %	16.0 %	0.3 %	5.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0015 ppm	0.0112 ppm	0.0461 ppm	0.0992 ppm	57.8433 ppm	0.8347 ppm	0.0090 ppm
Concentration per Run 1	0.0015 ppm	0.0111 ppm	0.0463 ppm	0.0994 ppm	57.7122 ppm	0.8411 ppm	0.0092 ppm
Concentration per Run 2	0.0015 ppm	0.0117 ppm	0.0458 ppm	0.0988 ppm	57.9240 ppm	0.8251 ppm	0.0088 ppm
Concentration per Run 3	0.0014 ppm	0.0109 ppm	0.0461 ppm	0.0993 ppm	57.8937 ppm	0.8377 ppm	0.0092 ppm
Concentration RSD	2.4 %	3.5 %	0.5 %	0.4 %	0.2 %	1.0 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.3780 ppm	0.6026 ppm	0.0072 ppm	0.0570 ppm	0.0419 ppm	0.2289 ppm	0.0096 ppm
Concentration per Run 1	1.3851 ppm	0.6049 ppm	0.0079 ppm	0.0576 ppm	0.0420 ppm	0.2303 ppm	0.0084 ppm
Concentration per Run 2	1.3795 ppm	0.5998 ppm	0.0073 ppm	0.0545 ppm	0.0422 ppm	0.2281 ppm	0.0100 ppm
Concentration per Run 3	1.3696 ppm	0.6030 ppm	0.0063 ppm	0.0590 ppm	0.0414 ppm	0.2282 ppm	0.0103 ppm
Concentration RSD	0.6 %	0.4 %	11.2 %	4.0 %	1.0 %	0.5 %	10.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	0.4463 ppm	0.0198 ppm	0.0182 ppm	0.2061 ppm	-0.0001 ppm	0.0663 ppm
Concentration per Run 1	0.0007 ppm	0.4465 ppm	0.0196 ppm	0.0183 ppm	0.2067 ppm	0.0003 ppm	0.0669 ppm
Concentration per Run 2	-0.0001 ppm	0.4467 ppm	0.0202 ppm	0.0181 ppm	0.2064 ppm	-0.0002 ppm	0.0661 ppm
Concentration per Run 3	0.0000 ppm	0.4457 ppm	0.0196 ppm	0.0182 ppm	0.2050 ppm	-0.0004 ppm	0.0658 ppm
Concentration RSD	228.8 %	0.1 %	1.7 %	0.4 %	0.4 %	407.4 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3223 ppm	101.1585 %	103.5913 %	97.1551 %	101.0895 %	102.9348 %	101.2742 %
Concentration per Run 1	0.3238 ppm	100.9253 %	103.5480 %	96.5073 %	100.4108 %	103.4224 %	100.3683 %
Concentration per Run 2	0.3222 ppm	101.4517 %	103.6743 %	97.0493 %	101.6999 %	102.7657 %	101.4754 %
Concentration per Run 3	0.3210 ppm	101.0984 %	103.5514 %	97.9086 %	101.1578 %	102.6163 %	101.9787 %
Concentration RSD	0.4 %	0.3 %	0.1 %	0.7 %	0.6 %	0.4 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 6:19:35 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4680 ppm	0.4640 ppm	0.4748 ppm	0.4873 ppm	0.4918 ppm	0.4951 ppm	0.4752 ppm
Concentration per Run 1	0.4678 ppm	0.4654 ppm	0.4765 ppm	0.4830 ppm	0.4916 ppm	0.4943 ppm	0.4747 ppm
Concentration per Run 2	0.4648 ppm	0.4642 ppm	0.4758 ppm	0.4925 ppm	0.4932 ppm	0.4956 ppm	0.4788 ppm
Concentration per Run 3	0.4712 ppm	0.4624 ppm	0.4720 ppm	0.4866 ppm	0.4905 ppm	0.4953 ppm	0.4721 ppm
Recovery Percentage 1	93.592 %	92.803 %	94.960 %	97.470 %	98.355 %	99.014 %	95.040 %
Concentration RSD	0.7 %	0.3 %	0.5 %	1.0 %	0.3 %	0.1 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4681 ppm	0.4874 ppm	0.5146 ppm	0.4692 ppm	0.4987 ppm	4.9664 ppm	0.5010 ppm
Concentration per Run 1	0.4684 ppm	0.4873 ppm	0.5117 ppm	0.4698 ppm	0.4993 ppm	4.9749 ppm	0.5002 ppm
Concentration per Run 2	0.4688 ppm	0.4872 ppm	0.5200 ppm	0.4672 ppm	0.4946 ppm	4.9760 ppm	0.5038 ppm
Concentration per Run 3	0.4670 ppm	0.4876 ppm	0.5120 ppm	0.4706 ppm	0.5021 ppm	4.9482 ppm	0.4991 ppm
Recovery Percentage 1	93.611 %	97.475 %	102.914 %	93.842 %	99.733 %	99.327 %	100.203 %
Concentration RSD	0.2 %	0.0 %	0.9 %	0.4 %	0.8 %	0.3 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5004 ppm	0.4845 ppm	0.5006 ppm	9.7939 ppm	0.5237 ppm	0.5045 ppm	0.4657 ppm
Concentration per Run 1	0.4976 ppm	0.4857 ppm	0.4985 ppm	9.8560 ppm	0.5205 ppm	0.5027 ppm	0.4691 ppm
Concentration per Run 2	0.5048 ppm	0.4842 ppm	0.5052 ppm	9.8420 ppm	0.5288 ppm	0.5058 ppm	0.4598 ppm
Concentration per Run 3	0.4987 ppm	0.4835 ppm	0.4982 ppm	9.6838 ppm	0.5219 ppm	0.5049 ppm	0.4683 ppm
Recovery Percentage 1	100.078 %	96.895 %	100.128 %	97.939 %	104.747 %	100.895 %	93.147 %
Concentration RSD	0.8 %	0.2 %	0.8 %	1.0 %	0.9 %	0.3 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4791 ppm	4.9954 ppm	0.5138 ppm	0.4953 ppm	0.5108 ppm	0.5002 ppm	0.4712 ppm
Concentration per Run 1	0.4824 ppm	4.9808 ppm	0.5101 ppm	0.4969 ppm	0.5090 ppm	0.5013 ppm	0.4723 ppm
Concentration per Run 2	0.4750 ppm	5.0116 ppm	0.5203 ppm	0.4958 ppm	0.5155 ppm	0.5014 ppm	0.4689 ppm
Concentration per Run 3	0.4799 ppm	4.9939 ppm	0.5110 ppm	0.4931 ppm	0.5080 ppm	0.4981 ppm	0.4724 ppm
Recovery Percentage 1	95.824 %	95.151 %	102.763 %	99.056 %	102.157 %	100.047 %	94.240 %
Concentration RSD	0.8 %	0.3 %	1.1 %	0.4 %	0.8 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5178 ppm	99.6587 %	102.2294 %	95.7778 %	98.5934 %	100.7951 %	98.1758 %
Concentration per Run 1	0.5151 ppm	99.7467 %	102.6141 %	96.6947 %	98.2698 %	101.5978 %	99.1309 %
Concentration per Run 2	0.5247 ppm	99.0696 %	101.9577 %	95.4847 %	99.2469 %	100.4909 %	97.8716 %
Concentration per Run 3	0.5137 ppm	100.1596 %	102.1163 %	95.1540 %	98.2634 %	100.2966 %	97.5248 %
Recovery Percentage 1	103.563 %						
Concentration RSD	1.2 %	0.6 %	0.3 %	0.8 %	0.6 %	0.7 %	0.9 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 6:22:48 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0072 ppm	-0.0010 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 1	0.0002 ppm	-0.0095 ppm	-0.0014 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 2	-0.0002 ppm	-0.0101 ppm	-0.0014 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0001 ppm	-0.0020 ppm	-0.0001 ppm	-0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Recovery Percentage 1	0.671 %	-7.219 %	-19.409 %	-2.591 %	0.009 %	-0.403 %	0.717 %
Concentration RSD	406.6 %	62.2 %	79.0 %	87.6 %	3,584.3 %	101.1 %	65.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0026 ppm	-0.0107 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0020 ppm	-0.0138 ppm	0.0008 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0022 ppm	-0.0063 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0037 ppm	-0.0121 ppm	0.0004 ppm
Recovery Percentage 1	1.475 %	0.150 %	-2.134 %	-2.059 %	5.214 %	-0.429 %	9.730 %
Concentration RSD	132.7 %	268.9 %	87.5 %	96.2 %	35.8 %	36.8 %	60.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0013 ppm	0.0006 ppm	0.0026 ppm	-0.0073 ppm	0.0002 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 1	0.0028 ppm	0.0006 ppm	0.0025 ppm	-0.0076 ppm	0.0009 ppm	-0.0005 ppm	0.0037 ppm
Concentration per Run 2	-0.0001 ppm	0.0006 ppm	0.0026 ppm	-0.0074 ppm	-0.0002 ppm	0.0008 ppm	0.0017 ppm
Concentration per Run 3	0.0011 ppm	0.0007 ppm	0.0027 ppm	-0.0069 ppm	-0.0001 ppm	0.0002 ppm	0.0013 ppm
Recovery Percentage 1	1.286 %	6.077 %	5.205 %	-0.364 %	0.703 %	1.476 %	4.453 %
Concentration RSD	109.6 %	7.4 %	2.6 %	4.7 %	356.2 %	446.1 %	58.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	0.0009 ppm	0.0003 ppm	-0.0011 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	0.0016 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 3	-0.0018 ppm	-0.0008 ppm	0.0005 ppm	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	-0.382 %	0.069 %	0.354 %	-0.467 %	2.567 %	0.003 %	-0.601 %
Concentration RSD	4,076.2 %	338.3 %	630.8 %	50.8 %	41.9 %	54,057.3 %	154.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	99.3623 %	101.5726 %	97.0368 %	100.1882 %	101.5471 %	100.2185 %
Concentration per Run 1	0.0003 ppm	98.8154 %	101.1661 %	97.5506 %	99.3917 %	101.2291 %	100.5797 %
Concentration per Run 2	0.0001 ppm	99.4248 %	101.4906 %	96.8079 %	100.6968 %	101.8909 %	100.0621 %
Concentration per Run 3	0.0000 ppm	99.8467 %	102.0611 %	96.7519 %	100.4760 %	101.5213 %	100.0136 %
Recovery Percentage 1	2.341 %						
Concentration RSD	108.5 %	0.5 %	0.4 %	0.5 %	0.7 %	0.3 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-15D2 WG2081570
Analysis started at: 6/26/2025 6:38:53 PM
Rack 2
Vial 34
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	96.7135 ppm	0.0377 ppm	0.0027 ppm	0.7270 ppm	0.0063 ppm	10.7998 ppm
Concentration per Run 1	-0.0003 ppm	97.2732 ppm	0.0380 ppm	0.0029 ppm	0.7296 ppm	0.0063 ppm	10.8938 ppm
Concentration per Run 2	0.0000 ppm	96.5767 ppm	0.0381 ppm	0.0028 ppm	0.7241 ppm	0.0063 ppm	10.7790 ppm
Concentration per Run 3	0.0000 ppm	96.2905 ppm	0.0369 ppm	0.0024 ppm	0.7273 ppm	0.0063 ppm	10.7266 ppm
Concentration RSD	119.6 %	0.5 %	1.9 %	9.7 %	0.4 %	0.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0022 ppm	0.0407 ppm	0.0594 ppm	0.0378 ppm	122.9511 ppm	5.6752 ppm	0.0481 ppm
Concentration per Run 1	0.0022 ppm	0.0410 ppm	0.0590 ppm	0.0378 ppm	123.5485 ppm	5.6899 ppm	0.0486 ppm
Concentration per Run 2	0.0023 ppm	0.0403 ppm	0.0596 ppm	0.0379 ppm	122.7948 ppm	5.6594 ppm	0.0480 ppm
Concentration per Run 3	0.0022 ppm	0.0409 ppm	0.0596 ppm	0.0377 ppm	122.5101 ppm	5.6763 ppm	0.0477 ppm
Concentration RSD	2.9 %	0.9 %	0.6 %	0.2 %	0.4 %	0.3 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.5893 ppm	4.2593 ppm	0.0044 ppm	0.3247 ppm	0.0507 ppm	0.1364 ppm	0.0003 ppm
Concentration per Run 1	11.6283 ppm	4.2772 ppm	0.0042 ppm	0.3291 ppm	0.0509 ppm	0.1348 ppm	0.0008 ppm
Concentration per Run 2	11.5741 ppm	4.2512 ppm	0.0049 ppm	0.3228 ppm	0.0516 ppm	0.1379 ppm	0.0006 ppm
Concentration per Run 3	11.5655 ppm	4.2496 ppm	0.0042 ppm	0.3221 ppm	0.0495 ppm	0.1364 ppm	-0.0006 ppm
Concentration RSD	0.3 %	0.4 %	9.1 %	1.2 %	2.1 %	1.1 %	263.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0005 ppm	1.2627 ppm	0.0095 ppm	0.0695 ppm	1.6008 ppm	-0.0002 ppm	0.0497 ppm
Concentration per Run 1	-0.0018 ppm	1.2620 ppm	0.0101 ppm	0.0697 ppm	1.6012 ppm	-0.0001 ppm	0.0497 ppm
Concentration per Run 2	-0.0006 ppm	1.2680 ppm	0.0095 ppm	0.0693 ppm	1.6044 ppm	-0.0013 ppm	0.0497 ppm
Concentration per Run 3	0.0008 ppm	1.2581 ppm	0.0089 ppm	0.0694 ppm	1.5967 ppm	0.0009 ppm	0.0498 ppm
Concentration RSD	246.2 %	0.4 %	6.1 %	0.3 %	0.2 %	598.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3125 ppm	101.6895 %	105.1019 %	92.4464 %	**210.2278 %**	**220.5831 %**	**214.1002 %**
Concentration per Run 1	0.3125 ppm	101.5206 %	105.0976 %	92.4965 %	**211.2983 %**	**222.8876 %**	**214.6024 %**
Concentration per Run 2	0.3124 ppm	101.9265 %	104.8254 %	92.2830 %	**209.9703 %**	**219.3033 %**	**214.0639 %**
Concentration per Run 3	0.3127 ppm	101.6213 %	105.3827 %	92.5597 %	**209.4149 %**	**219.5584 %**	**213.6342 %**
Concentration RSD	0.0 %	0.2 %	0.3 %	0.2 %	**0.5 %**	**0.9 %**	**0.2 %**

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-16D2 WG2081570
Analysis started at: 6/26/2025 6:42:12 PM
Rack 2
Vial 35
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	84.9525 ppm	0.0375 ppm	0.0016 ppm	0.6468 ppm	0.0063 ppm	8.1093 ppm
Concentration per Run 1	0.0001 ppm	85.2504 ppm	0.0392 ppm	0.0023 ppm	0.6496 ppm	0.0064 ppm	8.1514 ppm
Concentration per Run 2	0.0000 ppm	84.9093 ppm	0.0360 ppm	0.0003 ppm	0.6458 ppm	0.0063 ppm	8.1165 ppm
Concentration per Run 3	0.0000 ppm	84.6979 ppm	0.0372 ppm	0.0022 ppm	0.6449 ppm	0.0063 ppm	8.0601 ppm
Concentration RSD	85.6 %	0.3 %	4.3 %	68.7 %	0.4 %	0.7 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0325 ppm	0.0546 ppm	0.0295 ppm	107.3248 ppm	5.1038 ppm	0.0469 ppm
Concentration per Run 1	0.0025 ppm	0.0321 ppm	0.0548 ppm	0.0294 ppm	107.6978 ppm	5.1540 ppm	0.0467 ppm
Concentration per Run 2	0.0025 ppm	0.0328 ppm	0.0545 ppm	0.0296 ppm	107.3082 ppm	5.0966 ppm	0.0473 ppm
Concentration per Run 3	0.0024 ppm	0.0325 ppm	0.0546 ppm	0.0295 ppm	106.9686 ppm	5.0609 ppm	0.0467 ppm
Concentration RSD	1.9 %	1.1 %	0.3 %	0.3 %	0.3 %	0.9 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.9877 ppm	3.6327 ppm	0.0041 ppm	0.3026 ppm	0.0465 ppm	0.1572 ppm	0.0014 ppm
Concentration per Run 1	9.9757 ppm	3.6461 ppm	0.0039 ppm	0.3050 ppm	0.0467 ppm	0.1587 ppm	0.0008 ppm
Concentration per Run 2	9.9776 ppm	3.6326 ppm	0.0042 ppm	0.3023 ppm	0.0463 ppm	0.1557 ppm	0.0018 ppm
Concentration per Run 3	10.0099 ppm	3.6194 ppm	0.0042 ppm	0.3004 ppm	0.0466 ppm	0.1572 ppm	0.0016 ppm
Concentration RSD	0.2 %	0.4 %	5.2 %	0.8 %	0.5 %	0.9 %	39.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0010 ppm	1.1744 ppm	0.0082 ppm	0.0518 ppm	1.2572 ppm	0.0010 ppm	0.0424 ppm
Concentration per Run 1	-0.0020 ppm	1.1755 ppm	0.0081 ppm	0.0522 ppm	1.2591 ppm	0.0001 ppm	0.0425 ppm
Concentration per Run 2	0.0013 ppm	1.1729 ppm	0.0085 ppm	0.0514 ppm	1.2557 ppm	0.0012 ppm	0.0423 ppm
Concentration per Run 3	-0.0023 ppm	1.1748 ppm	0.0080 ppm	0.0518 ppm	1.2569 ppm	0.0018 ppm	0.0424 ppm
Concentration RSD	198.1 %	0.1 %	3.4 %	0.7 %	0.1 %	85.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3143 ppm	101.4555 %	104.5954 %	92.4724 %	**221.9872 %**	**232.6743 %**	**224.5355 %**
Concentration per Run 1	0.3163 ppm	101.2402 %	103.5578 %	92.2367 %	**221.0015 %**	**230.7626 %**	**224.4443 %**
Concentration per Run 2	0.3120 ppm	102.0386 %	104.5024 %	92.1835 %	**223.3699 %**	**232.5087 %**	**223.8024 %**
Concentration per Run 3	0.3147 ppm	101.0878 %	105.7260 %	92.9969 %	**221.5902 %**	**234.7517 %**	**225.3598 %**
Concentration RSD	0.7 %	0.5 %	1.0 %	0.5 %	**0.6 %**	**0.9 %**	**0.3 %**

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-20D2 WG2081570
Analysis started at: 6/26/2025 6:45:27 PM
Rack 2
Vial 36
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	115.9503 ppm	0.0481 ppm	0.0024 ppm	0.7958 ppm	0.0088 ppm	11.1350 ppm
Concentration per Run 1	-0.0002 ppm	116.1097 ppm	0.0460 ppm	0.0028 ppm	0.7946 ppm	0.0088 ppm	11.1735 ppm
Concentration per Run 2	-0.0002 ppm	115.7314 ppm	0.0492 ppm	0.0036 ppm	0.7947 ppm	0.0087 ppm	11.1451 ppm
Concentration per Run 3	-0.0002 ppm	116.0097 ppm	0.0490 ppm	0.0008 ppm	0.7982 ppm	0.0088 ppm	11.0864 ppm
Concentration RSD	3.7 %	0.2 %	3.7 %	59.7 %	0.3 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0025 ppm	0.0543 ppm	0.0838 ppm	0.0437 ppm	151.5076 ppm	5.9985 ppm	0.0506 ppm
Concentration per Run 1	0.0025 ppm	0.0550 ppm	0.0837 ppm	0.0439 ppm	152.1880 ppm	5.9923 ppm	0.0504 ppm
Concentration per Run 2	0.0026 ppm	0.0539 ppm	0.0837 ppm	0.0436 ppm	151.6729 ppm	5.9758 ppm	0.0506 ppm
Concentration per Run 3	0.0025 ppm	0.0541 ppm	0.0839 ppm	0.0436 ppm	150.6618 ppm	6.0274 ppm	0.0507 ppm
Concentration RSD	2.8 %	1.1 %	0.2 %	0.4 %	0.5 %	0.4 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.6713 ppm	5.2274 ppm	0.0048 ppm	0.4072 ppm	0.0626 ppm	0.1727 ppm	0.0005 ppm
Concentration per Run 1	12.6471 ppm	5.2485 ppm	0.0048 ppm	0.4062 ppm	0.0622 ppm	0.1731 ppm	0.0012 ppm
Concentration per Run 2	12.6438 ppm	5.2281 ppm	0.0050 ppm	0.4033 ppm	0.0629 ppm	0.1722 ppm	-0.0003 ppm
Concentration per Run 3	12.7228 ppm	5.2055 ppm	0.0046 ppm	0.4120 ppm	0.0628 ppm	0.1728 ppm	0.0005 ppm
Concentration RSD	0.4 %	0.4 %	3.6 %	1.1 %	0.6 %	0.3 %	151.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	2.3259 ppm	0.0113 ppm	0.0680 ppm	1.7495 ppm	-0.0001 ppm	0.0583 ppm
Concentration per Run 1	-0.0011 ppm	2.3296 ppm	0.0114 ppm	0.0681 ppm	1.7434 ppm	-0.0001 ppm	0.0583 ppm
Concentration per Run 2	0.0019 ppm	2.3225 ppm	0.0108 ppm	0.0681 ppm	1.7546 ppm	0.0004 ppm	0.0583 ppm
Concentration per Run 3	-0.0006 ppm	2.3257 ppm	0.0117 ppm	0.0678 ppm	1.7504 ppm	-0.0006 ppm	0.0582 ppm
Concentration RSD	1,856.4 %	0.2 %	4.0 %	0.2 %	0.3 %	793.6 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3648 ppm	102.3709 %	107.0792 %	92.4016 %	**244.3817 %**	**257.0573 %**	**248.7618 %**
Concentration per Run 1	0.3631 ppm	102.4142 %	106.7659 %	91.8679 %	**244.2012 %**	**257.0093 %**	**248.1186 %**
Concentration per Run 2	0.3642 ppm	102.7992 %	107.3376 %	93.2308 %	**245.8281 %**	**258.0230 %**	**250.2172 %**
Concentration per Run 3	0.3670 ppm	101.8993 %	107.1342 %	92.1061 %	**243.1160 %**	**256.1397 %**	**247.9496 %**
Concentration RSD	0.6 %	0.4 %	0.3 %	0.8 %	**0.6 %**	**0.4 %**	**0.5 %**

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-21D2 WG2081570
Analysis started at: 6/26/2025 6:48:41 PM
Rack 2
Vial 37
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	137.8485 ppm	0.0339 ppm	0.0078 ppm	1.0343 ppm	0.0107 ppm	23.1363 ppm
Concentration per Run 1	0.0003 ppm	137.0791 ppm	0.0336 ppm	0.0089 ppm	1.0368 ppm	0.0108 ppm	23.1792 ppm
Concentration per Run 2	0.0003 ppm	139.0851 ppm	0.0361 ppm	0.0057 ppm	1.0360 ppm	0.0108 ppm	23.1038 ppm
Concentration per Run 3	0.0006 ppm	137.3813 ppm	0.0319 ppm	0.0088 ppm	1.0299 ppm	0.0106 ppm	23.1258 ppm
Concentration RSD	46.7 %	0.8 %	6.4 %	23.8 %	0.4 %	1.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0035 ppm	0.1005 ppm	0.2646 ppm	0.2020 ppm	232.1490 ppm	16.7985 ppm	0.2681 ppm
Concentration per Run 1	0.0035 ppm	0.1006 ppm	0.2664 ppm	0.2016 ppm	231.9006 ppm	16.8158 ppm	0.2701 ppm
Concentration per Run 2	0.0033 ppm	0.1000 ppm	0.2662 ppm	0.2012 ppm	233.4338 ppm	16.8428 ppm	0.2676 ppm
Concentration per Run 3	0.0035 ppm	0.1010 ppm	0.2614 ppm	0.2033 ppm	231.1126 ppm	16.7368 ppm	0.2667 ppm
Concentration RSD	3.8 %	0.5 %	1.1 %	0.5 %	0.5 %	0.3 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	44.3055 ppm	1.5419 ppm	0.0060 ppm	0.9870 ppm	0.2071 ppm	0.1492 ppm	-0.0057 ppm
Concentration per Run 1	44.3385 ppm	1.5433 ppm	0.0061 ppm	0.9793 ppm	0.2094 ppm	0.1484 ppm	-0.0020 ppm
Concentration per Run 2	44.4547 ppm	1.5392 ppm	0.0061 ppm	0.9986 ppm	0.2079 ppm	0.1491 ppm	-0.0076 ppm
Concentration per Run 3	44.1233 ppm	1.5433 ppm	0.0057 ppm	0.9832 ppm	0.2041 ppm	0.1502 ppm	-0.0075 ppm
Concentration RSD	0.4 %	0.2 %	3.4 %	1.0 %	1.3 %	0.6 %	56.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	1.7700 ppm	0.0109 ppm	0.2146 ppm	2.9782 ppm	0.0033 ppm	0.3463 ppm
Concentration per Run 1	-0.0021 ppm	1.7746 ppm	0.0114 ppm	0.2142 ppm	2.9868 ppm	0.0029 ppm	0.3475 ppm
Concentration per Run 2	0.0003 ppm	1.7605 ppm	0.0107 ppm	0.2150 ppm	2.9922 ppm	0.0040 ppm	0.3441 ppm
Concentration per Run 3	0.0013 ppm	1.7748 ppm	0.0106 ppm	0.2145 ppm	2.9556 ppm	0.0028 ppm	0.3471 ppm
Concentration RSD	1,224.5 %	0.5 %	4.3 %	0.2 %	0.7 %	20.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5160 ppm	105.6769 %	108.2005 %	91.4391 %	116.7596 %	128.9986 %	124.3242 %
Concentration per Run 1	0.5192 ppm	105.9834 %	107.3882 %	90.5687 %	116.7896 %	127.1472 %	123.0281 %
Concentration per Run 2	0.5192 ppm	105.8286 %	108.5807 %	92.2927 %	118.1935 %	130.4601 %	125.3680 %
Concentration per Run 3	0.5095 ppm	105.2188 %	108.6325 %	91.4559 %	115.2958 %	129.3884 %	124.5766 %
Concentration RSD	1.1 %	0.4 %	0.7 %	0.9 %	1.2 %	1.3 %	1.0 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2534074-24D2 WG2081570
Analysis started at: 6/26/2025 6:51:55 PM
Rack 2
Vial 38
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	155.7717 ppm	0.0409 ppm	0.0010 ppm	0.9378 ppm	0.0077 ppm	9.6038 ppm
Concentration per Run 1	-0.0008 ppm	156.0411 ppm	0.0416 ppm	0.0018 ppm	0.9364 ppm	0.0077 ppm	9.5783 ppm
Concentration per Run 2	-0.0005 ppm	155.1536 ppm	0.0412 ppm	-0.0005 ppm	0.9359 ppm	0.0076 ppm	9.5580 ppm
Concentration per Run 3	-0.0006 ppm	156.1205 ppm	0.0399 ppm	0.0016 ppm	0.9412 ppm	0.0078 ppm	9.6751 ppm
Concentration RSD	19.4 %	0.3 %	2.1 %	128.3 %	0.3 %	1.0 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.0458 ppm	0.0910 ppm	0.0455 ppm	182.0785 ppm	8.1787 ppm	0.0648 ppm
Concentration per Run 1	0.0018 ppm	0.0461 ppm	0.0914 ppm	0.0456 ppm	181.7217 ppm	8.1848 ppm	0.0652 ppm
Concentration per Run 2	0.0020 ppm	0.0459 ppm	0.0906 ppm	0.0455 ppm	180.5987 ppm	8.1412 ppm	0.0641 ppm
Concentration per Run 3	0.0020 ppm	0.0455 ppm	0.0911 ppm	0.0454 ppm	183.9151 ppm	8.2101 ppm	0.0650 ppm
Concentration RSD	5.9 %	0.6 %	0.4 %	0.2 %	0.9 %	0.4 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.0935 ppm	2.8425 ppm	0.0054 ppm	0.4288 ppm	0.0705 ppm	0.1057 ppm	-0.0007 ppm
Concentration per Run 1	17.2101 ppm	2.8420 ppm	0.0055 ppm	0.4309 ppm	0.0711 ppm	0.1070 ppm	-0.0017 ppm
Concentration per Run 2	17.0228 ppm	2.8304 ppm	0.0054 ppm	0.4251 ppm	0.0700 ppm	0.1055 ppm	-0.0007 ppm
Concentration per Run 3	17.0476 ppm	2.8550 ppm	0.0053 ppm	0.4305 ppm	0.0703 ppm	0.1045 ppm	0.0002 ppm
Concentration RSD	0.6 %	0.4 %	1.9 %	0.7 %	0.8 %	1.2 %	130.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0013 ppm	2.1170 ppm	0.0464 ppm	0.0734 ppm	2.7218 ppm	0.0003 ppm	0.0787 ppm
Concentration per Run 1	-0.0029 ppm	2.1220 ppm	0.0463 ppm	0.0735 ppm	2.7389 ppm	0.0008 ppm	0.0787 ppm
Concentration per Run 2	-0.0023 ppm	2.1148 ppm	0.0459 ppm	0.0730 ppm	2.7061 ppm	0.0005 ppm	0.0789 ppm
Concentration per Run 3	0.0014 ppm	2.1142 ppm	0.0469 ppm	0.0737 ppm	2.7205 ppm	-0.0004 ppm	0.0785 ppm
Concentration RSD	179.2 %	0.2 %	1.1 %	0.5 %	0.6 %	202.9 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3151 ppm	104.3604 %	108.6797 %	92.9479 %	**203.6008 %**	**215.7366 %**	**207.5667 %**
Concentration per Run 1	0.3184 ppm	103.1568 %	108.8419 %	92.6656 %	**202.6702 %**	**215.8901 %**	**207.5645 %**
Concentration per Run 2	0.3122 ppm	105.0992 %	109.0893 %	92.8661 %	**204.0513 %**	**215.6068 %**	**206.8975 %**
Concentration per Run 3	0.3149 ppm	104.8252 %	108.1080 %	93.3119 %	**204.0808 %**	**215.7128 %**	**208.2381 %**
Concentration RSD	1.0 %	1.0 %	0.5 %	0.4 %	**0.4 %**	**0.1 %**	**0.3 %**

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535714-06D2 WG2081570
Analysis started at: 6/26/2025 6:55:08 PM
Rack 2
Vial 39
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	38.3338 ppm	0.0346 ppm	0.0025 ppm	0.3660 ppm	0.0022 ppm	2.4210 ppm
Concentration per Run 1	-0.0002 ppm	38.4128 ppm	0.0342 ppm	0.0030 ppm	0.3677 ppm	0.0022 ppm	2.4289 ppm
Concentration per Run 2	-0.0005 ppm	38.4263 ppm	0.0340 ppm	0.0028 ppm	0.3638 ppm	0.0022 ppm	2.4197 ppm
Concentration per Run 3	-0.0003 ppm	38.1624 ppm	0.0356 ppm	0.0018 ppm	0.3667 ppm	0.0022 ppm	2.4144 ppm
Concentration RSD	49.9 %	0.4 %	2.5 %	25.1 %	0.5 %	0.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0018 ppm	0.0384 ppm	0.0869 ppm	0.0653 ppm	88.7335 ppm	2.5636 ppm	0.1108 ppm
Concentration per Run 1	0.0018 ppm	0.0381 ppm	0.0864 ppm	0.0658 ppm	88.8786 ppm	2.5999 ppm	0.1115 ppm
Concentration per Run 2	0.0018 ppm	0.0389 ppm	0.0873 ppm	0.0655 ppm	88.4896 ppm	2.5567 ppm	0.1112 ppm
Concentration per Run 3	0.0017 ppm	0.0383 ppm	0.0869 ppm	0.0646 ppm	88.8323 ppm	2.5341 ppm	0.1096 ppm
Concentration RSD	2.8 %	1.1 %	0.5 %	1.0 %	0.2 %	1.3 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.6139 ppm	3.5162 ppm	0.0169 ppm	0.0728 ppm	0.0819 ppm	0.1640 ppm	-0.0001 ppm
Concentration per Run 1	15.6138 ppm	3.5207 ppm	0.0171 ppm	0.0751 ppm	0.0806 ppm	0.1639 ppm	-0.0005 ppm
Concentration per Run 2	15.6062 ppm	3.5158 ppm	0.0167 ppm	0.0715 ppm	0.0827 ppm	0.1650 ppm	0.0011 ppm
Concentration per Run 3	15.6218 ppm	3.5121 ppm	0.0168 ppm	0.0718 ppm	0.0822 ppm	0.1631 ppm	-0.0008 ppm
Concentration RSD	0.1 %	0.1 %	1.2 %	2.7 %	1.4 %	0.6 %	1,690.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	1.8371 ppm	0.0125 ppm	0.0139 ppm	0.1654 ppm	-0.0015 ppm	0.0386 ppm
Concentration per Run 1	-0.0008 ppm	1.8224 ppm	0.0117 ppm	0.0140 ppm	0.1656 ppm	-0.0017 ppm	0.0388 ppm
Concentration per Run 2	0.0009 ppm	1.8509 ppm	0.0134 ppm	0.0137 ppm	0.1658 ppm	-0.0013 ppm	0.0386 ppm
Concentration per Run 3	0.0016 ppm	1.8381 ppm	0.0123 ppm	0.0139 ppm	0.1648 ppm	-0.0016 ppm	0.0385 ppm
Concentration RSD	215.3 %	0.8 %	6.8 %	0.9 %	0.3 %	14.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3294 ppm	99.5396 %	102.6243 %	92.3699 %	103.6521 %	106.6321 %	103.7482 %
Concentration per Run 1	0.3271 ppm	100.1270 %	102.3568 %	92.5781 %	103.0976 %	106.5118 %	103.9964 %
Concentration per Run 2	0.3325 ppm	98.7971 %	102.8127 %	91.9899 %	102.5454 %	106.8722 %	103.5113 %
Concentration per Run 3	0.3288 ppm	99.6947 %	102.7033 %	92.5416 %	105.3134 %	106.5121 %	103.7369 %
Concentration RSD	0.8 %	0.7 %	0.2 %	0.4 %	1.4 %	0.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535714-13D2 WG2081570
Analysis started at: 6/26/2025 6:58:22 PM
Rack 2
Vial 40
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	39.4687 ppm	0.0277 ppm	0.0027 ppm	0.3944 ppm	0.0024 ppm	6.5340 ppm
Concentration per Run 1	-0.0005 ppm	39.4680 ppm	0.0283 ppm	0.0022 ppm	0.3944 ppm	0.0025 ppm	6.5694 ppm
Concentration per Run 2	-0.0005 ppm	39.6726 ppm	0.0278 ppm	0.0026 ppm	0.3942 ppm	0.0024 ppm	6.5523 ppm
Concentration per Run 3	-0.0003 ppm	39.2655 ppm	0.0270 ppm	0.0032 ppm	0.3947 ppm	0.0024 ppm	6.4802 ppm
Concentration RSD	31.6 %	0.5 %	2.4 %	18.6 %	0.1 %	1.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0017 ppm	0.0414 ppm	0.0572 ppm	0.0772 ppm	91.7158 ppm	3.1457 ppm	0.1176 ppm
Concentration per Run 1	0.0017 ppm	0.0414 ppm	0.0572 ppm	0.0770 ppm	92.2576 ppm	3.1315 ppm	0.1167 ppm
Concentration per Run 2	0.0018 ppm	0.0414 ppm	0.0574 ppm	0.0771 ppm	91.6698 ppm	3.1714 ppm	0.1191 ppm
Concentration per Run 3	0.0018 ppm	0.0415 ppm	0.0571 ppm	0.0776 ppm	91.2201 ppm	3.1342 ppm	0.1170 ppm
Concentration RSD	3.9 %	0.1 %	0.3 %	0.4 %	0.6 %	0.7 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.9636 ppm	4.6361 ppm	0.0065 ppm	0.0751 ppm	0.0866 ppm	0.1606 ppm	-0.0014 ppm
Concentration per Run 1	16.9857 ppm	4.6581 ppm	0.0063 ppm	0.0738 ppm	0.0868 ppm	0.1596 ppm	-0.0023 ppm
Concentration per Run 2	16.9956 ppm	4.6425 ppm	0.0064 ppm	0.0785 ppm	0.0862 ppm	0.1615 ppm	-0.0001 ppm
Concentration per Run 3	16.9096 ppm	4.6078 ppm	0.0067 ppm	0.0732 ppm	0.0867 ppm	0.1606 ppm	-0.0019 ppm
Concentration RSD	0.3 %	0.6 %	3.2 %	3.8 %	0.4 %	0.6 %	82.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0024 ppm	2.0029 ppm	0.0040 ppm	0.0310 ppm	0.1215 ppm	-0.0024 ppm	0.0346 ppm
Concentration per Run 1	-0.0045 ppm	2.0038 ppm	0.0049 ppm	0.0311 ppm	0.1226 ppm	-0.0024 ppm	0.0347 ppm
Concentration per Run 2	-0.0016 ppm	2.0062 ppm	0.0037 ppm	0.0309 ppm	0.1212 ppm	-0.0021 ppm	0.0345 ppm
Concentration per Run 3	-0.0011 ppm	1.9988 ppm	0.0034 ppm	0.0308 ppm	0.1208 ppm	-0.0026 ppm	0.0346 ppm
Concentration RSD	76.3 %	0.2 %	20.2 %	0.5 %	0.7 %	10.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3924 ppm	99.8610 %	102.1252 %	92.3565 %	107.2509 %	109.9438 %	107.3447 %
Concentration per Run 1	0.3916 ppm	100.1769 %	101.5198 %	92.8069 %	108.0024 %	109.5856 %	107.6308 %
Concentration per Run 2	0.3939 ppm	99.2969 %	101.5424 %	91.9842 %	106.3276 %	109.3604 %	107.2530 %
Concentration per Run 3	0.3918 ppm	100.1092 %	103.3135 %	92.2783 %	107.4226 %	110.8854 %	107.1504 %
Concentration RSD	0.3 %	0.5 %	1.0 %	0.5 %	0.8 %	0.7 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2535714-22D2 WG2081570
Analysis started at: 6/26/2025 7:01:35 PM
Rack 2
Vial 41
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	25.6331 ppm	0.0150 ppm	0.0035 ppm	0.7363 ppm	0.0013 ppm	3.0847 ppm
Concentration per Run 1	-0.0003 ppm	25.5772 ppm	0.0147 ppm	0.0047 ppm	0.7349 ppm	0.0013 ppm	3.0905 ppm
Concentration per Run 2	-0.0003 ppm	25.6930 ppm	0.0153 ppm	0.0022 ppm	0.7373 ppm	0.0013 ppm	3.0855 ppm
Concentration per Run 3	-0.0007 ppm	25.6292 ppm	0.0150 ppm	0.0036 ppm	0.7367 ppm	0.0013 ppm	3.0782 ppm
Concentration RSD	58.4 %	0.2 %	2.2 %	35.6 %	0.2 %	1.2 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	0.0217 ppm	0.0316 ppm	0.0376 ppm	54.0048 ppm	1.8801 ppm	0.1569 ppm
Concentration per Run 1	0.0008 ppm	0.0213 ppm	0.0314 ppm	0.0376 ppm	54.0723 ppm	1.8650 ppm	0.1554 ppm
Concentration per Run 2	0.0009 ppm	0.0219 ppm	0.0319 ppm	0.0376 ppm	53.9637 ppm	1.9014 ppm	0.1592 ppm
Concentration per Run 3	0.0008 ppm	0.0218 ppm	0.0315 ppm	0.0377 ppm	53.9784 ppm	1.8740 ppm	0.1561 ppm
Concentration RSD	4.0 %	1.5 %	0.7 %	0.2 %	0.1 %	1.0 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.6473 ppm	1.2150 ppm	0.0005 ppm	0.5712 ppm	0.0516 ppm	0.0344 ppm	0.0004 ppm
Concentration per Run 1	10.6194 ppm	1.2192 ppm	0.0001 ppm	0.5672 ppm	0.0518 ppm	0.0348 ppm	0.0002 ppm
Concentration per Run 2	10.7150 ppm	1.2166 ppm	0.0007 ppm	0.5769 ppm	0.0521 ppm	0.0342 ppm	0.0011 ppm
Concentration per Run 3	10.6074 ppm	1.2091 ppm	0.0007 ppm	0.5697 ppm	0.0508 ppm	0.0341 ppm	-0.0001 ppm
Concentration RSD	0.6 %	0.4 %	69.3 %	0.9 %	1.3 %	1.1 %	154.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	2.0997 ppm	0.0025 ppm	0.1744 ppm	0.1483 ppm	-0.0010 ppm	0.0227 ppm
Concentration per Run 1	-0.0025 ppm	2.0979 ppm	0.0026 ppm	0.1741 ppm	0.1474 ppm	-0.0017 ppm	0.0225 ppm
Concentration per Run 2	0.0005 ppm	2.1087 ppm	0.0024 ppm	0.1750 ppm	0.1491 ppm	-0.0002 ppm	0.0228 ppm
Concentration per Run 3	-0.0015 ppm	2.0924 ppm	0.0025 ppm	0.1741 ppm	0.1485 ppm	-0.0010 ppm	0.0227 ppm
Concentration RSD	132.1 %	0.4 %	3.8 %	0.3 %	0.6 %	78.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2324 ppm	99.9454 %	102.4664 %	93.8099 %	101.2659 %	104.7365 %	102.1292 %
Concentration per Run 1	0.2320 ppm	100.0444 %	102.1221 %	93.5433 %	101.5490 %	104.3000 %	101.7246 %
Concentration per Run 2	0.2339 ppm	99.4672 %	102.4243 %	93.7040 %	100.0396 %	104.6992 %	102.2426 %
Concentration per Run 3	0.2312 ppm	100.3246 %	102.8528 %	94.1823 %	102.2090 %	105.2104 %	102.4204 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.4 %	1.1 %	0.4 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: eL2537210-01D2 WG2081570
Analysis started at: 6/26/2025 7:04:49 PM
Rack 2
Vial 42
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0113 ppm	94.9498 ppm	0.1606 ppm	0.1916 ppm	1.2453 ppm	0.0054 ppm	526.2900 [SIC 1500]
Concentration per Run 1	-0.0115 ppm	94.8256 ppm	0.1630 ppm	0.1901 ppm	1.2418 ppm	0.0053 ppm	529.2373 ppm
Concentration per Run 2	-0.0136 ppm	95.0762 ppm	0.1567 ppm	0.1943 ppm	1.2505 ppm	0.0054 ppm	526.2453 ppm
Concentration per Run 3	-0.0087 ppm	94.9477 ppm	0.1619 ppm	0.1905 ppm	1.2435 ppm	0.0055 ppm	523.3874 ppm
Concentration RSD	21.8 %	0.1 %	2.1 %	1.2 %	0.4 %	1.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0314 ppm	0.1048 ppm	6.3481 ppm	1.7955 ppm	1,004.9093 [SIC 700]	5.2882 ppm	0.0775 ppm
Concentration per Run 1	0.0313 ppm	0.1061 ppm	6.3518 ppm	1.8039 ppm	1,007.1587 ppm	5.2419 ppm	0.0779 ppm
Concentration per Run 2	0.0314 ppm	0.1035 ppm	6.3521 ppm	1.7900 ppm	1,006.6656 ppm	5.3171 ppm	0.0772 ppm
Concentration per Run 3	0.0317 ppm	0.1046 ppm	6.3403 ppm	1.7928 ppm	1,000.9037 ppm	5.3057 ppm	0.0773 ppm
Concentration RSD	0.7 %	1.2 %	0.1 %	0.4 %	0.3 %	0.8 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	180.3026 ppm	35.9873 [SIC 100]	1.3245 ppm	3.1699 ppm	3.7462 ppm	2.6588 ppm	0.0017 ppm
Concentration per Run 1	180.4195 ppm	36.1128 ppm	1.3244 ppm	3.1664 ppm	3.7538 ppm	2.6648 ppm	0.0050 ppm
Concentration per Run 2	180.6035 ppm	36.0477 ppm	1.3238 ppm	3.1707 ppm	3.7488 ppm	2.6422 ppm	0.0007 ppm
Concentration per Run 3	179.8849 ppm	35.8015 ppm	1.3254 ppm	3.1726 ppm	3.7360 ppm	2.6695 ppm	-0.0005 ppm
Concentration RSD	0.2 %	0.5 %	0.1 %	0.1 %	0.2 %	0.5 %	167.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0105 ppm	13.0548 ppm	0.1952 ppm	0.8540 ppm	7.5604 ppm	-0.0127 ppm	2.0076 ppm
Concentration per Run 1	-0.0140 ppm	13.0431 ppm	0.1959 ppm	0.8526 ppm	7.5493 ppm	-0.0123 ppm	2.0168 ppm
Concentration per Run 2	-0.0081 ppm	13.0942 ppm	0.1941 ppm	0.8550 ppm	7.5769 ppm	-0.0126 ppm	2.0030 ppm
Concentration per Run 3	-0.0095 ppm	13.0271 ppm	0.1956 ppm	0.8545 ppm	7.5551 ppm	-0.0131 ppm	2.0029 ppm
Concentration RSD	29.5 %	0.3 %	0.5 %	0.1 %	0.2 %	3.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	7.2793 ppm	86.5618 %	95.0354 %	60.5809 %	100.2706 %	110.4536 %	94.5604 %
Concentration per Run 1	7.2972 ppm	86.6141 %	94.3370 %	60.5544 %	99.8305 %	110.0172 %	94.7699 %
Concentration per Run 2	7.2786 ppm	86.8462 %	95.0465 %	61.1337 %	100.8698 %	110.4329 %	95.1449 %
Concentration per Run 3	7.2621 ppm	86.2250 %	95.7227 %	60.0548 %	100.1114 %	110.9108 %	93.7663 %
Concentration RSD	0.2 %	0.4 %	0.7 %	0.9 %	0.5 %	0.4 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-02D2 WG2081570
Analysis started at: 6/26/2025 7:08:03 PM
Rack 2
Vial 43
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	27.9127 ppm	0.0346 ppm	0.0498 ppm	0.1496 ppm	0.0014 ppm	4.4690 ppm
Concentration per Run 1	-0.0006 ppm	27.9987 ppm	0.0358 ppm	0.0503 ppm	0.1502 ppm	0.0014 ppm	4.4149 ppm
Concentration per Run 2	-0.0004 ppm	27.8269 ppm	0.0336 ppm	0.0494 ppm	0.1494 ppm	0.0013 ppm	4.5821 ppm
Concentration per Run 3	-0.0003 ppm	27.9126 ppm	0.0343 ppm	0.0496 ppm	0.1491 ppm	0.0014 ppm	4.4100 ppm
Concentration RSD	36.6 %	0.3 %	3.3 %	1.0 %	0.4 %	4.4 %	2.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0142 ppm	0.0623 ppm	0.0207 ppm	72.1830 ppm	6.7335 ppm	0.0150 ppm
Concentration per Run 1	0.0006 ppm	0.0138 ppm	0.0631 ppm	0.0206 ppm	71.9727 ppm	6.7567 ppm	0.0155 ppm
Concentration per Run 2	0.0006 ppm	0.0141 ppm	0.0619 ppm	0.0205 ppm	72.8875 ppm	6.7332 ppm	0.0149 ppm
Concentration per Run 3	0.0005 ppm	0.0145 ppm	0.0621 ppm	0.0209 ppm	71.6888 ppm	6.7105 ppm	0.0145 ppm
Concentration RSD	8.4 %	2.6 %	1.0 %	1.1 %	0.9 %	0.3 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.0504 ppm	0.8116 ppm	0.0066 ppm	1.3846 ppm	0.0301 ppm	0.0276 ppm	-0.0009 ppm
Concentration per Run 1	6.0915 ppm	0.8064 ppm	0.0068 ppm	1.3934 ppm	0.0302 ppm	0.0278 ppm	-0.0024 ppm
Concentration per Run 2	6.0275 ppm	0.8217 ppm	0.0066 ppm	1.3783 ppm	0.0301 ppm	0.0272 ppm	-0.0010 ppm
Concentration per Run 3	6.0322 ppm	0.8068 ppm	0.0064 ppm	1.3822 ppm	0.0301 ppm	0.0279 ppm	0.0006 ppm
Concentration RSD	0.6 %	1.1 %	3.6 %	0.6 %	0.3 %	1.4 %	159.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0013 ppm	1.9706 ppm	0.0059 ppm	0.0376 ppm	0.5408 ppm	-0.0004 ppm	0.0761 ppm
Concentration per Run 1	0.0019 ppm	1.9767 ppm	0.0056 ppm	0.0378 ppm	0.5437 ppm	-0.0008 ppm	0.0762 ppm
Concentration per Run 2	0.0003 ppm	1.9614 ppm	0.0057 ppm	0.0372 ppm	0.5380 ppm	-0.0008 ppm	0.0758 ppm
Concentration per Run 3	0.0019 ppm	1.9736 ppm	0.0065 ppm	0.0376 ppm	0.5406 ppm	0.0003 ppm	0.0762 ppm
Concentration RSD	70.1 %	0.4 %	8.0 %	0.9 %	0.5 %	145.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0692 ppm	101.5241 %	102.4438 %	94.2434 %	102.7253 %	104.3470 %	102.4856 %
Concentration per Run 1	0.0697 ppm	100.6902 %	103.9678 %	94.2825 %	102.6538 %	105.7277 %	102.7792 %
Concentration per Run 2	0.0690 ppm	102.1235 %	99.0561 %	93.9275 %	103.2488 %	101.7683 %	102.1143 %
Concentration per Run 3	0.0688 ppm	101.7585 %	104.3076 %	94.5201 %	102.2732 %	105.5450 %	102.5635 %
Concentration RSD	0.7 %	0.7 %	2.9 %	0.3 %	0.5 %	2.1 %	0.3 %

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 7:25:27 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4622 ppm	0.4602 ppm	0.4754 ppm	0.4792 ppm	0.4919 ppm	0.4925 ppm	0.4736 ppm
Concentration per Run 1	0.4620 ppm	0.4613 ppm	0.4764 ppm	0.4829 ppm	0.4885 ppm	0.4919 ppm	0.4770 ppm
Concentration per Run 2	0.4628 ppm	0.4613 ppm	0.4773 ppm	0.4772 ppm	0.4924 ppm	0.4909 ppm	0.4716 ppm
Concentration per Run 3	0.4618 ppm	0.4580 ppm	0.4724 ppm	0.4777 ppm	0.4948 ppm	0.4946 ppm	0.4723 ppm
Recovery Percentage 1	92.435 %	92.044 %	95.074 %	95.847 %	98.381 %	98.492 %	94.726 %
Concentration RSD	0.1 %	0.4 %	0.5 %	0.7 %	0.6 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4625 ppm	0.4854 ppm	0.5069 ppm	0.4646 ppm	0.4902 ppm	4.9633 ppm	0.5003 ppm
Concentration per Run 1	0.4615 ppm	0.4841 ppm	0.5084 ppm	0.4667 ppm	0.4896 ppm	5.0147 ppm	0.5071 ppm
Concentration per Run 2	0.4645 ppm	0.4882 ppm	0.5042 ppm	0.4642 ppm	0.4894 ppm	4.9356 ppm	0.4927 ppm
Concentration per Run 3	0.4616 ppm	0.4838 ppm	0.5080 ppm	0.4630 ppm	0.4917 ppm	4.9396 ppm	0.5011 ppm
Recovery Percentage 1	92.505 %	97.072 %	101.380 %	92.928 %	98.050 %	99.266 %	100.060 %
Concentration RSD	0.4 %	0.5 %	0.5 %	0.4 %	0.3 %	0.9 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4929 ppm	0.4823 ppm	0.4895 ppm	9.8123 ppm	0.5138 ppm	0.5011 ppm	0.4586 ppm
Concentration per Run 1	0.4950 ppm	0.4836 ppm	0.4914 ppm	9.8977 ppm	0.5187 ppm	0.5016 ppm	0.4581 ppm
Concentration per Run 2	0.4913 ppm	0.4802 ppm	0.4880 ppm	9.8223 ppm	0.5097 ppm	0.5031 ppm	0.4622 ppm
Concentration per Run 3	0.4924 ppm	0.4831 ppm	0.4893 ppm	9.7168 ppm	0.5130 ppm	0.4985 ppm	0.4557 ppm
Recovery Percentage 1	98.584 %	96.463 %	97.909 %	98.123 %	102.763 %	100.211 %	91.730 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.9 %	0.9 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4794 ppm	4.9459 ppm	0.4999 ppm	0.4926 ppm	0.5034 ppm	0.4993 ppm	0.4685 ppm
Concentration per Run 1	0.4815 ppm	4.9564 ppm	0.5040 ppm	0.4926 ppm	0.5051 ppm	0.4996 ppm	0.4683 ppm
Concentration per Run 2	0.4806 ppm	4.9405 ppm	0.4973 ppm	0.4907 ppm	0.5012 ppm	0.5006 ppm	0.4697 ppm
Concentration per Run 3	0.4762 ppm	4.9407 ppm	0.4985 ppm	0.4946 ppm	0.5038 ppm	0.4978 ppm	0.4675 ppm
Recovery Percentage 1	95.881 %	94.207 %	99.988 %	98.519 %	100.675 %	99.869 %	93.704 %
Concentration RSD	0.6 %	0.2 %	0.7 %	0.4 %	0.4 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5060 ppm	101.1897 %	102.6988 %	96.4238 %	99.7086 %	100.8270 %	98.6594 %
Concentration per Run 1	0.5098 ppm	100.0654 %	102.8381 %	96.2076 %	99.0589 %	101.1504 %	98.4393 %
Concentration per Run 2	0.5030 ppm	101.9884 %	103.1308 %	96.2985 %	100.0220 %	101.3384 %	98.6553 %
Concentration per Run 3	0.5053 ppm	101.5154 %	102.1276 %	96.7652 %	100.0451 %	99.9921 %	98.8835 %
Recovery Percentage 1	101.201 %						
Concentration RSD	0.7 %	1.0 %	0.5 %	0.3 %	0.6 %	0.7 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 7:28:46 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0092 ppm	-0.0010 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0003 ppm	-0.0080 ppm	-0.0011 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 2	-0.0001 ppm	-0.0128 ppm	-0.0020 ppm	-0.0008 ppm	-0.0001 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0070 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm
Recovery Percentage 1	0.872 %	-9.249 %	-19.071 %	-1.168 %	-0.002 %	0.285 %	1.468 %
Concentration RSD	325.9 %	33.4 %	117.2 %	132.2 %	41,348.1 %	113.0 %	166.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0020 ppm	-0.0036 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0018 ppm	0.0043 ppm	0.0006 ppm
Concentration per Run 2	0.0002 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0028 ppm	-0.0058 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0015 ppm	-0.0093 ppm	0.0004 ppm
Recovery Percentage 1	1.378 %	0.061 %	-1.281 %	-0.688 %	4.055 %	-0.144 %	7.974 %
Concentration RSD	122.4 %	586.9 %	79.0 %	70.8 %	32.0 %	197.2 %	55.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0006 ppm	0.0025 ppm	-0.0066 ppm	0.0002 ppm	-0.0004 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0028 ppm	-0.0058 ppm	0.0002 ppm	-0.0004 ppm	0.0021 ppm
Concentration per Run 2	-0.0004 ppm	0.0006 ppm	0.0023 ppm	-0.0056 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	0.0024 ppm	-0.0085 ppm	0.0005 ppm	-0.0008 ppm	0.0001 ppm
Recovery Percentage 1	-0.201 %	5.569 %	5.009 %	-0.330 %	0.678 %	-3.778 %	1.912 %
Concentration RSD	104.8 %	13.3 %	11.8 %	24.5 %	226.3 %	105.3 %	107.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0010 ppm	-0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0012 ppm	0.0009 ppm	-0.0006 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0006 ppm	0.0005 ppm	-0.0009 ppm	-0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0015 ppm	0.0017 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0009 ppm	-0.0001 ppm
Recovery Percentage 1	11.026 %	0.205 %	-0.852 %	-0.171 %	2.835 %	1.142 %	0.335 %
Concentration RSD	39.1 %	59.9 %	140.5 %	249.2 %	63.3 %	282.1 %	356.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	99.6016 %	101.4312 %	97.8738 %	99.8693 %	101.6868 %	100.7384 %
Concentration per Run 1	0.0003 ppm	99.9320 %	101.8874 %	97.4668 %	100.7137 %	101.8130 %	100.3772 %
Concentration per Run 2	0.0000 ppm	99.2285 %	101.4614 %	97.9352 %	99.2595 %	101.9527 %	100.6596 %
Concentration per Run 3	-0.0002 ppm	99.6443 %	100.9448 %	98.2193 %	99.6348 %	101.2947 %	101.1785 %
Recovery Percentage 1	0.892 %						
Concentration RSD	611.4 %	0.4 %	0.5 %	0.4 %	0.8 %	0.3 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-03D2 WG2081570
Analysis started at: 6/26/2025 7:41:17 PM
Rack 2
Vial 44
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	89.8909 ppm	0.0524 ppm	0.0937 ppm	0.4351 ppm	0.0031 ppm	61.9366 ppm
Concentration per Run 1	0.0014 ppm	90.2805 ppm	0.0531 ppm	0.0948 ppm	0.4332 ppm	0.0030 ppm	62.0825 ppm
Concentration per Run 2	0.0013 ppm	89.9912 ppm	0.0514 ppm	0.0923 ppm	0.4369 ppm	0.0032 ppm	61.7730 ppm
Concentration per Run 3	0.0010 ppm	89.4010 ppm	0.0527 ppm	0.0941 ppm	0.4352 ppm	0.0031 ppm	61.9543 ppm
Concentration RSD	17.1 %	0.5 %	1.7 %	1.4 %	0.4 %	2.2 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0041 ppm	0.0289 ppm	0.1738 ppm	0.0669 ppm	168.9168 ppm	15.3879 ppm	0.0470 ppm
Concentration per Run 1	0.0043 ppm	0.0290 ppm	0.1736 ppm	0.0677 ppm	169.3684 ppm	15.4423 ppm	0.0483 ppm
Concentration per Run 2	0.0040 ppm	0.0292 ppm	0.1713 ppm	0.0664 ppm	168.8937 ppm	15.5026 ppm	0.0465 ppm
Concentration per Run 3	0.0040 ppm	0.0286 ppm	0.1764 ppm	0.0666 ppm	168.4881 ppm	15.2189 ppm	0.0461 ppm
Concentration RSD	4.1 %	1.0 %	1.5 %	1.0 %	0.3 %	1.0 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.2021 ppm	11.6106 ppm	0.0080 ppm	1.5137 ppm	0.0597 ppm	0.1468 ppm	-0.0033 ppm
Concentration per Run 1	38.0704 ppm	11.6538 ppm	0.0081 ppm	1.5106 ppm	0.0585 ppm	0.1472 ppm	-0.0022 ppm
Concentration per Run 2	38.0962 ppm	11.5809 ppm	0.0077 ppm	1.5305 ppm	0.0598 ppm	0.1457 ppm	-0.0032 ppm
Concentration per Run 3	38.4396 ppm	11.5970 ppm	0.0082 ppm	1.4999 ppm	0.0609 ppm	0.1474 ppm	-0.0046 ppm
Concentration RSD	0.5 %	0.3 %	3.1 %	1.0 %	2.0 %	0.6 %	37.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0040 ppm	3.6358 ppm	0.0140 ppm	0.1871 ppm	4.3005 ppm	-0.0065 ppm	0.3246 ppm
Concentration per Run 1	-0.0056 ppm	3.6140 ppm	0.0149 ppm	0.1860 ppm	4.3008 ppm	-0.0064 ppm	0.3262 ppm
Concentration per Run 2	-0.0044 ppm	3.6432 ppm	0.0137 ppm	0.1889 ppm	4.2585 ppm	-0.0052 ppm	0.3222 ppm
Concentration per Run 3	-0.0019 ppm	3.6503 ppm	0.0135 ppm	0.1865 ppm	4.3423 ppm	-0.0079 ppm	0.3253 ppm
Concentration RSD	47.1 %	0.5 %	5.4 %	0.8 %	1.0 %	20.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3228 ppm	97.6458 %	99.0148 %	86.2191 %	95.1412 %	105.3748 %	101.8543 %
Concentration per Run 1	0.3195 ppm	96.7910 %	98.7797 %	86.2491 %	93.3880 %	105.6381 %	101.4668 %
Concentration per Run 2	0.3195 ppm	98.4193 %	99.6578 %	86.5991 %	96.8810 %	106.2586 %	102.5020 %
Concentration per Run 3	0.3294 ppm	97.7272 %	98.6071 %	85.8089 %	95.1545 %	104.2277 %	101.5942 %
Concentration RSD	1.8 %	0.8 %	0.6 %	0.5 %	1.8 %	1.0 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-04D2 WG2081570
Analysis started at: 6/26/2025 7:44:37 PM
Rack 2
Vial 45
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0039 ppm	120.0041 ppm	0.1275 ppm	0.1604 ppm	1.3414 ppm	0.0050 ppm	260.3513 ppm
Concentration per Run 1	0.0046 ppm	120.3909 ppm	0.1289 ppm	0.1635 ppm	1.3435 ppm	0.0048 ppm	261.9484 ppm
Concentration per Run 2	0.0028 ppm	120.1157 ppm	0.1263 ppm	0.1577 ppm	1.3348 ppm	0.0051 ppm	261.7663 ppm
Concentration per Run 3	0.0044 ppm	119.5057 ppm	0.1273 ppm	0.1599 ppm	1.3460 ppm	0.0051 ppm	257.3392 ppm
Concentration RSD	25.4 %	0.4 %	1.1 %	1.8 %	0.4 %	2.9 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0096 ppm	0.0327 ppm	1.2782 ppm	0.5175 ppm	305.5871 ppm	12.5716 ppm	0.1376 ppm
Concentration per Run 1	0.0098 ppm	0.0347 ppm	1.2679 ppm	0.5196 ppm	306.4313 ppm	12.5689 ppm	0.1386 ppm
Concentration per Run 2	0.0089 ppm	0.0309 ppm	1.2915 ppm	0.5162 ppm	306.5311 ppm	12.5470 ppm	0.1366 ppm
Concentration per Run 3	0.0100 ppm	0.0325 ppm	1.2752 ppm	0.5166 ppm	303.7990 ppm	12.5990 ppm	0.1376 ppm
Concentration RSD	6.6 %	5.8 %	0.9 %	0.4 %	0.5 %	0.2 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.2229 ppm	46.0110 [SIC 100]	0.0274 ppm	5.9402 ppm	0.1512 ppm	0.8824 ppm	0.0094 ppm
Concentration per Run 1	19.1867 ppm	46.2382 ppm	0.0274 ppm	5.9425 ppm	0.1506 ppm	0.8927 ppm	0.0089 ppm
Concentration per Run 2	19.2918 ppm	46.2073 ppm	0.0274 ppm	5.9293 ppm	0.1521 ppm	0.8726 ppm	0.0097 ppm
Concentration per Run 3	19.1902 ppm	45.5873 ppm	0.0275 ppm	5.9487 ppm	0.1510 ppm	0.8818 ppm	0.0097 ppm
Concentration RSD	0.3 %	0.8 %	0.1 %	0.2 %	0.5 %	1.1 %	4.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0131 ppm	11.3048 ppm	0.1279 ppm	0.5597 ppm	22.2124 ppm	-0.0370 ppm	1.0351 ppm
Concentration per Run 1	-0.0129 ppm	11.4324 ppm	0.1266 ppm	0.5597 ppm	22.0045 ppm	-0.0375 ppm	1.0369 ppm
Concentration per Run 2	-0.0128 ppm	11.1866 ppm	0.1294 ppm	0.5577 ppm	22.4586 ppm	-0.0377 ppm	1.0379 ppm
Concentration per Run 3	-0.0135 ppm	11.2954 ppm	0.1277 ppm	0.5618 ppm	22.1741 ppm	-0.0356 ppm	1.0307 ppm
Concentration RSD	3.0 %	1.1 %	1.1 %	0.4 %	1.0 %	3.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4252 ppm	95.7064 %	103.6911 %	77.1948 %	101.1631 %	118.6096 %	109.5328 %
Concentration per Run 1	1.4204 ppm	94.9439 %	103.3544 %	76.5274 %	99.6923 %	119.1111 %	109.7307 %
Concentration per Run 2	1.4305 ppm	96.3413 %	103.6941 %	77.9825 %	102.6311 %	118.9983 %	109.8609 %
Concentration per Run 3	1.4246 ppm	95.8339 %	104.0249 %	77.0745 %	101.1658 %	117.7194 %	109.0066 %
Concentration RSD	0.4 %	0.7 %	0.3 %	1.0 %	1.5 %	0.7 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-05D2 WG2081570
Analysis started at: 6/26/2025 7:47:51 PM
Rack 2
Vial 46
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	68.8923 ppm	0.1323 ppm	0.0845 ppm	0.8422 ppm	0.0066 ppm	121.0744 ppm
Concentration per Run 1	-0.0010 ppm	68.7078 ppm	0.1324 ppm	0.0861 ppm	0.8441 ppm	0.0066 ppm	120.7572 ppm
Concentration per Run 2	-0.0007 ppm	69.1346 ppm	0.1339 ppm	0.0835 ppm	0.8445 ppm	0.0065 ppm	121.3423 ppm
Concentration per Run 3	-0.0013 ppm	68.8346 ppm	0.1307 ppm	0.0841 ppm	0.8380 ppm	0.0066 ppm	121.1237 ppm
Concentration RSD	33.0 %	0.3 %	1.2 %	1.6 %	0.4 %	0.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0074 ppm	0.0513 ppm	1.7337 ppm	0.4066 ppm	278.0392 ppm	7.6264 ppm	0.0764 ppm
Concentration per Run 1	0.0070 ppm	0.0514 ppm	1.7394 ppm	0.4057 ppm	278.5389 ppm	7.6184 ppm	0.0765 ppm
Concentration per Run 2	0.0075 ppm	0.0518 ppm	1.7368 ppm	0.4058 ppm	277.5155 ppm	7.6464 ppm	0.0760 ppm
Concentration per Run 3	0.0076 ppm	0.0508 ppm	1.7248 ppm	0.4082 ppm	278.0633 ppm	7.6144 ppm	0.0767 ppm
Concentration RSD	4.2 %	1.0 %	0.4 %	0.4 %	0.2 %	0.2 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	55.1507 ppm	6.7416 ppm	0.0971 ppm	1.3595 ppm	0.7004 ppm	0.7569 ppm	-0.0013 ppm
Concentration per Run 1	55.4658 ppm	6.7362 ppm	0.0976 ppm	1.3524 ppm	0.7033 ppm	0.7570 ppm	0.0002 ppm
Concentration per Run 2	55.0654 ppm	6.7476 ppm	0.0967 ppm	1.3701 ppm	0.6994 ppm	0.7558 ppm	-0.0032 ppm
Concentration per Run 3	54.9209 ppm	6.7410 ppm	0.0971 ppm	1.3560 ppm	0.6984 ppm	0.7577 ppm	-0.0009 ppm
Concentration RSD	0.5 %	0.1 %	0.4 %	0.7 %	0.4 %	0.1 %	135.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	11.7649 ppm	0.0458 ppm	0.2997 ppm	2.7035 ppm	-0.0031 ppm	0.2134 ppm
Concentration per Run 1	-0.0001 ppm	11.7987 ppm	0.0453 ppm	0.3010 ppm	2.7152 ppm	-0.0041 ppm	0.2137 ppm
Concentration per Run 2	0.0055 ppm	11.7438 ppm	0.0460 ppm	0.2998 ppm	2.7050 ppm	-0.0036 ppm	0.2130 ppm
Concentration per Run 3	-0.0001 ppm	11.7522 ppm	0.0460 ppm	0.2984 ppm	2.6904 ppm	-0.0018 ppm	0.2137 ppm
Concentration RSD	186.6 %	0.3 %	1.0 %	0.4 %	0.5 %	39.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5905 ppm	98.7128 %	103.6487 %	83.2553 %	107.1968 %	113.5516 %	105.2849 %
Concentration per Run 1	1.5996 ppm	98.5847 %	103.6601 %	83.2050 %	107.5259 %	113.2359 %	105.1246 %
Concentration per Run 2	1.5902 ppm	98.8637 %	103.9287 %	83.1019 %	106.9233 %	114.3308 %	105.0964 %
Concentration per Run 3	1.5818 ppm	98.6900 %	103.3574 %	83.4591 %	107.1412 %	113.0882 %	105.6338 %
Concentration RSD	0.6 %	0.1 %	0.3 %	0.2 %	0.3 %	0.6 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-01D10 WG2081570
Analysis started at: 6/26/2025 7:51:05 PM
Rack 2
Vial 47
Comment Fe over SIC

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	18.4592 ppm	0.0254 ppm	0.0430 ppm	0.2484 ppm	0.0011 ppm	116.7106 ppm
Concentration per Run 1	-0.0010 ppm	18.6221 ppm	0.0258 ppm	0.0441 ppm	0.2483 ppm	0.0012 ppm	117.3165 ppm
Concentration per Run 2	-0.0011 ppm	18.3881 ppm	0.0256 ppm	0.0419 ppm	0.2480 ppm	0.0011 ppm	116.6443 ppm
Concentration per Run 3	-0.0011 ppm	18.3674 ppm	0.0249 ppm	0.0429 ppm	0.2490 ppm	0.0011 ppm	116.1711 ppm
Concentration RSD	4.4 %	0.8 %	1.8 %	2.6 %	0.2 %	1.9 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0073 ppm	0.0236 ppm	1.3888 ppm	0.4153 ppm	306.6441 ppm	1.0129 ppm	0.0152 ppm
Concentration per Run 1	0.0075 ppm	0.0238 ppm	1.3917 ppm	0.4214 ppm	307.8813 ppm	1.0332 ppm	0.0152 ppm
Concentration per Run 2	0.0072 ppm	0.0235 ppm	1.3911 ppm	0.4118 ppm	306.2783 ppm	0.9967 ppm	0.0153 ppm
Concentration per Run 3	0.0071 ppm	0.0233 ppm	1.3836 ppm	0.4126 ppm	305.7727 ppm	1.0089 ppm	0.0150 ppm
Concentration RSD	2.4 %	1.1 %	0.3 %	1.3 %	0.4 %	1.8 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.2838 ppm	7.9056 ppm	0.2800 ppm	0.5995 ppm	0.8516 ppm	0.5060 ppm	-0.0042 ppm
Concentration per Run 1	41.2706 ppm	7.9606 ppm	0.2793 ppm	0.6083 ppm	0.8511 ppm	0.5061 ppm	-0.0020 ppm
Concentration per Run 2	41.3486 ppm	7.8983 ppm	0.2803 ppm	0.5969 ppm	0.8540 ppm	0.5051 ppm	-0.0070 ppm
Concentration per Run 3	41.2322 ppm	7.8578 ppm	0.2803 ppm	0.5934 ppm	0.8498 ppm	0.5068 ppm	-0.0036 ppm
Concentration RSD	0.1 %	0.7 %	0.2 %	1.3 %	0.3 %	0.2 %	60.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0018 ppm	2.6441 ppm	0.0442 ppm	0.1719 ppm	1.5856 ppm	-0.0036 ppm	0.4828 ppm
Concentration per Run 1	-0.0047 ppm	2.6548 ppm	0.0439 ppm	0.1725 ppm	1.5913 ppm	-0.0039 ppm	0.4871 ppm
Concentration per Run 2	-0.0011 ppm	2.6477 ppm	0.0445 ppm	0.1713 ppm	1.5876 ppm	-0.0031 ppm	0.4797 ppm
Concentration per Run 3	0.0003 ppm	2.6299 ppm	0.0443 ppm	0.1719 ppm	1.5780 ppm	-0.0037 ppm	0.4816 ppm
Concentration RSD	142.2 %	0.5 %	0.7 %	0.4 %	0.4 %	12.0 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7530 ppm	96.3432 %	99.5950 %	83.0371 %	97.6703 %	101.9035 %	96.0119 %
Concentration per Run 1	1.7497 ppm	96.6166 %	99.7251 %	82.9966 %	97.1574 %	102.3229 %	95.9178 %
Concentration per Run 2	1.7579 ppm	96.0135 %	99.7607 %	82.8566 %	98.1529 %	102.0431 %	95.6494 %
Concentration per Run 3	1.7514 ppm	96.3995 %	99.2993 %	83.2582 %	97.7006 %	101.3443 %	96.4683 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.2 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: LDR 400 Fe pass
Analysis started at: 6/26/2025 7:58:54 PM
Rack 2
Vial 48
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0042 ppm	0.0046 ppm	-0.0033 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run 1	-0.0040 ppm	0.0058 ppm	-0.0039 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0050 ppm
Concentration per Run 2	-0.0048 ppm	0.0050 ppm	-0.0031 ppm	0.0007 ppm	0.0003 ppm	0.0000 ppm	0.0065 ppm
Concentration per Run 3	-0.0038 ppm	0.0030 ppm	-0.0029 ppm	0.0022 ppm	0.0002 ppm	0.0000 ppm	0.0058 ppm
Concentration RSD	12.6 %	30.9 %	15.5 %	91.9 %	15.5 %	975.7 %	13.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0028 ppm	-0.0019 ppm	-0.0021 ppm	-0.0016 ppm	365.8591 ppm	-0.0606 ppm	0.0007 ppm
Concentration per Run 1	0.0028 ppm	-0.0023 ppm	-0.0018 ppm	-0.0016 ppm	364.2552 ppm	-0.0617 ppm	0.0009 ppm
Concentration per Run 2	0.0029 ppm	-0.0019 ppm	-0.0026 ppm	-0.0016 ppm	367.0472 ppm	-0.0624 ppm	0.0006 ppm
Concentration per Run 3	0.0029 ppm	-0.0016 ppm	-0.0020 ppm	-0.0015 ppm	366.2749 ppm	-0.0578 ppm	0.0008 ppm
Concentration RSD	2.0 %	18.1 %	18.5 %	5.7 %	0.4 %	4.1 %	24.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0224 ppm	-0.0015 ppm	-0.0021 ppm	-0.0032 ppm	-0.0012 ppm	-0.0015 ppm	-0.0055 ppm
Concentration per Run 1	0.0241 ppm	-0.0014 ppm	-0.0021 ppm	-0.0043 ppm	-0.0007 ppm	-0.0011 ppm	-0.0043 ppm
Concentration per Run 2	0.0210 ppm	-0.0017 ppm	-0.0022 ppm	-0.0036 ppm	-0.0013 ppm	-0.0020 ppm	-0.0051 ppm
Concentration per Run 3	0.0221 ppm	-0.0014 ppm	-0.0021 ppm	-0.0016 ppm	-0.0015 ppm	-0.0015 ppm	-0.0071 ppm
Concentration RSD	6.9 %	9.7 %	2.3 %	43.8 %	36.4 %	26.3 %	26.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0013 ppm	-0.0010 ppm	0.0011 ppm	0.0002 ppm	0.0003 ppm	0.0011 ppm	-0.0041 ppm
Concentration per Run 1	-0.0023 ppm	-0.0004 ppm	0.0013 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0037 ppm
Concentration per Run 2	0.0001 ppm	-0.0007 ppm	0.0012 ppm	0.0002 ppm	0.0004 ppm	0.0006 ppm	-0.0043 ppm
Concentration per Run 3	-0.0017 ppm	-0.0018 ppm	0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0027 ppm	-0.0042 ppm
Concentration RSD	92.9 %	75.5 %	39.2 %	3.1 %	56.6 %	127.0 %	7.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0009 ppm	98.4247 %	101.3712 %	88.0899 %	97.5477 %	99.8369 %	96.3686 %
Concentration per Run 1	-0.0010 ppm	99.0574 %	101.9311 %	88.0825 %	98.5276 %	100.3411 %	96.5146 %
Concentration per Run 2	-0.0010 ppm	98.1463 %	100.4364 %	88.1680 %	97.2926 %	99.1442 %	96.3736 %
Concentration per Run 3	-0.0007 ppm	98.0704 %	101.7460 %	88.0191 %	96.8229 %	100.0252 %	96.2177 %
Concentration RSD	18.4 %	0.6 %	0.8 %	0.1 %	0.9 %	0.6 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537210-04D20 WG2081570
Analysis started at: 6/26/2025 8:17:10 PM
Rack 2
Vial 49
Comment Mn LDR

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	12.5291 ppm	0.0106 ppm	0.0170 ppm	0.1418 ppm	0.0006 ppm	29.2526 ppm
Concentration per Run 1	-0.0003 ppm	12.5817 ppm	0.0104 ppm	0.0170 ppm	0.1422 ppm	0.0006 ppm	29.3223 ppm
Concentration per Run 2	-0.0001 ppm	12.5028 ppm	0.0106 ppm	0.0174 ppm	0.1415 ppm	0.0006 ppm	29.2795 ppm
Concentration per Run 3	-0.0002 ppm	12.5028 ppm	0.0107 ppm	0.0167 ppm	0.1417 ppm	0.0006 ppm	29.1561 ppm
Concentration RSD	43.6 %	0.4 %	1.3 %	2.2 %	0.2 %	2.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0031 ppm	0.1431 ppm	0.0594 ppm	37.8070 ppm	1.2545 ppm	0.0142 ppm
Concentration per Run 1	0.0008 ppm	0.0039 ppm	0.1424 ppm	0.0595 ppm	37.9276 ppm	1.2657 ppm	0.0142 ppm
Concentration per Run 2	0.0009 ppm	0.0025 ppm	0.1436 ppm	0.0595 ppm	37.6824 ppm	1.2445 ppm	0.0140 ppm
Concentration per Run 3	0.0008 ppm	0.0029 ppm	0.1433 ppm	0.0592 ppm	37.8110 ppm	1.2532 ppm	0.0143 ppm
Concentration RSD	8.8 %	22.2 %	0.5 %	0.3 %	0.3 %	0.9 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.3538 ppm	5.3733 ppm	0.0030 ppm	0.5883 ppm	0.0177 ppm	0.0874 ppm	0.0029 ppm
Concentration per Run 1	2.3600 ppm	5.3950 ppm	0.0027 ppm	0.5923 ppm	0.0171 ppm	0.0887 ppm	0.0024 ppm
Concentration per Run 2	2.3507 ppm	5.3705 ppm	0.0035 ppm	0.5849 ppm	0.0177 ppm	0.0874 ppm	0.0031 ppm
Concentration per Run 3	2.3507 ppm	5.3542 ppm	0.0027 ppm	0.5879 ppm	0.0182 ppm	0.0861 ppm	0.0032 ppm
Concentration RSD	0.2 %	0.4 %	14.7 %	0.6 %	3.0 %	1.5 %	14.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	1.1276 ppm	0.0132 ppm	0.0589 ppm	2.5523 ppm	-0.0041 ppm	0.1236 ppm
Concentration per Run 1	0.0003 ppm	1.1270 ppm	0.0131 ppm	0.0591 ppm	2.5434 ppm	-0.0043 ppm	0.1242 ppm
Concentration per Run 2	-0.0034 ppm	1.1295 ppm	0.0130 ppm	0.0588 ppm	2.5601 ppm	-0.0038 ppm	0.1239 ppm
Concentration per Run 3	-0.0004 ppm	1.1262 ppm	0.0134 ppm	0.0587 ppm	2.5535 ppm	-0.0041 ppm	0.1227 ppm
Concentration RSD	173.8 %	0.2 %	1.7 %	0.4 %	0.3 %	6.6 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1667 ppm	101.0009 %	102.7628 %	95.9003 %	101.2315 %	102.7034 %	101.1091 %
Concentration per Run 1	0.1664 ppm	101.7163 %	102.9383 %	96.5730 %	101.3661 %	103.1232 %	101.7181 %
Concentration per Run 2	0.1673 ppm	100.2451 %	102.8137 %	95.1529 %	100.2923 %	102.7001 %	100.3133 %
Concentration per Run 3	0.1664 ppm	101.0413 %	102.5366 %	95.9750 %	102.0359 %	102.2868 %	101.2960 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.7 %	0.9 %	0.4 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 8:20:30 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4637 ppm	0.4547 ppm	0.4706 ppm	0.4773 ppm	0.4915 ppm	0.4887 ppm	0.4684 ppm
Concentration per Run 1	0.4622 ppm	0.4545 ppm	0.4709 ppm	0.4773 ppm	0.4919 ppm	0.4898 ppm	0.4720 ppm
Concentration per Run 2	0.4645 ppm	0.4546 ppm	0.4697 ppm	0.4782 ppm	0.4924 ppm	0.4875 ppm	0.4678 ppm
Concentration per Run 3	0.4644 ppm	0.4551 ppm	0.4711 ppm	0.4763 ppm	0.4900 ppm	0.4889 ppm	0.4655 ppm
Recovery Percentage 1	92.743 %	90.943 %	94.121 %	95.457 %	98.291 %	97.748 %	93.689 %
Concentration RSD	0.3 %	0.1 %	0.2 %	0.2 %	0.3 %	0.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4618 ppm	0.4846 ppm	0.5063 ppm	0.4636 ppm	0.4881 ppm	4.9240 ppm	0.4980 ppm
Concentration per Run 1	0.4606 ppm	0.4834 ppm	0.5061 ppm	0.4622 ppm	0.4893 ppm	4.9639 ppm	0.5011 ppm
Concentration per Run 2	0.4615 ppm	0.4851 ppm	0.5071 ppm	0.4640 ppm	0.4837 ppm	4.9028 ppm	0.4976 ppm
Concentration per Run 3	0.4632 ppm	0.4853 ppm	0.5055 ppm	0.4645 ppm	0.4914 ppm	4.9051 ppm	0.4952 ppm
Recovery Percentage 1	92.351 %	96.919 %	101.254 %	92.717 %	97.624 %	98.479 %	99.594 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.3 %	0.8 %	0.7 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4918 ppm	0.4794 ppm	0.4892 ppm	9.7270 ppm	0.5135 ppm	0.4967 ppm	0.4567 ppm
Concentration per Run 1	0.4927 ppm	0.4828 ppm	0.4886 ppm	9.7358 ppm	0.5118 ppm	0.4977 ppm	0.4530 ppm
Concentration per Run 2	0.4947 ppm	0.4754 ppm	0.4890 ppm	9.7531 ppm	0.5148 ppm	0.4967 ppm	0.4543 ppm
Concentration per Run 3	0.4881 ppm	0.4801 ppm	0.4898 ppm	9.6920 ppm	0.5140 ppm	0.4957 ppm	0.4628 ppm
Recovery Percentage 1	98.361 %	95.882 %	97.831 %	97.270 %	102.706 %	99.340 %	91.337 %
Concentration RSD	0.7 %	0.8 %	0.1 %	0.3 %	0.3 %	0.2 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4711 ppm	4.8946 ppm	0.5010 ppm	0.4899 ppm	0.5027 ppm	0.4949 ppm	0.4692 ppm
Concentration per Run 1	0.4702 ppm	4.8764 ppm	0.5007 ppm	0.4924 ppm	0.5058 ppm	0.4939 ppm	0.4665 ppm
Concentration per Run 2	0.4700 ppm	4.9060 ppm	0.5002 ppm	0.4885 ppm	0.5017 ppm	0.4962 ppm	0.4714 ppm
Concentration per Run 3	0.4732 ppm	4.9015 ppm	0.5021 ppm	0.4887 ppm	0.5007 ppm	0.4946 ppm	0.4698 ppm
Recovery Percentage 1	94.224 %	93.231 %	100.205 %	97.975 %	100.545 %	98.977 %	93.849 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.4 %	0.5 %	0.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5071 ppm	101.5266 %	103.0021 %	97.4286 %	99.2613 %	101.3633 %	99.5982 %
Concentration per Run 1	0.5053 ppm	101.6500 %	102.8075 %	97.3468 %	100.1135 %	101.5610 %	99.4189 %
Concentration per Run 2	0.5069 ppm	101.3727 %	103.2199 %	97.2947 %	99.1369 %	101.1354 %	99.4671 %
Concentration per Run 3	0.5090 ppm	101.5571 %	102.9790 %	97.6443 %	98.5334 %	101.3935 %	99.9084 %
Recovery Percentage 1	101.412 %						
Concentration RSD	0.4 %	0.1 %	0.2 %	0.2 %	0.8 %	0.2 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 8:23:44 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0048 ppm	-0.0005 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	-0.0002 ppm	-0.0078 ppm	-0.0004 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	-0.0061 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0006 ppm	-0.0012 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0032 ppm
Recovery Percentage 1	-1.512 %	-4.820 %	-10.617 %	-1.892 %	-0.510 %	-0.214 %	1.678 %
Concentration RSD	137.4 %	77.6 %	115.6 %	94.0 %	42.0 %	249.3 %	81.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0004 ppm	0.0018 ppm	-0.0098 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	-0.0006 ppm	-0.0001 ppm	-0.0005 ppm	0.0018 ppm	-0.0119 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0013 ppm	-0.0122 ppm	-0.0001 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	-0.0004 ppm	0.0022 ppm	-0.0054 ppm	0.0008 ppm
Recovery Percentage 1	0.798 %	-1.181 %	-2.066 %	-4.176 %	3.523 %	-0.394 %	4.644 %
Concentration RSD	145.0 %	117.3 %	31.2 %	25.0 %	25.4 %	38.9 %	210.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0022 ppm	-0.0081 ppm	-0.0003 ppm	-0.0001 ppm	0.0020 ppm
Concentration per Run 1	0.0003 ppm	0.0007 ppm	0.0021 ppm	-0.0076 ppm	-0.0004 ppm	0.0002 ppm	0.0019 ppm
Concentration per Run 2	0.0006 ppm	0.0005 ppm	0.0022 ppm	-0.0079 ppm	0.0001 ppm	-0.0011 ppm	0.0021 ppm
Concentration per Run 3	-0.0006 ppm	0.0005 ppm	0.0023 ppm	-0.0089 ppm	-0.0005 ppm	0.0005 ppm	0.0019 ppm
Recovery Percentage 1	0.099 %	5.737 %	4.366 %	-0.406 %	-1.082 %	-1.219 %	3.943 %
Concentration RSD	599.7 %	14.1 %	5.2 %	8.7 %	109.8 %	682.7 %	3.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm	-0.0001 ppm
Concentration per Run 1	0.0006 ppm	-0.0002 ppm	-0.0011 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 2	-0.0011 ppm	0.0014 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 3	-0.0003 ppm	-0.0006 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	-2.505 %	0.037 %	0.274 %	0.034 %	2.953 %	1.170 %	-0.557 %
Concentration RSD	330.2 %	569.8 %	761.5 %	1,235.6 %	69.3 %	110.4 %	183.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	100.3249 %	102.1285 %	98.3568 %	100.9883 %	102.2454 %	100.9915 %
Concentration per Run 1	0.0001 ppm	99.9265 %	102.3158 %	98.0089 %	101.0451 %	102.2876 %	100.9827 %
Concentration per Run 2	-0.0002 ppm	100.5726 %	102.5084 %	98.3336 %	101.0168 %	102.4129 %	100.9342 %
Concentration per Run 3	-0.0001 ppm	100.4755 %	101.5612 %	98.7281 %	100.9029 %	102.0356 %	101.0576 %
Recovery Percentage 1	-1.053 %						
Concentration RSD	255.7 %	0.3 %	0.5 %	0.4 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083254-1 WG2083254
Analysis started at: 6/26/2025 8:47:26 PM
Rack 2
Vial 50
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0015 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0171 ppm
Concentration per Run 1	0.0001 ppm	0.0022 ppm	-0.0018 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0180 ppm
Concentration per Run 2	0.0000 ppm	0.0024 ppm	0.0006 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0156 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0178 ppm
Recovery Percentage 1	1.072 %	1.526 %	1.721 %	0.729 %	-0.444 %	0.210 %	17.140 %
Concentration RSD	32.3 %	87.4 %	1,996.0 %	188.6 %	50.0 %	276.7 %	7.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0133 ppm	-0.0035 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0003 ppm	0.0129 ppm	-0.0072 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0132 ppm	-0.0013 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0003 ppm	-0.0002 ppm	0.0139 ppm	-0.0019 ppm	0.0005 ppm
Recovery Percentage 1	0.009 %	-1.061 %	2.763 %	-1.981 %	26.659 %	-0.139 %	8.135 %
Concentration RSD	8,614.6 %	70.5 %	31.7 %	47.7 %	3.7 %	93.1 %	58.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0043 ppm	0.0003 ppm	0.0001 ppm	0.0029 ppm	0.0001 ppm	0.0003 ppm	0.0020 ppm
Concentration per Run 1	0.0049 ppm	0.0004 ppm	0.0002 ppm	0.0028 ppm	0.0005 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run 2	0.0044 ppm	0.0002 ppm	-0.0001 ppm	0.0046 ppm	-0.0002 ppm	0.0003 ppm	0.0022 ppm
Concentration per Run 3	0.0036 ppm	0.0003 ppm	0.0002 ppm	0.0014 ppm	0.0000 ppm	0.0005 ppm	0.0026 ppm
Recovery Percentage 1	4.299 %	3.286 %	0.190 %	0.146 %	0.310 %	3.493 %	3.941 %
Concentration RSD	15.1 %	35.4 %	163.8 %	54.5 %	475.8 %	49.7 %	36.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0090 ppm	0.0063 ppm	0.0000 ppm	0.0001 ppm	-0.0016 ppm	0.0000 ppm
Concentration per Run 1	0.0029 ppm	0.0080 ppm	0.0062 ppm	0.0000 ppm	0.0002 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run 2	0.0008 ppm	0.0095 ppm	0.0060 ppm	0.0000 ppm	0.0001 ppm	-0.0020 ppm	0.0000 ppm
Concentration per Run 3	-0.0003 ppm	0.0096 ppm	0.0066 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm	0.0001 ppm
Recovery Percentage 1	11.303 %	1.804 %	12.553 %	-0.202 %	0.936 %	-7.754 %	0.185 %
Concentration RSD	146.8 %	10.2 %	5.1 %	237.6 %	62.0 %	29.6 %	371.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	103.8255 %	102.4382 %	99.2254 %	102.9438 %	101.9231 %	101.9265 %
Concentration per Run 1	0.0008 ppm	103.9749 %	102.8451 %	98.1778 %	103.3913 %	102.5925 %	101.0765 %
Concentration per Run 2	0.0008 ppm	103.7945 %	101.8839 %	99.3333 %	102.4718 %	101.3366 %	101.9232 %
Concentration per Run 3	0.0008 ppm	103.7071 %	102.5856 %	100.1649 %	102.9682 %	101.8403 %	102.7797 %
Recovery Percentage 1	16.481 %						
Concentration RSD	1.8 %	0.1 %	0.5 %	1.0 %	0.4 %	0.6 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083254-2D2 WG2083254
Analysis started at: 6/26/2025 8:50:56 PM
Rack 2
Vial 51
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0504 ppm	2.1578 ppm	0.1170 ppm	0.9611 ppm	2.1662 ppm	0.0541 ppm	9.5596 ppm
Concentration per Run 1	0.0503 ppm	2.1646 ppm	0.1170 ppm	0.9568 ppm	2.1620 ppm	0.0540 ppm	9.5367 ppm
Concentration per Run 2	0.0503 ppm	2.1495 ppm	0.1171 ppm	0.9670 ppm	2.1579 ppm	0.0539 ppm	9.5741 ppm
Concentration per Run 3	0.0507 ppm	2.1594 ppm	0.1168 ppm	0.9594 ppm	2.1785 ppm	0.0543 ppm	9.5680 ppm
Concentration RSD	0.5 %	0.4 %	0.1 %	0.6 %	0.5 %	0.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0474 ppm	0.5139 ppm	0.2177 ppm	0.2529 ppm	1.0659 ppm	10.0510 ppm	0.0006 ppm
Concentration per Run 1	0.0473 ppm	0.5119 ppm	0.2167 ppm	0.2530 ppm	1.0632 ppm	10.0553 ppm	0.0007 ppm
Concentration per Run 2	0.0475 ppm	0.5169 ppm	0.2180 ppm	0.2539 ppm	1.0639 ppm	9.9813 ppm	0.0009 ppm
Concentration per Run 3	0.0473 ppm	0.5130 ppm	0.2184 ppm	0.2518 ppm	1.0705 ppm	10.1164 ppm	0.0001 ppm
Concentration RSD	0.3 %	0.5 %	0.4 %	0.4 %	0.4 %	0.7 %	69.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.8480 ppm	0.5225 ppm	0.9859 ppm	10.2581 ppm	0.5533 ppm	0.5260 ppm	0.4546 ppm
Concentration per Run 1	9.8135 ppm	0.5229 ppm	0.9847 ppm	10.3129 ppm	0.5506 ppm	0.5236 ppm	0.4518 ppm
Concentration per Run 2	9.8534 ppm	0.5231 ppm	0.9878 ppm	10.2422 ppm	0.5547 ppm	0.5271 ppm	0.4553 ppm
Concentration per Run 3	9.8770 ppm	0.5215 ppm	0.9853 ppm	10.2190 ppm	0.5546 ppm	0.5272 ppm	0.4567 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.5 %	0.4 %	0.4 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1161 ppm	0.7224 ppm	1.0050 [SIC 20]	0.9684 ppm	1.0113 ppm	0.1176 ppm	0.5211 ppm
Concentration per Run 1	0.1156 ppm	0.7222 ppm	1.0023 ppm	0.9692 ppm	1.0087 ppm	0.1170 ppm	0.5185 ppm
Concentration per Run 2	0.1162 ppm	0.7270 ppm	1.0077 ppm	0.9635 ppm	1.0115 ppm	0.1172 ppm	0.5208 ppm
Concentration per Run 3	0.1165 ppm	0.7180 ppm	1.0048 ppm	0.9725 ppm	1.0138 ppm	0.1186 ppm	0.5241 ppm
Concentration RSD	0.4 %	0.6 %	0.3 %	0.5 %	0.3 %	0.7 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5488 ppm	100.3205 %	102.0801 %	94.3510 %	98.0730 %	100.4780 %	97.4702 %
Concentration per Run 1	0.5450 ppm	100.6437 %	102.4363 %	95.0673 %	98.8542 %	100.5405 %	98.1118 %
Concentration per Run 2	0.5500 ppm	99.9616 %	102.1276 %	94.1580 %	97.8866 %	100.6712 %	97.1621 %
Concentration per Run 3	0.5515 ppm	100.3560 %	101.6764 %	93.8277 %	97.4783 %	100.2224 %	97.1368 %
Concentration RSD	0.6 %	0.3 %	0.4 %	0.7 %	0.7 %	0.2 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537687-01D2 WG2083254
Analysis started at: 6/26/2025 8:54:11 PM
Rack 2
Vial 57
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	57.5352 ppm	0.0279 ppm	0.0094 ppm	0.5684 ppm	0.0034 ppm	16.9505 ppm
Concentration per Run 1	0.0011 ppm	57.4509 ppm	0.0275 ppm	0.0089 ppm	0.5671 ppm	0.0033 ppm	17.3286 ppm
Concentration per Run 2	0.0011 ppm	57.8871 ppm	0.0284 ppm	0.0092 ppm	0.5714 ppm	0.0035 ppm	16.7098 ppm
Concentration per Run 3	0.0014 ppm	57.2676 ppm	0.0276 ppm	0.0101 ppm	0.5669 ppm	0.0035 ppm	16.8132 ppm
Concentration RSD	12.5 %	0.6 %	1.8 %	6.8 %	0.4 %	2.7 %	2.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0361 ppm	0.0906 ppm	0.1892 ppm	119.6714 ppm	3.6123 ppm	0.0550 ppm
Concentration per Run 1	0.0011 ppm	0.0358 ppm	0.0903 ppm	0.1890 ppm	120.6508 ppm	3.5917 ppm	0.0550 ppm
Concentration per Run 2	0.0011 ppm	0.0361 ppm	0.0904 ppm	0.1895 ppm	119.4662 ppm	3.6626 ppm	0.0560 ppm
Concentration per Run 3	0.0012 ppm	0.0363 ppm	0.0912 ppm	0.1891 ppm	118.8973 ppm	3.5825 ppm	0.0539 ppm
Concentration RSD	5.9 %	0.7 %	0.6 %	0.2 %	0.7 %	1.2 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.0241 ppm	2.6689 ppm	0.0075 ppm	0.5215 ppm	0.0806 ppm	5.7548 ppm	0.0503 ppm
Concentration per Run 1	12.0276 ppm	2.7053 ppm	0.0075 ppm	0.5180 ppm	0.0805 ppm	5.7548 ppm	0.0509 ppm
Concentration per Run 2	12.0523 ppm	2.6548 ppm	0.0079 ppm	0.5271 ppm	0.0806 ppm	5.7596 ppm	0.0502 ppm
Concentration per Run 3	11.9923 ppm	2.6465 ppm	0.0072 ppm	0.5195 ppm	0.0807 ppm	5.7500 ppm	0.0499 ppm
Concentration RSD	0.3 %	1.2 %	4.7 %	0.9 %	0.1 %	0.1 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	4.1447 ppm	0.6893 ppm	0.1263 ppm	1.3911 ppm	-0.0005 ppm	0.1023 ppm
Concentration per Run 1	-0.0012 ppm	4.1137 ppm	0.6863 ppm	0.1243 ppm	1.3960 ppm	-0.0006 ppm	0.1029 ppm
Concentration per Run 2	-0.0009 ppm	4.1684 ppm	0.6889 ppm	0.1279 ppm	1.3922 ppm	-0.0007 ppm	0.1020 ppm
Concentration per Run 3	0.0000 ppm	4.1521 ppm	0.6928 ppm	0.1267 ppm	1.3850 ppm	-0.0002 ppm	0.1021 ppm
Concentration RSD	92.0 %	0.7 %	0.5 %	1.5 %	0.4 %	54.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3884 ppm	101.2438 %	102.4320 %	92.3590 %	123.2373 %	125.0403 %	123.2624 %
Concentration per Run 1	0.3859 ppm	101.9930 %	99.5220 %	92.9518 %	123.3370 %	122.7370 %	124.0203 %
Concentration per Run 2	0.3886 ppm	101.2532 %	103.9375 %	92.2827 %	123.5827 %	125.8605 %	123.1775 %
Concentration per Run 3	0.3908 ppm	100.4852 %	103.8366 %	91.8424 %	122.7922 %	126.5235 %	122.5895 %
Concentration RSD	0.6 %	0.7 %	2.5 %	0.6 %	0.3 %	1.6 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537709-01D2 WG2083254
Analysis started at: 6/26/2025 8:57:25 PM
Rack 2
Vial 58
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	107.1320 ppm	0.0764 ppm	0.0076 ppm	0.5202 ppm	0.0033 ppm	38.2458 ppm
Concentration per Run 1	-0.0007 ppm	107.5289 ppm	0.0764 ppm	0.0087 ppm	0.5213 ppm	0.0033 ppm	38.3683 ppm
Concentration per Run 2	-0.0007 ppm	107.0523 ppm	0.0774 ppm	0.0078 ppm	0.5199 ppm	0.0032 ppm	38.1351 ppm
Concentration per Run 3	-0.0002 ppm	106.8150 ppm	0.0754 ppm	0.0063 ppm	0.5193 ppm	0.0033 ppm	38.2340 ppm
Concentration RSD	47.9 %	0.3 %	1.3 %	16.2 %	0.2 %	0.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0063 ppm	0.0982 ppm	0.2864 ppm	0.2117 ppm	192.9823 ppm	11.2120 ppm	0.1981 ppm
Concentration per Run 1	0.0062 ppm	0.0981 ppm	0.2869 ppm	0.2114 ppm	193.9885 ppm	11.2569 ppm	0.2000 ppm
Concentration per Run 2	0.0061 ppm	0.0975 ppm	0.2858 ppm	0.2123 ppm	192.2147 ppm	11.2427 ppm	0.1985 ppm
Concentration per Run 3	0.0065 ppm	0.0989 ppm	0.2864 ppm	0.2115 ppm	192.7437 ppm	11.1363 ppm	0.1960 ppm
Concentration RSD	3.4 %	0.7 %	0.2 %	0.2 %	0.5 %	0.6 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	58.2028 ppm	6.3750 ppm	0.0074 ppm	9.1445 ppm	0.4062 ppm	0.3430 ppm	-0.0013 ppm
Concentration per Run 1	58.3457 ppm	6.4051 ppm	0.0070 ppm	9.1482 ppm	0.4070 ppm	0.3450 ppm	-0.0010 ppm
Concentration per Run 2	58.0504 ppm	6.3488 ppm	0.0075 ppm	9.1670 ppm	0.4057 ppm	0.3413 ppm	-0.0006 ppm
Concentration per Run 3	58.2123 ppm	6.3712 ppm	0.0078 ppm	9.1183 ppm	0.4058 ppm	0.3428 ppm	-0.0024 ppm
Concentration RSD	0.3 %	0.4 %	5.5 %	0.3 %	0.2 %	0.5 %	71.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0029 ppm	2.9376 ppm	0.0223 ppm	0.2813 ppm	2.5251 ppm	-0.0023 ppm	0.1250 ppm
Concentration per Run 1	-0.0017 ppm	2.9415 ppm	0.0221 ppm	0.2811 ppm	2.5241 ppm	-0.0027 ppm	0.1249 ppm
Concentration per Run 2	-0.0026 ppm	2.9513 ppm	0.0222 ppm	0.2811 ppm	2.5278 ppm	-0.0022 ppm	0.1248 ppm
Concentration per Run 3	-0.0044 ppm	2.9200 ppm	0.0225 ppm	0.2818 ppm	2.5234 ppm	-0.0021 ppm	0.1253 ppm
Concentration RSD	48.0 %	0.5 %	0.9 %	0.1 %	0.1 %	13.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9079 ppm	100.2638 %	104.4592 %	87.6389 %	130.2733 %	136.8058 %	129.7521 %
Concentration per Run 1	0.9130 ppm	100.0199 %	103.9992 %	87.4475 %	130.5260 %	136.5705 %	129.4372 %
Concentration per Run 2	0.9006 ppm	100.8382 %	104.8396 %	88.1049 %	130.8387 %	137.4187 %	130.0003 %
Concentration per Run 3	0.9101 ppm	99.9333 %	104.5389 %	87.3642 %	129.4551 %	136.4283 %	129.8190 %
Concentration RSD	0.7 %	0.5 %	0.4 %	0.5 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537709-02D2 WG2083254
Analysis started at: 6/26/2025 9:00:39 PM
Rack 2
Vial 59
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0012 ppm	90.0009 ppm	0.0588 ppm	0.0041 ppm	0.3719 ppm	0.0037 ppm	32.4994 ppm
Concentration per Run 1	-0.0013 ppm	89.6965 ppm	0.0589 ppm	0.0045 ppm	0.3712 ppm	0.0037 ppm	32.2799 ppm
Concentration per Run 2	-0.0013 ppm	90.3580 ppm	0.0593 ppm	0.0038 ppm	0.3720 ppm	0.0037 ppm	32.6694 ppm
Concentration per Run 3	-0.0011 ppm	89.9482 ppm	0.0581 ppm	0.0040 ppm	0.3725 ppm	0.0037 ppm	32.5487 ppm
Concentration RSD	6.7 %	0.4 %	1.0 %	8.2 %	0.2 %	0.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0022 ppm	0.0816 ppm	0.1673 ppm	0.1592 ppm	183.0746 ppm	9.5974 ppm	0.1589 ppm
Concentration per Run 1	0.0021 ppm	0.0817 ppm	0.1665 ppm	0.1588 ppm	182.1787 ppm	9.5718 ppm	0.1586 ppm
Concentration per Run 2	0.0023 ppm	0.0821 ppm	0.1685 ppm	0.1596 ppm	184.6027 ppm	9.6837 ppm	0.1606 ppm
Concentration per Run 3	0.0022 ppm	0.0810 ppm	0.1669 ppm	0.1592 ppm	182.4426 ppm	9.5368 ppm	0.1575 ppm
Concentration RSD	4.3 %	0.7 %	0.6 %	0.2 %	0.7 %	0.8 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.8085 ppm	7.0550 ppm	0.0056 ppm	6.0287 ppm	0.3120 ppm	0.1236 ppm	-0.0009 ppm
Concentration per Run 1	39.8541 ppm	7.0353 ppm	0.0056 ppm	6.0355 ppm	0.3110 ppm	0.1227 ppm	-0.0017 ppm
Concentration per Run 2	39.8531 ppm	7.0938 ppm	0.0061 ppm	6.0009 ppm	0.3141 ppm	0.1245 ppm	0.0014 ppm
Concentration per Run 3	39.7183 ppm	7.0358 ppm	0.0052 ppm	6.0498 ppm	0.3108 ppm	0.1236 ppm	-0.0022 ppm
Concentration RSD	0.2 %	0.5 %	7.6 %	0.4 %	0.6 %	0.7 %	225.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0015 ppm	2.6360 ppm	0.0138 ppm	0.2111 ppm	3.0548 ppm	-0.0031 ppm	0.1064 ppm
Concentration per Run 1	-0.0021 ppm	2.6534 ppm	0.0133 ppm	0.2112 ppm	3.0511 ppm	-0.0034 ppm	0.1066 ppm
Concentration per Run 2	-0.0038 ppm	2.6288 ppm	0.0152 ppm	0.2099 ppm	3.0660 ppm	-0.0029 ppm	0.1062 ppm
Concentration per Run 3	0.0014 ppm	2.6257 ppm	0.0129 ppm	0.2123 ppm	3.0473 ppm	-0.0030 ppm	0.1065 ppm
Concentration RSD	173.1 %	0.6 %	8.7 %	0.6 %	0.3 %	9.5 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4254 ppm	100.5305 %	104.6153 %	89.1000 %	126.0918 %	132.9713 %	126.6464 %
Concentration per Run 1	0.4275 ppm	100.0639 %	105.2838 %	89.0107 %	125.5750 %	133.3417 %	126.4117 %
Concentration per Run 2	0.4259 ppm	100.4835 %	104.5486 %	89.4340 %	126.2119 %	133.5298 %	126.9758 %
Concentration per Run 3	0.4229 ppm	101.0442 %	104.0134 %	88.8553 %	126.4885 %	132.0424 %	126.5517 %
Concentration RSD	0.6 %	0.5 %	0.6 %	0.3 %	0.4 %	0.6 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537653-03D2 WG2083254
Analysis started at: 6/26/2025 9:03:53 PM
Rack 2
Vial 52
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	49.9402 ppm	0.0179 ppm	0.0015 ppm	0.1559 ppm	0.0030 ppm	17.4117 ppm
Concentration per Run 1	0.0008 ppm	49.8993 ppm	0.0197 ppm	0.0018 ppm	0.1562 ppm	0.0031 ppm	17.2772 ppm
Concentration per Run 2	0.0003 ppm	50.0911 ppm	0.0161 ppm	0.0023 ppm	0.1550 ppm	0.0029 ppm	17.4686 ppm
Concentration per Run 3	0.0003 ppm	49.8300 ppm	0.0179 ppm	0.0003 ppm	0.1565 ppm	0.0030 ppm	17.4894 ppm
Concentration RSD	52.8 %	0.3 %	9.8 %	71.8 %	0.5 %	3.0 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0029 ppm	0.0724 ppm	0.1127 ppm	1.3388 ppm	138.0094 ppm	14.4517 ppm	0.1411 ppm
Concentration per Run 1	0.0030 ppm	0.0725 ppm	0.1130 ppm	1.3467 ppm	138.6576 ppm	14.5338 ppm	0.1417 ppm
Concentration per Run 2	0.0030 ppm	0.0729 ppm	0.1120 ppm	1.3353 ppm	137.1257 ppm	14.3149 ppm	0.1405 ppm
Concentration per Run 3	0.0026 ppm	0.0717 ppm	0.1130 ppm	1.3344 ppm	138.2449 ppm	14.5063 ppm	0.1410 ppm
Concentration RSD	7.7 %	0.9 %	0.5 %	0.5 %	0.6 %	0.8 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.0676 ppm	2.2143 ppm	0.0407 ppm	2.4534 ppm	0.1397 ppm	0.0793 ppm	-0.0021 ppm
Concentration per Run 1	31.0321 ppm	2.1988 ppm	0.0405 ppm	2.4450 ppm	0.1394 ppm	0.0800 ppm	-0.0031 ppm
Concentration per Run 2	31.2063 ppm	2.2254 ppm	0.0408 ppm	2.4618 ppm	0.1392 ppm	0.0782 ppm	0.0002 ppm
Concentration per Run 3	30.9646 ppm	2.2189 ppm	0.0407 ppm	2.4536 ppm	0.1406 ppm	0.0797 ppm	-0.0034 ppm
Concentration RSD	0.4 %	0.6 %	0.4 %	0.3 %	0.5 %	1.2 %	94.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0009 ppm	2.4248 ppm	0.0070 ppm	0.0533 ppm	2.0933 ppm	0.0003 ppm	0.0955 ppm
Concentration per Run 1	-0.0038 ppm	2.4427 ppm	0.0062 ppm	0.0535 ppm	2.0989 ppm	0.0002 ppm	0.0956 ppm
Concentration per Run 2	-0.0003 ppm	2.4276 ppm	0.0075 ppm	0.0529 ppm	2.0844 ppm	0.0002 ppm	0.0958 ppm
Concentration per Run 3	0.0015 ppm	2.4041 ppm	0.0074 ppm	0.0534 ppm	2.0967 ppm	0.0005 ppm	0.0952 ppm
Concentration RSD	305.9 %	0.8 %	10.1 %	0.6 %	0.4 %	58.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3669 ppm	98.5479 %	99.1191 %	87.9729 %	108.8874 %	118.7743 %	115.1463 %
Concentration per Run 1	0.3660 ppm	98.0709 %	99.7065 %	88.4059 %	106.7145 %	118.9917 %	115.9727 %
Concentration per Run 2	0.3681 ppm	97.9998 %	99.3866 %	88.1408 %	107.9822 %	119.5691 %	115.6425 %
Concentration per Run 3	0.3665 ppm	99.5730 %	98.2643 %	87.3719 %	111.9655 %	117.7622 %	113.8236 %
Concentration RSD	0.3 %	0.9 %	0.8 %	0.6 %	2.5 %	0.8 %	1.0 %

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083254-3D2 WG2083254
Analysis started at: 6/26/2025 9:07:08 PM
Rack 2
Vial 53
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0432 ppm	42.4099 ppm	0.1447 ppm	0.8981 ppm	2.2900 ppm	0.0547 ppm	21.2121 ppm
Concentration per Run 1	0.0434 ppm	42.5090 ppm	0.1444 ppm	0.9019 ppm	2.2957 ppm	0.0546 ppm	20.9423 ppm
Concentration per Run 2	0.0428 ppm	42.0453 ppm	0.1433 ppm	0.8887 ppm	2.2912 ppm	0.0549 ppm	21.2958 ppm
Concentration per Run 3	0.0436 ppm	42.6753 ppm	0.1464 ppm	0.9037 ppm	2.2829 ppm	0.0547 ppm	21.3983 ppm
Concentration RSD	1.0 %	0.8 %	1.1 %	0.9 %	0.3 %	0.3 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0486 ppm	0.5339 ppm	0.2879 ppm	0.6066 ppm	97.0512 ppm	21.8459 ppm	0.1187 ppm
Concentration per Run 1	0.0484 ppm	0.5319 ppm	0.2883 ppm	0.6061 ppm	96.4726 ppm	21.9226 ppm	0.1198 ppm
Concentration per Run 2	0.0486 ppm	0.5343 ppm	0.2872 ppm	0.6064 ppm	97.8911 ppm	21.9248 ppm	0.1191 ppm
Concentration per Run 3	0.0487 ppm	0.5354 ppm	0.2882 ppm	0.6072 ppm	96.7899 ppm	21.6902 ppm	0.1171 ppm
Concentration RSD	0.3 %	0.3 %	0.2 %	0.1 %	0.8 %	0.6 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.8578 ppm	1.9059 ppm	0.9245 ppm	11.3564 ppm	0.5816 ppm	0.5633 ppm	0.2508 ppm
Concentration per Run 1	30.9242 ppm	1.8817 ppm	0.9213 ppm	11.3965 ppm	0.5825 ppm	0.5627 ppm	0.2501 ppm
Concentration per Run 2	30.8475 ppm	1.9177 ppm	0.9235 ppm	11.2065 ppm	0.5765 ppm	0.5643 ppm	0.2492 ppm
Concentration per Run 3	30.8016 ppm	1.9183 ppm	0.9287 ppm	11.4663 ppm	0.5858 ppm	0.5628 ppm	0.2531 ppm
Concentration RSD	0.2 %	1.1 %	0.4 %	1.2 %	0.8 %	0.2 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1150 ppm	4.1596 ppm	0.8980 ppm	0.9532 ppm	2.7427 ppm	0.1111 ppm	0.5156 ppm
Concentration per Run 1	0.1170 ppm	4.1399 ppm	0.8993 ppm	0.9573 ppm	2.7456 ppm	0.1131 ppm	0.5154 ppm
Concentration per Run 2	0.1114 ppm	4.1541 ppm	0.8846 ppm	0.9525 ppm	2.7414 ppm	0.1102 ppm	0.5135 ppm
Concentration per Run 3	0.1165 ppm	4.1848 ppm	0.9100 ppm	0.9498 ppm	2.7410 ppm	0.1100 ppm	0.5177 ppm
Concentration RSD	2.7 %	0.6 %	1.4 %	0.4 %	0.1 %	1.5 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7668 ppm	98.0500 %	97.5058 %	88.6381 %	104.5940 %	111.4697 %	110.6567 %
Concentration per Run 1	0.7719 ppm	98.0290 %	99.1332 %	88.0504 %	104.7622 %	112.9297 %	109.9969 %
Concentration per Run 2	0.7556 ppm	98.0750 %	95.4177 %	89.3658 %	104.9942 %	108.5180 %	111.5219 %
Concentration per Run 3	0.7729 ppm	98.0459 %	97.9665 %	88.4980 %	104.0255 %	112.9615 %	110.4512 %
Concentration RSD	1.3 %	0.0 %	1.9 %	0.8 %	0.5 %	2.3 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083254-4D2 WG2083254
Analysis started at: 6/26/2025 9:10:22 PM
Rack 2
Vial 54
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0428 ppm	54.8695 ppm	0.1470 ppm	0.9240 ppm	2.3161 ppm	0.0567 ppm	26.1964 ppm
Concentration per Run 1	0.0424 ppm	54.9388 ppm	0.1475 ppm	0.9299 ppm	2.3187 ppm	0.0567 ppm	26.2679 ppm
Concentration per Run 2	0.0431 ppm	55.0006 ppm	0.1471 ppm	0.9148 ppm	2.3100 ppm	0.0566 ppm	26.1754 ppm
Concentration per Run 3	0.0429 ppm	54.6692 ppm	0.1465 ppm	0.9274 ppm	2.3196 ppm	0.0568 ppm	26.1459 ppm
Concentration RSD	0.8 %	0.3 %	0.3 %	0.9 %	0.2 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0515 ppm	0.5900 ppm	0.3011 ppm	1.4658 ppm	127.6544 ppm	25.2230 ppm	0.1558 ppm
Concentration per Run 1	0.0518 ppm	0.5944 ppm	0.3028 ppm	1.4580 ppm	127.4811 ppm	25.2636 ppm	0.1556 ppm
Concentration per Run 2	0.0517 ppm	0.5887 ppm	0.3004 ppm	1.4803 ppm	127.3498 ppm	25.1858 ppm	0.1569 ppm
Concentration per Run 3	0.0509 ppm	0.5869 ppm	0.3000 ppm	1.4591 ppm	128.1323 ppm	25.2195 ppm	0.1549 ppm
Concentration RSD	0.9 %	0.7 %	0.5 %	0.9 %	0.3 %	0.2 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.2366 ppm	2.5502 ppm	0.9759 ppm	12.3233 ppm	0.6551 ppm	0.5836 ppm	0.2238 ppm
Concentration per Run 1	38.5046 ppm	2.5472 ppm	0.9824 ppm	12.3620 ppm	0.6619 ppm	0.5819 ppm	0.2199 ppm
Concentration per Run 2	38.0989 ppm	2.5442 ppm	0.9741 ppm	12.3904 ppm	0.6482 ppm	0.5830 ppm	0.2265 ppm
Concentration per Run 3	38.1064 ppm	2.5591 ppm	0.9712 ppm	12.2176 ppm	0.6551 ppm	0.5858 ppm	0.2251 ppm
Concentration RSD	0.6 %	0.3 %	0.6 %	0.8 %	1.0 %	0.3 %	1.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1128 ppm	4.7851 ppm	0.9314 ppm	0.9867 ppm	3.1671 ppm	0.1148 ppm	0.5170 ppm
Concentration per Run 1	0.1132 ppm	4.7891 ppm	0.9410 ppm	0.9876 ppm	3.1767 ppm	0.1133 ppm	0.5159 ppm
Concentration per Run 2	0.1142 ppm	4.7839 ppm	0.9269 ppm	0.9858 ppm	3.1563 ppm	0.1155 ppm	0.5195 ppm
Concentration per Run 3	0.1110 ppm	4.7823 ppm	0.9261 ppm	0.9869 ppm	3.1683 ppm	0.1155 ppm	0.5155 ppm
Concentration RSD	1.5 %	0.1 %	0.9 %	0.1 %	0.3 %	1.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9663 ppm	97.9045 %	99.1987 %	87.0856 %	109.3253 %	120.2707 %	115.2441 %
Concentration per Run 1	0.9776 ppm	97.2135 %	98.8282 %	87.7149 %	109.8541 %	120.0616 %	115.9174 %
Concentration per Run 2	0.9624 ppm	98.1944 %	99.5685 %	86.6598 %	108.6146 %	121.1173 %	114.8838 %
Concentration per Run 3	0.9589 ppm	98.3056 %	99.1994 %	86.8821 %	109.5072 %	119.6333 %	114.9310 %
Concentration RSD	1.0 %	0.6 %	0.4 %	0.6 %	0.6 %	0.6 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083254-5D2 WG2083254
Analysis started at: 6/26/2025 9:13:36 PM
Rack 2
Vial 55
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0417 ppm	50.3102 ppm	0.1310 ppm	0.9033 ppm	2.1525 ppm	0.0538 ppm	26.6270 ppm
Concentration per Run 1	0.0414 ppm	50.4909 ppm	0.1333 ppm	0.9104 ppm	2.1421 ppm	0.0536 ppm	26.7881 ppm
Concentration per Run 2	0.0419 ppm	50.0918 ppm	0.1321 ppm	0.9011 ppm	2.1428 ppm	0.0535 ppm	26.6539 ppm
Concentration per Run 3	0.0419 ppm	50.3479 ppm	0.1276 ppm	0.8983 ppm	2.1727 ppm	0.0544 ppm	26.4390 ppm
Concentration RSD	0.7 %	0.4 %	2.3 %	0.7 %	0.8 %	0.9 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0487 ppm	0.5472 ppm	0.3062 ppm	1.5010 ppm	136.7224 ppm	23.1282 ppm	0.1344 ppm
Concentration per Run 1	0.0489 ppm	0.5473 ppm	0.3061 ppm	1.5031 ppm	135.8652 ppm	23.1588 ppm	0.1335 ppm
Concentration per Run 2	0.0482 ppm	0.5463 ppm	0.3056 ppm	1.5029 ppm	136.2458 ppm	23.0998 ppm	0.1347 ppm
Concentration per Run 3	0.0489 ppm	0.5480 ppm	0.3069 ppm	1.4969 ppm	138.0562 ppm	23.1261 ppm	0.1350 ppm
Concentration RSD	0.8 %	0.1 %	0.2 %	0.2 %	0.9 %	0.1 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	39.1974 ppm	2.6744 ppm	0.9504 ppm	11.9326 ppm	0.6277 ppm	0.5613 ppm	0.3570 ppm
Concentration per Run 1	39.3428 ppm	2.6826 ppm	0.9519 ppm	12.0527 ppm	0.6302 ppm	0.5616 ppm	0.3534 ppm
Concentration per Run 2	39.0945 ppm	2.6632 ppm	0.9467 ppm	11.9654 ppm	0.6262 ppm	0.5633 ppm	0.3596 ppm
Concentration per Run 3	39.1548 ppm	2.6774 ppm	0.9525 ppm	11.7797 ppm	0.6268 ppm	0.5592 ppm	0.3580 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	1.2 %	0.3 %	0.4 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1135 ppm	3.0273 ppm	0.9148 ppm	0.9568 ppm	2.9675 ppm	0.1101 ppm	0.5086 ppm
Concentration per Run 1	0.1145 ppm	3.0467 ppm	0.9216 ppm	0.9489 ppm	2.9589 ppm	0.1109 ppm	0.5084 ppm
Concentration per Run 2	0.1143 ppm	3.0168 ppm	0.9092 ppm	0.9529 ppm	2.9722 ppm	0.1104 ppm	0.5083 ppm
Concentration per Run 3	0.1119 ppm	3.0185 ppm	0.9137 ppm	0.9686 ppm	2.9715 ppm	0.1090 ppm	0.5090 ppm
Concentration RSD	1.3 %	0.6 %	0.7 %	1.1 %	0.3 %	0.9 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8571 ppm	98.3339 %	97.7521 %	87.7550 %	108.1778 %	117.9258 %	114.4948 %
Concentration per Run 1	0.8656 ppm	98.0382 %	97.3587 %	87.7681 %	108.5618 %	117.9595 %	114.4361 %
Concentration per Run 2	0.8484 ppm	98.8275 %	98.3082 %	87.6431 %	108.6492 %	117.5293 %	114.5811 %
Concentration per Run 3	0.8574 ppm	98.1359 %	97.5894 %	87.8537 %	107.3224 %	118.2886 %	114.4671 %
Concentration RSD	1.0 %	0.4 %	0.5 %	0.1 %	0.7 %	0.3 %	0.1 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: WG2083254-6D10 WG2083254
Analysis started at: 6/26/2025 9:16:50 PM
Rack 2
Vial 56
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	10.2762 ppm	0.0034 ppm	0.0004 ppm	0.0318 ppm	0.0007 ppm	3.5414 ppm
Concentration per Run 1	0.0000 ppm	10.2716 ppm	0.0035 ppm	0.0011 ppm	0.0320 ppm	0.0007 ppm	3.5606 ppm
Concentration per Run 2	-0.0002 ppm	10.3006 ppm	0.0034 ppm	-0.0008 ppm	0.0319 ppm	0.0007 ppm	3.5349 ppm
Concentration per Run 3	0.0004 ppm	10.2564 ppm	0.0033 ppm	0.0008 ppm	0.0315 ppm	0.0007 ppm	3.5288 ppm
Concentration RSD	688.5 %	0.2 %	2.5 %	277.7 %	0.7 %	2.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0146 ppm	0.0236 ppm	0.3069 ppm	29.6789 ppm	2.8713 ppm	0.0289 ppm
Concentration per Run 1	0.0005 ppm	0.0148 ppm	0.0237 ppm	0.3074 ppm	29.9456 ppm	2.8676 ppm	0.0289 ppm
Concentration per Run 2	0.0005 ppm	0.0142 ppm	0.0234 ppm	0.3083 ppm	29.6528 ppm	2.8859 ppm	0.0285 ppm
Concentration per Run 3	0.0004 ppm	0.0146 ppm	0.0237 ppm	0.3050 ppm	29.4384 ppm	2.8603 ppm	0.0293 ppm
Concentration RSD	14.3 %	2.1 %	0.8 %	0.6 %	0.9 %	0.5 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.7941 ppm	0.4553 ppm	0.0124 ppm	0.4876 ppm	0.0305 ppm	0.0169 ppm	0.0023 ppm
Concentration per Run 1	6.8019 ppm	0.4596 ppm	0.0124 ppm	0.4849 ppm	0.0311 ppm	0.0168 ppm	0.0024 ppm
Concentration per Run 2	6.8240 ppm	0.4560 ppm	0.0127 ppm	0.4895 ppm	0.0310 ppm	0.0174 ppm	0.0016 ppm
Concentration per Run 3	6.7563 ppm	0.4504 ppm	0.0121 ppm	0.4886 ppm	0.0295 ppm	0.0167 ppm	0.0031 ppm
Concentration RSD	0.5 %	1.0 %	2.2 %	0.5 %	2.9 %	2.2 %	31.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.4830 ppm	0.0024 ppm	0.0111 ppm	0.4483 ppm	0.0005 ppm	0.0227 ppm
Concentration per Run 1	0.0010 ppm	0.4833 ppm	0.0024 ppm	0.0111 ppm	0.4478 ppm	0.0001 ppm	0.0228 ppm
Concentration per Run 2	0.0013 ppm	0.4842 ppm	0.0026 ppm	0.0112 ppm	0.4498 ppm	0.0014 ppm	0.0229 ppm
Concentration per Run 3	0.0012 ppm	0.4815 ppm	0.0021 ppm	0.0110 ppm	0.4472 ppm	0.0000 ppm	0.0223 ppm
Concentration RSD	13.2 %	0.3 %	12.3 %	0.7 %	0.3 %	165.1 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0788 ppm	101.9877 %	102.8215 %	96.9397 %	105.0559 %	105.9474 %	104.4001 %
Concentration per Run 1	0.0788 ppm	101.4325 %	102.4903 %	96.4935 %	104.3751 %	105.8287 %	104.2346 %
Concentration per Run 2	0.0795 ppm	101.7183 %	102.6138 %	97.3932 %	104.2351 %	105.6555 %	104.7023 %
Concentration per Run 3	0.0782 ppm	102.8122 %	103.3605 %	96.9324 %	106.5575 %	106.3578 %	104.2634 %
Concentration RSD	0.9 %	0.7 %	0.5 %	0.5 %	1.2 %	0.3 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 9:20:05 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4608 ppm	0.4585 ppm	0.4694 ppm	0.4750 ppm	0.4887 ppm	0.4888 ppm	0.4696 ppm
Concentration per Run 1	0.4597 ppm	0.4596 ppm	0.4693 ppm	0.4793 ppm	0.4856 ppm	0.4868 ppm	0.4712 ppm
Concentration per Run 2	0.4620 ppm	0.4586 ppm	0.4696 ppm	0.4720 ppm	0.4895 ppm	0.4886 ppm	0.4685 ppm
Concentration per Run 3	0.4608 ppm	0.4574 ppm	0.4695 ppm	0.4737 ppm	0.4910 ppm	0.4909 ppm	0.4690 ppm
Recovery Percentage 1	92.164 %	91.709 %	93.886 %	95.001 %	97.739 %	97.756 %	93.911 %
Concentration RSD	0.3 %	0.2 %	0.0 %	0.8 %	0.6 %	0.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4596 ppm	0.4817 ppm	0.5042 ppm	0.4620 ppm	0.4902 ppm	4.8830 ppm	0.4926 ppm
Concentration per Run 1	0.4623 ppm	0.4843 ppm	0.5048 ppm	0.4627 ppm	0.4895 ppm	4.8553 ppm	0.4885 ppm
Concentration per Run 2	0.4568 ppm	0.4799 ppm	0.5038 ppm	0.4618 ppm	0.4889 ppm	4.9214 ppm	0.4948 ppm
Concentration per Run 3	0.4597 ppm	0.4809 ppm	0.5040 ppm	0.4615 ppm	0.4922 ppm	4.8724 ppm	0.4945 ppm
Recovery Percentage 1	91.916 %	96.340 %	100.842 %	92.398 %	98.038 %	97.660 %	98.516 %
Concentration RSD	0.6 %	0.5 %	0.1 %	0.1 %	0.4 %	0.7 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4891 ppm	0.4810 ppm	0.4887 ppm	9.5855 ppm	0.5110 ppm	0.4939 ppm	0.4556 ppm
Concentration per Run 1	0.4907 ppm	0.4814 ppm	0.4904 ppm	9.5802 ppm	0.5132 ppm	0.4923 ppm	0.4585 ppm
Concentration per Run 2	0.4898 ppm	0.4811 ppm	0.4870 ppm	9.6320 ppm	0.5099 ppm	0.4953 ppm	0.4510 ppm
Concentration per Run 3	0.4868 ppm	0.4805 ppm	0.4886 ppm	9.5445 ppm	0.5098 ppm	0.4942 ppm	0.4574 ppm
Recovery Percentage 1	97.822 %	96.202 %	97.737 %	95.855 %	102.197 %	98.784 %	91.126 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.5 %	0.4 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4723 ppm	4.8998 ppm	0.4970 ppm	0.4895 ppm	0.5022 ppm	0.4928 ppm	0.4671 ppm
Concentration per Run 1	0.4705 ppm	4.9124 ppm	0.4991 ppm	0.4846 ppm	0.5023 ppm	0.4899 ppm	0.4654 ppm
Concentration per Run 2	0.4719 ppm	4.8841 ppm	0.4941 ppm	0.4906 ppm	0.5017 ppm	0.4958 ppm	0.4681 ppm
Concentration per Run 3	0.4746 ppm	4.9028 ppm	0.4979 ppm	0.4932 ppm	0.5025 ppm	0.4926 ppm	0.4677 ppm
Recovery Percentage 1	94.462 %	93.329 %	99.406 %	97.900 %	100.439 %	98.555 %	93.412 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.9 %	0.1 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5034 ppm	102.4876 %	103.7869 %	97.4203 %	100.6641 %	101.9803 %	99.7032 %
Concentration per Run 1	0.5065 ppm	102.0509 %	104.3313 %	97.4696 %	100.5759 %	102.3831 %	99.7419 %
Concentration per Run 2	0.5001 ppm	102.9501 %	103.8708 %	97.2546 %	101.0629 %	102.0765 %	99.6569 %
Concentration per Run 3	0.5035 ppm	102.4617 %	103.1585 %	97.5368 %	100.3534 %	101.4814 %	99.7107 %
Recovery Percentage 1	100.675 %						
Concentration RSD	0.6 %	0.4 %	0.6 %	0.2 %	0.4 %	0.4 %	0.0 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 9:23:18 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0064 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	-0.0004 ppm	-0.0090 ppm	-0.0004 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 2	0.0001 ppm	-0.0060 ppm	-0.0003 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0019 ppm
Concentration per Run 3	0.0000 ppm	-0.0043 ppm	-0.0021 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm
Recovery Percentage 1	-1.560 %	-6.423 %	-18.295 %	-0.119 %	-0.184 %	0.159 %	0.232 %
Concentration RSD	240.3 %	37.5 %	113.6 %	1,956.5 %	293.8 %	470.0 %	1,185.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0021 ppm	-0.0052 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0006 ppm	-0.0003 ppm	0.0026 ppm	-0.0104 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	-0.0003 ppm	-0.0002 ppm	0.0017 ppm	0.0006 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	0.0019 ppm	-0.0058 ppm	-0.0001 ppm
Recovery Percentage 1	0.618 %	0.413 %	-3.864 %	-2.799 %	4.101 %	-0.208 %	6.472 %
Concentration RSD	95.3 %	435.4 %	38.7 %	29.7 %	23.8 %	106.3 %	116.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0003 ppm	0.0005 ppm	0.0029 ppm	-0.0078 ppm	-0.0001 ppm	-0.0001 ppm	0.0012 ppm
Concentration per Run 1	0.0011 ppm	0.0004 ppm	0.0028 ppm	-0.0064 ppm	0.0004 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 2	0.0006 ppm	0.0004 ppm	0.0027 ppm	-0.0080 ppm	-0.0006 ppm	0.0006 ppm	0.0019 ppm
Concentration per Run 3	-0.0009 ppm	0.0006 ppm	0.0032 ppm	-0.0091 ppm	-0.0001 ppm	-0.0009 ppm	0.0007 ppm
Recovery Percentage 1	0.272 %	4.851 %	5.809 %	-0.392 %	-0.384 %	-0.818 %	2.329 %
Concentration RSD	382.4 %	17.8 %	9.0 %	17.4 %	480.0 %	897.2 %	55.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.0035 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	-0.0004 ppm	0.0031 ppm	0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0026 ppm	0.0038 ppm	0.0010 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0003 ppm	0.0035 ppm	0.0008 ppm	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0000 ppm
Recovery Percentage 1	8.669 %	0.696 %	1.294 %	-0.482 %	4.053 %	3.258 %	0.125 %
Concentration RSD	179.5 %	9.7 %	65.3 %	80.3 %	58.2 %	27.1 %	976.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.4715 %	101.8809 %	98.4375 %	102.0470 %	102.0692 %	101.4444 %
Concentration per Run 1	0.0001 ppm	101.0293 %	101.6973 %	98.1699 %	101.7021 %	101.9084 %	101.2555 %
Concentration per Run 2	-0.0002 ppm	102.2881 %	101.3891 %	98.3339 %	102.5784 %	101.9481 %	101.5821 %
Concentration per Run 3	0.0001 ppm	101.0972 %	102.5563 %	98.8088 %	101.8605 %	102.3511 %	101.4955 %
Recovery Percentage 1	-0.124 %						
Concentration RSD	2,833.7 %	0.7 %	0.6 %	0.3 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2537709-03D2 WG2083254
Analysis started at: 6/26/2025 9:44:41 PM
Rack 2
Vial 60
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	109.1189 ppm	0.0739 ppm	0.0068 ppm	0.5583 ppm	0.0033 ppm	38.3857 ppm
Concentration per Run 1	-0.0001 ppm	108.9729 ppm	0.0723 ppm	0.0079 ppm	0.5591 ppm	0.0033 ppm	38.0755 ppm
Concentration per Run 2	-0.0006 ppm	109.1931 ppm	0.0739 ppm	0.0081 ppm	0.5598 ppm	0.0033 ppm	38.5114 ppm
Concentration per Run 3	-0.0005 ppm	109.1909 ppm	0.0754 ppm	0.0046 ppm	0.5561 ppm	0.0033 ppm	38.5703 ppm
Concentration RSD	59.7 %	0.1 %	2.1 %	28.5 %	0.3 %	0.3 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0062 ppm	0.0993 ppm	0.2348 ppm	0.2130 ppm	195.4829 ppm	11.8214 ppm	0.1982 ppm
Concentration per Run 1	0.0064 ppm	0.0995 ppm	0.2346 ppm	0.2131 ppm	195.3932 ppm	11.8499 ppm	0.1985 ppm
Concentration per Run 2	0.0062 ppm	0.0990 ppm	0.2357 ppm	0.2125 ppm	196.1332 ppm	11.7871 ppm	0.1987 ppm
Concentration per Run 3	0.0061 ppm	0.0992 ppm	0.2342 ppm	0.2134 ppm	194.9223 ppm	11.8271 ppm	0.1973 ppm
Concentration RSD	2.1 %	0.3 %	0.3 %	0.2 %	0.3 %	0.3 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	53.5754 ppm	8.0998 ppm	0.0093 ppm	10.1285 ppm	0.3387 ppm	0.3350 ppm	-0.0021 ppm
Concentration per Run 1	53.5820 ppm	8.0645 ppm	0.0089 ppm	10.1300 ppm	0.3376 ppm	0.3385 ppm	-0.0021 ppm
Concentration per Run 2	53.5911 ppm	8.1135 ppm	0.0094 ppm	10.0935 ppm	0.3383 ppm	0.3344 ppm	-0.0024 ppm
Concentration per Run 3	53.5530 ppm	8.1215 ppm	0.0097 ppm	10.1621 ppm	0.3401 ppm	0.3319 ppm	-0.0018 ppm
Concentration RSD	0.0 %	0.4 %	4.1 %	0.3 %	0.4 %	1.0 %	14.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	3.9773 ppm	0.0218 ppm	0.2921 ppm	2.7064 ppm	-0.0039 ppm	0.1268 ppm
Concentration per Run 1	0.0006 ppm	3.9841 ppm	0.0223 ppm	0.2926 ppm	2.6980 ppm	-0.0048 ppm	0.1267 ppm
Concentration per Run 2	-0.0027 ppm	3.9577 ppm	0.0223 ppm	0.2933 ppm	2.7132 ppm	-0.0029 ppm	0.1269 ppm
Concentration per Run 3	-0.0011 ppm	3.9900 ppm	0.0209 ppm	0.2903 ppm	2.7079 ppm	-0.0040 ppm	0.1268 ppm
Concentration RSD	154.5 %	0.4 %	3.7 %	0.5 %	0.3 %	24.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8546 ppm	102.5249 %	107.4659 %	89.0444 %	131.4531 %	139.3413 %	130.7005 %
Concentration per Run 1	0.8585 ppm	101.4558 %	107.8435 %	89.0140 %	129.8847 %	139.0808 %	131.0376 %
Concentration per Run 2	0.8554 ppm	102.9592 %	106.9188 %	88.5804 %	132.2718 %	139.5597 %	129.9027 %
Concentration per Run 3	0.8500 ppm	103.1598 %	107.6354 %	89.5387 %	132.2028 %	139.3835 %	131.1613 %
Concentration RSD	0.5 %	0.9 %	0.5 %	0.5 %	1.0 %	0.2 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538431-01D2 WG2083254
Analysis started at: 6/26/2025 9:48:02 PM
Rack 3
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	103.3297 ppm	0.0377 ppm	0.0176 ppm	1.0563 ppm	0.0027 ppm	133.2636 ppm
Concentration per Run 1	0.0004 ppm	103.3264 ppm	0.0365 ppm	0.0188 ppm	1.0577 ppm	0.0028 ppm	133.1588 ppm
Concentration per Run 2	0.0004 ppm	103.3613 ppm	0.0394 ppm	0.0167 ppm	1.0482 ppm	0.0027 ppm	133.4518 ppm
Concentration per Run 3	0.0002 ppm	103.3013 ppm	0.0373 ppm	0.0173 ppm	1.0629 ppm	0.0027 ppm	133.1803 ppm
Concentration RSD	30.1 %	0.0 %	4.0 %	6.1 %	0.7 %	2.0 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0080 ppm	0.0689 ppm	0.1964 ppm	0.2320 ppm	155.6564 ppm	21.2003 ppm	0.1263 ppm
Concentration per Run 1	0.0078 ppm	0.0688 ppm	0.1951 ppm	0.2313 ppm	155.9596 ppm	21.2992 ppm	0.1270 ppm
Concentration per Run 2	0.0081 ppm	0.0694 ppm	0.1964 ppm	0.2336 ppm	154.9777 ppm	21.0509 ppm	0.1247 ppm
Concentration per Run 3	0.0079 ppm	0.0684 ppm	0.1977 ppm	0.2311 ppm	156.0319 ppm	21.2509 ppm	0.1271 ppm
Concentration RSD	2.2 %	0.7 %	0.7 %	0.6 %	0.4 %	0.6 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	43.0620 ppm	2.5607 ppm	0.0040 ppm	2.5398 ppm	0.1458 ppm	2.3627 ppm	-0.0026 ppm
Concentration per Run 1	43.0805 ppm	2.5564 ppm	0.0042 ppm	2.5356 ppm	0.1444 ppm	2.3845 ppm	-0.0028 ppm
Concentration per Run 2	43.0259 ppm	2.5612 ppm	0.0042 ppm	2.5564 ppm	0.1465 ppm	2.3507 ppm	-0.0011 ppm
Concentration per Run 3	43.0797 ppm	2.5645 ppm	0.0037 ppm	2.5276 ppm	0.1465 ppm	2.3528 ppm	-0.0039 ppm
Concentration RSD	0.1 %	0.2 %	6.7 %	0.6 %	0.8 %	0.8 %	53.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0016 ppm	4.6575 ppm	0.1135 ppm	0.6447 ppm	6.5699 ppm	0.0016 ppm	0.2116 ppm
Concentration per Run 1	0.0031 ppm	4.6743 ppm	0.1134 ppm	0.6466 ppm	6.5592 ppm	0.0023 ppm	0.2117 ppm
Concentration per Run 2	0.0014 ppm	4.6687 ppm	0.1123 ppm	0.6395 ppm	6.5735 ppm	0.0005 ppm	0.2127 ppm
Concentration per Run 3	0.0002 ppm	4.6294 ppm	0.1149 ppm	0.6480 ppm	6.5769 ppm	0.0020 ppm	0.2104 ppm
Concentration RSD	92.2 %	0.5 %	1.1 %	0.7 %	0.1 %	61.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.4830 ppm	100.3808 %	100.6496 %	86.2650 %	107.4936 %	118.4032 %	112.4776 %
Concentration per Run 1	2.4910 ppm	100.7716 %	100.0672 %	86.3329 %	108.5877 %	117.5298 %	112.7162 %
Concentration per Run 2	2.4791 ppm	100.0070 %	101.0934 %	85.9071 %	105.6590 %	119.2322 %	111.8725 %
Concentration per Run 3	2.4789 ppm	100.3637 %	100.7884 %	86.5550 %	108.2343 %	118.4475 %	112.8443 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.4 %	1.5 %	0.7 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538431-02D2 WG2083254
Analysis started at: 6/26/2025 9:51:17 PM
Rack 3
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	70.2149 ppm	0.0363 ppm	0.0200 ppm	0.7459 ppm	0.0023 ppm	104.7195 ppm
Concentration per Run 1	0.0007 ppm	70.1317 ppm	0.0355 ppm	0.0194 ppm	0.7413 ppm	0.0022 ppm	104.5740 ppm
Concentration per Run 2	0.0000 ppm	70.1389 ppm	0.0364 ppm	0.0191 ppm	0.7481 ppm	0.0023 ppm	104.5047 ppm
Concentration per Run 3	-0.0001 ppm	70.3740 ppm	0.0370 ppm	0.0214 ppm	0.7482 ppm	0.0023 ppm	105.0798 ppm
Concentration RSD	237.8 %	0.2 %	2.2 %	6.3 %	0.5 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0058 ppm	0.0564 ppm	0.1305 ppm	0.1708 ppm	118.4097 ppm	16.8503 ppm	0.0967 ppm
Concentration per Run 1	0.0058 ppm	0.0563 ppm	0.1287 ppm	0.1699 ppm	117.8311 ppm	16.7077 ppm	0.0955 ppm
Concentration per Run 2	0.0057 ppm	0.0563 ppm	0.1312 ppm	0.1722 ppm	118.5806 ppm	16.9330 ppm	0.0973 ppm
Concentration per Run 3	0.0058 ppm	0.0567 ppm	0.1314 ppm	0.1701 ppm	118.8176 ppm	16.9102 ppm	0.0973 ppm
Concentration RSD	1.4 %	0.4 %	1.1 %	0.8 %	0.4 %	0.7 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.4817 ppm	2.1042 ppm	0.0033 ppm	2.6380 ppm	0.1052 ppm	1.2349 ppm	0.0354 ppm
Concentration per Run 1	34.4182 ppm	2.1004 ppm	0.0030 ppm	2.6400 ppm	0.1045 ppm	1.2293 ppm	0.0350 ppm
Concentration per Run 2	34.4827 ppm	2.1057 ppm	0.0034 ppm	2.6349 ppm	0.1053 ppm	1.2376 ppm	0.0371 ppm
Concentration per Run 3	34.5442 ppm	2.1065 ppm	0.0036 ppm	2.6391 ppm	0.1059 ppm	1.2379 ppm	0.0340 ppm
Concentration RSD	0.2 %	0.2 %	9.2 %	0.1 %	0.7 %	0.4 %	4.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	3.6626 ppm	0.0311 ppm	0.5528 ppm	5.2263 ppm	-0.0007 ppm	0.1918 ppm
Concentration per Run 1	-0.0006 ppm	3.6837 ppm	0.0303 ppm	0.5500 ppm	5.1803 ppm	0.0002 ppm	0.1911 ppm
Concentration per Run 2	0.0023 ppm	3.6492 ppm	0.0315 ppm	0.5546 ppm	5.2438 ppm	-0.0001 ppm	0.1924 ppm
Concentration per Run 3	0.0036 ppm	3.6550 ppm	0.0316 ppm	0.5537 ppm	5.2546 ppm	-0.0022 ppm	0.1919 ppm
Concentration RSD	123.2 %	0.5 %	2.3 %	0.4 %	0.8 %	180.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.3778 ppm	97.9940 %	105.9246 %	87.0611 %	99.5537 %	117.4607 %	107.3838 %
Concentration per Run 1	2.3528 ppm	98.6864 %	106.6350 %	86.9883 %	100.9050 %	118.3149 %	106.8848 %
Concentration per Run 2	2.3823 ppm	97.5979 %	105.6019 %	86.7366 %	98.4427 %	116.8174 %	107.1426 %
Concentration per Run 3	2.3982 ppm	97.6977 %	105.5370 %	87.4585 %	99.3133 %	117.2499 %	108.1241 %
Concentration RSD	1.0 %	0.6 %	0.6 %	0.4 %	1.3 %	0.7 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 9:54:31 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4623 ppm	0.4639 ppm	0.4736 ppm	0.4817 ppm	0.4912 ppm	0.4899 ppm	0.4731 ppm
Concentration per Run 1	0.4608 ppm	0.4619 ppm	0.4717 ppm	0.4836 ppm	0.4897 ppm	0.4900 ppm	0.4719 ppm
Concentration per Run 2	0.4604 ppm	0.4668 ppm	0.4735 ppm	0.4795 ppm	0.4916 ppm	0.4892 ppm	0.4692 ppm
Concentration per Run 3	0.4656 ppm	0.4630 ppm	0.4755 ppm	0.4821 ppm	0.4922 ppm	0.4906 ppm	0.4782 ppm
Recovery Percentage 1	92.455 %	92.781 %	94.715 %	96.345 %	98.234 %	97.986 %	94.620 %
Concentration RSD	0.6 %	0.6 %	0.4 %	0.4 %	0.3 %	0.1 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4638 ppm	0.4853 ppm	0.5103 ppm	0.4640 ppm	0.4918 ppm	4.9716 ppm	0.4990 ppm
Concentration per Run 1	0.4636 ppm	0.4853 ppm	0.5109 ppm	0.4637 ppm	0.4892 ppm	4.9772 ppm	0.4989 ppm
Concentration per Run 2	0.4639 ppm	0.4851 ppm	0.5109 ppm	0.4616 ppm	0.4917 ppm	4.9606 ppm	0.5002 ppm
Concentration per Run 3	0.4638 ppm	0.4854 ppm	0.5090 ppm	0.4666 ppm	0.4945 ppm	4.9772 ppm	0.4979 ppm
Recovery Percentage 1	92.759 %	97.056 %	102.054 %	92.798 %	98.361 %	99.433 %	99.799 %
Concentration RSD	0.0 %	0.0 %	0.2 %	0.5 %	0.5 %	0.2 %	0.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4946 ppm	0.4835 ppm	0.4936 ppm	9.7687 ppm	0.5193 ppm	0.4985 ppm	0.4560 ppm
Concentration per Run 1	0.4967 ppm	0.4835 ppm	0.4943 ppm	9.7334 ppm	0.5213 ppm	0.4976 ppm	0.4515 ppm
Concentration per Run 2	0.4941 ppm	0.4810 ppm	0.4944 ppm	9.7732 ppm	0.5189 ppm	0.4988 ppm	0.4555 ppm
Concentration per Run 3	0.4930 ppm	0.4861 ppm	0.4921 ppm	9.7994 ppm	0.5178 ppm	0.4991 ppm	0.4609 ppm
Recovery Percentage 1	98.918 %	96.707 %	98.715 %	97.687 %	103.864 %	99.697 %	91.192 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.3 %	0.3 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4758 ppm	4.9539 ppm	0.5078 ppm	0.4938 ppm	0.5093 ppm	0.4966 ppm	0.4689 ppm
Concentration per Run 1	0.4759 ppm	4.9603 ppm	0.5099 ppm	0.4924 ppm	0.5110 ppm	0.4956 ppm	0.4685 ppm
Concentration per Run 2	0.4785 ppm	4.9478 ppm	0.5078 ppm	0.4945 ppm	0.5096 ppm	0.4988 ppm	0.4664 ppm
Concentration per Run 3	0.4729 ppm	4.9535 ppm	0.5057 ppm	0.4945 ppm	0.5072 ppm	0.4954 ppm	0.4718 ppm
Recovery Percentage 1	95.154 %	94.360 %	101.557 %	98.759 %	101.853 %	99.319 %	93.785 %
Concentration RSD	0.6 %	0.1 %	0.4 %	0.2 %	0.4 %	0.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5133 ppm	100.5893 %	103.6108 %	96.2757 %	99.2573 %	102.4504 %	98.5810 %
Concentration per Run 1	0.5156 ppm	100.3176 %	104.0063 %	96.4312 %	99.5396 %	102.7546 %	98.7024 %
Concentration per Run 2	0.5128 ppm	100.4292 %	103.7497 %	95.5569 %	99.5724 %	102.4992 %	97.8092 %
Concentration per Run 3	0.5114 ppm	101.0210 %	103.0764 %	96.8391 %	98.6598 %	102.0974 %	99.2315 %
Recovery Percentage 1	102.655 %						
Concentration RSD	0.4 %	0.4 %	0.5 %	0.7 %	0.5 %	0.3 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 9:57:45 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0036 ppm	-0.0003 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	-0.0039 ppm	0.0002 ppm	-0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 2	-0.0001 ppm	-0.0011 ppm	-0.0012 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	0.0000 ppm	-0.0058 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	-0.0035 ppm
Recovery Percentage 1	-1.561 %	-3.580 %	-5.268 %	-1.867 %	0.355 %	0.480 %	-0.048 %
Concentration RSD	97.8 %	67.0 %	316.7 %	135.9 %	240.9 %	69.9 %	6,208.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0023 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0011 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	-0.0002 ppm	-0.0003 ppm	0.0025 ppm	-0.0035 ppm	-0.0001 ppm
Concentration per Run 3	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0031 ppm	0.0092 ppm	0.0003 ppm
Recovery Percentage 1	0.849 %	-0.072 %	-1.767 %	-2.444 %	4.509 %	0.053 %	3.961 %
Concentration RSD	82.9 %	1,241.3 %	103.0 %	21.5 %	44.9 %	519.6 %	117.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	0.0006 ppm	0.0025 ppm	-0.0064 ppm	-0.0004 ppm	-0.0002 ppm	0.0028 ppm
Concentration per Run 1	0.0010 ppm	0.0007 ppm	0.0026 ppm	-0.0069 ppm	-0.0005 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0024 ppm	-0.0046 ppm	-0.0003 ppm	-0.0003 ppm	0.0028 ppm
Concentration per Run 3	0.0000 ppm	0.0007 ppm	0.0026 ppm	-0.0078 ppm	-0.0006 ppm	-0.0004 ppm	0.0027 ppm
Recovery Percentage 1	0.355 %	6.406 %	5.055 %	-0.321 %	-1.784 %	-2.071 %	5.689 %
Concentration RSD	159.1 %	11.5 %	5.8 %	25.5 %	39.4 %	114.8 %	3.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0075 ppm	0.0006 ppm	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	-0.0004 ppm	0.0061 ppm	0.0010 ppm	0.0000 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	0.0077 ppm	0.0004 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	0.0000 ppm
Concentration per Run 3	-0.0012 ppm	0.0087 ppm	0.0004 ppm	-0.0001 ppm	0.0004 ppm	0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	-2.109 %	1.498 %	1.129 %	-0.414 %	6.157 %	2.332 %	-0.098 %
Concentration RSD	509.4 %	17.8 %	60.9 %	66.3 %	29.0 %	104.9 %	689.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.1776 %	102.6765 %	97.8302 %	101.5680 %	102.6526 %	100.8048 %
Concentration per Run 1	0.0000 ppm	101.0221 %	102.3380 %	98.1137 %	101.8688 %	102.1174 %	100.8457 %
Concentration per Run 2	0.0002 ppm	100.6566 %	102.8511 %	98.1764 %	101.7372 %	102.8802 %	101.3119 %
Concentration per Run 3	-0.0001 ppm	101.8542 %	102.8403 %	97.2006 %	101.0979 %	102.9602 %	100.2569 %
Recovery Percentage 1	0.474 %						
Concentration RSD	646.5 %	0.6 %	0.3 %	0.6 %	0.4 %	0.5 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-01 WG2083385
Analysis started at: 6/26/2025 10:19:08 PM
Rack 3
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0845 ppm	-0.0006 ppm	0.0214 ppm	0.1093 ppm	0.0006 ppm	16.8948 ppm
Concentration per Run 1	0.0000 ppm	0.0834 ppm	-0.0009 ppm	0.0213 ppm	0.1084 ppm	0.0006 ppm	16.7637 ppm
Concentration per Run 2	-0.0001 ppm	0.0866 ppm	-0.0006 ppm	0.0222 ppm	0.1109 ppm	0.0006 ppm	17.0195 ppm
Concentration per Run 3	0.0000 ppm	0.0834 ppm	-0.0004 ppm	0.0207 ppm	0.1086 ppm	0.0006 ppm	16.9013 ppm
Concentration RSD	9,085.3 %	2.2 %	42.6 %	3.4 %	1.3 %	0.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0540 ppm	0.0991 ppm	0.0040 ppm	0.0549 ppm	3.9680 ppm	0.0035 ppm
Concentration per Run 1	0.0008 ppm	0.0537 ppm	0.0990 ppm	0.0041 ppm	0.0545 ppm	3.8814 ppm	0.0035 ppm
Concentration per Run 2	0.0007 ppm	0.0539 ppm	0.0997 ppm	0.0040 ppm	0.0546 ppm	4.0678 ppm	0.0033 ppm
Concentration per Run 3	0.0007 ppm	0.0544 ppm	0.0986 ppm	0.0041 ppm	0.0555 ppm	3.9548 ppm	0.0037 ppm
Concentration RSD	9.5 %	0.7 %	0.6 %	1.5 %	1.0 %	2.4 %	4.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.5891 ppm	0.6456 ppm	0.0002 ppm	16.7642 ppm	0.1212 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 1	6.5622 ppm	0.6427 ppm	0.0002 ppm	16.4816 ppm	0.1214 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 2	6.6290 ppm	0.6510 ppm	0.0000 ppm	17.2355 ppm	0.1217 ppm	-0.0003 ppm	0.0027 ppm
Concentration per Run 3	6.5760 ppm	0.6432 ppm	0.0003 ppm	16.5756 ppm	0.1203 ppm	0.0006 ppm	0.0028 ppm
Concentration RSD	0.5 %	0.7 %	77.5 %	2.5 %	0.6 %	529.8 %	48.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	1.9471 ppm	-0.0019 ppm	0.1347 ppm	0.0015 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 1	-0.0001 ppm	1.9382 ppm	-0.0015 ppm	0.1335 ppm	0.0016 ppm	-0.0002 ppm	0.0018 ppm
Concentration per Run 2	-0.0005 ppm	1.9546 ppm	-0.0027 ppm	0.1368 ppm	0.0014 ppm	0.0003 ppm	0.0017 ppm
Concentration per Run 3	0.0000 ppm	1.9486 ppm	-0.0015 ppm	0.1338 ppm	0.0015 ppm	0.0000 ppm	0.0017 ppm
Concentration RSD	140.4 %	0.4 %	36.6 %	1.4 %	6.5 %	437.6 %	1.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4679 ppm	102.1418 %	103.6166 %	97.3049 %	101.5802 %	103.6440 %	100.1408 %
Concentration per Run 1	0.4683 ppm	102.0030 %	103.8302 %	97.5789 %	101.1803 %	103.2524 %	100.2808 %
Concentration per Run 2	0.4702 ppm	102.1907 %	102.9065 %	96.8157 %	101.9754 %	103.4520 %	99.8721 %
Concentration per Run 3	0.4651 ppm	102.2316 %	104.1130 %	97.5202 %	101.5848 %	104.2276 %	100.2696 %
Concentration RSD	0.5 %	0.1 %	0.6 %	0.4 %	0.4 %	0.5 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-02 WG2083385
Analysis started at: 6/26/2025 10:22:37 PM
Rack 3
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0024 ppm	-0.0012 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0104 ppm
Concentration per Run 1	0.0002 ppm	-0.0044 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0103 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	-0.0017 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0106 ppm
Concentration per Run 3	-0.0002 ppm	-0.0026 ppm	-0.0020 ppm	-0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0102 ppm
Concentration RSD	869.0 %	90.0 %	88.0 %	72.8 %	44.1 %	308.7 %	2.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0104 ppm	-0.0148 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0106 ppm	-0.0136 ppm	0.0005 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0101 ppm	-0.0181 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	-0.0007 ppm	0.0005 ppm	-0.0003 ppm	0.0104 ppm	-0.0128 ppm	0.0007 ppm
Concentration RSD	31.1 %	196.4 %	37.3 %	4,000.5 %	2.6 %	19.2 %	32.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0030 ppm	0.0002 ppm	0.0004 ppm	-0.0038 ppm	-0.0004 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0043 ppm	0.0002 ppm	0.0002 ppm	-0.0036 ppm	-0.0009 ppm	-0.0012 ppm	-0.0006 ppm
Concentration per Run 2	0.0016 ppm	0.0002 ppm	0.0004 ppm	-0.0049 ppm	-0.0003 ppm	0.0008 ppm	0.0007 ppm
Concentration per Run 3	0.0030 ppm	0.0002 ppm	0.0006 ppm	-0.0028 ppm	-0.0001 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	45.0 %	18.5 %	63.9 %	28.1 %	97.3 %	1,746.2 %	283.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0161 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm	-0.0002 ppm
Concentration per Run 1	-0.0007 ppm	0.0154 ppm	-0.0015 ppm	-0.0001 ppm	0.0000 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	0.0156 ppm	-0.0020 ppm	0.0000 ppm	-0.0001 ppm	-0.0014 ppm	-0.0003 ppm
Concentration per Run 3	0.0008 ppm	0.0172 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	0.0000 ppm
Concentration RSD	3,524.3 %	6.2 %	37.1 %	57.4 %	95.1 %	36.9 %	100.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	101.1092 %	105.4712 %	98.1345 %	100.4089 %	104.3181 %	100.2915 %
Concentration per Run 1	0.0006 ppm	100.5823 %	105.5958 %	98.9015 %	100.4598 %	104.9903 %	101.1229 %
Concentration per Run 2	0.0005 ppm	101.2265 %	105.2507 %	97.3268 %	99.8634 %	104.1577 %	99.5041 %
Concentration per Run 3	0.0005 ppm	101.5187 %	105.5671 %	98.1754 %	100.9034 %	103.8063 %	100.2474 %
Concentration RSD	11.7 %	0.5 %	0.2 %	0.8 %	0.5 %	0.6 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-03 WG2083385
Analysis started at: 6/26/2025 10:25:52 PM
Rack 3
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1365 ppm	-0.0002 ppm	0.0786 ppm	0.0961 ppm	0.0001 ppm	12.2157 ppm
Concentration per Run 1	-0.0002 ppm	0.1424 ppm	-0.0023 ppm	0.0789 ppm	0.0958 ppm	0.0000 ppm	12.2307 ppm
Concentration per Run 2	-0.0002 ppm	0.1349 ppm	0.0011 ppm	0.0788 ppm	0.0964 ppm	0.0001 ppm	12.1721 ppm
Concentration per Run 3	-0.0003 ppm	0.1322 ppm	0.0006 ppm	0.0780 ppm	0.0962 ppm	0.0000 ppm	12.2444 ppm
Concentration RSD	26.4 %	3.9 %	891.1 %	0.6 %	0.3 %	46.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.1950 ppm	0.0026 ppm	0.1447 ppm	8.8184 ppm	0.0024 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	0.1951 ppm	0.0023 ppm	0.1446 ppm	8.7235 ppm	0.0021 ppm
Concentration per Run 2	0.0001 ppm	0.0006 ppm	0.1952 ppm	0.0027 ppm	0.1438 ppm	8.8751 ppm	0.0023 ppm
Concentration per Run 3	0.0001 ppm	0.0008 ppm	0.1945 ppm	0.0029 ppm	0.1456 ppm	8.8567 ppm	0.0026 ppm
Concentration RSD	103.8 %	26.4 %	0.2 %	10.8 %	0.6 %	0.9 %	10.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.8025 ppm	0.0167 ppm	-0.0001 ppm	48.0382 ppm	0.0058 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 1	6.8101 ppm	0.0167 ppm	0.0000 ppm	47.7445 ppm	0.0058 ppm	-0.0001 ppm	0.0018 ppm
Concentration per Run 2	6.8135 ppm	0.0166 ppm	0.0001 ppm	48.2687 ppm	0.0060 ppm	0.0007 ppm	0.0012 ppm
Concentration per Run 3	6.7840 ppm	0.0166 ppm	-0.0003 ppm	48.1015 ppm	0.0055 ppm	0.0001 ppm	-0.0010 ppm
Concentration RSD	0.2 %	0.2 %	391.5 %	0.6 %	5.0 %	200.2 %	222.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	1.7859 ppm	-0.0010 ppm	0.0844 ppm	0.0032 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	1.7842 ppm	-0.0011 ppm	0.0843 ppm	0.0030 ppm	0.0019 ppm	0.0011 ppm
Concentration per Run 2	0.0014 ppm	1.7921 ppm	-0.0004 ppm	0.0843 ppm	0.0037 ppm	-0.0004 ppm	0.0012 ppm
Concentration per Run 3	0.0014 ppm	1.7814 ppm	-0.0013 ppm	0.0845 ppm	0.0029 ppm	-0.0002 ppm	0.0012 ppm
Concentration RSD	84.2 %	0.3 %	46.9 %	0.1 %	12.9 %	322.5 %	4.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0126 ppm	98.2735 %	103.8656 %	92.9850 %	96.7359 %	104.0763 %	97.2701 %
Concentration per Run 1	0.0124 ppm	98.4089 %	104.1494 %	92.7273 %	96.9910 %	104.5247 %	97.0072 %
Concentration per Run 2	0.0129 ppm	97.9249 %	104.5791 %	92.4513 %	96.0589 %	104.6628 %	96.9074 %
Concentration per Run 3	0.0125 ppm	98.4868 %	102.8683 %	93.7763 %	97.1579 %	103.0415 %	97.8959 %
Concentration RSD	2.0 %	0.3 %	0.9 %	0.8 %	0.6 %	0.9 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-04 WG2083385
Analysis started at: 6/26/2025 10:29:07 PM
Rack 3
Vial 6
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	1.3873 ppm	0.0149 ppm	0.0835 ppm	0.3412 ppm	0.0001 ppm	13.3832 ppm
Concentration per Run 1	-0.0008 ppm	1.3800 ppm	0.0151 ppm	0.0834 ppm	0.3397 ppm	0.0001 ppm	13.4893 ppm
Concentration per Run 2	-0.0006 ppm	1.3837 ppm	0.0150 ppm	0.0844 ppm	0.3417 ppm	0.0001 ppm	13.3375 ppm
Concentration per Run 3	-0.0002 ppm	1.3982 ppm	0.0146 ppm	0.0827 ppm	0.3423 ppm	0.0001 ppm	13.3227 ppm
Concentration RSD	60.6 %	0.7 %	1.8 %	1.0 %	0.4 %	8.8 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0285 ppm	0.0108 ppm	0.0371 ppm	60.5615 ppm	6.0826 ppm	0.0038 ppm
Concentration per Run 1	0.0010 ppm	0.0287 ppm	0.0110 ppm	0.0371 ppm	60.7814 ppm	6.0034 ppm	0.0046 ppm
Concentration per Run 2	0.0010 ppm	0.0290 ppm	0.0108 ppm	0.0369 ppm	60.4365 ppm	6.0524 ppm	0.0034 ppm
Concentration per Run 3	0.0009 ppm	0.0279 ppm	0.0106 ppm	0.0374 ppm	60.4667 ppm	6.1921 ppm	0.0035 ppm
Concentration RSD	2.3 %	1.9 %	1.6 %	0.7 %	0.3 %	1.6 %	17.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.2168 ppm	2.8681 ppm	-0.0001 ppm	104.5339 ppm	0.0132 ppm	0.0184 ppm	0.0017 ppm
Concentration per Run 1	12.2131 ppm	2.8790 ppm	0.0002 ppm	102.9555 ppm	0.0134 ppm	0.0189 ppm	0.0033 ppm
Concentration per Run 2	12.2351 ppm	2.8643 ppm	-0.0004 ppm	104.1125 ppm	0.0136 ppm	0.0185 ppm	0.0002 ppm
Concentration per Run 3	12.2022 ppm	2.8610 ppm	0.0001 ppm	106.5338 ppm	0.0126 ppm	0.0180 ppm	0.0016 ppm
Concentration RSD	0.1 %	0.3 %	560.5 %	1.7 %	3.9 %	2.4 %	92.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	5.1326 ppm	-0.0005 ppm	0.1865 ppm	0.0632 ppm	-0.0022 ppm	0.0050 ppm
Concentration per Run 1	-0.0004 ppm	5.1352 ppm	-0.0006 ppm	0.1857 ppm	0.0631 ppm	-0.0021 ppm	0.0049 ppm
Concentration per Run 2	-0.0008 ppm	5.1250 ppm	-0.0006 ppm	0.1866 ppm	0.0630 ppm	-0.0026 ppm	0.0051 ppm
Concentration per Run 3	0.0012 ppm	5.1376 ppm	-0.0002 ppm	0.1872 ppm	0.0636 ppm	-0.0020 ppm	0.0050 ppm
Concentration RSD	2,954.3 %	0.1 %	44.5 %	0.4 %	0.5 %	13.9 %	1.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0862 ppm	96.2312 %	102.6940 %	88.2663 %	94.6982 %	102.2564 %	94.8107 %
Concentration per Run 1	0.0862 ppm	96.2314 %	102.2049 %	88.1480 %	94.5200 %	101.6526 %	94.5964 %
Concentration per Run 2	0.0863 ppm	96.3540 %	102.9705 %	88.8477 %	94.9603 %	102.4757 %	95.6282 %
Concentration per Run 3	0.0861 ppm	96.1081 %	102.9066 %	87.8032 %	94.6144 %	102.6411 %	94.2075 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.6 %	0.2 %	0.5 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-05 WG2083385
Analysis started at: 6/26/2025 10:32:22 PM
Rack 3
Vial 7
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.2816 ppm	0.0007 ppm	0.1369 ppm	0.1167 ppm	0.0015 ppm	9.7705 ppm
Concentration per Run 1	-0.0001 ppm	0.2781 ppm	0.0010 ppm	0.1352 ppm	0.1163 ppm	0.0015 ppm	9.6975 ppm
Concentration per Run 2	-0.0002 ppm	0.2871 ppm	-0.0003 ppm	0.1383 ppm	0.1173 ppm	0.0015 ppm	9.8335 ppm
Concentration per Run 3	-0.0002 ppm	0.2797 ppm	0.0013 ppm	0.1373 ppm	0.1165 ppm	0.0015 ppm	9.7804 ppm
Concentration RSD	33.3 %	1.7 %	129.6 %	1.1 %	0.5 %	1.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0473 ppm	0.0515 ppm	0.0208 ppm	0.2036 ppm	2.4293 ppm	0.0055 ppm
Concentration per Run 1	0.0002 ppm	0.0476 ppm	0.0504 ppm	0.0212 ppm	0.2040 ppm	2.4125 ppm	0.0055 ppm
Concentration per Run 2	0.0001 ppm	0.0473 ppm	0.0522 ppm	0.0205 ppm	0.2031 ppm	2.4463 ppm	0.0055 ppm
Concentration per Run 3	0.0003 ppm	0.0471 ppm	0.0519 ppm	0.0208 ppm	0.2038 ppm	2.4289 ppm	0.0054 ppm
Concentration RSD	45.6 %	0.5 %	1.9 %	1.7 %	0.2 %	0.7 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.2271 ppm	0.0315 ppm	0.0006 ppm	8.9385 ppm	0.0409 ppm	0.0002 ppm	0.0012 ppm
Concentration per Run 1	3.2068 ppm	0.0314 ppm	0.0009 ppm	8.8569 ppm	0.0404 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 2	3.2364 ppm	0.0317 ppm	0.0004 ppm	9.0223 ppm	0.0413 ppm	-0.0005 ppm	0.0028 ppm
Concentration per Run 3	3.2383 ppm	0.0315 ppm	0.0006 ppm	8.9363 ppm	0.0410 ppm	0.0012 ppm	0.0002 ppm
Concentration RSD	0.5 %	0.4 %	42.9 %	0.9 %	1.2 %	412.2 %	124.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0014 ppm	3.4287 ppm	-0.0010 ppm	0.0486 ppm	0.0069 ppm	0.0003 ppm	0.0042 ppm
Concentration per Run 1	0.0011 ppm	3.3820 ppm	-0.0005 ppm	0.0483 ppm	0.0065 ppm	0.0001 ppm	0.0042 ppm
Concentration per Run 2	0.0009 ppm	3.4541 ppm	-0.0013 ppm	0.0487 ppm	0.0067 ppm	0.0007 ppm	0.0042 ppm
Concentration per Run 3	0.0022 ppm	3.4499 ppm	-0.0013 ppm	0.0486 ppm	0.0075 ppm	0.0002 ppm	0.0043 ppm
Concentration RSD	52.1 %	1.2 %	48.3 %	0.4 %	8.1 %	98.0 %	1.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0317 ppm	100.0529 %	104.7240 %	95.5861 %	99.7957 %	105.2014 %	99.8734 %
Concentration per Run 1	0.0312 ppm	101.1328 %	105.1719 %	95.7141 %	99.8893 %	105.3358 %	100.1977 %
Concentration per Run 2	0.0319 ppm	99.8339 %	104.5382 %	95.2823 %	100.1944 %	105.7284 %	99.3465 %
Concentration per Run 3	0.0320 ppm	99.1920 %	104.4618 %	95.7620 %	99.3035 %	104.5400 %	100.0761 %
Concentration RSD	1.4 %	1.0 %	0.4 %	0.3 %	0.5 %	0.6 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-06 WG2083385
Analysis started at: 6/26/2025 10:35:36 PM
Rack 3
Vial 8
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.3333 ppm	-0.0008 ppm	0.0665 ppm	0.0828 ppm	0.0004 ppm	18.7391 ppm
Concentration per Run 1	-0.0003 ppm	0.3381 ppm	0.0002 ppm	0.0664 ppm	0.0828 ppm	0.0004 ppm	18.8273 ppm
Concentration per Run 2	-0.0002 ppm	0.3271 ppm	-0.0007 ppm	0.0658 ppm	0.0826 ppm	0.0004 ppm	18.6788 ppm
Concentration per Run 3	-0.0004 ppm	0.3345 ppm	-0.0019 ppm	0.0674 ppm	0.0830 ppm	0.0004 ppm	18.7113 ppm
Concentration RSD	41.6 %	1.7 %	126.6 %	1.2 %	0.2 %	2.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0018 ppm	0.0782 ppm	0.0042 ppm	0.4084 ppm	9.7650 ppm	0.0053 ppm
Concentration per Run 1	0.0006 ppm	0.0018 ppm	0.0777 ppm	0.0041 ppm	0.4083 ppm	9.6322 ppm	0.0053 ppm
Concentration per Run 2	0.0007 ppm	0.0019 ppm	0.0780 ppm	0.0039 ppm	0.4091 ppm	9.6904 ppm	0.0054 ppm
Concentration per Run 3	0.0007 ppm	0.0016 ppm	0.0787 ppm	0.0044 ppm	0.4079 ppm	9.9724 ppm	0.0053 ppm
Concentration RSD	8.1 %	10.0 %	0.6 %	6.1 %	0.2 %	1.9 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.1301 ppm	0.3404 ppm	0.0003 ppm	89.7810 ppm	0.0187 ppm	0.0007 ppm	0.0012 ppm
Concentration per Run 1	11.0838 ppm	0.3421 ppm	0.0006 ppm	88.5514 ppm	0.0186 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 2	11.1012 ppm	0.3388 ppm	0.0001 ppm	89.0365 ppm	0.0190 ppm	0.0010 ppm	0.0009 ppm
Concentration per Run 3	11.2051 ppm	0.3403 ppm	0.0003 ppm	91.7552 ppm	0.0186 ppm	0.0009 ppm	0.0028 ppm
Concentration RSD	0.6 %	0.5 %	67.9 %	1.9 %	1.2 %	58.2 %	111.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	4.1481 ppm	-0.0011 ppm	0.1026 ppm	0.0086 ppm	-0.0009 ppm	0.0026 ppm
Concentration per Run 1	0.0021 ppm	4.1298 ppm	-0.0009 ppm	0.1029 ppm	0.0086 ppm	-0.0016 ppm	0.0024 ppm
Concentration per Run 2	0.0003 ppm	4.1511 ppm	-0.0013 ppm	0.1021 ppm	0.0085 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run 3	0.0020 ppm	4.1634 ppm	-0.0011 ppm	0.1027 ppm	0.0086 ppm	-0.0009 ppm	0.0026 ppm
Concentration RSD	67.7 %	0.4 %	21.9 %	0.4 %	0.9 %	82.2 %	5.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0428 ppm	96.3489 %	102.5219 %	89.5288 %	96.4156 %	103.2036 %	96.1336 %
Concentration per Run 1	0.0420 ppm	96.8652 %	102.3472 %	89.5000 %	97.0158 %	103.3527 %	96.1467 %
Concentration per Run 2	0.0429 ppm	96.1150 %	102.7783 %	89.4919 %	96.6385 %	103.2388 %	96.2760 %
Concentration per Run 3	0.0435 ppm	96.0665 %	102.4404 %	89.5946 %	95.5927 %	103.0193 %	95.9780 %
Concentration RSD	1.8 %	0.5 %	0.2 %	0.1 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-07 WG2083385
Analysis started at: 6/26/2025 10:38:51 PM
Rack 3
Vial 9
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.3829 ppm	-0.0005 ppm	0.0677 ppm	0.0868 ppm	0.0004 ppm	19.3385 ppm
Concentration per Run 1	-0.0001 ppm	0.3837 ppm	-0.0006 ppm	0.0671 ppm	0.0867 ppm	0.0004 ppm	19.3425 ppm
Concentration per Run 2	-0.0004 ppm	0.3862 ppm	-0.0017 ppm	0.0687 ppm	0.0868 ppm	0.0004 ppm	19.2586 ppm
Concentration per Run 3	-0.0001 ppm	0.3787 ppm	0.0006 ppm	0.0672 ppm	0.0870 ppm	0.0004 ppm	19.4144 ppm
Concentration RSD	118.0 %	1.0 %	215.2 %	1.3 %	0.2 %	1.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0021 ppm	0.0810 ppm	0.0046 ppm	0.4112 ppm	10.2528 ppm	0.0058 ppm
Concentration per Run 1	0.0007 ppm	0.0017 ppm	0.0811 ppm	0.0046 ppm	0.4109 ppm	10.2753 ppm	0.0058 ppm
Concentration per Run 2	0.0006 ppm	0.0021 ppm	0.0812 ppm	0.0046 ppm	0.4077 ppm	10.3061 ppm	0.0059 ppm
Concentration per Run 3	0.0007 ppm	0.0023 ppm	0.0808 ppm	0.0045 ppm	0.4149 ppm	10.1770 ppm	0.0057 ppm
Concentration RSD	7.0 %	14.2 %	0.2 %	2.2 %	0.9 %	0.7 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.5175 ppm	0.3453 ppm	0.0002 ppm	93.9376 ppm	0.0194 ppm	0.0006 ppm	0.0007 ppm
Concentration per Run 1	11.5059 ppm	0.3469 ppm	0.0001 ppm	93.7764 ppm	0.0192 ppm	0.0012 ppm	0.0015 ppm
Concentration per Run 2	11.5492 ppm	0.3432 ppm	0.0007 ppm	93.7306 ppm	0.0198 ppm	0.0005 ppm	0.0022 ppm
Concentration per Run 3	11.4974 ppm	0.3458 ppm	-0.0001 ppm	94.3059 ppm	0.0194 ppm	0.0000 ppm	-0.0016 ppm
Concentration RSD	0.2 %	0.6 %	210.6 %	0.3 %	1.5 %	111.0 %	285.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	4.3366 ppm	-0.0008 ppm	0.1074 ppm	0.0102 ppm	-0.0012 ppm	0.0026 ppm
Concentration per Run 1	0.0020 ppm	4.3284 ppm	-0.0007 ppm	0.1074 ppm	0.0111 ppm	-0.0018 ppm	0.0026 ppm
Concentration per Run 2	-0.0007 ppm	4.3491 ppm	-0.0009 ppm	0.1074 ppm	0.0093 ppm	-0.0004 ppm	0.0028 ppm
Concentration per Run 3	0.0002 ppm	4.3323 ppm	-0.0008 ppm	0.1074 ppm	0.0102 ppm	-0.0013 ppm	0.0025 ppm
Concentration RSD	268.8 %	0.3 %	11.4 %	0.0 %	9.0 %	63.4 %	5.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0439 ppm	96.2715 %	101.9818 %	89.3423 %	96.0501 %	102.6700 %	96.0458 %
Concentration per Run 1	0.0439 ppm	96.2829 %	102.3137 %	89.3842 %	96.1236 %	102.9591 %	96.3568 %
Concentration per Run 2	0.0441 ppm	95.8359 %	102.1462 %	89.4874 %	95.4815 %	102.5253 %	96.3338 %
Concentration per Run 3	0.0436 ppm	96.6958 %	101.4854 %	89.1554 %	96.5451 %	102.5256 %	95.4468 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.2 %	0.6 %	0.2 %	0.5 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-08 WG2083385
Analysis started at: 6/26/2025 10:42:07 PM
Rack 3
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0789 ppm	0.0000 ppm	0.0254 ppm	0.0958 ppm	0.0000 ppm	19.0463 ppm
Concentration per Run 1	-0.0001 ppm	0.0830 ppm	0.0002 ppm	0.0256 ppm	0.0956 ppm	0.0000 ppm	18.9881 ppm
Concentration per Run 2	-0.0002 ppm	0.0781 ppm	-0.0003 ppm	0.0259 ppm	0.0963 ppm	0.0000 ppm	19.0585 ppm
Concentration per Run 3	0.0000 ppm	0.0757 ppm	-0.0001 ppm	0.0247 ppm	0.0953 ppm	0.0000 ppm	19.0924 ppm
Concentration RSD	150.5 %	4.7 %	518.0 %	2.4 %	0.5 %	68.5 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0006 ppm	0.0051 ppm	0.0008 ppm	0.1960 ppm	2.4154 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	0.0007 ppm	0.0050 ppm	0.0008 ppm	0.1956 ppm	2.4126 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	0.0009 ppm	0.0051 ppm	0.0006 ppm	0.1971 ppm	2.4231 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0051 ppm	0.0010 ppm	0.1953 ppm	2.4104 ppm	0.0011 ppm
Concentration RSD	163.5 %	38.3 %	1.2 %	22.8 %	0.5 %	0.3 %	25.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.5097 ppm	0.0041 ppm	0.0004 ppm	57.7052 ppm	0.0033 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 1	8.4879 ppm	0.0041 ppm	0.0004 ppm	57.3302 ppm	0.0033 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	8.5503 ppm	0.0040 ppm	0.0004 ppm	57.8738 ppm	0.0032 ppm	0.0001 ppm	0.0014 ppm
Concentration per Run 3	8.4908 ppm	0.0040 ppm	0.0003 ppm	57.9115 ppm	0.0034 ppm	0.0007 ppm	0.0012 ppm
Concentration RSD	0.4 %	1.4 %	21.3 %	0.6 %	2.8 %	751.6 %	76.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	2.3562 ppm	-0.0006 ppm	0.1064 ppm	0.0027 ppm	0.0005 ppm	0.0020 ppm
Concentration per Run 1	-0.0009 ppm	2.3472 ppm	-0.0003 ppm	0.1066 ppm	0.0029 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 2	-0.0013 ppm	2.3566 ppm	0.0003 ppm	0.1069 ppm	0.0025 ppm	0.0005 ppm	0.0019 ppm
Concentration per Run 3	0.0023 ppm	2.3647 ppm	-0.0017 ppm	0.1058 ppm	0.0027 ppm	0.0009 ppm	0.0020 ppm
Concentration RSD	20,862,840.8 %	0.4 %	171.3 %	0.5 %	7.8 %	77.6 %	7.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0084 ppm	96.7361 %	103.5180 %	91.0123 %	96.6109 %	103.7954 %	96.0543 %
Concentration per Run 1	0.0083 ppm	97.0696 %	103.7772 %	91.2112 %	96.9570 %	103.8230 %	96.2324 %
Concentration per Run 2	0.0085 ppm	96.8053 %	103.2158 %	90.9712 %	96.7568 %	103.8587 %	96.0374 %
Concentration per Run 3	0.0084 ppm	96.3335 %	103.5609 %	90.8544 %	96.1190 %	103.7046 %	95.8931 %
Concentration RSD	1.4 %	0.4 %	0.3 %	0.2 %	0.5 %	0.1 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-09 WG2083385
Analysis started at: 6/26/2025 10:45:22 PM
Rack 3
Vial 11
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0694 ppm	0.0008 ppm	0.0669 ppm	0.0733 ppm	0.0000 ppm	13.5082 ppm
Concentration per Run 1	-0.0004 ppm	0.0710 ppm	0.0009 ppm	0.0668 ppm	0.0734 ppm	0.0000 ppm	13.4611 ppm
Concentration per Run 2	-0.0004 ppm	0.0676 ppm	-0.0001 ppm	0.0666 ppm	0.0733 ppm	0.0001 ppm	13.3970 ppm
Concentration per Run 3	0.0000 ppm	0.0697 ppm	0.0015 ppm	0.0671 ppm	0.0731 ppm	0.0000 ppm	13.6666 ppm
Concentration RSD	93.2 %	2.5 %	102.1 %	0.4 %	0.3 %	58.9 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0539 ppm	0.0113 ppm	0.0051 ppm	4.5810 ppm	5.2298 ppm	0.0028 ppm
Concentration per Run 1	0.0003 ppm	0.0544 ppm	0.0111 ppm	0.0051 ppm	4.5595 ppm	5.2804 ppm	0.0027 ppm
Concentration per Run 2	0.0002 ppm	0.0540 ppm	0.0113 ppm	0.0053 ppm	4.5815 ppm	5.2660 ppm	0.0031 ppm
Concentration per Run 3	0.0002 ppm	0.0534 ppm	0.0114 ppm	0.0049 ppm	4.6020 ppm	5.1428 ppm	0.0026 ppm
Concentration RSD	33.2 %	0.9 %	1.2 %	3.7 %	0.5 %	1.4 %	9.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.9187 ppm	1.1911 ppm	0.0005 ppm	30.5777 ppm	0.0064 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	8.8818 ppm	1.1898 ppm	0.0007 ppm	30.9356 ppm	0.0063 ppm	0.0010 ppm	0.0024 ppm
Concentration per Run 2	8.9430 ppm	1.1803 ppm	0.0003 ppm	30.6253 ppm	0.0068 ppm	-0.0009 ppm	0.0020 ppm
Concentration per Run 3	8.9315 ppm	1.2031 ppm	0.0005 ppm	30.1723 ppm	0.0061 ppm	-0.0001 ppm	0.0011 ppm
Concentration RSD	0.4 %	1.0 %	39.7 %	1.3 %	5.6 %	4,282.4 %	38.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0008 ppm	1.7283 ppm	-0.0005 ppm	0.1029 ppm	0.0024 ppm	-0.0010 ppm	0.0010 ppm
Concentration per Run 1	0.0004 ppm	1.7242 ppm	-0.0005 ppm	0.1029 ppm	0.0026 ppm	-0.0018 ppm	0.0011 ppm
Concentration per Run 2	0.0005 ppm	1.7319 ppm	-0.0005 ppm	0.1031 ppm	0.0022 ppm	-0.0005 ppm	0.0011 ppm
Concentration per Run 3	0.0015 ppm	1.7287 ppm	-0.0006 ppm	0.1028 ppm	0.0024 ppm	-0.0007 ppm	0.0009 ppm
Concentration RSD	74.8 %	0.2 %	11.0 %	0.1 %	9.8 %	69.4 %	7.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0284 ppm	98.4216 %	104.0569 %	93.2950 %	97.2016 %	102.8467 %	96.1915 %
Concentration per Run 1	0.0280 ppm	98.5833 %	104.9098 %	93.2724 %	97.4838 %	103.8876 %	96.2244 %
Concentration per Run 2	0.0286 ppm	97.8753 %	103.8363 %	92.8788 %	96.6300 %	102.2039 %	95.7903 %
Concentration per Run 3	0.0284 ppm	98.8062 %	103.4247 %	93.7338 %	97.4910 %	102.4487 %	96.5599 %
Concentration RSD	1.0 %	0.5 %	0.7 %	0.5 %	0.5 %	0.9 %	0.4 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-10 WG2083385
Analysis started at: 6/26/2025 10:48:37 PM
Rack 3
Vial 12
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.1639 ppm	-0.0008 ppm	0.0937 ppm	0.1599 ppm	0.0000 ppm	28.8674 ppm
Concentration per Run 1	0.0001 ppm	0.1618 ppm	-0.0006 ppm	0.0947 ppm	0.1588 ppm	0.0000 ppm	28.8682 ppm
Concentration per Run 2	0.0001 ppm	0.1623 ppm	-0.0014 ppm	0.0943 ppm	0.1601 ppm	0.0000 ppm	28.6501 ppm
Concentration per Run 3	-0.0003 ppm	0.1677 ppm	-0.0003 ppm	0.0921 ppm	0.1608 ppm	0.0000 ppm	29.0839 ppm
Concentration RSD	621.9 %	2.0 %	72.6 %	1.5 %	0.6 %	61.4 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0449 ppm	0.0006 ppm	0.0009 ppm	22.8532 ppm	10.0940 ppm	0.0119 ppm
Concentration per Run 1	0.0003 ppm	0.0450 ppm	0.0006 ppm	0.0008 ppm	22.8407 ppm	9.9614 ppm	0.0126 ppm
Concentration per Run 2	0.0002 ppm	0.0451 ppm	0.0007 ppm	0.0009 ppm	22.7552 ppm	10.0622 ppm	0.0115 ppm
Concentration per Run 3	0.0002 ppm	0.0448 ppm	0.0005 ppm	0.0008 ppm	22.9636 ppm	10.2585 ppm	0.0117 ppm
Concentration RSD	29.9 %	0.3 %	12.7 %	9.3 %	0.5 %	1.5 %	5.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.2246 ppm	1.7803 ppm	0.0002 ppm	27.0345 ppm	0.0046 ppm	0.0022 ppm	0.0015 ppm
Concentration per Run 1	12.2689 ppm	1.7795 ppm	0.0004 ppm	26.8732 ppm	0.0040 ppm	0.0023 ppm	-0.0005 ppm
Concentration per Run 2	12.1527 ppm	1.7618 ppm	0.0003 ppm	26.9023 ppm	0.0046 ppm	0.0027 ppm	0.0013 ppm
Concentration per Run 3	12.2521 ppm	1.7996 ppm	0.0000 ppm	27.3278 ppm	0.0054 ppm	0.0017 ppm	0.0036 ppm
Concentration RSD	0.5 %	1.1 %	80.8 %	0.9 %	14.5 %	22.0 %	138.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	3.4153 ppm	-0.0008 ppm	0.1615 ppm	0.0023 ppm	-0.0010 ppm	0.0012 ppm
Concentration per Run 1	0.0001 ppm	3.4095 ppm	-0.0009 ppm	0.1606 ppm	0.0024 ppm	-0.0015 ppm	0.0011 ppm
Concentration per Run 2	0.0004 ppm	3.4117 ppm	-0.0007 ppm	0.1619 ppm	0.0026 ppm	-0.0009 ppm	0.0012 ppm
Concentration per Run 3	0.0017 ppm	3.4247 ppm	-0.0007 ppm	0.1620 ppm	0.0020 ppm	-0.0008 ppm	0.0011 ppm
Concentration RSD	118.5 %	0.2 %	16.9 %	0.5 %	11.9 %	39.4 %	6.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0147 ppm	97.9445 %	102.7382 %	91.7295 %	99.6225 %	104.4828 %	98.5729 %
Concentration per Run 1	0.0147 ppm	97.2511 %	102.8660 %	91.6005 %	98.7347 %	104.0929 %	98.7320 %
Concentration per Run 2	0.0144 ppm	98.5798 %	102.3924 %	91.9061 %	100.3244 %	103.9268 %	98.3798 %
Concentration per Run 3	0.0150 ppm	98.0026 %	102.9562 %	91.6819 %	99.8084 %	105.4288 %	98.6071 %
Concentration RSD	2.1 %	0.7 %	0.3 %	0.2 %	0.8 %	0.8 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 10:51:52 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4709 ppm	0.4614 ppm	0.4841 ppm	0.4861 ppm	0.4906 ppm	0.4945 ppm	0.4722 ppm
Concentration per Run 1	0.4690 ppm	0.4604 ppm	0.4837 ppm	0.4822 ppm	0.4915 ppm	0.4952 ppm	0.4735 ppm
Concentration per Run 2	0.4705 ppm	0.4627 ppm	0.4857 ppm	0.4864 ppm	0.4889 ppm	0.4930 ppm	0.4693 ppm
Concentration per Run 3	0.4732 ppm	0.4612 ppm	0.4830 ppm	0.4898 ppm	0.4914 ppm	0.4954 ppm	0.4737 ppm
Recovery Percentage 1	94.184 %	92.287 %	96.828 %	97.227 %	98.118 %	98.909 %	94.437 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.8 %	0.3 %	0.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4712 ppm	0.4883 ppm	0.5183 ppm	0.4714 ppm	0.4928 ppm	5.0634 ppm	0.4959 ppm
Concentration per Run 1	0.4681 ppm	0.4861 ppm	0.5143 ppm	0.4702 ppm	0.4953 ppm	5.0843 ppm	0.4940 ppm
Concentration per Run 2	0.4709 ppm	0.4888 ppm	0.5203 ppm	0.4729 ppm	0.4897 ppm	4.9802 ppm	0.4927 ppm
Concentration per Run 3	0.4748 ppm	0.4900 ppm	0.5201 ppm	0.4711 ppm	0.4934 ppm	5.1257 ppm	0.5011 ppm
Recovery Percentage 1	94.249 %	97.657 %	103.653 %	94.275 %	98.563 %	101.268 %	99.186 %
Concentration RSD	0.7 %	0.4 %	0.7 %	0.3 %	0.6 %	1.5 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5049 ppm	0.4791 ppm	0.5002 ppm	9.9228 ppm	0.5234 ppm	0.5048 ppm	0.4705 ppm
Concentration per Run 1	0.5030 ppm	0.4815 ppm	0.4956 ppm	9.9124 ppm	0.5180 ppm	0.5038 ppm	0.4723 ppm
Concentration per Run 2	0.5039 ppm	0.4770 ppm	0.5015 ppm	9.8442 ppm	0.5249 ppm	0.5055 ppm	0.4692 ppm
Concentration per Run 3	0.5078 ppm	0.4789 ppm	0.5036 ppm	10.0117 ppm	0.5274 ppm	0.5050 ppm	0.4699 ppm
Recovery Percentage 1	100.977 %	95.830 %	100.049 %	99.228 %	104.683 %	100.954 %	94.095 %
Concentration RSD	0.5 %	0.5 %	0.8 %	0.8 %	0.9 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4873 ppm	5.0727 ppm	0.5214 ppm	0.4918 ppm	0.5133 ppm	0.5002 ppm	0.4756 ppm
Concentration per Run 1	0.4878 ppm	5.0364 ppm	0.5177 ppm	0.4918 ppm	0.5109 ppm	0.4986 ppm	0.4743 ppm
Concentration per Run 2	0.4864 ppm	5.1054 ppm	0.5252 ppm	0.4913 ppm	0.5133 ppm	0.5002 ppm	0.4741 ppm
Concentration per Run 3	0.4877 ppm	5.0761 ppm	0.5214 ppm	0.4922 ppm	0.5155 ppm	0.5017 ppm	0.4786 ppm
Recovery Percentage 1	97.468 %	96.622 %	104.288 %	98.356 %	102.650 %	100.033 %	95.129 %
Concentration RSD	0.2 %	0.7 %	0.7 %	0.1 %	0.5 %	0.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5194 ppm	98.8700 %	103.4917 %	94.5073 %	97.5846 %	102.0559 %	97.0372 %
Concentration per Run 1	0.5144 ppm	98.9489 %	103.9614 %	94.3532 %	97.6487 %	102.8448 %	96.7771 %
Concentration per Run 2	0.5209 ppm	98.3642 %	103.7060 %	95.1185 %	97.5451 %	101.6562 %	97.7716 %
Concentration per Run 3	0.5230 ppm	99.2970 %	102.8078 %	94.0501 %	97.5600 %	101.6667 %	96.5630 %
Recovery Percentage 1	103.886 %						
Concentration RSD	0.9 %	0.5 %	0.6 %	0.6 %	0.1 %	0.7 %	0.7 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 10:55:06 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0087 ppm	-0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	-0.0062 ppm	-0.0011 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm
Concentration per Run 2	0.0001 ppm	-0.0094 ppm	-0.0014 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0106 ppm	-0.0018 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0020 ppm
Recovery Percentage 1	0.489 %	-8.712 %	-28.549 %	0.280 %	0.086 %	0.055 %	0.299 %
Concentration RSD	454.2 %	26.3 %	23.5 %	821.8 %	183.4 %	416.0 %	486.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0011 ppm	0.0008 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0016 ppm	-0.0037 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0002 ppm	0.0010 ppm	0.0100 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0007 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	-0.0031 ppm	0.0007 ppm
Recovery Percentage 1	1.134 %	-0.996 %	-3.439 %	-0.139 %	1.834 %	0.043 %	16.797 %
Concentration RSD	89.9 %	216.0 %	31.6 %	1,522.6 %	74.8 %	714.6 %	15.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0003 ppm	0.0025 ppm	-0.0066 ppm	0.0002 ppm	-0.0001 ppm	0.0032 ppm
Concentration per Run 1	0.0008 ppm	0.0003 ppm	0.0024 ppm	-0.0079 ppm	0.0004 ppm	-0.0006 ppm	0.0026 ppm
Concentration per Run 2	-0.0004 ppm	0.0004 ppm	0.0026 ppm	-0.0081 ppm	-0.0001 ppm	0.0003 ppm	0.0050 ppm
Concentration per Run 3	0.0010 ppm	0.0003 ppm	0.0026 ppm	-0.0038 ppm	0.0002 ppm	0.0002 ppm	0.0021 ppm
Recovery Percentage 1	0.467 %	3.241 %	5.049 %	-0.330 %	0.638 %	-0.575 %	6.456 %
Concentration RSD	169.3 %	20.5 %	4.9 %	36.3 %	136.2 %	875.4 %	47.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0035 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 1	0.0018 ppm	0.0022 ppm	0.0003 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0044 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 3	0.0014 ppm	0.0038 ppm	-0.0008 ppm	-0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm
Recovery Percentage 1	11.239 %	0.691 %	0.047 %	-0.421 %	2.514 %	-2.395 %	-0.603 %
Concentration RSD	73.6 %	31.7 %	3,246.0 %	76.2 %	38.5 %	156.4 %	124.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	97.8820 %	102.0769 %	94.3186 %	98.4698 %	102.0427 %	98.3200 %
Concentration per Run 1	-0.0002 ppm	98.5917 %	102.5831 %	93.9626 %	98.8966 %	102.2348 %	98.1598 %
Concentration per Run 2	-0.0002 ppm	97.2851 %	101.7940 %	94.4476 %	98.1002 %	101.9169 %	98.4855 %
Concentration per Run 3	-0.0002 ppm	97.7690 %	101.8535 %	94.5456 %	98.4127 %	101.9764 %	98.3147 %
Recovery Percentage 1	-3.556 %						
Concentration RSD	1.7 %	0.7 %	0.4 %	0.3 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-11 WG2083385
Analysis started at: 6/26/2025 11:36:28 PM
Rack 3
Vial 13
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.1613 ppm	-0.0005 ppm	0.0451 ppm	0.0854 ppm	0.0001 ppm	15.1899 ppm
Concentration per Run 1	-0.0002 ppm	0.1603 ppm	-0.0013 ppm	0.0435 ppm	0.0855 ppm	0.0001 ppm	15.1767 ppm
Concentration per Run 2	0.0000 ppm	0.1664 ppm	-0.0001 ppm	0.0478 ppm	0.0853 ppm	0.0000 ppm	15.1699 ppm
Concentration per Run 3	-0.0003 ppm	0.1572 ppm	-0.0002 ppm	0.0441 ppm	0.0856 ppm	0.0001 ppm	15.2232 ppm
Concentration RSD	74.6 %	2.9 %	124.6 %	5.2 %	0.2 %	59.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0019 ppm	0.1690 ppm	0.0045 ppm	0.1244 ppm	9.5087 ppm	0.0028 ppm
Concentration per Run 1	0.0000 ppm	0.0019 ppm	0.1674 ppm	0.0047 ppm	0.1253 ppm	9.5411 ppm	0.0035 ppm
Concentration per Run 2	0.0000 ppm	0.0017 ppm	0.1703 ppm	0.0043 ppm	0.1237 ppm	9.5481 ppm	0.0030 ppm
Concentration per Run 3	0.0000 ppm	0.0020 ppm	0.1692 ppm	0.0045 ppm	0.1243 ppm	9.4370 ppm	0.0019 ppm
Concentration RSD	131.6 %	7.2 %	0.9 %	3.7 %	0.7 %	0.7 %	29.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.2467 ppm	0.0216 ppm	0.0002 ppm	43.7187 ppm	0.0032 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	7.2396 ppm	0.0217 ppm	0.0003 ppm	43.7430 ppm	0.0031 ppm	-0.0002 ppm	0.0019 ppm
Concentration per Run 2	7.2726 ppm	0.0216 ppm	0.0003 ppm	43.8802 ppm	0.0035 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 3	7.2277 ppm	0.0216 ppm	0.0001 ppm	43.5328 ppm	0.0029 ppm	0.0011 ppm	-0.0002 ppm
Concentration RSD	0.3 %	0.3 %	52.7 %	0.4 %	10.6 %	196.1 %	106.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	2.0999 ppm	-0.0014 ppm	0.1297 ppm	0.0041 ppm	-0.0003 ppm	0.0013 ppm
Concentration per Run 1	-0.0010 ppm	2.0918 ppm	-0.0012 ppm	0.1299 ppm	0.0043 ppm	0.0003 ppm	0.0012 ppm
Concentration per Run 2	0.0016 ppm	2.1012 ppm	-0.0014 ppm	0.1294 ppm	0.0044 ppm	-0.0007 ppm	0.0013 ppm
Concentration per Run 3	-0.0002 ppm	2.1066 ppm	-0.0014 ppm	0.1297 ppm	0.0037 ppm	-0.0004 ppm	0.0014 ppm
Concentration RSD	992.2 %	0.4 %	9.1 %	0.2 %	9.7 %	198.9 %	6.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0138 ppm	99.8579 %	103.5531 %	94.4808 %	97.1840 %	102.4532 %	97.6313 %
Concentration per Run 1	0.0137 ppm	100.1826 %	103.6247 %	94.0537 %	97.0598 %	102.4283 %	96.9340 %
Concentration per Run 2	0.0141 ppm	99.9832 %	103.1769 %	94.2501 %	97.7145 %	102.1587 %	97.1836 %
Concentration per Run 3	0.0136 ppm	99.4081 %	103.8577 %	95.1387 %	96.7778 %	102.7727 %	98.7764 %
Concentration RSD	2.2 %	0.4 %	0.3 %	0.6 %	0.5 %	0.3 %	1.0 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: L2538424-12 WG2083385
Analysis started at: 6/26/2025 11:39:49 PM
Rack 3
Vial 14
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0629 ppm	-0.2626 ppm	0.0472 ppm	0.0629 ppm	0.0000 ppm	6.1153 ppm
Concentration per Run 1	0.0001 ppm	0.0630 ppm	-0.7875 ppm	0.0482 ppm	0.0630 ppm	0.0001 ppm	6.1095 ppm
Concentration per Run 2	0.0003 ppm	0.0631 ppm	0.0001 ppm	0.0473 ppm	0.0626 ppm	0.0000 ppm	6.1319 ppm
Concentration per Run 3	0.0002 ppm	0.0626 ppm	-0.0003 ppm	0.0460 ppm	0.0631 ppm	0.0001 ppm	6.1045 ppm
Concentration RSD	53.2 %	0.4 %	173.1 %	2.4 %	0.4 %	39.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0010 ppm	0.0616 ppm	0.0016 ppm	0.2043 ppm	7.7623 ppm	0.0017 ppm
Concentration per Run 1	0.0001 ppm	0.0009 ppm	0.0615 ppm	0.0017 ppm	0.2043 ppm	7.7666 ppm	0.0011 ppm
Concentration per Run 2	0.0001 ppm	0.0013 ppm	0.0613 ppm	0.0013 ppm	0.2044 ppm	7.7768 ppm	0.0021 ppm
Concentration per Run 3	0.0001 ppm	0.0008 ppm	0.0621 ppm	0.0018 ppm	0.2043 ppm	7.7435 ppm	0.0019 ppm
Concentration RSD	37.2 %	24.9 %	0.7 %	15.5 %	0.0 %	0.2 %	29.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.9178 ppm	0.0093 ppm	0.0004 ppm	15.0825 ppm	0.0018 ppm	-0.0085 ppm	0.0028 ppm
Concentration per Run 1	2.9074 ppm	0.0091 ppm	0.0002 ppm	15.1408 ppm	0.0021 ppm	-0.0263 ppm	0.0040 ppm
Concentration per Run 2	2.9151 ppm	0.0093 ppm	0.0005 ppm	15.0968 ppm	0.0019 ppm	-0.0002 ppm	0.0031 ppm
Concentration per Run 3	2.9310 ppm	0.0093 ppm	0.0005 ppm	15.0098 ppm	0.0013 ppm	0.0010 ppm	0.0013 ppm
Concentration RSD	0.4 %	1.3 %	39.9 %	0.4 %	25.6 %	181.4 %	50.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.9142 ppm	2.1358 ppm	-0.0008 ppm	0.0385 ppm	0.0015 ppm	-19.7615 ppm	0.0017 ppm
Concentration per Run 1	-2.7424 ppm	2.1358 ppm	-0.0007 ppm	0.0385 ppm	0.0012 ppm	-59.2844 ppm	0.0018 ppm
Concentration per Run 2	-0.0003 ppm	2.1336 ppm	-0.0010 ppm	0.0385 ppm	0.0016 ppm	-0.0001 ppm	0.0017 ppm
Concentration per Run 3	0.0001 ppm	2.1381 ppm	-0.0007 ppm	0.0384 ppm	0.0017 ppm	0.0001 ppm	0.0017 ppm
Concentration RSD	173.2 %	0.1 %	23.4 %	0.1 %	16.7 %	173.2 %	3.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0116 ppm	101.7429 %	104.8906 %	64.7536 %	99.4518 %	103.6074 %	99.5812 %
Concentration per Run 1	0.0116 ppm	101.6196 %	104.5051 %	0.0011 %	98.7431 %	103.8207 %	100.1270 %
Concentration per Run 2	0.0116 ppm	101.8895 %	105.1462 %	96.6826 %	99.9943 %	103.9006 %	98.9231 %
Concentration per Run 3	0.0117 ppm	101.7195 %	105.0205 %	97.5772 %	99.6181 %	103.1008 %	99.6936 %
Concentration RSD	0.4 %	0.1 %	0.3 %	86.6 %	0.6 %	0.4 %	0.6 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 11:43:05 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4686 ppm	0.4621 ppm	0.4805 ppm	∞ [SIC 50]	0.4840 ppm	0.4892 ppm	0.4687 ppm
Concentration per Run 1	0.4690 ppm	0.4641 ppm	0.4815 ppm	∞ ppm	0.4830 ppm	0.4898 ppm	0.4654 ppm
Concentration per Run 2	0.4689 ppm	0.4602 ppm	0.4828 ppm	0.4772 ppm	0.4888 ppm	0.4901 ppm	0.4729 ppm
Concentration per Run 3	0.4680 ppm	0.4618 ppm	0.4770 ppm	0.4723 ppm	0.4801 ppm	0.4878 ppm	0.4677 ppm
Recovery Percentage 1	93.724 %	92.411 %	96.090 %	∞ %	96.794 %	97.849 %	93.732 %
Concentration RSD	0.1 %	0.4 %	0.6 %		0.9 %	0.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	∞ ppm	-∞ ppm	∞ ppm	0.4697 ppm	0.4877 ppm	4.9507 ppm	0.4818 ppm
Concentration per Run 1	∞ ppm	-∞ ppm	∞ ppm	0.4766 ppm	0.4874 ppm	4.9885 ppm	0.4848 ppm
Concentration per Run 2	0.4671 ppm	0.4884 ppm	0.5086 ppm	0.4661 ppm	0.4900 ppm	4.9710 ppm	0.4832 ppm
Concentration per Run 3	0.4647 ppm	0.4857 ppm	0.5071 ppm	0.4663 ppm	0.4856 ppm	4.8925 ppm	0.4774 ppm
Recovery Percentage 1	∞ %	-∞ %	∞ %	93.936 %	97.537 %	99.013 %	96.363 %
Concentration RSD				1.3 %	0.5 %	1.0 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	∞ [SIC 700]	0.4809 ppm	∞ [SIC 20]	9.7231 ppm	∞ [SIC 20]	0.4969 ppm	0.4667 ppm
Concentration per Run 1	∞ ppm	0.4797 ppm	∞ ppm	9.7649 ppm	∞ ppm	0.4975 ppm	0.4686 ppm
Concentration per Run 2	0.4987 ppm	0.4813 ppm	0.4868 ppm	9.7936 ppm	0.5102 ppm	0.4970 ppm	0.4683 ppm
Concentration per Run 3	0.4985 ppm	0.4818 ppm	0.4893 ppm	9.6110 ppm	0.5129 ppm	0.4962 ppm	0.4632 ppm
Recovery Percentage 1	∞ %	96.188 %	∞ %	97.231 %	∞ %	99.378 %	93.340 %
Concentration RSD		0.2 %		1.0 %		0.1 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4741 ppm	∞ [SIC 200]	∞ [SIC 20]	0.4851 ppm	∞ ppm	0.4935 ppm	0.4769 ppm
Concentration per Run 1	0.4746 ppm	∞ ppm	∞ ppm	0.4861 ppm	∞ ppm	0.4958 ppm	0.4780 ppm
Concentration per Run 2	0.4761 ppm	4.9684 ppm	0.5116 ppm	0.4884 ppm	0.5033 ppm	0.4910 ppm	0.4767 ppm
Concentration per Run 3	0.4716 ppm	4.9701 ppm	0.5074 ppm	0.4807 ppm	0.5022 ppm	0.4936 ppm	0.4759 ppm
Recovery Percentage 1	94.818 %	∞ %	∞ %	97.018 %	∞ %	98.692 %	95.376 %
Concentration RSD	0.5 %			0.8 %		0.5 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	∞ [SIC 50]	67.1735 %	103.3167 %	96.5989 %	98.0044 %	101.6312 %	98.4558 %
Concentration per Run 1	∞ ppm	0.0000 %	103.6711 %	96.2573 %	98.0894 %	101.7838 %	97.9670 %
Concentration per Run 2	0.5077 ppm	99.7656 %	103.0922 %	96.1031 %	96.6835 %	101.9433 %	98.0754 %
Concentration per Run 3	0.5052 ppm	101.7550 %	103.1868 %	97.4362 %	99.2402 %	101.1665 %	99.3249 %
Recovery Percentage 1	∞ %						
Concentration RSD		86.6 %	0.3 %	0.8 %	1.3 %	0.4 %	0.8 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 11:46:19 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0046 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	-0.0047 ppm	-0.0001 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0001 ppm	-0.0035 ppm	-0.0013 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	-0.0016 ppm
Concentration per Run 3	-0.0001 ppm	-0.0056 ppm	-0.0001 ppm	-0.0006 ppm	-0.0001 ppm	0.0000 ppm	0.0024 ppm
Recovery Percentage 1	-0.836 %	-4.596 %	-10.300 %	0.805 %	-0.422 %	0.281 %	0.272 %
Concentration RSD	322.8 %	23.9 %	134.9 %	645.1 %	48.0 %	120.5 %	741.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0000 ppm	0.0006 ppm	0.0057 ppm	-0.0001 ppm
Concentration per Run 2	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm	-0.0003 ppm	-0.0044 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0002 ppm	0.0001 ppm	-0.0008 ppm	-0.0001 ppm
Recovery Percentage 1	1.562 %	-0.072 %	-3.451 %	0.843 %	0.333 %	0.007 %	-5.416 %
Concentration RSD	45.9 %	2,325.4 %	34.5 %	162.6 %	267.1 %	2,911.1 %	117.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0011 ppm	0.0002 ppm	0.0023 ppm	-0.0055 ppm	-0.0001 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run 1	-0.0006 ppm	0.0002 ppm	0.0024 ppm	-0.0077 ppm	-0.0001 ppm	-0.0003 ppm	0.0024 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0021 ppm	-0.0059 ppm	0.0006 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	-0.0025 ppm	0.0002 ppm	0.0025 ppm	-0.0029 ppm	-0.0008 ppm	-0.0005 ppm	0.0015 ppm
Recovery Percentage 1	-1.059 %	1.995 %	4.668 %	-0.275 %	-0.381 %	-3.296 %	2.706 %
Concentration RSD	123.5 %	24.7 %	10.0 %	44.4 %	758.1 %	38.2 %	87.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0004 ppm	0.0022 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 1	0.0013 ppm	0.0020 ppm	-0.0011 ppm	-0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0012 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	0.0035 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0012 ppm	0.0001 ppm
Recovery Percentage 1	4.271 %	0.444 %	-0.680 %	-0.472 %	3.050 %	-1.980 %	1.757 %
Concentration RSD	187.3 %	52.7 %	193.0 %	24.8 %	32.1 %	297.9 %	29.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	99.3670 %	102.0108 %	95.9044 %	98.5627 %	102.0613 %	99.1207 %
Concentration per Run 1	-0.0002 ppm	98.6167 %	101.7146 %	95.9004 %	97.9533 %	102.0481 %	99.2680 %
Concentration per Run 2	-0.0003 ppm	99.0814 %	102.0228 %	95.7521 %	98.0555 %	102.0062 %	98.9410 %
Concentration per Run 3	-0.0003 ppm	100.4031 %	102.2950 %	96.0606 %	99.6793 %	102.1296 %	99.1530 %
Recovery Percentage 1	-5.226 %						
Concentration RSD	21.6 %	0.9 %	0.3 %	0.2 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCV
Analysis started at: 6/26/2025 11:49:33 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4690 ppm	0.4626 ppm	0.4760 ppm	0.4816 ppm	0.4828 ppm	0.4882 ppm	0.4675 ppm
Concentration per Run 1	0.4703 ppm	0.4636 ppm	0.4736 ppm	0.4801 ppm	0.4833 ppm	0.4881 ppm	0.4654 ppm
Concentration per Run 2	0.4685 ppm	0.4670 ppm	0.4791 ppm	0.4852 ppm	0.4827 ppm	0.4886 ppm	0.4707 ppm
Concentration per Run 3	0.4684 ppm	0.4573 ppm	0.4752 ppm	0.4796 ppm	0.4825 ppm	0.4879 ppm	0.4663 ppm
Recovery Percentage 1	93.809 %	92.529 %	95.195 %	96.326 %	96.563 %	97.636 %	93.493 %
Concentration RSD	0.2 %	1.1 %	0.6 %	0.6 %	0.1 %	0.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4672 ppm	0.4879 ppm	0.5135 ppm	0.4675 ppm	0.4846 ppm	4.9301 ppm	0.4771 ppm
Concentration per Run 1	0.4664 ppm	0.4859 ppm	0.5118 ppm	0.4684 ppm	0.4826 ppm	4.9484 ppm	0.4812 ppm
Concentration per Run 2	0.4700 ppm	0.4895 ppm	0.5163 ppm	0.4662 ppm	0.4849 ppm	4.9152 ppm	0.4743 ppm
Concentration per Run 3	0.4653 ppm	0.4882 ppm	0.5123 ppm	0.4677 ppm	0.4864 ppm	4.9268 ppm	0.4758 ppm
Recovery Percentage 1	93.450 %	97.574 %	102.693 %	93.491 %	96.925 %	98.602 %	95.422 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.2 %	0.4 %	0.3 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4996 ppm	0.4819 ppm	0.4921 ppm	9.6968 ppm	0.5213 ppm	0.4965 ppm	0.4653 ppm
Concentration per Run 1	0.4989 ppm	0.4820 ppm	0.4901 ppm	9.7708 ppm	0.5190 ppm	0.4958 ppm	0.4644 ppm
Concentration per Run 2	0.5008 ppm	0.4826 ppm	0.4942 ppm	9.6505 ppm	0.5256 ppm	0.4964 ppm	0.4682 ppm
Concentration per Run 3	0.4992 ppm	0.4810 ppm	0.4921 ppm	9.6691 ppm	0.5195 ppm	0.4972 ppm	0.4634 ppm
Recovery Percentage 1	99.928 %	96.372 %	98.428 %	96.968 %	104.270 %	99.292 %	93.064 %
Concentration RSD	0.2 %	0.2 %	0.4 %	0.7 %	0.7 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4741 ppm	4.9671 ppm	0.5179 ppm	0.4819 ppm	0.5037 ppm	0.4935 ppm	0.4764 ppm
Concentration per Run 1	0.4727 ppm	4.9487 ppm	0.5183 ppm	0.4819 ppm	0.5036 ppm	0.4914 ppm	0.4766 ppm
Concentration per Run 2	0.4759 ppm	4.9720 ppm	0.5209 ppm	0.4809 ppm	0.5048 ppm	0.4945 ppm	0.4771 ppm
Concentration per Run 3	0.4738 ppm	4.9806 ppm	0.5146 ppm	0.4829 ppm	0.5026 ppm	0.4946 ppm	0.4756 ppm
Recovery Percentage 1	94.824 %	94.611 %	103.585 %	96.376 %	100.732 %	98.694 %	95.288 %
Concentration RSD	0.3 %	0.3 %	0.6 %	0.2 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5146 ppm	100.3283 %	103.3921 %	96.7950 %	97.5346 %	101.8398 %	98.3013 %
Concentration per Run 1	0.5121 ppm	100.4100 %	103.5009 %	97.1363 %	97.3466 %	101.9231 %	98.5924 %
Concentration per Run 2	0.5198 ppm	99.8236 %	103.2331 %	96.4516 %	97.2222 %	101.5308 %	97.9739 %
Concentration per Run 3	0.5119 ppm	100.7514 %	103.4423 %	96.7971 %	98.0349 %	102.0655 %	98.3375 %
Recovery Percentage 1	102.915 %						
Concentration RSD	0.9 %	0.5 %	0.1 %	0.4 %	0.4 %	0.3 %	0.3 %

ICP DataTrace 9

6/27/2025 8:48:21 AM

LabBook: WG2083657_06262025T9.imexp

Sample: CCB
Analysis started at: 6/26/2025 11:52:47 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0083 ppm	-∞ ppm	∞ [SIC 50]	-0.0001 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 1	-0.0001 ppm	-0.0093 ppm	-∞ ppm	∞ ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 2	-0.0002 ppm	-0.0085 ppm	0.0012 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 3	0.0002 ppm	-0.0069 ppm	-0.0012 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Recovery Percentage 1	-0.877 %	-8.253 %	-∞ %	∞ %	-0.526 %	0.049 %	-0.296 %
Concentration RSD	350.2 %	14.6 %			56.7 %	1,288.1 %	385.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	∞ ppm	∞ ppm	-∞ ppm	0.0024 ppm	0.0002 ppm	-0.0178 ppm	0.0004 ppm
Concentration per Run 1	∞ ppm	∞ ppm	-∞ ppm	0.0063 ppm	-0.0007 ppm	-0.0155 ppm	0.0005 ppm
Concentration per Run 2	0.0001 ppm	-0.0004 ppm	-0.0004 ppm	0.0005 ppm	0.0009 ppm	-0.0259 ppm	0.0004 ppm
Concentration per Run 3	0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0005 ppm	0.0002 ppm	-0.0119 ppm	0.0002 ppm
Recovery Percentage 1	∞ %	∞ %	-∞ %	24.242 %	0.319 %	-0.711 %	7.050 %
Concentration RSD				138.0 %	517.4 %	40.9 %	44.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-∞ ppm	0.0001 ppm	∞ [SIC 20]	-0.0044 ppm	-∞ ppm	∞ ppm	0.0014 ppm
Concentration per Run 1	-∞ ppm	0.0001 ppm	∞ ppm	-0.0051 ppm	-∞ ppm	∞ ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0025 ppm	-0.0040 ppm	-0.0009 ppm	-0.0002 ppm	0.0016 ppm
Concentration per Run 3	0.0018 ppm	0.0001 ppm	0.0025 ppm	-0.0040 ppm	-0.0012 ppm	-0.0004 ppm	0.0009 ppm
Recovery Percentage 1	-∞ %	0.904 %	∞ %	-0.218 %	-∞ %	∞ %	2.734 %
Concentration RSD		104.1 %		13.7 %			29.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-∞ ppm	-∞ ppm	∞ [SIC 20]	0.0000 ppm	-∞ ppm	-∞ ppm	0.0000 ppm
Concentration per Run 1	-∞ ppm	-∞ ppm	∞ ppm	0.0000 ppm	-∞ ppm	-∞ ppm	0.0001 ppm
Concentration per Run 2	0.0017 ppm	0.0030 ppm	0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 3	0.0009 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0005 ppm	0.0001 ppm
Recovery Percentage 1	-∞ %	-∞ %	∞ %	-0.369 %	-∞ %	-∞ %	0.093 %
Concentration RSD				33.3 %			1,934.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	∞ [SIC 50]	67.0099 %	102.4695 %	64.0163 %	98.6956 %	102.7916 %	66.4790 %
Concentration per Run 1	∞ ppm	0.0000 %	102.7722 %	0.0000 %	98.4949 %	103.1355 %	0.0000 %
Concentration per Run 2	-0.0003 ppm	100.1920 %	101.5210 %	96.1628 %	98.6441 %	101.5815 %	100.1441 %
Concentration per Run 3	-0.0003 ppm	100.8376 %	103.1154 %	95.8861 %	98.9478 %	103.6576 %	99.2928 %
Recovery Percentage 1	∞ %						
Concentration RSD		86.6 %	0.8 %	86.6 %	0.2 %	1.1 %	86.6 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: Blank DHL Trace5
Analysis started at: 6/30/2025 5:42:44 AM
Comments <Comment>
Rack: 0
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	-1.9 %	18.5 %	0.2 %	0.4 %	1.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.5 %	0.2 %	-0.3 %	0.0 %	-0.4 %	0.7 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.4 %	2.9 %	0.7 %	-1.0 %	-0.2 %	-0.1 %	-4.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.0 %	0.3 %	-0.1 %	-0.1 %	5.4 %	-0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

LabBook: WG2085078_06302025T5.imexp

Sample: ICAL
Analysis started at: 6/30/2025 5:49:09 AM
Comments <Comment>
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9984 ppm	25.1348 ppm	1.0000 ppm	0.9992 ppm	1.0060 ppm	1.0053 ppm	10.0542 ppm
Concentration per Run 2	0.9986 ppm	24.9767 ppm	1.0006 ppm	1.0039 ppm	0.9992 ppm	0.9989 ppm	9.9912 ppm
Concentration per Run 3	1.0030 ppm	24.8884 ppm	0.9993 ppm	0.9969 ppm	0.9948 ppm	0.9958 ppm	9.9546 ppm
Concentration RSD	0.3 %	0.5 %	0.1 %	0.4 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9986 ppm	0.9992 ppm	1.0030 ppm	1.0008 ppm	25.1150 ppm	35.2343 ppm	1.0058 ppm
Concentration per Run 2	1.0010 ppm	1.0029 ppm	0.9974 ppm	0.9989 ppm	24.9747 ppm	34.9468 ppm	0.9990 ppm
Concentration per Run 3	1.0004 ppm	0.9980 ppm	0.9996 ppm	1.0004 ppm	24.9103 ppm	34.8189 ppm	0.9952 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.1 %	0.4 %	0.6 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9877 ppm	1.0052 ppm	0.9990 ppm	25.1485 ppm	1.0002 ppm	0.9995 ppm	1.0001 ppm
Concentration per Run 2	10.0038 ppm	0.9979 ppm	1.0022 ppm	24.9776 ppm	1.0014 ppm	1.0025 ppm	1.0016 ppm
Concentration per Run 3	10.0086 ppm	0.9969 ppm	0.9988 ppm	24.8738 ppm	0.9984 ppm	0.9980 ppm	0.9983 ppm
Concentration RSD	0.1 %	0.5 %	0.2 %	0.6 %	0.2 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9992 ppm	10.0197 ppm	1.0001 ppm	1.0065 ppm	1.0004 ppm	1.0024 ppm	1.0012 ppm
Concentration per Run 2	1.0044 ppm	10.0315 ppm	1.0022 ppm	0.9990 ppm	0.9996 ppm	1.0023 ppm	0.9989 ppm
Concentration per Run 3	0.9964 ppm	9.9488 ppm	0.9977 ppm	0.9944 ppm	1.0000 ppm	0.9953 ppm	0.9999 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.6 %	0.0 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	98.0403 %	96.3880 %	97.6106 %	100.7836 %	95.8333 %	98.3070 %
Concentration per Run 1	0.9985 ppm	97.6594 %	96.2509 %	97.6945 %	100.2659 %	95.8648 %	98.3495 %
Concentration per Run 2	1.0005 ppm	97.8138 %	96.5292 %	97.6307 %	100.8727 %	95.6121 %	98.3517 %
Concentration per Run 3	1.0009 ppm	98.6479 %	96.3838 %	97.5065 %	101.2122 %	96.0229 %	98.2199 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: ICV
Analysis started at: 6/30/2025 5:55:55 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5041 ppm	0.4749 ppm	0.4782 ppm	0.4846 ppm	0.4858 ppm	0.4967 ppm	0.5028 ppm
Concentration per Run 1	0.5054 ppm	0.4751 ppm	0.4782 ppm	0.4841 ppm	0.4866 ppm	0.4969 ppm	0.5074 ppm
Concentration per Run 2	0.5039 ppm	0.4777 ppm	0.4790 ppm	0.4855 ppm	0.4859 ppm	0.4963 ppm	0.4965 ppm
Concentration per Run 3	0.5031 ppm	0.4720 ppm	0.4775 ppm	0.4843 ppm	0.4851 ppm	0.4970 ppm	0.5045 ppm
Recovery Percentage 1	100.824 %	94.988 %	95.641 %	96.922 %	97.170 %	99.344 %	100.567 %
Concentration RSD	0.2 %	0.6 %	0.2 %	0.2 %	0.2 %	0.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4929 ppm	0.4997 ppm	0.5054 ppm	0.5011 ppm	0.5071 ppm	5.0339 ppm	0.4851 ppm
Concentration per Run 1	0.4923 ppm	0.4990 ppm	0.5047 ppm	0.5026 ppm	0.5074 ppm	5.0611 ppm	0.4873 ppm
Concentration per Run 2	0.4941 ppm	0.5006 ppm	0.5064 ppm	0.5002 ppm	0.5065 ppm	5.0103 ppm	0.4837 ppm
Concentration per Run 3	0.4922 ppm	0.4995 ppm	0.5050 ppm	0.5004 ppm	0.5074 ppm	5.0304 ppm	0.4842 ppm
Recovery Percentage 1	98.576 %	99.942 %	101.071 %	100.212 %	101.412 %	100.678 %	97.012 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.3 %	0.1 %	0.5 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5091 ppm	0.5044 ppm	0.4866 ppm	9.7286 ppm	0.5032 ppm	0.5042 ppm	0.4977 ppm
Concentration per Run 1	0.5118 ppm	0.5061 ppm	0.4855 ppm	9.7377 ppm	0.5034 ppm	0.5035 ppm	0.4962 ppm
Concentration per Run 2	0.5077 ppm	0.5026 ppm	0.4879 ppm	9.7062 ppm	0.5041 ppm	0.5045 ppm	0.4990 ppm
Concentration per Run 3	0.5079 ppm	0.5045 ppm	0.4864 ppm	9.7417 ppm	0.5020 ppm	0.5046 ppm	0.4979 ppm
Recovery Percentage 1	101.823 %	100.884 %	97.320 %	97.286 %	100.631 %	100.841 %	99.538 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.2 %	0.2 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4873 ppm	5.4153 ppm	0.5006 ppm	0.4828 ppm	0.4977 ppm	0.5095 ppm	0.5037 ppm
Concentration per Run 1	0.4869 ppm	5.4097 ppm	0.4990 ppm	0.4837 ppm	0.4976 ppm	0.5083 ppm	0.5028 ppm
Concentration per Run 2	0.4881 ppm	5.4274 ppm	0.5020 ppm	0.4821 ppm	0.4974 ppm	0.5085 ppm	0.5040 ppm
Concentration per Run 3	0.4869 ppm	5.4087 ppm	0.5009 ppm	0.4826 ppm	0.4981 ppm	0.5117 ppm	0.5042 ppm
Recovery Percentage 1	97.462 %	103.148 %	100.122 %	96.558 %	99.538 %	101.903 %	100.736 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.2 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4979 ppm	99.6810 %	98.8633 %	99.4300 %	102.1003 %	99.5889 %	100.5937 %
Concentration per Run 1	0.4972 ppm	98.7123 %	99.0072 %	99.2960 %	101.3338 %	99.7341 %	100.7151 %
Concentration per Run 2	0.4986 ppm	100.0866 %	98.7473 %	99.4581 %	102.6970 %	99.3309 %	100.6092 %
Concentration per Run 3	0.4981 ppm	100.2439 %	98.8353 %	99.5359 %	102.2702 %	99.7017 %	100.4566 %
Recovery Percentage 1	99.588 %						
Concentration RSD	0.1 %	0.8 %	0.1 %	0.1 %	0.7 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: ICB
Analysis started at: 6/30/2025 6:02:01 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0060 ppm	0.0016 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 1	0.0001 ppm	0.0008 ppm	0.0013 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0114 ppm	0.0011 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 3	0.0001 ppm	-0.0075 ppm	0.0026 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Recovery Percentage 1	0.635 %	-6.025 %	32.989 %	3.104 %	-0.600 %	0.379 %	2.314 %
Concentration RSD	109.8 %	103.5 %	50.0 %	33.6 %	77.6 %	143.7 %	53.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0041 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0012 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0079 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0033 ppm	-0.0003 ppm
Recovery Percentage 1	0.184 %	0.189 %	0.983 %	-0.834 %	-0.779 %	0.165 %	-5.011 %
Concentration RSD	456.6 %	265.2 %	183.2 %	102.8 %	132.3 %	82.6 %	114.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0004 ppm	0.0000 ppm	0.0019 ppm	-0.0015 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0027 ppm	-0.0001 ppm	0.0022 ppm	-0.0055 ppm	0.0000 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	0.0000 ppm	0.0018 ppm	0.0037 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 3	-0.0017 ppm	0.0001 ppm	0.0017 ppm	-0.0026 ppm	0.0001 ppm	-0.0007 ppm	-0.0012 ppm
Recovery Percentage 1	0.413 %	-0.073 %	3.781 %	-0.073 %	-0.062 %	1.259 %	-0.177 %
Concentration RSD	542.1 %	1,289.2 %	15.7 %	319.0 %	564.5 %	565.8 %	1,088.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0024 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0048 ppm	-0.0018 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0025 ppm	-0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	0.0000 ppm
Recovery Percentage 1	24.192 %	-0.240 %	0.082 %	-0.033 %	1.443 %	-3.502 %	1.283 %
Concentration RSD	100.5 %	53.2 %	694.6 %	282.7 %	86.1 %	156.8 %	99.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.1658 %	99.9857 %	100.4251 %	102.8112 %	101.0725 %	100.6324 %
Concentration per Run 1	-0.0001 ppm	101.8897 %	99.7195 %	100.5095 %	103.3929 %	100.9633 %	100.5192 %
Concentration per Run 2	-0.0001 ppm	100.9648 %	100.2991 %	100.2289 %	102.4520 %	100.9718 %	100.9140 %
Concentration per Run 3	-0.0001 ppm	100.6428 %	99.9384 %	100.5369 %	102.5888 %	101.2825 %	100.4641 %
Recovery Percentage 1	-2.465 %						
Concentration RSD	10.7 %	0.6 %	0.3 %	0.2 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: ICV
Analysis started at: 6/30/2025 6:08:27 AM
Comments <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5101 ppm	0.4838 ppm	0.4744 ppm	0.4857 ppm	0.4880 ppm	0.4913 ppm	0.5004 ppm
Concentration per Run 1	0.5106 ppm	0.4772 ppm	0.4760 ppm	0.4850 ppm	0.4912 ppm	0.4949 ppm	0.5015 ppm
Concentration per Run 2	0.5106 ppm	0.4880 ppm	0.4737 ppm	0.4861 ppm	0.4875 ppm	0.4903 ppm	0.5053 ppm
Concentration per Run 3	0.5092 ppm	0.4861 ppm	0.4736 ppm	0.4861 ppm	0.4855 ppm	0.4886 ppm	0.4945 ppm
Recovery Percentage 1	102.026 %	96.750 %	94.885 %	97.146 %	97.606 %	98.254 %	100.082 %
Concentration RSD	0.2 %	1.2 %	0.3 %	0.1 %	0.6 %	0.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4901 ppm	0.4971 ppm	0.5031 ppm	0.4981 ppm	0.5006 ppm	5.0541 ppm	0.4891 ppm
Concentration per Run 1	0.4894 ppm	0.4965 ppm	0.5030 ppm	0.4983 ppm	0.5026 ppm	5.0984 ppm	0.4929 ppm
Concentration per Run 2	0.4911 ppm	0.4977 ppm	0.5030 ppm	0.4975 ppm	0.4999 ppm	5.0405 ppm	0.4877 ppm
Concentration per Run 3	0.4898 ppm	0.4971 ppm	0.5032 ppm	0.4986 ppm	0.4994 ppm	5.0235 ppm	0.4868 ppm
Recovery Percentage 1	98.022 %	99.420 %	100.614 %	99.624 %	100.124 %	101.082 %	97.828 %
Concentration RSD	0.2 %	0.1 %	0.0 %	0.1 %	0.3 %	0.8 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5091 ppm	0.5002 ppm	0.4820 ppm	9.8111 ppm	0.5007 ppm	0.5012 ppm	0.4945 ppm
Concentration per Run 1	0.5113 ppm	0.5033 ppm	0.4805 ppm	9.8946 ppm	0.4997 ppm	0.4997 ppm	0.4929 ppm
Concentration per Run 2	0.5085 ppm	0.4998 ppm	0.4827 ppm	9.7874 ppm	0.5013 ppm	0.5009 ppm	0.4955 ppm
Concentration per Run 3	0.5076 ppm	0.4974 ppm	0.4829 ppm	9.7513 ppm	0.5010 ppm	0.5031 ppm	0.4952 ppm
Recovery Percentage 1	101.824 %	100.030 %	96.404 %	98.111 %	100.131 %	100.243 %	98.902 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.8 %	0.2 %	0.4 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4819 ppm	5.3362 ppm	0.4953 ppm	0.4839 ppm	0.4934 ppm	0.5071 ppm	0.5006 ppm
Concentration per Run 1	0.4794 ppm	5.3310 ppm	0.4936 ppm	0.4871 ppm	0.4928 ppm	0.5076 ppm	0.4993 ppm
Concentration per Run 2	0.4824 ppm	5.3422 ppm	0.4957 ppm	0.4829 ppm	0.4936 ppm	0.5080 ppm	0.5005 ppm
Concentration per Run 3	0.4838 ppm	5.3356 ppm	0.4964 ppm	0.4816 ppm	0.4937 ppm	0.5058 ppm	0.5019 ppm
Recovery Percentage 1	96.382 %	101.642 %	99.050 %	96.775 %	98.672 %	101.423 %	100.111 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.6 %	0.1 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4950 ppm	99.6907 %	98.4880 %	99.2474 %	102.1718 %	99.5532 %	100.1549 %
Concentration per Run 1	0.4941 ppm	98.7828 %	98.5601 %	99.1658 %	101.1786 %	99.6195 %	99.9591 %
Concentration per Run 2	0.4958 ppm	99.7737 %	98.6460 %	99.1060 %	102.3600 %	99.3368 %	100.2618 %
Concentration per Run 3	0.4950 ppm	100.5156 %	98.2579 %	99.4704 %	102.9769 %	99.7033 %	100.2439 %
Recovery Percentage 1	98.998 %						
Concentration RSD	0.2 %	0.9 %	0.2 %	0.2 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: ICB
Analysis started at: 6/30/2025 6:14:38 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0037 ppm	0.0007 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 1	0.0005 ppm	-0.0071 ppm	0.0019 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run 2	0.0002 ppm	-0.0063 ppm	-0.0004 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	-0.0002 ppm	0.0022 ppm	0.0006 ppm	0.0010 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm
Recovery Percentage 1	2.221 %	-3.739 %	13.781 %	3.444 %	-0.849 %	-0.220 %	2.357 %
Concentration RSD	220.2 %	137.5 %	169.3 %	18.1 %	104.9 %	101.7 %	71.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0007 ppm	0.0126 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0009 ppm	-0.0105 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0014 ppm	-0.0037 ppm	0.0005 ppm
Recovery Percentage 1	-0.411 %	-0.075 %	-0.994 %	-1.781 %	-1.932 %	-0.022 %	5.072 %
Concentration RSD	197.3 %	425.9 %	47.6 %	36.7 %	36.9 %	2,164.7 %	123.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0006 ppm	0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0021 ppm
Concentration per Run 1	0.0004 ppm	0.0002 ppm	0.0020 ppm	0.0042 ppm	0.0001 ppm	0.0004 ppm	0.0028 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0018 ppm	-0.0026 ppm	0.0003 ppm	0.0007 ppm	0.0019 ppm
Concentration per Run 3	0.0008 ppm	0.0002 ppm	0.0016 ppm	-0.0014 ppm	0.0002 ppm	0.0007 ppm	0.0017 ppm
Recovery Percentage 1	0.632 %	1.428 %	3.589 %	0.003 %	0.882 %	5.622 %	4.226 %
Concentration RSD	33.4 %	92.9 %	13.3 %	6,417.9 %	51.4 %	31.0 %	27.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	-0.0026 ppm	0.0004 ppm	0.0000 ppm	0.0004 ppm	-0.0018 ppm	0.0001 ppm
Concentration per Run 1	0.0005 ppm	-0.0029 ppm	0.0006 ppm	0.0000 ppm	0.0005 ppm	-0.0022 ppm	0.0001 ppm
Concentration per Run 2	0.0023 ppm	-0.0022 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 3	0.0037 ppm	-0.0026 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0016 ppm	0.0000 ppm
Recovery Percentage 1	21.765 %	-0.510 %	0.798 %	0.112 %	3.552 %	-8.844 %	0.925 %
Concentration RSD	73.0 %	14.2 %	44.3 %	456.0 %	63.5 %	22.9 %	55.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.3992 %	99.9326 %	100.4353 %	102.0151 %	101.3086 %	100.4672 %
Concentration per Run 1	-0.0001 ppm	101.1747 %	99.8238 %	100.4306 %	102.1908 %	101.3303 %	100.2712 %
Concentration per Run 2	-0.0002 ppm	101.7891 %	100.0162 %	100.7371 %	102.3311 %	101.3977 %	100.4336 %
Concentration per Run 3	-0.0001 ppm	101.2337 %	99.9579 %	100.1381 %	101.5234 %	101.1977 %	100.6968 %
Recovery Percentage 1	-2.706 %						
Concentration RSD	35.5 %	0.3 %	0.1 %	0.3 %	0.4 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: LLOQ RL
Analysis started at: 6/30/2025 6:21:04 AM
Comments <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0054 ppm	0.0984 ppm	0.0054 ppm	0.0302 ppm	0.0099 ppm	0.0051 ppm	0.1123 ppm
Concentration per Run 1	0.0055 ppm	0.0991 ppm	0.0040 ppm	0.0306 ppm	0.0098 ppm	0.0050 ppm	0.1102 ppm
Concentration per Run 2	0.0052 ppm	0.0990 ppm	0.0059 ppm	0.0302 ppm	0.0099 ppm	0.0051 ppm	0.1113 ppm
Concentration per Run 3	0.0054 ppm	0.0970 ppm	0.0062 ppm	0.0300 ppm	0.0101 ppm	0.0051 ppm	0.1153 ppm
Recovery Percentage 1	107.215 %	98.369 %	107.023 %	100.820 %	99.295 %	101.351 %	112.268 %
Concentration RSD	2.4 %	1.2 %	22.0 %	1.0 %	1.7 %	0.5 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0102 ppm	0.0103 ppm	0.0101 ppm	0.0539 ppm	2.5246 ppm	0.0106 ppm
Concentration per Run 1	0.0040 ppm	0.0102 ppm	0.0100 ppm	0.0103 ppm	0.0528 ppm	2.5045 ppm	0.0109 ppm
Concentration per Run 2	0.0040 ppm	0.0103 ppm	0.0106 ppm	0.0100 ppm	0.0543 ppm	2.5199 ppm	0.0103 ppm
Concentration per Run 3	0.0041 ppm	0.0102 ppm	0.0103 ppm	0.0101 ppm	0.0547 ppm	2.5493 ppm	0.0108 ppm
Recovery Percentage 1	101.111 %	102.000 %	103.250 %	101.229 %	107.806 %	100.982 %	106.416 %
Concentration RSD	0.8 %	0.6 %	2.9 %	1.4 %	1.9 %	0.9 %	3.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1065 ppm	0.0100 ppm	0.0493 ppm	1.9490 ppm	0.0200 ppm	0.0103 ppm	0.0509 ppm
Concentration per Run 1	0.1059 ppm	0.0096 ppm	0.0492 ppm	1.9375 ppm	0.0202 ppm	0.0102 ppm	0.0508 ppm
Concentration per Run 2	0.1062 ppm	0.0101 ppm	0.0494 ppm	1.9487 ppm	0.0198 ppm	0.0103 ppm	0.0503 ppm
Concentration per Run 3	0.1074 ppm	0.0103 ppm	0.0492 ppm	1.9607 ppm	0.0200 ppm	0.0103 ppm	0.0516 ppm
Recovery Percentage 1	106.491 %	100.039 %	98.542 %	97.448 %	99.949 %	102.733 %	101.833 %
Concentration RSD	0.8 %	3.3 %	0.2 %	0.6 %	0.9 %	1.0 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0098 ppm	0.5156 ppm	0.0504 ppm	0.0099 ppm	0.0102 ppm	0.0195 ppm	0.0102 ppm
Concentration per Run 1	0.0091 ppm	0.5166 ppm	0.0502 ppm	0.0098 ppm	0.0102 ppm	0.0189 ppm	0.0103 ppm
Concentration per Run 2	0.0096 ppm	0.5153 ppm	0.0508 ppm	0.0099 ppm	0.0100 ppm	0.0208 ppm	0.0101 ppm
Concentration per Run 3	0.0107 ppm	0.5149 ppm	0.0501 ppm	0.0100 ppm	0.0102 ppm	0.0189 ppm	0.0102 ppm
Recovery Percentage 1	98.275 %	103.116 %	100.752 %	98.912 %	101.621 %	97.743 %	101.749 %
Concentration RSD	8.2 %	0.2 %	0.7 %	0.8 %	1.0 %	5.5 %	1.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0054 ppm	100.8473 %	99.0803 %	99.4867 %	103.0909 %	100.5041 %	100.7237 %
Concentration per Run 1	0.0055 ppm	101.2883 %	98.9724 %	99.2867 %	103.8588 %	100.2702 %	100.7947 %
Concentration per Run 2	0.0054 ppm	100.8311 %	98.9939 %	99.5928 %	103.1311 %	100.5175 %	100.7051 %
Concentration per Run 3	0.0055 ppm	100.4225 %	99.2746 %	99.5806 %	102.2829 %	100.7245 %	100.6713 %
Recovery Percentage 1	108.965 %						
Concentration RSD	0.7 %	0.4 %	0.2 %	0.2 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: ICSA
Analysis started at: 6/30/2025 6:27:30 AM
Comments <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0013 ppm	507.8921 [SIC 500]	-0.0003 ppm	0.0047 ppm	0.0019 ppm	-0.0001 ppm	469.7909 ppm
Concentration per Run 1	-0.0011 ppm	510.8563 ppm	-0.0027 ppm	0.0053 ppm	0.0019 ppm	-0.0001 ppm	479.0156 ppm
Concentration per Run 2	-0.0011 ppm	505.1251 ppm	0.0018 ppm	0.0040 ppm	0.0019 ppm	0.0000 ppm	463.8947 ppm
Concentration per Run 3	-0.0017 ppm	507.6949 ppm	-0.0002 ppm	0.0046 ppm	0.0019 ppm	-0.0001 ppm	466.4623 ppm
Recovery Percentage 1	-18.255 %	507,892.133 %	-6.647 %	15.561 %	18.929 %	-1.518 %	469,790.869 %
Concentration RSD	28.1 %	0.6 %	674.7 %	14.0 %	1.2 %	60.1 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0075 ppm	0.0003 ppm	0.0016 ppm	0.0047 ppm	183.1075 ppm	0.0867 ppm	0.0002 ppm
Concentration per Run 1	-0.0076 ppm	0.0003 ppm	0.0015 ppm	0.0043 ppm	184.0771 ppm	0.0772 ppm	0.0013 ppm
Concentration per Run 2	-0.0075 ppm	0.0004 ppm	0.0016 ppm	0.0049 ppm	182.4287 ppm	0.0940 ppm	-0.0011 ppm
Concentration per Run 3	-0.0074 ppm	0.0004 ppm	0.0016 ppm	0.0048 ppm	182.8167 ppm	0.0890 ppm	0.0004 ppm
Recovery Percentage 1	-187.157 %	1.712 %	15.785 %	46.586 %	366,214.982 %	3.469 %	2.118 %
Concentration RSD	1.4 %	21.5 %	5.7 %	6.5 %	0.5 %	9.9 %	563.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	479.7433 ppm	-0.0003 ppm	0.0000 ppm	0.0436 ppm	-0.0020 ppm	-0.0142 ppm	0.0063 ppm
Concentration per Run 1	479.9326 ppm	0.0000 ppm	0.0002 ppm	0.0513 ppm	-0.0017 ppm	-0.0139 ppm	0.0086 ppm
Concentration per Run 2	479.7415 ppm	-0.0006 ppm	-0.0004 ppm	0.0392 ppm	-0.0019 ppm	-0.0151 ppm	0.0060 ppm
Concentration per Run 3	479.5558 ppm	-0.0002 ppm	0.0002 ppm	0.0402 ppm	-0.0023 ppm	-0.0137 ppm	0.0042 ppm
Recovery Percentage 1	479,743.321 %	-2.877 %	0.039 %	2.179 %	-7.964 %	-142.457 %	12.529 %
Concentration RSD	0.0 %	111.6 %	1,755.1 %	15.4 %	16.8 %	5.1 %	35.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0055 ppm	-0.0055 ppm	0.0013 ppm	0.0054 ppm	-0.0023 ppm	0.0015 ppm	-0.0011 ppm
Concentration per Run 1	0.0033 ppm	-0.0050 ppm	0.0030 ppm	0.0055 ppm	-0.0023 ppm	0.0044 ppm	-0.0011 ppm
Concentration per Run 2	0.0046 ppm	-0.0059 ppm	0.0002 ppm	0.0053 ppm	-0.0021 ppm	-0.0006 ppm	-0.0010 ppm
Concentration per Run 3	0.0087 ppm	-0.0055 ppm	0.0008 ppm	0.0053 ppm	-0.0025 ppm	0.0006 ppm	-0.0014 ppm
Recovery Percentage 1	55.462 %	-1.092 %	2.644 %	53.919 %	-22.783 %	7.250 %	-11.376 %
Concentration RSD	50.7 %	8.7 %	112.3 %	1.6 %	7.7 %	178.6 %	19.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0027 ppm	93.3581 %	85.6436 %	86.9967 %	95.0387 %	76.0896 %	86.8945 %
Concentration per Run 1	0.0027 ppm	92.3862 %	85.4839 %	86.8659 %	93.9553 %	75.9353 %	86.7464 %
Concentration per Run 2	0.0028 ppm	93.8496 %	85.6391 %	87.0329 %	95.9089 %	75.8914 %	86.7944 %
Concentration per Run 3	0.0027 ppm	93.8384 %	85.8078 %	87.0915 %	95.2517 %	76.4420 %	87.1427 %
Recovery Percentage 1	54.582 %						
Concentration RSD	2.5 %	0.9 %	0.2 %	0.1 %	1.0 %	0.4 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: SIC Multi
Analysis started at: 6/30/2025 6:34:16 AM
Comments <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0171 ppm	-0.0090 ppm	0.0014 ppm	0.0001 ppm	-0.0044 ppm	0.0185 ppm
Concentration per Run 1	-0.0002 ppm	0.0204 ppm	-0.0105 ppm	0.0012 ppm	0.0001 ppm	-0.0043 ppm	0.0156 ppm
Concentration per Run 2	0.0001 ppm	0.0120 ppm	-0.0089 ppm	0.0015 ppm	0.0001 ppm	-0.0044 ppm	0.0196 ppm
Concentration per Run 3	0.0002 ppm	0.0189 ppm	-0.0076 ppm	0.0014 ppm	0.0000 ppm	-0.0045 ppm	0.0204 ppm
Recovery Percentage 1	0.389 %	17.095 %	-179.933 %	4.646 %	0.900 %	-88.517 %	18.498 %
Concentration RSD	740.0 %	26.1 %	16.0 %	11.0 %	84.4 %	2.1 %	13.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	-0.0063 ppm	**20.4039 ppm**	-0.0036 ppm	-0.0090 ppm	-0.0061 ppm	0.0001 ppm
Concentration per Run 1	0.0005 ppm	-0.0066 ppm	20.3938 ppm	-0.0033 ppm	-0.0097 ppm	-0.0082 ppm	-0.0004 ppm
Concentration per Run 2	0.0005 ppm	-0.0060 ppm	20.4184 ppm	-0.0042 ppm	-0.0078 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 3	0.0006 ppm	-0.0063 ppm	20.3996 ppm	-0.0034 ppm	-0.0096 ppm	-0.0117 ppm	0.0009 ppm
Recovery Percentage 1	13.572 %	-31.537 %	204,039.497 %	-36.288 %	-18.004 %	-0.244 %	1.340 %
Concentration RSD	1.5 %	4.7 %	**0.1 %**	13.9 %	12.0 %	112.5 %	504.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0529 ppm	**19.7137 ppm**	0.0052 ppm	0.0028 ppm	0.0002 ppm	0.0027 ppm	-0.0701 ppm
Concentration per Run 1	0.0557 ppm	19.7041 ppm	0.0053 ppm	0.0056 ppm	0.0002 ppm	0.0038 ppm	-0.0723 ppm
Concentration per Run 2	0.0513 ppm	19.7257 ppm	0.0053 ppm	-0.0017 ppm	0.0001 ppm	0.0022 ppm	-0.0675 ppm
Concentration per Run 3	0.0518 ppm	19.7114 ppm	0.0051 ppm	0.0044 ppm	0.0003 ppm	0.0021 ppm	-0.0706 ppm
Recovery Percentage 1	52.923 %	197,137.486 %	10.425 %	0.139 %	0.808 %	26.978 %	-140.293 %
Concentration RSD	4.6 %	**0.1 %**	1.8 %	141.4 %	50.9 %	35.5 %	3.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0067 ppm	0.0900 ppm	-0.0003 ppm	0.0002 ppm	**19.9306 ppm**	-0.0349 ppm	**10.2529 [SIC 10]**
Concentration per Run 1	-0.0084 ppm	0.0937 ppm	-0.0004 ppm	0.0002 ppm	19.9587 ppm	-0.0365 ppm	10.2527 ppm
Concentration per Run 2	-0.0064 ppm	0.0920 ppm	-0.0002 ppm	0.0002 ppm	19.8597 ppm	-0.0346 ppm	10.2059 ppm
Concentration per Run 3	-0.0053 ppm	0.0844 ppm	-0.0004 ppm	0.0002 ppm	19.9735 ppm	-0.0337 ppm	10.3001 ppm
Recovery Percentage 1	-67.022 %	18.004 %	-0.621 %	2.349 %	199,306.440 %	-174.704 %	102,528.898 %
Concentration RSD	23.3 %	5.5 %	44.5 %	3.6 %	**0.3 %**	4.0 %	**0.5 %**

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0036 ppm	101.9726 %	98.9567 %	100.2123 %	104.0610 %	99.7772 %	100.3765 %
Concentration per Run 1	-0.0035 ppm	103.5681 %	99.1370 %	100.0903 %	105.3181 %	99.4795 %	100.4869 %
Concentration per Run 2	-0.0038 ppm	101.5719 %	98.8717 %	100.3028 %	103.4282 %	99.9392 %	100.1997 %
Concentration per Run 3	-0.0035 ppm	100.7778 %	98.8615 %	100.2438 %	103.4365 %	99.9129 %	100.4429 %
Recovery Percentage 1	-72.391 %						
Concentration RSD	5.5 %	1.4 %	0.2 %	0.1 %	1.0 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: LDR Check
Analysis started at: 6/30/2025 6:41:12 AM
Comments <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0011 ppm	0.0216 ppm	5.4967 ppm	5.0501 [SIC 20]	9.8254 ppm	0.0006 ppm	0.0248 ppm
Concentration per Run 1	0.0006 ppm	0.0152 ppm	5.4890 ppm	5.0414 ppm	9.8198 ppm	0.0006 ppm	0.0243 ppm
Concentration per Run 2	0.0016 ppm	0.0282 ppm	5.5175 ppm	5.0679 ppm	9.8882 ppm	0.0006 ppm	0.0235 ppm
Concentration per Run 3	0.0012 ppm	0.0213 ppm	5.4837 ppm	5.0409 ppm	9.7682 ppm	0.0006 ppm	0.0265 ppm
Recovery Percentage 1	0.000 %	0.000 %	109.935 %	101.001 %	98.254 %	0.000 %	0.000 %
Concentration RSD	44.1 %	30.4 %	0.3 %	0.3 %	0.6 %	7.4 %	6.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0011 ppm	0.0006 ppm	20.2650 [SIC 50]	0.0060 ppm	317.2752 ppm	5.3311 ppm
Concentration per Run 1	-0.0003 ppm	0.0012 ppm	0.0007 ppm	20.2762 ppm	0.0056 ppm	317.5954 ppm	5.3046 ppm
Concentration per Run 2	-0.0003 ppm	0.0010 ppm	0.0010 ppm	20.2520 ppm	0.0056 ppm	317.4226 ppm	5.3430 ppm
Concentration per Run 3	-0.0004 ppm	0.0010 ppm	0.0000 ppm	20.2666 ppm	0.0067 ppm	316.8077 ppm	5.3456 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	101.325 %	0.000 %	105.758 %	106.622 %
Concentration RSD	11.3 %	14.1 %	86.9 %	0.1 %	10.2 %	0.1 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0326 ppm	0.0013 ppm	5.0205 [SIC 20]	458.6479 ppm	10.0080 [SIC 20]	48.6443 ppm	0.0234 ppm
Concentration per Run 1	0.0335 ppm	0.0014 ppm	5.0096 ppm	466.1611 ppm	9.9998 ppm	48.6094 ppm	0.0231 ppm
Concentration per Run 2	0.0324 ppm	0.0014 ppm	5.0400 ppm	456.4137 ppm	10.0423 ppm	48.7936 ppm	0.0233 ppm
Concentration per Run 3	0.0321 ppm	0.0011 ppm	5.0119 ppm	453.3688 ppm	9.9818 ppm	48.5300 ppm	0.0238 ppm
Recovery Percentage 1	0.000 %	0.000 %	100.410 %	91.730 %	100.080 %	97.289 %	0.000 %
Concentration RSD	2.3 %	13.9 %	0.3 %	1.5 %	0.3 %	0.3 %	1.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	21.9837 [SIC 200]	0.0036 ppm	0.0010 ppm	0.0032 ppm	-0.0015 ppm	0.0076 ppm
Concentration per Run 1	0.0017 ppm	21.9540 ppm	0.0038 ppm	0.0010 ppm	0.0040 ppm	-0.0011 ppm	0.0076 ppm
Concentration per Run 2	-0.0013 ppm	22.0626 ppm	0.0036 ppm	0.0010 ppm	0.0030 ppm	-0.0026 ppm	0.0077 ppm
Concentration per Run 3	-0.0032 ppm	21.9345 ppm	0.0035 ppm	0.0010 ppm	0.0027 ppm	-0.0009 ppm	0.0074 ppm
Recovery Percentage 1	0.000 %	109.918 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	268.0 %	0.3 %	4.4 %	0.8 %	20.5 %	57.5 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.5165 [SIC 50]	96.2057 %	87.1759 %	83.0371 %	98.0012 %	87.9595 %	88.6052 %
Concentration per Run 1	20.5076 ppm	96.0022 %	87.2093 %	82.7827 %	97.9706 %	88.0391 %	88.6349 %
Concentration per Run 2	20.5730 ppm	96.4646 %	87.0577 %	83.3603 %	98.1165 %	87.7223 %	88.5349 %
Concentration per Run 3	20.4687 ppm	96.1502 %	87.2608 %	82.9685 %	97.9165 %	88.1170 %	88.6457 %
Recovery Percentage 1	102.582 %						
Concentration RSD	0.3 %	0.2 %	0.1 %	0.4 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: IEC 500 Al -Pb
Analysis started at: 6/30/2025 6:58:49 AM
Comments <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	466.2634 ppm	0.0012 ppm	0.0048 ppm	0.0001 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run 1	0.0001 ppm	469.6662 ppm	0.0010 ppm	0.0043 ppm	0.0000 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run 2	0.0000 ppm	464.7873 ppm	0.0035 ppm	0.0049 ppm	0.0000 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 3	0.0002 ppm	464.3367 ppm	-0.0010 ppm	0.0053 ppm	0.0001 ppm	0.0000 ppm	0.0061 ppm
Recovery Percentage 1	1.769 %	466,263.398 %	23.695 %	16.080 %	0.500 %	0.493 %	4.470 %
Concentration RSD	97.2 %	0.6 %	188.5 %	10.6 %	51.9 %	47.4 %	33.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0021 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0067 ppm	0.0816 ppm	-0.0003 ppm
Concentration per Run 1	-0.0021 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	-0.0069 ppm	0.0820 ppm	0.0004 ppm
Concentration per Run 2	-0.0021 ppm	-0.0002 ppm	0.0004 ppm	0.0003 ppm	-0.0068 ppm	0.0776 ppm	-0.0013 ppm
Concentration per Run 3	-0.0021 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0066 ppm	0.0850 ppm	-0.0001 ppm
Recovery Percentage 1	-52.582 %	-0.555 %	3.641 %	2.697 %	-13.477 %	3.262 %	-3.409 %
Concentration RSD	0.9 %	90.5 %	10.9 %	37.2 %	2.4 %	4.6 %	253.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0012 ppm	-0.0009 ppm	0.0020 ppm	0.0729 ppm	0.0020 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run 1	-0.0009 ppm	-0.0009 ppm	0.0020 ppm	0.0745 ppm	0.0022 ppm	0.0003 ppm	0.0055 ppm
Concentration per Run 2	-0.0013 ppm	-0.0010 ppm	0.0021 ppm	0.0684 ppm	0.0018 ppm	0.0012 ppm	0.0066 ppm
Concentration per Run 3	-0.0013 ppm	-0.0009 ppm	0.0019 ppm	0.0756 ppm	0.0021 ppm	-0.0016 ppm	0.0071 ppm
Recovery Percentage 1	-1.169 %	-9.341 %	4.026 %	3.643 %	8.009 %	-0.098 %	12.830 %
Concentration RSD	23.5 %	9.0 %	5.4 %	5.3 %	10.2 %	14,523.5 %	12.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0070 ppm	-0.0015 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0027 ppm	0.0000 ppm
Concentration per Run 1	0.0019 ppm	-0.0025 ppm	-0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0024 ppm	0.0001 ppm
Concentration per Run 2	0.0085 ppm	-0.0011 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0045 ppm	-0.0003 ppm
Concentration per Run 3	0.0105 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0002 ppm
Recovery Percentage 1	69.629 %	-0.309 %	-0.360 %	-0.237 %	2.613 %	-13.722 %	0.109 %
Concentration RSD	64.7 %	54.6 %	223.5 %	171.1 %	45.3 %	59.3 %	2,237.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0034 ppm	104.1469 %	95.7084 %	102.8156 %	105.7541 %	93.2282 %	97.2505 %
Concentration per Run 1	0.0035 ppm	103.3882 %	95.6254 %	102.9129 %	105.3434 %	93.0046 %	97.1918 %
Concentration per Run 2	0.0033 ppm	104.8412 %	95.8314 %	102.9336 %	106.0149 %	93.4366 %	97.3656 %
Concentration per Run 3	0.0034 ppm	104.2114 %	95.6682 %	102.6003 %	105.9040 %	93.2436 %	97.1942 %
Recovery Percentage 1	68.474 %						
Concentration RSD	2.6 %	0.7 %	0.1 %	0.2 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: IEC 200 Fe +As
Analysis started at: 6/30/2025 7:06:13 AM
Comments <Comment>
Rack: 1
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0014 ppm	0.0056 ppm	0.0000 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 1	-0.0013 ppm	0.0075 ppm	-0.0007 ppm	0.0020 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 2	-0.0013 ppm	0.0040 ppm	-0.0001 ppm	0.0027 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run 3	-0.0017 ppm	0.0055 ppm	0.0009 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0083 ppm
Recovery Percentage 1	-20.101 %	5.646 %	0.105 %	7.437 %	0.861 %	0.862 %	3.466 %
Concentration RSD	16.7 %	30.9 %	15,120.9 %	16.9 %	31.9 %	49.9 %	120.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0015 ppm	0.0001 ppm	0.0011 ppm	0.0018 ppm	**205.9300 [SIC 600]**	0.0115 ppm	-0.0007 ppm
Concentration per Run 1	-0.0015 ppm	0.0001 ppm	0.0010 ppm	0.0019 ppm	206.1806 ppm	0.0068 ppm	-0.0009 ppm
Concentration per Run 2	-0.0014 ppm	0.0000 ppm	0.0013 ppm	0.0019 ppm	204.8225 ppm	0.0253 ppm	-0.0006 ppm
Concentration per Run 3	-0.0014 ppm	0.0001 ppm	0.0009 ppm	0.0018 ppm	206.7869 ppm	0.0023 ppm	-0.0007 ppm
Recovery Percentage 1	-36.269 %	0.317 %	10.977 %	18.248 %	411,859.930 %	0.458 %	-7.182 %
Concentration RSD	5.3 %	63.3 %	17.0 %	3.0 %	**0.5 %**	106.2 %	26.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0037 ppm	-0.0002 ppm	-0.0008 ppm	0.0177 ppm	-0.0051 ppm	-0.0008 ppm	-0.0031 ppm
Concentration per Run 1	-0.0036 ppm	-0.0002 ppm	-0.0009 ppm	0.0265 ppm	-0.0051 ppm	-0.0003 ppm	-0.0027 ppm
Concentration per Run 2	-0.0032 ppm	-0.0002 ppm	-0.0008 ppm	0.0141 ppm	-0.0051 ppm	-0.0010 ppm	-0.0031 ppm
Concentration per Run 3	-0.0042 ppm	-0.0002 ppm	-0.0008 ppm	0.0124 ppm	-0.0051 ppm	-0.0010 ppm	-0.0034 ppm
Recovery Percentage 1	-3.687 %	-2.031 %	-1.643 %	0.883 %	-20.402 %	-7.569 %	-6.160 %
Concentration RSD	13.2 %	18.9 %	11.7 %	43.5 %	0.3 %	51.8 %	11.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0038 ppm	0.0008 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0021 ppm	-0.0010 ppm
Concentration per Run 1	0.0057 ppm	0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0032 ppm	-0.0008 ppm
Concentration per Run 2	0.0010 ppm	0.0005 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0020 ppm	-0.0011 ppm
Concentration per Run 3	0.0048 ppm	0.0010 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	-0.0010 ppm
Recovery Percentage 1	38.136 %	0.154 %	1.349 %	2.379 %	1.164 %	10.431 %	-9.578 %
Concentration RSD	65.7 %	27.2 %	17.5 %	33.0 %	138.7 %	51.0 %	15.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0019 ppm	100.6294 %	98.0273 %	98.3497 %	102.1303 %	96.2677 %	99.1516 %
Concentration per Run 1	-0.0020 ppm	100.4924 %	97.8432 %	98.3005 %	102.6421 %	96.2333 %	99.0929 %
Concentration per Run 2	-0.0018 ppm	100.6490 %	97.9044 %	98.2834 %	101.9781 %	96.3422 %	98.8601 %
Concentration per Run 3	-0.0019 ppm	100.7467 %	98.3342 %	98.4653 %	101.7707 %	96.2277 %	99.5017 %
Recovery Percentage 1	-37.968 %						
Concentration RSD	4.2 %	0.1 %	0.3 %	0.1 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: TEST ICV 0716DHL
Analysis started at: 6/30/2025 7:23:52 AM
Comments <Comment>
Rack: 1
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5152 ppm	0.4761 ppm	0.4788 ppm	0.4914 ppm	0.4869 ppm	0.4970 ppm	0.5068 ppm
Concentration per Run 1	0.5171 ppm	0.4674 ppm	0.4765 ppm	0.4905 ppm	0.4815 ppm	0.4908 ppm	0.4984 ppm
Concentration per Run 2	0.5139 ppm	0.4833 ppm	0.4800 ppm	0.4915 ppm	0.4899 ppm	0.5001 ppm	0.5069 ppm
Concentration per Run 3	0.5148 ppm	0.4775 ppm	0.4800 ppm	0.4921 ppm	0.4893 ppm	0.5000 ppm	0.5149 ppm
Concentration RSD	0.3 %	1.7 %	0.4 %	0.2 %	1.0 %	1.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4875 ppm	0.4943 ppm	0.5014 ppm	0.4982 ppm	0.4954 ppm	5.0957 ppm	0.5080 ppm
Concentration per Run 1	0.4874 ppm	0.4937 ppm	0.5014 ppm	0.4975 ppm	0.4911 ppm	5.0258 ppm	0.5026 ppm
Concentration per Run 2	0.4879 ppm	0.4949 ppm	0.5021 ppm	0.4981 ppm	0.4988 ppm	5.1362 ppm	0.5121 ppm
Concentration per Run 3	0.4871 ppm	0.4944 ppm	0.5007 ppm	0.4990 ppm	0.4962 ppm	5.1250 ppm	0.5091 ppm
Concentration RSD	0.1 %	0.1 %	0.1 %	0.1 %	0.8 %	1.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5204 ppm	0.4994 ppm	0.4911 ppm	10.0157 ppm	0.5049 ppm	0.5066 ppm	0.4958 ppm
Concentration per Run 1	0.5198 ppm	0.4935 ppm	0.4907 ppm	9.8897 ppm	0.5045 ppm	0.5074 ppm	0.4960 ppm
Concentration per Run 2	0.5213 ppm	0.5022 ppm	0.4912 ppm	10.0936 ppm	0.5056 ppm	0.5065 ppm	0.4974 ppm
Concentration per Run 3	0.5202 ppm	0.5024 ppm	0.4913 ppm	10.0638 ppm	0.5046 ppm	0.5058 ppm	0.4941 ppm
Concentration RSD	0.1 %	1.0 %	0.1 %	1.1 %	0.1 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4889 ppm	5.4625 ppm	0.5109 ppm	0.4896 ppm	0.5012 ppm	0.5209 ppm	0.5042 ppm
Concentration per Run 1	0.4887 ppm	5.4629 ppm	0.5110 ppm	0.4837 ppm	0.5012 ppm	0.5209 ppm	0.5037 ppm
Concentration per Run 2	0.4882 ppm	5.4673 ppm	0.5115 ppm	0.4932 ppm	0.5007 ppm	0.5217 ppm	0.5047 ppm
Concentration per Run 3	0.4898 ppm	5.4574 ppm	0.5101 ppm	0.4918 ppm	0.5017 ppm	0.5202 ppm	0.5041 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4966 ppm	101.9692 %	99.2555 %	100.5490 %	101.7301 %	99.2605 %	99.1840 %
Concentration per Run 1	0.4964 ppm	103.0682 %	99.1094 %	100.5037 %	103.0119 %	99.2729 %	98.9807 %
Concentration per Run 2	0.4971 ppm	101.4464 %	99.3187 %	100.4552 %	101.0911 %	99.1056 %	99.2885 %
Concentration per Run 3	0.4964 ppm	101.3931 %	99.3383 %	100.6882 %	101.0874 %	99.4029 %	99.2828 %
Concentration RSD	0.1 %	0.9 %	0.1 %	0.1 %	1.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 7:29:58 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5131 ppm	0.4719 ppm	0.4837 ppm	0.4909 ppm	0.4823 ppm	0.4979 ppm	0.4956 ppm
Concentration per Run 1	0.5126 ppm	0.4629 ppm	0.4839 ppm	0.4891 ppm	0.4795 ppm	0.4951 ppm	0.4963 ppm
Concentration per Run 2	0.5120 ppm	0.4731 ppm	0.4840 ppm	0.4929 ppm	0.4823 ppm	0.4995 ppm	0.4960 ppm
Concentration per Run 3	0.5145 ppm	0.4798 ppm	0.4831 ppm	0.4907 ppm	0.4851 ppm	0.4992 ppm	0.4945 ppm
Recovery Percentage 1	102.612 %	94.384 %	96.736 %	98.180 %	96.457 %	99.584 %	99.120 %
Concentration RSD	0.3 %	1.8 %	0.1 %	0.4 %	0.6 %	0.5 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4937 ppm	0.5009 ppm	0.5078 ppm	0.5043 ppm	0.4947 ppm	5.0529 ppm	0.4867 ppm
Concentration per Run 1	0.4939 ppm	0.5005 ppm	0.5065 ppm	0.5036 ppm	0.4922 ppm	5.0281 ppm	0.4841 ppm
Concentration per Run 2	0.4944 ppm	0.5024 ppm	0.5083 ppm	0.5043 ppm	0.4969 ppm	5.0590 ppm	0.4881 ppm
Concentration per Run 3	0.4929 ppm	0.4999 ppm	0.5086 ppm	0.5049 ppm	0.4949 ppm	5.0716 ppm	0.4880 ppm
Recovery Percentage 1	98.745 %	100.189 %	101.564 %	100.853 %	98.931 %	101.058 %	97.348 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.1 %	0.5 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5228 ppm	0.5005 ppm	0.4971 ppm	9.8852 ppm	0.5098 ppm	0.5123 ppm	0.5032 ppm
Concentration per Run 1	0.5261 ppm	0.4968 ppm	0.4964 ppm	9.8198 ppm	0.5093 ppm	0.5103 ppm	0.5035 ppm
Concentration per Run 2	0.5210 ppm	0.5025 ppm	0.4984 ppm	9.9069 ppm	0.5111 ppm	0.5143 ppm	0.5053 ppm
Concentration per Run 3	0.5212 ppm	0.5020 ppm	0.4966 ppm	9.9288 ppm	0.5089 ppm	0.5122 ppm	0.5010 ppm
Recovery Percentage 1	104.551 %	100.093 %	99.430 %	98.852 %	101.958 %	102.453 %	100.647 %
Concentration RSD	0.6 %	0.6 %	0.2 %	0.6 %	0.2 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4974 ppm	5.4601 ppm	0.5110 ppm	0.4794 ppm	0.5066 ppm	0.5238 ppm	0.5103 ppm
Concentration per Run 1	0.4936 ppm	5.4530 ppm	0.5095 ppm	0.4765 ppm	0.5066 ppm	0.5210 ppm	0.5107 ppm
Concentration per Run 2	0.5007 ppm	5.4755 ppm	0.5128 ppm	0.4797 ppm	0.5066 ppm	0.5271 ppm	0.5103 ppm
Concentration per Run 3	0.4978 ppm	5.4516 ppm	0.5107 ppm	0.4818 ppm	0.5066 ppm	0.5232 ppm	0.5098 ppm
Recovery Percentage 1	99.473 %	104.001 %	102.200 %	95.873 %	101.321 %	104.754 %	102.055 %
Concentration RSD	0.7 %	0.2 %	0.3 %	0.6 %	0.0 %	0.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5008 ppm	102.2273 %	98.9690 %	100.0357 %	102.0602 %	99.0402 %	99.2277 %
Concentration per Run 1	0.5009 ppm	103.3181 %	99.1978 %	99.8881 %	102.9131 %	99.1468 %	99.4062 %
Concentration per Run 2	0.5014 ppm	101.4117 %	98.9045 %	100.0565 %	101.5255 %	98.6739 %	99.2410 %
Concentration per Run 3	0.5000 ppm	101.9522 %	98.8045 %	100.1624 %	101.7420 %	99.3000 %	99.0360 %
Recovery Percentage 1	100.154 %						
Concentration RSD	0.1 %	1.0 %	0.2 %	0.1 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 7:36:04 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0039 ppm	0.0000 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	0.0032 ppm	-0.0002 ppm	0.0022 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 2	-0.0001 ppm	-0.0031 ppm	0.0004 ppm	0.0025 ppm	-0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	0.0003 ppm	-0.0118 ppm	-0.0002 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Recovery Percentage 1	1.611 %	-3.890 %	-0.634 %	7.580 %	-1.199 %	0.036 %	0.164 %
Concentration RSD	137.8 %	194.8 %	1,104.0 %	11.0 %	19.3 %	965.4 %	1,405.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0008 ppm	-0.0133 ppm	-0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm	-0.0007 ppm	-0.0242 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0011 ppm	-0.0189 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	0.0033 ppm	-0.0014 ppm
Recovery Percentage 1	-0.046 %	0.486 %	1.577 %	2.441 %	-1.562 %	-0.532 %	-7.739 %
Concentration RSD	1,541.7 %	27.8 %	230.4 %	46.0 %	35.3 %	109.6 %	75.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0015 ppm	0.0000 ppm	0.0018 ppm	0.0043 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 1	0.0037 ppm	0.0001 ppm	0.0019 ppm	0.0026 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.0021 ppm	0.0000 ppm	0.0016 ppm	0.0062 ppm	0.0003 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run 3	-0.0012 ppm	-0.0002 ppm	0.0018 ppm	0.0040 ppm	-0.0003 ppm	0.0008 ppm	0.0004 ppm
Recovery Percentage 1	1.536 %	-0.350 %	3.531 %	0.213 %	0.097 %	1.893 %	0.512 %
Concentration RSD	161.7 %	384.7 %	8.2 %	43.0 %	1,090.0 %	305.7 %	285.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	-0.0010 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0047 ppm	-0.0008 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 2	0.0003 ppm	-0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0020 ppm	-0.0001 ppm
Concentration per Run 3	0.0029 ppm	-0.0016 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0001 ppm
Recovery Percentage 1	26.394 %	-0.209 %	-0.526 %	0.118 %	1.530 %	-3.736 %	0.055 %
Concentration RSD	82.6 %	47.6 %	69.5 %	616.2 %	50.1 %	156.0 %	2,594.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	103.0010 %	101.1483 %	101.5944 %	102.2384 %	100.4623 %	100.2300 %
Concentration per Run 1	-0.0003 ppm	104.3891 %	100.9485 %	101.5230 %	104.2251 %	100.5521 %	100.2702 %
Concentration per Run 2	-0.0002 ppm	102.4051 %	101.2638 %	101.6619 %	101.6114 %	100.5382 %	100.1811 %
Concentration per Run 3	-0.0002 ppm	102.2087 %	101.2325 %	101.5983 %	100.8787 %	100.2965 %	100.2386 %
Recovery Percentage 1	-4.469 %						
Concentration RSD	28.1 %	1.2 %	0.2 %	0.1 %	1.7 %	0.1 %	0.0 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2084485-1 WG2084485
Analysis started at: 6/30/2025 7:47:58 AM
Comments <Comment>
Rack: 1
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0018 ppm	-0.0003 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0168 ppm
Concentration per Run 1	0.0002 ppm	-0.0005 ppm	-0.0005 ppm	0.0022 ppm	-0.0001 ppm	0.0000 ppm	0.0196 ppm
Concentration per Run 2	-0.0005 ppm	0.0081 ppm	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	0.0135 ppm
Concentration per Run 3	-0.0002 ppm	-0.0022 ppm	-0.0006 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0173 ppm
Concentration RSD	207.0 %	309.7 %	103.7 %	14.5 %	183.4 %	289.9 %	18.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0116 ppm	0.0221 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0106 ppm	0.0181 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0125 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0119 ppm	0.0487 ppm	-0.0002 ppm
Concentration RSD	208.3 %	63.9 %	63.5 %	76.2 %	8.4 %	112.4 %	363.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0060 ppm	0.0004 ppm	0.0009 ppm	0.0118 ppm	0.0002 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run 1	0.0051 ppm	0.0006 ppm	0.0009 ppm	0.0190 ppm	0.0004 ppm	-0.0007 ppm	0.0007 ppm
Concentration per Run 2	0.0049 ppm	0.0004 ppm	0.0009 ppm	0.0070 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0080 ppm	0.0003 ppm	0.0009 ppm	0.0095 ppm	0.0002 ppm	0.0000 ppm	0.0008 ppm
Concentration RSD	29.6 %	34.3 %	2.8 %	53.7 %	45.7 %	148.0 %	70.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.0107 ppm	0.0073 ppm	0.0000 ppm	0.0002 ppm	-0.0027 ppm	0.0000 ppm
Concentration per Run 1	0.0006 ppm	0.0111 ppm	0.0074 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	-0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0113 ppm	0.0074 ppm	0.0000 ppm	-0.0001 ppm	-0.0028 ppm	0.0001 ppm
Concentration per Run 3	0.0011 ppm	0.0098 ppm	0.0070 ppm	0.0001 ppm	0.0005 ppm	-0.0036 ppm	0.0002 ppm
Concentration RSD	72.4 %	7.4 %	3.1 %	88.6 %	157.3 %	32.7 %	382.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	100.1745 %	100.5408 %	100.9540 %	100.1005 %	98.4887 %	100.0151 %
Concentration per Run 1	0.0013 ppm	99.0853 %	100.5187 %	101.0270 %	99.5754 %	98.5167 %	100.2645 %
Concentration per Run 2	0.0012 ppm	101.1326 %	100.5767 %	101.0072 %	100.7845 %	98.2451 %	99.7163 %
Concentration per Run 3	0.0013 ppm	100.3055 %	100.5272 %	100.8279 %	99.9416 %	98.7042 %	100.0646 %
Concentration RSD	3.0 %	1.0 %	0.0 %	0.1 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2084485-2D2 WG2084485
Analysis started at: 6/30/2025 7:54:23 AM
Comments <Comment>
Rack: 1
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.3323 ppm	15.9984 ppm	0.7459 ppm	0.6765 ppm	0.9514 ppm	0.6665 ppm	17.3726 ppm
Concentration per Run 1	0.3350 ppm	15.9708 ppm	0.7663 ppm	0.6942 ppm	0.9487 ppm	0.6652 ppm	17.3406 ppm
Concentration per Run 2	0.3322 ppm	16.0137 ppm	0.7477 ppm	0.6771 ppm	0.9533 ppm	0.6670 ppm	17.3743 ppm
Concentration per Run 3	0.3296 ppm	16.0106 ppm	0.7238 ppm	0.6582 ppm	0.9522 ppm	0.6674 ppm	17.4027 ppm
Concentration RSD	0.8 %	0.1 %	2.9 %	2.7 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4465 ppm	0.9369 ppm	0.6440 ppm	0.3769 ppm	20.3668 ppm	5.9631 ppm	0.4126 ppm
Concentration per Run 1	0.4589 ppm	0.9638 ppm	0.6480 ppm	0.3801 ppm	20.2960 ppm	5.9513 ppm	0.4109 ppm
Concentration per Run 2	0.4470 ppm	0.9377 ppm	0.6442 ppm	0.3772 ppm	20.3941 ppm	5.9930 ppm	0.4145 ppm
Concentration per Run 3	0.4336 ppm	0.9091 ppm	0.6399 ppm	0.3733 ppm	20.4102 ppm	5.9452 ppm	0.4126 ppm
Concentration RSD	2.8 %	2.9 %	0.6 %	0.9 %	0.3 %	0.4 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.1818 ppm	1.7171 ppm	0.5708 ppm	8.4181 ppm	0.5964 ppm	0.5588 ppm	0.3961 ppm
Concentration per Run 1	6.2098 ppm	1.7106 ppm	0.5866 ppm	8.3800 ppm	0.6138 ppm	0.5738 ppm	0.4083 ppm
Concentration per Run 2	6.1845 ppm	1.7202 ppm	0.5708 ppm	8.4461 ppm	0.5968 ppm	0.5602 ppm	0.3963 ppm
Concentration per Run 3	6.1510 ppm	1.7205 ppm	0.5551 ppm	8.4283 ppm	0.5786 ppm	0.5425 ppm	0.3837 ppm
Concentration RSD	0.5 %	0.3 %	2.8 %	0.4 %	3.0 %	2.8 %	3.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.3746 ppm	2.1114 ppm	0.3841 ppm	0.8995 ppm	1.1948 ppm	0.7381 ppm	0.6467 ppm
Concentration per Run 1	0.3848 ppm	2.1986 ppm	0.3952 ppm	0.8955 ppm	1.2034 ppm	0.7572 ppm	0.6516 ppm
Concentration per Run 2	0.3730 ppm	2.1184 ppm	0.3845 ppm	0.9016 ppm	1.1944 ppm	0.7377 ppm	0.6462 ppm
Concentration per Run 3	0.3660 ppm	2.0172 ppm	0.3724 ppm	0.9013 ppm	1.1866 ppm	0.7193 ppm	0.6422 ppm
Concentration RSD	2.5 %	4.3 %	3.0 %	0.4 %	0.7 %	2.6 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1491 ppm	109.7320 %	105.9971 %	106.5722 %	101.8654 %	97.4065 %	99.1876 %
Concentration per Run 1	1.1822 ppm	110.3550 %	106.3776 %	106.7630 %	102.5227 %	97.5300 %	99.4743 %
Concentration per Run 2	1.1510 ppm	109.4647 %	106.1459 %	106.6460 %	101.6279 %	97.3727 %	99.2406 %
Concentration per Run 3	1.1140 ppm	109.3763 %	105.4680 %	106.3077 %	101.4456 %	97.3169 %	98.8478 %
Concentration RSD	3.0 %	0.5 %	0.4 %	0.2 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2084485-3D2 WG2084485
Analysis started at: 6/30/2025 8:00:27 AM
Comments <Comment>
Rack: 1
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.3285 ppm	15.6976 ppm	0.7571 ppm	0.6877 ppm	0.9335 ppm	0.6636 ppm	17.1619 ppm
Concentration per Run 1	0.3296 ppm	15.6485 ppm	0.7823 ppm	0.7081 ppm	0.9326 ppm	0.6636 ppm	17.1097 ppm
Concentration per Run 2	0.3272 ppm	15.7938 ppm	0.7576 ppm	0.6875 ppm	0.9387 ppm	0.6673 ppm	17.2803 ppm
Concentration per Run 3	0.3286 ppm	15.6506 ppm	0.7315 ppm	0.6675 ppm	0.9293 ppm	0.6598 ppm	17.0955 ppm
Concentration RSD	0.4 %	0.5 %	3.4 %	3.0 %	0.5 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4832 ppm	0.9504 ppm	0.6434 ppm	0.3775 ppm	19.8735 ppm	5.7998 ppm	0.4024 ppm
Concentration per Run 1	0.4981 ppm	0.9822 ppm	0.6471 ppm	0.3796 ppm	19.8152 ppm	5.8124 ppm	0.4025 ppm
Concentration per Run 2	0.4831 ppm	0.9504 ppm	0.6418 ppm	0.3769 ppm	19.9974 ppm	5.8312 ppm	0.4042 ppm
Concentration per Run 3	0.4682 ppm	0.9187 ppm	0.6412 ppm	0.3760 ppm	19.8078 ppm	5.7558 ppm	0.4007 ppm
Concentration RSD	3.1 %	3.3 %	0.5 %	0.5 %	0.5 %	0.7 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.1887 ppm	1.6562 ppm	0.5815 ppm	8.2571 ppm	0.6087 ppm	0.5672 ppm	0.3994 ppm
Concentration per Run 1	6.2112 ppm	1.6542 ppm	0.5996 ppm	8.2707 ppm	0.6283 ppm	0.5831 ppm	0.4125 ppm
Concentration per Run 2	6.1756 ppm	1.6679 ppm	0.5823 ppm	8.2989 ppm	0.6091 ppm	0.5671 ppm	0.4001 ppm
Concentration per Run 3	6.1793 ppm	1.6465 ppm	0.5626 ppm	8.2016 ppm	0.5885 ppm	0.5514 ppm	0.3858 ppm
Concentration RSD	0.3 %	0.7 %	3.2 %	0.6 %	3.3 %	2.8 %	3.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.3809 ppm	2.0726 ppm	0.3903 ppm	0.8850 ppm	1.1887 ppm	0.8085 ppm	0.6447 ppm
Concentration per Run 1	0.3930 ppm	2.1617 ppm	0.4040 ppm	0.8853 ppm	1.1937 ppm	0.8294 ppm	0.6475 ppm
Concentration per Run 2	0.3812 ppm	2.0779 ppm	0.3903 ppm	0.8889 ppm	1.1872 ppm	0.8084 ppm	0.6444 ppm
Concentration per Run 3	0.3685 ppm	1.9781 ppm	0.3766 ppm	0.8808 ppm	1.1852 ppm	0.7879 ppm	0.6423 ppm
Concentration RSD	3.2 %	4.4 %	3.5 %	0.5 %	0.4 %	2.6 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1675 ppm	107.9015 %	106.5193 %	107.0709 %	101.2533 %	97.1726 %	100.0248 %
Concentration per Run 1	1.2061 ppm	108.4738 %	106.5671 %	107.1845 %	101.3094 %	97.0837 %	100.0463 %
Concentration per Run 2	1.1675 ppm	107.1378 %	106.5030 %	107.1696 %	100.6952 %	97.2637 %	100.1561 %
Concentration per Run 3	1.1291 ppm	108.0927 %	106.4879 %	106.8587 %	101.7554 %	97.1704 %	99.8721 %
Concentration RSD	3.3 %	0.6 %	0.0 %	0.2 %	0.5 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-01D2 WG2084485
Analysis started at: 6/30/2025 8:06:32 AM
Comments <Comment>
Rack: 1
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	68.8290 ppm	0.0135 ppm	0.0242 ppm	0.1423 ppm	0.0021 ppm	9.1331 ppm
Concentration per Run 1	0.0000 ppm	68.7586 ppm	0.0115 ppm	0.0250 ppm	0.1426 ppm	0.0021 ppm	9.1413 ppm
Concentration per Run 2	0.0003 ppm	69.2519 ppm	0.0154 ppm	0.0238 ppm	0.1426 ppm	0.0021 ppm	9.1777 ppm
Concentration per Run 3	-0.0006 ppm	68.4765 ppm	0.0137 ppm	0.0237 ppm	0.1418 ppm	0.0021 ppm	9.0805 ppm
Concentration RSD	476.3 %	0.6 %	14.8 %	2.9 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0011 ppm	0.0374 ppm	0.0809 ppm	0.0970 ppm	86.1701 ppm	5.5216 ppm	0.0649 ppm
Concentration per Run 1	-0.0011 ppm	0.0384 ppm	0.0816 ppm	0.0972 ppm	85.9999 ppm	5.5037 ppm	0.0649 ppm
Concentration per Run 2	-0.0011 ppm	0.0374 ppm	0.0805 ppm	0.0972 ppm	86.7584 ppm	5.5624 ppm	0.0648 ppm
Concentration per Run 3	-0.0012 ppm	0.0364 ppm	0.0806 ppm	0.0967 ppm	85.7519 ppm	5.4987 ppm	0.0651 ppm
Concentration RSD	8.9 %	2.7 %	0.8 %	0.3 %	0.6 %	0.6 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.3299 ppm	2.0606 ppm	0.0035 ppm	1.8722 ppm	0.0761 ppm	0.0518 ppm	0.0005 ppm
Concentration per Run 1	16.4346 ppm	2.0593 ppm	0.0037 ppm	1.8780 ppm	0.0777 ppm	0.0530 ppm	0.0009 ppm
Concentration per Run 2	16.3199 ppm	2.0726 ppm	0.0032 ppm	1.8756 ppm	0.0762 ppm	0.0510 ppm	0.0005 ppm
Concentration per Run 3	16.2352 ppm	2.0498 ppm	0.0036 ppm	1.8629 ppm	0.0745 ppm	0.0513 ppm	0.0001 ppm
Concentration RSD	0.6 %	0.6 %	6.9 %	0.4 %	2.1 %	2.1 %	87.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0044 ppm	3.5178 ppm	0.0047 ppm	0.0625 ppm	3.4076 ppm	0.0046 ppm	0.1418 ppm
Concentration per Run 1	0.0071 ppm	3.6818 ppm	0.0045 ppm	0.0624 ppm	3.4283 ppm	0.0041 ppm	0.1429 ppm
Concentration per Run 2	0.0023 ppm	3.5016 ppm	0.0047 ppm	0.0629 ppm	3.4098 ppm	0.0039 ppm	0.1415 ppm
Concentration per Run 3	0.0040 ppm	3.3699 ppm	0.0048 ppm	0.0623 ppm	3.3846 ppm	0.0059 ppm	0.1410 ppm
Concentration RSD	55.2 %	4.5 %	3.7 %	0.6 %	0.6 %	23.9 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1522 ppm	121.9089 %	117.0167 %	117.8730 %	105.7146 %	98.1540 %	102.2889 %
Concentration per Run 1	0.1553 ppm	122.2565 %	117.1262 %	118.4566 %	106.0816 %	98.2445 %	102.2725 %
Concentration per Run 2	0.1518 ppm	120.2818 %	117.0407 %	117.7168 %	104.5043 %	98.0246 %	102.0638 %
Concentration per Run 3	0.1497 ppm	123.1885 %	116.8832 %	117.4457 %	106.5580 %	98.1927 %	102.5305 %
Concentration RSD	1.9 %	1.2 %	0.1 %	0.4 %	1.0 %	0.1 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-02D2 WG2084485
Analysis started at: 6/30/2025 8:12:47 AM
Comments <Comment>
Rack: 1
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	50.4167 ppm	0.0162 ppm	0.0624 ppm	0.1603 ppm	0.0014 ppm	31.1209 ppm
Concentration per Run 1	-0.0007 ppm	50.8731 ppm	0.0181 ppm	0.0638 ppm	0.1619 ppm	0.0014 ppm	31.3801 ppm
Concentration per Run 2	-0.0002 ppm	50.4997 ppm	0.0150 ppm	0.0624 ppm	0.1603 ppm	0.0015 ppm	31.1907 ppm
Concentration per Run 3	-0.0006 ppm	49.8772 ppm	0.0157 ppm	0.0609 ppm	0.1586 ppm	0.0014 ppm	30.7917 ppm
Concentration RSD	58.9 %	1.0 %	10.1 %	2.4 %	1.0 %	0.7 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0013 ppm	0.0421 ppm	0.1169 ppm	0.1137 ppm	92.1700 ppm	7.0830 ppm	0.0752 ppm
Concentration per Run 1	-0.0012 ppm	0.0439 ppm	0.1174 ppm	0.1142 ppm	92.9198 ppm	7.1475 ppm	0.0763 ppm
Concentration per Run 2	-0.0013 ppm	0.0420 ppm	0.1173 ppm	0.1140 ppm	92.3768 ppm	7.1133 ppm	0.0745 ppm
Concentration per Run 3	-0.0015 ppm	0.0404 ppm	0.1158 ppm	0.1128 ppm	91.2133 ppm	6.9881 ppm	0.0750 ppm
Concentration RSD	8.1 %	4.2 %	0.8 %	0.7 %	0.9 %	1.2 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.8023 ppm	1.4526 ppm	0.0177 ppm	1.8318 ppm	0.0848 ppm	0.0333 ppm	-0.0020 ppm
Concentration per Run 1	18.9120 ppm	1.4653 ppm	0.0184 ppm	1.8432 ppm	0.0877 ppm	0.0338 ppm	-0.0018 ppm
Concentration per Run 2	18.7796 ppm	1.4548 ppm	0.0176 ppm	1.8442 ppm	0.0845 ppm	0.0339 ppm	-0.0029 ppm
Concentration per Run 3	18.7153 ppm	1.4378 ppm	0.0171 ppm	1.8081 ppm	0.0822 ppm	0.0323 ppm	-0.0012 ppm
Concentration RSD	0.5 %	1.0 %	3.8 %	1.1 %	3.2 %	2.8 %	42.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0060 ppm	3.8723 ppm	0.0057 ppm	0.0939 ppm	2.6386 ppm	0.0040 ppm	0.1543 ppm
Concentration per Run 1	0.0086 ppm	4.0678 ppm	0.0056 ppm	0.0949 ppm	2.6574 ppm	0.0031 ppm	0.1553 ppm
Concentration per Run 2	0.0043 ppm	3.8976 ppm	0.0057 ppm	0.0939 ppm	2.6388 ppm	0.0048 ppm	0.1543 ppm
Concentration per Run 3	0.0051 ppm	3.6515 ppm	0.0058 ppm	0.0928 ppm	2.6196 ppm	0.0041 ppm	0.1535 ppm
Concentration RSD	37.8 %	5.4 %	2.1 %	1.1 %	0.7 %	21.6 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1475 ppm	118.8263 %	114.1575 %	114.5769 %	103.3117 %	96.0976 %	100.5719 %
Concentration per Run 1	0.1524 ppm	118.3456 %	113.9849 %	114.8321 %	102.7854 %	95.9041 %	100.3559 %
Concentration per Run 2	0.1476 ppm	118.7120 %	114.3212 %	114.6581 %	102.9214 %	96.1585 %	100.7940 %
Concentration per Run 3	0.1425 ppm	119.4213 %	114.1664 %	114.2405 %	104.2283 %	96.2302 %	100.5658 %
Concentration RSD	3.4 %	0.5 %	0.1 %	0.3 %	0.8 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-03D2 WG2084485
Analysis started at: 6/30/2025 8:19:02 AM
Comments <Comment>
Rack: 1
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	34.6853 ppm	0.0103 ppm	0.0062 ppm	0.1218 ppm	0.0013 ppm	5.4178 ppm
Concentration per Run 1	-0.0005 ppm	35.2895 ppm	0.0105 ppm	0.0064 ppm	0.1237 ppm	0.0013 ppm	5.5019 ppm
Concentration per Run 2	-0.0001 ppm	34.5886 ppm	0.0108 ppm	0.0059 ppm	0.1215 ppm	0.0013 ppm	5.3987 ppm
Concentration per Run 3	0.0001 ppm	34.1779 ppm	0.0095 ppm	0.0064 ppm	0.1201 ppm	0.0012 ppm	5.3527 ppm
Concentration RSD	195.7 %	1.6 %	6.5 %	5.0 %	1.5 %	3.5 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0305 ppm	0.0468 ppm	0.0559 ppm	63.9556 ppm	5.8998 ppm	0.0526 ppm
Concentration per Run 1	-0.0007 ppm	0.0310 ppm	0.0472 ppm	0.0563 ppm	65.0571 ppm	6.0065 ppm	0.0533 ppm
Concentration per Run 2	-0.0007 ppm	0.0302 ppm	0.0466 ppm	0.0559 ppm	63.8022 ppm	5.8785 ppm	0.0525 ppm
Concentration per Run 3	-0.0007 ppm	0.0302 ppm	0.0465 ppm	0.0555 ppm	63.0075 ppm	5.8146 ppm	0.0521 ppm
Concentration RSD	5.4 %	1.4 %	0.8 %	0.7 %	1.6 %	1.7 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.6870 ppm	0.7086 ppm	0.0023 ppm	1.0301 ppm	0.0717 ppm	0.0204 ppm	-0.0006 ppm
Concentration per Run 1	11.7487 ppm	0.7200 ppm	0.0023 ppm	1.0491 ppm	0.0728 ppm	0.0211 ppm	-0.0020 ppm
Concentration per Run 2	11.7227 ppm	0.7073 ppm	0.0022 ppm	1.0218 ppm	0.0713 ppm	0.0205 ppm	0.0000 ppm
Concentration per Run 3	11.5896 ppm	0.6984 ppm	0.0023 ppm	1.0196 ppm	0.0709 ppm	0.0196 ppm	0.0002 ppm
Concentration RSD	0.7 %	1.5 %	1.4 %	1.6 %	1.4 %	3.7 %	205.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0034 ppm	2.1182 ppm	0.0044 ppm	0.0233 ppm	1.9654 ppm	0.0055 ppm	0.0768 ppm
Concentration per Run 1	0.0039 ppm	2.1748 ppm	0.0047 ppm	0.0237 ppm	1.9765 ppm	0.0046 ppm	0.0772 ppm
Concentration per Run 2	0.0057 ppm	2.0967 ppm	0.0039 ppm	0.0233 ppm	1.9685 ppm	0.0066 ppm	0.0769 ppm
Concentration per Run 3	0.0006 ppm	2.0831 ppm	0.0046 ppm	0.0230 ppm	1.9512 ppm	0.0052 ppm	0.0764 ppm
Concentration RSD	77.2 %	2.3 %	10.5 %	1.6 %	0.7 %	18.9 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1005 ppm	114.6472 %	113.2661 %	114.3181 %	100.9357 %	97.9048 %	100.6084 %
Concentration per Run 1	0.1019 ppm	112.9810 %	113.4374 %	114.4347 %	99.0676 %	97.7578 %	100.6599 %
Concentration per Run 2	0.1003 ppm	115.1865 %	112.8891 %	114.2435 %	101.5043 %	98.0055 %	100.1989 %
Concentration per Run 3	0.0994 ppm	115.7743 %	113.4719 %	114.2761 %	102.2352 %	97.9510 %	100.9663 %
Concentration RSD	1.3 %	1.3 %	0.3 %	0.1 %	1.6 %	0.1 %	0.4 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-04D2 WG2084485
Analysis started at: 6/30/2025 8:25:15 AM
Comments <Comment>
Rack: 1
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	42.7921 ppm	0.0103 ppm	0.0112 ppm	0.1015 ppm	0.0017 ppm	3.5962 ppm
Concentration per Run 1	0.0001 ppm	42.6975 ppm	0.0105 ppm	0.0116 ppm	0.1014 ppm	0.0017 ppm	3.5950 ppm
Concentration per Run 2	0.0000 ppm	43.0098 ppm	0.0090 ppm	0.0110 ppm	0.1019 ppm	0.0017 ppm	3.6020 ppm
Concentration per Run 3	-0.0004 ppm	42.6690 ppm	0.0114 ppm	0.0109 ppm	0.1012 ppm	0.0016 ppm	3.5916 ppm
Concentration RSD	281.9 %	0.4 %	11.8 %	3.6 %	0.4 %	2.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0243 ppm	0.0620 ppm	0.0766 ppm	66.0641 ppm	5.3542 ppm	0.0542 ppm
Concentration per Run 1	-0.0008 ppm	0.0251 ppm	0.0622 ppm	0.0770 ppm	65.9544 ppm	5.3552 ppm	0.0545 ppm
Concentration per Run 2	-0.0009 ppm	0.0242 ppm	0.0620 ppm	0.0766 ppm	66.4584 ppm	5.4147 ppm	0.0545 ppm
Concentration per Run 3	-0.0010 ppm	0.0235 ppm	0.0618 ppm	0.0763 ppm	65.7795 ppm	5.2927 ppm	0.0535 ppm
Concentration RSD	7.8 %	3.2 %	0.3 %	0.5 %	0.5 %	1.1 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.7969 ppm	0.5491 ppm	0.0020 ppm	1.7662 ppm	0.0756 ppm	0.0285 ppm	-0.0007 ppm
Concentration per Run 1	14.9019 ppm	0.5487 ppm	0.0021 ppm	1.7611 ppm	0.0774 ppm	0.0292 ppm	0.0002 ppm
Concentration per Run 2	14.7850 ppm	0.5508 ppm	0.0018 ppm	1.7768 ppm	0.0753 ppm	0.0289 ppm	-0.0016 ppm
Concentration per Run 3	14.7039 ppm	0.5479 ppm	0.0021 ppm	1.7606 ppm	0.0740 ppm	0.0274 ppm	-0.0008 ppm
Concentration RSD	0.7 %	0.3 %	8.2 %	0.5 %	2.3 %	3.5 %	126.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	1.9371 ppm	0.0047 ppm	0.0185 ppm	2.3063 ppm	0.0058 ppm	0.1171 ppm
Concentration per Run 1	0.0034 ppm	2.0735 ppm	0.0051 ppm	0.0185 ppm	2.3191 ppm	0.0068 ppm	0.1179 ppm
Concentration per Run 2	0.0031 ppm	1.9274 ppm	0.0042 ppm	0.0185 ppm	2.3053 ppm	0.0059 ppm	0.1167 ppm
Concentration per Run 3	0.0059 ppm	1.8105 ppm	0.0048 ppm	0.0184 ppm	2.2945 ppm	0.0046 ppm	0.1167 ppm
Concentration RSD	37.5 %	6.8 %	9.9 %	0.6 %	0.5 %	19.3 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1304 ppm	116.2083 %	111.8341 %	112.1828 %	105.5636 %	97.6937 %	101.4788 %
Concentration per Run 1	0.1337 ppm	116.1588 %	111.7328 %	112.3159 %	105.9913 %	97.7158 %	101.3317 %
Concentration per Run 2	0.1300 ppm	115.9160 %	111.7284 %	112.0776 %	104.6427 %	97.5832 %	101.5051 %
Concentration per Run 3	0.1275 ppm	116.5501 %	112.0409 %	112.1547 %	106.0569 %	97.7821 %	101.5995 %
Concentration RSD	2.4 %	0.3 %	0.2 %	0.1 %	0.8 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-05D2 WG2084485
Analysis started at: 6/30/2025 8:31:28 AM
Comments <Comment>
Rack: 1
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	46.8702 ppm	0.0140 ppm	0.0223 ppm	0.1475 ppm	0.0017 ppm	8.4807 ppm
Concentration per Run 1	0.0001 ppm	46.9009 ppm	0.0147 ppm	0.0227 ppm	0.1478 ppm	0.0017 ppm	8.4897 ppm
Concentration per Run 2	-0.0002 ppm	46.9617 ppm	0.0126 ppm	0.0220 ppm	0.1479 ppm	0.0017 ppm	8.4861 ppm
Concentration per Run 3	-0.0003 ppm	46.7480 ppm	0.0145 ppm	0.0222 ppm	0.1469 ppm	0.0017 ppm	8.4663 ppm
Concentration RSD	153.0 %	0.2 %	8.3 %	1.6 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0011 ppm	0.0361 ppm	0.1294 ppm	0.1012 ppm	84.9389 ppm	6.6916 ppm	0.0714 ppm
Concentration per Run 1	-0.0010 ppm	0.0375 ppm	0.1308 ppm	0.1019 ppm	85.0188 ppm	6.7114 ppm	0.0714 ppm
Concentration per Run 2	-0.0012 ppm	0.0358 ppm	0.1294 ppm	0.1013 ppm	85.1580 ppm	6.7243 ppm	0.0715 ppm
Concentration per Run 3	-0.0012 ppm	0.0349 ppm	0.1281 ppm	0.1003 ppm	84.6401 ppm	6.6390 ppm	0.0712 ppm
Concentration RSD	9.1 %	3.7 %	1.0 %	0.8 %	0.3 %	0.7 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.2615 ppm	1.0706 ppm	0.0214 ppm	1.9324 ppm	0.0887 ppm	0.0280 ppm	-0.0004 ppm
Concentration per Run 1	16.3797 ppm	1.0706 ppm	0.0222 ppm	1.9385 ppm	0.0915 ppm	0.0291 ppm	-0.0007 ppm
Concentration per Run 2	16.2593 ppm	1.0730 ppm	0.0211 ppm	1.9354 ppm	0.0882 ppm	0.0277 ppm	-0.0008 ppm
Concentration per Run 3	16.1456 ppm	1.0684 ppm	0.0208 ppm	1.9233 ppm	0.0864 ppm	0.0273 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.2 %	3.4 %	0.4 %	2.9 %	3.3 %	148.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0037 ppm	2.3249 ppm	0.0054 ppm	0.0296 ppm	2.5792 ppm	0.0067 ppm	0.1238 ppm
Concentration per Run 1	0.0051 ppm	2.5108 ppm	0.0055 ppm	0.0297 ppm	2.5933 ppm	0.0059 ppm	0.1245 ppm
Concentration per Run 2	0.0060 ppm	2.2910 ppm	0.0058 ppm	0.0297 ppm	2.5819 ppm	0.0062 ppm	0.1239 ppm
Concentration per Run 3	0.0000 ppm	2.1727 ppm	0.0049 ppm	0.0294 ppm	2.5625 ppm	0.0078 ppm	0.1228 ppm
Concentration RSD	86.6 %	7.4 %	8.4 %	0.6 %	0.6 %	15.0 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1449 ppm	119.3614 %	115.0775 %	115.4072 %	105.5861 %	97.9000 %	102.1916 %
Concentration per Run 1	0.1498 ppm	119.7150 %	114.8612 %	115.9086 %	105.6387 %	97.7258 %	102.0162 %
Concentration per Run 2	0.1436 ppm	119.7295 %	115.2917 %	115.3227 %	105.6628 %	98.0798 %	102.2758 %
Concentration per Run 3	0.1414 ppm	118.6397 %	115.0797 %	114.9904 %	105.4568 %	97.8944 %	102.2829 %
Concentration RSD	3.0 %	0.5 %	0.2 %	0.4 %	0.1 %	0.2 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-06D2 WG2084485
Analysis started at: 6/30/2025 8:37:41 AM
Comments <Comment>
Rack: 1
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	51.4465 ppm	0.0133 ppm	0.0152 ppm	0.2075 ppm	0.0012 ppm	22.0380 ppm
Concentration per Run 1	-0.0003 ppm	52.3973 ppm	0.0136 ppm	0.0148 ppm	0.2116 ppm	0.0012 ppm	22.4320 ppm
Concentration per Run 2	-0.0007 ppm	51.4203 ppm	0.0120 ppm	0.0155 ppm	0.2070 ppm	0.0012 ppm	22.0514 ppm
Concentration per Run 3	-0.0004 ppm	50.5218 ppm	0.0142 ppm	0.0153 ppm	0.2039 ppm	0.0011 ppm	21.6304 ppm
Concentration RSD	46.0 %	1.8 %	8.5 %	2.5 %	1.9 %	5.2 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0427 ppm	0.0963 ppm	0.1053 ppm	84.7140 ppm	11.3864 ppm	0.0871 ppm
Concentration per Run 1	-0.0008 ppm	0.0431 ppm	0.0968 ppm	0.1059 ppm	86.1571 ppm	11.5915 ppm	0.0877 ppm
Concentration per Run 2	-0.0009 ppm	0.0425 ppm	0.0964 ppm	0.1050 ppm	84.7654 ppm	11.3987 ppm	0.0871 ppm
Concentration per Run 3	-0.0009 ppm	0.0424 ppm	0.0957 ppm	0.1050 ppm	83.2194 ppm	11.1691 ppm	0.0863 ppm
Concentration RSD	3.2 %	0.8 %	0.5 %	0.5 %	1.7 %	1.9 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	21.1359 ppm	1.6429 ppm	0.0062 ppm	1.7093 ppm	0.1038 ppm	0.0325 ppm	0.0003 ppm
Concentration per Run 1	21.1505 ppm	1.6718 ppm	0.0062 ppm	1.7417 ppm	0.1045 ppm	0.0324 ppm	0.0008 ppm
Concentration per Run 2	21.1915 ppm	1.6431 ppm	0.0060 ppm	1.7122 ppm	0.1033 ppm	0.0324 ppm	-0.0011 ppm
Concentration per Run 3	21.0658 ppm	1.6138 ppm	0.0063 ppm	1.6739 ppm	0.1037 ppm	0.0328 ppm	0.0011 ppm
Concentration RSD	0.3 %	1.8 %	2.0 %	2.0 %	0.6 %	0.7 %	442.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0052 ppm	3.3218 ppm	0.0054 ppm	0.0477 ppm	3.7464 ppm	0.0073 ppm	0.1541 ppm
Concentration per Run 1	0.0083 ppm	3.3664 ppm	0.0051 ppm	0.0484 ppm	3.7576 ppm	0.0070 ppm	0.1545 ppm
Concentration per Run 2	0.0013 ppm	3.3036 ppm	0.0058 ppm	0.0476 ppm	3.7504 ppm	0.0073 ppm	0.1545 ppm
Concentration per Run 3	0.0059 ppm	3.2953 ppm	0.0052 ppm	0.0469 ppm	3.7312 ppm	0.0075 ppm	0.1534 ppm
Concentration RSD	69.2 %	1.2 %	7.3 %	1.6 %	0.4 %	3.7 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1675 ppm	113.8089 %	112.4024 %	113.4566 %	101.3612 %	96.7772 %	101.1494 %
Concentration per Run 1	0.1690 ppm	111.8917 %	112.3518 %	113.2747 %	99.8218 %	96.7601 %	101.2607 %
Concentration per Run 2	0.1672 ppm	113.3110 %	112.4276 %	113.4765 %	100.6610 %	96.8969 %	101.0610 %
Concentration per Run 3	0.1664 ppm	116.2241 %	112.4278 %	113.6185 %	103.6008 %	96.6744 %	101.1266 %
Concentration RSD	0.8 %	1.9 %	0.0 %	0.2 %	2.0 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-08D2 WG2084485
Analysis started at: 6/30/2025 8:43:54 AM
Comments <Comment>
Rack: 1
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	56.1320 ppm	0.0099 ppm	0.0150 ppm	0.1056 ppm	0.0017 ppm	2.0911 ppm
Concentration per Run 1	-0.0007 ppm	55.5066 ppm	0.0097 ppm	0.0151 ppm	0.1046 ppm	0.0016 ppm	2.0627 ppm
Concentration per Run 2	-0.0004 ppm	56.4654 ppm	0.0104 ppm	0.0151 ppm	0.1061 ppm	0.0017 ppm	2.1074 ppm
Concentration per Run 3	-0.0004 ppm	56.4239 ppm	0.0096 ppm	0.0147 ppm	0.1059 ppm	0.0017 ppm	2.1031 ppm
Concentration RSD	33.6 %	1.0 %	4.5 %	1.5 %	0.8 %	2.2 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0296 ppm	0.0702 ppm	0.0614 ppm	62.7874 ppm	4.9488 ppm	0.0583 ppm
Concentration per Run 1	-0.0007 ppm	0.0300 ppm	0.0707 ppm	0.0617 ppm	62.1211 ppm	4.8918 ppm	0.0568 ppm
Concentration per Run 2	-0.0009 ppm	0.0296 ppm	0.0699 ppm	0.0615 ppm	63.1569 ppm	5.0110 ppm	0.0605 ppm
Concentration per Run 3	-0.0009 ppm	0.0291 ppm	0.0700 ppm	0.0611 ppm	63.0843 ppm	4.9434 ppm	0.0575 ppm
Concentration RSD	12.2 %	1.4 %	0.6 %	0.5 %	0.9 %	1.2 %	3.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3096 ppm	0.6862 ppm	0.0029 ppm	1.6017 ppm	0.0621 ppm	0.0324 ppm	0.0005 ppm
Concentration per Run 1	14.2848 ppm	0.6787 ppm	0.0029 ppm	1.5739 ppm	0.0632 ppm	0.0327 ppm	0.0009 ppm
Concentration per Run 2	14.3153 ppm	0.6893 ppm	0.0031 ppm	1.6103 ppm	0.0619 ppm	0.0330 ppm	0.0003 ppm
Concentration per Run 3	14.3286 ppm	0.6906 ppm	0.0028 ppm	1.6210 ppm	0.0610 ppm	0.0315 ppm	0.0001 ppm
Concentration RSD	0.2 %	1.0 %	6.0 %	1.5 %	1.7 %	2.4 %	86.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0042 ppm	3.5430 ppm	0.0050 ppm	0.0153 ppm	2.8764 ppm	0.0032 ppm	0.1131 ppm
Concentration per Run 1	0.0033 ppm	3.6659 ppm	0.0057 ppm	0.0151 ppm	2.8787 ppm	0.0023 ppm	0.1132 ppm
Concentration per Run 2	0.0011 ppm	3.5213 ppm	0.0053 ppm	0.0154 ppm	2.8757 ppm	0.0033 ppm	0.1133 ppm
Concentration per Run 3	0.0080 ppm	3.4418 ppm	0.0040 ppm	0.0154 ppm	2.8747 ppm	0.0040 ppm	0.1127 ppm
Concentration RSD	85.0 %	3.2 %	18.4 %	0.9 %	0.1 %	27.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1297 ppm	113.9387 %	109.7956 %	111.1210 %	105.5992 %	97.1036 %	101.2182 %
Concentration per Run 1	0.1322 ppm	114.5598 %	110.0735 %	111.1390 %	106.2988 %	96.8648 %	101.7284 %
Concentration per Run 2	0.1291 ppm	113.4129 %	109.6569 %	111.0459 %	105.0928 %	96.9160 %	101.1746 %
Concentration per Run 3	0.1279 ppm	113.8434 %	109.6564 %	111.1781 %	105.4059 %	97.5301 %	100.7515 %
Concentration RSD	1.7 %	0.5 %	0.2 %	0.1 %	0.6 %	0.4 %	0.5 %

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 8:50:08 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5141 ppm	0.4869 ppm	0.4866 ppm	0.4918 ppm	0.4979 ppm	0.5166 ppm	0.5133 ppm
Concentration per Run 1	0.5143 ppm	0.4889 ppm	0.4872 ppm	0.4928 ppm	0.5022 ppm	0.5215 ppm	0.5219 ppm
Concentration per Run 2	0.5127 ppm	0.4905 ppm	0.4870 ppm	0.4906 ppm	0.4983 ppm	0.5158 ppm	0.5110 ppm
Concentration per Run 3	0.5153 ppm	0.4813 ppm	0.4856 ppm	0.4921 ppm	0.4933 ppm	0.5125 ppm	0.5071 ppm
Recovery Percentage 1	102.825 %	97.377 %	97.320 %	98.369 %	99.585 %	103.321 %	102.667 %
Concentration RSD	0.3 %	1.0 %	0.2 %	0.2 %	0.9 %	0.9 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4923 ppm	0.4995 ppm	0.5054 ppm	0.5048 ppm	0.5123 ppm	5.1915 ppm	0.5058 ppm
Concentration per Run 1	0.4930 ppm	0.5004 ppm	0.5060 ppm	0.5039 ppm	0.5153 ppm	5.2459 ppm	0.5114 ppm
Concentration per Run 2	0.4914 ppm	0.4984 ppm	0.5050 ppm	0.5041 ppm	0.5142 ppm	5.1894 ppm	0.5050 ppm
Concentration per Run 3	0.4925 ppm	0.4997 ppm	0.5051 ppm	0.5063 ppm	0.5074 ppm	5.1393 ppm	0.5011 ppm
Recovery Percentage 1	98.457 %	99.893 %	101.071 %	100.957 %	102.465 %	103.830 %	101.165 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.3 %	0.8 %	1.0 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5261 ppm	0.5160 ppm	0.5018 ppm	10.3330 ppm	0.5138 ppm	0.5165 ppm	0.5049 ppm
Concentration per Run 1	0.5240 ppm	0.5218 ppm	0.5016 ppm	10.4418 ppm	0.5140 ppm	0.5162 ppm	0.5057 ppm
Concentration per Run 2	0.5256 ppm	0.5153 ppm	0.5013 ppm	10.3185 ppm	0.5131 ppm	0.5160 ppm	0.5050 ppm
Concentration per Run 3	0.5288 ppm	0.5110 ppm	0.5025 ppm	10.2388 ppm	0.5143 ppm	0.5173 ppm	0.5041 ppm
Recovery Percentage 1	105.226 %	103.202 %	100.364 %	103.330 %	102.761 %	103.298 %	100.990 %
Concentration RSD	0.5 %	1.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4995 ppm	5.5350 ppm	0.5166 ppm	0.4948 ppm	0.5098 ppm	0.5346 ppm	0.5110 ppm
Concentration per Run 1	0.4984 ppm	5.5461 ppm	0.5178 ppm	0.4991 ppm	0.5104 ppm	0.5341 ppm	0.5113 ppm
Concentration per Run 2	0.5010 ppm	5.5220 ppm	0.5157 ppm	0.4952 ppm	0.5092 ppm	0.5340 ppm	0.5114 ppm
Concentration per Run 3	0.4992 ppm	5.5370 ppm	0.5164 ppm	0.4902 ppm	0.5097 ppm	0.5357 ppm	0.5103 ppm
Recovery Percentage 1	99.909 %	105.429 %	103.329 %	98.966 %	101.951 %	106.917 %	102.200 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.9 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5013 ppm	100.7744 %	99.8158 %	100.6400 %	99.2774 %	98.4357 %	99.3033 %
Concentration per Run 1	0.5020 ppm	99.4461 %	99.7345 %	100.8149 %	97.8707 %	98.3992 %	99.1933 %
Concentration per Run 2	0.5011 ppm	101.2742 %	99.7948 %	100.4051 %	99.7781 %	98.4306 %	99.4888 %
Concentration per Run 3	0.5010 ppm	101.6028 %	99.9179 %	100.6999 %	100.1835 %	98.4772 %	99.2278 %
Recovery Percentage 1	100.269 %						
Concentration RSD	0.1 %	1.2 %	0.1 %	0.2 %	1.2 %	0.0 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 8:56:15 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0037 ppm	0.0020 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0055 ppm
Concentration per Run 1	0.0001 ppm	-0.0076 ppm	0.0012 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run 2	0.0001 ppm	-0.0010 ppm	0.0040 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run 3	0.0002 ppm	-0.0026 ppm	0.0008 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0056 ppm
Recovery Percentage 1	2.111 %	-3.735 %	39.862 %	4.605 %	-0.910 %	-0.029 %	5.514 %
Concentration RSD	47.7 %	91.5 %	89.7 %	28.8 %	94.1 %	1,951.9 %	5.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm	-0.0036 ppm	-0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	0.0193 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0108 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0004 ppm	-0.0006 ppm	-0.0192 ppm	-0.0017 ppm
Recovery Percentage 1	0.112 %	0.361 %	1.172 %	4.345 %	0.760 %	-0.142 %	-15.312 %
Concentration RSD	221.4 %	146.4 %	101.9 %	23.5 %	315.1 %	570.0 %	25.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	-0.0001 ppm	0.0012 ppm	-0.0085 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	-0.0003 ppm	0.0014 ppm	-0.0132 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	0.0002 ppm	0.0012 ppm	-0.0035 ppm	0.0002 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 3	-0.0007 ppm	-0.0001 ppm	0.0010 ppm	-0.0087 ppm	0.0000 ppm	-0.0002 ppm	0.0006 ppm
Recovery Percentage 1	0.261 %	-0.781 %	2.432 %	-0.423 %	0.401 %	-3.116 %	0.286 %
Concentration RSD	346.2 %	287.3 %	13.2 %	57.2 %	121.0 %	41.1 %	298.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	0.0053 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 1	0.0028 ppm	0.0059 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 2	0.0013 ppm	0.0053 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 3	0.0023 ppm	0.0047 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	0.0000 ppm
Recovery Percentage 1	21.215 %	1.062 %	0.655 %	-0.261 %	2.752 %	-6.990 %	0.517 %
Concentration RSD	33.9 %	10.9 %	128.4 %	399.4 %	77.3 %	27.0 %	187.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	103.7536 %	100.7549 %	101.3009 %	101.3080 %	100.1374 %	98.7556 %
Concentration per Run 1	0.0000 ppm	104.5666 %	100.6040 %	101.1812 %	102.5843 %	100.5252 %	98.6584 %
Concentration per Run 2	0.0000 ppm	103.7750 %	100.6926 %	101.2649 %	100.8161 %	99.6432 %	98.7712 %
Concentration per Run 3	-0.0001 ppm	102.9192 %	100.9682 %	101.4566 %	100.5235 %	100.2438 %	98.8373 %
Recovery Percentage 1	-1.257 %						
Concentration RSD	94.7 %	0.8 %	0.2 %	0.1 %	1.1 %	0.4 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-09D2 WG2084485
Analysis started at: 6/30/2025 9:06:10 AM
Comments <Comment>
Rack: 1
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	56.9797 ppm	0.0107 ppm	0.0615 ppm	0.1455 ppm	0.0018 ppm	21.0187 ppm
Concentration per Run 1	-0.0006 ppm	57.3253 ppm	0.0087 ppm	0.0634 ppm	0.1468 ppm	0.0017 ppm	21.1386 ppm
Concentration per Run 2	-0.0006 ppm	56.9479 ppm	0.0112 ppm	0.0618 ppm	0.1456 ppm	0.0017 ppm	21.0321 ppm
Concentration per Run 3	-0.0005 ppm	56.6658 ppm	0.0121 ppm	0.0593 ppm	0.1442 ppm	0.0018 ppm	20.8854 ppm
Concentration RSD	11.3 %	0.6 %	16.2 %	3.3 %	0.9 %	1.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0014 ppm	0.0325 ppm	0.1405 ppm	0.1028 ppm	89.4531 ppm	6.9777 ppm	0.0788 ppm
Concentration per Run 1	-0.0013 ppm	0.0341 ppm	0.1414 ppm	0.1036 ppm	89.9124 ppm	7.0484 ppm	0.0785 ppm
Concentration per Run 2	-0.0015 ppm	0.0326 ppm	0.1404 ppm	0.1026 ppm	89.5160 ppm	6.9558 ppm	0.0793 ppm
Concentration per Run 3	-0.0016 ppm	0.0307 ppm	0.1398 ppm	0.1020 ppm	88.9309 ppm	6.9290 ppm	0.0785 ppm
Concentration RSD	12.4 %	5.3 %	0.6 %	0.8 %	0.6 %	0.9 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.1903 ppm	0.8255 ppm	0.0250 ppm	2.0833 ppm	0.0788 ppm	0.0330 ppm	-0.0013 ppm
Concentration per Run 1	18.2523 ppm	0.8306 ppm	0.0261 ppm	2.0962 ppm	0.0820 ppm	0.0355 ppm	-0.0024 ppm
Concentration per Run 2	18.1916 ppm	0.8254 ppm	0.0251 ppm	2.0863 ppm	0.0788 ppm	0.0328 ppm	0.0003 ppm
Concentration per Run 3	18.1269 ppm	0.8206 ppm	0.0237 ppm	2.0673 ppm	0.0758 ppm	0.0307 ppm	-0.0019 ppm
Concentration RSD	0.3 %	0.6 %	4.9 %	0.7 %	3.9 %	7.3 %	109.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0046 ppm	4.8527 ppm	0.0060 ppm	0.0648 ppm	3.0218 ppm	0.0040 ppm	0.1524 ppm
Concentration per Run 1	0.0050 ppm	5.1880 ppm	0.0060 ppm	0.0652 ppm	3.0404 ppm	0.0041 ppm	0.1536 ppm
Concentration per Run 2	0.0030 ppm	4.8783 ppm	0.0065 ppm	0.0647 ppm	3.0241 ppm	0.0035 ppm	0.1523 ppm
Concentration per Run 3	0.0058 ppm	4.4920 ppm	0.0056 ppm	0.0645 ppm	3.0010 ppm	0.0044 ppm	0.1514 ppm
Concentration RSD	32.1 %	7.2 %	6.9 %	0.6 %	0.7 %	11.5 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1592 ppm	113.8499 %	109.7383 %	110.2277 %	104.9284 %	95.9642 %	100.5744 %
Concentration per Run 1	0.1659 ppm	113.1333 %	109.9921 %	110.6713 %	104.7108 %	95.9944 %	100.7806 %
Concentration per Run 2	0.1593 ppm	114.0143 %	109.7425 %	110.1763 %	104.8785 %	95.7024 %	100.5521 %
Concentration per Run 3	0.1525 ppm	114.4022 %	109.4802 %	109.8355 %	105.1958 %	96.1958 %	100.3904 %
Concentration RSD	4.2 %	0.6 %	0.2 %	0.4 %	0.2 %	0.3 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-10D2 WG2084485
Analysis started at: 6/30/2025 9:12:23 AM
Comments <Comment>
Rack: 1
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	52.6478 ppm	0.0109 ppm	0.0088 ppm	0.1402 ppm	0.0017 ppm	3.0348 ppm
Concentration per Run 1	-0.0001 ppm	52.1954 ppm	0.0120 ppm	0.0088 ppm	0.1392 ppm	0.0018 ppm	3.0030 ppm
Concentration per Run 2	-0.0004 ppm	52.8939 ppm	0.0106 ppm	0.0088 ppm	0.1410 ppm	0.0018 ppm	3.0526 ppm
Concentration per Run 3	-0.0001 ppm	52.8541 ppm	0.0099 ppm	0.0089 ppm	0.1406 ppm	0.0017 ppm	3.0487 ppm
Concentration RSD	105.0 %	0.7 %	9.8 %	0.5 %	0.7 %	1.9 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0012 ppm	0.0333 ppm	0.0756 ppm	0.0929 ppm	83.5251 ppm	7.2747 ppm	0.0889 ppm
Concentration per Run 1	-0.0010 ppm	0.0347 ppm	0.0758 ppm	0.0933 ppm	82.7188 ppm	7.2445 ppm	0.0882 ppm
Concentration per Run 2	-0.0012 ppm	0.0329 ppm	0.0755 ppm	0.0931 ppm	83.9815 ppm	7.2810 ppm	0.0888 ppm
Concentration per Run 3	-0.0013 ppm	0.0324 ppm	0.0756 ppm	0.0922 ppm	83.8750 ppm	7.2986 ppm	0.0898 ppm
Concentration RSD	11.0 %	3.5 %	0.2 %	0.7 %	0.8 %	0.4 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.9699 ppm	0.5582 ppm	0.0017 ppm	1.6914 ppm	0.0964 ppm	0.0277 ppm	-0.0008 ppm
Concentration per Run 1	19.1202 ppm	0.5527 ppm	0.0018 ppm	1.6842 ppm	0.0996 ppm	0.0293 ppm	-0.0011 ppm
Concentration per Run 2	18.9095 ppm	0.5598 ppm	0.0016 ppm	1.6974 ppm	0.0963 ppm	0.0270 ppm	-0.0008 ppm
Concentration per Run 3	18.8801 ppm	0.5621 ppm	0.0018 ppm	1.6928 ppm	0.0932 ppm	0.0269 ppm	-0.0007 ppm
Concentration RSD	0.7 %	0.9 %	7.7 %	0.4 %	3.4 %	4.9 %	25.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0065 ppm	2.2446 ppm	0.0050 ppm	0.0156 ppm	3.2548 ppm	0.0072 ppm	0.1251 ppm
Concentration per Run 1	0.0060 ppm	2.3512 ppm	0.0055 ppm	0.0156 ppm	3.2746 ppm	0.0070 ppm	0.1261 ppm
Concentration per Run 2	0.0085 ppm	2.2314 ppm	0.0044 ppm	0.0156 ppm	3.2502 ppm	0.0063 ppm	0.1252 ppm
Concentration per Run 3	0.0050 ppm	2.1512 ppm	0.0051 ppm	0.0155 ppm	3.2397 ppm	0.0082 ppm	0.1239 ppm
Concentration RSD	27.5 %	4.5 %	11.4 %	0.3 %	0.6 %	13.3 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1439 ppm	117.0529 %	112.2296 %	112.7298 %	105.1829 %	96.9319 %	101.0782 %
Concentration per Run 1	0.1489 ppm	117.8368 %	112.0764 %	113.0904 %	106.2258 %	96.7202 %	101.0005 %
Concentration per Run 2	0.1431 ppm	116.6623 %	112.2434 %	112.8130 %	104.4951 %	97.0484 %	101.2445 %
Concentration per Run 3	0.1397 ppm	116.6597 %	112.3689 %	112.2859 %	104.8279 %	97.0271 %	100.9897 %
Concentration RSD	3.2 %	0.6 %	0.1 %	0.4 %	0.9 %	0.2 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-11D2 WG2084485
Analysis started at: 6/30/2025 9:18:37 AM
Comments <Comment>
Rack: 1
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	40.2992 ppm	0.0085 ppm	0.0080 ppm	0.1099 ppm	0.0015 ppm	3.8253 ppm
Concentration per Run 1	-0.0003 ppm	40.0672 ppm	0.0101 ppm	0.0085 ppm	0.1091 ppm	0.0015 ppm	3.7940 ppm
Concentration per Run 2	-0.0003 ppm	40.3689 ppm	0.0079 ppm	0.0076 ppm	0.1102 ppm	0.0015 ppm	3.8365 ppm
Concentration per Run 3	-0.0007 ppm	40.4614 ppm	0.0074 ppm	0.0080 ppm	0.1104 ppm	0.0015 ppm	3.8454 ppm
Concentration RSD	44.4 %	0.5 %	16.7 %	5.7 %	0.7 %	1.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0285 ppm	0.0552 ppm	0.0698 ppm	59.2731 ppm	5.2108 ppm	0.0518 ppm
Concentration per Run 1	-0.0007 ppm	0.0293 ppm	0.0553 ppm	0.0701 ppm	58.8882 ppm	5.1682 ppm	0.0517 ppm
Concentration per Run 2	-0.0008 ppm	0.0282 ppm	0.0553 ppm	0.0697 ppm	59.3930 ppm	5.2296 ppm	0.0514 ppm
Concentration per Run 3	-0.0008 ppm	0.0278 ppm	0.0551 ppm	0.0695 ppm	59.5380 ppm	5.2346 ppm	0.0522 ppm
Concentration RSD	12.9 %	2.8 %	0.1 %	0.4 %	0.6 %	0.7 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.7884 ppm	0.9737 ppm	0.0016 ppm	2.0494 ppm	0.0672 ppm	0.0254 ppm	0.0001 ppm
Concentration per Run 1	12.8451 ppm	0.9675 ppm	0.0017 ppm	2.0330 ppm	0.0690 ppm	0.0264 ppm	-0.0002 ppm
Concentration per Run 2	12.7706 ppm	0.9752 ppm	0.0015 ppm	2.0584 ppm	0.0670 ppm	0.0248 ppm	-0.0006 ppm
Concentration per Run 3	12.7494 ppm	0.9784 ppm	0.0015 ppm	2.0567 ppm	0.0655 ppm	0.0249 ppm	0.0010 ppm
Concentration RSD	0.4 %	0.6 %	6.0 %	0.7 %	2.6 %	3.5 %	1,108.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0030 ppm	2.2985 ppm	0.0047 ppm	0.0182 ppm	2.2013 ppm	0.0047 ppm	0.0921 ppm
Concentration per Run 1	0.0022 ppm	2.4645 ppm	0.0055 ppm	0.0179 ppm	2.2138 ppm	0.0054 ppm	0.0922 ppm
Concentration per Run 2	0.0021 ppm	2.2583 ppm	0.0043 ppm	0.0183 ppm	2.1995 ppm	0.0040 ppm	0.0921 ppm
Concentration per Run 3	0.0047 ppm	2.1726 ppm	0.0041 ppm	0.0183 ppm	2.1907 ppm	0.0048 ppm	0.0920 ppm
Concentration RSD	49.1 %	6.5 %	16.2 %	1.1 %	0.5 %	15.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1119 ppm	114.8462 %	110.1237 %	110.4322 %	104.7282 %	97.3404 %	101.0625 %
Concentration per Run 1	0.1154 ppm	114.7615 %	110.3164 %	110.8411 %	105.0376 %	97.1007 %	101.1840 %
Concentration per Run 2	0.1110 ppm	115.2379 %	110.1101 %	110.0511 %	104.6592 %	97.4082 %	101.1135 %
Concentration per Run 3	0.1093 ppm	114.5392 %	109.9445 %	110.4044 %	104.4877 %	97.5124 %	100.8901 %
Concentration RSD	2.8 %	0.3 %	0.2 %	0.4 %	0.3 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-12D2 WG2084485
Analysis started at: 6/30/2025 9:24:52 AM
Comments <Comment>
Rack: 1
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	45.2507 ppm	0.0111 ppm	0.0210 ppm	0.1478 ppm	0.0015 ppm	10.3363 ppm
Concentration per Run 1	0.0000 ppm	45.0978 ppm	0.0122 ppm	0.0213 ppm	0.1477 ppm	0.0015 ppm	10.2966 ppm
Concentration per Run 2	-0.0005 ppm	45.2996 ppm	0.0105 ppm	0.0203 ppm	0.1477 ppm	0.0014 ppm	10.3612 ppm
Concentration per Run 3	-0.0006 ppm	45.3548 ppm	0.0106 ppm	0.0214 ppm	0.1482 ppm	0.0014 ppm	10.3512 ppm
Concentration RSD	79.5 %	0.3 %	8.5 %	3.0 %	0.2 %	2.9 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0361 ppm	0.1461 ppm	0.0885 ppm	73.6906 ppm	6.9980 ppm	0.0594 ppm
Concentration per Run 1	-0.0008 ppm	0.0364 ppm	0.1468 ppm	0.0891 ppm	73.3010 ppm	6.9671 ppm	0.0587 ppm
Concentration per Run 2	-0.0008 ppm	0.0361 ppm	0.1457 ppm	0.0886 ppm	73.8102 ppm	7.0234 ppm	0.0595 ppm
Concentration per Run 3	-0.0009 ppm	0.0360 ppm	0.1460 ppm	0.0877 ppm	73.9606 ppm	7.0035 ppm	0.0599 ppm
Concentration RSD	4.8 %	0.5 %	0.4 %	0.8 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.1317 ppm	0.9707 ppm	0.0258 ppm	2.1651 ppm	0.0837 ppm	0.0288 ppm	-0.0008 ppm
Concentration per Run 1	16.1765 ppm	0.9656 ppm	0.0261 ppm	2.1575 ppm	0.0845 ppm	0.0294 ppm	-0.0005 ppm
Concentration per Run 2	16.1473 ppm	0.9721 ppm	0.0256 ppm	2.1697 ppm	0.0834 ppm	0.0286 ppm	0.0003 ppm
Concentration per Run 3	16.0713 ppm	0.9744 ppm	0.0258 ppm	2.1682 ppm	0.0832 ppm	0.0285 ppm	-0.0022 ppm
Concentration RSD	0.3 %	0.5 %	0.9 %	0.3 %	0.8 %	1.7 %	160.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	2.4828 ppm	0.0050 ppm	0.0370 ppm	2.7419 ppm	0.0040 ppm	0.1219 ppm
Concentration per Run 1	0.0041 ppm	2.5227 ppm	0.0055 ppm	0.0369 ppm	2.7524 ppm	0.0057 ppm	0.1223 ppm
Concentration per Run 2	0.0049 ppm	2.4697 ppm	0.0051 ppm	0.0370 ppm	2.7456 ppm	0.0019 ppm	0.1221 ppm
Concentration per Run 3	0.0033 ppm	2.4558 ppm	0.0043 ppm	0.0371 ppm	2.7278 ppm	0.0045 ppm	0.1213 ppm
Concentration RSD	18.4 %	1.4 %	12.4 %	0.2 %	0.5 %	47.3 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1289 ppm	115.8936 %	111.2395 %	111.4176 %	105.2148 %	96.7401 %	100.5735 %
Concentration per Run 1	0.1301 ppm	116.1227 %	111.3514 %	111.6847 %	106.1457 %	96.7852 %	100.7015 %
Concentration per Run 2	0.1285 ppm	115.5190 %	111.2916 %	111.4431 %	104.7982 %	96.8091 %	100.6043 %
Concentration per Run 3	0.1280 ppm	116.0391 %	111.0753 %	111.1249 %	104.7004 %	96.6260 %	100.4146 %
Concentration RSD	0.8 %	0.3 %	0.1 %	0.3 %	0.8 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-13D2 WG2084485
Analysis started at: 6/30/2025 9:31:08 AM
Comments <Comment>
Rack: 1
Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	39.0396 ppm	0.0109 ppm	0.0053 ppm	0.1192 ppm	0.0015 ppm	3.3926 ppm
Concentration per Run 1	-0.0003 ppm	38.8796 ppm	0.0100 ppm	0.0054 ppm	0.1186 ppm	0.0015 ppm	3.3830 ppm
Concentration per Run 2	-0.0004 ppm	39.0216 ppm	0.0130 ppm	0.0056 ppm	0.1191 ppm	0.0014 ppm	3.3945 ppm
Concentration per Run 3	-0.0004 ppm	39.2176 ppm	0.0098 ppm	0.0048 ppm	0.1198 ppm	0.0015 ppm	3.4003 ppm
Concentration RSD	12.7 %	0.4 %	16.3 %	7.9 %	0.5 %	1.0 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0006 ppm	0.0395 ppm	0.0527 ppm	0.0714 ppm	70.6536 ppm	6.4027 ppm	0.0587 ppm
Concentration per Run 1	-0.0006 ppm	0.0394 ppm	0.0525 ppm	0.0719 ppm	70.3976 ppm	6.3653 ppm	0.0579 ppm
Concentration per Run 2	-0.0007 ppm	0.0394 ppm	0.0530 ppm	0.0710 ppm	70.6996 ppm	6.3998 ppm	0.0593 ppm
Concentration per Run 3	-0.0006 ppm	0.0396 ppm	0.0526 ppm	0.0713 ppm	70.8636 ppm	6.4430 ppm	0.0590 ppm
Concentration RSD	5.0 %	0.2 %	0.5 %	0.6 %	0.3 %	0.6 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.6321 ppm	0.6980 ppm	0.0017 ppm	2.0443 ppm	0.0921 ppm	0.0258 ppm	0.0002 ppm
Concentration per Run 1	13.5994 ppm	0.6958 ppm	0.0018 ppm	2.0300 ppm	0.0923 ppm	0.0258 ppm	0.0005 ppm
Concentration per Run 2	13.6678 ppm	0.6972 ppm	0.0018 ppm	2.0478 ppm	0.0923 ppm	0.0253 ppm	-0.0008 ppm
Concentration per Run 3	13.6292 ppm	0.7009 ppm	0.0016 ppm	2.0552 ppm	0.0918 ppm	0.0263 ppm	0.0009 ppm
Concentration RSD	0.3 %	0.4 %	7.8 %	0.6 %	0.3 %	1.9 %	439.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0044 ppm	1.6511 ppm	0.0045 ppm	0.0158 ppm	2.2582 ppm	0.0057 ppm	0.0882 ppm
Concentration per Run 1	0.0051 ppm	1.6618 ppm	0.0045 ppm	0.0157 ppm	2.2607 ppm	0.0053 ppm	0.0883 ppm
Concentration per Run 2	0.0037 ppm	1.6461 ppm	0.0046 ppm	0.0157 ppm	2.2586 ppm	0.0057 ppm	0.0886 ppm
Concentration per Run 3	0.0043 ppm	1.6454 ppm	0.0044 ppm	0.0161 ppm	2.2551 ppm	0.0062 ppm	0.0879 ppm
Concentration RSD	15.4 %	0.6 %	3.1 %	1.3 %	0.1 %	7.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1316 ppm	117.1167 %	112.3902 %	112.8304 %	105.4073 %	97.3434 %	101.4910 %
Concentration per Run 1	0.1321 ppm	117.0427 %	112.6356 %	112.8871 %	105.7492 %	97.3220 %	101.7931 %
Concentration per Run 2	0.1314 ppm	117.3196 %	112.2777 %	112.9006 %	105.4726 %	97.5011 %	101.3458 %
Concentration per Run 3	0.1314 ppm	116.9878 %	112.2572 %	112.7035 %	105.0000 %	97.2073 %	101.3340 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-01D2 WG2084485
Analysis started at: 6/30/2025 9:37:23 AM
Comments <Comment>
Rack: 1
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0015 ppm	161.4409 ppm	0.0578 ppm	0.0219 ppm	1.2170 ppm	0.0060 ppm	16.4223 ppm
Concentration per Run 1	0.0017 ppm	161.1788 ppm	0.0562 ppm	0.0224 ppm	1.2200 ppm	0.0060 ppm	16.4311 ppm
Concentration per Run 2	0.0014 ppm	161.7225 ppm	0.0600 ppm	0.0220 ppm	1.2198 ppm	0.0060 ppm	16.4471 ppm
Concentration per Run 3	0.0014 ppm	161.4213 ppm	0.0573 ppm	0.0215 ppm	1.2112 ppm	0.0060 ppm	16.3888 ppm
Concentration RSD	11.4 %	0.2 %	3.4 %	2.1 %	0.4 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0021 ppm	0.0993 ppm	0.1515 ppm	0.3051 ppm	202.0062 [SIC 600]	5.1645 ppm	0.1947 ppm
Concentration per Run 1	-0.0020 ppm	0.1007 ppm	0.1523 ppm	0.3063 ppm	202.3381 ppm	5.1692 ppm	0.1949 ppm
Concentration per Run 2	-0.0023 ppm	0.0989 ppm	0.1512 ppm	0.3058 ppm	203.6567 ppm	5.1777 ppm	0.1957 ppm
Concentration per Run 3	-0.0020 ppm	0.0982 ppm	0.1509 ppm	0.3033 ppm	200.0238 ppm	5.1466 ppm	0.1935 ppm
Concentration RSD	7.4 %	1.3 %	0.5 %	0.5 %	0.9 %	0.3 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	38.4312 ppm	6.6162 ppm	0.0034 ppm	4.3913 ppm	0.1559 ppm	0.2633 ppm	-0.0003 ppm
Concentration per Run 1	38.6776 ppm	6.6197 ppm	0.0032 ppm	4.4022 ppm	0.1586 ppm	0.2679 ppm	-0.0008 ppm
Concentration per Run 2	38.2697 ppm	6.6308 ppm	0.0036 ppm	4.3944 ppm	0.1553 ppm	0.2621 ppm	-0.0005 ppm
Concentration per Run 3	38.3462 ppm	6.5980 ppm	0.0035 ppm	4.3774 ppm	0.1539 ppm	0.2599 ppm	0.0004 ppm
Concentration RSD	0.6 %	0.3 %	5.3 %	0.3 %	1.5 %	1.6 %	216.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0101 ppm	1.6421 ppm	0.0324 ppm	0.1186 ppm	3.4279 ppm	0.0045 ppm	0.4036 ppm
Concentration per Run 1	0.0120 ppm	1.7469 ppm	0.0329 ppm	0.1189 ppm	3.4474 ppm	0.0043 ppm	0.4052 ppm
Concentration per Run 2	0.0087 ppm	1.6203 ppm	0.0329 ppm	0.1190 ppm	3.4247 ppm	0.0048 ppm	0.4035 ppm
Concentration per Run 3	0.0096 ppm	1.5591 ppm	0.0314 ppm	0.1180 ppm	3.4115 ppm	0.0045 ppm	0.4020 ppm
Concentration RSD	16.5 %	5.8 %	2.7 %	0.5 %	0.5 %	5.9 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5267 ppm	153.3321 %	141.6433 %	141.0301 %	114.8045 %	99.8771 %	107.8897 %
Concentration per Run 1	0.5341 ppm	154.2066 %	141.7686 %	141.6042 %	115.5392 %	99.7622 %	107.8879 %
Concentration per Run 2	0.5247 ppm	153.1621 %	141.8204 %	140.7785 %	114.6912 %	99.6813 %	108.0300 %
Concentration per Run 3	0.5213 ppm	152.6276 %	141.3409 %	140.7077 %	114.1832 %	100.1879 %	107.7512 %
Concentration RSD	1.3 %	0.5 %	0.2 %	0.4 %	0.6 %	0.3 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-02D2 WG2084485
Analysis started at: 6/30/2025 9:43:52 AM
Comments <Comment>
Rack: 1
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0610 ppm	35.2505 ppm	0.0312 ppm	0.0179 ppm	0.5817 ppm	0.0015 ppm	22.3999 ppm
Concentration per Run 1	0.0609 ppm	34.8233 ppm	0.0316 ppm	0.0181 ppm	0.5756 ppm	0.0015 ppm	22.0753 ppm
Concentration per Run 2	0.0611 ppm	35.4860 ppm	0.0315 ppm	0.0174 ppm	0.5846 ppm	0.0015 ppm	22.5443 ppm
Concentration per Run 3	0.0609 ppm	35.4420 ppm	0.0306 ppm	0.0183 ppm	0.5849 ppm	0.0015 ppm	22.5802 ppm
Concentration RSD	0.2 %	1.1 %	1.8 %	2.7 %	0.9 %	0.7 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0013 ppm	0.0309 ppm	0.0590 ppm	0.7015 ppm	41.0635 ppm	1.6212 ppm	0.0938 ppm
Concentration per Run 1	0.0013 ppm	0.0310 ppm	0.0588 ppm	0.7005 ppm	40.5276 ppm	1.5982 ppm	0.0928 ppm
Concentration per Run 2	0.0014 ppm	0.0308 ppm	0.0591 ppm	0.7031 ppm	41.3448 ppm	1.6100 ppm	0.0944 ppm
Concentration per Run 3	0.0013 ppm	0.0308 ppm	0.0590 ppm	0.7010 ppm	41.3179 ppm	1.6555 ppm	0.0943 ppm
Concentration RSD	0.6 %	0.4 %	0.3 %	0.2 %	1.1 %	1.9 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.2494 ppm	0.3728 ppm	0.0048 ppm	0.5452 ppm	0.0775 ppm	0.4876 ppm	-0.0001 ppm
Concentration per Run 1	15.2648 ppm	0.3674 ppm	0.0047 ppm	0.5371 ppm	0.0777 ppm	0.4880 ppm	0.0007 ppm
Concentration per Run 2	15.2187 ppm	0.3759 ppm	0.0050 ppm	0.5454 ppm	0.0774 ppm	0.4877 ppm	-0.0003 ppm
Concentration per Run 3	15.2646 ppm	0.3750 ppm	0.0047 ppm	0.5532 ppm	0.0774 ppm	0.4870 ppm	-0.0007 ppm
Concentration RSD	0.2 %	1.3 %	3.5 %	1.5 %	0.2 %	0.1 %	593.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0086 ppm	2.5434 ppm	0.0303 ppm	0.1162 ppm	1.3371 ppm	0.0024 ppm	0.1682 ppm
Concentration per Run 1	0.0071 ppm	2.5535 ppm	0.0311 ppm	0.1153 ppm	1.3373 ppm	0.0021 ppm	0.1683 ppm
Concentration per Run 2	0.0098 ppm	2.5371 ppm	0.0296 ppm	0.1166 ppm	1.3365 ppm	0.0024 ppm	0.1678 ppm
Concentration per Run 3	0.0091 ppm	2.5396 ppm	0.0303 ppm	0.1166 ppm	1.3376 ppm	0.0026 ppm	0.1686 ppm
Concentration RSD	16.2 %	0.3 %	2.4 %	0.7 %	0.0 %	9.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4969 ppm	113.6871 %	107.7896 %	107.3994 %	107.4912 %	97.1828 %	101.6277 %
Concentration per Run 1	0.4981 ppm	115.5323 %	107.5817 %	107.4420 %	109.1909 %	97.0357 %	101.3910 %
Concentration per Run 2	0.4969 ppm	112.8542 %	108.0226 %	107.3091 %	106.5611 %	97.2537 %	101.7418 %
Concentration per Run 3	0.4959 ppm	112.6748 %	107.7644 %	107.4473 %	106.7217 %	97.2590 %	101.7503 %
Concentration RSD	0.2 %	1.4 %	0.2 %	0.1 %	1.4 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-03D2 WG2084485
Analysis started at: 6/30/2025 9:50:06 AM
Comments <Comment>
Rack: 1
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	151.1521 ppm	0.0698 ppm	0.0178 ppm	1.1409 ppm	0.0058 ppm	14.9317 ppm
Concentration per Run 1	0.0010 ppm	152.5411 ppm	0.0721 ppm	0.0183 ppm	1.1434 ppm	0.0058 ppm	15.0006 ppm
Concentration per Run 2	0.0011 ppm	150.9897 ppm	0.0686 ppm	0.0178 ppm	1.1443 ppm	0.0058 ppm	14.9360 ppm
Concentration per Run 3	0.0004 ppm	149.9254 ppm	0.0685 ppm	0.0173 ppm	1.1351 ppm	0.0057 ppm	14.8584 ppm
Concentration RSD	43.5 %	0.9 %	2.9 %	2.7 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0023 ppm	0.0855 ppm	0.1565 ppm	0.2455 ppm	189.6189 ppm	4.9263 ppm	0.1716 ppm
Concentration per Run 1	-0.0022 ppm	0.0877 ppm	0.1580 ppm	0.2474 ppm	191.1692 ppm	4.9337 ppm	0.1712 ppm
Concentration per Run 2	-0.0024 ppm	0.0851 ppm	0.1572 ppm	0.2457 ppm	189.3675 ppm	4.9465 ppm	0.1731 ppm
Concentration per Run 3	-0.0024 ppm	0.0836 ppm	0.1544 ppm	0.2435 ppm	188.3200 ppm	4.8986 ppm	0.1706 ppm
Concentration RSD	5.7 %	2.4 %	1.2 %	0.8 %	0.8 %	0.5 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	31.2290 ppm	6.9663 ppm	0.0037 ppm	3.9659 ppm	0.1380 ppm	0.2216 ppm	-0.0008 ppm
Concentration per Run 1	31.4868 ppm	6.9862 ppm	0.0037 ppm	3.9742 ppm	0.1419 ppm	0.2280 ppm	-0.0009 ppm
Concentration per Run 2	31.2524 ppm	6.9826 ppm	0.0038 ppm	3.9759 ppm	0.1373 ppm	0.2199 ppm	-0.0032 ppm
Concentration per Run 3	30.9477 ppm	6.9301 ppm	0.0036 ppm	3.9477 ppm	0.1349 ppm	0.2170 ppm	0.0017 ppm
Concentration RSD	0.9 %	0.5 %	2.6 %	0.4 %	2.6 %	2.6 %	305.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0082 ppm	1.5787 ppm	0.0200 ppm	0.1066 ppm	3.1980 ppm	0.0065 ppm	0.3792 ppm
Concentration per Run 1	0.0082 ppm	1.7218 ppm	0.0208 ppm	0.1066 ppm	3.2232 ppm	0.0063 ppm	0.3823 ppm
Concentration per Run 2	0.0080 ppm	1.5582 ppm	0.0201 ppm	0.1073 ppm	3.1982 ppm	0.0057 ppm	0.3792 ppm
Concentration per Run 3	0.0083 ppm	1.4561 ppm	0.0191 ppm	0.1058 ppm	3.1726 ppm	0.0076 ppm	0.3762 ppm
Concentration RSD	2.3 %	8.5 %	4.4 %	0.7 %	0.8 %	14.6 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4381 ppm	151.0444 %	139.9545 %	138.8167 %	114.0199 %	99.7097 %	107.2222 %
Concentration per Run 1	0.4492 ppm	150.9322 %	140.3159 %	140.0723 %	114.2020 %	99.7623 %	107.3163 %
Concentration per Run 2	0.4359 ppm	151.2067 %	139.8358 %	138.6670 %	113.9520 %	99.7687 %	107.2085 %
Concentration per Run 3	0.4290 ppm	150.9941 %	139.7119 %	137.7107 %	113.9056 %	99.5983 %	107.1416 %
Concentration RSD	2.3 %	0.1 %	0.2 %	0.9 %	0.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-04D2 WG2084485
Analysis started at: 6/30/2025 9:56:36 AM
Comments <Comment>
Rack: 1
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0105 ppm	103.6604 ppm	0.0580 ppm	0.0277 ppm	1.1873 ppm	0.0048 ppm	50.3958 ppm
Concentration per Run 1	0.0106 ppm	103.8987 ppm	0.0587 ppm	0.0281 ppm	1.1919 ppm	0.0048 ppm	50.4311 ppm
Concentration per Run 2	0.0106 ppm	103.6058 ppm	0.0588 ppm	0.0281 ppm	1.1853 ppm	0.0048 ppm	50.3985 ppm
Concentration per Run 3	0.0101 ppm	103.4766 ppm	0.0565 ppm	0.0268 ppm	1.1846 ppm	0.0048 ppm	50.3579 ppm
Concentration RSD	2.6 %	0.2 %	2.2 %	2.6 %	0.3 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0070 ppm	0.1078 ppm	0.2035 ppm	0.8027 ppm	197.0507 ppm	6.3683 ppm	0.2176 ppm
Concentration per Run 1	0.0073 ppm	0.1095 ppm	0.2034 ppm	0.8079 ppm	196.7317 ppm	6.3969 ppm	0.2184 ppm
Concentration per Run 2	0.0068 ppm	0.1073 ppm	0.2042 ppm	0.8023 ppm	199.3467 ppm	6.3538 ppm	0.2176 ppm
Concentration per Run 3	0.0069 ppm	0.1066 ppm	0.2028 ppm	0.7979 ppm	195.0737 ppm	6.3542 ppm	0.2169 ppm
Concentration RSD	4.1 %	1.4 %	0.3 %	0.6 %	1.1 %	0.4 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	49.3542 ppm	5.7227 ppm	0.0044 ppm	1.1702 ppm	0.1964 ppm	5.5753 ppm	0.0009 ppm
Concentration per Run 1	49.4228 ppm	5.7276 ppm	0.0046 ppm	1.1762 ppm	0.1998 ppm	5.6557 ppm	0.0026 ppm
Concentration per Run 2	49.4522 ppm	5.7328 ppm	0.0043 ppm	1.1662 ppm	0.1955 ppm	5.5402 ppm	0.0006 ppm
Concentration per Run 3	49.1875 ppm	5.7078 ppm	0.0042 ppm	1.1682 ppm	0.1940 ppm	5.5300 ppm	-0.0004 ppm
Concentration RSD	0.3 %	0.2 %	4.0 %	0.5 %	1.5 %	1.3 %	164.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0094 ppm	2.3462 ppm	0.0451 ppm	0.1561 ppm	4.3634 ppm	0.0073 ppm	0.4909 ppm
Concentration per Run 1	0.0120 ppm	2.4196 ppm	0.0460 ppm	0.1563 ppm	4.3824 ppm	0.0076 ppm	0.4932 ppm
Concentration per Run 2	0.0105 ppm	2.3225 ppm	0.0446 ppm	0.1562 ppm	4.3651 ppm	0.0083 ppm	0.4912 ppm
Concentration per Run 3	0.0057 ppm	2.2965 ppm	0.0448 ppm	0.1557 ppm	4.3428 ppm	0.0060 ppm	0.4883 ppm
Concentration RSD	34.6 %	2.8 %	1.7 %	0.2 %	0.5 %	16.2 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3596 ppm	150.0022 %	139.2425 %	136.9739 %	116.6343 %	101.1491 %	109.6393 %
Concentration per Run 1	2.3968 ppm	150.5227 %	139.6344 %	137.5813 %	117.1009 %	101.0288 %	109.8330 %
Concentration per Run 2	2.3425 ppm	149.9605 %	139.2158 %	136.6984 %	116.2839 %	101.3407 %	109.5873 %
Concentration per Run 3	2.3396 ppm	149.5234 %	138.8772 %	136.6420 %	116.5181 %	101.0777 %	109.4976 %
Concentration RSD	1.4 %	0.3 %	0.3 %	0.4 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 10:02:57 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5235 ppm	0.5115 ppm	0.4866 ppm	0.4937 ppm	0.5063 ppm	0.5176 ppm	0.5249 ppm
Concentration per Run 1	0.5227 ppm	0.5327 ppm	0.4878 ppm	0.4925 ppm	0.5214 ppm	0.5336 ppm	0.5449 ppm
Concentration per Run 2	0.5239 ppm	0.5034 ppm	0.4854 ppm	0.4946 ppm	0.5003 ppm	0.5116 ppm	0.5145 ppm
Concentration per Run 3	0.5239 ppm	0.4984 ppm	0.4866 ppm	0.4940 ppm	0.4972 ppm	0.5076 ppm	0.5154 ppm
Recovery Percentage 1	104.698 %	102.298 %	97.318 %	98.734 %	101.262 %	103.514 %	104.980 %
Concentration RSD	0.1 %	3.6 %	0.2 %	0.2 %	2.6 %	2.7 %	3.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4955 ppm	0.5036 ppm	0.5088 ppm	0.5066 ppm	0.5677 ppm	5.2938 ppm	0.5132 ppm
Concentration per Run 1	0.4952 ppm	0.5029 ppm	0.5072 ppm	0.5068 ppm	0.5958 ppm	5.4506 ppm	0.5284 ppm
Concentration per Run 2	0.4965 ppm	0.5044 ppm	0.5094 ppm	0.5059 ppm	0.5529 ppm	5.2255 ppm	0.5071 ppm
Concentration per Run 3	0.4947 ppm	0.5034 ppm	0.5097 ppm	0.5072 ppm	0.5543 ppm	5.2052 ppm	0.5040 ppm
Recovery Percentage 1	99.094 %	100.715 %	101.755 %	101.323 %	113.536 %	105.876 %	102.634 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.1 %	4.3 %	2.6 %	2.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5303 ppm	0.5237 ppm	0.4978 ppm	10.4164 ppm	0.5127 ppm	0.5147 ppm	0.5099 ppm
Concentration per Run 1	0.5296 ppm	0.5408 ppm	0.4965 ppm	10.7207 ppm	0.5120 ppm	0.5146 ppm	0.5105 ppm
Concentration per Run 2	0.5286 ppm	0.5174 ppm	0.4984 ppm	10.2921 ppm	0.5133 ppm	0.5158 ppm	0.5077 ppm
Concentration per Run 3	0.5328 ppm	0.5129 ppm	0.4985 ppm	10.2363 ppm	0.5129 ppm	0.5137 ppm	0.5114 ppm
Recovery Percentage 1	106.069 %	104.736 %	99.554 %	104.164 %	102.550 %	102.937 %	101.972 %
Concentration RSD	0.4 %	2.9 %	0.2 %	2.5 %	0.1 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4968 ppm	5.5294 ppm	0.5107 ppm	0.5105 ppm	0.5119 ppm	0.5273 ppm	0.5110 ppm
Concentration per Run 1	0.4937 ppm	5.5209 ppm	0.5111 ppm	0.5249 ppm	0.5117 ppm	0.5266 ppm	0.5107 ppm
Concentration per Run 2	0.4984 ppm	5.5371 ppm	0.5114 ppm	0.5054 ppm	0.5123 ppm	0.5265 ppm	0.5115 ppm
Concentration per Run 3	0.4982 ppm	5.5303 ppm	0.5096 ppm	0.5013 ppm	0.5117 ppm	0.5289 ppm	0.5109 ppm
Recovery Percentage 1	99.352 %	105.322 %	102.137 %	102.106 %	102.379 %	105.466 %	102.206 %
Concentration RSD	0.5 %	0.1 %	0.2 %	2.5 %	0.1 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5039 ppm	100.3302 %	98.9008 %	99.3200 %	98.5118 %	98.3017 %	98.3103 %
Concentration per Run 1	0.5041 ppm	97.8092 %	99.1079 %	99.3745 %	95.7423 %	98.4217 %	98.5891 %
Concentration per Run 2	0.5051 ppm	101.3077 %	98.8441 %	99.2853 %	99.5673 %	98.1138 %	98.1730 %
Concentration per Run 3	0.5025 ppm	101.8736 %	98.7505 %	99.3002 %	100.2257 %	98.3697 %	98.1688 %
Recovery Percentage 1	100.781 %						
Concentration RSD	0.3 %	2.2 %	0.2 %	0.0 %	2.5 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 10:09:04 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0029 ppm	0.0012 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0063 ppm	0.0014 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0015 ppm	0.0006 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 3	0.0004 ppm	-0.0038 ppm	0.0014 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm
Recovery Percentage 1	1.148 %	-2.854 %	23.039 %	3.818 %	1.113 %	1.341 %	-0.180 %
Concentration RSD	334.7 %	140.4 %	38.3 %	24.2 %	18.4 %	24.4 %	625.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0023 ppm	-0.0132 ppm	-0.0014 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0019 ppm	0.0001 ppm	-0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0012 ppm	-0.0250 ppm	-0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0039 ppm	-0.0148 ppm	-0.0011 ppm
Recovery Percentage 1	0.452 %	-0.160 %	2.177 %	5.657 %	4.623 %	-0.528 %	-14.242 %
Concentration RSD	94.4 %	146.6 %	75.1 %	24.2 %	60.7 %	95.7 %	22.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0009 ppm	0.0001 ppm	0.0013 ppm	-0.0110 ppm	0.0001 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run 1	-0.0005 ppm	0.0001 ppm	0.0015 ppm	-0.0109 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 2	0.0015 ppm	0.0002 ppm	0.0013 ppm	-0.0137 ppm	0.0002 ppm	0.0014 ppm	0.0006 ppm
Concentration per Run 3	0.0017 ppm	0.0001 ppm	0.0009 ppm	-0.0083 ppm	0.0002 ppm	0.0006 ppm	0.0002 ppm
Recovery Percentage 1	0.890 %	1.220 %	2.538 %	-0.549 %	0.443 %	7.419 %	0.978 %
Concentration RSD	136.0 %	40.5 %	24.4 %	24.6 %	102.0 %	77.2 %	47.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	0.0041 ppm	-0.0003 ppm	0.0002 ppm	0.0003 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run 1	0.0007 ppm	0.0036 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0028 ppm	0.0004 ppm
Concentration per Run 2	0.0039 ppm	0.0057 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration per Run 3	0.0031 ppm	0.0029 ppm	-0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	25.709 %	0.816 %	-0.610 %	1.582 %	2.628 %	-6.053 %	2.295 %
Concentration RSD	64.4 %	35.9 %	102.4 %	56.1 %	29.3 %	119.4 %	66.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	102.7991 %	100.3747 %	100.0756 %	99.7010 %	99.5480 %	98.2269 %
Concentration per Run 1	-0.0001 ppm	102.4053 %	100.2569 %	100.0916 %	99.2690 %	99.3913 %	98.1798 %
Concentration per Run 2	-0.0001 ppm	102.3935 %	100.5453 %	100.0249 %	99.7560 %	99.6440 %	98.2983 %
Concentration per Run 3	-0.0001 ppm	103.5984 %	100.3220 %	100.1102 %	100.0779 %	99.6085 %	98.2027 %
Recovery Percentage 1	-1.950 %						
Concentration RSD	24.0 %	0.7 %	0.2 %	0.0 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 10:25:51 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5257 ppm	0.4719 ppm	0.4834 ppm	0.4935 ppm	0.4835 ppm	0.4974 ppm	0.4915 ppm
Concentration per Run 1	0.5253 ppm	0.4687 ppm	0.4807 ppm	0.4915 ppm	0.4749 ppm	0.4885 ppm	0.4800 ppm
Concentration per Run 2	0.5257 ppm	0.4750 ppm	0.4835 ppm	0.4934 ppm	0.4864 ppm	0.4998 ppm	0.4969 ppm
Concentration per Run 3	0.5260 ppm	0.4722 ppm	0.4862 ppm	0.4956 ppm	0.4891 ppm	0.5040 ppm	0.4975 ppm
Recovery Percentage 1	105.131 %	94.388 %	96.689 %	98.706 %	96.693 %	99.489 %	98.291 %
Concentration RSD	0.1 %	0.7 %	0.6 %	0.4 %	1.6 %	1.6 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4942 ppm	0.5023 ppm	0.5085 ppm	0.5067 ppm	0.4931 ppm	5.0975 ppm	0.4955 ppm
Concentration per Run 1	0.4933 ppm	0.5014 ppm	0.5081 ppm	0.5059 ppm	0.4821 ppm	5.0309 ppm	0.4869 ppm
Concentration per Run 2	0.4937 ppm	0.5015 ppm	0.5073 ppm	0.5076 ppm	0.4981 ppm	5.1157 ppm	0.4987 ppm
Concentration per Run 3	0.4957 ppm	0.5041 ppm	0.5100 ppm	0.5067 ppm	0.4993 ppm	5.1459 ppm	0.5009 ppm
Recovery Percentage 1	98.849 %	100.468 %	101.695 %	101.350 %	98.627 %	101.950 %	99.104 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	1.9 %	1.2 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5270 ppm	0.5012 ppm	0.4975 ppm	10.0692 ppm	0.5120 ppm	0.5133 ppm	0.5101 ppm
Concentration per Run 1	0.5249 ppm	0.4928 ppm	0.4966 ppm	9.8933 ppm	0.5113 ppm	0.5120 ppm	0.5080 ppm
Concentration per Run 2	0.5259 ppm	0.5030 ppm	0.4969 ppm	10.1325 ppm	0.5118 ppm	0.5128 ppm	0.5110 ppm
Concentration per Run 3	0.5302 ppm	0.5078 ppm	0.4989 ppm	10.1820 ppm	0.5129 ppm	0.5152 ppm	0.5115 ppm
Recovery Percentage 1	105.401 %	100.247 %	99.497 %	100.692 %	102.404 %	102.668 %	102.027 %
Concentration RSD	0.5 %	1.5 %	0.2 %	1.5 %	0.2 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4942 ppm	5.5071 ppm	0.5112 ppm	0.4922 ppm	0.5112 ppm	0.5275 ppm	0.5109 ppm
Concentration per Run 1	0.4915 ppm	5.4992 ppm	0.5098 ppm	0.4836 ppm	0.5106 ppm	0.5257 ppm	0.5114 ppm
Concentration per Run 2	0.4929 ppm	5.4977 ppm	0.5103 ppm	0.4944 ppm	0.5111 ppm	0.5260 ppm	0.5098 ppm
Concentration per Run 3	0.4984 ppm	5.5244 ppm	0.5135 ppm	0.4985 ppm	0.5120 ppm	0.5309 ppm	0.5115 ppm
Recovery Percentage 1	98.845 %	104.897 %	102.239 %	98.430 %	102.248 %	105.507 %	102.176 %
Concentration RSD	0.7 %	0.3 %	0.4 %	1.6 %	0.1 %	0.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5024 ppm	104.5036 %	98.6828 %	98.7488 %	101.2768 %	97.8701 %	97.9108 %
Concentration per Run 1	0.5011 ppm	106.7730 %	98.5755 %	98.7720 %	102.6778 %	98.0914 %	97.8680 %
Concentration per Run 2	0.5018 ppm	103.6263 %	98.9485 %	98.6908 %	101.0072 %	98.0323 %	98.0946 %
Concentration per Run 3	0.5042 ppm	103.1115 %	98.5244 %	98.7838 %	100.1453 %	97.4864 %	97.7699 %
Recovery Percentage 1	100.473 %						
Concentration RSD	0.3 %	1.9 %	0.2 %	0.1 %	1.3 %	0.3 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 10:31:58 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0027 ppm	0.0012 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	-0.0001 ppm	-0.0039 ppm	0.0015 ppm	0.0017 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	-0.0046 ppm	0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 3	0.0002 ppm	0.0005 ppm	0.0013 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0054 ppm
Recovery Percentage 1	-0.359 %	-2.684 %	23.628 %	4.631 %	-0.488 %	0.911 %	2.113 %
Concentration RSD	821.0 %	103.4 %	33.0 %	22.7 %	237.7 %	56.3 %	134.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	-0.0183 ppm	-0.0019 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	-0.0238 ppm	-0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0027 ppm	-0.0175 ppm	-0.0019 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm	-0.0135 ppm	-0.0021 ppm
Recovery Percentage 1	0.162 %	0.220 %	0.727 %	4.425 %	3.074 %	-0.732 %	-18.684 %
Concentration RSD	527.3 %	84.5 %	44.4 %	27.2 %	63.7 %	28.3 %	16.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0008 ppm	0.0000 ppm	0.0014 ppm	-0.0131 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.0012 ppm	0.0002 ppm	0.0016 ppm	-0.0094 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0013 ppm	-0.0143 ppm	0.0004 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0012 ppm	0.0000 ppm	0.0012 ppm	-0.0155 ppm	-0.0001 ppm	0.0000 ppm	-0.0017 ppm
Recovery Percentage 1	0.805 %	-0.230 %	2.740 %	-0.653 %	0.404 %	1.882 %	-0.949 %
Concentration RSD	83.1 %	985.9 %	15.3 %	24.8 %	269.8 %	164.0 %	242.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.0011 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 1	0.0025 ppm	0.0022 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0019 ppm	-0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0009 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0026 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm	0.0004 ppm	-0.0018 ppm	0.0001 ppm
Recovery Percentage 1	18.073 %	0.230 %	-0.827 %	0.716 %	2.325 %	-6.358 %	0.138 %
Concentration RSD	71.4 %	79.7 %	95.6 %	216.1 %	97.3 %	78.0 %	1,112.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	101.8048 %	100.1730 %	99.9967 %	97.8042 %	99.6644 %	97.8786 %
Concentration per Run 1	0.0000 ppm	101.1686 %	100.0024 %	99.8247 %	97.3060 %	99.5774 %	97.5808 %
Concentration per Run 2	0.0001 ppm	101.7694 %	100.3543 %	100.0981 %	97.6596 %	99.4980 %	98.2263 %
Concentration per Run 3	-0.0001 ppm	102.4762 %	100.1624 %	100.0673 %	98.4469 %	99.9177 %	97.8288 %
Recovery Percentage 1	0.008 %						
Concentration RSD	22,692.9 %	0.6 %	0.2 %	0.1 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2535700-02d2 WG2078476
Analysis started at: 6/30/2025 11:41:48 AM
Comments <Comment>
Rack: 1
Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	17.9329 ppm	0.0081 ppm	0.1833 ppm	0.4187 ppm	0.0019 ppm	40.9477 ppm
Concentration per Run 1	-0.0004 ppm	18.1546 ppm	0.0086 ppm	0.1836 ppm	0.4242 ppm	0.0020 ppm	41.4927 ppm
Concentration per Run 2	-0.0002 ppm	17.9069 ppm	0.0075 ppm	0.1829 ppm	0.4177 ppm	0.0019 ppm	40.8612 ppm
Concentration per Run 3	0.0000 ppm	17.7373 ppm	0.0083 ppm	0.1832 ppm	0.4143 ppm	0.0019 ppm	40.4892 ppm
Concentration RSD	96.0 %	1.2 %	6.6 %	0.2 %	1.2 %	1.8 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0282 ppm	0.0501 ppm	0.0557 ppm	114.0327 ppm	10.7906 ppm	0.0145 ppm
Concentration per Run 1	-0.0001 ppm	0.0284 ppm	0.0497 ppm	0.0557 ppm	114.7214 ppm	10.9425 ppm	0.0148 ppm
Concentration per Run 2	-0.0002 ppm	0.0280 ppm	0.0504 ppm	0.0560 ppm	114.7912 ppm	10.7447 ppm	0.0146 ppm
Concentration per Run 3	-0.0002 ppm	0.0284 ppm	0.0503 ppm	0.0554 ppm	112.5856 ppm	10.6847 ppm	0.0142 ppm
Concentration RSD	42.0 %	0.8 %	0.8 %	0.5 %	1.1 %	1.3 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.1068 ppm	1.8311 ppm	-0.0007 ppm	21.8021 ppm	0.0225 ppm	0.1486 ppm	-0.0014 ppm
Concentration per Run 1	16.0991 ppm	1.8574 ppm	-0.0005 ppm	22.0928 ppm	0.0224 ppm	0.1490 ppm	-0.0005 ppm
Concentration per Run 2	16.1207 ppm	1.8254 ppm	-0.0005 ppm	21.7428 ppm	0.0228 ppm	0.1487 ppm	-0.0036 ppm
Concentration per Run 3	16.1007 ppm	1.8105 ppm	-0.0009 ppm	21.5708 ppm	0.0223 ppm	0.1481 ppm	-0.0003 ppm
Concentration RSD	0.1 %	1.3 %	34.8 %	1.2 %	1.0 %	0.3 %	126.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	21.7654 [SIC 200]	0.0022 ppm	0.2045 ppm	0.0983 ppm	0.0018 ppm	0.0813 ppm
Concentration per Run 1	0.0017 ppm	21.8121 ppm	0.0021 ppm	0.2073 ppm	0.0985 ppm	0.0005 ppm	0.0816 ppm
Concentration per Run 2	0.0024 ppm	21.7404 ppm	0.0023 ppm	0.2039 ppm	0.0983 ppm	0.0033 ppm	0.0811 ppm
Concentration per Run 3	0.0015 ppm	21.7438 ppm	0.0023 ppm	0.2024 ppm	0.0983 ppm	0.0017 ppm	0.0813 ppm
Concentration RSD	25.9 %	0.2 %	6.4 %	1.2 %	0.1 %	75.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3805 ppm	117.8375 %	108.5171 %	107.8443 %	104.2287 %	92.8283 %	96.6633 %
Concentration per Run 1	0.3809 ppm	116.8252 %	108.5624 %	107.9878 %	103.4442 %	92.7717 %	96.7151 %
Concentration per Run 2	0.3795 ppm	117.7032 %	108.5510 %	107.9553 %	104.1976 %	92.9616 %	96.5986 %
Concentration per Run 3	0.3812 ppm	118.9841 %	108.4379 %	107.5899 %	105.0445 %	92.7517 %	96.6763 %
Concentration RSD	0.2 %	0.9 %	0.1 %	0.2 %	0.8 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2535761-01 WG2079886
Analysis started at: 6/30/2025 11:48:08 AM
Comments <Comment>
Rack: 1
Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0170 ppm	0.0009 ppm	0.0064 ppm	0.0001 ppm	0.0000 ppm	0.0228 ppm
Concentration per Run 1	-0.0001 ppm	0.0136 ppm	0.0011 ppm	0.0062 ppm	0.0001 ppm	0.0000 ppm	0.0234 ppm
Concentration per Run 2	0.0002 ppm	0.0174 ppm	0.0004 ppm	0.0064 ppm	0.0001 ppm	0.0000 ppm	0.0225 ppm
Concentration per Run 3	-0.0003 ppm	0.0201 ppm	0.0013 ppm	0.0068 ppm	0.0002 ppm	0.0000 ppm	0.0225 ppm
Concentration RSD	293.2 %	19.1 %	49.5 %	4.4 %	37.7 %	50.3 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0383 ppm	0.0451 ppm	0.0043 ppm	-0.0015 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0384 ppm	0.0454 ppm	0.0073 ppm	-0.0025 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0382 ppm	0.0457 ppm	0.0019 ppm	-0.0009 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0382 ppm	0.0442 ppm	0.0035 ppm	-0.0011 ppm
Concentration RSD	54.4 %	1,403.4 %	94.7 %	0.2 %	1.7 %	65.5 %	56.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0054 ppm	0.0033 ppm	-0.0001 ppm	45.7061 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0046 ppm	0.0032 ppm	-0.0003 ppm	45.8468 ppm	0.0004 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 2	0.0063 ppm	0.0032 ppm	0.0000 ppm	45.8376 ppm	0.0004 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	0.0051 ppm	0.0034 ppm	-0.0001 ppm	45.4339 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	16.4 %	3.0 %	144.3 %	0.5 %	11.2 %	77.5 %	540.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	1.6470 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 1	-0.0014 ppm	1.6434 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 2	0.0013 ppm	1.6409 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0006 ppm	1.6566 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0026 ppm	0.0001 ppm
Concentration RSD	558.4 %	0.5 %	134.6 %	24.0 %	56.5 %	67.5 %	59.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	100.8782 %	97.2692 %	97.2995 %	98.8197 %	97.1376 %	97.2349 %
Concentration per Run 1	0.0008 ppm	100.8067 %	97.0818 %	97.7133 %	98.5700 %	97.4226 %	97.0906 %
Concentration per Run 2	0.0008 ppm	100.4003 %	97.4986 %	97.5102 %	98.4586 %	97.4552 %	97.5691 %
Concentration per Run 3	0.0009 ppm	101.4277 %	97.2271 %	96.6751 %	99.4307 %	96.5351 %	97.0449 %
Concentration RSD	4.8 %	0.5 %	0.2 %	0.6 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-7 WG2079886
Analysis started at: 6/30/2025 11:54:32 AM
Comments <Comment>
Rack: 1
Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0551 ppm	2.1325 ppm	0.1277 ppm	1.0296 ppm	2.0713 ppm	0.0522 ppm	10.1995 ppm
Concentration per Run 1	0.0550 ppm	2.1389 ppm	0.1268 ppm	1.0261 ppm	2.0784 ppm	0.0522 ppm	10.2075 ppm
Concentration per Run 2	0.0551 ppm	2.1329 ppm	0.1284 ppm	1.0314 ppm	2.0870 ppm	0.0521 ppm	10.1848 ppm
Concentration per Run 3	0.0551 ppm	2.1257 ppm	0.1279 ppm	1.0313 ppm	2.0485 ppm	0.0522 ppm	10.2063 ppm
Concentration RSD	0.1 %	0.3 %	0.6 %	0.3 %	1.0 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0546 ppm	0.5091 ppm	0.2087 ppm	0.2976 ppm	1.0888 ppm	11.0543 ppm	-0.0007 ppm
Concentration per Run 1	0.0546 ppm	0.5085 ppm	0.2082 ppm	0.2970 ppm	1.0876 ppm	11.1122 ppm	-0.0018 ppm
Concentration per Run 2	0.0546 ppm	0.5090 ppm	0.2090 ppm	0.2974 ppm	1.0900 ppm	11.0229 ppm	-0.0005 ppm
Concentration per Run 3	0.0546 ppm	0.5098 ppm	0.2089 ppm	0.2984 ppm	1.0889 ppm	11.0279 ppm	0.0003 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.1 %	0.5 %	156.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3563 ppm	0.5224 ppm	0.9919 ppm	55.7948 ppm	0.5189 ppm	0.5420 ppm	0.4790 ppm
Concentration per Run 1	10.3321 ppm	0.5244 ppm	0.9871 ppm	55.8752 ppm	0.5181 ppm	0.5416 ppm	0.4746 ppm
Concentration per Run 2	10.3865 ppm	0.5209 ppm	0.9932 ppm	55.8161 ppm	0.5196 ppm	0.5421 ppm	0.4794 ppm
Concentration per Run 3	10.3504 ppm	0.5220 ppm	0.9956 ppm	55.6931 ppm	0.5188 ppm	0.5424 ppm	0.4829 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.2 %	0.1 %	0.1 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1261 ppm	2.7924 ppm	0.9826 ppm	1.0384 ppm	1.0397 ppm	0.1219 ppm	0.5304 ppm
Concentration per Run 1	0.1263 ppm	2.7840 ppm	0.9812 ppm	1.0405 ppm	1.0388 ppm	0.1210 ppm	0.5296 ppm
Concentration per Run 2	0.1257 ppm	2.7950 ppm	0.9827 ppm	1.0378 ppm	1.0402 ppm	0.1225 ppm	0.5309 ppm
Concentration per Run 3	0.1262 ppm	2.7983 ppm	0.9840 ppm	1.0369 ppm	1.0399 ppm	0.1221 ppm	0.5306 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	0.1 %	0.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5238 ppm	102.0881 %	96.2626 %	96.4117 %	100.3299 %	95.9433 %	96.4972 %
Concentration per Run 1	0.5237 ppm	101.8636 %	96.4701 %	96.5176 %	99.9933 %	96.0895 %	96.5866 %
Concentration per Run 2	0.5235 ppm	102.5751 %	96.3100 %	96.3381 %	100.5010 %	95.9247 %	96.5150 %
Concentration per Run 3	0.5241 ppm	101.8256 %	96.0076 %	96.3794 %	100.4953 %	95.8157 %	96.3902 %
Concentration RSD	0.1 %	0.4 %	0.2 %	0.1 %	0.3 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-8 WG2079886
Analysis started at: 6/30/2025 12:00:42 PM
Comments <Comment>
Rack: 1
Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0186 ppm	0.0006 ppm	0.0074 ppm	0.0002 ppm	0.0001 ppm	0.0243 ppm
Concentration per Run 1	0.0000 ppm	0.0204 ppm	0.0000 ppm	0.0073 ppm	0.0003 ppm	0.0000 ppm	0.0266 ppm
Concentration per Run 2	0.0003 ppm	0.0220 ppm	0.0009 ppm	0.0073 ppm	0.0002 ppm	0.0000 ppm	0.0228 ppm
Concentration per Run 3	-0.0001 ppm	0.0133 ppm	0.0008 ppm	0.0074 ppm	0.0001 ppm	0.0001 ppm	0.0236 ppm
Concentration RSD	236.2 %	24.9 %	81.6 %	1.0 %	63.3 %	22.9 %	8.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0389 ppm	0.0376 ppm	0.0276 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0389 ppm	0.0380 ppm	0.0091 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0391 ppm	0.0369 ppm	0.0387 ppm	-0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0388 ppm	0.0379 ppm	0.0349 ppm	0.0004 ppm
Concentration RSD	202.5 %	30.6 %	62.5 %	0.4 %	1.6 %	58.4 %	185.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0059 ppm	0.0056 ppm	0.0051 ppm	48.2029 ppm	0.0002 ppm	0.0004 ppm	0.0080 ppm
Concentration per Run 1	0.0077 ppm	0.0057 ppm	0.0058 ppm	49.3566 ppm	0.0001 ppm	0.0003 ppm	0.0077 ppm
Concentration per Run 2	0.0059 ppm	0.0056 ppm	0.0051 ppm	47.7883 ppm	0.0003 ppm	0.0010 ppm	0.0087 ppm
Concentration per Run 3	0.0043 ppm	0.0055 ppm	0.0044 ppm	47.4639 ppm	0.0001 ppm	0.0000 ppm	0.0076 ppm
Concentration RSD	28.0 %	1.5 %	13.9 %	2.1 %	66.0 %	124.9 %	7.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	1.6683 ppm	0.0035 ppm	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	-0.0009 ppm	1.6641 ppm	0.0039 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0030 ppm	1.6720 ppm	0.0038 ppm	0.0000 ppm	0.0008 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	1.6689 ppm	0.0028 ppm	0.0001 ppm	0.0004 ppm	-0.0016 ppm	0.0003 ppm
Concentration RSD	311.9 %	0.2 %	18.1 %	86.7 %	44.2 %	471.2 %	27.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0014 ppm	101.1660 %	96.9751 %	97.1690 %	98.7994 %	97.2924 %	96.8982 %
Concentration per Run 1	0.0014 ppm	99.3914 %	97.1878 %	97.4796 %	96.6877 %	97.5245 %	97.2322 %
Concentration per Run 2	0.0013 ppm	101.7945 %	97.1005 %	97.1577 %	99.7185 %	97.0591 %	96.8644 %
Concentration per Run 3	0.0013 ppm	102.3122 %	96.6370 %	96.8696 %	99.9920 %	97.2938 %	96.5982 %
Concentration RSD	3.1 %	1.5 %	0.3 %	0.3 %	1.9 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-9 WG2079886
Analysis started at: 6/30/2025 12:07:03 PM
Comments <Comment>
Rack: 1
Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0568 ppm	2.1583 ppm	0.1194 ppm	0.9852 ppm	2.1083 ppm	0.0530 ppm	9.7064 ppm
Concentration per Run 1	0.0570 ppm	2.1549 ppm	0.1189 ppm	0.9828 ppm	2.0899 ppm	0.0530 ppm	9.7139 ppm
Concentration per Run 2	0.0567 ppm	2.1541 ppm	0.1198 ppm	0.9880 ppm	2.1139 ppm	0.0529 ppm	9.7034 ppm
Concentration per Run 3	0.0567 ppm	2.1658 ppm	0.1194 ppm	0.9850 ppm	2.1210 ppm	0.0531 ppm	9.7020 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.3 %	0.8 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0503 ppm	0.5199 ppm	0.2130 ppm	0.3034 ppm	1.1055 ppm	10.5434 ppm	-0.0010 ppm
Concentration per Run 1	0.0502 ppm	0.5193 ppm	0.2126 ppm	0.3037 ppm	1.1063 ppm	10.5611 ppm	-0.0006 ppm
Concentration per Run 2	0.0505 ppm	0.5212 ppm	0.2132 ppm	0.3033 ppm	1.1051 ppm	10.5509 ppm	-0.0010 ppm
Concentration per Run 3	0.0503 ppm	0.5194 ppm	0.2132 ppm	0.3033 ppm	1.1051 ppm	10.5181 ppm	-0.0013 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.1 %	0.2 %	36.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.8966 ppm	0.5328 ppm	0.9461 ppm	53.8581 ppm	0.5295 ppm	0.5116 ppm	0.3904 ppm
Concentration per Run 1	9.9014 ppm	0.5331 ppm	0.9403 ppm	53.9250 ppm	0.5287 ppm	0.5110 ppm	0.3765 ppm
Concentration per Run 2	9.9126 ppm	0.5314 ppm	0.9499 ppm	53.8189 ppm	0.5306 ppm	0.5118 ppm	0.3918 ppm
Concentration per Run 3	9.8759 ppm	0.5338 ppm	0.9479 ppm	53.8305 ppm	0.5292 ppm	0.5119 ppm	0.4029 ppm
Concentration RSD	0.2 %	0.2 %	0.5 %	0.1 %	0.2 %	0.1 %	3.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1165 ppm	2.4678 ppm	0.9577 ppm	0.9820 ppm	0.9979 ppm	0.1149 ppm	0.5421 ppm
Concentration per Run 1	0.1176 ppm	2.4629 ppm	0.9539 ppm	0.9850 ppm	0.9984 ppm	0.1137 ppm	0.5418 ppm
Concentration per Run 2	0.1156 ppm	2.4759 ppm	0.9609 ppm	0.9814 ppm	0.9980 ppm	0.1162 ppm	0.5433 ppm
Concentration per Run 3	0.1164 ppm	2.4645 ppm	0.9583 ppm	0.9795 ppm	0.9972 ppm	0.1147 ppm	0.5412 ppm
Concentration RSD	0.9 %	0.3 %	0.4 %	0.3 %	0.1 %	1.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5335 ppm	102.0607 %	96.0935 %	96.3905 %	100.8321 %	96.2539 %	96.2559 %
Concentration per Run 1	0.5328 ppm	102.3488 %	96.1767 %	96.4302 %	101.2155 %	96.4707 %	96.2758 %
Concentration per Run 2	0.5349 ppm	102.1104 %	96.1650 %	96.3184 %	100.7688 %	96.0051 %	96.2533 %
Concentration per Run 3	0.5329 ppm	101.7230 %	95.9387 %	96.4229 %	100.5120 %	96.2858 %	96.2386 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.0 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-10d5 WG2079886
Analysis started at: 6/30/2025 12:13:15 PM
Comments <Comment>
Rack: 1
Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0024 ppm	0.0004 ppm	0.0033 ppm	0.0000 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	0.0014 ppm	0.0034 ppm	0.0001 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run 2	-0.0001 ppm	-0.0054 ppm	0.0000 ppm	0.0032 ppm	0.0000 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run 3	-0.0001 ppm	-0.0010 ppm	-0.0002 ppm	0.0032 ppm	-0.0001 ppm	0.0001 ppm	0.0133 ppm
Concentration RSD	5,352.9 %	106.0 %	237.6 %	3.8 %	1,752.7 %	52.0 %	23.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0081 ppm	0.0090 ppm	0.0221 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0079 ppm	0.0091 ppm	0.0206 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0082 ppm	0.0089 ppm	0.0236 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0080 ppm	0.0089 ppm	0.0221 ppm	-0.0002 ppm
Concentration RSD	23.1 %	5,541.2 %	101.4 %	2.0 %	1.3 %	6.8 %	656.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	0.0010 ppm	0.0066 ppm	9.0549 ppm	0.0002 ppm	0.0004 ppm	0.0284 ppm
Concentration per Run 1	0.0033 ppm	0.0008 ppm	0.0076 ppm	9.0399 ppm	0.0001 ppm	0.0002 ppm	0.0330 ppm
Concentration per Run 2	0.0038 ppm	0.0009 ppm	0.0063 ppm	9.0788 ppm	0.0001 ppm	0.0014 ppm	0.0279 ppm
Concentration per Run 3	0.0041 ppm	0.0011 ppm	0.0059 ppm	9.0461 ppm	0.0003 ppm	-0.0004 ppm	0.0243 ppm
Concentration RSD	10.9 %	18.3 %	13.0 %	0.2 %	84.5 %	218.9 %	15.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.3272 ppm	0.0066 ppm	0.0001 ppm	0.0007 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 1	-0.0004 ppm	0.3271 ppm	0.0070 ppm	0.0000 ppm	0.0006 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0037 ppm	0.3270 ppm	0.0066 ppm	0.0001 ppm	0.0005 ppm	-0.0018 ppm	0.0000 ppm
Concentration per Run 3	0.0008 ppm	0.3274 ppm	0.0061 ppm	0.0001 ppm	0.0008 ppm	-0.0016 ppm	0.0001 ppm
Concentration RSD	153.4 %	0.1 %	6.7 %	45.4 %	20.4 %	44.5 %	73.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	102.3846 %	98.2614 %	98.1617 %	99.7058 %	98.9097 %	97.9129 %
Concentration per Run 1	0.0004 ppm	103.1622 %	98.1341 %	98.2025 %	100.5306 %	98.9976 %	97.9796 %
Concentration per Run 2	0.0003 ppm	101.5441 %	98.2347 %	98.1087 %	98.7614 %	98.9281 %	97.8503 %
Concentration per Run 3	0.0003 ppm	102.4476 %	98.4152 %	98.1738 %	99.8253 %	98.8033 %	97.9087 %
Concentration RSD	9.7 %	0.8 %	0.1 %	0.0 %	0.9 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2534177-01 WG2079886
Analysis started at: 6/30/2025 12:19:38 PM
Comments <Comment>
Rack: 1
Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.2067 ppm	0.0228 ppm	7.0724 [SIC 20]	0.4205 ppm	0.0000 ppm	334.5753 ppm
Concentration per Run 1	0.0006 ppm	0.2057 ppm	0.0229 ppm	7.0444 ppm	0.4223 ppm	0.0000 ppm	336.6646 ppm
Concentration per Run 2	0.0003 ppm	0.2069 ppm	0.0252 ppm	7.0773 ppm	0.4201 ppm	0.0000 ppm	333.6848 ppm
Concentration per Run 3	0.0000 ppm	0.2075 ppm	0.0203 ppm	7.0956 ppm	0.4192 ppm	0.0000 ppm	333.3766 ppm
Concentration RSD	87.4 %	0.4 %	10.7 %	0.4 %	0.4 %	91.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0012 ppm	0.0200 ppm	0.0564 ppm	0.0907 ppm	2.6332 ppm	599.2507 ppm	0.3250 ppm
Concentration per Run 1	-0.0012 ppm	0.0198 ppm	0.0566 ppm	0.0906 ppm	2.6383 ppm	612.6045 ppm	0.3256 ppm
Concentration per Run 2	-0.0011 ppm	0.0200 ppm	0.0567 ppm	0.0905 ppm	2.6270 ppm	599.1136 ppm	0.3243 ppm
Concentration per Run 3	-0.0012 ppm	0.0201 ppm	0.0559 ppm	0.0910 ppm	2.6344 ppm	586.0340 ppm	0.3250 ppm
Concentration RSD	3.3 %	0.7 %	0.8 %	0.3 %	0.2 %	2.2 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	159.2452 ppm	1.1815 ppm	0.0063 ppm	991.3618 [SIC 500]	0.1005 ppm	0.0027 ppm	0.0180 ppm
Concentration per Run 1	158.9131 ppm	1.1869 ppm	0.0064 ppm	1,071.2637 ppm	0.1004 ppm	0.0027 ppm	0.0184 ppm
Concentration per Run 2	158.7958 ppm	1.1798 ppm	0.0062 ppm	971.9661 ppm	0.1002 ppm	0.0025 ppm	0.0167 ppm
Concentration per Run 3	160.0268 ppm	1.1779 ppm	0.0062 ppm	930.8555 ppm	0.1008 ppm	0.0028 ppm	0.0190 ppm
Concentration RSD	0.4 %	0.4 %	1.5 %	7.3 %	0.3 %	4.4 %	6.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0025 ppm	15.7838 ppm	0.0043 ppm	3.0153 ppm	0.0111 ppm	-0.0070 ppm	0.0089 ppm
Concentration per Run 1	-0.0066 ppm	15.7230 ppm	0.0038 ppm	3.0219 ppm	0.0112 ppm	-0.0081 ppm	0.0090 ppm
Concentration per Run 2	-0.0004 ppm	15.7914 ppm	0.0045 ppm	3.0461 ppm	0.0111 ppm	-0.0033 ppm	0.0089 ppm
Concentration per Run 3	-0.0005 ppm	15.8370 ppm	0.0047 ppm	2.9779 ppm	0.0110 ppm	-0.0097 ppm	0.0089 ppm
Concentration RSD	139.2 %	0.4 %	10.5 %	1.1 %	0.8 %	47.4 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2106 ppm	96.2350 %	77.9852 %	78.7386 %	93.1432 %	69.6412 %	77.8142 %
Concentration per Run 1	0.2104 ppm	96.3416 %	77.9612 %	78.9850 %	92.9888 %	69.9824 %	77.7631 %
Concentration per Run 2	0.2101 ppm	95.9486 %	78.0038 %	78.6834 %	93.0956 %	69.5295 %	77.8023 %
Concentration per Run 3	0.2112 ppm	96.4150 %	77.9907 %	78.5472 %	93.3453 %	69.4118 %	77.8773 %
Concentration RSD	0.3 %	0.3 %	0.0 %	0.3 %	0.2 %	0.4 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2535813-01 WG2079886
Analysis started at: 6/30/2025 12:26:33 PM
Comments <Comment>
Rack: 1
Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0188 ppm	0.0007 ppm	0.0147 ppm	0.0001 ppm	0.0000 ppm	0.0340 ppm
Concentration per Run 1	-0.0002 ppm	0.0194 ppm	-0.0001 ppm	0.0153 ppm	0.0001 ppm	0.0000 ppm	0.0317 ppm
Concentration per Run 2	0.0001 ppm	0.0202 ppm	0.0006 ppm	0.0147 ppm	0.0001 ppm	0.0000 ppm	0.0348 ppm
Concentration per Run 3	-0.0002 ppm	0.0168 ppm	0.0016 ppm	0.0141 ppm	0.0001 ppm	0.0000 ppm	0.0355 ppm
Concentration RSD	191.6 %	9.4 %	127.2 %	4.2 %	8.8 %	12.7 %	6.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0320 ppm	0.0415 ppm	0.3951 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0323 ppm	0.0412 ppm	0.3992 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0319 ppm	0.0414 ppm	0.3749 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0319 ppm	0.0419 ppm	0.4111 ppm	0.0006 ppm
Concentration RSD	1,084.9 %	215.5 %	92.7 %	0.7 %	0.8 %	4.7 %	872.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0137 ppm	0.0047 ppm	0.0011 ppm	43.5047 ppm	0.0002 ppm	0.0003 ppm	0.0025 ppm
Concentration per Run 1	0.0124 ppm	0.0048 ppm	0.0010 ppm	43.4054 ppm	0.0001 ppm	-0.0003 ppm	0.0020 ppm
Concentration per Run 2	0.0161 ppm	0.0048 ppm	0.0013 ppm	43.4288 ppm	0.0003 ppm	0.0008 ppm	0.0028 ppm
Concentration per Run 3	0.0127 ppm	0.0045 ppm	0.0011 ppm	43.6800 ppm	0.0001 ppm	0.0003 ppm	0.0028 ppm
Concentration RSD	15.1 %	2.9 %	14.7 %	0.3 %	59.6 %	199.5 %	18.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	1.7009 ppm	0.0005 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	1.7045 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	1.6984 ppm	0.0009 ppm	0.0002 ppm	0.0008 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	1.6997 ppm	0.0005 ppm	0.0002 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration RSD	250.4 %	0.2 %	90.0 %	31.2 %	59.9 %	450.3 %	18.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	104.4030 %	96.6273 %	96.6370 %	101.3578 %	97.4095 %	96.6940 %
Concentration per Run 1	0.0025 ppm	104.7652 %	96.6457 %	96.6990 %	101.8048 %	97.3577 %	96.6378 %
Concentration per Run 2	0.0025 ppm	105.0733 %	96.6481 %	96.7034 %	101.4790 %	97.6013 %	96.8365 %
Concentration per Run 3	0.0026 ppm	103.3704 %	96.5882 %	96.5086 %	100.7897 %	97.2696 %	96.6078 %
Concentration RSD	2.2 %	0.9 %	0.0 %	0.1 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2535878-01 WG2079886
Analysis started at: 6/30/2025 12:32:55 PM
Comments <Comment>
Rack: 1
Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0064 ppm	-0.0006 ppm	0.0700 ppm	0.1302 ppm	0.0000 ppm	73.1042 ppm
Concentration per Run 1	-0.0002 ppm	0.0047 ppm	-0.0019 ppm	0.0702 ppm	0.1299 ppm	0.0000 ppm	72.7893 ppm
Concentration per Run 2	-0.0004 ppm	0.0093 ppm	-0.0004 ppm	0.0701 ppm	0.1306 ppm	0.0000 ppm	73.3564 ppm
Concentration per Run 3	-0.0002 ppm	0.0053 ppm	0.0005 ppm	0.0697 ppm	0.1303 ppm	0.0000 ppm	73.1667 ppm
Concentration RSD	39.3 %	39.4 %	194.6 %	0.4 %	0.3 %	159.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0003 ppm	0.0008 ppm	0.0042 ppm	1.4297 ppm	6.6151 ppm	0.0064 ppm
Concentration per Run 1	-0.0004 ppm	0.0002 ppm	0.0006 ppm	0.0044 ppm	1.4238 ppm	6.5987 ppm	0.0074 ppm
Concentration per Run 2	-0.0004 ppm	0.0003 ppm	0.0013 ppm	0.0039 ppm	1.4315 ppm	6.6592 ppm	0.0062 ppm
Concentration per Run 3	-0.0004 ppm	0.0003 ppm	0.0007 ppm	0.0043 ppm	1.4339 ppm	6.5873 ppm	0.0054 ppm
Concentration RSD	11.5 %	11.2 %	46.8 %	5.3 %	0.4 %	0.6 %	15.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	23.9251 ppm	0.6455 ppm	0.0012 ppm	94.9223 ppm	0.0004 ppm	0.0012 ppm	0.0012 ppm
Concentration per Run 1	23.8869 ppm	0.6424 ppm	0.0014 ppm	94.7706 ppm	0.0003 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run 2	23.9439 ppm	0.6478 ppm	0.0009 ppm	95.2018 ppm	0.0002 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run 3	23.9443 ppm	0.6462 ppm	0.0011 ppm	94.7946 ppm	0.0006 ppm	0.0007 ppm	0.0014 ppm
Concentration RSD	0.1 %	0.4 %	22.1 %	0.3 %	45.6 %	33.2 %	37.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0011 ppm	11.6791 ppm	0.0005 ppm	0.2059 ppm	0.0003 ppm	-0.0018 ppm	0.0009 ppm
Concentration per Run 1	0.0010 ppm	11.6627 ppm	0.0006 ppm	0.2052 ppm	0.0003 ppm	-0.0023 ppm	0.0011 ppm
Concentration per Run 2	-0.0003 ppm	11.6902 ppm	0.0000 ppm	0.2064 ppm	0.0003 ppm	-0.0014 ppm	0.0008 ppm
Concentration per Run 3	-0.0040 ppm	11.6845 ppm	0.0009 ppm	0.2060 ppm	0.0002 ppm	-0.0018 ppm	0.0007 ppm
Concentration RSD	232.6 %	0.1 %	95.0 %	0.3 %	30.6 %	25.0 %	22.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1027 ppm	101.7845 %	92.8823 %	92.5041 %	99.8195 %	90.2102 %	93.2858 %
Concentration per Run 1	0.1027 ppm	102.1161 %	92.8851 %	92.4512 %	100.2782 %	90.3675 %	93.3090 %
Concentration per Run 2	0.1026 ppm	101.5611 %	92.9676 %	92.5862 %	99.4635 %	90.0934 %	93.2692 %
Concentration per Run 3	0.1027 ppm	101.6762 %	92.7940 %	92.4749 %	99.7168 %	90.1698 %	93.2793 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 12:39:13 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5337 ppm	0.4703 ppm	0.4853 ppm	0.5011 ppm	0.4915 ppm	0.4948 ppm	0.4932 ppm
Concentration per Run 1	0.5338 ppm	0.4678 ppm	0.4863 ppm	0.5017 ppm	0.4897 ppm	0.4923 ppm	0.4896 ppm
Concentration per Run 2	0.5345 ppm	0.4705 ppm	0.4855 ppm	0.5002 ppm	0.4904 ppm	0.4951 ppm	0.4920 ppm
Concentration per Run 3	0.5328 ppm	0.4726 ppm	0.4840 ppm	0.5015 ppm	0.4946 ppm	0.4969 ppm	0.4981 ppm
Recovery Percentage 1	106.740 %	94.058 %	97.050 %	100.227 %	98.308 %	98.952 %	98.643 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.2 %	0.5 %	0.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5013 ppm	0.5098 ppm	0.5124 ppm	0.5115 ppm	0.5032 ppm	5.3841 ppm	0.5011 ppm
Concentration per Run 1	0.5009 ppm	0.5089 ppm	0.5124 ppm	0.5106 ppm	0.5016 ppm	5.3768 ppm	0.4996 ppm
Concentration per Run 2	0.5010 ppm	0.5097 ppm	0.5112 ppm	0.5119 ppm	0.5031 ppm	5.3742 ppm	0.5018 ppm
Concentration per Run 3	0.5021 ppm	0.5109 ppm	0.5135 ppm	0.5121 ppm	0.5049 ppm	5.4013 ppm	0.5019 ppm
Recovery Percentage 1	100.268 %	101.966 %	102.472 %	102.305 %	100.638 %	107.682 %	100.221 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.2 %	0.3 %	0.3 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5228 ppm	0.5073 ppm	0.4927 ppm	9.9863 ppm	0.5111 ppm	0.5103 ppm	0.5191 ppm
Concentration per Run 1	0.5249 ppm	0.5052 ppm	0.4920 ppm	9.9736 ppm	0.5100 ppm	0.5095 ppm	0.5171 ppm
Concentration per Run 2	0.5202 ppm	0.5067 ppm	0.4925 ppm	9.9936 ppm	0.5113 ppm	0.5103 ppm	0.5208 ppm
Concentration per Run 3	0.5233 ppm	0.5099 ppm	0.4936 ppm	9.9919 ppm	0.5121 ppm	0.5111 ppm	0.5193 ppm
Recovery Percentage 1	104.558 %	101.461 %	98.541 %	99.863 %	102.224 %	102.061 %	103.813 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.1 %	0.2 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4911 ppm	5.5095 ppm	0.5060 ppm	0.5071 ppm	0.5097 ppm	0.5157 ppm	0.5101 ppm
Concentration per Run 1	0.4920 ppm	5.5017 ppm	0.5050 ppm	0.5052 ppm	0.5094 ppm	0.5133 ppm	0.5095 ppm
Concentration per Run 2	0.4910 ppm	5.5109 ppm	0.5061 ppm	0.5067 ppm	0.5096 ppm	0.5165 ppm	0.5100 ppm
Concentration per Run 3	0.4904 ppm	5.5159 ppm	0.5068 ppm	0.5095 ppm	0.5102 ppm	0.5173 ppm	0.5108 ppm
Recovery Percentage 1	98.224 %	104.943 %	101.193 %	101.429 %	101.948 %	103.138 %	102.021 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5068 ppm	102.6119 %	97.4165 %	97.1993 %	100.7118 %	97.8444 %	97.6259 %
Concentration per Run 1	0.5064 ppm	103.1012 %	97.2709 %	96.9214 %	100.7873 %	97.8652 %	97.2965 %
Concentration per Run 2	0.5067 ppm	102.3795 %	97.5478 %	97.2432 %	100.5401 %	97.9638 %	97.7608 %
Concentration per Run 3	0.5075 ppm	102.3550 %	97.4307 %	97.4335 %	100.8080 %	97.7043 %	97.8203 %
Recovery Percentage 1	101.368 %						
Concentration RSD	0.1 %	0.4 %	0.1 %	0.3 %	0.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 12:45:20 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	-0.0031 ppm	0.0000 ppm	0.0050 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	-0.0003 ppm	-0.0028 ppm	0.0000 ppm	0.0049 ppm	0.0000 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run 2	-0.0004 ppm	-0.0008 ppm	0.0006 ppm	0.0053 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	-0.0002 ppm	-0.0058 ppm	-0.0006 ppm	0.0048 ppm	-0.0001 ppm	0.0000 ppm	0.0029 ppm
Recovery Percentage 1	-4.032 %	-3.144 %	-0.371 %	16.698 %	-0.290 %	0.315 %	2.824 %
Concentration RSD	36.6 %	80.5 %	3,315.8 %	5.8 %	175.6 %	167.6 %	55.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0591 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0604 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0540 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0630 ppm	-0.0002 ppm
Recovery Percentage 1	0.498 %	0.130 %	0.828 %	2.203 %	1.010 %	2.365 %	-1.495 %
Concentration RSD	93.1 %	469.7 %	209.8 %	53.5 %	155.5 %	7.9 %	358.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0828 ppm	0.0002 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0900 ppm	0.0003 ppm	-0.0001 ppm	0.0015 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0014 ppm	0.0811 ppm	0.0002 ppm	0.0005 ppm	0.0012 ppm
Concentration per Run 3	-0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0772 ppm	0.0001 ppm	0.0004 ppm	0.0019 ppm
Recovery Percentage 1	0.121 %	-1.059 %	3.057 %	4.138 %	0.954 %	2.569 %	3.044 %
Concentration RSD	485.0 %	91.5 %	11.3 %	7.9 %	44.8 %	123.4 %	24.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	0.0007 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 1	0.0019 ppm	0.0004 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	-0.0028 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0013 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	0.0005 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	-0.0008 ppm	0.0003 ppm
Recovery Percentage 1	8.944 %	0.142 %	1.541 %	0.615 %	1.890 %	-6.324 %	2.122 %
Concentration RSD	100.3 %	68.1 %	47.5 %	69.4 %	85.9 %	108.9 %	62.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	102.7950 %	98.6151 %	98.0520 %	99.6166 %	99.3856 %	97.7898 %
Concentration per Run 1	0.0000 ppm	102.6664 %	98.6484 %	98.1114 %	99.8722 %	99.2889 %	97.7884 %
Concentration per Run 2	0.0001 ppm	102.3240 %	98.4589 %	97.9689 %	98.8650 %	99.6370 %	97.7562 %
Concentration per Run 3	0.0000 ppm	103.3947 %	98.7381 %	98.0757 %	100.1125 %	99.2309 %	97.8249 %
Recovery Percentage 1	0.407 %						
Concentration RSD	300.3 %	0.5 %	0.1 %	0.1 %	0.7 %	0.2 %	0.0 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2535965-01 WG2079886
Analysis started at: 6/30/2025 1:07:32 PM
Comments <Comment>
Rack: 1
Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.3336 ppm	-0.0001 ppm	0.0063 ppm	0.0098 ppm	0.0000 ppm	1.8279 ppm
Concentration per Run 1	0.0005 ppm	0.3372 ppm	0.0000 ppm	0.0064 ppm	0.0098 ppm	0.0000 ppm	1.8172 ppm
Concentration per Run 2	-0.0001 ppm	0.3316 ppm	-0.0003 ppm	0.0062 ppm	0.0097 ppm	0.0000 ppm	1.8334 ppm
Concentration per Run 3	-0.0003 ppm	0.3321 ppm	0.0001 ppm	0.0063 ppm	0.0099 ppm	0.0000 ppm	1.8333 ppm
Concentration RSD	4,417.7 %	0.9 %	441.5 %	2.1 %	0.9 %	39.0 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0015 ppm	0.4210 ppm	0.5603 ppm	0.0023 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0017 ppm	0.4190 ppm	0.5588 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0016 ppm	0.4227 ppm	0.5481 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0014 ppm	0.4213 ppm	0.5741 ppm	0.0028 ppm
Concentration RSD	280.2 %	89.0 %	44.0 %	11.0 %	0.4 %	2.3 %	23.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7646 ppm	0.2492 ppm	0.0002 ppm	7.1002 ppm	0.0007 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 1	0.7625 ppm	0.2476 ppm	0.0004 ppm	7.0472 ppm	0.0006 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 2	0.7682 ppm	0.2496 ppm	0.0002 ppm	7.1135 ppm	0.0008 ppm	0.0006 ppm	0.0013 ppm
Concentration per Run 3	0.7630 ppm	0.2505 ppm	0.0001 ppm	7.1399 ppm	0.0007 ppm	0.0009 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.6 %	62.8 %	0.7 %	11.0 %	272.2 %	63.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	3.3600 ppm	-0.0005 ppm	0.0140 ppm	0.0012 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 1	0.0032 ppm	3.3687 ppm	-0.0002 ppm	0.0139 ppm	0.0012 ppm	-0.0022 ppm	0.0006 ppm
Concentration per Run 2	0.0017 ppm	3.3550 ppm	-0.0009 ppm	0.0140 ppm	0.0012 ppm	-0.0020 ppm	0.0004 ppm
Concentration per Run 3	0.0021 ppm	3.3562 ppm	-0.0003 ppm	0.0142 ppm	0.0013 ppm	-0.0019 ppm	0.0006 ppm
Concentration RSD	32.6 %	0.2 %	69.5 %	1.0 %	7.7 %	6.6 %	19.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0689 ppm	105.6850 %	99.1395 %	98.5474 %	101.7784 %	100.5108 %	98.6652 %
Concentration per Run 1	0.0689 ppm	106.2349 %	99.3646 %	98.5070 %	102.2952 %	100.4645 %	98.8784 %
Concentration per Run 2	0.0687 ppm	105.5289 %	99.0507 %	98.7008 %	101.7868 %	100.5368 %	98.5429 %
Concentration per Run 3	0.0690 ppm	105.2912 %	99.0031 %	98.4346 %	101.2533 %	100.5312 %	98.5744 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.1 %	0.5 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2535966-01 WG2079886
Analysis started at: 6/30/2025 1:13:52 PM
Comments <Comment>
Rack: 1
Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	4.2356 ppm	0.0021 ppm	0.0566 ppm	0.3123 ppm	0.0000 ppm	32.0404 ppm
Concentration per Run 1	-0.0002 ppm	4.2049 ppm	0.0020 ppm	0.0568 ppm	0.3109 ppm	0.0000 ppm	31.8793 ppm
Concentration per Run 2	-0.0004 ppm	4.2416 ppm	0.0023 ppm	0.0562 ppm	0.3127 ppm	0.0001 ppm	32.1077 ppm
Concentration per Run 3	-0.0003 ppm	4.2604 ppm	0.0021 ppm	0.0567 ppm	0.3134 ppm	0.0000 ppm	32.1343 ppm
Concentration RSD	42.3 %	0.7 %	7.6 %	0.6 %	0.4 %	59.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0048 ppm	0.2246 ppm	0.0696 ppm	28.0187 ppm	3.3426 ppm	0.0047 ppm
Concentration per Run 1	-0.0005 ppm	0.0049 ppm	0.2251 ppm	0.0694 ppm	27.8780 ppm	3.3149 ppm	0.0046 ppm
Concentration per Run 2	-0.0005 ppm	0.0046 ppm	0.2245 ppm	0.0696 ppm	28.1133 ppm	3.3260 ppm	0.0049 ppm
Concentration per Run 3	-0.0005 ppm	0.0048 ppm	0.2241 ppm	0.0699 ppm	28.0648 ppm	3.3868 ppm	0.0046 ppm
Concentration RSD	3.4 %	2.8 %	0.2 %	0.4 %	0.4 %	1.2 %	3.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.9622 ppm	1.8143 ppm	0.3074 ppm	360.6040 ppm	0.1848 ppm	0.0066 ppm	0.0001 ppm
Concentration per Run 1	5.9979 ppm	1.8082 ppm	0.3068 ppm	364.9665 ppm	0.1851 ppm	0.0070 ppm	0.0000 ppm
Concentration per Run 2	5.9348 ppm	1.8166 ppm	0.3074 ppm	359.7001 ppm	0.1846 ppm	0.0060 ppm	0.0006 ppm
Concentration per Run 3	5.9540 ppm	1.8182 ppm	0.3080 ppm	357.1453 ppm	0.1847 ppm	0.0068 ppm	-0.0002 ppm
Concentration RSD	0.5 %	0.3 %	0.2 %	1.1 %	0.1 %	8.1 %	291.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0011 ppm	9.4568 ppm	0.0009 ppm	0.1560 ppm	0.0763 ppm	-0.0042 ppm	0.0066 ppm
Concentration per Run 1	0.0010 ppm	9.4932 ppm	0.0015 ppm	0.1553 ppm	0.0766 ppm	-0.0020 ppm	0.0068 ppm
Concentration per Run 2	-0.0028 ppm	9.4298 ppm	0.0003 ppm	0.1560 ppm	0.0760 ppm	-0.0058 ppm	0.0065 ppm
Concentration per Run 3	-0.0016 ppm	9.4474 ppm	0.0008 ppm	0.1566 ppm	0.0761 ppm	-0.0049 ppm	0.0067 ppm
Concentration RSD	172.1 %	0.3 %	66.1 %	0.4 %	0.5 %	47.6 %	2.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5192 ppm	102.3179 %	90.1175 %	89.8765 %	100.5771 %	85.2706 %	90.5324 %
Concentration per Run 1	0.5193 ppm	102.1738 %	89.9470 %	89.8139 %	100.7898 %	85.0314 %	90.2575 %
Concentration per Run 2	0.5189 ppm	102.2095 %	90.3520 %	90.0610 %	100.2774 %	85.4919 %	90.8921 %
Concentration per Run 3	0.5193 ppm	102.5706 %	90.0534 %	89.7547 %	100.6641 %	85.2886 %	90.4475 %
Concentration RSD	0.0 %	0.2 %	0.2 %	0.2 %	0.3 %	0.3 %	0.4 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2535966-02 WG2079886
Analysis started at: 6/30/2025 1:20:14 PM
Comments <Comment>
Rack: 1
Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	3.1682 ppm	0.0027 ppm	0.0726 ppm	0.1465 ppm	0.0000 ppm	27.3188 ppm
Concentration per Run 1	-0.0005 ppm	3.1361 ppm	0.0042 ppm	0.0725 ppm	0.1451 ppm	0.0000 ppm	27.0520 ppm
Concentration per Run 2	-0.0004 ppm	3.1742 ppm	0.0019 ppm	0.0722 ppm	0.1471 ppm	0.0000 ppm	27.3916 ppm
Concentration per Run 3	-0.0008 ppm	3.1944 ppm	0.0020 ppm	0.0731 ppm	0.1474 ppm	0.0000 ppm	27.5127 ppm
Concentration RSD	37.5 %	0.9 %	48.2 %	0.6 %	0.9 %	61.6 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0033 ppm	0.1013 ppm	0.0330 ppm	22.4709 ppm	40.3952 ppm	0.0060 ppm
Concentration per Run 1	-0.0004 ppm	0.0033 ppm	0.1013 ppm	0.0330 ppm	22.2436 ppm	40.2018 ppm	0.0059 ppm
Concentration per Run 2	-0.0004 ppm	0.0034 ppm	0.1013 ppm	0.0330 ppm	22.4968 ppm	40.5801 ppm	0.0056 ppm
Concentration per Run 3	-0.0004 ppm	0.0034 ppm	0.1014 ppm	0.0330 ppm	22.6722 ppm	40.4039 ppm	0.0066 ppm
Concentration RSD	1.4 %	2.3 %	0.0 %	0.0 %	1.0 %	0.5 %	9.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.8289 ppm	1.1735 ppm	0.2799 ppm	319.9329 ppm	0.0702 ppm	0.0045 ppm	0.0000 ppm
Concentration per Run 1	5.8006 ppm	1.1615 ppm	0.2794 ppm	318.4389 ppm	0.0702 ppm	0.0041 ppm	-0.0003 ppm
Concentration per Run 2	5.8236 ppm	1.1759 ppm	0.2802 ppm	319.2044 ppm	0.0706 ppm	0.0042 ppm	0.0002 ppm
Concentration per Run 3	5.8623 ppm	1.1830 ppm	0.2802 ppm	322.1553 ppm	0.0699 ppm	0.0051 ppm	0.0002 ppm
Concentration RSD	0.5 %	0.9 %	0.2 %	0.6 %	0.5 %	12.4 %	2,423.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	9.1886 ppm	0.0007 ppm	0.1044 ppm	0.0478 ppm	-0.0030 ppm	0.0044 ppm
Concentration per Run 1	0.0000 ppm	9.2000 ppm	0.0009 ppm	0.1037 ppm	0.0478 ppm	-0.0033 ppm	0.0045 ppm
Concentration per Run 2	-0.0017 ppm	9.1786 ppm	0.0006 ppm	0.1046 ppm	0.0476 ppm	-0.0021 ppm	0.0044 ppm
Concentration per Run 3	0.0018 ppm	9.1871 ppm	0.0005 ppm	0.1049 ppm	0.0479 ppm	-0.0036 ppm	0.0044 ppm
Concentration RSD	3,347.0 %	0.1 %	29.4 %	0.6 %	0.3 %	26.7 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3570 ppm	102.2530 %	89.9068 %	90.2071 %	100.3705 %	85.5038 %	90.1858 %
Concentration per Run 1	0.3563 ppm	103.4399 %	89.9303 %	90.2065 %	101.9387 %	85.5124 %	90.2390 %
Concentration per Run 2	0.3573 ppm	101.9534 %	90.0100 %	90.2382 %	100.3673 %	85.5290 %	90.2684 %
Concentration per Run 3	0.3575 ppm	101.3656 %	89.7802 %	90.1767 %	98.8056 %	85.4700 %	90.0499 %
Concentration RSD	0.2 %	1.0 %	0.1 %	0.0 %	1.6 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 1:26:36 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5453 ppm	0.4905 ppm	0.4859 ppm	0.5052 ppm	0.5119 ppm	0.5105 ppm	0.5117 ppm
Concentration per Run 1	0.5469 ppm	0.4885 ppm	0.4888 ppm	0.5054 ppm	0.5168 ppm	0.5158 ppm	0.5146 ppm
Concentration per Run 2	0.5435 ppm	0.4902 ppm	0.4841 ppm	0.5060 ppm	0.5116 ppm	0.5101 ppm	0.5155 ppm
Concentration per Run 3	0.5455 ppm	0.4928 ppm	0.4847 ppm	0.5043 ppm	0.5072 ppm	0.5055 ppm	0.5049 ppm
Recovery Percentage 1	109.059 %	98.101 %	97.171 %	101.045 %	102.375 %	102.095 %	102.338 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.2 %	0.9 %	1.0 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4960 ppm	0.5106 ppm	0.5128 ppm	0.5224 ppm	0.5324 ppm	5.2994 ppm	0.5288 ppm
Concentration per Run 1	0.4958 ppm	0.5112 ppm	0.5123 ppm	0.5245 ppm	0.5392 ppm	5.3507 ppm	0.5351 ppm
Concentration per Run 2	0.4955 ppm	0.5099 ppm	0.5130 ppm	0.5211 ppm	0.5328 ppm	5.3194 ppm	0.5267 ppm
Concentration per Run 3	0.4968 ppm	0.5108 ppm	0.5131 ppm	0.5217 ppm	0.5250 ppm	5.2280 ppm	0.5246 ppm
Recovery Percentage 1	99.210 %	102.128 %	102.562 %	104.481 %	106.472 %	105.987 %	105.759 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.3 %	1.3 %	1.2 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5222 ppm	0.5228 ppm	0.4938 ppm	10.3630 ppm	0.5087 ppm	0.5085 ppm	0.5238 ppm
Concentration per Run 1	0.5215 ppm	0.5275 ppm	0.4932 ppm	10.4838 ppm	0.5093 ppm	0.5081 ppm	0.5262 ppm
Concentration per Run 2	0.5212 ppm	0.5240 ppm	0.4944 ppm	10.3435 ppm	0.5083 ppm	0.5079 ppm	0.5237 ppm
Concentration per Run 3	0.5238 ppm	0.5170 ppm	0.4939 ppm	10.2617 ppm	0.5084 ppm	0.5093 ppm	0.5216 ppm
Recovery Percentage 1	104.440 %	104.564 %	98.768 %	103.630 %	101.732 %	101.690 %	104.766 %
Concentration RSD	0.3 %	1.0 %	0.1 %	1.1 %	0.1 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4930 ppm	5.5260 ppm	0.4995 ppm	0.5355 ppm	0.5107 ppm	0.5154 ppm	0.5104 ppm
Concentration per Run 1	0.4947 ppm	5.5251 ppm	0.4991 ppm	0.5410 ppm	0.5114 ppm	0.5147 ppm	0.5107 ppm
Concentration per Run 2	0.4939 ppm	5.5340 ppm	0.5003 ppm	0.5353 ppm	0.5103 ppm	0.5161 ppm	0.5100 ppm
Concentration per Run 3	0.4905 ppm	5.5190 ppm	0.4992 ppm	0.5300 ppm	0.5104 ppm	0.5153 ppm	0.5107 ppm
Recovery Percentage 1	98.605 %	105.258 %	99.899 %	107.091 %	102.136 %	103.077 %	102.090 %
Concentration RSD	0.5 %	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4993 ppm	101.7059 %	97.0991 %	95.8681 %	98.5118 %	97.3462 %	97.1086 %
Concentration per Run 1	0.5002 ppm	100.8171 %	97.0681 %	95.7995 %	97.5389 %	97.3139 %	97.0652 %
Concentration per Run 2	0.4979 ppm	101.0386 %	97.0863 %	95.8358 %	98.1838 %	97.2943 %	97.1069 %
Concentration per Run 3	0.5000 ppm	103.2619 %	97.1429 %	95.9690 %	99.8128 %	97.4304 %	97.1535 %
Recovery Percentage 1	99.869 %						
Concentration RSD	0.2 %	1.3 %	0.0 %	0.1 %	1.2 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 1:32:43 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0055 ppm	0.0004 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	0.0002 ppm	-0.0044 ppm	0.0005 ppm	0.0029 ppm	-0.0001 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run 2	0.0004 ppm	-0.0048 ppm	-0.0012 ppm	0.0029 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 3	-0.0004 ppm	-0.0074 ppm	0.0020 ppm	0.0026 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	1.063 %	-5.524 %	8.986 %	9.418 %	-0.282 %	0.839 %	1.975 %
Concentration RSD	528.5 %	29.1 %	351.6 %	6.5 %	390.5 %	44.4 %	123.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0016 ppm	0.0669 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0016 ppm	0.0532 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0020 ppm	0.0702 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0010 ppm	0.0772 ppm	0.0003 ppm
Recovery Percentage 1	-0.012 %	0.310 %	-0.019 %	4.138 %	3.123 %	2.674 %	-1.486 %
Concentration RSD	6,487.9 %	41.1 %	7,923.2 %	20.4 %	32.9 %	18.4 %	527.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0005 ppm	0.0000 ppm	0.0019 ppm	0.1025 ppm	0.0003 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 1	-0.0007 ppm	0.0000 ppm	0.0021 ppm	0.1056 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 2	0.0010 ppm	0.0000 ppm	0.0020 ppm	0.1022 ppm	0.0002 ppm	0.0005 ppm	0.0015 ppm
Concentration per Run 3	0.0012 ppm	-0.0001 ppm	0.0016 ppm	0.0998 ppm	0.0003 ppm	-0.0003 ppm	0.0010 ppm
Recovery Percentage 1	0.500 %	-0.086 %	3.783 %	5.127 %	1.105 %	1.311 %	1.967 %
Concentration RSD	207.0 %	578.9 %	14.7 %	2.8 %	38.9 %	309.8 %	51.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	-0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0021 ppm	0.0002 ppm
Concentration per Run 1	0.0036 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 2	0.0024 ppm	-0.0015 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0017 ppm	0.0002 ppm
Concentration per Run 3	0.0021 ppm	-0.0015 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm	-0.0031 ppm	0.0003 ppm
Recovery Percentage 1	26.927 %	-0.233 %	0.266 %	0.075 %	2.627 %	-10.260 %	2.446 %
Concentration RSD	29.9 %	43.6 %	215.7 %	1,351.6 %	10.4 %	44.7 %	11.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.5704 %	98.7179 %	97.8229 %	97.1300 %	99.2817 %	97.5972 %
Concentration per Run 1	-0.0001 ppm	98.3534 %	98.7512 %	97.7492 %	95.1613 %	99.2406 %	97.4541 %
Concentration per Run 2	0.0001 ppm	101.2995 %	98.6295 %	97.7856 %	97.8421 %	99.1332 %	97.5636 %
Concentration per Run 3	-0.0001 ppm	102.0583 %	98.7729 %	97.9340 %	98.3866 %	99.4714 %	97.7740 %
Recovery Percentage 1	-0.764 %						
Concentration RSD	254.7 %	1.9 %	0.1 %	0.1 %	1.8 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-1 WG2085313
Analysis started at: 6/30/2025 2:53:12 PM
Comments <Comment>
Rack: 1
Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0007 ppm	-0.0001 ppm	0.0061 ppm	0.0001 ppm	0.0000 ppm	0.0432 ppm
Concentration per Run 1	-0.0003 ppm	-0.0035 ppm	0.0000 ppm	0.0063 ppm	0.0000 ppm	0.0000 ppm	0.0429 ppm
Concentration per Run 2	0.0000 ppm	-0.0010 ppm	0.0001 ppm	0.0059 ppm	0.0002 ppm	0.0000 ppm	0.0398 ppm
Concentration per Run 3	0.0001 ppm	0.0022 ppm	-0.0004 ppm	0.0061 ppm	0.0000 ppm	0.0000 ppm	0.0467 ppm
Recovery Percentage 1	-1.051 %	-0.750 %	-1.883 %	20.413 %	0.783 %	-0.159 %	43.159 %
Concentration RSD	224.8 %	381.6 %	256.3 %	3.2 %	115.5 %	276.4 %	8.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0054 ppm	0.1195 ppm	0.0017 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0059 ppm	0.1056 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0015 ppm	0.0046 ppm	0.1117 ppm	0.0020 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0057 ppm	0.1413 ppm	0.0016 ppm
Recovery Percentage 1	0.578 %	-0.351 %	1.977 %	12.223 %	10.793 %	4.781 %	16.915 %
Concentration RSD	92.4 %	203.1 %	66.9 %	20.4 %	13.6 %	16.0 %	15.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0091 ppm	0.0004 ppm	0.0005 ppm	**137.3905 ppm**	0.0004 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0096 ppm	0.0001 ppm	0.0005 ppm	136.8880 ppm	0.0003 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 2	0.0098 ppm	0.0005 ppm	0.0006 ppm	137.6611 ppm	0.0004 ppm	-0.0003 ppm	0.0008 ppm
Concentration per Run 3	0.0078 ppm	0.0006 ppm	0.0005 ppm	137.6223 ppm	0.0004 ppm	0.0002 ppm	0.0015 ppm
Recovery Percentage 1	9.071 %	3.768 %	1.080 %	6,869.523 %	1.558 %	0.059 %	2.985 %
Concentration RSD	12.0 %	67.7 %	13.5 %	**0.3 %**	11.2 %	3,958.2 %	48.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	0.0534 ppm	0.0044 ppm	0.0001 ppm	0.0001 ppm	-0.0037 ppm	0.0002 ppm
Concentration per Run 1	-0.0005 ppm	0.0521 ppm	0.0048 ppm	0.0001 ppm	0.0001 ppm	-0.0028 ppm	0.0002 ppm
Concentration per Run 2	0.0017 ppm	0.0553 ppm	0.0039 ppm	0.0001 ppm	0.0002 ppm	-0.0041 ppm	0.0003 ppm
Concentration per Run 3	0.0018 ppm	0.0529 ppm	0.0044 ppm	0.0002 ppm	-0.0001 ppm	-0.0042 ppm	0.0002 ppm
Recovery Percentage 1	9.905 %	10.690 %	8.770 %	1.274 %	0.629 %	-18.564 %	2.055 %
Concentration RSD	128.4 %	3.1 %	10.7 %	47.1 %	193.8 %	20.8 %	19.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	**0.0096 ppm**	99.5299 %	92.0317 %	92.1483 %	97.5201 %	88.9964 %	92.7225 %
Concentration per Run 1	0.0096 ppm	99.9638 %	92.3119 %	92.1888 %	97.7325 %	89.2706 %	93.0233 %
Concentration per Run 2	0.0097 ppm	99.1083 %	91.8385 %	92.2852 %	97.2737 %	88.8918 %	92.5851 %
Concentration per Run 3	0.0096 ppm	99.5176 %	91.9446 %	91.9708 %	97.5541 %	88.8268 %	92.5592 %
Recovery Percentage 1	192.556 %						
Concentration RSD	**0.4 %**	0.4 %	0.3 %	0.2 %	0.2 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-1 WG2085257
Analysis started at: 6/30/2025 2:59:45 PM
Comments <Comment>
Rack: 1
Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0020 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 1	0.0001 ppm	-0.0019 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 2	0.0000 ppm	0.0019 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run 3	0.0000 ppm	-0.0060 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0093 ppm
Recovery Percentage 1	0.418 %	-2.006 %	10.019 %	1.756 %	0.360 %	0.239 %	8.368 %
Concentration RSD	75.9 %	197.8 %	40.6 %	25.1 %	76.5 %	112.1 %	16.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0012 ppm	0.0180 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	-0.0004 ppm	0.0143 ppm	-0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0023 ppm	0.0184 ppm	-0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0017 ppm	0.0213 ppm	-0.0010 ppm
Recovery Percentage 1	-0.683 %	-0.452 %	1.001 %	5.009 %	2.399 %	0.721 %	-11.101 %
Concentration RSD	10.0 %	55.6 %	154.3 %	17.8 %	118.0 %	19.6 %	41.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0968 ppm	0.0002 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.1024 ppm	0.0001 ppm	0.0017 ppm	-0.0003 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.1000 ppm	0.0003 ppm	0.0009 ppm	-0.0008 ppm
Concentration per Run 3	0.0023 ppm	0.0000 ppm	0.0003 ppm	0.0880 ppm	0.0001 ppm	0.0007 ppm	-0.0005 ppm
Recovery Percentage 1	0.996 %	0.005 %	0.240 %	4.839 %	0.617 %	11.185 %	-0.983 %
Concentration RSD	120.8 %	7,723.5 %	111.0 %	8.0 %	88.4 %	44.6 %	52.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.0103 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0002 ppm	0.0103 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 2	-0.0006 ppm	0.0100 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0106 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0000 ppm
Recovery Percentage 1	3.921 %	2.058 %	-0.749 %	0.667 %	1.848 %	-3.268 %	1.232 %
Concentration RSD	286.1 %	2.6 %	75.6 %	39.9 %	170.7 %	156.7 %	99.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	104.7414 %	98.6068 %	97.1699 %	100.1919 %	99.9542 %	97.2845 %
Concentration per Run 1	0.0003 ppm	106.7110 %	98.9102 %	97.5146 %	101.9927 %	100.1079 %	97.5719 %
Concentration per Run 2	0.0003 ppm	104.0228 %	98.5938 %	97.3725 %	99.2833 %	100.1587 %	97.1876 %
Concentration per Run 3	0.0004 ppm	103.4903 %	98.3164 %	96.6226 %	99.2999 %	99.5959 %	97.0941 %
Recovery Percentage 1	6.535 %						
Concentration RSD	7.5 %	1.6 %	0.3 %	0.5 %	1.6 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-2 WG2085257
Analysis started at: 6/30/2025 3:07:44 PM
Comments <Comment>
Rack: 1
Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0594 ppm	2.2515 ppm	0.1221 ppm	0.9962 ppm	2.2402 ppm	0.0549 ppm	10.0538 ppm
Concentration per Run 1	0.0596 ppm	2.2750 ppm	0.1236 ppm	0.9960 ppm	2.2429 ppm	0.0555 ppm	10.1387 ppm
Concentration per Run 2	0.0594 ppm	2.2398 ppm	0.1216 ppm	0.9973 ppm	2.2490 ppm	0.0545 ppm	10.0164 ppm
Concentration per Run 3	0.0593 ppm	2.2397 ppm	0.1210 ppm	0.9953 ppm	2.2285 ppm	0.0546 ppm	10.0062 ppm
Concentration RSD	0.3 %	0.9 %	1.1 %	0.1 %	0.5 %	1.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0527 ppm	0.5459 ppm	0.2226 ppm	0.2788 ppm	1.1325 ppm	10.3345 ppm	-0.0012 ppm
Concentration per Run 1	0.0526 ppm	0.5451 ppm	0.2224 ppm	0.2793 ppm	1.1454 ppm	10.4711 ppm	-0.0016 ppm
Concentration per Run 2	0.0528 ppm	0.5462 ppm	0.2229 ppm	0.2784 ppm	1.1261 ppm	10.2879 ppm	-0.0005 ppm
Concentration per Run 3	0.0527 ppm	0.5465 ppm	0.2226 ppm	0.2788 ppm	1.1260 ppm	10.2445 ppm	-0.0015 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.2 %	1.0 %	1.2 %	52.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2287 ppm	0.5586 ppm	0.9647 ppm	10.8922 ppm	0.5498 ppm	0.5337 ppm	0.4408 ppm
Concentration per Run 1	10.2290 ppm	0.5648 ppm	0.9605 ppm	11.0217 ppm	0.5489 ppm	0.5333 ppm	0.4308 ppm
Concentration per Run 2	10.2013 ppm	0.5560 ppm	0.9655 ppm	10.8272 ppm	0.5502 ppm	0.5338 ppm	0.4410 ppm
Concentration per Run 3	10.2557 ppm	0.5549 ppm	0.9682 ppm	10.8277 ppm	0.5501 ppm	0.5341 ppm	0.4507 ppm
Concentration RSD	0.3 %	1.0 %	0.4 %	1.0 %	0.1 %	0.1 %	2.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1167 ppm	1.0893 ppm	0.9691 ppm	1.0554 ppm	1.0246 ppm	0.1173 ppm	0.5607 ppm
Concentration per Run 1	0.1163 ppm	1.0905 ppm	0.9682 ppm	1.0694 ppm	1.0252 ppm	0.1153 ppm	0.5598 ppm
Concentration per Run 2	0.1157 ppm	1.0880 ppm	0.9686 ppm	1.0485 ppm	1.0243 ppm	0.1203 ppm	0.5604 ppm
Concentration per Run 3	0.1182 ppm	1.0893 ppm	0.9705 ppm	1.0483 ppm	1.0242 ppm	0.1164 ppm	0.5620 ppm
Concentration RSD	1.1 %	0.1 %	0.1 %	1.1 %	0.1 %	2.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5512 ppm	101.0793 %	96.3232 %	95.1563 %	98.3633 %	96.7279 %	96.8308 %
Concentration per Run 1	0.5507 ppm	100.3292 %	96.4014 %	95.0386 %	97.9359 %	96.9688 %	96.8827 %
Concentration per Run 2	0.5511 ppm	101.0902 %	96.4454 %	95.2824 %	98.4251 %	96.6088 %	96.8870 %
Concentration per Run 3	0.5517 ppm	101.8185 %	96.1229 %	95.1479 %	98.7288 %	96.6061 %	96.7228 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.1 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-2 WG2085313
Analysis started at: 6/30/2025 3:13:57 PM
Comments <Comment>
Rack: 1
Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0578 ppm	2.3013 ppm	0.1170 ppm	0.9586 ppm	2.3060 ppm	0.0563 ppm	10.1285 ppm
Concentration per Run 1	0.0577 ppm	2.3618 ppm	0.1175 ppm	0.9620 ppm	2.3728 ppm	0.0579 ppm	10.3849 ppm
Concentration per Run 2	0.0577 ppm	2.2947 ppm	0.1175 ppm	0.9573 ppm	2.2833 ppm	0.0560 ppm	10.0874 ppm
Concentration per Run 3	0.0579 ppm	2.2475 ppm	0.1161 ppm	0.9563 ppm	2.2618 ppm	0.0551 ppm	9.9131 ppm
Concentration RSD	0.2 %	2.5 %	0.7 %	0.3 %	2.6 %	2.6 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0524 ppm	0.5454 ppm	0.2209 ppm	0.2725 ppm	1.1680 ppm	10.2329 ppm	0.0008 ppm
Concentration per Run 1	0.0525 ppm	0.5468 ppm	0.2207 ppm	0.2725 ppm	1.1976 ppm	10.4982 ppm	0.0003 ppm
Concentration per Run 2	0.0524 ppm	0.5448 ppm	0.2208 ppm	0.2724 ppm	1.1648 ppm	10.1988 ppm	0.0006 ppm
Concentration per Run 3	0.0522 ppm	0.5446 ppm	0.2213 ppm	0.2725 ppm	1.1417 ppm	10.0017 ppm	0.0016 ppm
Concentration RSD	0.4 %	0.2 %	0.1 %	0.0 %	2.4 %	2.4 %	81.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.7478 ppm	0.5713 ppm	0.9716 ppm	10.7314 ppm	0.5473 ppm	0.5173 ppm	0.5088 ppm
Concentration per Run 1	9.7181 ppm	0.5854 ppm	0.9746 ppm	11.0185 ppm	0.5483 ppm	0.5203 ppm	0.5133 ppm
Concentration per Run 2	9.7642 ppm	0.5687 ppm	0.9716 ppm	10.6895 ppm	0.5473 ppm	0.5165 ppm	0.5086 ppm
Concentration per Run 3	9.7609 ppm	0.5597 ppm	0.9686 ppm	10.4860 ppm	0.5461 ppm	0.5152 ppm	0.5044 ppm
Concentration RSD	0.3 %	2.3 %	0.3 %	2.5 %	0.2 %	0.5 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1121 ppm	1.3080 ppm	0.9533 ppm	1.0669 ppm	0.9961 ppm	0.1117 ppm	0.5542 ppm
Concentration per Run 1	0.1167 ppm	1.3102 ppm	0.9574 ppm	1.0959 ppm	0.9957 ppm	0.1119 ppm	0.5539 ppm
Concentration per Run 2	0.1084 ppm	1.3093 ppm	0.9518 ppm	1.0631 ppm	0.9958 ppm	0.1130 ppm	0.5540 ppm
Concentration per Run 3	0.1111 ppm	1.3046 ppm	0.9506 ppm	1.0416 ppm	0.9969 ppm	0.1102 ppm	0.5547 ppm
Concentration RSD	3.8 %	0.2 %	0.4 %	2.6 %	0.1 %	1.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5482 ppm	95.6757 %	94.8818 %	94.3027 %	92.4990 %	93.8601 %	95.2016 %
Concentration per Run 1	0.5494 ppm	93.8850 %	95.0487 %	94.1911 %	90.6185 %	93.5832 %	95.3093 %
Concentration per Run 2	0.5479 ppm	95.8385 %	94.7689 %	94.2431 %	92.7763 %	93.9136 %	95.0577 %
Concentration per Run 3	0.5474 ppm	97.3036 %	94.8279 %	94.4738 %	94.1024 %	94.0836 %	95.2378 %
Concentration RSD	0.2 %	1.8 %	0.2 %	0.2 %	1.9 %	0.3 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2540814-01 WG2085313
Analysis started at: 6/30/2025 3:20:10 PM
Comments <Comment>
Rack: 1
Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0508 ppm	0.0000 ppm	0.0095 ppm	0.0631 ppm	0.0001 ppm	4.9014 ppm
Concentration per Run 1	-0.0002 ppm	0.0514 ppm	0.0008 ppm	0.0094 ppm	0.0639 ppm	0.0001 ppm	4.9682 ppm
Concentration per Run 2	0.0001 ppm	0.0546 ppm	-0.0003 ppm	0.0094 ppm	0.0629 ppm	0.0001 ppm	4.8952 ppm
Concentration per Run 3	0.0001 ppm	0.0465 ppm	-0.0005 ppm	0.0097 ppm	0.0625 ppm	0.0001 ppm	4.8409 ppm
Concentration RSD	632.0 %	8.0 %	2,932.6 %	1.8 %	1.1 %	14.2 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	0.0025 ppm	0.0003 ppm	0.0044 ppm	0.0428 ppm	0.8220 ppm	0.0024 ppm
Concentration per Run 1	0.0005 ppm	0.0025 ppm	0.0003 ppm	0.0043 ppm	0.0430 ppm	0.8095 ppm	0.0019 ppm
Concentration per Run 2	0.0006 ppm	0.0026 ppm	0.0003 ppm	0.0044 ppm	0.0424 ppm	0.8218 ppm	0.0014 ppm
Concentration per Run 3	0.0005 ppm	0.0025 ppm	0.0003 ppm	0.0045 ppm	0.0431 ppm	0.8347 ppm	0.0038 ppm
Concentration RSD	3.6 %	2.7 %	7.5 %	3.4 %	0.9 %	1.5 %	53.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3231 ppm	0.1813 ppm	0.0031 ppm	141.5599 ppm	0.0025 ppm	0.0899 ppm	0.0038 ppm
Concentration per Run 1	0.3221 ppm	0.1835 ppm	0.0033 ppm	143.7203 ppm	0.0024 ppm	0.0909 ppm	0.0030 ppm
Concentration per Run 2	0.3239 ppm	0.1810 ppm	0.0030 ppm	140.9217 ppm	0.0025 ppm	0.0894 ppm	0.0048 ppm
Concentration per Run 3	0.3234 ppm	0.1794 ppm	0.0030 ppm	140.0377 ppm	0.0025 ppm	0.0895 ppm	0.0035 ppm
Concentration RSD	0.3 %	1.1 %	6.3 %	1.4 %	2.0 %	1.0 %	24.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.2158 ppm	0.0032 ppm	0.0180 ppm	0.0009 ppm	-0.0035 ppm	0.0004 ppm
Concentration per Run 1	0.0002 ppm	0.2143 ppm	0.0033 ppm	0.0182 ppm	0.0008 ppm	-0.0045 ppm	0.0001 ppm
Concentration per Run 2	0.0013 ppm	0.2170 ppm	0.0035 ppm	0.0181 ppm	0.0011 ppm	-0.0031 ppm	0.0005 ppm
Concentration per Run 3	0.0004 ppm	0.2163 ppm	0.0027 ppm	0.0178 ppm	0.0007 ppm	-0.0030 ppm	0.0005 ppm
Concentration RSD	90.0 %	0.6 %	13.0 %	1.2 %	20.7 %	23.3 %	55.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0586 ppm	96.1344 %	91.0560 %	91.7402 %	93.3624 %	88.4152 %	91.6274 %
Concentration per Run 1	0.0589 ppm	94.6605 %	91.2529 %	91.5535 %	92.0696 %	88.3917 %	91.7967 %
Concentration per Run 2	0.0585 ppm	96.6615 %	90.9300 %	91.7588 %	93.8189 %	88.4352 %	91.5442 %
Concentration per Run 3	0.0585 ppm	97.0812 %	90.9852 %	91.9084 %	94.1989 %	88.4186 %	91.5415 %
Concentration RSD	0.4 %	1.3 %	0.2 %	0.2 %	1.2 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-3 WG2085313
Analysis started at: 6/30/2025 3:26:40 PM
Comments <Comment>
Rack: 1
Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0601 ppm	2.2963 ppm	0.1273 ppm	1.0149 ppm	2.2789 ppm	0.0556 ppm	14.6343 ppm
Concentration per Run 1	0.0603 ppm	2.2859 ppm	0.1265 ppm	1.0133 ppm	2.2716 ppm	0.0553 ppm	14.5013 ppm
Concentration per Run 2	0.0599 ppm	2.2943 ppm	0.1275 ppm	1.0174 ppm	2.2522 ppm	0.0557 ppm	14.6616 ppm
Concentration per Run 3	0.0600 ppm	2.3085 ppm	0.1279 ppm	1.0139 ppm	2.3129 ppm	0.0559 ppm	14.7399 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.2 %	1.4 %	0.6 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0558 ppm	0.5665 ppm	0.2274 ppm	0.2843 ppm	1.1780 ppm	11.1642 ppm	0.0042 ppm
Concentration per Run 1	0.0557 ppm	0.5658 ppm	0.2289 ppm	0.2840 ppm	1.1647 ppm	11.1012 ppm	0.0037 ppm
Concentration per Run 2	0.0558 ppm	0.5669 ppm	0.2267 ppm	0.2844 ppm	1.1829 ppm	11.1957 ppm	0.0042 ppm
Concentration per Run 3	0.0559 ppm	0.5670 ppm	0.2267 ppm	0.2845 ppm	1.1866 ppm	11.1957 ppm	0.0046 ppm
Concentration RSD	0.2 %	0.1 %	0.6 %	0.1 %	1.0 %	0.5 %	10.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.9756 ppm	0.7346 ppm	1.0123 ppm	152.0665 ppm	0.5676 ppm	0.6157 ppm	0.5289 ppm
Concentration per Run 1	10.0142 ppm	0.7290 ppm	1.0107 ppm	150.6778 ppm	0.5676 ppm	0.6164 ppm	0.5275 ppm
Concentration per Run 2	9.9557 ppm	0.7355 ppm	1.0136 ppm	151.9333 ppm	0.5681 ppm	0.6157 ppm	0.5317 ppm
Concentration per Run 3	9.9569 ppm	0.7394 ppm	1.0126 ppm	153.5884 ppm	0.5670 ppm	0.6148 ppm	0.5274 ppm
Concentration RSD	0.3 %	0.7 %	0.1 %	1.0 %	0.1 %	0.1 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1215 ppm	1.5971 ppm	0.9795 ppm	1.0539 ppm	1.0226 ppm	0.1072 ppm	0.5744 ppm
Concentration per Run 1	0.1243 ppm	1.5964 ppm	0.9794 ppm	1.0471 ppm	1.0243 ppm	0.1050 ppm	0.5752 ppm
Concentration per Run 2	0.1218 ppm	1.5986 ppm	0.9789 ppm	1.0564 ppm	1.0217 ppm	0.1068 ppm	0.5742 ppm
Concentration per Run 3	0.1186 ppm	1.5962 ppm	0.9802 ppm	1.0582 ppm	1.0220 ppm	0.1097 ppm	0.5739 ppm
Concentration RSD	2.4 %	0.1 %	0.1 %	0.6 %	0.1 %	2.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6414 ppm	98.8570 %	90.5048 %	90.7815 %	95.3162 %	88.3620 %	91.0105 %
Concentration per Run 1	0.6417 ppm	99.4323 %	90.3371 %	90.7635 %	96.0361 %	88.4563 %	90.7870 %
Concentration per Run 2	0.6408 ppm	98.9968 %	90.6410 %	90.7324 %	95.4842 %	88.2164 %	91.2616 %
Concentration per Run 3	0.6418 ppm	98.1420 %	90.5364 %	90.8487 %	94.4283 %	88.4133 %	90.9830 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.1 %	0.9 %	0.1 %	0.3 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-4 WG2085313
Analysis started at: 6/30/2025 3:33:06 PM
Comments <Comment>
Rack: 1
Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0482 ppm	0.0012 ppm	0.0099 ppm	0.0622 ppm	0.0000 ppm	4.8328 ppm
Concentration per Run 1	0.0000 ppm	0.0479 ppm	0.0015 ppm	0.0106 ppm	0.0623 ppm	0.0000 ppm	4.8088 ppm
Concentration per Run 2	-0.0001 ppm	0.0506 ppm	0.0008 ppm	0.0096 ppm	0.0621 ppm	0.0001 ppm	4.8481 ppm
Concentration per Run 3	0.0002 ppm	0.0461 ppm	0.0013 ppm	0.0096 ppm	0.0622 ppm	0.0000 ppm	4.8415 ppm
Concentration RSD	550.4 %	4.7 %	29.8 %	5.5 %	0.1 %	46.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0006 ppm	0.0024 ppm	0.0004 ppm	0.0047 ppm	0.0417 ppm	0.8848 ppm	0.0044 ppm
Concentration per Run 1	0.0006 ppm	0.0024 ppm	0.0004 ppm	0.0046 ppm	0.0402 ppm	0.8650 ppm	0.0043 ppm
Concentration per Run 2	0.0006 ppm	0.0024 ppm	0.0005 ppm	0.0047 ppm	0.0435 ppm	0.8985 ppm	0.0044 ppm
Concentration per Run 3	0.0005 ppm	0.0025 ppm	0.0004 ppm	0.0048 ppm	0.0413 ppm	0.8910 ppm	0.0045 ppm
Concentration RSD	4.8 %	2.5 %	3.3 %	1.9 %	4.1 %	2.0 %	3.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3296 ppm	0.1792 ppm	0.0021 ppm	138.6080 ppm	0.0027 ppm	0.0908 ppm	0.0034 ppm
Concentration per Run 1	0.3288 ppm	0.1789 ppm	0.0024 ppm	138.1009 ppm	0.0029 ppm	0.0914 ppm	0.0037 ppm
Concentration per Run 2	0.3283 ppm	0.1794 ppm	0.0021 ppm	139.1434 ppm	0.0024 ppm	0.0900 ppm	0.0045 ppm
Concentration per Run 3	0.3317 ppm	0.1794 ppm	0.0020 ppm	138.5797 ppm	0.0030 ppm	0.0910 ppm	0.0019 ppm
Concentration RSD	0.6 %	0.2 %	10.0 %	0.4 %	10.9 %	0.8 %	39.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.2229 ppm	0.0023 ppm	0.0180 ppm	0.0007 ppm	-0.0030 ppm	0.0003 ppm
Concentration per Run 1	0.0012 ppm	0.2262 ppm	0.0024 ppm	0.0179 ppm	0.0009 ppm	-0.0022 ppm	0.0003 ppm
Concentration per Run 2	0.0010 ppm	0.2214 ppm	0.0021 ppm	0.0178 ppm	0.0007 ppm	-0.0033 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	0.2210 ppm	0.0025 ppm	0.0182 ppm	0.0007 ppm	-0.0036 ppm	0.0004 ppm
Concentration RSD	108.9 %	1.3 %	7.4 %	1.3 %	17.1 %	24.7 %	29.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0619 ppm	97.7762 %	90.9057 %	91.3805 %	95.0225 %	88.3350 %	91.5059 %
Concentration per Run 1	0.0619 ppm	97.9922 %	90.7884 %	91.3052 %	95.3387 %	88.2890 %	91.4092 %
Concentration per Run 2	0.0617 ppm	97.5547 %	91.0120 %	91.4289 %	94.7969 %	88.4879 %	91.5989 %
Concentration per Run 3	0.0621 ppm	97.7816 %	90.9166 %	91.4073 %	94.9319 %	88.2281 %	91.5097 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.1 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 3:39:35 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5445 ppm	0.4888 ppm	0.4878 ppm	0.5019 ppm	0.5092 ppm	0.5067 ppm	0.5098 ppm
Concentration per Run 1	0.5446 ppm	0.4980 ppm	0.4884 ppm	0.5012 ppm	0.5155 ppm	0.5137 ppm	0.5191 ppm
Concentration per Run 2	0.5456 ppm	0.4844 ppm	0.4887 ppm	0.5025 ppm	0.5066 ppm	0.5039 ppm	0.5076 ppm
Concentration per Run 3	0.5433 ppm	0.4839 ppm	0.4863 ppm	0.5021 ppm	0.5057 ppm	0.5025 ppm	0.5026 ppm
Recovery Percentage 1	108.900 %	97.759 %	97.558 %	100.381 %	101.846 %	101.342 %	101.957 %
Concentration RSD	0.2 %	1.6 %	0.3 %	0.1 %	1.1 %	1.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5071 ppm	0.5156 ppm	0.5214 ppm	0.5161 ppm	0.5216 ppm	5.1716 ppm	0.5202 ppm
Concentration per Run 1	0.5071 ppm	0.5155 ppm	0.5224 ppm	0.5163 ppm	0.5277 ppm	5.2588 ppm	0.5270 ppm
Concentration per Run 2	0.5073 ppm	0.5156 ppm	0.5213 ppm	0.5157 ppm	0.5172 ppm	5.1393 ppm	0.5177 ppm
Concentration per Run 3	0.5070 ppm	0.5156 ppm	0.5205 ppm	0.5163 ppm	0.5198 ppm	5.1167 ppm	0.5159 ppm
Recovery Percentage 1	101.427 %	103.116 %	104.280 %	103.217 %	104.310 %	103.432 %	104.042 %
Concentration RSD	0.0 %	0.0 %	0.2 %	0.1 %	1.1 %	1.5 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5255 ppm	0.5262 ppm	0.4917 ppm	10.3249 ppm	0.5124 ppm	0.5117 ppm	0.5205 ppm
Concentration per Run 1	0.5232 ppm	0.5326 ppm	0.4911 ppm	10.4712 ppm	0.5123 ppm	0.5109 ppm	0.5209 ppm
Concentration per Run 2	0.5265 ppm	0.5241 ppm	0.4921 ppm	10.2519 ppm	0.5121 ppm	0.5113 ppm	0.5223 ppm
Concentration per Run 3	0.5266 ppm	0.5218 ppm	0.4919 ppm	10.2516 ppm	0.5126 ppm	0.5129 ppm	0.5182 ppm
Recovery Percentage 1	105.092 %	105.235 %	98.336 %	103.249 %	102.471 %	102.342 %	104.093 %
Concentration RSD	0.4 %	1.1 %	0.1 %	1.2 %	0.0 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4887 ppm	5.5177 ppm	0.5008 ppm	0.5365 ppm	0.5145 ppm	0.5092 ppm	0.5141 ppm
Concentration per Run 1	0.4885 ppm	5.5212 ppm	0.4986 ppm	0.5437 ppm	0.5144 ppm	0.5064 ppm	0.5137 ppm
Concentration per Run 2	0.4903 ppm	5.5133 ppm	0.5040 ppm	0.5328 ppm	0.5150 ppm	0.5105 ppm	0.5147 ppm
Concentration per Run 3	0.4874 ppm	5.5187 ppm	0.4998 ppm	0.5330 ppm	0.5139 ppm	0.5107 ppm	0.5138 ppm
Recovery Percentage 1	97.747 %	105.100 %	100.159 %	107.298 %	102.893 %	101.841 %	102.818 %
Concentration RSD	0.3 %	0.1 %	0.6 %	1.2 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5126 ppm	99.3278 %	96.3212 %	95.6221 %	96.3087 %	97.3927 %	96.6292 %
Concentration per Run 1	0.5127 ppm	97.7373 %	96.4895 %	95.7072 %	95.0097 %	97.4158 %	96.8307 %
Concentration per Run 2	0.5124 ppm	99.5286 %	96.0613 %	95.6962 %	96.5836 %	97.4427 %	96.3499 %
Concentration per Run 3	0.5125 ppm	100.7174 %	96.4129 %	95.4629 %	97.3329 %	97.3195 %	96.7069 %
Recovery Percentage 1	102.511 %						
Concentration RSD	0.0 %	1.5 %	0.2 %	0.1 %	1.2 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 3:45:42 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0024 ppm	0.0004 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 1	-0.0001 ppm	-0.0063 ppm	0.0010 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	0.0002 ppm	-0.0032 ppm	0.0002 ppm	0.0022 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0022 ppm	0.0000 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm
Recovery Percentage 1	0.374 %	-2.438 %	7.638 %	7.137 %	0.514 %	0.907 %	1.583 %
Concentration RSD	724.1 %	176.9 %	146.6 %	4.1 %	86.8 %	78.1 %	69.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0011 ppm	0.0302 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0171 ppm	-0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0498 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0238 ppm	-0.0003 ppm
Recovery Percentage 1	0.589 %	-0.175 %	0.948 %	3.657 %	2.186 %	1.210 %	-4.793 %
Concentration RSD	162.0 %	134.7 %	57.2 %	6.1 %	32.7 %	57.2 %	101.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0005 ppm	0.0000 ppm	0.0016 ppm	0.0523 ppm	0.0002 ppm	-0.0003 ppm	0.0015 ppm
Concentration per Run 1	0.0006 ppm	0.0000 ppm	0.0019 ppm	0.0536 ppm	0.0004 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run 2	-0.0010 ppm	0.0000 ppm	0.0016 ppm	0.0485 ppm	0.0002 ppm	-0.0005 ppm	0.0013 ppm
Concentration per Run 3	-0.0011 ppm	-0.0001 ppm	0.0013 ppm	0.0549 ppm	0.0002 ppm	-0.0002 ppm	0.0019 ppm
Recovery Percentage 1	-0.484 %	-0.103 %	3.183 %	2.616 %	0.964 %	-2.649 %	3.039 %
Concentration RSD	201.8 %	778.8 %	20.6 %	6.5 %	54.0 %	74.8 %	21.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	-0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0031 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 2	0.0028 ppm	-0.0015 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 3	0.0023 ppm	-0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage 1	27.293 %	-0.246 %	-0.044 %	0.723 %	2.065 %	-1.667 %	0.437 %
Concentration RSD	14.1 %	26.4 %	1,093.2 %	56.9 %	6.1 %	303.7 %	310.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.0234 %	97.2412 %	95.9454 %	96.6644 %	98.5475 %	95.8434 %
Concentration per Run 1	-0.0002 ppm	99.2046 %	97.2816 %	96.1982 %	94.9534 %	98.3090 %	95.8237 %
Concentration per Run 2	-0.0001 ppm	101.6736 %	97.1065 %	95.9685 %	97.1893 %	98.7727 %	95.7145 %
Concentration per Run 3	0.0000 ppm	102.1920 %	97.3354 %	95.6696 %	97.8504 %	98.5608 %	95.9920 %
Recovery Percentage 1	-1.779 %						
Concentration RSD	119.4 %	1.6 %	0.1 %	0.3 %	1.6 %	0.2 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: I2539492-02 WG2085257
Analysis started at: 6/30/2025 4:15:44 PM
Comments <Comment>
Rack: 1
Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.9313 ppm	0.0086 ppm	0.1208 ppm	0.0990 ppm	0.0001 ppm	31.6278 ppm
Concentration per Run 1	0.0000 ppm	0.9090 ppm	0.0102 ppm	0.1201 ppm	0.0982 ppm	0.0001 ppm	31.4643 ppm
Concentration per Run 2	-0.0001 ppm	0.9491 ppm	0.0076 ppm	0.1207 ppm	0.0996 ppm	0.0001 ppm	31.7675 ppm
Concentration per Run 3	-0.0002 ppm	0.9359 ppm	0.0081 ppm	0.1215 ppm	0.0993 ppm	0.0001 ppm	31.6516 ppm
Concentration RSD	143.9 %	2.2 %	16.3 %	0.6 %	0.8 %	25.8 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0098 ppm	0.0378 ppm	0.0228 ppm	16.4322 ppm	9.0734 ppm	0.2379 ppm
Concentration per Run 1	-0.0002 ppm	0.0097 ppm	0.0377 ppm	0.0228 ppm	16.3398 ppm	9.0295 ppm	0.2358 ppm
Concentration per Run 2	-0.0002 ppm	0.0099 ppm	0.0377 ppm	0.0228 ppm	16.5068 ppm	9.1136 ppm	0.2389 ppm
Concentration per Run 3	-0.0003 ppm	0.0097 ppm	0.0378 ppm	0.0226 ppm	16.4501 ppm	9.0771 ppm	0.2389 ppm
Concentration RSD	5.6 %	0.9 %	0.1 %	0.6 %	0.5 %	0.5 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.8943 ppm	0.8903 ppm	0.0182 ppm	149.3662 ppm	0.0317 ppm	0.0043 ppm	0.0005 ppm
Concentration per Run 1	3.8891 ppm	0.8853 ppm	0.0181 ppm	147.6171 ppm	0.0315 ppm	0.0038 ppm	0.0009 ppm
Concentration per Run 2	3.8825 ppm	0.8938 ppm	0.0181 ppm	149.4883 ppm	0.0316 ppm	0.0048 ppm	-0.0011 ppm
Concentration per Run 3	3.9112 ppm	0.8919 ppm	0.0185 ppm	150.9933 ppm	0.0319 ppm	0.0042 ppm	0.0017 ppm
Concentration RSD	0.4 %	0.5 %	1.3 %	1.1 %	0.8 %	12.3 %	277.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	14.1392 ppm	0.0002 ppm	0.2588 ppm	0.0142 ppm	-0.0033 ppm	0.0092 ppm
Concentration per Run 1	0.0004 ppm	14.1046 ppm	-0.0002 ppm	0.2569 ppm	0.0151 ppm	-0.0005 ppm	0.0093 ppm
Concentration per Run 2	0.0042 ppm	14.1092 ppm	0.0006 ppm	0.2603 ppm	0.0142 ppm	-0.0042 ppm	0.0091 ppm
Concentration per Run 3	0.0012 ppm	14.2039 ppm	0.0002 ppm	0.2593 ppm	0.0134 ppm	-0.0052 ppm	0.0092 ppm
Concentration RSD	103.2 %	0.4 %	209.6 %	0.7 %	5.7 %	74.0 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0678 ppm	105.6261 %	93.7526 %	92.6266 %	101.6055 %	88.5955 %	92.6669 %
Concentration per Run 1	0.0677 ppm	105.7611 %	93.6582 %	92.9752 %	102.0825 %	88.9469 %	92.5550 %
Concentration per Run 2	0.0677 ppm	105.2445 %	94.0582 %	92.9093 %	101.2093 %	88.5960 %	92.9784 %
Concentration per Run 3	0.0679 ppm	105.8727 %	93.5413 %	91.9952 %	101.5248 %	88.2434 %	92.4672 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.6 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-3 WG2085257
Analysis started at: 6/30/2025 4:22:07 PM
Comments <Comment>
Rack: 1
Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0621 ppm	3.3255 ppm	0.1442 ppm	1.1985 ppm	2.4082 ppm	0.0561 ppm	42.4150 ppm
Concentration per Run 1	0.0621 ppm	3.3291 ppm	0.1446 ppm	1.1977 ppm	2.4342 ppm	0.0561 ppm	42.4698 ppm
Concentration per Run 2	0.0622 ppm	3.3157 ppm	0.1439 ppm	1.1975 ppm	2.3966 ppm	0.0561 ppm	42.3586 ppm
Concentration per Run 3	0.0620 ppm	3.3318 ppm	0.1440 ppm	1.2005 ppm	2.3936 ppm	0.0561 ppm	42.4166 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.1 %	0.9 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0543 ppm	0.5743 ppm	0.2676 ppm	0.3185 ppm	18.4491 ppm	19.8897 ppm	0.2454 ppm
Concentration per Run 1	0.0544 ppm	0.5750 ppm	0.2675 ppm	0.3193 ppm	18.4682 ppm	19.9193 ppm	0.2447 ppm
Concentration per Run 2	0.0543 ppm	0.5737 ppm	0.2671 ppm	0.3180 ppm	18.4241 ppm	19.9443 ppm	0.2448 ppm
Concentration per Run 3	0.0543 ppm	0.5743 ppm	0.2683 ppm	0.3182 ppm	18.4551 ppm	19.8056 ppm	0.2467 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.2 %	0.1 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.9862 ppm	1.4608 ppm	1.0457 ppm	162.0183 ppm	0.5976 ppm	0.5467 ppm	0.5203 ppm
Concentration per Run 1	14.0002 ppm	1.4608 ppm	1.0435 ppm	165.6346 ppm	0.5979 ppm	0.5468 ppm	0.5200 ppm
Concentration per Run 2	13.9436 ppm	1.4586 ppm	1.0453 ppm	159.1020 ppm	0.5972 ppm	0.5458 ppm	0.5192 ppm
Concentration per Run 3	14.0148 ppm	1.4632 ppm	1.0482 ppm	161.3182 ppm	0.5976 ppm	0.5476 ppm	0.5217 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	2.1 %	0.1 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1348 ppm	15.6463 ppm	0.9405 ppm	1.3388 ppm	1.0525 ppm	0.1123 ppm	0.5832 ppm
Concentration per Run 1	0.1352 ppm	15.6452 ppm	0.9412 ppm	1.3382 ppm	1.0529 ppm	0.1111 ppm	0.5837 ppm
Concentration per Run 2	0.1326 ppm	15.6324 ppm	0.9399 ppm	1.3367 ppm	1.0523 ppm	0.1119 ppm	0.5824 ppm
Concentration per Run 3	0.1365 ppm	15.6613 ppm	0.9405 ppm	1.3416 ppm	1.0524 ppm	0.1138 ppm	0.5836 ppm
Concentration RSD	1.5 %	0.1 %	0.1 %	0.2 %	0.0 %	1.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6453 ppm	104.1932 %	93.2530 %	91.9745 %	99.4575 %	88.6197 %	92.1552 %
Concentration per Run 1	0.6458 ppm	103.7743 %	93.0383 %	92.1313 %	99.1868 %	88.6353 %	91.8245 %
Concentration per Run 2	0.6447 ppm	104.0141 %	93.5270 %	91.9987 %	99.5527 %	88.6360 %	92.4466 %
Concentration per Run 3	0.6454 ppm	104.7912 %	93.1937 %	91.7935 %	99.6330 %	88.5877 %	92.1946 %
Concentration RSD	0.1 %	0.5 %	0.3 %	0.2 %	0.2 %	0.0 %	0.3 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-4 WG2085257
Analysis started at: 6/30/2025 4:28:28 PM
Comments <Comment>
Rack: 1
Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	1.4696 ppm	0.0094 ppm	0.1214 ppm	0.1034 ppm	0.0002 ppm	32.1917 ppm
Concentration per Run 1	-0.0001 ppm	1.4824 ppm	0.0103 ppm	0.1217 ppm	0.1031 ppm	0.0002 ppm	32.0929 ppm
Concentration per Run 2	-0.0001 ppm	1.4574 ppm	0.0091 ppm	0.1215 ppm	0.1035 ppm	0.0001 ppm	32.3106 ppm
Concentration per Run 3	-0.0006 ppm	1.4689 ppm	0.0088 ppm	0.1209 ppm	0.1035 ppm	0.0001 ppm	32.1717 ppm
Concentration RSD	90.9 %	0.9 %	8.3 %	0.3 %	0.2 %	19.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0102 ppm	0.0534 ppm	0.0297 ppm	17.8338 ppm	9.3897 ppm	0.2459 ppm
Concentration per Run 1	-0.0002 ppm	0.0101 ppm	0.0537 ppm	0.0299 ppm	17.7541 ppm	9.3622 ppm	0.2456 ppm
Concentration per Run 2	-0.0002 ppm	0.0103 ppm	0.0532 ppm	0.0293 ppm	17.8922 ppm	9.4136 ppm	0.2465 ppm
Concentration per Run 3	-0.0003 ppm	0.0103 ppm	0.0531 ppm	0.0298 ppm	17.8550 ppm	9.3933 ppm	0.2457 ppm
Concentration RSD	9.5 %	1.1 %	0.6 %	1.2 %	0.4 %	0.3 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0331 ppm	0.9146 ppm	0.0323 ppm	148.2433 ppm	0.0321 ppm	0.0043 ppm	0.0060 ppm
Concentration per Run 1	4.0331 ppm	0.9119 ppm	0.0326 ppm	147.1874 ppm	0.0319 ppm	0.0044 ppm	0.0066 ppm
Concentration per Run 2	4.0239 ppm	0.9181 ppm	0.0326 ppm	150.1371 ppm	0.0322 ppm	0.0045 ppm	0.0060 ppm
Concentration per Run 3	4.0424 ppm	0.9136 ppm	0.0316 ppm	147.4055 ppm	0.0323 ppm	0.0041 ppm	0.0052 ppm
Concentration RSD	0.2 %	0.3 %	1.7 %	1.1 %	0.6 %	5.4 %	11.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0032 ppm	15.0334 ppm	0.0017 ppm	0.2688 ppm	0.0237 ppm	-0.0045 ppm	0.0102 ppm
Concentration per Run 1	0.0043 ppm	15.0286 ppm	0.0018 ppm	0.2677 ppm	0.0238 ppm	-0.0046 ppm	0.0101 ppm
Concentration per Run 2	0.0021 ppm	15.0836 ppm	0.0023 ppm	0.2700 ppm	0.0233 ppm	-0.0050 ppm	0.0101 ppm
Concentration per Run 3	0.0031 ppm	14.9881 ppm	0.0010 ppm	0.2686 ppm	0.0240 ppm	-0.0038 ppm	0.0104 ppm
Concentration RSD	33.6 %	0.3 %	38.7 %	0.4 %	1.6 %	13.4 %	1.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0689 ppm	103.8425 %	92.8269 %	91.7297 %	99.0899 %	88.4304 %	92.1624 %
Concentration per Run 1	0.0690 ppm	104.3111 %	92.9317 %	91.7760 %	99.6176 %	88.4260 %	92.2097 %
Concentration per Run 2	0.0688 ppm	103.5137 %	92.8689 %	91.7800 %	98.6104 %	88.4327 %	92.2592 %
Concentration per Run 3	0.0689 ppm	103.7026 %	92.6802 %	91.6331 %	99.0417 %	88.4325 %	92.0182 %
Concentration RSD	0.1 %	0.4 %	0.1 %	0.1 %	0.5 %	0.0 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-5 WG2085257
Analysis started at: 6/30/2025 4:34:51 PM
Comments <Comment>
Rack: 1
Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0590 ppm	3.9144 ppm	0.1348 ppm	1.1511 ppm	2.2558 ppm	0.0529 ppm	40.6531 ppm
Concentration per Run 1	0.0590 ppm	3.8971 ppm	0.1349 ppm	1.1492 ppm	2.2523 ppm	0.0530 ppm	40.6946 ppm
Concentration per Run 2	0.0592 ppm	3.9062 ppm	0.1360 ppm	1.1535 ppm	2.2350 ppm	0.0528 ppm	40.6227 ppm
Concentration per Run 3	0.0589 ppm	3.9400 ppm	0.1335 ppm	1.1508 ppm	2.2802 ppm	0.0529 ppm	40.6419 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	0.2 %	1.0 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0517 ppm	0.5488 ppm	0.2523 ppm	0.2997 ppm	17.4996 ppm	19.4615 ppm	0.2357 ppm
Concentration per Run 1	0.0518 ppm	0.5484 ppm	0.2529 ppm	0.2988 ppm	17.5218 ppm	19.4841 ppm	0.2343 ppm
Concentration per Run 2	0.0517 ppm	0.5488 ppm	0.2519 ppm	0.3000 ppm	17.4763 ppm	19.4851 ppm	0.2371 ppm
Concentration per Run 3	0.0518 ppm	0.5491 ppm	0.2521 ppm	0.3004 ppm	17.5007 ppm	19.4152 ppm	0.2356 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.3 %	0.1 %	0.2 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.3207 ppm	1.3949 ppm	0.9896 ppm	153.0302 ppm	0.5665 ppm	0.5170 ppm	0.4165 ppm
Concentration per Run 1	13.3595 ppm	1.3963 ppm	0.9866 ppm	155.1692 ppm	0.5661 ppm	0.5168 ppm	0.4035 ppm
Concentration per Run 2	13.2846 ppm	1.3928 ppm	0.9910 ppm	152.7052 ppm	0.5669 ppm	0.5164 ppm	0.4166 ppm
Concentration per Run 3	13.3178 ppm	1.3956 ppm	0.9913 ppm	151.2160 ppm	0.5666 ppm	0.5179 ppm	0.4294 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	1.3 %	0.1 %	0.2 %	3.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1279 ppm	16.6443 ppm	0.9586 ppm	1.2921 ppm	1.0401 ppm	0.1065 ppm	0.5535 ppm
Concentration per Run 1	0.1261 ppm	16.6473 ppm	0.9570 ppm	1.2921 ppm	1.0424 ppm	0.1074 ppm	0.5536 ppm
Concentration per Run 2	0.1291 ppm	16.6415 ppm	0.9582 ppm	1.2909 ppm	1.0380 ppm	0.1040 ppm	0.5527 ppm
Concentration per Run 3	0.1284 ppm	16.6442 ppm	0.9605 ppm	1.2932 ppm	1.0399 ppm	0.1082 ppm	0.5541 ppm
Concentration RSD	1.2 %	0.0 %	0.2 %	0.1 %	0.2 %	2.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6115 ppm	104.1371 %	93.0646 %	91.9170 %	99.7041 %	89.0447 %	92.4667 %
Concentration per Run 1	0.6115 ppm	104.0066 %	92.9976 %	92.1774 %	99.6181 %	89.1368 %	92.3351 %
Concentration per Run 2	0.6108 ppm	103.9446 %	93.1240 %	91.7010 %	99.6866 %	89.0544 %	92.5811 %
Concentration per Run 3	0.6124 ppm	104.4602 %	93.0720 %	91.8726 %	99.8076 %	88.9430 %	92.4839 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.3 %	0.1 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-6d5 WG2085257
Analysis started at: 6/30/2025 4:41:14 PM
Comments <Comment>
Rack: 1
Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.2113 ppm	0.0025 ppm	0.0248 ppm	0.0199 ppm	0.0000 ppm	6.2772 ppm
Concentration per Run 1	-0.0001 ppm	0.2081 ppm	0.0012 ppm	0.0248 ppm	0.0198 ppm	0.0000 ppm	6.2277 ppm
Concentration per Run 2	-0.0004 ppm	0.2187 ppm	0.0041 ppm	0.0250 ppm	0.0199 ppm	0.0000 ppm	6.2703 ppm
Concentration per Run 3	-0.0005 ppm	0.2071 ppm	0.0022 ppm	0.0245 ppm	0.0200 ppm	0.0001 ppm	6.3336 ppm
Concentration RSD	75.1 %	3.0 %	60.2 %	1.0 %	0.7 %	65.1 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0018 ppm	0.0077 ppm	0.0045 ppm	3.3357 ppm	1.8028 ppm	0.0458 ppm
Concentration per Run 1	-0.0001 ppm	0.0018 ppm	0.0080 ppm	0.0045 ppm	3.3083 ppm	1.7917 ppm	0.0452 ppm
Concentration per Run 2	-0.0001 ppm	0.0018 ppm	0.0075 ppm	0.0045 ppm	3.3400 ppm	1.8054 ppm	0.0463 ppm
Concentration per Run 3	0.0000 ppm	0.0018 ppm	0.0078 ppm	0.0046 ppm	3.3589 ppm	1.8113 ppm	0.0459 ppm
Concentration RSD	58.3 %	2.3 %	3.4 %	1.6 %	0.8 %	0.6 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7852 ppm	0.1787 ppm	0.0099 ppm	28.9804 ppm	0.0061 ppm	0.0008 ppm	0.0274 ppm
Concentration per Run 1	0.7857 ppm	0.1778 ppm	0.0106 ppm	28.8288 ppm	0.0063 ppm	0.0008 ppm	0.0314 ppm
Concentration per Run 2	0.7856 ppm	0.1782 ppm	0.0097 ppm	28.9318 ppm	0.0061 ppm	0.0006 ppm	0.0269 ppm
Concentration per Run 3	0.7844 ppm	0.1802 ppm	0.0093 ppm	29.1807 ppm	0.0061 ppm	0.0009 ppm	0.0238 ppm
Concentration RSD	0.1 %	0.7 %	6.8 %	0.6 %	1.7 %	15.7 %	13.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	2.6695 ppm	0.0053 ppm	0.0522 ppm	0.0043 ppm	-0.0020 ppm	0.0019 ppm
Concentration per Run 1	-0.0016 ppm	2.6745 ppm	0.0059 ppm	0.0519 ppm	0.0042 ppm	-0.0023 ppm	0.0019 ppm
Concentration per Run 2	0.0011 ppm	2.6624 ppm	0.0056 ppm	0.0520 ppm	0.0045 ppm	-0.0025 ppm	0.0019 ppm
Concentration per Run 3	0.0005 ppm	2.6714 ppm	0.0043 ppm	0.0527 ppm	0.0044 ppm	-0.0013 ppm	0.0020 ppm
Concentration RSD	8,861.4 %	0.2 %	16.0 %	0.8 %	3.7 %	33.5 %	3.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0130 ppm	102.7320 %	95.5564 %	94.5734 %	99.3090 %	96.2814 %	96.2847 %
Concentration per Run 1	0.0130 ppm	103.7334 %	95.5447 %	94.5996 %	100.2332 %	96.2396 %	96.1526 %
Concentration per Run 2	0.0128 ppm	102.7555 %	95.6186 %	94.5073 %	99.2453 %	96.2944 %	96.4196 %
Concentration per Run 3	0.0130 ppm	101.7070 %	95.5057 %	94.6132 %	98.4483 %	96.3101 %	96.2820 %
Concentration RSD	0.8 %	1.0 %	0.1 %	0.1 %	0.9 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 4:47:34 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5460 ppm	0.4852 ppm	0.4842 ppm	0.5017 ppm	0.5061 ppm	0.4981 ppm	0.5035 ppm
Concentration per Run 1	0.5451 ppm	0.4885 ppm	0.4859 ppm	0.5014 ppm	0.5087 ppm	0.4989 ppm	0.5024 ppm
Concentration per Run 2	0.5461 ppm	0.4816 ppm	0.4835 ppm	0.5020 ppm	0.5062 ppm	0.4995 ppm	0.5091 ppm
Concentration per Run 3	0.5467 ppm	0.4856 ppm	0.4832 ppm	0.5018 ppm	0.5035 ppm	0.4958 ppm	0.4991 ppm
Recovery Percentage 1	109.194 %	97.042 %	96.845 %	100.349 %	101.218 %	99.619 %	100.706 %
Concentration RSD	0.1 %	0.7 %	0.3 %	0.1 %	0.5 %	0.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5064 ppm	0.5167 ppm	0.5192 ppm	0.5168 ppm	0.5204 ppm	5.1719 ppm	0.5159 ppm
Concentration per Run 1	0.5076 ppm	0.5174 ppm	0.5200 ppm	0.5167 ppm	0.5221 ppm	5.2039 ppm	0.5165 ppm
Concentration per Run 2	0.5064 ppm	0.5171 ppm	0.5189 ppm	0.5173 ppm	0.5231 ppm	5.1482 ppm	0.5181 ppm
Concentration per Run 3	0.5051 ppm	0.5156 ppm	0.5188 ppm	0.5164 ppm	0.5160 ppm	5.1635 ppm	0.5132 ppm
Recovery Percentage 1	101.275 %	103.339 %	103.844 %	103.364 %	104.083 %	103.438 %	103.185 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.1 %	0.7 %	0.6 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5214 ppm	0.5166 ppm	0.4881 ppm	10.1867 ppm	0.5084 ppm	0.5062 ppm	0.5323 ppm
Concentration per Run 1	0.5228 ppm	0.5172 ppm	0.4886 ppm	10.2185 ppm	0.5097 ppm	0.5066 ppm	0.5337 ppm
Concentration per Run 2	0.5192 ppm	0.5185 ppm	0.4883 ppm	10.2269 ppm	0.5083 ppm	0.5062 ppm	0.5313 ppm
Concentration per Run 3	0.5222 ppm	0.5142 ppm	0.4876 ppm	10.1146 ppm	0.5072 ppm	0.5058 ppm	0.5318 ppm
Recovery Percentage 1	104.284 %	103.329 %	97.629 %	101.867 %	101.678 %	101.244 %	106.454 %
Concentration RSD	0.4 %	0.4 %	0.1 %	0.6 %	0.3 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4842 ppm	5.4692 ppm	0.4990 ppm	0.5329 ppm	0.5106 ppm	0.5004 ppm	0.5121 ppm
Concentration per Run 1	0.4854 ppm	5.4735 ppm	0.4995 ppm	0.5338 ppm	0.5096 ppm	0.5022 ppm	0.5115 ppm
Concentration per Run 2	0.4856 ppm	5.4735 ppm	0.4985 ppm	0.5351 ppm	0.5107 ppm	0.5001 ppm	0.5126 ppm
Concentration per Run 3	0.4817 ppm	5.4605 ppm	0.4989 ppm	0.5298 ppm	0.5114 ppm	0.4989 ppm	0.5122 ppm
Recovery Percentage 1	96.843 %	104.174 %	99.795 %	106.580 %	102.112 %	100.085 %	102.423 %
Concentration RSD	0.5 %	0.1 %	0.1 %	0.5 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5093 ppm	99.7586 %	95.8275 %	95.1676 %	97.5957 %	97.7976 %	96.6237 %
Concentration per Run 1	0.5102 ppm	99.0945 %	95.7867 %	95.2179 %	97.2142 %	97.6033 %	96.7192 %
Concentration per Run 2	0.5099 ppm	100.1330 %	95.7728 %	95.1056 %	97.3371 %	97.6397 %	96.5533 %
Concentration per Run 3	0.5079 ppm	100.0484 %	95.9230 %	95.1792 %	98.2358 %	98.1498 %	96.5986 %
Recovery Percentage 1	101.861 %						
Concentration RSD	0.2 %	0.6 %	0.1 %	0.1 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 4:53:41 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0043 ppm	0.0009 ppm	0.0024 ppm	0.0000 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run 1	0.0000 ppm	0.0019 ppm	0.0019 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run 2	-0.0002 ppm	-0.0024 ppm	0.0000 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run 3	-0.0001 ppm	-0.0124 ppm	0.0007 ppm	0.0026 ppm	-0.0001 ppm	0.0000 ppm	0.0052 ppm
Recovery Percentage 1	-1.529 %	-4.284 %	17.842 %	7.889 %	-0.319 %	0.446 %	5.116 %
Concentration RSD	69.2 %	171.3 %	109.7 %	10.9 %	233.8 %	46.3 %	3.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0209 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0220 ppm	-0.0009 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0012 ppm	0.0108 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0299 ppm	-0.0007 ppm
Recovery Percentage 1	-0.168 %	0.192 %	1.017 %	2.976 %	1.688 %	0.836 %	-2.894 %
Concentration RSD	724.0 %	248.5 %	177.3 %	52.8 %	74.1 %	45.8 %	296.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0000 ppm	0.0022 ppm	0.0532 ppm	0.0001 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run 1	-0.0003 ppm	-0.0002 ppm	0.0024 ppm	0.0510 ppm	0.0002 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 2	0.0012 ppm	0.0001 ppm	0.0021 ppm	0.0502 ppm	0.0001 ppm	-0.0001 ppm	0.0024 ppm
Concentration per Run 3	0.0011 ppm	0.0003 ppm	0.0020 ppm	0.0584 ppm	0.0001 ppm	-0.0003 ppm	0.0030 ppm
Recovery Percentage 1	0.678 %	0.334 %	4.352 %	2.660 %	0.440 %	-0.983 %	5.486 %
Concentration RSD	123.6 %	790.8 %	9.3 %	8.5 %	54.1 %	151.2 %	10.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	-0.0036 ppm	0.0006 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0033 ppm	-0.0029 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run 2	0.0018 ppm	-0.0039 ppm	0.0007 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 3	0.0013 ppm	-0.0041 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	-0.0005 ppm	0.0003 ppm
Recovery Percentage 1	21.343 %	-0.725 %	1.142 %	1.270 %	2.047 %	-2.827 %	1.187 %
Concentration RSD	48.8 %	16.8 %	58.7 %	79.8 %	39.7 %	15.4 %	165.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	100.8929 %	96.7456 %	95.6384 %	97.4119 %	99.2716 %	96.0169 %
Concentration per Run 1	-0.0003 ppm	101.2427 %	96.4398 %	95.6410 %	98.1584 %	99.2599 %	95.7711 %
Concentration per Run 2	-0.0002 ppm	100.5656 %	97.0590 %	95.7144 %	97.0762 %	99.2709 %	96.2083 %
Concentration per Run 3	-0.0001 ppm	100.8705 %	96.7380 %	95.5597 %	97.0009 %	99.2841 %	96.0714 %
Recovery Percentage 1	-4.347 %						
Concentration RSD	34.7 %	0.3 %	0.3 %	0.1 %	0.7 %	0.0 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082032-1 WG2082032
Analysis started at: 6/30/2025 5:32:24 PM
Comments <Comment>
Rack: 1
Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0010 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run 1	0.0001 ppm	-0.0024 ppm	0.0007 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0015 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	0.0010 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0066 ppm
Recovery Percentage 1	-0.802 %	-0.446 %	20.960 %	4.726 %	0.090 %	0.261 %	6.430 %
Concentration RSD	355.2 %	400.0 %	38.2 %	3.0 %	908.9 %	15.0 %	29.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0018 ppm	-0.0075 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0025 ppm	-0.0120 ppm	-0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0023 ppm	-0.0095 ppm	-0.0011 ppm
Recovery Percentage 1	-1.199 %	0.084 %	0.652 %	3.159 %	3.517 %	-0.298 %	-9.503 %
Concentration RSD	18.5 %	200.9 %	260.7 %	59.0 %	62.2 %	78.7 %	77.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0033 ppm	0.0002 ppm	0.0010 ppm	0.0178 ppm	0.0003 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 1	0.0016 ppm	0.0004 ppm	0.0011 ppm	0.0167 ppm	0.0005 ppm	0.0008 ppm	-0.0009 ppm
Concentration per Run 2	0.0041 ppm	-0.0001 ppm	0.0009 ppm	0.0180 ppm	0.0002 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run 3	0.0041 ppm	0.0003 ppm	0.0009 ppm	0.0189 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm
Recovery Percentage 1	3.280 %	1.699 %	1.913 %	0.892 %	1.079 %	3.680 %	0.759 %
Concentration RSD	44.1 %	151.3 %	9.6 %	6.1 %	74.6 %	98.3 %	443.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0088 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0012 ppm	0.0088 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 2	0.0008 ppm	0.0086 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.0091 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm
Recovery Percentage 1	12.641 %	1.763 %	0.082 %	0.716 %	1.432 %	-4.273 %	0.661 %
Concentration RSD	35.9 %	2.8 %	637.7 %	43.8 %	59.9 %	63.5 %	160.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	103.8965 %	98.8844 %	97.4548 %	100.5741 %	100.3994 %	98.1930 %
Concentration per Run 1	0.0002 ppm	104.2790 %	99.0356 %	97.6619 %	100.7889 %	100.4055 %	98.3032 %
Concentration per Run 2	0.0001 ppm	104.0647 %	98.9984 %	97.2554 %	100.7099 %	100.1321 %	98.2569 %
Concentration per Run 3	0.0001 ppm	103.3458 %	98.6193 %	97.4470 %	100.2234 %	100.6607 %	98.0188 %
Recovery Percentage 1	2.818 %						
Concentration RSD	28.0 %	0.5 %	0.2 %	0.2 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082032-2 WG2082032
Analysis started at: 6/30/2025 5:38:49 PM
Comments <Comment>
Rack: 1
Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0621 ppm	2.3431 ppm	0.1245 ppm	1.0125 ppm	2.3375 ppm	0.0566 ppm	10.2730 ppm
Concentration per Run 1	0.0621 ppm	2.3422 ppm	0.1244 ppm	1.0133 ppm	2.3506 ppm	0.0566 ppm	10.2606 ppm
Concentration per Run 2	0.0623 ppm	2.3495 ppm	0.1256 ppm	1.0111 ppm	2.3442 ppm	0.0566 ppm	10.2819 ppm
Concentration per Run 3	0.0619 ppm	2.3376 ppm	0.1235 ppm	1.0132 ppm	2.3177 ppm	0.0566 ppm	10.2765 ppm
Concentration RSD	0.4 %	0.3 %	0.9 %	0.1 %	0.7 %	0.0 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0550 ppm	0.5723 ppm	0.2336 ppm	0.2909 ppm	1.1726 ppm	10.6510 ppm	-0.0018 ppm
Concentration per Run 1	0.0549 ppm	0.5722 ppm	0.2339 ppm	0.2913 ppm	1.1710 ppm	10.6515 ppm	-0.0017 ppm
Concentration per Run 2	0.0550 ppm	0.5719 ppm	0.2334 ppm	0.2912 ppm	1.1755 ppm	10.6156 ppm	-0.0014 ppm
Concentration per Run 3	0.0551 ppm	0.5729 ppm	0.2336 ppm	0.2901 ppm	1.1714 ppm	10.6858 ppm	-0.0024 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.2 %	0.2 %	0.3 %	26.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3816 ppm	0.5756 ppm	0.9922 ppm	10.8566 ppm	0.5736 ppm	0.5463 ppm	0.4975 ppm
Concentration per Run 1	10.3934 ppm	0.5738 ppm	0.9899 ppm	10.8485 ppm	0.5732 ppm	0.5451 ppm	0.4939 ppm
Concentration per Run 2	10.3865 ppm	0.5775 ppm	0.9918 ppm	10.8901 ppm	0.5735 ppm	0.5461 ppm	0.4986 ppm
Concentration per Run 3	10.3648 ppm	0.5754 ppm	0.9950 ppm	10.8312 ppm	0.5740 ppm	0.5477 ppm	0.5000 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	0.1 %	0.2 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1213 ppm	1.1578 ppm	0.9871 ppm	1.0803 ppm	1.0446 ppm	0.1191 ppm	0.5857 ppm
Concentration per Run 1	0.1192 ppm	1.1575 ppm	0.9854 ppm	1.0799 ppm	1.0450 ppm	0.1210 ppm	0.5860 ppm
Concentration per Run 2	0.1210 ppm	1.1577 ppm	0.9867 ppm	1.0841 ppm	1.0452 ppm	0.1173 ppm	0.5857 ppm
Concentration per Run 3	0.1237 ppm	1.1582 ppm	0.9893 ppm	1.0768 ppm	1.0437 ppm	0.1190 ppm	0.5854 ppm
Concentration RSD	1.9 %	0.0 %	0.2 %	0.3 %	0.1 %	1.6 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5744 ppm	99.6253 %	95.8253 %	94.7697 %	97.8467 %	96.3265 %	97.0652 %
Concentration per Run 1	0.5730 ppm	99.6890 %	95.8753 %	94.5605 %	97.8131 %	96.2640 %	97.0822 %
Concentration per Run 2	0.5739 ppm	100.0854 %	96.0113 %	94.7342 %	97.8867 %	96.4421 %	97.1544 %
Concentration per Run 3	0.5762 ppm	99.1014 %	95.5893 %	95.0145 %	97.8404 %	96.2733 %	96.9589 %
Concentration RSD	0.3 %	0.5 %	0.2 %	0.2 %	0.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-01 WG2082032
Analysis started at: 6/30/2025 5:45:05 PM
Comments <Comment>
Rack: 1
Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0026 ppm	0.0019 ppm	0.0213 ppm	0.0230 ppm	0.0000 ppm	32.3885 ppm
Concentration per Run 1	-0.0003 ppm	0.0046 ppm	-0.0001 ppm	0.0214 ppm	0.0232 ppm	0.0000 ppm	32.6608 ppm
Concentration per Run 2	0.0001 ppm	0.0022 ppm	0.0031 ppm	0.0211 ppm	0.0229 ppm	0.0000 ppm	32.3074 ppm
Concentration per Run 3	-0.0004 ppm	0.0012 ppm	0.0027 ppm	0.0213 ppm	0.0229 ppm	0.0000 ppm	32.1972 ppm
Concentration RSD	145.0 %	66.3 %	91.1 %	0.7 %	0.8 %	158.7 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0008 ppm	0.0030 ppm	1.2590 ppm	-0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0009 ppm	0.0032 ppm	1.2746 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0006 ppm	0.0028 ppm	1.2434 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0030 ppm	1.2589 ppm	-0.0012 ppm
Concentration RSD	12.4 %	39.0 %	24.5 %	16.8 %	7.6 %	1.2 %	98.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.0510 ppm	0.0033 ppm	0.0041 ppm	10.3431 ppm	0.0149 ppm	-0.0002 ppm	0.0076 ppm
Concentration per Run 1	7.0551 ppm	0.0034 ppm	0.0046 ppm	10.4504 ppm	0.0147 ppm	-0.0002 ppm	0.0081 ppm
Concentration per Run 2	7.0644 ppm	0.0034 ppm	0.0041 ppm	10.2922 ppm	0.0151 ppm	-0.0008 ppm	0.0084 ppm
Concentration per Run 3	7.0334 ppm	0.0032 ppm	0.0037 ppm	10.2867 ppm	0.0150 ppm	0.0004 ppm	0.0061 ppm
Concentration RSD	0.2 %	3.3 %	10.9 %	0.9 %	1.3 %	288.2 %	16.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	3.8898 ppm	0.0023 ppm	0.1170 ppm	0.0006 ppm	-0.0013 ppm	0.0004 ppm
Concentration per Run 1	-0.0002 ppm	3.8844 ppm	0.0028 ppm	0.1181 ppm	0.0005 ppm	-0.0018 ppm	0.0006 ppm
Concentration per Run 2	-0.0018 ppm	3.8975 ppm	0.0024 ppm	0.1164 ppm	0.0006 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run 3	0.0023 ppm	3.8876 ppm	0.0018 ppm	0.1165 ppm	0.0006 ppm	-0.0003 ppm	0.0003 ppm
Concentration RSD	1,875.2 %	0.2 %	20.6 %	0.8 %	6.6 %	64.3 %	48.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	99.8468 %	95.6477 %	94.3539 %	97.8271 %	96.4234 %	96.4824 %
Concentration per Run 1	0.0005 ppm	99.5080 %	95.6770 %	94.4830 %	97.3225 %	96.4761 %	96.4694 %
Concentration per Run 2	0.0004 ppm	99.9819 %	95.5878 %	94.1352 %	97.8582 %	96.2480 %	96.3195 %
Concentration per Run 3	0.0006 ppm	100.0504 %	95.6782 %	94.4433 %	98.3005 %	96.5461 %	96.6582 %
Concentration RSD	18.6 %	0.3 %	0.1 %	0.2 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-02 WG2082032
Analysis started at: 6/30/2025 5:51:26 PM
Comments <Comment>
Rack: 1
Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0009 ppm	0.0005 ppm	0.0169 ppm	0.0430 ppm	0.0000 ppm	22.3956 ppm
Concentration per Run 1	-0.0001 ppm	-0.0058 ppm	-0.0007 ppm	0.0174 ppm	0.0429 ppm	0.0000 ppm	22.4271 ppm
Concentration per Run 2	0.0000 ppm	0.0039 ppm	0.0021 ppm	0.0167 ppm	0.0431 ppm	0.0000 ppm	22.4196 ppm
Concentration per Run 3	-0.0005 ppm	-0.0009 ppm	0.0002 ppm	0.0165 ppm	0.0430 ppm	0.0000 ppm	22.3400 ppm
Concentration RSD	138.8 %	520.9 %	275.9 %	2.7 %	0.2 %	42.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0075 ppm	0.0102 ppm	1.2206 ppm	-0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0074 ppm	0.0112 ppm	1.2230 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0075 ppm	0.0093 ppm	1.2254 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0074 ppm	0.0101 ppm	1.2135 ppm	-0.0018 ppm
Concentration RSD	22.3 %	107.3 %	24.1 %	1.2 %	9.2 %	0.5 %	60.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.1367 ppm	0.0024 ppm	0.0017 ppm	11.8016 ppm	0.0242 ppm	0.0002 ppm	0.0035 ppm
Concentration per Run 1	5.1388 ppm	0.0022 ppm	0.0017 ppm	11.7764 ppm	0.0239 ppm	0.0002 ppm	0.0029 ppm
Concentration per Run 2	5.1245 ppm	0.0024 ppm	0.0018 ppm	11.8324 ppm	0.0244 ppm	0.0002 ppm	0.0041 ppm
Concentration per Run 3	5.1468 ppm	0.0027 ppm	0.0017 ppm	11.7960 ppm	0.0243 ppm	0.0003 ppm	0.0034 ppm
Concentration RSD	0.2 %	9.7 %	4.0 %	0.2 %	1.0 %	36.2 %	16.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	6.2174 ppm	0.0005 ppm	0.1044 ppm	0.0005 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 1	-0.0022 ppm	6.2212 ppm	0.0007 ppm	0.1041 ppm	0.0005 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	6.2215 ppm	0.0004 ppm	0.1046 ppm	0.0005 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0007 ppm	6.2093 ppm	0.0003 ppm	0.1045 ppm	0.0006 ppm	-0.0015 ppm	0.0002 ppm
Concentration RSD	300.3 %	0.1 %	38.4 %	0.3 %	6.8 %	54.1 %	31.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0128 ppm	100.4781 %	95.9653 %	95.0489 %	98.3816 %	96.8068 %	96.7084 %
Concentration per Run 1	0.0129 ppm	99.9610 %	95.6883 %	95.0682 %	98.2976 %	96.7305 %	96.5346 %
Concentration per Run 2	0.0128 ppm	100.5558 %	96.2171 %	95.1134 %	98.5251 %	96.7395 %	97.0677 %
Concentration per Run 3	0.0128 ppm	100.9176 %	95.9903 %	94.9651 %	98.3223 %	96.9503 %	96.5228 %
Concentration RSD	0.7 %	0.5 %	0.3 %	0.1 %	0.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2085201-2 WG2085201
Analysis started at: 6/30/2025 6:04:24 PM
Comments <Comment>
Rack: 1
Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0604 ppm	2.2543 ppm	0.1201 ppm	0.9867 ppm	2.2400 ppm	0.0545 ppm	9.9637 ppm
Concentration per Run 1	0.0603 ppm	2.2529 ppm	0.1227 ppm	0.9857 ppm	2.2334 ppm	0.0546 ppm	9.9795 ppm
Concentration per Run 2	0.0604 ppm	2.2610 ppm	0.1201 ppm	0.9875 ppm	2.2303 ppm	0.0544 ppm	9.9629 ppm
Concentration per Run 3	0.0605 ppm	2.2491 ppm	0.1176 ppm	0.9869 ppm	2.2562 ppm	0.0544 ppm	9.9486 ppm
Concentration RSD	0.2 %	0.3 %	2.1 %	0.1 %	0.6 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0530 ppm	0.5496 ppm	0.2254 ppm	0.2798 ppm	1.1256 ppm	10.3611 ppm	-0.0013 ppm
Concentration per Run 1	0.0531 ppm	0.5499 ppm	0.2259 ppm	0.2796 ppm	1.1257 ppm	10.3869 ppm	-0.0022 ppm
Concentration per Run 2	0.0530 ppm	0.5499 ppm	0.2251 ppm	0.2801 ppm	1.1273 ppm	10.3503 ppm	-0.0007 ppm
Concentration per Run 3	0.0530 ppm	0.5491 ppm	0.2251 ppm	0.2797 ppm	1.1237 ppm	10.3462 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	0.2 %	0.2 %	59.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1803 ppm	0.5530 ppm	0.9582 ppm	10.7269 ppm	0.5522 ppm	0.5289 ppm	0.4456 ppm
Concentration per Run 1	10.1901 ppm	0.5546 ppm	0.9558 ppm	10.7333 ppm	0.5528 ppm	0.5288 ppm	0.4370 ppm
Concentration per Run 2	10.1863 ppm	0.5514 ppm	0.9590 ppm	10.7301 ppm	0.5526 ppm	0.5302 ppm	0.4463 ppm
Concentration per Run 3	10.1646 ppm	0.5530 ppm	0.9598 ppm	10.7175 ppm	0.5511 ppm	0.5276 ppm	0.4537 ppm
Concentration RSD	0.1 %	0.3 %	0.2 %	0.1 %	0.2 %	0.2 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1175 ppm	1.0794 ppm	0.9615 ppm	1.0342 ppm	1.0192 ppm	0.1158 ppm	0.5645 ppm
Concentration per Run 1	0.1169 ppm	1.0813 ppm	0.9623 ppm	1.0345 ppm	1.0195 ppm	0.1156 ppm	0.5644 ppm
Concentration per Run 2	0.1174 ppm	1.0796 ppm	0.9607 ppm	1.0354 ppm	1.0202 ppm	0.1171 ppm	0.5645 ppm
Concentration per Run 3	0.1181 ppm	1.0772 ppm	0.9613 ppm	1.0325 ppm	1.0178 ppm	0.1147 ppm	0.5645 ppm
Concentration RSD	0.5 %	0.2 %	0.1 %	0.1 %	0.1 %	1.1 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5530 ppm	100.1369 %	96.1244 %	95.4768 %	98.8436 %	97.0471 %	96.8702 %
Concentration per Run 1	0.5536 ppm	99.9476 %	95.8818 %	95.4822 %	98.8487 %	97.0635 %	96.6851 %
Concentration per Run 2	0.5529 ppm	100.4802 %	96.3375 %	95.3599 %	98.9223 %	96.9378 %	96.8501 %
Concentration per Run 3	0.5525 ppm	99.9828 %	96.1538 %	95.5883 %	98.7597 %	97.1399 %	97.0753 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.1 %	0.1 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 6:10:38 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5388 ppm	0.4892 ppm	0.4845 ppm	0.4983 ppm	0.5084 ppm	0.5034 ppm	0.5064 ppm
Concentration per Run 1	0.5389 ppm	0.4970 ppm	0.4836 ppm	0.4975 ppm	0.5148 ppm	0.5092 ppm	0.5120 ppm
Concentration per Run 2	0.5389 ppm	0.4911 ppm	0.4867 ppm	0.4994 ppm	0.5065 ppm	0.5016 ppm	0.5022 ppm
Concentration per Run 3	0.5386 ppm	0.4796 ppm	0.4833 ppm	0.4980 ppm	0.5038 ppm	0.4995 ppm	0.5050 ppm
Recovery Percentage 1	107.767 %	97.846 %	96.909 %	99.666 %	101.676 %	100.686 %	101.279 %
Concentration RSD	0.0 %	1.8 %	0.4 %	0.2 %	1.1 %	1.0 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5088 ppm	0.5167 ppm	0.5207 ppm	0.5151 ppm	0.5172 ppm	5.1432 ppm	0.5190 ppm
Concentration per Run 1	0.5072 ppm	0.5151 ppm	0.5211 ppm	0.5142 ppm	0.5225 ppm	5.1938 ppm	0.5247 ppm
Concentration per Run 2	0.5099 ppm	0.5184 ppm	0.5207 ppm	0.5159 ppm	0.5150 ppm	5.1152 ppm	0.5178 ppm
Concentration per Run 3	0.5092 ppm	0.5165 ppm	0.5203 ppm	0.5153 ppm	0.5140 ppm	5.1207 ppm	0.5146 ppm
Recovery Percentage 1	101.756 %	103.332 %	104.137 %	103.025 %	103.435 %	102.865 %	103.803 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.9 %	0.9 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5206 ppm	0.5189 ppm	0.4912 ppm	10.3162 ppm	0.5097 ppm	0.5072 ppm	0.5378 ppm
Concentration per Run 1	0.5218 ppm	0.5236 ppm	0.4898 ppm	10.4360 ppm	0.5085 ppm	0.5058 ppm	0.5407 ppm
Concentration per Run 2	0.5230 ppm	0.5168 ppm	0.4938 ppm	10.2909 ppm	0.5114 ppm	0.5082 ppm	0.5407 ppm
Concentration per Run 3	0.5169 ppm	0.5163 ppm	0.4899 ppm	10.2218 ppm	0.5093 ppm	0.5076 ppm	0.5321 ppm
Recovery Percentage 1	104.113 %	103.779 %	98.237 %	103.162 %	101.947 %	101.437 %	107.561 %
Concentration RSD	0.6 %	0.8 %	0.5 %	1.1 %	0.3 %	0.2 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4851 ppm	5.4570 ppm	0.5026 ppm	0.5330 ppm	0.5113 ppm	0.5004 ppm	0.5139 ppm
Concentration per Run 1	0.4827 ppm	5.4443 ppm	0.5041 ppm	0.5387 ppm	0.5113 ppm	0.5023 ppm	0.5136 ppm
Concentration per Run 2	0.4865 ppm	5.4751 ppm	0.5034 ppm	0.5320 ppm	0.5118 ppm	0.5007 ppm	0.5144 ppm
Concentration per Run 3	0.4861 ppm	5.4517 ppm	0.5003 ppm	0.5282 ppm	0.5110 ppm	0.4983 ppm	0.5135 ppm
Recovery Percentage 1	97.021 %	103.944 %	100.520 %	106.592 %	102.269 %	100.084 %	102.771 %
Concentration RSD	0.4 %	0.3 %	0.4 %	1.0 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5112 ppm	98.4538 %	95.7053 %	95.0234 %	96.2073 %	97.5405 %	96.8088 %
Concentration per Run 1	0.5100 ppm	97.5291 %	95.6543 %	95.0564 %	95.4093 %	97.7863 %	96.7032 %
Concentration per Run 2	0.5119 ppm	99.2324 %	95.8717 %	94.7972 %	96.6662 %	97.1747 %	97.0299 %
Concentration per Run 3	0.5116 ppm	98.5998 %	95.5898 %	95.2166 %	96.5465 %	97.6603 %	96.6935 %
Recovery Percentage 1	102.238 %						
Concentration RSD	0.2 %	0.9 %	0.2 %	0.2 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 6:16:45 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0046 ppm	0.0016 ppm	0.0022 ppm	0.0000 ppm	0.0001 ppm	0.0066 ppm
Concentration per Run 1	-0.0001 ppm	-0.0044 ppm	0.0018 ppm	0.0025 ppm	0.0001 ppm	0.0001 ppm	0.0051 ppm
Concentration per Run 2	0.0003 ppm	-0.0087 ppm	0.0013 ppm	0.0024 ppm	-0.0001 ppm	0.0001 ppm	0.0081 ppm
Concentration per Run 3	-0.0002 ppm	-0.0007 ppm	0.0017 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0066 ppm
Recovery Percentage 1	-0.043 %	-4.579 %	31.711 %	7.362 %	0.289 %	1.154 %	6.583 %
Concentration RSD	7,542.1 %	87.4 %	18.0 %	18.3 %	499.8 %	42.5 %	22.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0004 ppm	0.0014 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0004 ppm	0.0024 ppm	-0.0012 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0003 ppm	-0.0007 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0014 ppm	-0.0021 ppm
Recovery Percentage 1	0.201 %	0.069 %	-1.923 %	2.705 %	-0.894 %	0.055 %	-11.577 %
Concentration RSD	551.7 %	61.4 %	118.1 %	30.9 %	49.2 %	74.9 %	81.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	0.0001 ppm	0.0026 ppm	0.0164 ppm	0.0001 ppm	0.0003 ppm	0.0027 ppm
Concentration per Run 1	0.0013 ppm	0.0002 ppm	0.0028 ppm	0.0165 ppm	0.0002 ppm	0.0003 ppm	0.0032 ppm
Concentration per Run 2	0.0018 ppm	0.0000 ppm	0.0026 ppm	0.0162 ppm	0.0000 ppm	0.0005 ppm	0.0028 ppm
Concentration per Run 3	0.0005 ppm	0.0000 ppm	0.0023 ppm	0.0165 ppm	0.0001 ppm	0.0000 ppm	0.0022 ppm
Recovery Percentage 1	1.180 %	1.107 %	5.163 %	0.820 %	0.312 %	2.856 %	5.477 %
Concentration RSD	54.7 %	106.7 %	10.2 %	1.1 %	150.6 %	81.8 %	17.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	-0.0035 ppm	0.0008 ppm	0.0000 ppm	0.0002 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 1	0.0010 ppm	-0.0033 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0022 ppm	0.0002 ppm
Concentration per Run 2	0.0005 ppm	-0.0038 ppm	0.0008 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0018 ppm	-0.0035 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0000 ppm
Recovery Percentage 1	11.189 %	-0.709 %	1.669 %	0.083 %	2.308 %	-6.288 %	0.779 %
Concentration RSD	60.6 %	6.2 %	16.2 %	414.5 %	63.5 %	81.0 %	158.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	98.1442 %	96.9356 %	95.9777 %	95.2129 %	98.9974 %	96.5254 %
Concentration per Run 1	-0.0002 ppm	98.1212 %	97.0155 %	95.8945 %	94.3877 %	98.8642 %	96.5631 %
Concentration per Run 2	-0.0002 ppm	97.9189 %	96.7908 %	95.9154 %	95.2333 %	99.2059 %	96.3469 %
Concentration per Run 3	-0.0002 ppm	98.3926 %	97.0004 %	96.1232 %	96.0177 %	98.9220 %	96.6661 %
Recovery Percentage 1	-4.217 %						
Concentration RSD	16.3 %	0.2 %	0.1 %	0.1 %	0.9 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-03 WG2082032
Analysis started at: 6/30/2025 6:34:14 PM
Comments <Comment>
Rack: 1
Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0010 ppm	0.0021 ppm	0.0381 ppm	0.0755 ppm	0.0000 ppm	47.1946 ppm
Concentration per Run 1	0.0003 ppm	0.0036 ppm	0.0006 ppm	0.0382 ppm	0.0762 ppm	0.0000 ppm	47.7365 ppm
Concentration per Run 2	-0.0004 ppm	-0.0015 ppm	0.0036 ppm	0.0383 ppm	0.0750 ppm	0.0000 ppm	46.9848 ppm
Concentration per Run 3	0.0000 ppm	0.0009 ppm	0.0021 ppm	0.0377 ppm	0.0754 ppm	0.0000 ppm	46.8625 ppm
Concentration RSD	1,654.2 %	248.8 %	72.0 %	0.8 %	0.8 %	90.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0007 ppm	0.0064 ppm	0.0009 ppm	9.5774 ppm	-0.0017 ppm
Concentration per Run 1	-0.0002 ppm	0.0003 ppm	0.0009 ppm	0.0064 ppm	0.0012 ppm	9.6773 ppm	-0.0017 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0065 ppm	0.0000 ppm	9.5515 ppm	-0.0020 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0063 ppm	0.0015 ppm	9.5034 ppm	-0.0014 ppm
Concentration RSD	4.8 %	28.2 %	36.3 %	1.9 %	90.0 %	0.9 %	17.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.1691 ppm	2.2537 ppm	0.0015 ppm	9.8454 ppm	0.0010 ppm	0.0007 ppm	0.0018 ppm
Concentration per Run 1	9.1625 ppm	2.2818 ppm	0.0016 ppm	9.9703 ppm	0.0011 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run 2	9.1661 ppm	2.2448 ppm	0.0016 ppm	9.8064 ppm	0.0010 ppm	0.0008 ppm	0.0015 ppm
Concentration per Run 3	9.1786 ppm	2.2347 ppm	0.0014 ppm	9.7594 ppm	0.0009 ppm	0.0010 ppm	0.0022 ppm
Concentration RSD	0.1 %	1.1 %	7.6 %	1.1 %	6.4 %	65.1 %	20.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	3.9515 ppm	0.0002 ppm	0.2121 ppm	0.0001 ppm	-0.0036 ppm	0.0026 ppm
Concentration per Run 1	-0.0002 ppm	3.9553 ppm	0.0004 ppm	0.2143 ppm	0.0000 ppm	-0.0027 ppm	0.0024 ppm
Concentration per Run 2	-0.0016 ppm	3.9446 ppm	-0.0002 ppm	0.2111 ppm	0.0002 ppm	-0.0035 ppm	0.0026 ppm
Concentration per Run 3	-0.0008 ppm	3.9546 ppm	0.0003 ppm	0.2110 ppm	0.0002 ppm	-0.0047 ppm	0.0028 ppm
Concentration RSD	82.9 %	0.2 %	214.7 %	0.9 %	58.3 %	27.8 %	7.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0113 ppm	100.0867 %	95.7700 %	94.4262 %	98.8498 %	95.1914 %	96.6387 %
Concentration per Run 1	0.0114 ppm	98.5697 %	95.9874 %	94.5754 %	97.3412 %	95.2874 %	96.8071 %
Concentration per Run 2	0.0113 ppm	100.3029 %	95.6079 %	94.5251 %	99.1380 %	95.2616 %	96.5855 %
Concentration per Run 3	0.0113 ppm	101.3875 %	95.7148 %	94.1782 %	100.0701 %	95.0251 %	96.5234 %
Concentration RSD	0.5 %	1.4 %	0.2 %	0.2 %	1.4 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-04 WG2082032
Analysis started at: 6/30/2025 6:40:34 PM
Comments <Comment>
Rack: 1
Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0014 ppm	0.0208 ppm	0.0397 ppm	0.0000 ppm	36.5471 ppm
Concentration per Run 1	0.0001 ppm	0.0030 ppm	0.0017 ppm	0.0207 ppm	0.0393 ppm	0.0001 ppm	36.2045 ppm
Concentration per Run 2	-0.0002 ppm	-0.0006 ppm	0.0022 ppm	0.0207 ppm	0.0398 ppm	0.0000 ppm	36.6619 ppm
Concentration per Run 3	-0.0002 ppm	-0.0003 ppm	0.0004 ppm	0.0209 ppm	0.0399 ppm	0.0000 ppm	36.7748 ppm
Concentration RSD	206.2 %	272.8 %	63.6 %	0.4 %	0.7 %	322.4 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0012 ppm	0.0024 ppm	0.0134 ppm	1.7235 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0024 ppm	0.0140 ppm	1.6992 ppm	-0.0016 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0013 ppm	0.0024 ppm	0.0131 ppm	1.7248 ppm	-0.0012 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0011 ppm	0.0024 ppm	0.0131 ppm	1.7466 ppm	-0.0006 ppm
Concentration RSD	25.5 %	36.9 %	7.3 %	0.4 %	3.6 %	1.4 %	44.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.6751 ppm	0.0049 ppm	0.0006 ppm	13.7251 ppm	0.0158 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 1	6.6676 ppm	0.0050 ppm	0.0008 ppm	13.6024 ppm	0.0155 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 2	6.6738 ppm	0.0049 ppm	0.0003 ppm	13.7626 ppm	0.0161 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 3	6.6838 ppm	0.0048 ppm	0.0007 ppm	13.8103 ppm	0.0158 ppm	0.0003 ppm	0.0013 ppm
Concentration RSD	0.1 %	1.4 %	45.0 %	0.8 %	2.0 %	485.1 %	106.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	5.9378 ppm	0.0000 ppm	0.1312 ppm	0.0002 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	5.9357 ppm	-0.0004 ppm	0.1300 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0008 ppm	5.9509 ppm	0.0003 ppm	0.1317 ppm	0.0002 ppm	-0.0013 ppm	0.0004 ppm
Concentration per Run 3	-0.0040 ppm	5.9269 ppm	0.0002 ppm	0.1319 ppm	0.0002 ppm	-0.0022 ppm	0.0000 ppm
Concentration RSD	1,282.4 %	0.2 %	2,133.4 %	0.8 %	15.7 %	94.0 %	157.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0047 ppm	101.4499 %	95.2919 %	94.3774 %	99.3547 %	95.8127 %	96.1842 %
Concentration per Run 1	0.0048 ppm	102.1938 %	95.1311 %	94.4520 %	100.1836 %	95.8569 %	96.0072 %
Concentration per Run 2	0.0047 ppm	101.8841 %	95.5822 %	94.4609 %	99.4509 %	95.6403 %	96.3799 %
Concentration per Run 3	0.0047 ppm	100.2718 %	95.1623 %	94.2194 %	98.4295 %	95.9409 %	96.1654 %
Concentration RSD	2.2 %	1.0 %	0.3 %	0.1 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-05 WG2082032
Analysis started at: 6/30/2025 6:46:54 PM
Comments <Comment>
Rack: 1
Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0024 ppm	-0.0019 ppm	0.0145 ppm	0.0235 ppm	0.0001 ppm	14.2962 ppm
Concentration per Run 1	0.0000 ppm	0.0043 ppm	-0.0021 ppm	0.0144 ppm	0.0238 ppm	0.0001 ppm	14.3435 ppm
Concentration per Run 2	-0.0005 ppm	-0.0082 ppm	-0.0013 ppm	0.0143 ppm	0.0235 ppm	0.0001 ppm	14.3074 ppm
Concentration per Run 3	0.0000 ppm	-0.0033 ppm	-0.0024 ppm	0.0146 ppm	0.0233 ppm	0.0001 ppm	14.2379 ppm
Concentration RSD	204.7 %	266.3 %	28.9 %	1.2 %	1.0 %	26.2 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0049 ppm	0.0012 ppm	0.0052 ppm	0.4690 ppm	1.2436 ppm	0.0027 ppm
Concentration per Run 1	0.0000 ppm	0.0050 ppm	0.0012 ppm	0.0052 ppm	0.4694 ppm	1.2617 ppm	0.0026 ppm
Concentration per Run 2	0.0000 ppm	0.0050 ppm	0.0012 ppm	0.0051 ppm	0.4691 ppm	1.2588 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	0.0049 ppm	0.0012 ppm	0.0053 ppm	0.4683 ppm	1.2105 ppm	0.0030 ppm
Concentration RSD	19.3 %	1.3 %	2.8 %	1.7 %	0.1 %	2.3 %	11.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.3466 ppm	0.0322 ppm	0.0004 ppm	14.7278 ppm	0.0062 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 1	6.3379 ppm	0.0322 ppm	0.0004 ppm	14.7574 ppm	0.0064 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 2	6.3481 ppm	0.0323 ppm	0.0004 ppm	14.7355 ppm	0.0062 ppm	0.0005 ppm	0.0023 ppm
Concentration per Run 3	6.3538 ppm	0.0321 ppm	0.0003 ppm	14.6905 ppm	0.0060 ppm	0.0005 ppm	0.0004 ppm
Concentration RSD	0.1 %	0.3 %	16.2 %	0.2 %	3.6 %	77.2 %	86.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	10.7884 ppm	-0.0008 ppm	0.0812 ppm	0.0002 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0004 ppm	10.7833 ppm	-0.0012 ppm	0.0815 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	-0.0006 ppm	10.7914 ppm	-0.0007 ppm	0.0812 ppm	0.0000 ppm	-0.0015 ppm	0.0004 ppm
Concentration per Run 3	0.0021 ppm	10.7906 ppm	-0.0004 ppm	0.0811 ppm	0.0002 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	217.5 %	0.0 %	51.8 %	0.3 %	81.5 %	125.8 %	65.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0220 ppm	99.4680 %	96.2933 %	95.4506 %	98.2467 %	97.9771 %	97.6844 %
Concentration per Run 1	0.0221 ppm	98.7830 %	96.4043 %	95.3902 %	97.8149 %	97.9963 %	97.8023 %
Concentration per Run 2	0.0220 ppm	99.5954 %	96.3039 %	95.3031 %	98.1575 %	97.7966 %	97.7300 %
Concentration per Run 3	0.0219 ppm	100.0255 %	96.1717 %	95.6585 %	98.7677 %	98.1384 %	97.5208 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.2 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-06 WG2082032
Analysis started at: 6/30/2025 6:53:14 PM
Comments <Comment>
Rack: 1
Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0039 ppm	0.0002 ppm	0.0157 ppm	0.0404 ppm	0.0000 ppm	16.7567 ppm
Concentration per Run 1	-0.0001 ppm	0.0013 ppm	0.0022 ppm	0.0161 ppm	0.0402 ppm	0.0000 ppm	16.6961 ppm
Concentration per Run 2	0.0002 ppm	0.0052 ppm	-0.0001 ppm	0.0153 ppm	0.0406 ppm	0.0000 ppm	16.8141 ppm
Concentration per Run 3	0.0004 ppm	0.0053 ppm	-0.0014 ppm	0.0158 ppm	0.0404 ppm	0.0001 ppm	16.7600 ppm
Concentration RSD	163.0 %	58.5 %	793.1 %	2.5 %	0.5 %	121.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0081 ppm	0.0014 ppm	2.0837 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0079 ppm	0.0004 ppm	2.0696 ppm	-0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0083 ppm	0.0021 ppm	2.1018 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0081 ppm	0.0019 ppm	2.0797 ppm	-0.0008 ppm
Concentration RSD	46.7 %	197.9 %	16.0 %	2.0 %	63.0 %	0.8 %	37.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9042 ppm	0.0023 ppm	0.0003 ppm	14.0298 ppm	0.0008 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run 1	4.9065 ppm	0.0022 ppm	0.0002 ppm	13.9692 ppm	0.0006 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	4.8917 ppm	0.0023 ppm	0.0003 ppm	14.1188 ppm	0.0011 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 3	4.9146 ppm	0.0025 ppm	0.0005 ppm	14.0013 ppm	0.0008 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	0.2 %	4.5 %	47.8 %	0.6 %	32.2 %	63.3 %	69.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	6.7787 ppm	-0.0001 ppm	0.0829 ppm	0.0002 ppm	-0.0025 ppm	0.0003 ppm
Concentration per Run 1	0.0009 ppm	6.7826 ppm	-0.0006 ppm	0.0824 ppm	0.0002 ppm	-0.0031 ppm	0.0002 ppm
Concentration per Run 2	0.0011 ppm	6.7762 ppm	0.0003 ppm	0.0834 ppm	0.0001 ppm	-0.0011 ppm	0.0005 ppm
Concentration per Run 3	0.0010 ppm	6.7775 ppm	0.0000 ppm	0.0830 ppm	0.0002 ppm	-0.0032 ppm	0.0003 ppm
Concentration RSD	13.0 %	0.0 %	454.5 %	0.6 %	22.7 %	48.8 %	58.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0163 ppm	99.4964 %	96.1148 %	95.0499 %	98.7280 %	97.6802 %	97.9524 %
Concentration per Run 1	0.0163 ppm	100.4766 %	95.9949 %	94.9618 %	99.2308 %	97.5847 %	97.9768 %
Concentration per Run 2	0.0162 ppm	99.2303 %	96.2492 %	95.1538 %	98.1581 %	97.7667 %	98.1517 %
Concentration per Run 3	0.0164 ppm	98.7824 %	96.1002 %	95.0341 %	98.7950 %	97.6891 %	97.7288 %
Concentration RSD	0.7 %	0.9 %	0.1 %	0.1 %	0.5 %	0.1 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-07 WG2082032
Analysis started at: 6/30/2025 6:59:35 PM
Comments <Comment>
Rack: 1
Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0055 ppm	0.0015 ppm	0.0187 ppm	0.0389 ppm	0.0001 ppm	12.4000 ppm
Concentration per Run 1	-0.0002 ppm	0.0056 ppm	0.0015 ppm	0.0188 ppm	0.0381 ppm	0.0000 ppm	12.1206 ppm
Concentration per Run 2	-0.0001 ppm	0.0057 ppm	0.0004 ppm	0.0187 ppm	0.0391 ppm	0.0000 ppm	12.4880 ppm
Concentration per Run 3	0.0001 ppm	0.0053 ppm	0.0027 ppm	0.0187 ppm	0.0396 ppm	0.0001 ppm	12.5915 ppm
Concentration RSD	269.0 %	3.9 %	73.1 %	0.2 %	2.0 %	56.1 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0076 ppm	0.0018 ppm	2.0418 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0078 ppm	0.0019 ppm	1.9919 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0076 ppm	0.0008 ppm	2.0440 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0012 ppm	0.0076 ppm	0.0028 ppm	2.0894 ppm	-0.0012 ppm
Concentration RSD	39.9 %	559.0 %	41.6 %	1.3 %	54.6 %	2.4 %	32.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0805 ppm	0.0020 ppm	0.0002 ppm	12.6563 ppm	0.0005 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run 1	4.0677 ppm	0.0016 ppm	0.0001 ppm	12.3408 ppm	0.0004 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run 2	4.0895 ppm	0.0023 ppm	0.0001 ppm	12.7679 ppm	0.0005 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	4.0844 ppm	0.0021 ppm	0.0002 ppm	12.8603 ppm	0.0006 ppm	0.0002 ppm	0.0017 ppm
Concentration RSD	0.3 %	17.6 %	52.1 %	2.2 %	22.6 %	68.6 %	70.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	6.4296 ppm	-0.0001 ppm	0.0715 ppm	0.0003 ppm	-0.0020 ppm	0.0002 ppm
Concentration per Run 1	-0.0003 ppm	6.4399 ppm	0.0000 ppm	0.0695 ppm	0.0004 ppm	-0.0019 ppm	0.0000 ppm
Concentration per Run 2	0.0022 ppm	6.4298 ppm	-0.0004 ppm	0.0721 ppm	0.0002 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0011 ppm	6.4191 ppm	0.0001 ppm	0.0729 ppm	0.0002 ppm	-0.0033 ppm	0.0003 ppm
Concentration RSD	120.9 %	0.2 %	207.9 %	2.5 %	26.8 %	57.6 %	79.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0138 ppm	102.1005 %	96.0938 %	95.1369 %	101.5656 %	98.3187 %	97.9812 %
Concentration per Run 1	0.0140 ppm	104.0519 %	96.2636 %	95.0994 %	103.8283 %	98.1197 %	98.2187 %
Concentration per Run 2	0.0138 ppm	101.7101 %	95.9194 %	95.0538 %	100.8648 %	98.2586 %	97.7424 %
Concentration per Run 3	0.0137 ppm	100.5393 %	96.0985 %	95.2576 %	100.0037 %	98.5779 %	97.9824 %
Concentration RSD	1.2 %	1.8 %	0.2 %	0.1 %	2.0 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 7:05:56 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5347 ppm	0.4923 ppm	0.4834 ppm	0.4977 ppm	0.5099 ppm	0.4976 ppm	0.5064 ppm
Concentration per Run 1	0.5358 ppm	0.4900 ppm	0.4831 ppm	0.4973 ppm	0.5096 ppm	0.4971 ppm	0.5097 ppm
Concentration per Run 2	0.5337 ppm	0.5036 ppm	0.4852 ppm	0.4981 ppm	0.5106 ppm	0.4979 ppm	0.5052 ppm
Concentration per Run 3	0.5347 ppm	0.4832 ppm	0.4819 ppm	0.4977 ppm	0.5093 ppm	0.4978 ppm	0.5043 ppm
Recovery Percentage 1	106.950 %	98.459 %	96.680 %	99.541 %	101.972 %	99.525 %	101.281 %
Concentration RSD	0.2 %	2.1 %	0.3 %	0.1 %	0.1 %	0.1 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5094 ppm	0.5178 ppm	0.5214 ppm	0.5173 ppm	0.5168 ppm	5.2704 ppm	0.5128 ppm
Concentration per Run 1	0.5087 ppm	0.5169 ppm	0.5227 ppm	0.5168 ppm	0.5187 ppm	5.2767 ppm	0.5142 ppm
Concentration per Run 2	0.5101 ppm	0.5192 ppm	0.5196 ppm	0.5183 ppm	0.5150 ppm	5.2910 ppm	0.5137 ppm
Concentration per Run 3	0.5093 ppm	0.5174 ppm	0.5219 ppm	0.5169 ppm	0.5168 ppm	5.2436 ppm	0.5106 ppm
Recovery Percentage 1	101.872 %	103.561 %	104.283 %	103.469 %	103.365 %	105.409 %	102.566 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.2 %	0.4 %	0.5 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5168 ppm	0.5150 ppm	0.4820 ppm	10.1283 ppm	0.5087 ppm	0.5056 ppm	0.5183 ppm
Concentration per Run 1	0.5186 ppm	0.5144 ppm	0.4803 ppm	10.1319 ppm	0.5081 ppm	0.5065 ppm	0.5187 ppm
Concentration per Run 2	0.5139 ppm	0.5146 ppm	0.4832 ppm	10.1157 ppm	0.5093 ppm	0.5050 ppm	0.5191 ppm
Concentration per Run 3	0.5180 ppm	0.5158 ppm	0.4824 ppm	10.1372 ppm	0.5087 ppm	0.5054 ppm	0.5172 ppm
Recovery Percentage 1	103.363 %	102.991 %	96.390 %	101.283 %	101.736 %	101.129 %	103.668 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.1 %	0.1 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4820 ppm	5.4604 ppm	0.4962 ppm	0.5270 ppm	0.5072 ppm	0.4966 ppm	0.5124 ppm
Concentration per Run 1	0.4816 ppm	5.4536 ppm	0.4966 ppm	0.5271 ppm	0.5078 ppm	0.4951 ppm	0.5132 ppm
Concentration per Run 2	0.4829 ppm	5.4741 ppm	0.4968 ppm	0.5271 ppm	0.5076 ppm	0.4959 ppm	0.5112 ppm
Concentration per Run 3	0.4814 ppm	5.4534 ppm	0.4953 ppm	0.5267 ppm	0.5063 ppm	0.4988 ppm	0.5127 ppm
Recovery Percentage 1	96.395 %	104.007 %	99.245 %	105.391 %	101.443 %	99.314 %	102.477 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.0 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5097 ppm	97.0529 %	95.7756 %	95.0218 %	97.5310 %	97.9564 %	97.7461 %
Concentration per Run 1	0.5095 ppm	96.9481 %	95.6286 %	95.0129 %	97.4946 %	97.9836 %	97.4949 %
Concentration per Run 2	0.5100 ppm	97.1228 %	96.0359 %	94.7860 %	98.0497 %	97.7618 %	98.0407 %
Concentration per Run 3	0.5098 ppm	97.0878 %	95.6625 %	95.2666 %	97.0486 %	98.1237 %	97.7029 %
Recovery Percentage 1	101.948 %						
Concentration RSD	0.1 %	0.1 %	0.2 %	0.3 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 7:12:03 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0053 ppm	0.0006 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run 1	0.0007 ppm	-0.0041 ppm	0.0006 ppm	0.0012 ppm	-0.0001 ppm	0.0001 ppm	0.0071 ppm
Concentration per Run 2	0.0002 ppm	0.0021 ppm	0.0002 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 3	0.0002 ppm	-0.0138 ppm	0.0010 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0028 ppm
Recovery Percentage 1	5.024 %	-5.270 %	11.577 %	4.626 %	0.207 %	1.227 %	4.605 %
Concentration RSD	77.2 %	151.6 %	70.9 %	14.5 %	402.8 %	0.8 %	48.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	-0.0008 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0007 ppm	-0.0104 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0011 ppm	-0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0007 ppm	0.0090 ppm	-0.0010 ppm
Recovery Percentage 1	-0.411 %	0.261 %	0.524 %	-1.203 %	-0.863 %	-0.034 %	-12.140 %
Concentration RSD	225.7 %	36.6 %	106.4 %	96.7 %	90.4 %	1,151.8 %	34.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0014 ppm	0.0141 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 1	0.0005 ppm	-0.0002 ppm	0.0015 ppm	0.0120 ppm	0.0004 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 2	-0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0141 ppm	0.0001 ppm	-0.0004 ppm	0.0008 ppm
Concentration per Run 3	-0.0006 ppm	-0.0001 ppm	0.0011 ppm	0.0162 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm
Recovery Percentage 1	-0.173 %	-1.290 %	2.715 %	0.704 %	0.568 %	-0.729 %	1.513 %
Concentration RSD	360.7 %	35.0 %	13.9 %	15.0 %	142.7 %	600.0 %	51.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	-0.0039 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 1	0.0033 ppm	-0.0038 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 2	0.0025 ppm	-0.0043 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0032 ppm	0.0003 ppm
Concentration per Run 3	0.0003 ppm	-0.0036 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage 1	20.297 %	-0.783 %	0.133 %	1.026 %	2.070 %	-6.877 %	2.016 %
Concentration RSD	78.2 %	8.8 %	486.5 %	42.5 %	59.1 %	113.3 %	29.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	97.8204 %	97.9131 %	97.0153 %	96.5684 %	100.5266 %	98.8840 %
Concentration per Run 1	-0.0001 ppm	95.7324 %	97.7222 %	97.0515 %	94.9597 %	100.5378 %	98.8622 %
Concentration per Run 2	-0.0002 ppm	98.6723 %	97.9751 %	97.0520 %	97.2055 %	100.6356 %	98.9613 %
Concentration per Run 3	-0.0002 ppm	99.0564 %	98.0419 %	96.9424 %	97.5400 %	100.4063 %	98.8286 %
Recovery Percentage 1	-3.492 %						
Concentration RSD	30.6 %	1.9 %	0.2 %	0.1 %	1.5 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-1 WG2082283
Analysis started at: 6/30/2025 7:49:53 PM
Comments <Comment>
Rack: 1
Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0028 ppm	0.0012 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run 1	-0.0001 ppm	0.0028 ppm	0.0013 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0168 ppm
Concentration per Run 2	0.0001 ppm	-0.0047 ppm	0.0020 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0124 ppm
Concentration per Run 3	-0.0004 ppm	-0.0067 ppm	0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0164 ppm
Recovery Percentage 1	-2.153 %	-2.845 %	23.043 %	3.569 %	0.708 %	-0.350 %	15.180 %
Concentration RSD	141.0 %	176.6 %	82.0 %	17.6 %	104.1 %	156.9 %	16.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0139 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0123 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0225 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0068 ppm	-0.0015 ppm
Recovery Percentage 1	-0.954 %	-0.149 %	0.756 %	-1.042 %	0.514 %	-0.554 %	-10.949 %
Concentration RSD	64.0 %	117.2 %	97.7 %	100.6 %	428.1 %	57.6 %	41.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0042 ppm	-0.0001 ppm	0.0004 ppm	0.0046 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0033 ppm	-0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run 2	0.0053 ppm	-0.0002 ppm	0.0003 ppm	0.0075 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run 3	0.0040 ppm	-0.0001 ppm	0.0004 ppm	0.0059 ppm	0.0003 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage 1	4.201 %	-1.246 %	0.748 %	0.230 %	0.949 %	0.467 %	0.841 %
Concentration RSD	24.4 %	51.5 %	16.5 %	81.7 %	47.7 %	815.8 %	172.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.0092 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0022 ppm	0.0094 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0017 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	0.0088 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 3	-0.0013 ppm	0.0093 ppm	-0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm
Recovery Percentage 1	5.893 %	1.836 %	-0.746 %	0.740 %	1.120 %	-3.566 %	0.634 %
Concentration RSD	302.3 %	3.3 %	92.9 %	87.2 %	88.2 %	150.6 %	111.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	100.5767 %	98.6706 %	96.9336 %	100.2556 %	101.1773 %	99.8245 %
Concentration per Run 1	0.0005 ppm	100.5878 %	98.6179 %	97.1680 %	100.4198 %	101.3948 %	99.7112 %
Concentration per Run 2	0.0007 ppm	100.2698 %	98.8704 %	96.8883 %	100.1661 %	101.0353 %	99.8797 %
Concentration per Run 3	0.0007 ppm	100.8725 %	98.5235 %	96.7444 %	100.1809 %	101.1018 %	99.8826 %
Recovery Percentage 1	12.974 %						
Concentration RSD	17.5 %	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-2 WG2082283
Analysis started at: 6/30/2025 7:56:17 PM
Comments <Comment>
Rack: 1
Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0611 ppm	2.3945 ppm	0.1224 ppm	1.0205 ppm	2.3563 ppm	0.0568 ppm	10.6800 ppm
Concentration per Run 1	0.0609 ppm	2.4209 ppm	0.1232 ppm	1.0192 ppm	2.3613 ppm	0.0573 ppm	10.7484 ppm
Concentration per Run 2	0.0610 ppm	2.3764 ppm	0.1224 ppm	1.0202 ppm	2.3238 ppm	0.0567 ppm	10.6454 ppm
Concentration per Run 3	0.0614 ppm	2.3863 ppm	0.1217 ppm	1.0222 ppm	2.3839 ppm	0.0565 ppm	10.6461 ppm
Concentration RSD	0.5 %	1.0 %	0.6 %	0.1 %	1.3 %	0.8 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0549 ppm	0.5683 ppm	0.2332 ppm	0.2888 ppm	1.1922 ppm	11.2221 ppm	-0.0016 ppm
Concentration per Run 1	0.0549 ppm	0.5677 ppm	0.2338 ppm	0.2885 ppm	1.2039 ppm	11.3279 ppm	-0.0015 ppm
Concentration per Run 2	0.0549 ppm	0.5686 ppm	0.2326 ppm	0.2886 ppm	1.1876 ppm	11.1633 ppm	-0.0023 ppm
Concentration per Run 3	0.0549 ppm	0.5687 ppm	0.2332 ppm	0.2894 ppm	1.1851 ppm	11.1751 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	0.9 %	0.8 %	34.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.4191 ppm	0.5805 ppm	0.9766 ppm	11.0432 ppm	0.5625 ppm	0.5453 ppm	0.4511 ppm
Concentration per Run 1	10.4064 ppm	0.5859 ppm	0.9744 ppm	11.1473 ppm	0.5617 ppm	0.5449 ppm	0.4416 ppm
Concentration per Run 2	10.4187 ppm	0.5788 ppm	0.9767 ppm	11.0035 ppm	0.5631 ppm	0.5441 ppm	0.4501 ppm
Concentration per Run 3	10.4322 ppm	0.5769 ppm	0.9788 ppm	10.9788 ppm	0.5628 ppm	0.5468 ppm	0.4616 ppm
Concentration RSD	0.1 %	0.8 %	0.2 %	0.8 %	0.1 %	0.3 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1188 ppm	1.1962 ppm	0.9760 ppm	1.1149 ppm	1.0473 ppm	0.1176 ppm	0.5794 ppm
Concentration per Run 1	0.1198 ppm	1.1950 ppm	0.9766 ppm	1.1257 ppm	1.0461 ppm	0.1164 ppm	0.5785 ppm
Concentration per Run 2	0.1173 ppm	1.1959 ppm	0.9765 ppm	1.1093 ppm	1.0469 ppm	0.1188 ppm	0.5801 ppm
Concentration per Run 3	0.1192 ppm	1.1978 ppm	0.9750 ppm	1.1097 ppm	1.0489 ppm	0.1176 ppm	0.5795 ppm
Concentration RSD	1.1 %	0.1 %	0.1 %	0.8 %	0.1 %	1.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5675 ppm	96.2425 %	95.2783 %	94.4574 %	96.6894 %	97.5199 %	97.8284 %
Concentration per Run 1	0.5678 ppm	95.8166 %	95.3668 %	94.4377 %	96.2564 %	97.6462 %	97.9774 %
Concentration per Run 2	0.5684 ppm	96.6100 %	95.1052 %	94.3706 %	96.7302 %	97.4139 %	97.7664 %
Concentration per Run 3	0.5662 ppm	96.3008 %	95.3630 %	94.5639 %	97.0815 %	97.4996 %	97.7413 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.1 %	0.4 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536229-01 WG2082283
Analysis started at: 6/30/2025 8:02:32 PM
Comments <Comment>
Rack: 2
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0974 ppm	0.0021 ppm	0.0367 ppm	0.0269 ppm	0.0001 ppm	23.7392 ppm
Concentration per Run 1	0.0000 ppm	0.0934 ppm	0.0030 ppm	0.0364 ppm	0.0269 ppm	0.0001 ppm	23.7938 ppm
Concentration per Run 2	-0.0004 ppm	0.1007 ppm	0.0014 ppm	0.0369 ppm	0.0268 ppm	0.0000 ppm	23.7262 ppm
Concentration per Run 3	-0.0001 ppm	0.0981 ppm	0.0020 ppm	0.0368 ppm	0.0269 ppm	0.0001 ppm	23.6976 ppm
Concentration RSD	130.0 %	3.8 %	35.8 %	0.7 %	0.2 %	22.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0689 ppm	0.4189 ppm	20.2288 ppm	0.0045 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0011 ppm	0.0688 ppm	0.4210 ppm	20.2440 ppm	0.0052 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0688 ppm	0.4181 ppm	20.2588 ppm	0.0045 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0692 ppm	0.4177 ppm	20.1837 ppm	0.0038 ppm
Concentration RSD	55.8 %	18.8 %	9.1 %	0.3 %	0.4 %	0.2 %	15.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.6300 ppm	0.0358 ppm	0.0065 ppm	147.9695 ppm	0.0031 ppm	0.0006 ppm	0.0189 ppm
Concentration per Run 1	4.6217 ppm	0.0361 ppm	0.0071 ppm	148.3761 ppm	0.0029 ppm	0.0000 ppm	0.0199 ppm
Concentration per Run 2	4.6429 ppm	0.0358 ppm	0.0065 ppm	147.9697 ppm	0.0031 ppm	0.0007 ppm	0.0200 ppm
Concentration per Run 3	4.6255 ppm	0.0356 ppm	0.0060 ppm	147.5625 ppm	0.0034 ppm	0.0011 ppm	0.0167 ppm
Concentration RSD	0.2 %	0.6 %	8.5 %	0.3 %	9.3 %	95.8 %	9.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	2.0360 ppm	0.0034 ppm	0.1190 ppm	0.0021 ppm	-0.0016 ppm	0.0008 ppm
Concentration per Run 1	0.0005 ppm	2.0361 ppm	0.0039 ppm	0.1198 ppm	0.0022 ppm	-0.0032 ppm	0.0007 ppm
Concentration per Run 2	0.0018 ppm	2.0342 ppm	0.0029 ppm	0.1186 ppm	0.0022 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run 3	0.0040 ppm	2.0375 ppm	0.0034 ppm	0.1186 ppm	0.0018 ppm	-0.0009 ppm	0.0007 ppm
Concentration RSD	83.2 %	0.1 %	14.4 %	0.6 %	9.7 %	81.0 %	7.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0788 ppm	98.7721 %	91.3710 %	90.5047 %	98.2387 %	87.1950 %	91.7388 %
Concentration per Run 1	0.0787 ppm	99.0217 %	91.2611 %	90.3095 %	98.1852 %	87.3101 %	91.8806 %
Concentration per Run 2	0.0787 ppm	98.4696 %	91.4696 %	90.8543 %	98.1940 %	87.2939 %	91.6176 %
Concentration per Run 3	0.0788 ppm	98.8250 %	91.3824 %	90.3503 %	98.3370 %	86.9809 %	91.7183 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.3 %	0.1 %	0.2 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-02 WG2082283
Analysis started at: 6/30/2025 8:09:01 PM
Comments <Comment>
Rack: 2
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0029 ppm	0.0007 ppm	0.0162 ppm	0.0431 ppm	0.0000 ppm	21.8594 ppm
Concentration per Run 1	-0.0002 ppm	-0.0002 ppm	-0.0006 ppm	0.0166 ppm	0.0424 ppm	0.0000 ppm	21.5119 ppm
Concentration per Run 2	-0.0001 ppm	0.0026 ppm	0.0012 ppm	0.0158 ppm	0.0435 ppm	0.0000 ppm	21.9483 ppm
Concentration per Run 3	-0.0001 ppm	0.0064 ppm	0.0016 ppm	0.0162 ppm	0.0435 ppm	0.0000 ppm	22.1180 ppm
Concentration RSD	31.9 %	113.5 %	163.0 %	2.4 %	1.5 %	30.2 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0025 ppm	0.0003 ppm	0.0481 ppm	1.2505 ppm	-0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0025 ppm	0.0002 ppm	0.0469 ppm	1.2258 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0025 ppm	0.0003 ppm	0.0471 ppm	1.2647 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0025 ppm	0.0002 ppm	0.0502 ppm	1.2610 ppm	-0.0005 ppm
Concentration RSD	23.4 %	135.5 %	0.5 %	15.0 %	3.8 %	1.7 %	22.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0319 ppm	0.0029 ppm	0.0019 ppm	11.2153 ppm	0.0269 ppm	0.0008 ppm	0.0060 ppm
Concentration per Run 1	5.0213 ppm	0.0029 ppm	0.0020 ppm	11.0313 ppm	0.0270 ppm	0.0008 ppm	0.0050 ppm
Concentration per Run 2	5.0370 ppm	0.0030 ppm	0.0018 ppm	11.2937 ppm	0.0270 ppm	0.0011 ppm	0.0070 ppm
Concentration per Run 3	5.0374 ppm	0.0030 ppm	0.0018 ppm	11.3210 ppm	0.0269 ppm	0.0004 ppm	0.0061 ppm
Concentration RSD	0.2 %	2.1 %	5.1 %	1.4 %	0.3 %	42.9 %	16.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	6.1542 ppm	0.0005 ppm	0.1005 ppm	0.0006 ppm	-0.0012 ppm	0.0004 ppm
Concentration per Run 1	0.0014 ppm	6.1584 ppm	0.0005 ppm	0.0987 ppm	0.0004 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 2	0.0012 ppm	6.1539 ppm	0.0007 ppm	0.1013 ppm	0.0007 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 3	-0.0015 ppm	6.1503 ppm	0.0004 ppm	0.1015 ppm	0.0005 ppm	-0.0012 ppm	0.0002 ppm
Concentration RSD	457.4 %	0.1 %	25.6 %	1.6 %	26.4 %	83.2 %	40.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	100.6285 %	96.1440 %	95.1531 %	101.9275 %	98.2286 %	98.7163 %
Concentration per Run 1	0.0023 ppm	102.5792 %	96.2242 %	95.0433 %	103.4540 %	98.0854 %	98.7696 %
Concentration per Run 2	0.0024 ppm	100.5990 %	96.2129 %	95.1323 %	101.7204 %	98.2722 %	98.7500 %
Concentration per Run 3	0.0025 ppm	98.7072 %	95.9948 %	95.2837 %	100.6081 %	98.3280 %	98.6293 %
Concentration RSD	2.8 %	1.9 %	0.1 %	0.1 %	1.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-03 WG2082283
Analysis started at: 6/30/2025 8:15:22 PM
Comments <Comment>
Rack: 2
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0080 ppm	0.0000 ppm	0.0386 ppm	0.0778 ppm	0.0001 ppm	48.2047 ppm
Concentration per Run 1	-0.0003 ppm	0.0037 ppm	-0.0002 ppm	0.0387 ppm	0.0774 ppm	0.0000 ppm	47.8529 ppm
Concentration per Run 2	-0.0001 ppm	0.0078 ppm	-0.0006 ppm	0.0387 ppm	0.0780 ppm	0.0000 ppm	48.4601 ppm
Concentration per Run 3	0.0002 ppm	0.0124 ppm	0.0007 ppm	0.0384 ppm	0.0780 ppm	0.0001 ppm	48.3011 ppm
Concentration RSD	408.4 %	54.4 %	1,345.8 %	0.5 %	0.5 %	38.4 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0005 ppm	0.0014 ppm	0.0021 ppm	10.0302 ppm	-0.0012 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0013 ppm	0.0017 ppm	10.0135 ppm	-0.0014 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0012 ppm	0.0022 ppm	10.0468 ppm	-0.0004 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0016 ppm	0.0023 ppm	10.0303 ppm	-0.0018 ppm
Concentration RSD	8.2 %	44.1 %	41.3 %	13.4 %	15.7 %	0.2 %	58.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.2331 ppm	2.2873 ppm	0.0015 ppm	9.7571 ppm	0.0008 ppm	0.0008 ppm	0.0022 ppm
Concentration per Run 1	9.2275 ppm	2.2756 ppm	0.0015 ppm	9.7240 ppm	0.0008 ppm	0.0008 ppm	0.0027 ppm
Concentration per Run 2	9.2421 ppm	2.2980 ppm	0.0015 ppm	9.7858 ppm	0.0007 ppm	0.0009 ppm	0.0011 ppm
Concentration per Run 3	9.2298 ppm	2.2883 ppm	0.0015 ppm	9.7614 ppm	0.0008 ppm	0.0006 ppm	0.0027 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.3 %	9.9 %	18.9 %	42.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	4.0322 ppm	-0.0001 ppm	0.2162 ppm	0.0004 ppm	-0.0036 ppm	0.0025 ppm
Concentration per Run 1	-0.0008 ppm	4.0336 ppm	0.0001 ppm	0.2157 ppm	0.0005 ppm	-0.0038 ppm	0.0027 ppm
Concentration per Run 2	-0.0012 ppm	4.0298 ppm	-0.0003 ppm	0.2170 ppm	0.0000 ppm	-0.0032 ppm	0.0026 ppm
Concentration per Run 3	-0.0025 ppm	4.0332 ppm	0.0000 ppm	0.2159 ppm	0.0006 ppm	-0.0040 ppm	0.0024 ppm
Concentration RSD	60.6 %	0.1 %	248.9 %	0.3 %	86.9 %	12.1 %	4.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	97.7554 %	94.4079 %	93.1787 %	99.6602 %	95.5754 %	97.5320 %
Concentration per Run 1	0.0006 ppm	98.3453 %	94.4123 %	93.1823 %	100.2420 %	95.4062 %	97.3852 %
Concentration per Run 2	0.0006 ppm	97.4350 %	94.3311 %	93.0547 %	99.0962 %	95.6029 %	97.5122 %
Concentration per Run 3	0.0006 ppm	97.4859 %	94.4804 %	93.2992 %	99.6424 %	95.7171 %	97.6987 %
Concentration RSD	1.5 %	0.5 %	0.1 %	0.1 %	0.6 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-01 WG2082283
Analysis started at: 6/30/2025 8:21:44 PM
Comments <Comment>
Rack: 1
Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0045 ppm	0.0006 ppm	0.0203 ppm	0.0231 ppm	0.0000 ppm	32.5359 ppm
Concentration per Run 1	0.0003 ppm	0.0004 ppm	0.0008 ppm	0.0200 ppm	0.0231 ppm	0.0000 ppm	32.4846 ppm
Concentration per Run 2	0.0000 ppm	0.0094 ppm	0.0000 ppm	0.0203 ppm	0.0231 ppm	0.0000 ppm	32.5873 ppm
Concentration per Run 3	-0.0004 ppm	0.0036 ppm	0.0011 ppm	0.0205 ppm	0.0231 ppm	0.0000 ppm	32.5357 ppm
Concentration RSD	831.5 %	101.8 %	86.3 %	1.3 %	0.1 %	69.4 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm	0.0096 ppm	1.2963 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0001 ppm	0.0105 ppm	1.3093 ppm	-0.0021 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0096 ppm	1.2686 ppm	-0.0003 ppm
Concentration per Run 3	-0.0002 ppm	0.0001 ppm	0.0009 ppm	0.0001 ppm	0.0088 ppm	1.3111 ppm	-0.0012 ppm
Concentration RSD	11.9 %	116.0 %	12.9 %	22.3 %	9.1 %	1.9 %	74.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.0233 ppm	0.0034 ppm	0.0006 ppm	10.0749 ppm	0.0168 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run 1	7.0225 ppm	0.0035 ppm	0.0006 ppm	10.0805 ppm	0.0170 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 2	7.0195 ppm	0.0033 ppm	0.0006 ppm	10.0864 ppm	0.0167 ppm	-0.0001 ppm	0.0025 ppm
Concentration per Run 3	7.0279 ppm	0.0033 ppm	0.0008 ppm	10.0579 ppm	0.0169 ppm	0.0012 ppm	0.0015 ppm
Concentration RSD	0.1 %	3.6 %	18.2 %	0.1 %	0.9 %	155.0 %	80.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	3.9086 ppm	0.0000 ppm	0.1155 ppm	0.0003 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	3.9019 ppm	0.0007 ppm	0.1156 ppm	0.0004 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run 2	-0.0021 ppm	3.9080 ppm	-0.0006 ppm	0.1156 ppm	0.0001 ppm	-0.0022 ppm	0.0005 ppm
Concentration per Run 3	0.0003 ppm	3.9158 ppm	-0.0002 ppm	0.1153 ppm	0.0004 ppm	-0.0015 ppm	0.0005 ppm
Concentration RSD	207.8 %	0.2 %	1,999.4 %	0.2 %	45.3 %	216.4 %	11.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.0475 %	95.2390 %	94.1479 %	99.7208 %	97.2770 %	97.9164 %
Concentration per Run 1	0.0010 ppm	98.0704 %	95.1717 %	94.1311 %	99.7078 %	97.3332 %	97.7846 %
Concentration per Run 2	0.0009 ppm	98.0619 %	95.5226 %	94.2428 %	99.5060 %	97.3980 %	98.1191 %
Concentration per Run 3	0.0009 ppm	98.0102 %	95.0227 %	94.0698 %	99.9487 %	97.0996 %	97.8456 %
Concentration RSD	6.1 %	0.0 %	0.3 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-3 WG2082283
Analysis started at: 6/30/2025 8:28:06 PM
Comments <Comment>
Rack: 1
Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0603 ppm	2.2871 ppm	0.1270 ppm	1.0577 ppm	2.2707 ppm	0.0539 ppm	42.5254 ppm
Concentration per Run 1	0.0602 ppm	2.2721 ppm	0.1267 ppm	1.0566 ppm	2.2519 ppm	0.0537 ppm	42.4231 ppm
Concentration per Run 2	0.0599 ppm	2.3021 ppm	0.1264 ppm	1.0585 ppm	2.2805 ppm	0.0540 ppm	42.6681 ppm
Concentration per Run 3	0.0607 ppm	2.2871 ppm	0.1280 ppm	1.0581 ppm	2.2795 ppm	0.0539 ppm	42.4848 ppm
Concentration RSD	0.7 %	0.7 %	0.7 %	0.1 %	0.7 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0539 ppm	0.5570 ppm	0.2281 ppm	0.2850 ppm	1.1378 ppm	12.3144 ppm	-0.0008 ppm
Concentration per Run 1	0.0538 ppm	0.5575 ppm	0.2276 ppm	0.2846 ppm	1.1343 ppm	12.3147 ppm	0.0000 ppm
Concentration per Run 2	0.0540 ppm	0.5577 ppm	0.2286 ppm	0.2846 ppm	1.1383 ppm	12.3122 ppm	-0.0010 ppm
Concentration per Run 3	0.0539 ppm	0.5557 ppm	0.2282 ppm	0.2857 ppm	1.1409 ppm	12.3164 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.0 %	84.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.1002 ppm	0.5491 ppm	0.9630 ppm	20.4179 ppm	0.5647 ppm	0.5331 ppm	0.4722 ppm
Concentration per Run 1	17.1062 ppm	0.5471 ppm	0.9583 ppm	20.3538 ppm	0.5647 ppm	0.5328 ppm	0.4683 ppm
Concentration per Run 2	17.0849 ppm	0.5505 ppm	0.9654 ppm	20.4938 ppm	0.5655 ppm	0.5336 ppm	0.4722 ppm
Concentration per Run 3	17.1096 ppm	0.5496 ppm	0.9654 ppm	20.4061 ppm	0.5640 ppm	0.5328 ppm	0.4760 ppm
Concentration RSD	0.1 %	0.3 %	0.4 %	0.3 %	0.1 %	0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1221 ppm	5.1564 ppm	0.9592 ppm	1.1604 ppm	1.0278 ppm	0.1137 ppm	0.5688 ppm
Concentration per Run 1	0.1215 ppm	5.1604 ppm	0.9578 ppm	1.1563 ppm	1.0269 ppm	0.1135 ppm	0.5691 ppm
Concentration per Run 2	0.1221 ppm	5.1593 ppm	0.9597 ppm	1.1629 ppm	1.0275 ppm	0.1143 ppm	0.5691 ppm
Concentration per Run 3	0.1227 ppm	5.1494 ppm	0.9602 ppm	1.1619 ppm	1.0290 ppm	0.1132 ppm	0.5682 ppm
Concentration RSD	0.5 %	0.1 %	0.1 %	0.3 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5585 ppm	97.3228 %	94.3087 %	93.2747 %	100.2001 %	95.8537 %	97.3054 %
Concentration per Run 1	0.5576 ppm	97.4555 %	94.3087 %	93.1569 %	100.7486 %	95.7757 %	97.2315 %
Concentration per Run 2	0.5600 ppm	96.8871 %	94.4897 %	93.3470 %	99.4762 %	95.7903 %	97.5090 %
Concentration per Run 3	0.5579 ppm	97.6260 %	94.1279 %	93.3201 %	100.3755 %	95.9952 %	97.1757 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.1 %	0.7 %	0.1 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-4 WG2082283
Analysis started at: 6/30/2025 8:34:20 PM
Comments <Comment>
Rack: 2
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0064 ppm	0.0006 ppm	0.0211 ppm	0.0228 ppm	0.0000 ppm	32.0470 ppm
Concentration per Run 1	0.0002 ppm	0.0058 ppm	0.0009 ppm	0.0212 ppm	0.0226 ppm	0.0001 ppm	31.8734 ppm
Concentration per Run 2	0.0001 ppm	0.0142 ppm	0.0004 ppm	0.0212 ppm	0.0228 ppm	0.0000 ppm	32.1246 ppm
Concentration per Run 3	0.0005 ppm	-0.0009 ppm	0.0006 ppm	0.0209 ppm	0.0231 ppm	0.0000 ppm	32.1431 ppm
Concentration RSD	79.6 %	119.4 %	40.4 %	0.8 %	1.2 %	155.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0100 ppm	1.2891 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0099 ppm	1.2926 ppm	-0.0013 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0094 ppm	1.2769 ppm	-0.0009 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0106 ppm	1.2979 ppm	-0.0012 ppm
Concentration RSD	23.9 %	12,581.6 %	69.9 %	45.8 %	5.9 %	0.8 %	19.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.9123 ppm	0.0034 ppm	0.0056 ppm	9.8467 ppm	0.0165 ppm	-0.0004 ppm	0.0110 ppm
Concentration per Run 1	6.9254 ppm	0.0035 ppm	0.0061 ppm	9.7765 ppm	0.0167 ppm	-0.0003 ppm	0.0119 ppm
Concentration per Run 2	6.9002 ppm	0.0033 ppm	0.0057 ppm	9.8898 ppm	0.0163 ppm	-0.0005 ppm	0.0100 ppm
Concentration per Run 3	6.9112 ppm	0.0035 ppm	0.0051 ppm	9.8739 ppm	0.0166 ppm	-0.0003 ppm	0.0110 ppm
Concentration RSD	0.2 %	3.3 %	9.7 %	0.6 %	1.4 %	26.3 %	8.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	3.8411 ppm	0.0040 ppm	0.1133 ppm	0.0008 ppm	-0.0012 ppm	0.0005 ppm
Concentration per Run 1	0.0037 ppm	3.8355 ppm	0.0047 ppm	0.1124 ppm	0.0007 ppm	-0.0014 ppm	0.0006 ppm
Concentration per Run 2	0.0034 ppm	3.8413 ppm	0.0037 ppm	0.1140 ppm	0.0009 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 3	-0.0021 ppm	3.8464 ppm	0.0036 ppm	0.1135 ppm	0.0007 ppm	-0.0014 ppm	0.0005 ppm
Concentration RSD	195.7 %	0.1 %	15.0 %	0.7 %	8.5 %	28.5 %	12.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	98.2249 %	95.2333 %	93.8562 %	100.7976 %	97.5291 %	98.2768 %
Concentration per Run 1	0.0021 ppm	98.2162 %	95.3070 %	93.9170 %	101.2064 %	97.6830 %	98.2044 %
Concentration per Run 2	0.0020 ppm	98.4596 %	95.1515 %	93.6937 %	100.5997 %	97.3989 %	98.3717 %
Concentration per Run 3	0.0019 ppm	97.9989 %	95.2414 %	93.9578 %	100.5867 %	97.5055 %	98.2542 %
Concentration RSD	4.4 %	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-5 WG2082283
Analysis started at: 6/30/2025 8:40:42 PM
Comments <Comment>
Rack: 2
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0559 ppm	2.3114 ppm	0.1174 ppm	0.9892 ppm	2.3122 ppm	0.0547 ppm	41.9511 ppm
Concentration per Run 1	0.0556 ppm	2.3514 ppm	0.1190 ppm	0.9926 ppm	2.3509 ppm	0.0556 ppm	41.9518 ppm
Concentration per Run 2	0.0561 ppm	2.3197 ppm	0.1163 ppm	0.9874 ppm	2.3188 ppm	0.0550 ppm	42.1351 ppm
Concentration per Run 3	0.0561 ppm	2.2630 ppm	0.1169 ppm	0.9876 ppm	2.2668 ppm	0.0536 ppm	41.7664 ppm
Concentration RSD	0.6 %	1.9 %	1.2 %	0.3 %	1.8 %	1.8 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0500 ppm	0.5167 ppm	0.2128 ppm	0.2659 ppm	1.1505 ppm	12.5157 ppm	-0.0008 ppm
Concentration per Run 1	0.0503 ppm	0.5188 ppm	0.2122 ppm	0.2654 ppm	1.1669 ppm	12.6574 ppm	-0.0007 ppm
Concentration per Run 2	0.0500 ppm	0.5173 ppm	0.2126 ppm	0.2662 ppm	1.1560 ppm	12.5688 ppm	-0.0006 ppm
Concentration per Run 3	0.0496 ppm	0.5141 ppm	0.2135 ppm	0.2662 ppm	1.1286 ppm	12.3208 ppm	-0.0012 ppm
Concentration RSD	0.7 %	0.5 %	0.3 %	0.2 %	1.7 %	1.4 %	36.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.2142 ppm	0.5578 ppm	0.8976 ppm	20.5879 ppm	0.5238 ppm	0.4942 ppm	0.3945 ppm
Concentration per Run 1	16.1697 ppm	0.5658 ppm	0.8990 ppm	20.6921 ppm	0.5268 ppm	0.4970 ppm	0.3828 ppm
Concentration per Run 2	16.1900 ppm	0.5604 ppm	0.8985 ppm	20.6633 ppm	0.5239 ppm	0.4947 ppm	0.3964 ppm
Concentration per Run 3	16.2828 ppm	0.5473 ppm	0.8952 ppm	20.4083 ppm	0.5208 ppm	0.4907 ppm	0.4044 ppm
Concentration RSD	0.4 %	1.7 %	0.2 %	0.8 %	0.6 %	0.6 %	2.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1137 ppm	4.6592 ppm	0.9115 ppm	1.1769 ppm	0.9641 ppm	0.1054 ppm	0.5293 ppm
Concentration per Run 1	0.1141 ppm	4.6666 ppm	0.9165 ppm	1.1933 ppm	0.9618 ppm	0.1069 ppm	0.5292 ppm
Concentration per Run 2	0.1158 ppm	4.6557 ppm	0.9106 ppm	1.1809 ppm	0.9644 ppm	0.1033 ppm	0.5289 ppm
Concentration per Run 3	0.1112 ppm	4.6553 ppm	0.9074 ppm	1.1563 ppm	0.9662 ppm	0.1060 ppm	0.5297 ppm
Concentration RSD	2.0 %	0.1 %	0.5 %	1.6 %	0.2 %	1.8 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5185 ppm	96.6448 %	94.5977 %	93.2475 %	99.3790 %	96.0758 %	97.5940 %
Concentration per Run 1	0.5208 ppm	97.0743 %	94.7473 %	93.2515 %	99.4259 %	95.9607 %	97.8812 %
Concentration per Run 2	0.5192 ppm	96.2765 %	94.5483 %	93.2337 %	99.2071 %	96.0638 %	97.5665 %
Concentration per Run 3	0.5156 ppm	96.5837 %	94.4977 %	93.2573 %	99.5041 %	96.2028 %	97.3344 %
Concentration RSD	0.5 %	0.4 %	0.1 %	0.0 %	0.2 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-6d5 WG2082283
Analysis started at: 6/30/2025 8:46:55 PM
Comments <Comment>
Rack: 2
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0014 ppm	0.0005 ppm	0.0062 ppm	0.0047 ppm	0.0001 ppm	6.5230 ppm
Concentration per Run 1	0.0003 ppm	0.0025 ppm	0.0003 ppm	0.0061 ppm	0.0048 ppm	0.0000 ppm	6.4943 ppm
Concentration per Run 2	-0.0002 ppm	0.0013 ppm	-0.0009 ppm	0.0064 ppm	0.0048 ppm	0.0001 ppm	6.5104 ppm
Concentration per Run 3	-0.0001 ppm	-0.0079 ppm	0.0020 ppm	0.0060 ppm	0.0046 ppm	0.0000 ppm	6.5642 ppm
Concentration RSD	1,444.4 %	412.3 %	303.4 %	3.3 %	3.0 %	55.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0032 ppm	0.2576 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0006 ppm	-0.0003 ppm	0.0023 ppm	0.2626 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0035 ppm	0.2442 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0037 ppm	0.2660 ppm	-0.0005 ppm
Concentration RSD	26.4 %	36.8 %	159.4 %	39.0 %	24.8 %	4.6 %	595.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.4288 ppm	0.0009 ppm	0.0068 ppm	2.0156 ppm	0.0035 ppm	0.0001 ppm	0.0306 ppm
Concentration per Run 1	1.4259 ppm	0.0007 ppm	0.0077 ppm	2.0076 ppm	0.0035 ppm	0.0003 ppm	0.0342 ppm
Concentration per Run 2	1.4282 ppm	0.0012 ppm	0.0066 ppm	2.0189 ppm	0.0035 ppm	0.0002 ppm	0.0309 ppm
Concentration per Run 3	1.4323 ppm	0.0009 ppm	0.0061 ppm	2.0202 ppm	0.0036 ppm	-0.0002 ppm	0.0266 ppm
Concentration RSD	0.2 %	24.8 %	12.1 %	0.3 %	1.8 %	234.0 %	12.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.7637 ppm	0.0067 ppm	0.0236 ppm	0.0005 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0018 ppm	0.7628 ppm	0.0072 ppm	0.0234 ppm	0.0005 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.7623 ppm	0.0069 ppm	0.0235 ppm	0.0005 ppm	-0.0029 ppm	0.0003 ppm
Concentration per Run 3	0.0003 ppm	0.7659 ppm	0.0060 ppm	0.0239 ppm	0.0006 ppm	-0.0004 ppm	0.0001 ppm
Concentration RSD	111.5 %	0.3 %	9.3 %	1.2 %	14.0 %	211.8 %	30.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	99.4070 %	96.6379 %	95.7735 %	100.0827 %	99.5916 %	99.3757 %
Concentration per Run 1	0.0004 ppm	100.4547 %	96.5584 %	95.7002 %	101.0315 %	99.6660 %	99.3287 %
Concentration per Run 2	0.0004 ppm	99.0764 %	96.4209 %	95.6908 %	99.8450 %	99.6145 %	99.1021 %
Concentration per Run 3	0.0001 ppm	98.6899 %	96.9343 %	95.9296 %	99.3716 %	99.4942 %	99.6962 %
Concentration RSD	51.8 %	0.9 %	0.3 %	0.1 %	0.9 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 8:53:17 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5323 ppm	0.4804 ppm	0.4810 ppm	0.4978 ppm	0.5001 ppm	0.4860 ppm	0.5029 ppm
Concentration per Run 1	0.5306 ppm	0.4815 ppm	0.4797 ppm	0.4976 ppm	0.4983 ppm	0.4842 ppm	0.5049 ppm
Concentration per Run 2	0.5345 ppm	0.4822 ppm	0.4806 ppm	0.4962 ppm	0.5014 ppm	0.4880 ppm	0.5007 ppm
Concentration per Run 3	0.5318 ppm	0.4775 ppm	0.4827 ppm	0.4997 ppm	0.5007 ppm	0.4857 ppm	0.5032 ppm
Recovery Percentage 1	106.459 %	96.080 %	96.196 %	99.563 %	100.027 %	97.196 %	100.588 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.4 %	0.3 %	0.4 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5105 ppm	0.5191 ppm	0.5225 ppm	0.5169 ppm	0.5078 ppm	5.2200 ppm	0.5034 ppm
Concentration per Run 1	0.5104 ppm	0.5183 ppm	0.5229 ppm	0.5174 ppm	0.5055 ppm	5.2275 ppm	0.5017 ppm
Concentration per Run 2	0.5097 ppm	0.5187 ppm	0.5215 ppm	0.5175 ppm	0.5108 ppm	5.2231 ppm	0.5062 ppm
Concentration per Run 3	0.5113 ppm	0.5203 ppm	0.5231 ppm	0.5158 ppm	0.5072 ppm	5.2093 ppm	0.5023 ppm
Recovery Percentage 1	102.097 %	103.814 %	104.507 %	103.374 %	101.563 %	104.400 %	100.679 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.5 %	0.2 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5132 ppm	0.5053 ppm	0.4814 ppm	9.8981 ppm	0.5063 ppm	0.5038 ppm	0.5301 ppm
Concentration per Run 1	0.5121 ppm	0.5039 ppm	0.4808 ppm	9.8576 ppm	0.5062 ppm	0.5033 ppm	0.5316 ppm
Concentration per Run 2	0.5142 ppm	0.5051 ppm	0.4806 ppm	9.9400 ppm	0.5055 ppm	0.5025 ppm	0.5298 ppm
Concentration per Run 3	0.5134 ppm	0.5069 ppm	0.4828 ppm	9.8967 ppm	0.5073 ppm	0.5056 ppm	0.5288 ppm
Recovery Percentage 1	102.646 %	101.053 %	96.281 %	98.981 %	101.266 %	100.761 %	106.017 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.4 %	0.2 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4787 ppm	5.4297 ppm	0.4956 ppm	0.5187 ppm	0.5046 ppm	0.4891 ppm	0.5105 ppm
Concentration per Run 1	0.4766 ppm	5.4229 ppm	0.4957 ppm	0.5167 ppm	0.5044 ppm	0.4893 ppm	0.5112 ppm
Concentration per Run 2	0.4800 ppm	5.4235 ppm	0.4956 ppm	0.5204 ppm	0.5059 ppm	0.4895 ppm	0.5101 ppm
Concentration per Run 3	0.4794 ppm	5.4427 ppm	0.4956 ppm	0.5189 ppm	0.5035 ppm	0.4886 ppm	0.5102 ppm
Recovery Percentage 1	95.732 %	103.423 %	99.126 %	103.736 %	100.928 %	97.825 %	102.103 %
Concentration RSD	0.4 %	0.2 %	0.0 %	0.4 %	0.2 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5096 ppm	97.6725 %	95.7271 %	95.0124 %	99.1983 %	98.7591 %	98.7590 %
Concentration per Run 1	0.5094 ppm	97.9410 %	95.8487 %	95.0676 %	99.5448 %	98.8013 %	99.0986 %
Concentration per Run 2	0.5092 ppm	97.3604 %	95.7457 %	95.0933 %	98.8785 %	98.8486 %	98.4337 %
Concentration per Run 3	0.5103 ppm	97.7162 %	95.5869 %	94.8764 %	99.1716 %	98.6272 %	98.7446 %
Recovery Percentage 1	101.928 %						
Concentration RSD	0.1 %	0.3 %	0.1 %	0.1 %	0.3 %	0.1 %	0.3 %

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 8:59:25 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0021 ppm	0.0009 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	0.0000 ppm	-0.0069 ppm	0.0011 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run 2	-0.0002 ppm	0.0049 ppm	-0.0001 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run 3	-0.0001 ppm	-0.0042 ppm	0.0015 ppm	0.0019 ppm	-0.0001 ppm	0.0001 ppm	0.0020 ppm
Recovery Percentage 1	-1.527 %	-2.070 %	17.129 %	6.424 %	0.054 %	0.610 %	1.858 %
Concentration RSD	69.3 %	298.0 %	96.8 %	8.4 %	2,307.4 %	80.0 %	268.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0021 ppm	-0.0013 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	-0.0005 ppm	-0.0042 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	0.0028 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0020 ppm	-0.0049 ppm	-0.0018 ppm
Recovery Percentage 1	-0.508 %	-0.516 %	0.741 %	-2.215 %	-1.912 %	-0.084 %	-12.725 %
Concentration RSD	131.9 %	57.0 %	223.4 %	42.0 %	97.2 %	201.8 %	47.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	0.0000 ppm	0.0023 ppm	0.0130 ppm	0.0002 ppm	-0.0001 ppm	0.0035 ppm
Concentration per Run 1	-0.0007 ppm	0.0001 ppm	0.0024 ppm	0.0069 ppm	0.0001 ppm	-0.0006 ppm	0.0035 ppm
Concentration per Run 2	0.0015 ppm	-0.0002 ppm	0.0022 ppm	0.0113 ppm	0.0001 ppm	0.0002 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0023 ppm	0.0206 ppm	0.0002 ppm	0.0000 ppm	0.0042 ppm
Recovery Percentage 1	0.305 %	-0.187 %	4.526 %	0.648 %	0.671 %	-1.318 %	6.971 %
Concentration RSD	368.9 %	737.8 %	4.5 %	53.9 %	38.5 %	325.5 %	20.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	-0.0041 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0014 ppm	0.0000 ppm
Concentration per Run 1	0.0032 ppm	-0.0033 ppm	0.0014 ppm	0.0001 ppm	0.0002 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	-0.0047 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 3	0.0013 ppm	-0.0042 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	-0.0023 ppm	0.0001 ppm
Recovery Percentage 1	17.995 %	-0.819 %	1.926 %	0.377 %	2.329 %	-6.977 %	0.415 %
Concentration RSD	67.5 %	17.0 %	40.3 %	192.6 %	6.8 %	55.5 %	138.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	98.1334 %	97.2996 %	96.2404 %	98.6965 %	100.5387 %	98.7376 %
Concentration per Run 1	-0.0001 ppm	97.4595 %	97.4080 %	96.2542 %	98.1612 %	100.5114 %	98.9096 %
Concentration per Run 2	-0.0002 ppm	98.7274 %	97.3715 %	96.1774 %	98.9875 %	100.6562 %	98.7901 %
Concentration per Run 3	-0.0001 ppm	98.2135 %	97.1194 %	96.2896 %	98.9407 %	100.4487 %	98.5132 %
Recovery Percentage 1	-2.756 %						
Concentration RSD	9.8 %	0.6 %	0.2 %	0.1 %	0.5 %	0.1 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-05 WG2082283
Analysis started at: 6/30/2025 9:18:44 PM
Comments <Comment>
Rack: 2
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0021 ppm	0.0012 ppm	0.0145 ppm	0.0228 ppm	0.0001 ppm	14.5676 ppm
Concentration per Run 1	-0.0003 ppm	-0.0009 ppm	0.0014 ppm	0.0143 ppm	0.0229 ppm	0.0001 ppm	14.5721 ppm
Concentration per Run 2	0.0003 ppm	0.0087 ppm	0.0012 ppm	0.0144 ppm	0.0227 ppm	0.0001 ppm	14.5687 ppm
Concentration per Run 3	0.0003 ppm	-0.0016 ppm	0.0011 ppm	0.0147 ppm	0.0229 ppm	0.0001 ppm	14.5619 ppm
Concentration RSD	280.4 %	281.2 %	11.6 %	1.6 %	0.4 %	11.7 %	0.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0053 ppm	0.0017 ppm	0.0000 ppm	0.5678 ppm	1.2760 ppm	0.0027 ppm
Concentration per Run 1	0.0001 ppm	0.0054 ppm	0.0018 ppm	0.0000 ppm	0.5684 ppm	1.2754 ppm	0.0030 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	0.0016 ppm	-0.0001 ppm	0.5661 ppm	1.2645 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0054 ppm	0.0016 ppm	0.0000 ppm	0.5691 ppm	1.2880 ppm	0.0034 ppm
Concentration RSD	98.3 %	1.3 %	7.5 %	427.8 %	0.3 %	0.9 %	31.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.4674 ppm	0.0309 ppm	0.0011 ppm	14.4795 ppm	0.0066 ppm	0.0004 ppm	0.0005 ppm
Concentration per Run 1	6.4513 ppm	0.0311 ppm	0.0010 ppm	14.4924 ppm	0.0064 ppm	0.0012 ppm	0.0008 ppm
Concentration per Run 2	6.4797 ppm	0.0305 ppm	0.0012 ppm	14.5096 ppm	0.0068 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 3	6.4714 ppm	0.0309 ppm	0.0011 ppm	14.4365 ppm	0.0066 ppm	-0.0005 ppm	0.0010 ppm
Concentration RSD	0.2 %	0.9 %	6.5 %	0.3 %	3.6 %	237.6 %	125.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	11.1926 ppm	0.0002 ppm	0.0801 ppm	0.0003 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0009 ppm	11.2164 ppm	0.0002 ppm	0.0800 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 2	0.0007 ppm	11.1708 ppm	-0.0003 ppm	0.0803 ppm	0.0003 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0009 ppm	11.1905 ppm	0.0007 ppm	0.0800 ppm	0.0005 ppm	-0.0020 ppm	0.0004 ppm
Concentration RSD	17.3 %	0.2 %	238.7 %	0.2 %	41.4 %	194.7 %	41.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0141 ppm	98.9619 %	96.8048 %	95.5562 %	101.7357 %	98.5839 %	99.5926 %
Concentration per Run 1	0.0141 ppm	99.0676 %	96.9985 %	95.7625 %	101.8429 %	98.5802 %	99.9055 %
Concentration per Run 2	0.0140 ppm	98.7691 %	96.5863 %	95.6347 %	101.6311 %	98.7298 %	99.3119 %
Concentration per Run 3	0.0142 ppm	99.0491 %	96.8296 %	95.2716 %	101.7332 %	98.4418 %	99.5603 %
Concentration RSD	0.8 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %	0.3 %

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LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-06 WG2082283
Analysis started at: 6/30/2025 9:25:04 PM
Comments <Comment>
Rack: 2
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0005 ppm	0.0009 ppm	0.0159 ppm	0.0416 ppm	0.0000 ppm	17.2305 ppm
Concentration per Run 1	0.0002 ppm	0.0016 ppm	0.0023 ppm	0.0159 ppm	0.0415 ppm	0.0000 ppm	17.2339 ppm
Concentration per Run 2	-0.0004 ppm	0.0005 ppm	0.0009 ppm	0.0157 ppm	0.0416 ppm	0.0000 ppm	17.2626 ppm
Concentration per Run 3	-0.0005 ppm	-0.0038 ppm	-0.0005 ppm	0.0159 ppm	0.0418 ppm	0.0001 ppm	17.1950 ppm
Concentration RSD	171.4 %	528.6 %	158.3 %	0.6 %	0.3 %	42.7 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0021 ppm	2.1994 ppm	-0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0001 ppm	0.0024 ppm	2.1912 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0031 ppm	2.2065 ppm	-0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0009 ppm	2.2006 ppm	-0.0008 ppm
Concentration RSD	27.9 %	233.0 %	33.7 %	887.9 %	50.7 %	0.4 %	25.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0502 ppm	0.0023 ppm	0.0005 ppm	14.4198 ppm	0.0003 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 1	5.0436 ppm	0.0022 ppm	0.0006 ppm	14.3939 ppm	0.0005 ppm	-0.0001 ppm	0.0021 ppm
Concentration per Run 2	5.0552 ppm	0.0022 ppm	0.0004 ppm	14.4470 ppm	0.0001 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 3	5.0519 ppm	0.0024 ppm	0.0006 ppm	14.4183 ppm	0.0004 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	0.1 %	4.4 %	20.0 %	0.2 %	53.8 %	553.2 %	118.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	6.9464 ppm	-0.0004 ppm	0.0836 ppm	0.0003 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0002 ppm	6.9576 ppm	-0.0006 ppm	0.0834 ppm	0.0005 ppm	-0.0013 ppm	0.0003 ppm
Concentration per Run 2	0.0009 ppm	6.9660 ppm	0.0000 ppm	0.0838 ppm	0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	6.9155 ppm	-0.0005 ppm	0.0836 ppm	0.0002 ppm	-0.0007 ppm	0.0002 ppm
Concentration RSD	151.6 %	0.4 %	86.2 %	0.2 %	32.2 %	41.3 %	39.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.4631 %	96.3622 %	95.1001 %	100.6512 %	98.3294 %	99.1815 %
Concentration per Run 1	0.0009 ppm	98.2852 %	96.5349 %	95.1748 %	100.5652 %	98.0906 %	99.3614 %
Concentration per Run 2	0.0009 ppm	98.2785 %	96.4056 %	95.0444 %	100.1387 %	98.1435 %	99.0347 %
Concentration per Run 3	0.0009 ppm	98.8255 %	96.1460 %	95.0812 %	101.2497 %	98.7543 %	99.1484 %
Concentration RSD	1.7 %	0.3 %	0.2 %	0.1 %	0.6 %	0.4 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-07 WG2082283
Analysis started at: 6/30/2025 9:31:26 PM
Comments <Comment>
Rack: 2
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0054 ppm	0.0007 ppm	0.0189 ppm	0.0406 ppm	0.0000 ppm	12.9839 ppm
Concentration per Run 1	0.0003 ppm	0.0010 ppm	0.0012 ppm	0.0188 ppm	0.0404 ppm	0.0000 ppm	12.9459 ppm
Concentration per Run 2	0.0003 ppm	0.0061 ppm	-0.0002 ppm	0.0194 ppm	0.0406 ppm	0.0000 ppm	13.0044 ppm
Concentration per Run 3	-0.0001 ppm	0.0090 ppm	0.0010 ppm	0.0187 ppm	0.0407 ppm	0.0000 ppm	13.0016 ppm
Concentration RSD	147.1 %	75.6 %	109.8 %	2.0 %	0.4 %	4.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.0071 ppm	2.1646 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0068 ppm	2.1673 ppm	-0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0002 ppm	0.0072 ppm	2.1661 ppm	-0.0022 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0071 ppm	2.1605 ppm	-0.0004 ppm
Concentration RSD	35.5 %	211.3 %	15.7 %	91.4 %	3.3 %	0.2 %	117.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1489 ppm	0.0023 ppm	0.0003 ppm	12.9400 ppm	0.0002 ppm	0.0005 ppm	0.0013 ppm
Concentration per Run 1	4.1522 ppm	0.0025 ppm	0.0003 ppm	12.9511 ppm	0.0002 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run 2	4.1388 ppm	0.0022 ppm	0.0004 ppm	12.9318 ppm	0.0001 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 3	4.1559 ppm	0.0023 ppm	0.0003 ppm	12.9371 ppm	0.0002 ppm	0.0007 ppm	0.0022 ppm
Concentration RSD	0.2 %	7.0 %	22.6 %	0.1 %	35.8 %	45.1 %	59.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	6.5903 ppm	-0.0002 ppm	0.0730 ppm	0.0005 ppm	-0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0014 ppm	6.5920 ppm	-0.0002 ppm	0.0732 ppm	0.0006 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 2	-0.0013 ppm	6.6000 ppm	-0.0001 ppm	0.0730 ppm	0.0006 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0016 ppm	6.5788 ppm	-0.0003 ppm	0.0730 ppm	0.0004 ppm	-0.0028 ppm	0.0002 ppm
Concentration RSD	335.9 %	0.2 %	56.6 %	0.2 %	26.8 %	66.5 %	43.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	98.2990 %	96.2842 %	95.6606 %	101.0159 %	98.8703 %	99.4420 %
Concentration per Run 1	0.0011 ppm	98.4639 %	96.1009 %	95.6576 %	101.0981 %	98.8205 %	99.3948 %
Concentration per Run 2	0.0011 ppm	98.2476 %	96.3007 %	95.6576 %	101.1619 %	98.7037 %	99.6223 %
Concentration per Run 3	0.0012 ppm	98.1855 %	96.4509 %	95.6665 %	100.7876 %	99.0867 %	99.3089 %
Concentration RSD	2.2 %	0.1 %	0.2 %	0.0 %	0.2 %	0.2 %	0.2 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-08 WG2082283
Analysis started at: 6/30/2025 9:37:46 PM
Comments <Comment>
Rack: 2
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0523 ppm	0.0006 ppm	0.0138 ppm	0.0015 ppm	0.0000 ppm	32.3826 ppm
Concentration per Run 1	0.0003 ppm	0.0549 ppm	0.0018 ppm	0.0140 ppm	0.0013 ppm	0.0000 ppm	32.4376 ppm
Concentration per Run 2	0.0000 ppm	0.0551 ppm	-0.0001 ppm	0.0136 ppm	0.0015 ppm	0.0000 ppm	32.4948 ppm
Concentration per Run 3	-0.0001 ppm	0.0468 ppm	0.0002 ppm	0.0138 ppm	0.0015 ppm	0.0000 ppm	32.2154 ppm
Concentration RSD	210.6 %	9.0 %	163.9 %	1.5 %	6.8 %	107.9 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0009 ppm	-0.0001 ppm	0.1898 ppm	1.6756 ppm	0.0022 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.1891 ppm	1.7014 ppm	0.0025 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.1904 ppm	1.6545 ppm	0.0021 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0010 ppm	-0.0002 ppm	0.1899 ppm	1.6707 ppm	0.0021 ppm
Concentration RSD	10.8 %	286.9 %	12.6 %	81.2 %	0.4 %	1.4 %	10.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.9282 ppm	0.0745 ppm	0.0005 ppm	8.0989 ppm	-0.0003 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	3.9185 ppm	0.0746 ppm	0.0004 ppm	8.1195 ppm	-0.0005 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 2	3.9337 ppm	0.0747 ppm	0.0006 ppm	8.1147 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	3.9323 ppm	0.0742 ppm	0.0004 ppm	8.0624 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration RSD	0.2 %	0.3 %	21.0 %	0.4 %	77.0 %	62.6 %	330.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	**21.9542 [SIC 200]**	0.0000 ppm	0.1669 ppm	0.0027 ppm	-0.0025 ppm	0.0005 ppm
Concentration per Run 1	0.0010 ppm	21.9518 ppm	-0.0001 ppm	0.1669 ppm	0.0027 ppm	-0.0027 ppm	0.0005 ppm
Concentration per Run 2	0.0002 ppm	21.9354 ppm	0.0000 ppm	0.1673 ppm	0.0026 ppm	-0.0030 ppm	0.0006 ppm
Concentration per Run 3	0.0008 ppm	21.9754 ppm	0.0000 ppm	0.1664 ppm	0.0029 ppm	-0.0019 ppm	0.0005 ppm
Concentration RSD	64.2 %	0.1 %	261.8 %	0.2 %	5.5 %	22.7 %	13.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	98.0366 %	96.4274 %	95.2959 %	100.2669 %	98.3646 %	100.0316 %
Concentration per Run 1	0.0003 ppm	98.0064 %	96.4799 %	95.2287 %	100.3258 %	98.3807 %	100.1288 %
Concentration per Run 2	0.0005 ppm	97.8381 %	96.2618 %	95.3287 %	99.8003 %	98.3998 %	99.9255 %
Concentration per Run 3	0.0005 ppm	98.2654 %	96.5405 %	95.3305 %	100.6748 %	98.3133 %	100.0406 %
Concentration RSD	23.0 %	0.2 %	0.2 %	0.1 %	0.4 %	0.0 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-04 WG2082283
Analysis started at: 6/30/2025 9:44:18 PM
Comments <Comment>
Rack: 2
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0021 ppm	0.0012 ppm	0.0207 ppm	0.0406 ppm	0.0000 ppm	38.2407 ppm
Concentration per Run 1	-0.0001 ppm	-0.0039 ppm	0.0017 ppm	0.0204 ppm	0.0401 ppm	0.0000 ppm	37.7676 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0010 ppm	0.0211 ppm	0.0407 ppm	0.0000 ppm	38.3414 ppm
Concentration per Run 3	0.0002 ppm	-0.0025 ppm	0.0007 ppm	0.0206 ppm	0.0409 ppm	0.0000 ppm	38.6130 ppm
Concentration RSD	289.9 %	98.4 %	43.6 %	1.8 %	0.9 %	12.6 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0003 ppm	0.0412 ppm	1.7852 ppm	-0.0012 ppm
Concentration per Run 1	-0.0002 ppm	0.0001 ppm	0.0043 ppm	0.0002 ppm	0.0413 ppm	1.7688 ppm	-0.0011 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0003 ppm	0.0422 ppm	1.7832 ppm	-0.0008 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0003 ppm	0.0401 ppm	1.8037 ppm	-0.0018 ppm
Concentration RSD	15.3 %	29.3 %	0.6 %	20.9 %	2.6 %	1.0 %	39.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.7936 ppm	0.0036 ppm	0.0003 ppm	13.4066 ppm	0.0077 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 1	6.7621 ppm	0.0035 ppm	0.0003 ppm	13.2613 ppm	0.0076 ppm	-0.0005 ppm	-0.0005 ppm
Concentration per Run 2	6.7999 ppm	0.0038 ppm	0.0001 ppm	13.4566 ppm	0.0076 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 3	6.8188 ppm	0.0036 ppm	0.0004 ppm	13.5020 ppm	0.0080 ppm	0.0008 ppm	-0.0005 ppm
Concentration RSD	0.4 %	4.8 %	61.0 %	1.0 %	2.9 %	267.6 %	307.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	5.9738 ppm	-0.0007 ppm	0.1333 ppm	0.0003 ppm	-0.0018 ppm	0.0004 ppm
Concentration per Run 1	-0.0015 ppm	5.9695 ppm	-0.0007 ppm	0.1314 ppm	0.0002 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 2	0.0013 ppm	5.9693 ppm	-0.0008 ppm	0.1340 ppm	0.0003 ppm	-0.0030 ppm	0.0005 ppm
Concentration per Run 3	0.0013 ppm	5.9827 ppm	-0.0007 ppm	0.1345 ppm	0.0003 ppm	-0.0015 ppm	0.0003 ppm
Concentration RSD	442.4 %	0.1 %	4.4 %	1.2 %	33.9 %	58.3 %	16.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.5370 %	95.4723 %	94.3466 %	101.2981 %	96.9429 %	98.6840 %
Concentration per Run 1	0.0010 ppm	100.2214 %	95.5525 %	94.4547 %	102.5911 %	96.9927 %	99.0308 %
Concentration per Run 2	0.0008 ppm	98.3502 %	95.4935 %	94.4888 %	101.2048 %	97.0682 %	98.7457 %
Concentration per Run 3	0.0010 ppm	97.0395 %	95.3710 %	94.0964 %	100.0984 %	96.7680 %	98.2755 %
Concentration RSD	9.3 %	1.6 %	0.1 %	0.2 %	1.2 %	0.2 %	0.4 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-12 WG2082283
Analysis started at: 6/30/2025 9:50:41 PM
Comments <Comment>
Rack: 2
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0264 ppm	0.0009 ppm	0.0197 ppm	0.0368 ppm	0.0000 ppm	16.5877 ppm
Concentration per Run 1	-0.0002 ppm	0.0243 ppm	0.0019 ppm	0.0198 ppm	0.0339 ppm	0.0000 ppm	15.3498 ppm
Concentration per Run 2	-0.0003 ppm	0.0256 ppm	0.0009 ppm	0.0197 ppm	0.0381 ppm	0.0001 ppm	17.0550 ppm
Concentration per Run 3	0.0004 ppm	0.0294 ppm	0.0000 ppm	0.0197 ppm	0.0385 ppm	0.0000 ppm	17.3583 ppm
Concentration RSD	1,060.1 %	10.1 %	102.5 %	0.3 %	6.8 %	125.7 %	6.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0033 ppm	0.0000 ppm	0.0610 ppm	2.4229 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0032 ppm	-0.0001 ppm	0.0573 ppm	2.2338 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0034 ppm	0.0000 ppm	0.0634 ppm	2.4857 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0033 ppm	0.0002 ppm	0.0624 ppm	2.5494 ppm	0.0000 ppm
Concentration RSD	31.3 %	197.6 %	3.6 %	1,357.2 %	5.4 %	6.9 %	84.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.4253 ppm	0.0070 ppm	0.0002 ppm	13.0650 ppm	0.0018 ppm	0.0005 ppm	-0.0006 ppm
Concentration per Run 1	3.4112 ppm	0.0064 ppm	0.0003 ppm	12.0937 ppm	0.0018 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 2	3.4286 ppm	0.0073 ppm	0.0002 ppm	13.4574 ppm	0.0017 ppm	0.0005 ppm	-0.0012 ppm
Concentration per Run 3	3.4360 ppm	0.0074 ppm	0.0002 ppm	13.6438 ppm	0.0018 ppm	0.0004 ppm	-0.0008 ppm
Concentration RSD	0.4 %	7.5 %	12.4 %	6.5 %	2.6 %	20.1 %	122.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	4.4820 ppm	-0.0005 ppm	0.0766 ppm	0.0016 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 1	-0.0009 ppm	4.4845 ppm	-0.0005 ppm	0.0708 ppm	0.0015 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	4.4847 ppm	-0.0008 ppm	0.0789 ppm	0.0015 ppm	-0.0013 ppm	0.0004 ppm
Concentration per Run 3	0.0002 ppm	4.4767 ppm	-0.0002 ppm	0.0802 ppm	0.0016 ppm	-0.0012 ppm	0.0003 ppm
Concentration RSD	214.6 %	0.1 %	61.8 %	6.7 %	3.7 %	21.2 %	15.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	102.1240 %	96.9017 %	95.8836 %	105.0799 %	99.1039 %	100.1896 %
Concentration per Run 1	0.0005 ppm	109.7129 %	96.7198 %	96.0484 %	112.3195 %	99.3184 %	100.2090 %
Concentration per Run 2	0.0006 ppm	99.3247 %	97.1359 %	95.8670 %	102.6178 %	99.0023 %	100.3301 %
Concentration per Run 3	0.0006 ppm	97.3345 %	96.8494 %	95.7355 %	100.3025 %	98.9909 %	100.0299 %
Concentration RSD	8.3 %	6.5 %	0.2 %	0.2 %	6.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-7 WG2082283
Analysis started at: 6/30/2025 9:57:02 PM
Comments <Comment>
Rack: 2
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0590 ppm	2.2930 ppm	0.1242 ppm	1.0411 ppm	2.2630 ppm	0.0534 ppm	27.3969 ppm
Concentration per Run 1	0.0592 ppm	2.2786 ppm	0.1246 ppm	1.0395 ppm	2.2687 ppm	0.0530 ppm	27.2853 ppm
Concentration per Run 2	0.0590 ppm	2.3068 ppm	0.1251 ppm	1.0436 ppm	2.2907 ppm	0.0538 ppm	27.5240 ppm
Concentration per Run 3	0.0587 ppm	2.2935 ppm	0.1228 ppm	1.0402 ppm	2.2295 ppm	0.0534 ppm	27.3815 ppm
Concentration RSD	0.4 %	0.6 %	1.0 %	0.2 %	1.4 %	0.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0533 ppm	0.5511 ppm	0.2284 ppm	0.2808 ppm	1.1735 ppm	13.4444 ppm	-0.0016 ppm
Concentration per Run 1	0.0533 ppm	0.5504 ppm	0.2283 ppm	0.2815 ppm	1.1703 ppm	13.3878 ppm	-0.0016 ppm
Concentration per Run 2	0.0534 ppm	0.5522 ppm	0.2289 ppm	0.2806 ppm	1.1790 ppm	13.4111 ppm	-0.0018 ppm
Concentration per Run 3	0.0533 ppm	0.5509 ppm	0.2281 ppm	0.2804 ppm	1.1712 ppm	13.5342 ppm	-0.0015 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.4 %	0.6 %	7.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.4984 ppm	0.5467 ppm	0.9498 ppm	24.0705 ppm	0.5431 ppm	0.5300 ppm	0.4403 ppm
Concentration per Run 1	13.4805 ppm	0.5418 ppm	0.9466 ppm	23.9202 ppm	0.5433 ppm	0.5312 ppm	0.4307 ppm
Concentration per Run 2	13.5232 ppm	0.5510 ppm	0.9519 ppm	24.2193 ppm	0.5442 ppm	0.5296 ppm	0.4408 ppm
Concentration per Run 3	13.4914 ppm	0.5472 ppm	0.9509 ppm	24.0721 ppm	0.5417 ppm	0.5293 ppm	0.4492 ppm
Concentration RSD	0.2 %	0.9 %	0.3 %	0.6 %	0.2 %	0.2 %	2.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1194 ppm	5.7357 ppm	0.9530 ppm	1.1192 ppm	1.0209 ppm	0.1143 ppm	0.5622 ppm
Concentration per Run 1	0.1189 ppm	5.7306 ppm	0.9518 ppm	1.1118 ppm	1.0208 ppm	0.1147 ppm	0.5624 ppm
Concentration per Run 2	0.1201 ppm	5.7528 ppm	0.9550 ppm	1.1256 ppm	1.0220 ppm	0.1131 ppm	0.5622 ppm
Concentration per Run 3	0.1192 ppm	5.7237 ppm	0.9521 ppm	1.1203 ppm	1.0198 ppm	0.1149 ppm	0.5620 ppm
Concentration RSD	0.5 %	0.3 %	0.2 %	0.6 %	0.1 %	0.9 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5527 ppm	97.4839 %	95.0260 %	94.2670 %	100.3416 %	97.2364 %	98.3566 %
Concentration per Run 1	0.5532 ppm	97.8059 %	95.0114 %	94.1602 %	101.0672 %	97.2927 %	98.2480 %
Concentration per Run 2	0.5526 ppm	97.2121 %	95.1547 %	94.5185 %	99.2640 %	97.1005 %	98.3471 %
Concentration per Run 3	0.5522 ppm	97.4337 %	94.9121 %	94.1223 %	100.6937 %	97.3159 %	98.4746 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.2 %	0.9 %	0.1 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-8 WG2082283
Analysis started at: 6/30/2025 10:03:12 PM
Comments <Comment>
Rack: 2
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0585 ppm	2.3292 ppm	0.1230 ppm	1.0327 ppm	2.2734 ppm	0.0540 ppm	27.8572 ppm
Concentration per Run 1	0.0587 ppm	2.3677 ppm	0.1229 ppm	1.0323 ppm	2.3537 ppm	0.0551 ppm	28.4487 ppm
Concentration per Run 2	0.0585 ppm	2.3235 ppm	0.1230 ppm	1.0332 ppm	2.2357 ppm	0.0536 ppm	27.6583 ppm
Concentration per Run 3	0.0582 ppm	2.2966 ppm	0.1232 ppm	1.0326 ppm	2.2308 ppm	0.0532 ppm	27.4646 ppm
Concentration RSD	0.4 %	1.5 %	0.1 %	0.0 %	3.1 %	1.8 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0529 ppm	0.5457 ppm	0.2261 ppm	0.2780 ppm	1.1958 ppm	13.6273 ppm	-0.0013 ppm
Concentration per Run 1	0.0529 ppm	0.5450 ppm	0.2264 ppm	0.2778 ppm	1.2204 ppm	13.9130 ppm	-0.0012 ppm
Concentration per Run 2	0.0529 ppm	0.5462 ppm	0.2253 ppm	0.2776 ppm	1.1923 ppm	13.5247 ppm	-0.0009 ppm
Concentration per Run 3	0.0528 ppm	0.5457 ppm	0.2266 ppm	0.2785 ppm	1.1748 ppm	13.4442 ppm	-0.0018 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	1.9 %	1.8 %	34.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.3357 ppm	0.5522 ppm	0.9504 ppm	24.3234 ppm	0.5389 ppm	0.5264 ppm	0.4615 ppm
Concentration per Run 1	13.3054 ppm	0.5620 ppm	0.9482 ppm	24.7665 ppm	0.5386 ppm	0.5256 ppm	0.4551 ppm
Concentration per Run 2	13.3407 ppm	0.5491 ppm	0.9513 ppm	24.1826 ppm	0.5395 ppm	0.5283 ppm	0.4619 ppm
Concentration per Run 3	13.3609 ppm	0.5456 ppm	0.9516 ppm	24.0212 ppm	0.5387 ppm	0.5253 ppm	0.4674 ppm
Concentration RSD	0.2 %	1.6 %	0.2 %	1.6 %	0.1 %	0.3 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1198 ppm	5.7196 ppm	0.9521 ppm	1.1286 ppm	1.0104 ppm	0.1127 ppm	0.5566 ppm
Concentration per Run 1	0.1184 ppm	5.7185 ppm	0.9492 ppm	1.1484 ppm	1.0091 ppm	0.1121 ppm	0.5567 ppm
Concentration per Run 2	0.1203 ppm	5.7257 ppm	0.9533 ppm	1.1228 ppm	1.0098 ppm	0.1127 ppm	0.5562 ppm
Concentration per Run 3	0.1207 ppm	5.7147 ppm	0.9537 ppm	1.1147 ppm	1.0124 ppm	0.1132 ppm	0.5569 ppm
Concentration RSD	1.0 %	0.1 %	0.3 %	1.6 %	0.2 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5487 ppm	96.4529 %	96.1087 %	95.4278 %	99.4036 %	98.2070 %	99.5374 %
Concentration per Run 1	0.5476 ppm	94.5991 %	96.0397 %	95.4909 %	97.4539 %	98.2658 %	99.5302 %
Concentration per Run 2	0.5498 ppm	97.1611 %	96.2748 %	95.4693 %	100.0648 %	98.1826 %	99.6528 %
Concentration per Run 3	0.5489 ppm	97.5987 %	96.0116 %	95.3232 %	100.6921 %	98.1726 %	99.4291 %
Concentration RSD	0.2 %	1.7 %	0.2 %	0.1 %	1.7 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-9 WG2082283
Analysis started at: 6/30/2025 10:09:26 PM
Comments <Comment>
Rack: 2
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0554 ppm	2.2233 ppm	0.1168 ppm	0.9872 ppm	2.2189 ppm	0.0521 ppm	26.7732 ppm
Concentration per Run 1	0.0548 ppm	2.2355 ppm	0.1184 ppm	0.9874 ppm	2.2242 ppm	0.0525 ppm	26.7491 ppm
Concentration per Run 2	0.0558 ppm	2.2184 ppm	0.1167 ppm	0.9866 ppm	2.2261 ppm	0.0520 ppm	26.8304 ppm
Concentration per Run 3	0.0557 ppm	2.2160 ppm	0.1152 ppm	0.9875 ppm	2.2064 ppm	0.0519 ppm	26.7402 ppm
Concentration RSD	1.0 %	0.5 %	1.4 %	0.0 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0505 ppm	0.5214 ppm	0.2168 ppm	0.2663 ppm	1.1495 ppm	13.1323 ppm	-0.0010 ppm
Concentration per Run 1	0.0505 ppm	0.5216 ppm	0.2179 ppm	0.2658 ppm	1.1516 ppm	13.1206 ppm	-0.0015 ppm
Concentration per Run 2	0.0506 ppm	0.5210 ppm	0.2158 ppm	0.2668 ppm	1.1523 ppm	13.0725 ppm	-0.0014 ppm
Concentration per Run 3	0.0505 ppm	0.5215 ppm	0.2167 ppm	0.2663 ppm	1.1446 ppm	13.2040 ppm	0.0001 ppm
Concentration RSD	0.1 %	0.1 %	0.5 %	0.2 %	0.4 %	0.5 %	92.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.8492 ppm	0.5326 ppm	0.9073 ppm	23.5268 ppm	0.5154 ppm	0.4991 ppm	0.4114 ppm
Concentration per Run 1	12.9229 ppm	0.5338 ppm	0.9050 ppm	23.5587 ppm	0.5156 ppm	0.4985 ppm	0.4011 ppm
Concentration per Run 2	12.8101 ppm	0.5338 ppm	0.9071 ppm	23.5779 ppm	0.5150 ppm	0.4987 ppm	0.4108 ppm
Concentration per Run 3	12.8145 ppm	0.5301 ppm	0.9099 ppm	23.4437 ppm	0.5155 ppm	0.5002 ppm	0.4222 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.1 %	0.2 %	2.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1126 ppm	5.2499 ppm	0.9271 ppm	1.0767 ppm	0.9686 ppm	0.1066 ppm	0.5321 ppm
Concentration per Run 1	0.1102 ppm	5.2490 ppm	0.9251 ppm	1.0807 ppm	0.9715 ppm	0.1063 ppm	0.5337 ppm
Concentration per Run 2	0.1142 ppm	5.2421 ppm	0.9282 ppm	1.0787 ppm	0.9687 ppm	0.1080 ppm	0.5319 ppm
Concentration per Run 3	0.1133 ppm	5.2584 ppm	0.9279 ppm	1.0706 ppm	0.9656 ppm	0.1054 ppm	0.5308 ppm
Concentration RSD	1.9 %	0.2 %	0.2 %	0.5 %	0.3 %	1.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5239 ppm	96.9641 %	95.4586 %	94.7741 %	100.2461 %	97.6128 %	98.6494 %
Concentration per Run 1	0.5247 ppm	97.5762 %	95.3636 %	94.6815 %	100.6669 %	97.5190 %	98.5355 %
Concentration per Run 2	0.5238 ppm	96.8263 %	95.6616 %	94.7876 %	99.6166 %	97.8284 %	98.6460 %
Concentration per Run 3	0.5231 ppm	96.4899 %	95.3506 %	94.8532 %	100.4547 %	97.4911 %	98.7666 %
Concentration RSD	0.1 %	0.6 %	0.2 %	0.1 %	0.6 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-10d5 WG2082283
Analysis started at: 6/30/2025 10:15:36 PM
Comments <Comment>
Rack: 2
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0052 ppm	0.0011 ppm	0.0067 ppm	0.0078 ppm	0.0000 ppm	3.5153 ppm
Concentration per Run 1	-0.0002 ppm	0.0075 ppm	0.0015 ppm	0.0069 ppm	0.0077 ppm	0.0001 ppm	3.4416 ppm
Concentration per Run 2	-0.0005 ppm	0.0041 ppm	0.0017 ppm	0.0064 ppm	0.0078 ppm	0.0000 ppm	3.5559 ppm
Concentration per Run 3	-0.0002 ppm	0.0040 ppm	0.0001 ppm	0.0067 ppm	0.0080 ppm	0.0000 ppm	3.5484 ppm
Concentration RSD	67.1 %	38.8 %	82.8 %	3.8 %	1.8 %	131.4 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0004 ppm	0.0156 ppm	0.5061 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.0155 ppm	0.5020 ppm	-0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0005 ppm	0.0162 ppm	0.5189 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0008 ppm	-0.0003 ppm	0.0149 ppm	0.4973 ppm	0.0000 ppm
Concentration RSD	21.2 %	497.5 %	23.4 %	40.2 %	4.0 %	2.2 %	85.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6995 ppm	0.0016 ppm	0.0076 ppm	2.7398 ppm	0.0005 ppm	0.0000 ppm	0.0334 ppm
Concentration per Run 1	0.7005 ppm	0.0017 ppm	0.0085 ppm	2.6992 ppm	0.0005 ppm	0.0000 ppm	0.0376 ppm
Concentration per Run 2	0.7016 ppm	0.0015 ppm	0.0075 ppm	2.7581 ppm	0.0005 ppm	-0.0001 ppm	0.0325 ppm
Concentration per Run 3	0.6963 ppm	0.0016 ppm	0.0067 ppm	2.7621 ppm	0.0004 ppm	0.0001 ppm	0.0302 ppm
Concentration RSD	0.4 %	8.1 %	12.2 %	1.3 %	7.1 %	950.8 %	11.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.8784 ppm	0.0082 ppm	0.0164 ppm	0.0011 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	0.8759 ppm	0.0092 ppm	0.0160 ppm	0.0011 ppm	-0.0030 ppm	0.0000 ppm
Concentration per Run 2	0.0004 ppm	0.8792 ppm	0.0081 ppm	0.0166 ppm	0.0010 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run 3	0.0004 ppm	0.8802 ppm	0.0074 ppm	0.0166 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm
Concentration RSD	68.4 %	0.3 %	11.4 %	2.1 %	8.1 %	430.6 %	86.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	97.9135 %	97.2444 %	96.3501 %	99.8749 %	101.0116 %	100.7865 %
Concentration per Run 1	0.0004 ppm	99.5298 %	97.3695 %	96.1519 %	101.6043 %	101.0775 %	100.9071 %
Concentration per Run 2	0.0005 ppm	96.8465 %	97.1269 %	96.4415 %	98.5257 %	100.8968 %	100.6590 %
Concentration per Run 3	0.0003 ppm	97.3644 %	97.2369 %	96.4569 %	99.4947 %	101.0604 %	100.7935 %
Concentration RSD	15.0 %	1.5 %	0.1 %	0.2 %	1.6 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 10:21:58 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5230 ppm	0.4851 ppm	0.4803 ppm	0.4968 ppm	0.5035 ppm	0.4850 ppm	0.5092 ppm
Concentration per Run 1	0.5216 ppm	0.4870 ppm	0.4788 ppm	0.4969 ppm	0.5050 ppm	0.4854 ppm	0.5051 ppm
Concentration per Run 2	0.5244 ppm	0.4845 ppm	0.4820 ppm	0.4966 ppm	0.5029 ppm	0.4857 ppm	0.5097 ppm
Concentration per Run 3	0.5230 ppm	0.4839 ppm	0.4803 ppm	0.4970 ppm	0.5025 ppm	0.4838 ppm	0.5129 ppm
Recovery Percentage 1	104.601 %	97.029 %	96.070 %	99.365 %	100.691 %	96.994 %	101.849 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.0 %	0.3 %	0.2 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5099 ppm	0.5184 ppm	0.5229 ppm	0.5175 ppm	0.5058 ppm	5.3365 ppm	0.4966 ppm
Concentration per Run 1	0.5103 ppm	0.5189 ppm	0.5232 ppm	0.5170 ppm	0.5047 ppm	5.3497 ppm	0.4987 ppm
Concentration per Run 2	0.5103 ppm	0.5183 ppm	0.5218 ppm	0.5184 ppm	0.5079 ppm	5.3357 ppm	0.4956 ppm
Concentration per Run 3	0.5092 ppm	0.5182 ppm	0.5238 ppm	0.5171 ppm	0.5049 ppm	5.3239 ppm	0.4955 ppm
Recovery Percentage 1	101.986 %	103.689 %	104.586 %	103.499 %	101.163 %	106.729 %	99.321 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.4 %	0.2 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5112 ppm	0.5009 ppm	0.4812 ppm	9.7649 ppm	0.5060 ppm	0.5045 ppm	0.5319 ppm
Concentration per Run 1	0.5091 ppm	0.5017 ppm	0.4813 ppm	9.8097 ppm	0.5074 ppm	0.5051 ppm	0.5353 ppm
Concentration per Run 2	0.5098 ppm	0.5015 ppm	0.4818 ppm	9.7492 ppm	0.5058 ppm	0.5044 ppm	0.5334 ppm
Concentration per Run 3	0.5145 ppm	0.4996 ppm	0.4804 ppm	9.7356 ppm	0.5047 ppm	0.5039 ppm	0.5272 ppm
Recovery Percentage 1	102.231 %	100.184 %	96.231 %	97.649 %	101.194 %	100.898 %	106.389 %
Concentration RSD	0.6 %	0.2 %	0.1 %	0.4 %	0.3 %	0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4820 ppm	5.4118 ppm	0.4996 ppm	0.5073 ppm	0.5023 ppm	0.4905 ppm	0.5110 ppm
Concentration per Run 1	0.4823 ppm	5.4213 ppm	0.5007 ppm	0.5086 ppm	0.5014 ppm	0.4915 ppm	0.5104 ppm
Concentration per Run 2	0.4827 ppm	5.4117 ppm	0.5001 ppm	0.5070 ppm	0.5031 ppm	0.4906 ppm	0.5112 ppm
Concentration per Run 3	0.4811 ppm	5.4025 ppm	0.4979 ppm	0.5062 ppm	0.5023 ppm	0.4893 ppm	0.5114 ppm
Recovery Percentage 1	96.402 %	103.083 %	99.914 %	101.459 %	100.453 %	98.096 %	102.199 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5083 ppm	94.9557 %	95.9142 %	95.2981 %	99.6766 %	99.0118 %	99.6240 %
Concentration per Run 1	0.5086 ppm	94.7473 %	95.9999 %	95.2937 %	99.7126 %	98.8671 %	99.7810 %
Concentration per Run 2	0.5090 ppm	94.9696 %	95.8600 %	95.5088 %	99.5328 %	98.9923 %	99.4543 %
Concentration per Run 3	0.5074 ppm	95.1503 %	95.8827 %	95.0917 %	99.7844 %	99.1759 %	99.6366 %
Recovery Percentage 1	101.665 %						
Concentration RSD	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 10:28:05 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0014 ppm	0.0008 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run 1	0.0001 ppm	-0.0083 ppm	-0.0005 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0043 ppm
Concentration per Run 2	0.0000 ppm	-0.0011 ppm	0.0022 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run 3	0.0001 ppm	0.0053 ppm	0.0007 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0039 ppm
Recovery Percentage 1	0.632 %	-1.392 %	15.266 %	7.380 %	0.633 %	0.913 %	4.847 %
Concentration RSD	196.8 %	488.5 %	176.5 %	4.6 %	105.1 %	57.5 %	25.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0075 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0004 ppm	-0.0006 ppm	-0.0079 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	-0.0005 ppm	0.0121 ppm	-0.0009 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0184 ppm	-0.0014 ppm
Recovery Percentage 1	-0.556 %	-0.157 %	0.930 %	-4.367 %	-0.574 %	0.300 %	-9.721 %
Concentration RSD	145.1 %	96.3 %	184.2 %	32.5 %	169.1 %	183.1 %	41.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0025 ppm	0.0049 ppm	0.0000 ppm	0.0001 ppm	0.0034 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0025 ppm	-0.0026 ppm	0.0001 ppm	0.0007 ppm	0.0037 ppm
Concentration per Run 2	-0.0019 ppm	0.0000 ppm	0.0025 ppm	0.0114 ppm	-0.0001 ppm	-0.0001 ppm	0.0044 ppm
Concentration per Run 3	0.0012 ppm	-0.0001 ppm	0.0024 ppm	0.0060 ppm	0.0001 ppm	-0.0004 ppm	0.0022 ppm
Recovery Percentage 1	-0.199 %	-0.904 %	4.933 %	0.246 %	0.136 %	0.692 %	6.819 %
Concentration RSD	784.3 %	143.5 %	1.3 %	143.9 %	356.1 %	787.4 %	33.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	-0.0051 ppm	0.0007 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	0.0026 ppm	-0.0054 ppm	0.0009 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 2	-0.0012 ppm	-0.0058 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0007 ppm	-0.0042 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0008 ppm	0.0000 ppm
Recovery Percentage 1	7.073 %	-1.024 %	1.472 %	0.632 %	3.021 %	-1.147 %	1.644 %
Concentration RSD	269.3 %	16.4 %	20.1 %	91.7 %	26.8 %	230.8 %	80.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	99.1140 %	98.1675 %	97.2620 %	101.3032 %	102.2803 %	100.5002 %
Concentration per Run 1	0.0001 ppm	99.8574 %	98.0779 %	97.2689 %	101.7352 %	102.2459 %	100.4935 %
Concentration per Run 2	-0.0001 ppm	99.8506 %	98.1533 %	97.2812 %	102.1907 %	102.3270 %	100.6057 %
Concentration per Run 3	0.0002 ppm	97.6341 %	98.2711 %	97.2359 %	99.9835 %	102.2680 %	100.4014 %
Recovery Percentage 1	1.076 %						
Concentration RSD	248.6 %	1.3 %	0.1 %	0.0 %	1.2 %	0.0 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-09 WG2082283
Analysis started at: 6/30/2025 10:40:12 PM
Comments <Comment>
Rack: 2
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0421 ppm	0.0005 ppm	0.0177 ppm	0.0667 ppm	0.0000 ppm	18.5490 ppm
Concentration per Run 1	-0.0006 ppm	0.0407 ppm	-0.0003 ppm	0.0173 ppm	0.0668 ppm	0.0000 ppm	18.5987 ppm
Concentration per Run 2	-0.0002 ppm	0.0354 ppm	0.0000 ppm	0.0176 ppm	0.0666 ppm	0.0000 ppm	18.5570 ppm
Concentration per Run 3	-0.0002 ppm	0.0501 ppm	0.0017 ppm	0.0181 ppm	0.0667 ppm	0.0001 ppm	18.4911 ppm
Concentration RSD	61.6 %	17.7 %	233.0 %	2.3 %	0.1 %	223.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0028 ppm	0.0000 ppm	0.0627 ppm	1.2084 ppm	-0.0015 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0027 ppm	0.0000 ppm	0.0636 ppm	1.2016 ppm	-0.0024 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0027 ppm	0.0003 ppm	0.0636 ppm	1.1977 ppm	-0.0013 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0030 ppm	-0.0001 ppm	0.0608 ppm	1.2257 ppm	-0.0008 ppm
Concentration RSD	4.8 %	55.2 %	6.1 %	448.2 %	2.6 %	1.3 %	55.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.0884 ppm	0.0039 ppm	0.0011 ppm	12.2210 ppm	0.0007 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run 1	8.0900 ppm	0.0036 ppm	0.0012 ppm	12.2275 ppm	0.0007 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run 2	8.0818 ppm	0.0038 ppm	0.0011 ppm	12.2123 ppm	0.0006 ppm	-0.0001 ppm	0.0023 ppm
Concentration per Run 3	8.0935 ppm	0.0042 ppm	0.0009 ppm	12.2232 ppm	0.0007 ppm	0.0005 ppm	0.0011 ppm
Concentration RSD	0.1 %	7.1 %	13.4 %	0.1 %	9.6 %	124.7 %	46.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	4.2885 ppm	0.0004 ppm	0.0888 ppm	0.0026 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run 1	-0.0020 ppm	4.2953 ppm	0.0006 ppm	0.0889 ppm	0.0026 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 2	0.0006 ppm	4.2823 ppm	0.0003 ppm	0.0888 ppm	0.0027 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	-0.0005 ppm	4.2879 ppm	0.0003 ppm	0.0887 ppm	0.0025 ppm	-0.0025 ppm	0.0002 ppm
Concentration RSD	204.7 %	0.2 %	48.4 %	0.1 %	4.1 %	132.4 %	32.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	98.5775 %	97.3522 %	96.2618 %	102.6968 %	99.5160 %	100.8982 %
Concentration per Run 1	0.0010 ppm	98.7885 %	97.1303 %	96.1476 %	102.8031 %	99.5356 %	100.8004 %
Concentration per Run 2	0.0010 ppm	98.4128 %	97.5342 %	96.4894 %	102.5687 %	99.5117 %	100.9463 %
Concentration per Run 3	0.0010 ppm	98.5311 %	97.3921 %	96.1486 %	102.7185 %	99.5006 %	100.9479 %
Concentration RSD	1.7 %	0.2 %	0.2 %	0.2 %	0.1 %	0.0 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-10 WG2082283
Analysis started at: 6/30/2025 10:46:32 PM
Comments <Comment>
Rack: 2
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0056 ppm	0.0014 ppm	0.0194 ppm	0.0120 ppm	0.0000 ppm	23.3981 ppm
Concentration per Run 1	-0.0002 ppm	0.0057 ppm	0.0020 ppm	0.0195 ppm	0.0118 ppm	0.0000 ppm	23.1617 ppm
Concentration per Run 2	0.0002 ppm	0.0018 ppm	0.0000 ppm	0.0191 ppm	0.0121 ppm	0.0001 ppm	23.6389 ppm
Concentration per Run 3	-0.0001 ppm	0.0092 ppm	0.0021 ppm	0.0196 ppm	0.0120 ppm	0.0000 ppm	23.3938 ppm
Concentration RSD	862.7 %	66.4 %	86.9 %	1.4 %	1.1 %	99.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0013 ppm	-0.0001 ppm	0.0181 ppm	1.3969 ppm	-0.0014 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0013 ppm	-0.0002 ppm	0.0181 ppm	1.3512 ppm	-0.0011 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0001 ppm	0.0176 ppm	1.4356 ppm	-0.0024 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0013 ppm	-0.0003 ppm	0.0187 ppm	1.4039 ppm	-0.0008 ppm
Concentration RSD	6.7 %	410.8 %	4.0 %	156.6 %	3.2 %	3.0 %	60.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9911 ppm	0.0037 ppm	0.0014 ppm	10.1656 ppm	0.0025 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 1	4.9661 ppm	0.0035 ppm	0.0013 ppm	10.0968 ppm	0.0025 ppm	0.0002 ppm	0.0010 ppm
Concentration per Run 2	4.9976 ppm	0.0040 ppm	0.0014 ppm	10.2496 ppm	0.0026 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 3	5.0097 ppm	0.0037 ppm	0.0013 ppm	10.1503 ppm	0.0023 ppm	0.0006 ppm	0.0005 ppm
Concentration RSD	0.5 %	7.2 %	4.7 %	0.8 %	5.2 %	50.6 %	149.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	1.0113 ppm	0.0000 ppm	0.0750 ppm	0.0003 ppm	-0.0012 ppm	0.0006 ppm
Concentration per Run 1	-0.0009 ppm	1.0090 ppm	0.0000 ppm	0.0744 ppm	0.0003 ppm	0.0008 ppm	0.0006 ppm
Concentration per Run 2	0.0013 ppm	1.0106 ppm	0.0001 ppm	0.0759 ppm	0.0003 ppm	-0.0024 ppm	0.0007 ppm
Concentration per Run 3	-0.0026 ppm	1.0142 ppm	-0.0002 ppm	0.0748 ppm	0.0001 ppm	-0.0020 ppm	0.0005 ppm
Concentration RSD	263.5 %	0.3 %	829.1 %	1.0 %	37.8 %	141.6 %	14.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0014 ppm	97.7243 %	96.8427 %	95.8018 %	101.4179 %	99.5839 %	100.7440 %
Concentration per Run 1	0.0013 ppm	99.2699 %	97.0096 %	95.7707 %	102.1559 %	99.7673 %	101.1855 %
Concentration per Run 2	0.0014 ppm	96.5608 %	96.8210 %	95.8304 %	100.3456 %	99.5775 %	100.6602 %
Concentration per Run 3	0.0014 ppm	97.3421 %	96.6976 %	95.8044 %	101.7522 %	99.4068 %	100.3863 %
Concentration RSD	4.7 %	1.4 %	0.2 %	0.0 %	0.9 %	0.2 %	0.4 %

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Sample: L2536247-11 WG2082283
Analysis started at: 6/30/2025 10:52:53 PM
Comments <Comment>
Rack: 2
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0505 ppm	0.0011 ppm	0.0091 ppm	0.0023 ppm	0.0000 ppm	8.3335 ppm
Concentration per Run 1	0.0003 ppm	0.0495 ppm	0.0015 ppm	0.0091 ppm	0.0023 ppm	0.0000 ppm	8.3337 ppm
Concentration per Run 2	0.0003 ppm	0.0542 ppm	0.0002 ppm	0.0089 ppm	0.0022 ppm	0.0000 ppm	8.3171 ppm
Concentration per Run 3	0.0004 ppm	0.0479 ppm	0.0015 ppm	0.0093 ppm	0.0023 ppm	0.0000 ppm	8.3498 ppm
Concentration RSD	8.2 %	6.5 %	67.2 %	2.2 %	3.9 %	50.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.0002 ppm	1.1565 ppm	1.0353 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0002 ppm	1.1540 ppm	1.0384 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0001 ppm	1.1559 ppm	1.0400 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0004 ppm	1.1596 ppm	1.0274 ppm	0.0006 ppm
Concentration RSD	20.5 %	143.4 %	20.2 %	81.3 %	0.2 %	0.7 %	62.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.3424 ppm	0.0322 ppm	0.0008 ppm	5.9790 ppm	0.0000 ppm	0.0006 ppm	0.0014 ppm
Concentration per Run 1	3.3351 ppm	0.0317 ppm	0.0009 ppm	5.9638 ppm	0.0000 ppm	0.0008 ppm	0.0009 ppm
Concentration per Run 2	3.3428 ppm	0.0326 ppm	0.0007 ppm	5.9834 ppm	-0.0002 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 3	3.3493 ppm	0.0323 ppm	0.0008 ppm	5.9899 ppm	0.0003 ppm	0.0011 ppm	0.0012 ppm
Concentration RSD	0.2 %	1.3 %	16.3 %	0.2 %	623.3 %	90.0 %	46.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	13.5352 ppm	-0.0001 ppm	0.0399 ppm	0.0029 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	13.5211 ppm	0.0000 ppm	0.0396 ppm	0.0028 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 2	0.0014 ppm	13.5208 ppm	0.0000 ppm	0.0402 ppm	0.0027 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 3	0.0016 ppm	13.5639 ppm	-0.0003 ppm	0.0399 ppm	0.0030 ppm	-0.0011 ppm	0.0005 ppm
Concentration RSD	76.9 %	0.2 %	167.9 %	0.7 %	4.8 %	136.0 %	14.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	98.1042 %	97.9869 %	97.1335 %	102.1946 %	101.1906 %	101.7661 %
Concentration per Run 1	0.0013 ppm	97.7098 %	97.8657 %	97.2887 %	102.6045 %	101.2406 %	101.8388 %
Concentration per Run 2	0.0014 ppm	98.7176 %	98.0044 %	96.8737 %	102.6824 %	101.2332 %	101.6865 %
Concentration per Run 3	0.0013 ppm	97.8853 %	98.0906 %	97.2381 %	101.2968 %	101.0979 %	101.7731 %
Concentration RSD	6.4 %	0.5 %	0.1 %	0.2 %	0.8 %	0.1 %	0.1 %

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Sample: L2536247-13 WG2082283
Analysis started at: 6/30/2025 10:59:13 PM
Comments <Comment>
Rack: 2
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.2305 ppm	0.0022 ppm	0.0206 ppm	0.0228 ppm	0.0000 ppm	24.9187 ppm
Concentration per Run 1	-0.0005 ppm	0.2246 ppm	0.0031 ppm	0.0207 ppm	0.0223 ppm	0.0000 ppm	24.3695 ppm
Concentration per Run 2	-0.0004 ppm	0.2352 ppm	0.0017 ppm	0.0205 ppm	0.0229 ppm	0.0000 ppm	25.0529 ppm
Concentration per Run 3	0.0001 ppm	0.2318 ppm	0.0020 ppm	0.0205 ppm	0.0231 ppm	0.0001 ppm	25.3338 ppm
Concentration RSD	131.0 %	2.4 %	33.4 %	0.4 %	1.8 %	67.2 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0082 ppm	0.0008 ppm	0.4126 ppm	2.0076 ppm	-0.0004 ppm
Concentration per Run 1	-0.0002 ppm	0.0003 ppm	0.0083 ppm	0.0007 ppm	0.4059 ppm	1.9584 ppm	-0.0003 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0079 ppm	0.0006 ppm	0.4134 ppm	2.0143 ppm	-0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0084 ppm	0.0010 ppm	0.4184 ppm	2.0500 ppm	-0.0005 ppm
Concentration RSD	18.5 %	28.9 %	3.1 %	21.9 %	1.5 %	2.3 %	31.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.7801 ppm	0.0242 ppm	0.0008 ppm	9.5106 ppm	0.0036 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	4.7834 ppm	0.0236 ppm	0.0008 ppm	9.3186 ppm	0.0036 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 2	4.7464 ppm	0.0241 ppm	0.0009 ppm	9.5681 ppm	0.0035 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run 3	4.8106 ppm	0.0248 ppm	0.0007 ppm	9.6451 ppm	0.0036 ppm	0.0005 ppm	0.0001 ppm
Concentration RSD	0.7 %	2.5 %	9.7 %	1.8 %	1.7 %	9.1 %	193.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	2.6326 ppm	-0.0005 ppm	0.0693 ppm	0.0131 ppm	-0.0011 ppm	0.0014 ppm
Concentration per Run 1	0.0003 ppm	2.6394 ppm	-0.0006 ppm	0.0680 ppm	0.0133 ppm	-0.0002 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	2.6337 ppm	-0.0003 ppm	0.0696 ppm	0.0130 ppm	-0.0026 ppm	0.0014 ppm
Concentration per Run 3	0.0009 ppm	2.6246 ppm	-0.0004 ppm	0.0703 ppm	0.0131 ppm	-0.0004 ppm	0.0015 ppm
Concentration RSD	97.8 %	0.3 %	31.3 %	1.7 %	0.9 %	126.1 %	6.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	99.9742 %	97.2949 %	95.9619 %	104.4024 %	99.6449 %	101.0071 %
Concentration per Run 1	0.0012 ppm	102.3008 %	97.2771 %	96.0303 %	106.3692 %	99.4179 %	100.9437 %
Concentration per Run 2	0.0013 ppm	99.3754 %	97.4896 %	95.9398 %	104.1894 %	99.6824 %	101.3622 %
Concentration per Run 3	0.0013 ppm	98.2464 %	97.1181 %	95.9156 %	102.6486 %	99.8345 %	100.7154 %
Concentration RSD	5.3 %	2.1 %	0.2 %	0.1 %	1.8 %	0.2 %	0.3 %

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Sample: L2536247-14 WG2082283
Analysis started at: 6/30/2025 11:05:34 PM
Comments <Comment>
Rack: 2
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0192 ppm	0.0002 ppm	0.0179 ppm	0.0448 ppm	0.0000 ppm	25.6520 ppm
Concentration per Run 1	-0.0001 ppm	0.0168 ppm	0.0016 ppm	0.0178 ppm	0.0445 ppm	0.0000 ppm	25.4744 ppm
Concentration per Run 2	-0.0002 ppm	0.0152 ppm	-0.0011 ppm	0.0177 ppm	0.0448 ppm	0.0000 ppm	25.7108 ppm
Concentration per Run 3	0.0001 ppm	0.0257 ppm	0.0001 ppm	0.0182 ppm	0.0450 ppm	0.0000 ppm	25.7709 ppm
Concentration RSD	176.7 %	29.5 %	667.8 %	1.4 %	0.5 %	177.0 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0056 ppm	0.0001 ppm	0.0740 ppm	0.9769 ppm	-0.0019 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0058 ppm	0.0001 ppm	0.0729 ppm	0.9808 ppm	-0.0020 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0054 ppm	0.0001 ppm	0.0739 ppm	0.9765 ppm	-0.0019 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0055 ppm	0.0001 ppm	0.0752 ppm	0.9733 ppm	-0.0017 ppm
Concentration RSD	6.0 %	69.4 %	4.0 %	25.2 %	1.5 %	0.4 %	8.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.8891 ppm	0.0055 ppm	0.0005 ppm	9.1442 ppm	0.0034 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 1	5.8791 ppm	0.0055 ppm	0.0005 ppm	9.0854 ppm	0.0033 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run 2	5.8861 ppm	0.0054 ppm	0.0004 ppm	9.1821 ppm	0.0037 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run 3	5.9021 ppm	0.0055 ppm	0.0006 ppm	9.1652 ppm	0.0032 ppm	-0.0006 ppm	0.0015 ppm
Concentration RSD	0.2 %	0.6 %	13.0 %	0.6 %	6.7 %	1,453.8 %	23.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	3.2560 ppm	-0.0004 ppm	0.0860 ppm	0.0010 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run 1	-0.0013 ppm	3.2628 ppm	0.0000 ppm	0.0853 ppm	0.0010 ppm	-0.0017 ppm	0.0003 ppm
Concentration per Run 2	-0.0025 ppm	3.2508 ppm	-0.0005 ppm	0.0862 ppm	0.0011 ppm	-0.0027 ppm	0.0003 ppm
Concentration per Run 3	0.0024 ppm	3.2543 ppm	-0.0008 ppm	0.0865 ppm	0.0009 ppm	-0.0011 ppm	0.0003 ppm
Concentration RSD	526.5 %	0.2 %	90.3 %	0.7 %	12.3 %	45.0 %	13.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	97.5374 %	96.8480 %	95.5881 %	102.5544 %	99.4394 %	101.3809 %
Concentration per Run 1	0.0008 ppm	97.9094 %	96.9229 %	95.5641 %	103.1319 %	99.1477 %	101.5261 %
Concentration per Run 2	0.0008 ppm	97.4629 %	96.7379 %	95.6205 %	102.1577 %	99.6052 %	101.3011 %
Concentration per Run 3	0.0006 ppm	97.2399 %	96.8831 %	95.5797 %	102.3734 %	99.5651 %	101.3154 %
Concentration RSD	12.9 %	0.3 %	0.1 %	0.0 %	0.5 %	0.3 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-15 WG2082283
Analysis started at: 6/30/2025 11:11:56 PM
Comments <Comment>
Rack: 2
Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.1216 ppm	0.0005 ppm	0.0476 ppm	0.0244 ppm	0.0000 ppm	29.2995 ppm
Concentration per Run 1	-0.0002 ppm	0.1208 ppm	0.0010 ppm	0.0473 ppm	0.0241 ppm	0.0000 ppm	28.6253 ppm
Concentration per Run 2	-0.0002 ppm	0.1212 ppm	0.0014 ppm	0.0482 ppm	0.0244 ppm	0.0001 ppm	29.4271 ppm
Concentration per Run 3	-0.0001 ppm	0.1229 ppm	-0.0010 ppm	0.0473 ppm	0.0248 ppm	0.0000 ppm	29.8461 ppm
Concentration RSD	42.1 %	0.9 %	268.7 %	1.1 %	1.4 %	78.6 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0044 ppm	0.0005 ppm	0.2329 ppm	1.6163 ppm	-0.0013 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0042 ppm	0.0004 ppm	0.2259 ppm	1.5625 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0045 ppm	0.0007 ppm	0.2354 ppm	1.6089 ppm	-0.0010 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0046 ppm	0.0005 ppm	0.2373 ppm	1.6776 ppm	-0.0018 ppm
Concentration RSD	21.3 %	21.4 %	4.4 %	28.4 %	2.6 %	3.6 %	36.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.4693 ppm	0.0591 ppm	0.0003 ppm	9.6274 ppm	0.0023 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 1	7.4637 ppm	0.0571 ppm	0.0004 ppm	9.4224 ppm	0.0022 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run 2	7.4908 ppm	0.0595 ppm	0.0003 ppm	9.6699 ppm	0.0023 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run 3	7.4534 ppm	0.0606 ppm	0.0003 ppm	9.7898 ppm	0.0023 ppm	-0.0001 ppm	0.0003 ppm
Concentration RSD	0.3 %	3.0 %	24.1 %	1.9 %	1.4 %	94.8 %	98.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	4.8064 ppm	0.0000 ppm	0.0877 ppm	0.0073 ppm	-0.0019 ppm	0.0009 ppm
Concentration per Run 1	-0.0026 ppm	4.7960 ppm	-0.0004 ppm	0.0859 ppm	0.0074 ppm	-0.0028 ppm	0.0009 ppm
Concentration per Run 2	-0.0005 ppm	4.8319 ppm	-0.0004 ppm	0.0882 ppm	0.0070 ppm	-0.0027 ppm	0.0009 ppm
Concentration per Run 3	-0.0009 ppm	4.7914 ppm	0.0009 ppm	0.0890 ppm	0.0075 ppm	-0.0002 ppm	0.0008 ppm
Concentration RSD	86.6 %	0.5 %	3,445.3 %	1.8 %	3.2 %	75.6 %	11.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	99.9329 %	97.0540 %	95.7358 %	103.8902 %	99.0415 %	101.3576 %
Concentration per Run 1	0.0008 ppm	102.8307 %	97.0774 %	95.8687 %	106.5228 %	99.2136 %	101.4623 %
Concentration per Run 2	0.0009 ppm	99.4116 %	97.1047 %	95.7148 %	103.2606 %	98.7975 %	101.2464 %
Concentration per Run 3	0.0008 ppm	97.5564 %	96.9800 %	95.6239 %	101.8871 %	99.1135 %	101.3641 %
Concentration RSD	6.8 %	2.7 %	0.1 %	0.1 %	2.3 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-16 WG2082283
Analysis started at: 6/30/2025 11:18:18 PM
Comments <Comment>
Rack: 2
Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0324 ppm	0.0000 ppm	0.0126 ppm	0.0232 ppm	0.0000 ppm	25.6125 ppm
Concentration per Run 1	0.0005 ppm	0.0294 ppm	0.0005 ppm	0.0126 ppm	0.0233 ppm	0.0000 ppm	25.7347 ppm
Concentration per Run 2	-0.0001 ppm	0.0306 ppm	-0.0010 ppm	0.0125 ppm	0.0230 ppm	0.0000 ppm	25.5209 ppm
Concentration per Run 3	0.0001 ppm	0.0371 ppm	0.0004 ppm	0.0126 ppm	0.0232 ppm	0.0000 ppm	25.5819 ppm
Concentration RSD	233.3 %	12.8 %	10,678.7 %	0.3 %	0.7 %	15.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0045 ppm	0.0008 ppm	0.0934 ppm	1.6102 ppm	-0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0000 ppm	0.0044 ppm	0.0009 ppm	0.0929 ppm	1.6051 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0047 ppm	0.0006 ppm	0.0940 ppm	1.6062 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0044 ppm	0.0009 ppm	0.0934 ppm	1.6192 ppm	-0.0008 ppm
Concentration RSD	25.3 %	77.8 %	4.6 %	21.9 %	0.6 %	0.5 %	72.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0536 ppm	0.0056 ppm	0.0003 ppm	8.9294 ppm	0.0059 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	5.0537 ppm	0.0055 ppm	0.0003 ppm	8.9534 ppm	0.0060 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	5.0622 ppm	0.0056 ppm	0.0004 ppm	8.9099 ppm	0.0058 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run 3	5.0449 ppm	0.0058 ppm	0.0003 ppm	8.9250 ppm	0.0058 ppm	-0.0003 ppm	-0.0002 ppm
Concentration RSD	0.2 %	2.3 %	22.3 %	0.2 %	1.9 %	732.4 %	1,040.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	2.8563 ppm	-0.0005 ppm	0.0716 ppm	0.0012 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 1	0.0018 ppm	2.8531 ppm	-0.0005 ppm	0.0719 ppm	0.0014 ppm	0.0016 ppm	0.0007 ppm
Concentration per Run 2	-0.0021 ppm	2.8656 ppm	-0.0007 ppm	0.0714 ppm	0.0012 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run 3	0.0008 ppm	2.8501 ppm	-0.0004 ppm	0.0716 ppm	0.0011 ppm	-0.0006 ppm	0.0008 ppm
Concentration RSD	1,047.9 %	0.3 %	33.5 %	0.4 %	14.5 %	683.9 %	9.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	97.2795 %	96.2465 %	94.8950 %	101.5172 %	98.8887 %	100.7359 %
Concentration per Run 1	0.0003 ppm	97.2847 %	96.2752 %	94.7118 %	101.2502 %	98.8830 %	100.7134 %
Concentration per Run 2	0.0002 ppm	97.2156 %	96.0767 %	94.9192 %	101.8595 %	98.7735 %	100.6253 %
Concentration per Run 3	0.0002 ppm	97.3381 %	96.3877 %	95.0539 %	101.4419 %	99.0096 %	100.8690 %
Concentration RSD	17.8 %	0.1 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-17 WG2082283
Analysis started at: 6/30/2025 11:24:41 PM
Comments <Comment>
Rack: 2
Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0070 ppm	0.0008 ppm	0.0130 ppm	0.0154 ppm	0.0000 ppm	24.9164 ppm
Concentration per Run 1	0.0000 ppm	0.0074 ppm	0.0010 ppm	0.0129 ppm	0.0153 ppm	0.0000 ppm	24.7518 ppm
Concentration per Run 2	0.0001 ppm	0.0081 ppm	0.0012 ppm	0.0132 ppm	0.0156 ppm	0.0000 ppm	24.9253 ppm
Concentration per Run 3	-0.0001 ppm	0.0055 ppm	0.0000 ppm	0.0128 ppm	0.0154 ppm	0.0000 ppm	25.0720 ppm
Concentration RSD	9,372.5 %	19.7 %	82.4 %	1.7 %	0.8 %	147.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0010 ppm	0.0000 ppm	0.1504 ppm	2.1034 ppm	-0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm	0.1488 ppm	2.1000 ppm	-0.0011 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0001 ppm	0.1515 ppm	2.1066 ppm	-0.0008 ppm
Concentration per Run 3	-0.0002 ppm	-0.0001 ppm	0.0012 ppm	0.0001 ppm	0.1509 ppm	2.1036 ppm	-0.0014 ppm
Concentration RSD	15.9 %	84.0 %	24.5 %	1,141.7 %	0.9 %	0.2 %	30.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0660 ppm	0.0063 ppm	0.0010 ppm	8.8051 ppm	0.0007 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	5.0703 ppm	0.0064 ppm	0.0010 ppm	8.7435 ppm	0.0006 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 2	5.0605 ppm	0.0063 ppm	0.0012 ppm	8.8400 ppm	0.0008 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run 3	5.0673 ppm	0.0063 ppm	0.0010 ppm	8.8317 ppm	0.0007 ppm	0.0007 ppm	0.0019 ppm
Concentration RSD	0.1 %	0.7 %	9.8 %	0.6 %	11.5 %	251.5 %	67.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	1.7414 ppm	-0.0005 ppm	0.0736 ppm	0.0005 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0009 ppm	1.7382 ppm	-0.0004 ppm	0.0732 ppm	0.0002 ppm	-0.0019 ppm	0.0009 ppm
Concentration per Run 2	0.0006 ppm	1.7417 ppm	-0.0009 ppm	0.0739 ppm	0.0007 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 3	0.0036 ppm	1.7442 ppm	-0.0002 ppm	0.0738 ppm	0.0005 ppm	0.0008 ppm	0.0008 ppm
Concentration RSD	99.8 %	0.2 %	68.4 %	0.5 %	58.8 %	1,216.3 %	12.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	96.8193 %	96.4945 %	95.2168 %	101.4315 %	99.1405 %	100.7324 %
Concentration per Run 1	0.0005 ppm	96.7675 %	96.2369 %	95.3836 %	102.0130 %	99.4187 %	100.5735 %
Concentration per Run 2	0.0005 ppm	97.0940 %	96.5121 %	95.0552 %	101.4207 %	98.9554 %	100.7173 %
Concentration per Run 3	0.0005 ppm	96.5965 %	96.7346 %	95.2117 %	100.8607 %	99.0476 %	100.9064 %
Concentration RSD	4.9 %	0.3 %	0.3 %	0.2 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-18 WG2082283
Analysis started at: 6/30/2025 11:31:04 PM
Comments <Comment>
Rack: 2
Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.9653 ppm	0.0007 ppm	0.0196 ppm	0.0297 ppm	0.0001 ppm	21.9759 ppm
Concentration per Run 1	0.0003 ppm	0.9748 ppm	0.0004 ppm	0.0197 ppm	0.0299 ppm	0.0000 ppm	22.1942 ppm
Concentration per Run 2	-0.0001 ppm	0.9617 ppm	0.0008 ppm	0.0196 ppm	0.0296 ppm	0.0001 ppm	21.9204 ppm
Concentration per Run 3	-0.0002 ppm	0.9595 ppm	0.0008 ppm	0.0195 ppm	0.0294 ppm	0.0001 ppm	21.8130 ppm
Concentration RSD	5,291.2 %	0.9 %	36.0 %	0.5 %	0.9 %	19.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0016 ppm	0.1476 ppm	0.0023 ppm	2.1297 ppm	1.1558 ppm	-0.0001 ppm
Concentration per Run 1	-0.0002 ppm	0.0017 ppm	0.1480 ppm	0.0021 ppm	2.1418 ppm	1.1752 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	0.0016 ppm	0.1480 ppm	0.0023 ppm	2.1312 ppm	1.1621 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0015 ppm	0.1467 ppm	0.0025 ppm	2.1162 ppm	1.1300 ppm	-0.0011 ppm
Concentration RSD	15.7 %	5.9 %	0.5 %	9.6 %	0.6 %	2.0 %	1,125.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.0898 ppm	0.0733 ppm	0.0011 ppm	10.0170 ppm	0.0209 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 1	6.0853 ppm	0.0743 ppm	0.0012 ppm	10.1418 ppm	0.0208 ppm	0.0010 ppm	0.0014 ppm
Concentration per Run 2	6.1204 ppm	0.0732 ppm	0.0011 ppm	9.9780 ppm	0.0209 ppm	0.0009 ppm	-0.0016 ppm
Concentration per Run 3	6.0636 ppm	0.0724 ppm	0.0010 ppm	9.9312 ppm	0.0209 ppm	0.0012 ppm	0.0013 ppm
Concentration RSD	0.5 %	1.3 %	10.8 %	1.1 %	0.3 %	15.3 %	471.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	3.2989 ppm	-0.0003 ppm	0.0523 ppm	0.0376 ppm	-0.0020 ppm	0.0030 ppm
Concentration per Run 1	0.0017 ppm	3.2985 ppm	-0.0002 ppm	0.0528 ppm	0.0374 ppm	-0.0021 ppm	0.0030 ppm
Concentration per Run 2	-0.0026 ppm	3.2991 ppm	-0.0004 ppm	0.0522 ppm	0.0379 ppm	-0.0008 ppm	0.0030 ppm
Concentration per Run 3	0.0001 ppm	3.2992 ppm	-0.0003 ppm	0.0520 ppm	0.0373 ppm	-0.0030 ppm	0.0031 ppm
Concentration RSD	831.0 %	0.0 %	36.8 %	0.9 %	0.9 %	56.3 %	2.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	97.8702 %	98.1187 %	96.7608 %	101.3122 %	100.0716 %	102.0108 %
Concentration per Run 1	0.0035 ppm	97.4772 %	98.0087 %	96.8228 %	100.4446 %	99.9927 %	102.0630 %
Concentration per Run 2	0.0034 ppm	97.4826 %	97.8993 %	96.5858 %	101.3325 %	99.9896 %	101.7071 %
Concentration per Run 3	0.0035 ppm	98.6509 %	98.4480 %	96.8738 %	102.1595 %	100.2326 %	102.2623 %
Concentration RSD	0.3 %	0.7 %	0.3 %	0.2 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-20 WG2082283
Analysis started at: 6/30/2025 11:37:24 PM
Comments <Comment>
Rack: 2
Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0459 ppm	0.0007 ppm	0.0121 ppm	0.0237 ppm	0.0000 ppm	25.8991 ppm
Concentration per Run 1	-0.0001 ppm	0.0480 ppm	0.0017 ppm	0.0123 ppm	0.0240 ppm	0.0000 ppm	26.2001 ppm
Concentration per Run 2	-0.0002 ppm	0.0445 ppm	-0.0002 ppm	0.0119 ppm	0.0235 ppm	0.0000 ppm	25.7440 ppm
Concentration per Run 3	0.0001 ppm	0.0453 ppm	0.0006 ppm	0.0121 ppm	0.0235 ppm	0.0000 ppm	25.7531 ppm
Concentration RSD	226.9 %	4.0 %	139.5 %	1.9 %	1.3 %	27.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0060 ppm	0.0009 ppm	0.1192 ppm	1.6333 ppm	-0.0011 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0058 ppm	0.0010 ppm	0.1191 ppm	1.6539 ppm	-0.0003 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0061 ppm	0.0009 ppm	0.1192 ppm	1.6145 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0062 ppm	0.0008 ppm	0.1192 ppm	1.6316 ppm	-0.0018 ppm
Concentration RSD	18.1 %	47.0 %	3.3 %	7.5 %	0.0 %	1.2 %	71.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0638 ppm	0.0063 ppm	0.0004 ppm	9.0296 ppm	0.0064 ppm	0.0005 ppm	-0.0009 ppm
Concentration per Run 1	5.0843 ppm	0.0063 ppm	0.0005 ppm	9.1019 ppm	0.0064 ppm	0.0005 ppm	-0.0008 ppm
Concentration per Run 2	5.0522 ppm	0.0064 ppm	0.0005 ppm	8.9886 ppm	0.0064 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run 3	5.0547 ppm	0.0063 ppm	0.0003 ppm	8.9983 ppm	0.0064 ppm	0.0010 ppm	-0.0011 ppm
Concentration RSD	0.4 %	0.9 %	20.2 %	0.7 %	0.4 %	109.6 %	28.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0016 ppm	2.8645 ppm	0.0002 ppm	0.0724 ppm	0.0015 ppm	-0.0008 ppm	0.0007 ppm
Concentration per Run 1	-0.0012 ppm	2.8550 ppm	0.0000 ppm	0.0731 ppm	0.0015 ppm	-0.0022 ppm	0.0007 ppm
Concentration per Run 2	-0.0022 ppm	2.8647 ppm	0.0007 ppm	0.0720 ppm	0.0017 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run 3	-0.0015 ppm	2.8737 ppm	0.0000 ppm	0.0721 ppm	0.0015 ppm	0.0009 ppm	0.0008 ppm
Concentration RSD	30.7 %	0.3 %	198.7 %	0.8 %	7.5 %	193.2 %	8.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	96.8881 %	96.5299 %	95.4330 %	100.9736 %	99.1270 %	100.5933 %
Concentration per Run 1	0.0004 ppm	95.7724 %	96.2339 %	95.5388 %	99.9289 %	99.2468 %	100.3010 %
Concentration per Run 2	0.0005 ppm	97.8966 %	96.6192 %	95.4973 %	101.9842 %	99.1551 %	100.7347 %
Concentration per Run 3	0.0005 ppm	96.9953 %	96.7367 %	95.2630 %	101.0078 %	98.9791 %	100.7443 %
Concentration RSD	4.0 %	1.1 %	0.3 %	0.2 %	1.0 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 11:43:46 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5157 ppm	0.4587 ppm	0.4745 ppm	0.4903 ppm	0.4750 ppm	0.4575 ppm	0.4760 ppm
Concentration per Run 1	0.5156 ppm	0.4265 ppm	0.4745 ppm	0.4897 ppm	0.4464 ppm	0.4302 ppm	0.4441 ppm
Concentration per Run 2	0.5164 ppm	0.4694 ppm	0.4727 ppm	0.4912 ppm	0.4850 ppm	0.4679 ppm	0.4891 ppm
Concentration per Run 3	0.5150 ppm	0.4802 ppm	0.4762 ppm	0.4900 ppm	0.4934 ppm	0.4743 ppm	0.4950 ppm
Recovery Percentage 1	103.131 %	91.740 %	94.896 %	98.059 %	94.991 %	91.493 %	95.206 %
Concentration RSD	0.1 %	6.2 %	0.4 %	0.2 %	5.3 %	5.2 %	5.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5058 ppm	0.5137 ppm	0.5177 ppm	0.5111 ppm	0.4785 ppm	4.9843 ppm	0.4704 ppm
Concentration per Run 1	0.5060 ppm	0.5135 ppm	0.5181 ppm	0.5109 ppm	0.4492 ppm	4.6390 ppm	0.4419 ppm
Concentration per Run 2	0.5060 ppm	0.5146 ppm	0.5185 ppm	0.5119 ppm	0.4901 ppm	5.1151 ppm	0.4806 ppm
Concentration per Run 3	0.5055 ppm	0.5131 ppm	0.5165 ppm	0.5104 ppm	0.4962 ppm	5.1988 ppm	0.4888 ppm
Recovery Percentage 1	101.161 %	102.749 %	103.540 %	102.213 %	95.697 %	99.687 %	94.079 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.1 %	5.3 %	6.1 %	5.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5010 ppm	0.4740 ppm	0.4707 ppm	9.2560 ppm	0.5002 ppm	0.4980 ppm	0.5082 ppm
Concentration per Run 1	0.5015 ppm	0.4456 ppm	0.4699 ppm	8.7074 ppm	0.5000 ppm	0.4990 ppm	0.5078 ppm
Concentration per Run 2	0.5026 ppm	0.4855 ppm	0.4716 ppm	9.4550 ppm	0.5009 ppm	0.4982 ppm	0.5099 ppm
Concentration per Run 3	0.4987 ppm	0.4908 ppm	0.4707 ppm	9.6057 ppm	0.4997 ppm	0.4969 ppm	0.5069 ppm
Recovery Percentage 1	100.191 %	94.791 %	94.148 %	92.560 %	100.044 %	99.608 %	101.636 %
Concentration RSD	0.4 %	5.2 %	0.2 %	5.2 %	0.1 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4740 ppm	5.3706 ppm	0.4860 ppm	0.4817 ppm	0.4961 ppm	0.4832 ppm	0.5041 ppm
Concentration per Run 1	0.4750 ppm	5.3719 ppm	0.4860 ppm	0.4531 ppm	0.4958 ppm	0.4830 ppm	0.5031 ppm
Concentration per Run 2	0.4761 ppm	5.3787 ppm	0.4858 ppm	0.4919 ppm	0.4972 ppm	0.4823 ppm	0.5047 ppm
Concentration per Run 3	0.4709 ppm	5.3613 ppm	0.4861 ppm	0.4999 ppm	0.4952 ppm	0.4842 ppm	0.5045 ppm
Recovery Percentage 1	94.799 %	102.298 %	97.196 %	96.331 %	99.218 %	96.632 %	100.817 %
Concentration RSD	0.6 %	0.2 %	0.0 %	5.2 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5029 ppm	100.7177 %	96.9320 %	96.1682 %	104.4699 %	100.0120 %	100.9241 %
Concentration per Run 1	0.5034 ppm	106.9705 %	96.9424 %	96.0718 %	110.3507 %	99.8722 %	101.0317 %
Concentration per Run 2	0.5026 ppm	97.9910 %	96.9340 %	96.0107 %	101.9463 %	99.8167 %	100.7073 %
Concentration per Run 3	0.5026 ppm	97.1916 %	96.9197 %	96.4221 %	101.1126 %	100.3472 %	101.0334 %
Recovery Percentage 1	100.574 %						
Concentration RSD	0.1 %	5.4 %	0.0 %	0.2 %	4.9 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 11:49:54 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0016 ppm	0.0008 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run 1	0.0001 ppm	0.0028 ppm	0.0006 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0067 ppm
Concentration per Run 2	0.0001 ppm	-0.0027 ppm	0.0005 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run 3	0.0002 ppm	-0.0049 ppm	0.0014 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	2.073 %	-1.600 %	16.535 %	4.099 %	-0.049 %	0.809 %	4.648 %
Concentration RSD	40.7 %	248.7 %	62.2 %	5.7 %	1,660.1 %	23.2 %	57.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	-0.0035 ppm	-0.0018 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0263 ppm	-0.0023 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0101 ppm	-0.0016 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0008 ppm	0.0057 ppm	-0.0014 ppm
Recovery Percentage 1	-0.677 %	0.103 %	-0.497 %	-3.786 %	-0.280 %	-0.140 %	-17.783 %
Concentration RSD	20.5 %	537.8 %	159.8 %	48.1 %	433.3 %	566.7 %	27.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0013 ppm	0.0056 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 1	0.0021 ppm	-0.0005 ppm	0.0015 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	-0.0003 ppm	-0.0001 ppm	0.0013 ppm	0.0019 ppm	0.0001 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 3	-0.0022 ppm	0.0000 ppm	0.0011 ppm	0.0125 ppm	-0.0001 ppm	-0.0004 ppm	0.0009 ppm
Recovery Percentage 1	-0.107 %	-1.863 %	2.639 %	0.278 %	-0.025 %	0.307 %	1.581 %
Concentration RSD	1,983.4 %	127.6 %	17.4 %	107.9 %	1,896.6 %	1,392.3 %	57.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	-0.0049 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0015 ppm	-0.0048 ppm	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 2	-0.0012 ppm	-0.0048 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.0015 ppm	-0.0050 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0013 ppm	-0.0002 ppm
Recovery Percentage 1	5.889 %	-0.979 %	-0.465 %	0.548 %	1.676 %	-2.317 %	0.133 %
Concentration RSD	269.4 %	2.5 %	130.4 %	172.4 %	32.0 %	267.5 %	1,449.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	97.2045 %	98.3812 %	97.0719 %	100.4342 %	102.3425 %	100.7625 %
Concentration per Run 1	0.0002 ppm	97.2974 %	98.5129 %	97.1357 %	100.4735 %	102.2079 %	100.8579 %
Concentration per Run 2	0.0001 ppm	97.5092 %	98.4224 %	96.9876 %	100.4331 %	102.3523 %	100.7599 %
Concentration per Run 3	0.0000 ppm	96.8070 %	98.2082 %	97.0924 %	100.3958 %	102.4672 %	100.6696 %
Recovery Percentage 1	1.699 %						
Concentration RSD	143.1 %	0.4 %	0.2 %	0.1 %	0.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 11:56:21 PM
Comments <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5143 ppm	0.4773 ppm	0.4737 ppm	0.4913 ppm	0.4960 ppm	0.4664 ppm	0.4914 ppm
Concentration per Run 1	0.5126 ppm	0.4726 ppm	0.4742 ppm	0.4911 ppm	0.4914 ppm	0.4618 ppm	0.4903 ppm
Concentration per Run 2	0.5149 ppm	0.4771 ppm	0.4717 ppm	0.4904 ppm	0.4971 ppm	0.4674 ppm	0.4889 ppm
Concentration per Run 3	0.5154 ppm	0.4821 ppm	0.4752 ppm	0.4924 ppm	0.4996 ppm	0.4699 ppm	0.4950 ppm
Recovery Percentage 1	102.860 %	95.452 %	94.736 %	98.258 %	99.206 %	93.270 %	98.274 %
Concentration RSD	0.3 %	1.0 %	0.4 %	0.2 %	0.8 %	0.9 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5034 ppm	0.5110 ppm	0.5151 ppm	0.5075 ppm	0.4941 ppm	5.3248 ppm	0.4867 ppm
Concentration per Run 1	0.5037 ppm	0.5114 ppm	0.5140 ppm	0.5083 ppm	0.4884 ppm	5.3032 ppm	0.4811 ppm
Concentration per Run 2	0.5026 ppm	0.5094 ppm	0.5136 ppm	0.5068 ppm	0.4957 ppm	5.3578 ppm	0.4872 ppm
Concentration per Run 3	0.5039 ppm	0.5123 ppm	0.5176 ppm	0.5073 ppm	0.4981 ppm	5.3134 ppm	0.4919 ppm
Recovery Percentage 1	100.683 %	102.204 %	103.013 %	101.494 %	98.814 %	106.496 %	97.346 %
Concentration RSD	0.1 %	0.3 %	0.4 %	0.1 %	1.0 %	0.5 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4985 ppm	0.4846 ppm	0.4685 ppm	9.5403 ppm	0.4985 ppm	0.4966 ppm	0.5038 ppm
Concentration per Run 1	0.4971 ppm	0.4806 ppm	0.4679 ppm	9.4265 ppm	0.4984 ppm	0.4963 ppm	0.5013 ppm
Concentration per Run 2	0.4961 ppm	0.4852 ppm	0.4673 ppm	9.5497 ppm	0.4973 ppm	0.4950 ppm	0.5025 ppm
Concentration per Run 3	0.5022 ppm	0.4881 ppm	0.4704 ppm	9.6447 ppm	0.4997 ppm	0.4985 ppm	0.5075 ppm
Recovery Percentage 1	99.694 %	96.926 %	93.710 %	95.403 %	99.696 %	99.319 %	100.757 %
Concentration RSD	0.7 %	0.8 %	0.4 %	1.1 %	0.2 %	0.4 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4724 ppm	5.3103 ppm	0.4827 ppm	0.4944 ppm	0.4911 ppm	0.4820 ppm	0.5001 ppm
Concentration per Run 1	0.4700 ppm	5.3142 ppm	0.4837 ppm	0.4888 ppm	0.4906 ppm	0.4812 ppm	0.4995 ppm
Concentration per Run 2	0.4722 ppm	5.2961 ppm	0.4808 ppm	0.4956 ppm	0.4905 ppm	0.4812 ppm	0.4994 ppm
Concentration per Run 3	0.4749 ppm	5.3206 ppm	0.4834 ppm	0.4989 ppm	0.4922 ppm	0.4835 ppm	0.5015 ppm
Recovery Percentage 1	94.475 %	101.149 %	96.534 %	98.885 %	98.222 %	96.397 %	100.025 %
Concentration RSD	0.5 %	0.2 %	0.3 %	1.0 %	0.2 %	0.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5006 ppm	95.4865 %	97.2691 %	96.4972 %	102.0346 %	100.2470 %	101.6023 %
Concentration per Run 1	0.5010 ppm	95.5272 %	97.5632 %	96.2789 %	102.8787 %	100.0822 %	102.0581 %
Concentration per Run 2	0.5000 ppm	95.1930 %	97.3279 %	96.8136 %	101.5865 %	100.5390 %	101.4939 %
Concentration per Run 3	0.5009 ppm	95.7393 %	96.9162 %	96.3989 %	101.6387 %	100.1199 %	101.2549 %
Recovery Percentage 1	100.127 %						
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	0.7 %	0.3 %	0.4 %

ICP DataTrace 5

7/1/2025 12:11:02 PM

LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 12:02:32 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0034 ppm	0.0012 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run 1	0.0004 ppm	-0.0055 ppm	0.0017 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	0.0001 ppm	-0.0050 ppm	0.0014 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run 3	0.0003 ppm	0.0005 ppm	0.0005 ppm	0.0014 ppm	-0.0002 ppm	0.0001 ppm	0.0077 ppm
Recovery Percentage 1	3.320 %	-3.352 %	24.265 %	4.999 %	-0.999 %	0.863 %	4.785 %
Concentration RSD	63.6 %	99.0 %	49.8 %	15.2 %	86.9 %	17.8 %	54.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	0.0021 ppm	-0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	-0.0116 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0006 ppm	-0.0006 ppm	0.0075 ppm	-0.0015 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.0105 ppm	-0.0012 ppm
Recovery Percentage 1	-0.040 %	-0.074 %	2.203 %	-5.061 %	-0.337 %	0.085 %	-15.134 %
Concentration RSD	1,113.2 %	511.4 %	6.0 %	25.3 %	258.5 %	562.0 %	19.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0002 ppm	0.0000 ppm	0.0015 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	0.0007 ppm	0.0001 ppm	0.0016 ppm	0.0015 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm
Concentration per Run 2	-0.0008 ppm	0.0002 ppm	0.0017 ppm	0.0012 ppm	0.0002 ppm	0.0004 ppm	0.0013 ppm
Concentration per Run 3	0.0007 ppm	-0.0002 ppm	0.0013 ppm	-0.0018 ppm	0.0002 ppm	0.0004 ppm	0.0012 ppm
Recovery Percentage 1	0.226 %	0.152 %	3.073 %	0.015 %	0.441 %	3.267 %	2.177 %
Concentration RSD	379.4 %	1,156.5 %	12.5 %	627.8 %	83.8 %	28.3 %	25.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	-0.0055 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0010 ppm	-0.0052 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0022 ppm	-0.0062 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 3	0.0034 ppm	-0.0052 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	-0.0017 ppm	0.0003 ppm
Recovery Percentage 1	21.775 %	-1.108 %	-0.381 %	0.640 %	3.170 %	-3.507 %	1.654 %
Concentration RSD	54.1 %	10.2 %	88.7 %	67.4 %	53.5 %	125.9 %	141.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	97.2595 %	98.1833 %	97.0205 %	101.2759 %	102.2294 %	101.5681 %
Concentration per Run 1	0.0000 ppm	99.0524 %	98.2860 %	97.2401 %	102.5295 %	102.1025 %	101.8088 %
Concentration per Run 2	0.0001 ppm	96.2449 %	98.0191 %	96.8888 %	100.6205 %	102.3369 %	101.2622 %
Concentration per Run 3	0.0001 ppm	96.4813 %	98.2448 %	96.9327 %	100.6777 %	102.2489 %	101.6333 %
Recovery Percentage 1	1.509 %						
Concentration RSD	48.0 %	1.6 %	0.1 %	0.2 %	1.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: Blank DMC Trace5
Analysis started at: 7/1/2025 5:54:20 AM
Comments <Comment>
Rack: 0
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	-0.7 %	1.5 %	0.1 %	0.4 %	0.8 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.1 %	-0.6 %	0.0 %	-0.5 %	-0.5 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.7 %	1.3 %	0.2 %	-0.2 %	-0.2 %	-0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.0 %	0.1 %	-0.3 %	-0.3 %	-0.4 %	-0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

LabBook: WG2085564_07012025T5.imexp

Sample: ICAL
Analysis started at: 7/1/2025 6:00:45 AM
Comments <Comment>
Rack: 0
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0052 ppm	24.8808 ppm	0.9984 ppm	1.0001 ppm	0.9958 ppm	0.9950 ppm	9.9618 ppm
Concentration per Run 2	0.9997 ppm	25.0166 ppm	0.9994 ppm	1.0001 ppm	1.0002 ppm	1.0017 ppm	10.0107 ppm
Concentration per Run 3	0.9950 ppm	25.1026 ppm	1.0022 ppm	0.9998 ppm	1.0040 ppm	1.0033 ppm	10.0275 ppm
Concentration RSD	0.5 %	0.4 %	0.2 %	0.0 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9991 ppm	0.9996 ppm	1.0015 ppm	1.0009 ppm	24.9831 ppm	34.8743 ppm	0.9957 ppm
Concentration per Run 2	1.0005 ppm	1.0002 ppm	0.9985 ppm	1.0004 ppm	24.9169 ppm	35.0253 ppm	1.0009 ppm
Concentration per Run 3	1.0004 ppm	1.0002 ppm	1.0000 ppm	0.9987 ppm	25.1000 ppm	35.1004 ppm	1.0034 ppm
Concentration RSD	0.1 %	0.0 %	0.2 %	0.1 %	0.4 %	0.3 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0531 ppm	0.9955 ppm	0.9992 ppm	24.8867 ppm	1.0004 ppm	1.0001 ppm	1.0008 ppm
Concentration per Run 2	9.9798 ppm	0.9998 ppm	1.0001 ppm	25.0150 ppm	0.9996 ppm	1.0007 ppm	0.9993 ppm
Concentration per Run 3	9.9671 ppm	1.0048 ppm	1.0007 ppm	25.0983 ppm	1.0000 ppm	0.9991 ppm	0.9999 ppm
Concentration RSD	0.5 %	0.5 %	0.1 %	0.4 %	0.0 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9962 ppm	10.0027 ppm	1.0027 ppm	0.9963 ppm	1.0030 ppm	1.0006 ppm	1.0004 ppm
Concentration per Run 2	1.0020 ppm	9.9984 ppm	0.9988 ppm	1.0008 ppm	0.9987 ppm	0.9992 ppm	1.0000 ppm
Concentration per Run 3	1.0018 ppm	9.9988 ppm	0.9986 ppm	1.0030 ppm	0.9983 ppm	1.0002 ppm	0.9996 ppm
Concentration RSD	0.3 %	0.0 %	0.2 %	0.3 %	0.3 %	0.1 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	100.0788 %	96.4021 %	96.9305 %	102.0920 %	95.1420 %	98.8892 %
Concentration per Run 1	0.9989 ppm	100.0198 %	96.3483 %	96.9906 %	102.4275 %	95.1502 %	98.5719 %
Concentration per Run 2	1.0012 ppm	100.5549 %	96.4606 %	96.9589 %	102.1985 %	95.1525 %	98.9905 %
Concentration per Run 3	0.9999 ppm	99.6616 %	96.3975 %	96.8419 %	101.6500 %	95.1234 %	99.1052 %
Concentration RSD	0.1 %	0.4 %	0.1 %	0.1 %	0.4 %	0.0 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:07:25 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5104 ppm	0.5028 ppm	0.4751 ppm	0.4852 ppm	0.5022 ppm	0.5111 ppm	0.5152 ppm
Concentration per Run 1	0.5119 ppm	0.5024 ppm	0.4750 ppm	0.4866 ppm	0.4997 ppm	0.5070 ppm	0.5123 ppm
Concentration per Run 2	0.5092 ppm	0.5064 ppm	0.4762 ppm	0.4844 ppm	0.5045 ppm	0.5128 ppm	0.5221 ppm
Concentration per Run 3	0.5102 ppm	0.4996 ppm	0.4742 ppm	0.4846 ppm	0.5025 ppm	0.5136 ppm	0.5114 ppm
Recovery Percentage 1	102.090 %	100.563 %	95.025 %	97.036 %	100.445 %	102.222 %	103.048 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.3 %	0.5 %	0.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4947 ppm	0.5011 ppm	0.5098 ppm	0.5050 ppm	0.5240 ppm	5.1967 ppm	0.4992 ppm
Concentration per Run 1	0.4963 ppm	0.5024 ppm	0.5099 ppm	0.5044 ppm	0.5244 ppm	5.1510 ppm	0.4967 ppm
Concentration per Run 2	0.4947 ppm	0.5014 ppm	0.5090 ppm	0.5052 ppm	0.5282 ppm	5.2491 ppm	0.5004 ppm
Concentration per Run 3	0.4931 ppm	0.4994 ppm	0.5105 ppm	0.5054 ppm	0.5193 ppm	5.1901 ppm	0.5005 ppm
Recovery Percentage 1	98.936 %	100.217 %	101.957 %	101.002 %	104.796 %	103.934 %	99.837 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.1 %	0.9 %	1.0 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5129 ppm	0.5197 ppm	0.4873 ppm	10.0317 ppm	0.5050 ppm	0.5049 ppm	0.5005 ppm
Concentration per Run 1	0.5129 ppm	0.5156 ppm	0.4887 ppm	9.9433 ppm	0.5066 ppm	0.5059 ppm	0.5017 ppm
Concentration per Run 2	0.5121 ppm	0.5220 ppm	0.4870 ppm	10.0695 ppm	0.5055 ppm	0.5046 ppm	0.5022 ppm
Concentration per Run 3	0.5138 ppm	0.5215 ppm	0.4863 ppm	10.0823 ppm	0.5028 ppm	0.5042 ppm	0.4978 ppm
Recovery Percentage 1	102.584 %	103.935 %	97.463 %	100.317 %	100.994 %	100.974 %	100.109 %
Concentration RSD	0.2 %	0.7 %	0.3 %	0.8 %	0.4 %	0.2 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4864 ppm	5.4355 ppm	0.5037 ppm	0.4992 ppm	0.5014 ppm	0.5114 ppm	0.5085 ppm
Concentration per Run 1	0.4859 ppm	5.4470 ppm	0.5072 ppm	0.4961 ppm	0.5021 ppm	0.5130 ppm	0.5082 ppm
Concentration per Run 2	0.4887 ppm	5.4394 ppm	0.5021 ppm	0.5004 ppm	0.5013 ppm	0.5126 ppm	0.5087 ppm
Concentration per Run 3	0.4847 ppm	5.4200 ppm	0.5019 ppm	0.5011 ppm	0.5009 ppm	0.5087 ppm	0.5086 ppm
Recovery Percentage 1	97.282 %	103.533 %	100.746 %	99.844 %	100.287 %	102.287 %	101.699 %
Concentration RSD	0.4 %	0.3 %	0.6 %	0.5 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5013 ppm	99.4454 %	98.3280 %	99.0055 %	100.7256 %	99.0508 %	100.2068 %
Concentration per Run 1	0.5031 ppm	99.0437 %	98.5246 %	98.7032 %	101.1216 %	98.6615 %	100.1623 %
Concentration per Run 2	0.5011 ppm	98.8194 %	98.2962 %	99.1174 %	100.2285 %	99.0774 %	100.2686 %
Concentration per Run 3	0.4996 ppm	100.4732 %	98.1631 %	99.1960 %	100.8266 %	99.4135 %	100.1897 %
Recovery Percentage 1	100.254 %						
Concentration RSD	0.4 %	0.9 %	0.2 %	0.3 %	0.5 %	0.4 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: ICB
Analysis started at: 7/1/2025 6:13:32 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0032 ppm	0.0010 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0175 ppm
Concentration per Run 1	0.0000 ppm	0.0011 ppm	0.0003 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0174 ppm
Concentration per Run 2	-0.0001 ppm	0.0081 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0173 ppm
Concentration per Run 3	0.0003 ppm	0.0004 ppm	0.0025 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0178 ppm
Recovery Percentage 1	0.660 %	3.220 %	20.880 %	3.463 %	1.459 %	1.059 %	17.514 %
Concentration RSD	405.6 %	132.3 %	119.0 %	19.4 %	32.0 %	51.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0229 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0492 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0009 ppm	0.0141 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0009 ppm	0.0053 ppm	-0.0002 ppm
Recovery Percentage 1	0.061 %	-0.535 %	1.232 %	-0.500 %	0.081 %	0.914 %	0.636 %
Concentration RSD	765.0 %	62.9 %	160.4 %	278.3 %	2,263.1 %	101.7 %	671.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.0054 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run 1	-0.0009 ppm	0.0000 ppm	0.0018 ppm	0.0076 ppm	-0.0001 ppm	0.0009 ppm	-0.0006 ppm
Concentration per Run 2	0.0003 ppm	0.0000 ppm	0.0017 ppm	0.0034 ppm	0.0002 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 3	0.0006 ppm	-0.0003 ppm	0.0014 ppm	0.0053 ppm	-0.0002 ppm	-0.0006 ppm	-0.0011 ppm
Recovery Percentage 1	-0.018 %	-1.101 %	3.326 %	0.272 %	-0.168 %	-1.066 %	-0.815 %
Concentration RSD	4,497.0 %	130.1 %	12.6 %	39.1 %	509.2 %	786.1 %	180.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	-0.0010 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 1	0.0004 ppm	-0.0015 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0014 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	-0.0008 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0019 ppm	0.0001 ppm
Recovery Percentage 1	9.779 %	-0.208 %	0.461 %	1.052 %	2.042 %	-2.350 %	1.365 %
Concentration RSD	55.4 %	41.8 %	89.4 %	100.2 %	55.7 %	287.9 %	29.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	98.7728 %	100.1712 %	100.3858 %	98.1568 %	100.4206 %	100.3811 %
Concentration per Run 1	0.0005 ppm	97.1972 %	100.2074 %	100.1613 %	96.7513 %	100.4089 %	100.4254 %
Concentration per Run 2	0.0006 ppm	99.3061 %	100.1511 %	100.5007 %	98.5301 %	100.4482 %	100.2935 %
Concentration per Run 3	0.0005 ppm	99.8151 %	100.1551 %	100.4954 %	99.1889 %	100.4048 %	100.4245 %
Recovery Percentage 1	11.170 %						
Concentration RSD	13.5 %	1.4 %	0.0 %	0.2 %	1.3 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:19:59 AM
Comments <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5183 ppm	0.5071 ppm	0.4746 ppm	0.4875 ppm	0.5114 ppm	0.5164 ppm	0.5238 ppm
Concentration per Run 1	0.5189 ppm	0.5052 ppm	0.4720 ppm	0.4878 ppm	0.5101 ppm	0.5148 ppm	0.5247 ppm
Concentration per Run 2	0.5178 ppm	0.5080 ppm	0.4759 ppm	0.4874 ppm	0.5136 ppm	0.5179 ppm	0.5215 ppm
Concentration per Run 3	0.5182 ppm	0.5082 ppm	0.4758 ppm	0.4874 ppm	0.5105 ppm	0.5167 ppm	0.5251 ppm
Recovery Percentage 1	103.663 %	101.427 %	94.920 %	97.508 %	102.276 %	103.289 %	104.756 %
Concentration RSD	0.1 %	0.3 %	0.5 %	0.0 %	0.4 %	0.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4901 ppm	0.4972 ppm	0.5063 ppm	0.5038 ppm	0.5214 ppm	5.3233 ppm	0.5151 ppm
Concentration per Run 1	0.4894 ppm	0.4970 ppm	0.5076 ppm	0.5046 ppm	0.5234 ppm	5.2747 ppm	0.5129 ppm
Concentration per Run 2	0.4906 ppm	0.4975 ppm	0.5056 ppm	0.5025 ppm	0.5237 ppm	5.3635 ppm	0.5168 ppm
Concentration per Run 3	0.4902 ppm	0.4972 ppm	0.5057 ppm	0.5043 ppm	0.5173 ppm	5.3317 ppm	0.5156 ppm
Recovery Percentage 1	98.014 %	99.443 %	101.259 %	100.768 %	104.287 %	106.466 %	103.013 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.7 %	0.8 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5138 ppm	0.5246 ppm	0.4842 ppm	10.3400 ppm	0.5025 ppm	0.5022 ppm	0.4968 ppm
Concentration per Run 1	0.5139 ppm	0.5224 ppm	0.4835 ppm	10.2831 ppm	0.5021 ppm	0.5024 ppm	0.4968 ppm
Concentration per Run 2	0.5148 ppm	0.5258 ppm	0.4848 ppm	10.3805 ppm	0.5031 ppm	0.5032 ppm	0.4972 ppm
Concentration per Run 3	0.5127 ppm	0.5255 ppm	0.4844 ppm	10.3563 ppm	0.5021 ppm	0.5010 ppm	0.4963 ppm
Recovery Percentage 1	102.757 %	104.914 %	96.847 %	103.400 %	100.493 %	100.439 %	99.359 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.5 %	0.1 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4864 ppm	5.3696 ppm	0.4994 ppm	0.5093 ppm	0.5008 ppm	0.5125 ppm	0.5069 ppm
Concentration per Run 1	0.4873 ppm	5.3698 ppm	0.4989 ppm	0.5074 ppm	0.5013 ppm	0.5139 ppm	0.5067 ppm
Concentration per Run 2	0.4864 ppm	5.3717 ppm	0.5002 ppm	0.5106 ppm	0.4997 ppm	0.5112 ppm	0.5072 ppm
Concentration per Run 3	0.4855 ppm	5.3673 ppm	0.4990 ppm	0.5099 ppm	0.5013 ppm	0.5124 ppm	0.5068 ppm
Recovery Percentage 1	97.278 %	102.278 %	99.870 %	101.865 %	100.158 %	102.497 %	101.381 %
Concentration RSD	0.2 %	0.0 %	0.1 %	0.3 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4969 ppm	99.2880 %	98.6895 %	99.1943 %	99.6859 %	99.2881 %	100.1574 %
Concentration per Run 1	0.4964 ppm	99.2892 %	98.6236 %	99.0310 %	100.2420 %	99.2678 %	100.1424 %
Concentration per Run 2	0.4975 ppm	98.5477 %	98.7467 %	99.1672 %	99.0553 %	99.2373 %	100.1598 %
Concentration per Run 3	0.4968 ppm	100.0270 %	98.6981 %	99.3846 %	99.7603 %	99.3591 %	100.1701 %
Recovery Percentage 1	99.380 %						
Concentration RSD	0.1 %	0.7 %	0.1 %	0.2 %	0.6 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: ICB
Analysis started at: 7/1/2025 6:26:09 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0031 ppm	0.0007 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0166 ppm
Concentration per Run 1	-0.0003 ppm	0.0026 ppm	0.0016 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run 2	-0.0001 ppm	0.0037 ppm	0.0000 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0128 ppm
Concentration per Run 3	-0.0001 ppm	0.0030 ppm	0.0006 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0218 ppm
Recovery Percentage 1	-1.765 %	3.121 %	14.120 %	3.944 %	0.356 %	0.450 %	16.618 %
Concentration RSD	94.6 %	18.4 %	113.6 %	26.8 %	313.0 %	179.5 %	27.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0115 ppm	-0.0007 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0123 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0218 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0005 ppm	0.0003 ppm	-0.0009 ppm
Recovery Percentage 1	-0.393 %	-0.950 %	0.273 %	-0.104 %	0.433 %	0.459 %	-7.120 %
Concentration RSD	151.6 %	37.3 %	1,235.6 %	1,192.3 %	151.6 %	94.0 %	111.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0016 ppm	0.0047 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0007 ppm	0.0002 ppm	0.0017 ppm	0.0065 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	-0.0013 ppm	0.0001 ppm	0.0015 ppm	0.0049 ppm	0.0000 ppm	-0.0005 ppm	-0.0010 ppm
Concentration per Run 3	0.0007 ppm	0.0001 ppm	0.0015 ppm	0.0026 ppm	0.0001 ppm	-0.0001 ppm	0.0006 ppm
Recovery Percentage 1	0.016 %	1.550 %	3.148 %	0.235 %	0.168 %	-1.164 %	-0.057 %
Concentration RSD	7,125.9 %	33.5 %	7.5 %	41.6 %	160.0 %	320.7 %	2,855.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	-0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0032 ppm	-0.0020 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0019 ppm	-0.0019 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	0.0019 ppm	-0.0018 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0025 ppm	-0.0001 ppm
Recovery Percentage 1	23.138 %	-0.378 %	-0.079 %	0.933 %	3.158 %	-1.064 %	0.560 %
Concentration RSD	31.4 %	4.7 %	802.0 %	22.0 %	36.8 %	931.8 %	289.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	101.8694 %	99.7589 %	100.0828 %	100.1596 %	100.2220 %	99.7777 %
Concentration per Run 1	0.0004 ppm	103.2977 %	99.8647 %	100.1324 %	101.9087 %	100.0088 %	99.7474 %
Concentration per Run 2	0.0005 ppm	100.8062 %	99.7285 %	100.1485 %	99.3540 %	100.3820 %	99.8364 %
Concentration per Run 3	0.0004 ppm	101.5042 %	99.6835 %	99.9676 %	99.2161 %	100.2753 %	99.7493 %
Recovery Percentage 1	8.266 %						
Concentration RSD	18.4 %	1.3 %	0.1 %	0.1 %	1.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: LLOQ RL
Analysis started at: 7/1/2025 6:32:35 AM
Comments <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0056 ppm	0.1065 ppm	0.0052 ppm	0.0301 ppm	0.0102 ppm	0.0052 ppm	0.1154 ppm
Concentration per Run 1	0.0053 ppm	0.1059 ppm	0.0048 ppm	0.0303 ppm	0.0100 ppm	0.0052 ppm	0.1116 ppm
Concentration per Run 2	0.0057 ppm	0.1066 ppm	0.0061 ppm	0.0300 ppm	0.0102 ppm	0.0053 ppm	0.1190 ppm
Concentration per Run 3	0.0058 ppm	0.1070 ppm	0.0048 ppm	0.0301 ppm	0.0103 ppm	0.0052 ppm	0.1156 ppm
Recovery Percentage 1	112.232 %	106.527 %	104.396 %	100.481 %	101.859 %	104.756 %	115.389 %
Concentration RSD	4.3 %	0.5 %	14.6 %	0.4 %	1.2 %	1.2 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0099 ppm	0.0103 ppm	0.0100 ppm	0.0526 ppm	2.6051 ppm	0.0103 ppm
Concentration per Run 1	0.0040 ppm	0.0100 ppm	0.0106 ppm	0.0102 ppm	0.0525 ppm	2.5492 ppm	0.0099 ppm
Concentration per Run 2	0.0040 ppm	0.0098 ppm	0.0103 ppm	0.0099 ppm	0.0530 ppm	2.6389 ppm	0.0104 ppm
Concentration per Run 3	0.0040 ppm	0.0099 ppm	0.0100 ppm	0.0100 ppm	0.0524 ppm	2.6272 ppm	0.0106 ppm
Recovery Percentage 1	100.218 %	98.822 %	102.839 %	99.978 %	105.254 %	104.205 %	102.983 %
Concentration RSD	0.5 %	1.1 %	2.6 %	1.4 %	0.6 %	1.9 %	3.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1062 ppm	0.0106 ppm	0.0488 ppm	2.0221 ppm	0.0198 ppm	0.0099 ppm	0.0498 ppm
Concentration per Run 1	0.1064 ppm	0.0104 ppm	0.0484 ppm	1.9790 ppm	0.0199 ppm	0.0101 ppm	0.0495 ppm
Concentration per Run 2	0.1069 ppm	0.0107 ppm	0.0488 ppm	2.0453 ppm	0.0199 ppm	0.0097 ppm	0.0505 ppm
Concentration per Run 3	0.1052 ppm	0.0108 ppm	0.0492 ppm	2.0420 ppm	0.0197 ppm	0.0099 ppm	0.0494 ppm
Recovery Percentage 1	106.190 %	106.478 %	97.629 %	101.104 %	99.000 %	99.045 %	99.588 %
Concentration RSD	0.8 %	1.7 %	0.8 %	1.8 %	0.6 %	2.4 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0111 ppm	0.5173 ppm	0.0502 ppm	0.0102 ppm	0.0104 ppm	0.0212 ppm	0.0100 ppm
Concentration per Run 1	0.0102 ppm	0.5172 ppm	0.0505 ppm	0.0099 ppm	0.0105 ppm	0.0184 ppm	0.0098 ppm
Concentration per Run 2	0.0105 ppm	0.5182 ppm	0.0503 ppm	0.0105 ppm	0.0105 ppm	0.0221 ppm	0.0102 ppm
Concentration per Run 3	0.0126 ppm	0.5165 ppm	0.0499 ppm	0.0101 ppm	0.0102 ppm	0.0230 ppm	0.0101 ppm
Recovery Percentage 1	110.930 %	103.468 %	100.445 %	101.653 %	104.146 %	105.812 %	100.284 %
Concentration RSD	12.1 %	0.2 %	0.6 %	3.0 %	1.5 %	11.6 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0056 ppm	101.8495 %	99.4780 %	99.9412 %	101.4142 %	100.3653 %	100.7320 %
Concentration per Run 1	0.0055 ppm	103.3880 %	99.3659 %	99.8325 %	103.0527 %	100.4693 %	100.8562 %
Concentration per Run 2	0.0056 ppm	101.4604 %	99.3327 %	99.9571 %	100.4838 %	100.1815 %	100.4276 %
Concentration per Run 3	0.0056 ppm	100.7001 %	99.7355 %	100.0339 %	100.7062 %	100.4452 %	100.9123 %
Recovery Percentage 1	111.112 %						
Concentration RSD	0.7 %	1.4 %	0.2 %	0.1 %	1.4 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: ICSA
Analysis started at: 7/1/2025 6:38:59 AM
Comments <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0016 ppm	522.6146 [SIC 500]	0.0032 ppm	0.0047 ppm	0.0020 ppm	0.0000 ppm	480.9865 ppm
Concentration per Run 1	-0.0018 ppm	524.4352 ppm	0.0027 ppm	0.0047 ppm	0.0021 ppm	-0.0001 ppm	488.2110 ppm
Concentration per Run 2	-0.0014 ppm	523.3239 ppm	0.0058 ppm	0.0052 ppm	0.0019 ppm	0.0000 ppm	480.6039 ppm
Concentration per Run 3	-0.0016 ppm	520.0847 ppm	0.0010 ppm	0.0041 ppm	0.0021 ppm	-0.0001 ppm	474.1447 ppm
Recovery Percentage 1	-22.697 %	522,614.624 %	63.875 %	15.504 %	20.449 %	-0.858 %	480,986.499 %
Concentration RSD	10.0 %	0.4 %	76.6 %	11.8 %	4.8 %	125.2 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0075 ppm	0.0004 ppm	0.0016 ppm	0.0057 ppm	183.3209 ppm	0.0678 ppm	-0.0010 ppm
Concentration per Run 1	-0.0075 ppm	0.0005 ppm	0.0013 ppm	0.0056 ppm	184.2126 ppm	0.0569 ppm	-0.0007 ppm
Concentration per Run 2	-0.0074 ppm	0.0002 ppm	0.0016 ppm	0.0058 ppm	182.8517 ppm	0.0714 ppm	-0.0017 ppm
Concentration per Run 3	-0.0076 ppm	0.0004 ppm	0.0018 ppm	0.0058 ppm	182.8984 ppm	0.0752 ppm	-0.0006 ppm
Recovery Percentage 1	-187.934 %	1.871 %	15.505 %	57.094 %	366,641.785 %	2.714 %	-9.919 %
Concentration RSD	1.3 %	49.7 %	17.8 %	1.7 %	0.4 %	14.2 %	62.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	483.1594 ppm	0.0001 ppm	-0.0003 ppm	0.0534 ppm	-0.0020 ppm	-0.0148 ppm	0.0030 ppm
Concentration per Run 1	482.1107 ppm	-0.0001 ppm	0.0001 ppm	0.0524 ppm	-0.0024 ppm	-0.0119 ppm	0.0028 ppm
Concentration per Run 2	483.2382 ppm	0.0002 ppm	-0.0002 ppm	0.0481 ppm	-0.0018 ppm	-0.0162 ppm	0.0048 ppm
Concentration per Run 3	484.1292 ppm	0.0001 ppm	-0.0009 ppm	0.0596 ppm	-0.0017 ppm	-0.0162 ppm	0.0016 ppm
Recovery Percentage 1	483,159.370 %	1.040 %	-0.629 %	2.669 %	-7.917 %	-147.511 %	6.089 %
Concentration RSD	0.2 %	143.3 %	154.6 %	10.9 %	20.0 %	16.8 %	52.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0084 ppm	-0.0053 ppm	0.0020 ppm	0.0056 ppm	-0.0024 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 1	0.0077 ppm	-0.0049 ppm	0.0019 ppm	0.0056 ppm	-0.0022 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run 2	0.0091 ppm	-0.0045 ppm	0.0022 ppm	0.0057 ppm	-0.0026 ppm	-0.0013 ppm	-0.0009 ppm
Concentration per Run 3	0.0084 ppm	-0.0066 ppm	0.0018 ppm	0.0055 ppm	-0.0024 ppm	-0.0002 ppm	-0.0009 ppm
Recovery Percentage 1	83.961 %	-1.068 %	3.903 %	55.965 %	-23.725 %	-0.882 %	-8.192 %
Concentration RSD	7.9 %	20.5 %	9.3 %	1.9 %	7.6 %	633.2 %	19.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0028 ppm	93.5951 %	85.2366 %	86.5622 %	93.1971 %	74.8934 %	86.1410 %
Concentration per Run 1	0.0027 ppm	92.7482 %	85.1360 %	86.6396 %	92.4374 %	74.8985 %	86.2452 %
Concentration per Run 2	0.0027 ppm	93.9426 %	85.4236 %	86.3900 %	93.4755 %	74.9003 %	86.2158 %
Concentration per Run 3	0.0030 ppm	94.0944 %	85.1502 %	86.6570 %	93.6784 %	74.8814 %	85.9620 %
Recovery Percentage 1	55.748 %						
Concentration RSD	5.3 %	0.8 %	0.2 %	0.2 %	0.7 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: SIC Multi
Analysis started at: 7/1/2025 6:45:46 AM
Comments <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0273 ppm	-0.0097 ppm	0.0014 ppm	0.0002 ppm	-0.0042 ppm	0.0189 ppm
Concentration per Run 1	-0.0003 ppm	0.0298 ppm	-0.0091 ppm	0.0012 ppm	0.0002 ppm	-0.0041 ppm	0.0140 ppm
Concentration per Run 2	0.0002 ppm	0.0225 ppm	-0.0098 ppm	0.0012 ppm	0.0001 ppm	-0.0043 ppm	0.0225 ppm
Concentration per Run 3	-0.0003 ppm	0.0297 ppm	-0.0103 ppm	0.0017 ppm	0.0001 ppm	-0.0041 ppm	0.0202 ppm
Recovery Percentage 1	-1.738 %	27.343 %	-194.850 %	4.553 %	1.662 %	-83.081 %	18.897 %
Concentration RSD	223.3 %	15.2 %	5.9 %	19.6 %	34.3 %	2.2 %	23.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	-0.0065 ppm	20.1514 ppm	0.0002 ppm	-0.0094 ppm	0.0183 ppm	0.0001 ppm
Concentration per Run 1	0.0003 ppm	-0.0064 ppm	20.0992 ppm	0.0002 ppm	-0.0075 ppm	0.0221 ppm	-0.0006 ppm
Concentration per Run 2	0.0004 ppm	-0.0061 ppm	20.1469 ppm	0.0000 ppm	-0.0105 ppm	0.0293 ppm	0.0017 ppm
Concentration per Run 3	0.0003 ppm	-0.0069 ppm	20.2082 ppm	0.0004 ppm	-0.0103 ppm	0.0034 ppm	-0.0007 ppm
Recovery Percentage 1	8.440 %	-32.430 %	201,514.394 %	1.983 %	-18.898 %	0.731 %	1.387 %
Concentration RSD	8.6 %	6.1 %	0.3 %	114.7 %	18.0 %	73.0 %	1,005.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0408 ppm	20.7260 [SIC 25]	0.0054 ppm	0.0155 ppm	0.0003 ppm	0.0029 ppm	-0.0211 ppm
Concentration per Run 1	0.0425 ppm	20.6141 ppm	0.0055 ppm	0.0198 ppm	0.0004 ppm	0.0031 ppm	-0.0228 ppm
Concentration per Run 2	0.0393 ppm	20.7823 ppm	0.0053 ppm	0.0161 ppm	0.0003 ppm	0.0027 ppm	-0.0200 ppm
Concentration per Run 3	0.0407 ppm	20.7815 ppm	0.0055 ppm	0.0106 ppm	0.0002 ppm	0.0029 ppm	-0.0205 ppm
Recovery Percentage 1	40.837 %	207,259.768 %	10.887 %	0.775 %	1.195 %	28.838 %	-42.244 %
Concentration RSD	3.9 %	0.5 %	1.8 %	30.0 %	27.2 %	6.0 %	7.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0069 ppm	0.0781 ppm	-0.0002 ppm	0.0002 ppm	19.8744 ppm	-0.0214 ppm	10.2334 [SIC 10]
Concentration per Run 1	-0.0075 ppm	0.0810 ppm	0.0001 ppm	0.0002 ppm	19.8443 ppm	-0.0200 ppm	10.2223 ppm
Concentration per Run 2	-0.0066 ppm	0.0787 ppm	-0.0006 ppm	0.0002 ppm	19.7973 ppm	-0.0193 ppm	10.2327 ppm
Concentration per Run 3	-0.0067 ppm	0.0745 ppm	0.0001 ppm	0.0001 ppm	19.9816 ppm	-0.0249 ppm	10.2451 ppm
Recovery Percentage 1	-69.051 %	15.611 %	-0.327 %	1.760 %	198,743.779 %	-107.020 %	102,333.739 %
Concentration RSD	7.2 %	4.2 %	245.5 %	32.0 %	0.5 %	14.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0022 ppm	100.6314 %	98.9594 %	99.8726 %	100.6241 %	98.9327 %	99.9012 %
Concentration per Run 1	-0.0024 ppm	100.4957 %	98.8119 %	99.9125 %	100.9860 %	98.8428 %	99.9545 %
Concentration per Run 2	-0.0020 ppm	100.2778 %	99.2306 %	100.0253 %	100.2972 %	99.2119 %	100.0335 %
Concentration per Run 3	-0.0021 ppm	101.1206 %	98.8356 %	99.6801 %	100.5890 %	98.7434 %	99.7155 %
Recovery Percentage 1	-43.498 %						
Concentration RSD	10.6 %	0.4 %	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: LDR Check
Analysis started at: 7/1/2025 6:52:33 AM
Comments <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0012 ppm	0.0404 ppm	5.5001 ppm	5.0385 [SIC 20]	10.3985 [SIC 20]	0.0006 ppm	0.0155 ppm
Concentration per Run 1	0.0012 ppm	0.0428 ppm	5.4997 ppm	5.0400 ppm	10.5457 ppm	0.0006 ppm	0.0132 ppm
Concentration per Run 2	0.0011 ppm	0.0348 ppm	5.5015 ppm	5.0427 ppm	10.3943 ppm	0.0006 ppm	0.0152 ppm
Concentration per Run 3	0.0013 ppm	0.0436 ppm	5.4991 ppm	5.0328 ppm	10.2554 ppm	0.0006 ppm	0.0179 ppm
Recovery Percentage 1	0.000 %	0.000 %	110.002 %	100.770 %	103.985 %	0.000 %	0.000 %
Concentration RSD	8.8 %	12.0 %	0.0 %	0.1 %	1.4 %	5.7 %	15.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0011 ppm	0.0002 ppm	20.3145 [SIC 50]	0.0051 ppm	332.6618 ppm	5.6208 ppm
Concentration per Run 1	-0.0004 ppm	0.0010 ppm	-0.0001 ppm	20.2032 ppm	0.0051 ppm	339.8780 ppm	5.7191 ppm
Concentration per Run 2	-0.0004 ppm	0.0011 ppm	0.0003 ppm	20.4890 ppm	0.0051 ppm	332.4106 ppm	5.6051 ppm
Concentration per Run 3	-0.0004 ppm	0.0012 ppm	0.0003 ppm	20.2513 ppm	0.0051 ppm	325.6969 ppm	5.5383 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	101.573 %	0.000 %	110.887 %	112.417 %
Concentration RSD	2.3 %	9.6 %	118.5 %	0.8 %	0.4 %	2.1 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0143 ppm	0.0004 ppm	5.0616 [SIC 20]	480.5117 ppm	10.0446 [SIC 20]	48.8878 ppm	0.0229 ppm
Concentration per Run 1	0.0155 ppm	0.0001 ppm	5.0600 ppm	496.5298 ppm	10.0556 ppm	48.9294 ppm	0.0233 ppm
Concentration per Run 2	0.0129 ppm	0.0006 ppm	5.0674 ppm	483.2225 ppm	10.0450 ppm	48.9149 ppm	0.0228 ppm
Concentration per Run 3	0.0146 ppm	0.0003 ppm	5.0573 ppm	461.7827 ppm	10.0330 ppm	48.8189 ppm	0.0227 ppm
Recovery Percentage 1	0.000 %	0.000 %	101.231 %	96.102 %	100.446 %	97.776 %	0.000 %
Concentration RSD	9.4 %	79.4 %	0.1 %	3.6 %	0.1 %	0.1 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	22.1666 [SIC 200]	0.0035 ppm	0.0011 ppm	0.0042 ppm	-0.0005 ppm	0.0034 ppm
Concentration per Run 1	-0.0020 ppm	22.1634 ppm	0.0040 ppm	0.0011 ppm	0.0048 ppm	-0.0007 ppm	0.0033 ppm
Concentration per Run 2	-0.0010 ppm	22.1776 ppm	0.0031 ppm	0.0011 ppm	0.0042 ppm	-0.0012 ppm	0.0034 ppm
Concentration per Run 3	-0.0009 ppm	22.1587 ppm	0.0034 ppm	0.0010 ppm	0.0036 ppm	0.0006 ppm	0.0034 ppm
Recovery Percentage 1	0.000 %	110.833 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	48.1 %	0.0 %	12.5 %	3.8 %	14.4 %	201.5 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.5357 [SIC 50]	93.2975 %	86.5302 %	81.8126 %	93.9699 %	86.6575 %	87.4553 %
Concentration per Run 1	20.5674 ppm	92.5733 %	86.4564 %	81.5528 %	92.6539 %	86.4834 %	87.5538 %
Concentration per Run 2	20.5395 ppm	92.5670 %	86.4116 %	82.0441 %	93.3793 %	86.6684 %	87.3954 %
Concentration per Run 3	20.5003 ppm	94.7521 %	86.7226 %	81.8408 %	95.8766 %	86.8207 %	87.4166 %
Recovery Percentage 1	102.679 %						
Concentration RSD	0.2 %	1.4 %	0.2 %	0.3 %	1.8 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: IEC V 10 Tl-
Analysis started at: 7/1/2025 7:28:58 AM
Comments <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0053 ppm	0.0007 ppm	0.0019 ppm	0.0001 ppm	-0.0003 ppm	0.0032 ppm
Concentration per Run 1	0.0002 ppm	0.0043 ppm	-0.0002 ppm	0.0017 ppm	0.0000 ppm	-0.0004 ppm	0.0043 ppm
Concentration per Run 2	-0.0001 ppm	0.0077 ppm	0.0003 ppm	0.0018 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0038 ppm	0.0019 ppm	0.0021 ppm	0.0001 ppm	-0.0003 ppm	0.0049 ppm
Recovery Percentage 1	0.670 %	5.253 %	13.101 %	6.257 %	0.591 %	-6.458 %	3.157 %
Concentration RSD	323.8 %	40.3 %	169.3 %	9.6 %	62.8 %	18.2 %	80.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0053 ppm	0.0479 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0051 ppm	0.0333 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0058 ppm	0.0454 ppm	0.0006 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0050 ppm	0.0650 ppm	-0.0001 ppm
Recovery Percentage 1	-1.121 %	-0.186 %	1.772 %	3.686 %	10.599 %	1.914 %	3.090 %
Concentration RSD	46.1 %	287.2 %	18.4 %	44.8 %	7.6 %	33.4 %	108.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0027 ppm	0.0010 ppm	0.0050 ppm	0.0250 ppm	0.0003 ppm	-0.0002 ppm	-0.0110 ppm
Concentration per Run 1	0.0031 ppm	0.0010 ppm	0.0050 ppm	0.0170 ppm	0.0003 ppm	-0.0005 ppm	-0.0113 ppm
Concentration per Run 2	0.0035 ppm	0.0009 ppm	0.0051 ppm	0.0284 ppm	0.0002 ppm	-0.0001 ppm	-0.0108 ppm
Concentration per Run 3	0.0016 ppm	0.0010 ppm	0.0050 ppm	0.0298 ppm	0.0002 ppm	-0.0001 ppm	-0.0107 ppm
Recovery Percentage 1	2.746 %	9.868 %	10.072 %	1.252 %	1.023 %	-2.176 %	-21.914 %
Concentration RSD	35.8 %	5.6 %	1.4 %	28.1 %	32.5 %	97.9 %	2.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	0.0007 ppm	-0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	**10.0810 [SIC 10]**
Concentration per Run 1	0.0035 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	10.0586 ppm
Concentration per Run 2	-0.0003 ppm	0.0011 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	10.1558 ppm
Concentration per Run 3	0.0017 ppm	0.0007 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	10.0286 ppm
Recovery Percentage 1	16.374 %	0.144 %	-1.137 %	0.469 %	2.366 %	2.804 %	100,809.698 %
Concentration RSD	117.0 %	53.2 %	59.8 %	183.6 %	66.5 %	51.9 %	**0.7 %**

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.5923 %	101.4196 %	102.0114 %	101.2082 %	101.8422 %	100.5800 %
Concentration per Run 1	0.0002 ppm	102.9589 %	101.5333 %	101.8915 %	101.0138 %	101.8371 %	100.7075 %
Concentration per Run 2	0.0002 ppm	103.9488 %	101.2682 %	102.1284 %	101.4541 %	101.7392 %	100.3021 %
Concentration per Run 3	0.0003 ppm	103.8693 %	101.4573 %	102.0143 %	101.1567 %	101.9503 %	100.7305 %
Recovery Percentage 1	4.178 %						
Concentration RSD	23.0 %	0.5 %	0.1 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: LDR 100 K pass
Analysis started at: 7/1/2025 7:35:30 AM
Comments <Comment>
Rack: 1
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0074 ppm	0.0001 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	0.0096 ppm
Concentration per Run 1	-0.0002 ppm	0.0071 ppm	-0.0003 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run 2	0.0004 ppm	0.0077 ppm	0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 3	-0.0001 ppm	0.0074 ppm	0.0002 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0108 ppm
Concentration RSD	622.5 %	4.3 %	269.3 %	13.1 %	101.4 %	53.4 %	23.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0010 ppm	106.1845 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0010 ppm	106.1104 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	106.4812 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0002 ppm	105.9619 ppm	0.0005 ppm
Concentration RSD	36.4 %	910.0 %	149.5 %	15.2 %	80.2 %	0.3 %	1,910.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0013 ppm	0.0000 ppm	-0.0001 ppm	0.0331 ppm	0.0001 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0297 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run 2	0.0043 ppm	0.0001 ppm	0.0000 ppm	0.0292 ppm	0.0001 ppm	-0.0003 ppm	-0.0016 ppm
Concentration per Run 3	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0404 ppm	0.0002 ppm	-0.0005 ppm	-0.0009 ppm
Concentration RSD	202.9 %	199.2 %	218.0 %	19.1 %	71.8 %	47.0 %	71.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	-0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 2	0.0021 ppm	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 3	-0.0006 ppm	-0.0009 ppm	-0.0004 ppm	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0003 ppm
Concentration RSD	334.9 %	278.2 %	43.1 %	63.9 %	1,152.0 %	77.3 %	20.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	102.2767 %	96.9738 %	98.2627 %	100.3050 %	96.5056 %	97.6013 %
Concentration per Run 1	0.0004 ppm	102.0412 %	96.7824 %	98.2180 %	100.6813 %	96.3100 %	97.3537 %
Concentration per Run 2	0.0003 ppm	102.5798 %	97.1310 %	98.3117 %	99.9612 %	96.7236 %	97.7077 %
Concentration per Run 3	0.0004 ppm	102.2090 %	97.0081 %	98.2585 %	100.2724 %	96.4831 %	97.7426 %
Concentration RSD	8.0 %	0.3 %	0.2 %	0.0 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: IEC Cr 20 Sb-
Analysis started at: 7/1/2025 8:08:08 AM
Comments <Comment>
Rack: 1
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0089 ppm	0.0003 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0079 ppm
Concentration per Run 1	-0.0001 ppm	0.0114 ppm	0.0009 ppm	0.0005 ppm	0.0006 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run 2	0.0000 ppm	0.0075 ppm	0.0000 ppm	0.0007 ppm	0.0007 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 3	-0.0003 ppm	0.0077 ppm	0.0000 ppm	0.0007 ppm	0.0007 ppm	0.0000 ppm	0.0082 ppm
Recovery Percentage 1	-2.054 %	8.864 %	5.894 %	2.090 %	6.458 %	0.330 %	7.854 %
Concentration RSD	122.4 %	24.5 %	175.3 %	16.6 %	5.4 %	87.3 %	4.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0003 ppm	**19.9946 ppm**	0.0005 ppm	0.0056 ppm	0.0283 ppm	0.0011 ppm
Concentration per Run 1	0.0004 ppm	0.0002 ppm	19.9626 ppm	0.0006 ppm	0.0053 ppm	0.0238 ppm	0.0005 ppm
Concentration per Run 2	0.0004 ppm	0.0002 ppm	19.9375 ppm	0.0004 ppm	0.0056 ppm	0.0148 ppm	0.0019 ppm
Concentration per Run 3	0.0004 ppm	0.0004 ppm	20.0838 ppm	0.0005 ppm	0.0060 ppm	0.0463 ppm	0.0010 ppm
Recovery Percentage 1	11.029 %	1.454 %	199,946.281 %	5.010 %	11.208 %	1.131 %	11.286 %
Concentration RSD	2.4 %	42.7 %	**0.4 %**	17.9 %	6.1 %	57.4 %	60.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0337 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0282 ppm	-0.0001 ppm	0.0008 ppm	0.0023 ppm
Concentration per Run 2	0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0398 ppm	0.0002 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 3	0.0016 ppm	0.0002 ppm	-0.0002 ppm	0.0332 ppm	0.0004 ppm	-0.0007 ppm	-0.0008 ppm
Recovery Percentage 1	0.681 %	1.562 %	-0.053 %	1.687 %	0.672 %	0.194 %	-0.010 %
Concentration RSD	132.4 %	44.8 %	707.7 %	17.2 %	136.2 %	3,750.2 %	38,750.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0074 ppm	0.0042 ppm	-0.0007 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 1	0.0072 ppm	0.0039 ppm	-0.0009 ppm	0.0010 ppm	0.0001 ppm	0.0004 ppm	-0.0014 ppm
Concentration per Run 2	0.0081 ppm	0.0043 ppm	-0.0008 ppm	0.0010 ppm	-0.0002 ppm	-0.0020 ppm	-0.0012 ppm
Concentration per Run 3	0.0070 ppm	0.0044 ppm	-0.0004 ppm	0.0010 ppm	0.0001 ppm	0.0015 ppm	-0.0009 ppm
Recovery Percentage 1	74.421 %	0.841 %	-1.408 %	9.957 %	0.192 %	-0.186 %	-11.543 %
Concentration RSD	7.7 %	5.7 %	39.9 %	0.6 %	928.4 %	4,846.2 %	19.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0021 ppm	108.2165 %	101.3808 %	101.7495 %	104.7535 %	100.6106 %	100.4111 %
Concentration per Run 1	-0.0023 ppm	111.6049 %	101.3450 %	101.8066 %	108.8063 %	100.4905 %	100.0771 %
Concentration per Run 2	-0.0021 ppm	107.3742 %	101.6649 %	101.5356 %	103.2199 %	100.4335 %	100.6960 %
Concentration per Run 3	-0.0018 ppm	105.6705 %	101.1325 %	101.9064 %	102.2342 %	100.9077 %	100.4602 %
Recovery Percentage 1	-41.238 %						
Concentration RSD	10.9 %	2.8 %	0.3 %	0.2 %	3.4 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 8:28:34 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5192 ppm	0.5073 ppm	0.4879 ppm	0.4930 ppm	0.5114 ppm	0.5349 ppm	0.5230 ppm
Concentration per Run 1	0.5156 ppm	0.5131 ppm	0.4899 ppm	0.4940 ppm	0.5155 ppm	0.5392 ppm	0.5290 ppm
Concentration per Run 2	0.5199 ppm	0.5045 ppm	0.4852 ppm	0.4911 ppm	0.5112 ppm	0.5347 ppm	0.5239 ppm
Concentration per Run 3	0.5220 ppm	0.5042 ppm	0.4885 ppm	0.4938 ppm	0.5075 ppm	0.5308 ppm	0.5160 ppm
Recovery Percentage 1	103.830 %	101.461 %	97.576 %	98.596 %	102.274 %	106.978 %	104.595 %
Concentration RSD	0.6 %	1.0 %	0.5 %	0.3 %	0.8 %	0.8 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4872 ppm	0.4959 ppm	0.5015 ppm	0.5062 ppm	0.4912 ppm	5.3835 ppm	0.5221 ppm
Concentration per Run 1	0.4884 ppm	0.4974 ppm	0.5000 ppm	0.5052 ppm	0.4936 ppm	5.4267 ppm	0.5268 ppm
Concentration per Run 2	0.4862 ppm	0.4952 ppm	0.5025 ppm	0.5055 ppm	0.4900 ppm	5.3615 ppm	0.5212 ppm
Concentration per Run 3	0.4870 ppm	0.4952 ppm	0.5019 ppm	0.5078 ppm	0.4899 ppm	5.3623 ppm	0.5183 ppm
Recovery Percentage 1	97.441 %	99.185 %	100.293 %	101.232 %	98.233 %	107.670 %	104.421 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.3 %	0.4 %	0.7 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5307 ppm	0.5286 ppm	0.5074 ppm	10.7202 ppm	0.5152 ppm	0.5186 ppm	0.5067 ppm
Concentration per Run 1	0.5266 ppm	0.5322 ppm	0.5082 ppm	10.8245 ppm	0.5165 ppm	0.5196 ppm	0.5090 ppm
Concentration per Run 2	0.5344 ppm	0.5283 ppm	0.5060 ppm	10.7008 ppm	0.5143 ppm	0.5178 ppm	0.5046 ppm
Concentration per Run 3	0.5312 ppm	0.5253 ppm	0.5080 ppm	10.6354 ppm	0.5147 ppm	0.5183 ppm	0.5063 ppm
Recovery Percentage 1	106.144 %	105.725 %	101.477 %	107.202 %	103.030 %	103.710 %	101.333 %
Concentration RSD	0.7 %	0.7 %	0.2 %	0.9 %	0.2 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5098 ppm	5.5883 ppm	0.5222 ppm	0.5071 ppm	0.5140 ppm	0.5453 ppm	0.5138 ppm
Concentration per Run 1	0.5110 ppm	5.6121 ppm	0.5234 ppm	0.5114 ppm	0.5126 ppm	0.5461 ppm	0.5125 ppm
Concentration per Run 2	0.5099 ppm	5.5777 ppm	0.5202 ppm	0.5069 ppm	0.5147 ppm	0.5456 ppm	0.5153 ppm
Concentration per Run 3	0.5086 ppm	5.5753 ppm	0.5230 ppm	0.5030 ppm	0.5148 ppm	0.5442 ppm	0.5136 ppm
Recovery Percentage 1	101.968 %	106.445 %	104.437 %	101.420 %	102.803 %	109.064 %	102.761 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.8 %	0.2 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4992 ppm	101.7901 %	99.4650 %	100.4250 %	98.4145 %	97.1289 %	98.2298 %
Concentration per Run 1	0.4999 ppm	101.2128 %	99.5623 %	100.5451 %	98.1925 %	96.9075 %	98.4936 %
Concentration per Run 2	0.4984 ppm	101.9706 %	99.3005 %	100.3445 %	98.4039 %	97.2797 %	97.9653 %
Concentration per Run 3	0.4992 ppm	102.1870 %	99.5322 %	100.3855 %	98.6471 %	97.1996 %	98.2304 %
Recovery Percentage 1	99.838 %						
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.2 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:34:39 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0047 ppm	0.0015 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0190 ppm
Concentration per Run 1	0.0002 ppm	0.0024 ppm	0.0019 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0184 ppm
Concentration per Run 2	0.0003 ppm	0.0090 ppm	0.0020 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0184 ppm
Concentration per Run 3	-0.0002 ppm	0.0026 ppm	0.0007 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0203 ppm
Recovery Percentage 1	1.303 %	4.668 %	30.737 %	4.690 %	0.198 %	0.134 %	19.033 %
Concentration RSD	279.4 %	80.4 %	48.1 %	14.5 %	564.1 %	234.4 %	5.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0005 ppm	0.0205 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0006 ppm	0.0288 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0253 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0011 ppm	0.0076 ppm	-0.0004 ppm
Recovery Percentage 1	-0.010 %	-0.391 %	-1.876 %	4.577 %	-0.958 %	0.821 %	4.777 %
Concentration RSD	4,527.0 %	31.9 %	38.1 %	8.2 %	144.2 %	55.3 %	180.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0011 ppm	0.0000 ppm	0.0011 ppm	0.0108 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0007 ppm	0.0000 ppm	0.0012 ppm	0.0073 ppm	-0.0003 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 2	0.0022 ppm	0.0001 ppm	0.0009 ppm	0.0088 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 3	0.0005 ppm	-0.0001 ppm	0.0011 ppm	0.0162 ppm	0.0001 ppm	0.0005 ppm	-0.0007 ppm
Recovery Percentage 1	1.122 %	0.096 %	2.132 %	0.538 %	-0.287 %	1.236 %	-0.101 %
Concentration RSD	82.4 %	1,138.8 %	12.9 %	44.3 %	228.2 %	435.5 %	1,161.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0025 ppm	0.0004 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0027 ppm	-0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0001 ppm
Recovery Percentage 1	18.528 %	-0.007 %	0.782 %	1.338 %	3.672 %	0.438 %	0.306 %
Concentration RSD	70.4 %	1,170.7 %	87.8 %	29.4 %	26.2 %	1,410.7 %	226.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	103.5014 %	100.7765 %	101.3042 %	97.9986 %	98.8743 %	98.2384 %
Concentration per Run 1	0.0005 ppm	102.8037 %	100.9292 %	101.2584 %	97.8419 %	98.9032 %	98.1131 %
Concentration per Run 2	0.0006 ppm	103.0351 %	100.5580 %	101.2275 %	97.5991 %	98.7070 %	98.1208 %
Concentration per Run 3	0.0004 ppm	104.6655 %	100.8421 %	101.4267 %	98.5547 %	99.0129 %	98.4812 %
Recovery Percentage 1	10.354 %						
Concentration RSD	19.9 %	1.0 %	0.2 %	0.1 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536104-02 WG2082423
Analysis started at: 7/1/2025 8:53:26 AM
Comments <Comment>
Rack: 1
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0108 ppm	2.8944 ppm	0.0284 ppm	0.5440 ppm	0.6095 ppm	0.0094 ppm	154.5363 ppm
Concentration per Run 1	0.0106 ppm	2.9027 ppm	0.0286 ppm	0.5445 ppm	0.6121 ppm	0.0094 ppm	155.4345 ppm
Concentration per Run 2	0.0112 ppm	2.9245 ppm	0.0280 ppm	0.5435 ppm	0.6154 ppm	0.0095 ppm	155.9976 ppm
Concentration per Run 3	0.0106 ppm	2.8560 ppm	0.0285 ppm	0.5439 ppm	0.6010 ppm	0.0093 ppm	152.1770 ppm
Concentration RSD	3.2 %	1.2 %	1.1 %	0.1 %	1.2 %	1.2 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0105 ppm	0.0953 ppm	0.0618 ppm	0.6932 ppm	41.2152 ppm	22.7817 ppm	0.0549 ppm
Concentration per Run 1	0.0105 ppm	0.0952 ppm	0.0619 ppm	0.6950 ppm	41.4384 ppm	22.8200 ppm	0.0546 ppm
Concentration per Run 2	0.0105 ppm	0.0955 ppm	0.0616 ppm	0.6916 ppm	41.6454 ppm	23.0481 ppm	0.0558 ppm
Concentration per Run 3	0.0105 ppm	0.0953 ppm	0.0619 ppm	0.6930 ppm	40.5618 ppm	22.4769 ppm	0.0542 ppm
Concentration RSD	0.4 %	0.2 %	0.3 %	0.2 %	1.4 %	1.3 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	30.9611 ppm	0.3094 ppm	0.1786 ppm	255.5396 ppm	0.1272 ppm	0.2752 ppm	0.0620 ppm
Concentration per Run 1	31.0456 ppm	0.3098 ppm	0.1777 ppm	257.5508 ppm	0.1273 ppm	0.2765 ppm	0.0614 ppm
Concentration per Run 2	30.9652 ppm	0.3122 ppm	0.1789 ppm	258.6482 ppm	0.1270 ppm	0.2742 ppm	0.0616 ppm
Concentration per Run 3	30.8724 ppm	0.3062 ppm	0.1792 ppm	250.4197 ppm	0.1275 ppm	0.2748 ppm	0.0632 ppm
Concentration RSD	0.3 %	1.0 %	0.4 %	1.7 %	0.2 %	0.4 %	1.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0250 ppm	5.8815 ppm	0.1678 ppm	1.3974 ppm	0.2001 ppm	0.0193 ppm	0.0982 ppm
Concentration per Run 1	0.0224 ppm	5.8826 ppm	0.1687 ppm	1.3977 ppm	0.2025 ppm	0.0195 ppm	0.0984 ppm
Concentration per Run 2	0.0273 ppm	5.8966 ppm	0.1672 ppm	1.4143 ppm	0.1989 ppm	0.0206 ppm	0.0979 ppm
Concentration per Run 3	0.0252 ppm	5.8654 ppm	0.1675 ppm	1.3801 ppm	0.1988 ppm	0.0178 ppm	0.0981 ppm
Concentration RSD	9.9 %	0.3 %	0.5 %	1.2 %	1.1 %	7.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.0437 ppm	105.0758 %	92.8735 %	92.9986 %	100.8622 %	83.7127 %	91.1724 %
Concentration per Run 1	2.0442 ppm	104.5992 %	92.4887 %	93.1478 %	100.6142 %	83.7091 %	90.8364 %
Concentration per Run 2	2.0448 ppm	103.9055 %	93.1451 %	92.8004 %	99.7415 %	83.6612 %	91.3378 %
Concentration per Run 3	2.0422 ppm	106.7227 %	92.9866 %	93.0477 %	102.2307 %	83.7677 %	91.3431 %
Concentration RSD	0.1 %	1.4 %	0.4 %	0.2 %	1.3 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-7 WG2082423
Analysis started at: 7/1/2025 8:59:42 AM
Comments <Comment>
Rack: 1
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0537 ppm	4.4267 ppm	0.1437 ppm	1.4199 ppm	2.1844 ppm	0.0502 ppm	159.3162 ppm
Concentration per Run 1	0.0533 ppm	4.4009 ppm	0.1436 ppm	1.4252 ppm	2.1495 ppm	0.0499 ppm	158.2040 ppm
Concentration per Run 2	0.0540 ppm	4.4448 ppm	0.1442 ppm	1.4203 ppm	2.2025 ppm	0.0504 ppm	160.1165 ppm
Concentration per Run 3	0.0538 ppm	4.4344 ppm	0.1432 ppm	1.4143 ppm	2.2012 ppm	0.0504 ppm	159.6282 ppm
Concentration RSD	0.8 %	0.5 %	0.3 %	0.4 %	1.4 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0472 ppm	0.4721 ppm	0.2093 ppm	0.9040 ppm	40.7275 ppm	32.0992 ppm	0.0560 ppm
Concentration per Run 1	0.0473 ppm	0.4732 ppm	0.2092 ppm	0.9047 ppm	40.5379 ppm	31.8150 ppm	0.0559 ppm
Concentration per Run 2	0.0471 ppm	0.4725 ppm	0.2095 ppm	0.9020 ppm	41.0252 ppm	32.1963 ppm	0.0552 ppm
Concentration per Run 3	0.0470 ppm	0.4706 ppm	0.2091 ppm	0.9053 ppm	40.6195 ppm	32.2862 ppm	0.0569 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.6 %	0.8 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	38.4305 ppm	0.6878 ppm	0.9793 ppm	251.9920 ppm	0.5135 ppm	0.6996 ppm	0.4192 ppm
Concentration per Run 1	38.2879 ppm	0.6814 ppm	0.9796 ppm	250.1507 ppm	0.5148 ppm	0.7017 ppm	0.4218 ppm
Concentration per Run 2	38.6344 ppm	0.6902 ppm	0.9802 ppm	254.0471 ppm	0.5136 ppm	0.6989 ppm	0.4172 ppm
Concentration per Run 3	38.3693 ppm	0.6917 ppm	0.9781 ppm	251.7782 ppm	0.5122 ppm	0.6984 ppm	0.4187 ppm
Concentration RSD	0.5 %	0.8 %	0.1 %	0.8 %	0.3 %	0.3 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0472 ppm	6.9130 ppm	0.1829 ppm	2.2169 ppm	0.7523 ppm	0.1203 ppm	0.4919 ppm
Concentration per Run 1	0.0476 ppm	6.9362 ppm	0.1838 ppm	2.1893 ppm	0.7512 ppm	0.1195 ppm	0.4909 ppm
Concentration per Run 2	0.0470 ppm	6.9214 ppm	0.1828 ppm	2.2591 ppm	0.7543 ppm	0.1206 ppm	0.4928 ppm
Concentration per Run 3	0.0469 ppm	6.8814 ppm	0.1822 ppm	2.2023 ppm	0.7516 ppm	0.1207 ppm	0.4920 ppm
Concentration RSD	0.8 %	0.4 %	0.4 %	1.7 %	0.2 %	0.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3599 ppm	103.7906 %	92.3173 %	91.8425 %	99.1918 %	83.8920 %	90.7276 %
Concentration per Run 1	2.3633 ppm	104.1374 %	92.3487 %	91.8158 %	99.9239 %	83.6065 %	90.8725 %
Concentration per Run 2	2.3589 ppm	102.9636 %	92.3154 %	91.7380 %	98.7549 %	83.8477 %	90.5586 %
Concentration per Run 3	2.3576 ppm	104.2709 %	92.2877 %	91.9737 %	98.8967 %	84.2218 %	90.7518 %
Concentration RSD	0.1 %	0.7 %	0.0 %	0.1 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-8 WG2082423
Analysis started at: 7/1/2025 9:06:10 AM
Comments <Comment>
Rack: 1
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0013 ppm	2.4814 ppm	0.0068 ppm	0.3641 ppm	0.2433 ppm	0.0001 ppm	152.6176 ppm
Concentration per Run 1	0.0012 ppm	2.5044 ppm	0.0086 ppm	0.3647 ppm	0.2465 ppm	0.0001 ppm	154.5693 ppm
Concentration per Run 2	0.0015 ppm	2.4820 ppm	0.0067 ppm	0.3638 ppm	0.2423 ppm	0.0001 ppm	152.0611 ppm
Concentration per Run 3	0.0012 ppm	2.4580 ppm	0.0051 ppm	0.3638 ppm	0.2409 ppm	0.0001 ppm	151.2224 ppm
Concentration RSD	14.8 %	0.9 %	25.8 %	0.1 %	1.2 %	40.4 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0022 ppm	0.0075 ppm	0.0280 ppm	0.5712 ppm	41.1243 ppm	20.9473 ppm	0.0559 ppm
Concentration per Run 1	0.0022 ppm	0.0074 ppm	0.0282 ppm	0.5713 ppm	41.4989 ppm	21.1883 ppm	0.0572 ppm
Concentration per Run 2	0.0022 ppm	0.0076 ppm	0.0278 ppm	0.5721 ppm	41.0992 ppm	20.8364 ppm	0.0553 ppm
Concentration per Run 3	0.0022 ppm	0.0075 ppm	0.0280 ppm	0.5702 ppm	40.7749 ppm	20.8172 ppm	0.0552 ppm
Concentration RSD	1.3 %	1.3 %	0.7 %	0.2 %	0.9 %	1.0 %	2.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	28.5167 ppm	0.2193 ppm	0.0230 ppm	244.5410 ppm	0.0380 ppm	0.1638 ppm	0.0005 ppm
Concentration per Run 1	28.5177 ppm	0.2223 ppm	0.0235 ppm	249.2106 ppm	0.0383 ppm	0.1648 ppm	0.0012 ppm
Concentration per Run 2	28.4474 ppm	0.2182 ppm	0.0231 ppm	241.8372 ppm	0.0377 ppm	0.1634 ppm	-0.0007 ppm
Concentration per Run 3	28.5851 ppm	0.2175 ppm	0.0224 ppm	242.5750 ppm	0.0379 ppm	0.1633 ppm	0.0011 ppm
Concentration RSD	0.2 %	1.2 %	2.3 %	1.7 %	0.8 %	0.5 %	201.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0036 ppm	5.5027 ppm	0.0054 ppm	1.2365 ppm	0.0263 ppm	0.0003 ppm	0.0068 ppm
Concentration per Run 1	0.0054 ppm	5.5133 ppm	0.0048 ppm	1.2537 ppm	0.0266 ppm	0.0002 ppm	0.0068 ppm
Concentration per Run 2	0.0012 ppm	5.4998 ppm	0.0057 ppm	1.2291 ppm	0.0262 ppm	0.0012 ppm	0.0071 ppm
Concentration per Run 3	0.0041 ppm	5.4950 ppm	0.0058 ppm	1.2266 ppm	0.0262 ppm	-0.0003 ppm	0.0066 ppm
Concentration RSD	61.3 %	0.2 %	10.4 %	1.2 %	0.9 %	218.9 %	3.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.9073 ppm	102.7226 %	92.6714 %	92.0214 %	98.8414 %	83.6956 %	91.3761 %
Concentration per Run 1	1.9064 ppm	102.0369 %	92.7042 %	92.2475 %	97.8747 %	83.6572 %	91.2686 %
Concentration per Run 2	1.9057 ppm	102.7859 %	92.5469 %	92.0550 %	99.2382 %	83.8131 %	91.2545 %
Concentration per Run 3	1.9097 ppm	103.3448 %	92.7631 %	91.7618 %	99.4113 %	83.6165 %	91.6052 %
Concentration RSD	0.1 %	0.6 %	0.1 %	0.3 %	0.9 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-9 WG2082423
Analysis started at: 7/1/2025 9:12:32 AM
Comments <Comment>
Rack: 1
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0549 ppm	4.6257 ppm	0.1349 ppm	1.3586 ppm	2.3600 ppm	0.0545 ppm	157.2865 ppm
Concentration per Run 1	0.0547 ppm	4.6393 ppm	0.1351 ppm	1.3589 ppm	2.4016 ppm	0.0547 ppm	157.8960 ppm
Concentration per Run 2	0.0552 ppm	4.6204 ppm	0.1349 ppm	1.3586 ppm	2.3343 ppm	0.0544 ppm	156.9275 ppm
Concentration per Run 3	0.0548 ppm	4.6174 ppm	0.1348 ppm	1.3582 ppm	2.3442 ppm	0.0543 ppm	157.0359 ppm
Concentration RSD	0.4 %	0.3 %	0.1 %	0.0 %	1.5 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0508 ppm	0.5176 ppm	0.2273 ppm	0.8326 ppm	41.1295 ppm	30.9668 ppm	0.0546 ppm
Concentration per Run 1	0.0507 ppm	0.5181 ppm	0.2283 ppm	0.8332 ppm	41.3048 ppm	31.0981 ppm	0.0554 ppm
Concentration per Run 2	0.0507 ppm	0.5172 ppm	0.2269 ppm	0.8327 ppm	41.0442 ppm	30.8834 ppm	0.0548 ppm
Concentration per Run 3	0.0508 ppm	0.5175 ppm	0.2268 ppm	0.8319 ppm	41.0395 ppm	30.9189 ppm	0.0536 ppm
Concentration RSD	0.1 %	0.1 %	0.4 %	0.1 %	0.4 %	0.4 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	37.5073 ppm	0.7279 ppm	0.9599 ppm	243.6609 ppm	0.5559 ppm	0.6581 ppm	0.4019 ppm
Concentration per Run 1	37.6239 ppm	0.7315 ppm	0.9582 ppm	246.8634 ppm	0.5568 ppm	0.6592 ppm	0.3897 ppm
Concentration per Run 2	37.4959 ppm	0.7243 ppm	0.9589 ppm	241.2933 ppm	0.5545 ppm	0.6573 ppm	0.4024 ppm
Concentration per Run 3	37.4023 ppm	0.7279 ppm	0.9625 ppm	242.8259 ppm	0.5562 ppm	0.6578 ppm	0.4135 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	1.2 %	0.2 %	0.2 %	3.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1287 ppm	6.4285 ppm	0.9549 ppm	2.1554 ppm	1.0144 ppm	0.1103 ppm	0.5369 ppm
Concentration per Run 1	0.1259 ppm	6.4358 ppm	0.9560 ppm	2.1458 ppm	1.0162 ppm	0.1114 ppm	0.5375 ppm
Concentration per Run 2	0.1314 ppm	6.4162 ppm	0.9513 ppm	2.1571 ppm	1.0145 ppm	0.1094 ppm	0.5370 ppm
Concentration per Run 3	0.1286 ppm	6.4335 ppm	0.9574 ppm	2.1632 ppm	1.0125 ppm	0.1102 ppm	0.5363 ppm
Concentration RSD	2.1 %	0.2 %	0.3 %	0.4 %	0.2 %	0.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3664 ppm	103.3489 %	92.3380 %	91.6578 %	99.7095 %	84.3806 %	91.1930 %
Concentration per Run 1	2.3707 ppm	103.1002 %	92.0120 %	91.6681 %	99.5095 %	84.3419 %	90.8258 %
Concentration per Run 2	2.3611 ppm	103.7562 %	92.5630 %	91.6669 %	100.1550 %	84.4330 %	91.4476 %
Concentration per Run 3	2.3674 ppm	103.1903 %	92.4390 %	91.6385 %	99.4638 %	84.3669 %	91.3057 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.0 %	0.4 %	0.1 %	0.4 %

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-10d5 WG2082423
Analysis started at: 7/1/2025 9:19:03 AM
Comments <Comment>
Rack: 1
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0011 ppm	0.5194 ppm	0.0036 ppm	0.0895 ppm	0.0834 ppm	0.0009 ppm	29.9727 ppm
Concentration per Run 1	0.0011 ppm	0.5071 ppm	0.0048 ppm	0.0897 ppm	0.0817 ppm	0.0009 ppm	29.3361 ppm
Concentration per Run 2	0.0010 ppm	0.5222 ppm	0.0031 ppm	0.0893 ppm	0.0842 ppm	0.0009 ppm	30.2777 ppm
Concentration per Run 3	0.0011 ppm	0.5289 ppm	0.0029 ppm	0.0895 ppm	0.0844 ppm	0.0010 ppm	30.3043 ppm
Concentration RSD	2.1 %	2.2 %	29.5 %	0.2 %	1.8 %	6.3 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0013 ppm	0.0101 ppm	0.0090 ppm	0.1247 ppm	8.2322 ppm	4.1559 ppm	0.0110 ppm
Concentration per Run 1	0.0013 ppm	0.0101 ppm	0.0089 ppm	0.1248 ppm	8.0548 ppm	4.0513 ppm	0.0118 ppm
Concentration per Run 2	0.0013 ppm	0.0101 ppm	0.0093 ppm	0.1248 ppm	8.3296 ppm	4.1979 ppm	0.0095 ppm
Concentration per Run 3	0.0012 ppm	0.0101 ppm	0.0089 ppm	0.1244 ppm	8.3121 ppm	4.2184 ppm	0.0118 ppm
Concentration RSD	1.6 %	0.0 %	2.1 %	0.2 %	1.9 %	2.2 %	11.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.0930 ppm	0.0527 ppm	0.0243 ppm	48.2812 ppm	0.0162 ppm	0.0434 ppm	0.0288 ppm
Concentration per Run 1	6.0936 ppm	0.0518 ppm	0.0251 ppm	47.1634 ppm	0.0161 ppm	0.0437 ppm	0.0311 ppm
Concentration per Run 2	6.0733 ppm	0.0530 ppm	0.0240 ppm	48.6949 ppm	0.0162 ppm	0.0434 ppm	0.0296 ppm
Concentration per Run 3	6.1122 ppm	0.0533 ppm	0.0239 ppm	48.9852 ppm	0.0164 ppm	0.0432 ppm	0.0259 ppm
Concentration RSD	0.3 %	1.6 %	2.7 %	2.0 %	0.9 %	0.7 %	9.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	1.0349 ppm	0.0197 ppm	0.2561 ppm	0.0231 ppm	0.0022 ppm	0.0107 ppm
Concentration per Run 1	0.0026 ppm	1.0342 ppm	0.0204 ppm	0.2498 ppm	0.0228 ppm	0.0024 ppm	0.0110 ppm
Concentration per Run 2	0.0051 ppm	1.0346 ppm	0.0196 ppm	0.2582 ppm	0.0237 ppm	0.0026 ppm	0.0107 ppm
Concentration per Run 3	0.0047 ppm	1.0359 ppm	0.0190 ppm	0.2604 ppm	0.0227 ppm	0.0015 ppm	0.0105 ppm
Concentration RSD	32.9 %	0.1 %	3.4 %	2.2 %	2.4 %	25.3 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3879 ppm	106.2868 %	96.8043 %	96.5401 %	102.9744 %	94.0506 %	96.4466 %
Concentration per Run 1	0.3853 ppm	108.4489 %	96.9231 %	96.5389 %	105.1188 %	94.2964 %	96.6105 %
Concentration per Run 2	0.3893 ppm	105.0865 %	96.9374 %	96.6340 %	102.0900 %	93.8489 %	96.4855 %
Concentration per Run 3	0.3890 ppm	105.3251 %	96.5525 %	96.4473 %	101.7144 %	94.0065 %	96.2438 %
Concentration RSD	0.6 %	1.8 %	0.2 %	0.1 %	1.8 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 9:25:22 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5256 ppm	0.4970 ppm	0.4802 ppm	0.4936 ppm	0.5045 ppm	0.5189 ppm	0.5262 ppm
Concentration per Run 1	0.5264 ppm	0.4909 ppm	0.4809 ppm	0.4930 ppm	0.5015 ppm	0.5145 ppm	0.5249 ppm
Concentration per Run 2	0.5243 ppm	0.5007 ppm	0.4812 ppm	0.4948 ppm	0.5075 ppm	0.5227 ppm	0.5311 ppm
Concentration per Run 3	0.5261 ppm	0.4994 ppm	0.4785 ppm	0.4928 ppm	0.5043 ppm	0.5195 ppm	0.5225 ppm
Recovery Percentage 1	105.121 %	99.401 %	96.034 %	98.711 %	100.891 %	103.783 %	105.237 %
Concentration RSD	0.2 %	1.1 %	0.3 %	0.2 %	0.6 %	0.8 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4900 ppm	0.5009 ppm	0.5060 ppm	0.5098 ppm	0.5020 ppm	5.4128 ppm	0.5185 ppm
Concentration per Run 1	0.4900 ppm	0.5014 ppm	0.5079 ppm	0.5092 ppm	0.4984 ppm	5.3678 ppm	0.5138 ppm
Concentration per Run 2	0.4915 ppm	0.5018 ppm	0.5044 ppm	0.5104 ppm	0.5033 ppm	5.4487 ppm	0.5231 ppm
Concentration per Run 3	0.4885 ppm	0.4993 ppm	0.5058 ppm	0.5099 ppm	0.5044 ppm	5.4219 ppm	0.5186 ppm
Recovery Percentage 1	98.003 %	100.173 %	101.208 %	101.964 %	100.407 %	108.256 %	103.695 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.1 %	0.6 %	0.8 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5272 ppm	0.5214 ppm	0.4954 ppm	10.3761 ppm	0.5065 ppm	0.5079 ppm	0.5200 ppm
Concentration per Run 1	0.5297 ppm	0.5169 ppm	0.4957 ppm	10.3020 ppm	0.5062 ppm	0.5077 ppm	0.5213 ppm
Concentration per Run 2	0.5233 ppm	0.5255 ppm	0.4963 ppm	10.4719 ppm	0.5082 ppm	0.5090 ppm	0.5228 ppm
Concentration per Run 3	0.5285 ppm	0.5218 ppm	0.4942 ppm	10.3543 ppm	0.5051 ppm	0.5071 ppm	0.5159 ppm
Recovery Percentage 1	105.430 %	104.277 %	99.076 %	103.761 %	101.306 %	101.586 %	103.995 %
Concentration RSD	0.7 %	0.8 %	0.2 %	0.8 %	0.3 %	0.2 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4950 ppm	5.4859 ppm	0.5084 ppm	0.5126 ppm	0.5092 ppm	0.5192 ppm	0.5115 ppm
Concentration per Run 1	0.4924 ppm	5.4857 ppm	0.5073 ppm	0.5081 ppm	0.5097 ppm	0.5207 ppm	0.5118 ppm
Concentration per Run 2	0.4947 ppm	5.4974 ppm	0.5109 ppm	0.5169 ppm	0.5092 ppm	0.5171 ppm	0.5119 ppm
Concentration per Run 3	0.4980 ppm	5.4745 ppm	0.5069 ppm	0.5129 ppm	0.5086 ppm	0.5198 ppm	0.5109 ppm
Recovery Percentage 1	99.008 %	104.493 %	101.676 %	102.527 %	101.833 %	103.846 %	102.309 %
Concentration RSD	0.6 %	0.2 %	0.4 %	0.9 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4967 ppm	102.6066 %	98.1349 %	98.3961 %	99.0144 %	97.6919 %	98.2381 %
Concentration per Run 1	0.4967 ppm	102.7493 %	98.1054 %	98.3294 %	99.5363 %	97.6143 %	98.1983 %
Concentration per Run 2	0.4979 ppm	102.4697 %	98.1978 %	98.5185 %	98.4285 %	97.4436 %	98.3456 %
Concentration per Run 3	0.4954 ppm	102.6008 %	98.1015 %	98.3403 %	99.0785 %	98.0176 %	98.1704 %
Recovery Percentage 1	99.333 %						
Concentration RSD	0.3 %	0.1 %	0.1 %	0.1 %	0.6 %	0.3 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 9:31:29 AM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0044 ppm	-0.0005 ppm	0.0027 ppm	0.0001 ppm	0.0001 ppm	0.0123 ppm
Concentration per Run 1	0.0003 ppm	0.0058 ppm	0.0016 ppm	0.0029 ppm	0.0002 ppm	0.0000 ppm	0.0123 ppm
Concentration per Run 2	0.0001 ppm	0.0015 ppm	-0.0018 ppm	0.0026 ppm	-0.0001 ppm	0.0001 ppm	0.0122 ppm
Concentration per Run 3	0.0001 ppm	0.0060 ppm	-0.0013 ppm	0.0025 ppm	0.0003 ppm	0.0001 ppm	0.0123 ppm
Recovery Percentage 1	2.457 %	4.437 %	-9.759 %	8.973 %	1.200 %	1.184 %	12.263 %
Concentration RSD	61.0 %	57.8 %	370.9 %	7.0 %	195.6 %	52.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0705 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0008 ppm	0.0626 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0020 ppm	0.0742 ppm	-0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0748 ppm	0.0004 ppm
Recovery Percentage 1	-0.559 %	-0.698 %	1.388 %	2.573 %	2.081 %	2.820 %	-0.813 %
Concentration RSD	145.5 %	18.7 %	185.0 %	103.3 %	87.4 %	9.8 %	496.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0008 ppm	0.0000 ppm	0.0021 ppm	0.0661 ppm	0.0003 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run 1	-0.0011 ppm	0.0002 ppm	0.0021 ppm	0.0623 ppm	0.0004 ppm	-0.0007 ppm	0.0018 ppm
Concentration per Run 2	0.0037 ppm	0.0000 ppm	0.0023 ppm	0.0658 ppm	0.0001 ppm	-0.0005 ppm	0.0021 ppm
Concentration per Run 3	-0.0003 ppm	-0.0001 ppm	0.0019 ppm	0.0703 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	0.757 %	0.349 %	4.173 %	3.307 %	1.022 %	-4.342 %	2.548 %
Concentration RSD	337.9 %	383.0 %	10.0 %	6.1 %	54.0 %	78.8 %	94.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0033 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0034 ppm	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0007 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 2	0.0016 ppm	-0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0049 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm
Recovery Percentage 1	33.105 %	-0.006 %	0.546 %	1.007 %	3.393 %	4.086 %	0.896 %
Concentration RSD	49.2 %	1,202.7 %	193.6 %	43.4 %	98.4 %	26.8 %	203.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.5745 %	99.7219 %	99.7255 %	97.1286 %	99.0074 %	98.0329 %
Concentration per Run 1	0.0004 ppm	101.3672 %	99.9253 %	99.6804 %	96.9925 %	99.0929 %	98.1300 %
Concentration per Run 2	0.0003 ppm	102.1616 %	99.4655 %	99.7182 %	97.7736 %	98.9309 %	97.8340 %
Concentration per Run 3	0.0003 ppm	101.1948 %	99.7750 %	99.7781 %	96.6198 %	98.9983 %	98.1348 %
Recovery Percentage 1	5.987 %						
Concentration RSD	16.2 %	0.5 %	0.2 %	0.0 %	0.6 %	0.1 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-1 WG2085346
Analysis started at: 7/1/2025 10:52:54 AM
Comments <Comment>
Rack: 1
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0019 ppm	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run 1	-0.0001 ppm	0.0059 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0067 ppm
Concentration per Run 2	0.0003 ppm	0.0041 ppm	0.0002 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0027 ppm
Concentration per Run 3	0.0001 ppm	-0.0042 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0033 ppm
Concentration RSD	185.3 %	275.9 %	410.7 %	69.6 %	37.2 %	188.4 %	50.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0025 ppm	0.0252 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0028 ppm	0.0124 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0012 ppm	0.0286 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0037 ppm	0.0347 ppm	0.0003 ppm
Concentration RSD	147.6 %	85.5 %	64.2 %	25.2 %	50.2 %	45.8 %	890.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	0.0001 ppm	0.0005 ppm	0.0420 ppm	0.0000 ppm	-0.0002 ppm	0.0011 ppm
Concentration per Run 1	0.0014 ppm	0.0002 ppm	0.0008 ppm	0.0405 ppm	0.0001 ppm	-0.0005 ppm	0.0009 ppm
Concentration per Run 2	0.0050 ppm	-0.0002 ppm	0.0004 ppm	0.0328 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0049 ppm	0.0002 ppm	0.0004 ppm	0.0525 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration RSD	55.1 %	273.3 %	48.0 %	23.7 %	253.0 %	170.3 %	59.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	0.0186 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0031 ppm	0.0181 ppm	-0.0008 ppm	0.0002 ppm	0.0002 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0034 ppm	0.0183 ppm	-0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0195 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm
Concentration RSD	34.5 %	3.9 %	106.9 %	43.9 %	95.1 %	218.7 %	67.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	105.8633 %	101.6044 %	101.0254 %	101.9014 %	99.3885 %	99.7130 %
Concentration per Run 1	0.0003 ppm	106.7318 %	101.5318 %	101.2792 %	103.1408 %	99.5461 %	99.6229 %
Concentration per Run 2	0.0003 ppm	105.3796 %	101.6630 %	100.9419 %	101.7976 %	99.1879 %	99.8854 %
Concentration per Run 3	0.0002 ppm	105.4784 %	101.6186 %	100.8550 %	100.7657 %	99.4316 %	99.6306 %
Concentration RSD	26.7 %	0.7 %	0.1 %	0.2 %	1.2 %	0.2 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-2 WG2085346
Analysis started at: 7/1/2025 10:59:20 AM
Comments <Comment>
Rack: 1
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0586 ppm	2.3444 ppm	0.1180 ppm	0.9726 ppm	2.2732 ppm	0.0582 ppm	10.2465 ppm
Concentration per Run 1	0.0585 ppm	2.3688 ppm	0.1183 ppm	0.9688 ppm	2.2641 ppm	0.0589 ppm	10.3517 ppm
Concentration per Run 2	0.0584 ppm	2.3343 ppm	0.1183 ppm	0.9724 ppm	2.2499 ppm	0.0580 ppm	10.2407 ppm
Concentration per Run 3	0.0589 ppm	2.3302 ppm	0.1176 ppm	0.9766 ppm	2.3058 ppm	0.0578 ppm	10.1470 ppm
Concentration RSD	0.5 %	0.9 %	0.3 %	0.4 %	1.3 %	1.1 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0512 ppm	0.5326 ppm	0.2188 ppm	0.2763 ppm	1.0960 ppm	10.8422 ppm	-0.0001 ppm
Concentration per Run 1	0.0511 ppm	0.5311 ppm	0.2191 ppm	0.2761 ppm	1.1079 ppm	10.9457 ppm	-0.0001 ppm
Concentration per Run 2	0.0512 ppm	0.5327 ppm	0.2181 ppm	0.2757 ppm	1.0919 ppm	10.8230 ppm	-0.0007 ppm
Concentration per Run 3	0.0512 ppm	0.5342 ppm	0.2193 ppm	0.2772 ppm	1.0881 ppm	10.7578 ppm	0.0006 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	1.0 %	0.9 %	1,074.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2250 ppm	0.5703 ppm	0.9725 ppm	11.1848 ppm	0.5523 ppm	0.5303 ppm	0.4467 ppm
Concentration per Run 1	10.2215 ppm	0.5762 ppm	0.9680 ppm	11.3359 ppm	0.5513 ppm	0.5294 ppm	0.4360 ppm
Concentration per Run 2	10.2127 ppm	0.5689 ppm	0.9708 ppm	11.1150 ppm	0.5514 ppm	0.5295 ppm	0.4485 ppm
Concentration per Run 3	10.2408 ppm	0.5659 ppm	0.9789 ppm	11.1036 ppm	0.5542 ppm	0.5321 ppm	0.4556 ppm
Concentration RSD	0.1 %	0.9 %	0.6 %	1.2 %	0.3 %	0.3 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1206 ppm	1.0959 ppm	0.9826 ppm	1.0166 ppm	1.0142 ppm	0.1240 ppm	0.5631 ppm
Concentration per Run 1	0.1192 ppm	1.0929 ppm	0.9807 ppm	1.0268 ppm	1.0146 ppm	0.1221 ppm	0.5632 ppm
Concentration per Run 2	0.1213 ppm	1.0956 ppm	0.9798 ppm	1.0121 ppm	1.0132 ppm	0.1246 ppm	0.5627 ppm
Concentration per Run 3	0.1213 ppm	1.0991 ppm	0.9874 ppm	1.0109 ppm	1.0147 ppm	0.1254 ppm	0.5636 ppm
Concentration RSD	1.0 %	0.3 %	0.4 %	0.9 %	0.1 %	1.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5407 ppm	101.4701 %	98.5978 %	98.5858 %	98.5195 %	96.7961 %	97.8760 %
Concentration per Run 1	0.5403 ppm	100.4664 %	98.6253 %	98.6523 %	97.6486 %	96.9824 %	97.8678 %
Concentration per Run 2	0.5399 ppm	101.7162 %	98.5955 %	98.3517 %	98.6148 %	96.8621 %	97.9901 %
Concentration per Run 3	0.5420 ppm	102.2277 %	98.5727 %	98.7535 %	99.2950 %	96.5439 %	97.7702 %
Concentration RSD	0.2 %	0.9 %	0.0 %	0.2 %	0.8 %	0.2 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-11 WG2085346
Analysis started at: 7/1/2025 11:05:47 AM
Comments <Comment>
Rack: 1
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0711 ppm	0.0005 ppm	0.0183 ppm	0.0273 ppm	0.0000 ppm	11.0588 ppm
Concentration per Run 1	-0.0001 ppm	0.0724 ppm	0.0013 ppm	0.0180 ppm	0.0268 ppm	0.0000 ppm	10.8646 ppm
Concentration per Run 2	0.0002 ppm	0.0703 ppm	0.0005 ppm	0.0187 ppm	0.0276 ppm	0.0000 ppm	11.1549 ppm
Concentration per Run 3	0.0001 ppm	0.0706 ppm	-0.0002 ppm	0.0181 ppm	0.0276 ppm	0.0000 ppm	11.1570 ppm
Concentration RSD	228.8 %	1.6 %	146.0 %	2.2 %	1.7 %	58.8 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0015 ppm	0.7121 ppm	1.8799 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0016 ppm	0.6955 ppm	1.8412 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0014 ppm	0.7192 ppm	1.8938 ppm	0.0010 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0014 ppm	0.7216 ppm	1.9046 ppm	0.0006 ppm
Concentration RSD	20.6 %	64.3 %	53.1 %	8.7 %	2.0 %	1.8 %	35.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.5025 ppm	0.1039 ppm	0.0046 ppm	44.0743 ppm	0.0004 ppm	0.0002 ppm	0.0121 ppm
Concentration per Run 1	2.4960 ppm	0.1021 ppm	0.0052 ppm	43.2783 ppm	0.0005 ppm	0.0001 ppm	0.0118 ppm
Concentration per Run 2	2.5071 ppm	0.1050 ppm	0.0047 ppm	44.5745 ppm	0.0004 ppm	0.0005 ppm	0.0122 ppm
Concentration per Run 3	2.5044 ppm	0.1046 ppm	0.0040 ppm	44.3700 ppm	0.0003 ppm	0.0000 ppm	0.0122 ppm
Concentration RSD	0.2 %	1.5 %	14.0 %	1.6 %	21.1 %	159.2 %	1.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	4.5406 ppm	0.0023 ppm	0.0728 ppm	0.0014 ppm	0.0002 ppm	0.0006 ppm
Concentration per Run 1	0.0014 ppm	4.5312 ppm	0.0027 ppm	0.0714 ppm	0.0014 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 2	0.0010 ppm	4.5493 ppm	0.0023 ppm	0.0737 ppm	0.0014 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run 3	0.0028 ppm	4.5415 ppm	0.0020 ppm	0.0734 ppm	0.0013 ppm	0.0000 ppm	0.0006 ppm
Concentration RSD	55.4 %	0.2 %	13.7 %	1.7 %	4.3 %	218.8 %	24.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0033 ppm	105.1342 %	97.3490 %	97.6200 %	100.6540 %	95.9294 %	96.9729 %
Concentration per Run 1	0.0033 ppm	107.1134 %	97.1789 %	97.7052 %	102.2707 %	96.0525 %	96.9110 %
Concentration per Run 2	0.0033 ppm	104.3850 %	97.5643 %	97.6950 %	99.6622 %	95.8055 %	96.9400 %
Concentration per Run 3	0.0034 ppm	103.9042 %	97.3039 %	97.4599 %	100.0291 %	95.9301 %	97.0678 %
Concentration RSD	1.3 %	1.6 %	0.2 %	0.1 %	1.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-14 WG2085346
Analysis started at: 7/1/2025 11:12:12 AM
Comments <Comment>
Rack: 1
Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0080 ppm	0.0004 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0532 ppm
Concentration per Run 1	0.0000 ppm	0.0052 ppm	0.0005 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0520 ppm
Concentration per Run 2	-0.0002 ppm	0.0098 ppm	0.0011 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0533 ppm
Concentration per Run 3	-0.0002 ppm	0.0090 ppm	-0.0003 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0541 ppm
Concentration RSD	106.9 %	31.2 %	163.9 %	9.6 %	32.2 %	96.3 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0011 ppm	0.0376 ppm	-0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0452 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0016 ppm	0.0395 ppm	-0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0008 ppm	0.0282 ppm	-0.0003 ppm
Concentration RSD	42.9 %	91.7 %	430.7 %	17.2 %	42.7 %	23.0 %	96.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0028 ppm	0.0000 ppm	0.0014 ppm	0.0419 ppm	0.0001 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run 1	0.0030 ppm	0.0001 ppm	0.0015 ppm	0.0351 ppm	-0.0002 ppm	-0.0002 ppm	0.0034 ppm
Concentration per Run 2	0.0028 ppm	0.0001 ppm	0.0015 ppm	0.0449 ppm	0.0005 ppm	0.0005 ppm	0.0038 ppm
Concentration per Run 3	0.0026 ppm	-0.0002 ppm	0.0011 ppm	0.0456 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Concentration RSD	6.4 %	13,544.7 %	15.7 %	14.0 %	336.8 %	392.9 %	29.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0199 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 1	0.0010 ppm	0.0203 ppm	0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0011 ppm	0.0198 ppm	0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run 3	0.0017 ppm	0.0196 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Concentration RSD	31.1 %	1.8 %	173.3 %	47.1 %	43.4 %	42.3 %	166.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.7090 %	100.3775 %	99.8311 %	99.5530 %	99.9061 %	99.2356 %
Concentration per Run 1	0.0002 ppm	104.9878 %	100.2988 %	99.8322 %	100.6045 %	99.8555 %	99.0757 %
Concentration per Run 2	0.0003 ppm	103.1459 %	100.5653 %	99.8330 %	98.9505 %	99.9991 %	99.3503 %
Concentration per Run 3	0.0003 ppm	102.9932 %	100.2685 %	99.8280 %	99.1039 %	99.8638 %	99.2808 %
Concentration RSD	13.8 %	1.1 %	0.2 %	0.0 %	0.9 %	0.1 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-17 WG2085346
Analysis started at: 7/1/2025 11:18:39 AM
Comments <Comment>
Rack: 1
Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0641 ppm	0.0003 ppm	0.0124 ppm	0.0237 ppm	0.0000 ppm	9.1452 ppm
Concentration per Run 1	-0.0001 ppm	0.0619 ppm	0.0021 ppm	0.0125 ppm	0.0235 ppm	0.0000 ppm	9.0417 ppm
Concentration per Run 2	0.0002 ppm	0.0678 ppm	-0.0008 ppm	0.0124 ppm	0.0240 ppm	0.0000 ppm	9.2025 ppm
Concentration per Run 3	-0.0001 ppm	0.0626 ppm	-0.0004 ppm	0.0123 ppm	0.0236 ppm	0.0000 ppm	9.1913 ppm
Concentration RSD	5,997.1 %	5.0 %	460.8 %	0.9 %	1.1 %	38.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0013 ppm	1.1084 ppm	2.0582 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0000 ppm	0.0012 ppm	1.0949 ppm	2.0462 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0014 ppm	1.1117 ppm	2.0567 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0013 ppm	1.1185 ppm	2.0716 ppm	0.0009 ppm
Concentration RSD	36.2 %	7.4 %	84.2 %	5.1 %	1.1 %	0.6 %	20.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.0183 ppm	0.1148 ppm	0.0007 ppm	39.9526 ppm	0.0006 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	3.0145 ppm	0.1129 ppm	0.0007 ppm	39.4175 ppm	0.0006 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 2	3.0308 ppm	0.1159 ppm	0.0008 ppm	40.3175 ppm	0.0006 ppm	0.0004 ppm	0.0026 ppm
Concentration per Run 3	3.0095 ppm	0.1157 ppm	0.0006 ppm	40.1227 ppm	0.0007 ppm	-0.0003 ppm	0.0009 ppm
Concentration RSD	0.4 %	1.5 %	14.0 %	1.2 %	8.2 %	1,209.9 %	49.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	1.2494 ppm	0.0003 ppm	0.0618 ppm	0.0010 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 1	0.0019 ppm	1.2472 ppm	0.0005 ppm	0.0609 ppm	0.0012 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	0.0013 ppm	1.2492 ppm	0.0005 ppm	0.0624 ppm	0.0008 ppm	-0.0006 ppm	0.0006 ppm
Concentration per Run 3	-0.0022 ppm	1.2517 ppm	-0.0001 ppm	0.0622 ppm	0.0011 ppm	0.0002 ppm	0.0004 ppm
Concentration RSD	660.5 %	0.2 %	110.9 %	1.4 %	22.5 %	260.0 %	40.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	103.5704 %	97.8463 %	97.8833 %	100.3169 %	96.1360 %	96.8220 %
Concentration per Run 1	0.0023 ppm	104.4927 %	97.7214 %	98.0946 %	101.6216 %	96.3186 %	97.0369 %
Concentration per Run 2	0.0024 ppm	103.2862 %	97.8471 %	97.7984 %	99.4568 %	96.0335 %	96.5294 %
Concentration per Run 3	0.0024 ppm	102.9321 %	97.9704 %	97.7569 %	99.8722 %	96.0557 %	96.8998 %
Concentration RSD	1.7 %	0.8 %	0.1 %	0.2 %	1.1 %	0.2 %	0.3 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-01 WG2085346
Analysis started at: 7/1/2025 11:24:59 AM
Comments <Comment>
Rack: 1
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0064 ppm	0.0000 ppm	0.0248 ppm	0.0227 ppm	0.0000 ppm	7.4602 ppm
Concentration per Run 1	0.0003 ppm	0.0063 ppm	0.0004 ppm	0.0245 ppm	0.0226 ppm	0.0000 ppm	7.4497 ppm
Concentration per Run 2	-0.0003 ppm	0.0037 ppm	-0.0002 ppm	0.0248 ppm	0.0229 ppm	0.0000 ppm	7.5041 ppm
Concentration per Run 3	0.0000 ppm	0.0092 ppm	-0.0003 ppm	0.0250 ppm	0.0226 ppm	0.0000 ppm	7.4269 ppm
Concentration RSD	8,845.8 %	42.5 %	1,245.6 %	1.0 %	0.7 %	164.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0044 ppm	1.2457 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0010 ppm	0.0041 ppm	1.2318 ppm	-0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0048 ppm	1.2443 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0044 ppm	1.2610 ppm	-0.0001 ppm
Concentration RSD	90.4 %	50.4 %	11.0 %	1.3 %	7.8 %	1.2 %	2,184.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.4441 ppm	0.0006 ppm	0.0004 ppm	36.9972 ppm	0.0005 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	2.4432 ppm	0.0005 ppm	0.0003 ppm	36.8812 ppm	0.0004 ppm	-0.0012 ppm	0.0007 ppm
Concentration per Run 2	2.4382 ppm	0.0007 ppm	0.0005 ppm	37.2399 ppm	0.0003 ppm	-0.0006 ppm	-0.0011 ppm
Concentration per Run 3	2.4509 ppm	0.0005 ppm	0.0005 ppm	36.8703 ppm	0.0006 ppm	-0.0001 ppm	0.0007 ppm
Concentration RSD	0.3 %	18.9 %	30.9 %	0.6 %	31.5 %	88.7 %	1,126.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	3.9632 ppm	-0.0001 ppm	0.0327 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 1	0.0014 ppm	3.9622 ppm	-0.0004 ppm	0.0325 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0017 ppm	3.9741 ppm	0.0002 ppm	0.0329 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0011 ppm	3.9534 ppm	-0.0001 ppm	0.0326 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Concentration RSD	23.2 %	0.3 %	242.8 %	0.6 %	15.3 %	171.0 %	41.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0017 ppm	102.0678 %	97.5166 %	97.8747 %	97.4834 %	96.1762 %	96.7884 %
Concentration per Run 1	0.0016 ppm	102.3187 %	97.5739 %	97.8367 %	97.8341 %	96.1922 %	96.7348 %
Concentration per Run 2	0.0017 ppm	101.7513 %	97.5329 %	97.9113 %	96.9519 %	96.0561 %	96.8215 %
Concentration per Run 3	0.0018 ppm	102.1333 %	97.4429 %	97.8762 %	97.6642 %	96.2801 %	96.8089 %
Concentration RSD	5.5 %	0.3 %	0.1 %	0.0 %	0.5 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-3 WG2085346
Analysis started at: 7/1/2025 11:31:22 AM
Comments <Comment>
Rack: 1
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0595 ppm	2.2882 ppm	0.1229 ppm	1.0301 ppm	2.2484 ppm	0.0570 ppm	17.2450 ppm
Concentration per Run 1	0.0590 ppm	2.2476 ppm	0.1222 ppm	1.0299 ppm	2.2175 ppm	0.0559 ppm	16.9539 ppm
Concentration per Run 2	0.0594 ppm	2.2997 ppm	0.1232 ppm	1.0282 ppm	2.2283 ppm	0.0573 ppm	17.2834 ppm
Concentration per Run 3	0.0600 ppm	2.3173 ppm	0.1234 ppm	1.0323 ppm	2.2994 ppm	0.0578 ppm	17.4978 ppm
Concentration RSD	0.9 %	1.6 %	0.5 %	0.2 %	2.0 %	1.7 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0518 ppm	0.5368 ppm	0.2202 ppm	0.2784 ppm	1.0643 ppm	12.0765 ppm	0.0002 ppm
Concentration per Run 1	0.0517 ppm	0.5354 ppm	0.2200 ppm	0.2784 ppm	1.0499 ppm	11.8456 ppm	-0.0005 ppm
Concentration per Run 2	0.0519 ppm	0.5366 ppm	0.2203 ppm	0.2787 ppm	1.0644 ppm	12.1351 ppm	0.0003 ppm
Concentration per Run 3	0.0519 ppm	0.5382 ppm	0.2203 ppm	0.2782 ppm	1.0786 ppm	12.2488 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.1 %	1.3 %	1.7 %	298.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.6670 ppm	0.5570 ppm	0.9816 ppm	47.0921 ppm	0.5529 ppm	0.5306 ppm	0.4553 ppm
Concentration per Run 1	12.6484 ppm	0.5458 ppm	0.9780 ppm	46.2202 ppm	0.5522 ppm	0.5291 ppm	0.4487 ppm
Concentration per Run 2	12.6672 ppm	0.5600 ppm	0.9810 ppm	47.3430 ppm	0.5527 ppm	0.5306 ppm	0.4560 ppm
Concentration per Run 3	12.6855 ppm	0.5653 ppm	0.9857 ppm	47.7130 ppm	0.5540 ppm	0.5321 ppm	0.4612 ppm
Concentration RSD	0.1 %	1.8 %	0.4 %	1.7 %	0.2 %	0.3 %	1.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1237 ppm	5.1780 ppm	0.9852 ppm	1.0390 ppm	1.0270 ppm	0.1218 ppm	0.5679 ppm
Concentration per Run 1	0.1249 ppm	5.1718 ppm	0.9838 ppm	1.0182 ppm	1.0253 ppm	0.1228 ppm	0.5673 ppm
Concentration per Run 2	0.1229 ppm	5.1717 ppm	0.9829 ppm	1.0467 ppm	1.0277 ppm	0.1206 ppm	0.5689 ppm
Concentration per Run 3	0.1233 ppm	5.1904 ppm	0.9889 ppm	1.0519 ppm	1.0279 ppm	0.1222 ppm	0.5676 ppm
Concentration RSD	0.9 %	0.2 %	0.3 %	1.7 %	0.1 %	0.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5532 ppm	104.2826 %	97.0628 %	97.2348 %	100.6019 %	95.2116 %	96.5192 %
Concentration per Run 1	0.5519 ppm	105.4759 %	97.0044 %	97.1719 %	102.1692 %	95.2140 %	96.6027 %
Concentration per Run 2	0.5534 ppm	104.5171 %	97.1954 %	97.3680 %	100.5496 %	95.3073 %	96.5860 %
Concentration per Run 3	0.5543 ppm	102.8548 %	96.9886 %	97.1644 %	99.0869 %	95.1133 %	96.3690 %
Concentration RSD	0.2 %	1.3 %	0.1 %	0.1 %	1.5 %	0.1 %	0.1 %

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7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-4 WG2085346
Analysis started at: 7/1/2025 11:37:38 AM
Comments <Comment>
Rack: 1
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0088 ppm	0.0003 ppm	0.0264 ppm	0.0236 ppm	0.0000 ppm	7.7247 ppm
Concentration per Run 1	0.0002 ppm	0.0071 ppm	-0.0003 ppm	0.0263 ppm	0.0241 ppm	0.0000 ppm	7.9127 ppm
Concentration per Run 2	-0.0003 ppm	0.0116 ppm	0.0003 ppm	0.0263 ppm	0.0234 ppm	0.0000 ppm	7.6632 ppm
Concentration per Run 3	-0.0001 ppm	0.0077 ppm	0.0011 ppm	0.0264 ppm	0.0232 ppm	0.0000 ppm	7.5982 ppm
Concentration RSD	310.6 %	27.8 %	211.0 %	0.3 %	1.8 %	40.6 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0009 ppm	0.0041 ppm	1.2815 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0045 ppm	1.3061 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0027 ppm	1.2783 ppm	0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0052 ppm	1.2600 ppm	0.0004 ppm
Concentration RSD	42.2 %	66.5 %	40.2 %	9.9 %	31.0 %	1.8 %	44.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.4860 ppm	0.0008 ppm	0.0056 ppm	38.2678 ppm	0.0005 ppm	-0.0004 ppm	0.0125 ppm
Concentration per Run 1	2.4809 ppm	0.0008 ppm	0.0063 ppm	39.0340 ppm	0.0006 ppm	-0.0010 ppm	0.0143 ppm
Concentration per Run 2	2.4939 ppm	0.0009 ppm	0.0055 ppm	38.0864 ppm	0.0006 ppm	-0.0001 ppm	0.0118 ppm
Concentration per Run 3	2.4831 ppm	0.0008 ppm	0.0051 ppm	37.6831 ppm	0.0005 ppm	-0.0001 ppm	0.0114 ppm
Concentration RSD	0.3 %	2.5 %	10.8 %	1.8 %	12.3 %	118.9 %	12.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	4.0500 ppm	0.0045 ppm	0.0339 ppm	0.0006 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0012 ppm	4.0524 ppm	0.0050 ppm	0.0346 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	0.0033 ppm	4.0441 ppm	0.0042 ppm	0.0337 ppm	0.0004 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run 3	0.0016 ppm	4.0534 ppm	0.0044 ppm	0.0333 ppm	0.0007 ppm	0.0007 ppm	0.0002 ppm
Concentration RSD	185.1 %	0.1 %	9.8 %	1.9 %	24.9 %	205.2 %	82.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0017 ppm	101.5346 %	97.7415 %	97.6971 %	96.5687 %	96.2344 %	96.9124 %
Concentration per Run 1	0.0016 ppm	99.4550 %	97.9595 %	97.7673 %	94.4044 %	96.2288 %	97.0328 %
Concentration per Run 2	0.0017 ppm	102.1657 %	97.6591 %	97.7984 %	97.4164 %	96.3470 %	96.8189 %
Concentration per Run 3	0.0018 ppm	102.9832 %	97.6059 %	97.5257 %	97.8852 %	96.1274 %	96.8854 %
Concentration RSD	4.7 %	1.8 %	0.2 %	0.2 %	2.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-5 WG2085346
Analysis started at: 7/1/2025 11:43:57 AM
Comments <Comment>
Rack: 1
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0572 ppm	2.2232 ppm	0.1193 ppm	1.0043 ppm	2.2123 ppm	0.0557 ppm	17.0740 ppm
Concentration per Run 1	0.0574 ppm	2.2202 ppm	0.1198 ppm	1.0044 ppm	2.2113 ppm	0.0555 ppm	17.0337 ppm
Concentration per Run 2	0.0569 ppm	2.2214 ppm	0.1199 ppm	1.0021 ppm	2.2164 ppm	0.0558 ppm	17.0723 ppm
Concentration per Run 3	0.0573 ppm	2.2281 ppm	0.1181 ppm	1.0064 ppm	2.2093 ppm	0.0559 ppm	17.1160 ppm
Concentration RSD	0.5 %	0.2 %	0.9 %	0.2 %	0.2 %	0.4 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0496 ppm	0.5132 ppm	0.2109 ppm	0.2674 ppm	1.0293 ppm	12.1040 ppm	-0.0011 ppm
Concentration per Run 1	0.0497 ppm	0.5132 ppm	0.2113 ppm	0.2676 ppm	1.0275 ppm	12.0713 ppm	-0.0010 ppm
Concentration per Run 2	0.0496 ppm	0.5128 ppm	0.2111 ppm	0.2672 ppm	1.0273 ppm	12.0829 ppm	-0.0010 ppm
Concentration per Run 3	0.0496 ppm	0.5137 ppm	0.2103 ppm	0.2676 ppm	1.0329 ppm	12.1577 ppm	-0.0015 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	0.3 %	0.4 %	23.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.3771 ppm	0.5455 ppm	0.9486 ppm	46.9077 ppm	0.5270 ppm	0.5121 ppm	0.3910 ppm
Concentration per Run 1	12.3687 ppm	0.5428 ppm	0.9458 ppm	46.7538 ppm	0.5273 ppm	0.5129 ppm	0.3754 ppm
Concentration per Run 2	12.3986 ppm	0.5459 ppm	0.9482 ppm	46.9803 ppm	0.5269 ppm	0.5115 ppm	0.3929 ppm
Concentration per Run 3	12.3640 ppm	0.5477 ppm	0.9518 ppm	46.9890 ppm	0.5269 ppm	0.5120 ppm	0.4047 ppm
Concentration RSD	0.2 %	0.5 %	0.3 %	0.3 %	0.0 %	0.1 %	3.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1178 ppm	4.7738 ppm	0.9636 ppm	1.0465 ppm	1.0059 ppm	0.1188 ppm	0.5433 ppm
Concentration per Run 1	0.1161 ppm	4.7757 ppm	0.9613 ppm	1.0420 ppm	1.0048 ppm	0.1180 ppm	0.5427 ppm
Concentration per Run 2	0.1182 ppm	4.7682 ppm	0.9629 ppm	1.0483 ppm	1.0079 ppm	0.1174 ppm	0.5440 ppm
Concentration per Run 3	0.1193 ppm	4.7775 ppm	0.9665 ppm	1.0491 ppm	1.0049 ppm	0.1209 ppm	0.5431 ppm
Concentration RSD	1.4 %	0.1 %	0.3 %	0.4 %	0.2 %	1.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5294 ppm	102.7878 %	96.5811 %	96.6984 %	97.8719 %	95.2378 %	95.8138 %
Concentration per Run 1	0.5299 ppm	102.5939 %	96.6381 %	96.6851 %	97.8618 %	95.1506 %	95.8694 %
Concentration per Run 2	0.5297 ppm	102.7260 %	96.5556 %	96.8304 %	97.7300 %	95.3675 %	95.7270 %
Concentration per Run 3	0.5286 ppm	103.0436 %	96.5496 %	96.5798 %	98.0240 %	95.1952 %	95.8449 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	0.2 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-6d5 WG2085346
Analysis started at: 7/1/2025 11:50:03 AM
Comments <Comment>
Rack: 1
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0036 ppm	-0.0009 ppm	0.0067 ppm	0.0044 ppm	0.0000 ppm	1.4531 ppm
Concentration per Run 1	0.0000 ppm	0.0082 ppm	-0.0007 ppm	0.0070 ppm	0.0041 ppm	0.0000 ppm	1.3639 ppm
Concentration per Run 2	0.0000 ppm	0.0027 ppm	-0.0007 ppm	0.0067 ppm	0.0045 ppm	0.0000 ppm	1.4871 ppm
Concentration per Run 3	-0.0003 ppm	0.0000 ppm	-0.0013 ppm	0.0065 ppm	0.0047 ppm	0.0000 ppm	1.5082 ppm
Concentration RSD	125.4 %	116.3 %	36.9 %	4.0 %	7.3 %	77.2 %	5.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0025 ppm	0.2782 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0018 ppm	0.2734 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0024 ppm	0.2780 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0033 ppm	0.2831 ppm	0.0012 ppm
Concentration RSD	19.8 %	181.4 %	1,039.6 %	4.9 %	29.5 %	1.7 %	17.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5056 ppm	0.0003 ppm	0.0062 ppm	7.0819 ppm	0.0002 ppm	0.0000 ppm	0.0254 ppm
Concentration per Run 1	0.5051 ppm	0.0002 ppm	0.0070 ppm	6.7110 ppm	0.0003 ppm	-0.0005 ppm	0.0278 ppm
Concentration per Run 2	0.5038 ppm	0.0003 ppm	0.0063 ppm	7.2151 ppm	0.0001 ppm	0.0004 ppm	0.0250 ppm
Concentration per Run 3	0.5080 ppm	0.0003 ppm	0.0054 ppm	7.3196 ppm	0.0002 ppm	0.0001 ppm	0.0235 ppm
Concentration RSD	0.4 %	23.1 %	12.5 %	4.6 %	50.2 %	1,651.9 %	8.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.7861 ppm	0.0054 ppm	0.0065 ppm	0.0006 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0009 ppm	0.7849 ppm	0.0062 ppm	0.0061 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0011 ppm	0.7890 ppm	0.0055 ppm	0.0066 ppm	0.0005 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 3	-0.0003 ppm	0.7844 ppm	0.0046 ppm	0.0066 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	7,108.3 %	0.3 %	14.0 %	4.2 %	37.1 %	163.4 %	3.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	107.0654 %	98.7910 %	98.6792 %	102.1740 %	99.7428 %	98.0096 %
Concentration per Run 1	0.0006 ppm	113.4305 %	98.7332 %	98.7997 %	107.8592 %	99.8927 %	97.7677 %
Concentration per Run 2	0.0007 ppm	104.2840 %	99.0844 %	98.5913 %	99.6757 %	99.4000 %	98.3072 %
Concentration per Run 3	0.0007 ppm	103.4816 %	98.5553 %	98.6467 %	98.9872 %	99.9356 %	97.9538 %
Concentration RSD	9.8 %	5.2 %	0.3 %	0.1 %	4.8 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 11:56:25 AM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5331 ppm	0.4983 ppm	0.4834 ppm	0.4950 ppm	0.5059 ppm	0.5180 ppm	0.5124 ppm
Concentration per Run 1	0.5324 ppm	0.4875 ppm	0.4832 ppm	0.4946 ppm	0.5026 ppm	0.5147 ppm	0.5080 ppm
Concentration per Run 2	0.5344 ppm	0.5042 ppm	0.4829 ppm	0.4954 ppm	0.5076 ppm	0.5194 ppm	0.5169 ppm
Concentration per Run 3	0.5325 ppm	0.5031 ppm	0.4841 ppm	0.4949 ppm	0.5076 ppm	0.5197 ppm	0.5124 ppm
Recovery Percentage 1	106.622 %	99.654 %	96.682 %	98.991 %	101.180 %	103.593 %	102.484 %
Concentration RSD	0.2 %	1.9 %	0.1 %	0.1 %	0.6 %	0.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4923 ppm	0.5016 ppm	0.5063 ppm	0.5098 ppm	0.4872 ppm	5.4159 ppm	0.5235 ppm
Concentration per Run 1	0.4915 ppm	0.5005 ppm	0.5065 ppm	0.5098 ppm	0.4842 ppm	5.3699 ppm	0.5198 ppm
Concentration per Run 2	0.4927 ppm	0.5028 ppm	0.5068 ppm	0.5086 ppm	0.4898 ppm	5.4221 ppm	0.5263 ppm
Concentration per Run 3	0.4927 ppm	0.5013 ppm	0.5057 ppm	0.5111 ppm	0.4875 ppm	5.4557 ppm	0.5244 ppm
Recovery Percentage 1	98.464 %	100.310 %	101.263 %	101.963 %	97.438 %	108.318 %	104.699 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.2 %	0.6 %	0.8 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5253 ppm	0.5238 ppm	0.4985 ppm	10.4999 ppm	0.5099 ppm	0.5102 ppm	0.5264 ppm
Concentration per Run 1	0.5269 ppm	0.5201 ppm	0.4976 ppm	10.4367 ppm	0.5090 ppm	0.5106 ppm	0.5290 ppm
Concentration per Run 2	0.5242 ppm	0.5262 ppm	0.4986 ppm	10.5319 ppm	0.5100 ppm	0.5100 ppm	0.5259 ppm
Concentration per Run 3	0.5249 ppm	0.5250 ppm	0.4992 ppm	10.5311 ppm	0.5106 ppm	0.5100 ppm	0.5245 ppm
Recovery Percentage 1	105.068 %	104.754 %	99.697 %	104.999 %	101.971 %	102.036 %	105.289 %
Concentration RSD	0.3 %	0.6 %	0.2 %	0.5 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4947 ppm	5.5207 ppm	0.5124 ppm	0.5220 ppm	0.5119 ppm	0.5234 ppm	0.5108 ppm
Concentration per Run 1	0.4942 ppm	5.5193 ppm	0.5125 ppm	0.5186 ppm	0.5121 ppm	0.5252 ppm	0.5108 ppm
Concentration per Run 2	0.4935 ppm	5.5238 ppm	0.5126 ppm	0.5238 ppm	0.5124 ppm	0.5240 ppm	0.5111 ppm
Concentration per Run 3	0.4964 ppm	5.5190 ppm	0.5122 ppm	0.5236 ppm	0.5114 ppm	0.5211 ppm	0.5106 ppm
Recovery Percentage 1	98.936 %	105.156 %	102.482 %	104.400 %	102.389 %	104.683 %	102.164 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.6 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5009 ppm	101.9691 %	98.0126 %	97.6248 %	97.6922 %	96.9825 %	97.4142 %
Concentration per Run 1	0.5003 ppm	102.2806 %	98.0112 %	97.3642 %	98.4567 %	96.9697 %	97.3865 %
Concentration per Run 2	0.5012 ppm	101.5554 %	97.9662 %	97.8368 %	97.1736 %	96.9865 %	97.3497 %
Concentration per Run 3	0.5012 ppm	102.0713 %	98.0604 %	97.6734 %	97.4461 %	96.9913 %	97.5065 %
Recovery Percentage 1	100.180 %						
Concentration RSD	0.1 %	0.4 %	0.0 %	0.2 %	0.7 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 12:02:32 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0045 ppm	-0.0001 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	0.0100 ppm
Concentration per Run 1	-0.0001 ppm	0.0075 ppm	-0.0017 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0101 ppm
Concentration per Run 2	-0.0002 ppm	0.0027 ppm	0.0019 ppm	0.0020 ppm	0.0000 ppm	0.0001 ppm	0.0111 ppm
Concentration per Run 3	-0.0001 ppm	0.0035 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0089 ppm
Recovery Percentage 1	-1.775 %	4.540 %	-1.315 %	5.734 %	0.649 %	1.664 %	10.003 %
Concentration RSD	56.0 %	56.9 %	2,779.3 %	23.0 %	103.4 %	16.8 %	11.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0434 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm	0.0349 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0559 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0005 ppm	-0.0006 ppm	0.0392 ppm	0.0014 ppm
Recovery Percentage 1	-0.640 %	-0.900 %	-0.009 %	3.756 %	0.350 %	1.735 %	6.154 %
Concentration RSD	91.0 %	20.2 %	21,445.5 %	35.5 %	433.0 %	25.5 %	168.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0002 ppm	0.0000 ppm	0.0023 ppm	0.0335 ppm	0.0002 ppm	-0.0002 ppm	0.0027 ppm
Concentration per Run 1	-0.0003 ppm	0.0000 ppm	0.0025 ppm	0.0316 ppm	0.0002 ppm	-0.0008 ppm	0.0027 ppm
Concentration per Run 2	0.0025 ppm	-0.0001 ppm	0.0024 ppm	0.0329 ppm	0.0003 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 3	-0.0017 ppm	0.0002 ppm	0.0020 ppm	0.0361 ppm	0.0002 ppm	0.0003 ppm	0.0027 ppm
Recovery Percentage 1	0.171 %	0.124 %	4.593 %	1.677 %	0.916 %	-1.707 %	5.300 %
Concentration RSD	1,249.9 %	1,243.7 %	12.9 %	6.8 %	37.7 %	334.2 %	2.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	-0.0004 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0007 ppm	-0.0008 ppm	0.0009 ppm	0.0002 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 2	0.0013 ppm	-0.0004 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.0000 ppm	0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm
Recovery Percentage 1	12.462 %	-0.075 %	1.861 %	1.675 %	1.879 %	0.664 %	0.464 %
Concentration RSD	36.8 %	107.4 %	35.4 %	28.1 %	70.0 %	582.9 %	95.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	104.8989 %	99.4894 %	99.1097 %	99.2430 %	98.6304 %	97.6205 %
Concentration per Run 1	0.0002 ppm	106.3622 %	99.2475 %	99.1555 %	100.7842 %	98.6256 %	97.4580 %
Concentration per Run 2	0.0002 ppm	104.6625 %	99.4712 %	99.0916 %	98.5357 %	98.3729 %	97.7833 %
Concentration per Run 3	0.0002 ppm	103.6720 %	99.7496 %	99.0820 %	98.4093 %	98.8928 %	97.6202 %
Recovery Percentage 1	4.405 %						
Concentration RSD	9.5 %	1.3 %	0.3 %	0.0 %	1.3 %	0.3 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-20 WG2085346
Analysis started at: 7/1/2025 12:12:07 PM
Comments <Comment>
Rack: 1
Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0200 ppm	-0.0003 ppm	0.0235 ppm	0.0738 ppm	0.0000 ppm	23.3256 ppm
Concentration per Run 1	-0.0006 ppm	0.0195 ppm	-0.0012 ppm	0.0238 ppm	0.0739 ppm	0.0000 ppm	23.3925 ppm
Concentration per Run 2	0.0003 ppm	0.0229 ppm	-0.0004 ppm	0.0237 ppm	0.0739 ppm	0.0000 ppm	23.2590 ppm
Concentration per Run 3	-0.0005 ppm	0.0176 ppm	0.0006 ppm	0.0230 ppm	0.0736 ppm	0.0000 ppm	23.3252 ppm
Concentration RSD	169.2 %	13.4 %	265.0 %	1.8 %	0.2 %	72.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0021 ppm	0.4808 ppm	3.2523 ppm	0.0023 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0021 ppm	0.4819 ppm	3.2372 ppm	0.0020 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0022 ppm	0.4780 ppm	3.2578 ppm	0.0027 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0020 ppm	0.4826 ppm	3.2619 ppm	0.0021 ppm
Concentration RSD	15.9 %	8.9 %	50.6 %	3.3 %	0.5 %	0.4 %	17.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.3593 ppm	0.2498 ppm	0.0019 ppm	159.9398 ppm	0.0009 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	7.3504 ppm	0.2493 ppm	0.0020 ppm	160.1502 ppm	0.0008 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 2	7.3560 ppm	0.2497 ppm	0.0017 ppm	159.7121 ppm	0.0009 ppm	-0.0007 ppm	-0.0005 ppm
Concentration per Run 3	7.3716 ppm	0.2505 ppm	0.0018 ppm	159.9572 ppm	0.0008 ppm	-0.0004 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.2 %	8.8 %	0.1 %	6.1 %	229.1 %	324.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	5.4027 ppm	-0.0003 ppm	0.1572 ppm	0.0006 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run 1	0.0014 ppm	5.3981 ppm	-0.0004 ppm	0.1569 ppm	0.0005 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run 2	0.0008 ppm	5.4080 ppm	-0.0005 ppm	0.1574 ppm	0.0004 ppm	0.0020 ppm	0.0005 ppm
Concentration per Run 3	0.0011 ppm	5.4020 ppm	0.0002 ppm	0.1573 ppm	0.0007 ppm	0.0016 ppm	0.0007 ppm
Concentration RSD	28.8 %	0.1 %	147.3 %	0.2 %	21.2 %	63.9 %	17.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0067 ppm	102.1762 %	93.7531 %	94.1378 %	98.1349 %	90.4883 %	93.1334 %
Concentration per Run 1	0.0067 ppm	101.9874 %	93.5923 %	94.3464 %	98.1267 %	90.5704 %	92.9949 %
Concentration per Run 2	0.0067 ppm	102.5586 %	93.7363 %	94.0154 %	98.2741 %	90.3998 %	93.1180 %
Concentration per Run 3	0.0067 ppm	101.9828 %	93.9307 %	94.0516 %	98.0039 %	90.4948 %	93.2872 %
Concentration RSD	0.8 %	0.3 %	0.2 %	0.2 %	0.1 %	0.1 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-23 WG2085346
Analysis started at: 7/1/2025 12:18:37 PM
Comments <Comment>
Rack: 1
Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0677 ppm	0.0004 ppm	0.0196 ppm	0.0347 ppm	0.0001 ppm	12.6623 ppm
Concentration per Run 1	0.0001 ppm	0.0624 ppm	0.0002 ppm	0.0195 ppm	0.0352 ppm	0.0001 ppm	12.8975 ppm
Concentration per Run 2	-0.0004 ppm	0.0685 ppm	0.0010 ppm	0.0197 ppm	0.0346 ppm	0.0000 ppm	12.6022 ppm
Concentration per Run 3	0.0000 ppm	0.0722 ppm	-0.0001 ppm	0.0197 ppm	0.0342 ppm	0.0001 ppm	12.4871 ppm
Concentration RSD	258.1 %	7.3 %	146.5 %	0.5 %	1.4 %	72.5 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0018 ppm	0.9749 ppm	2.3289 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0019 ppm	0.9859 ppm	2.3737 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0017 ppm	0.9760 ppm	2.3265 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0018 ppm	0.9629 ppm	2.2864 ppm	0.0016 ppm
Concentration RSD	35.1 %	41.8 %	33.8 %	6.9 %	1.2 %	1.9 %	116.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6585 ppm	0.4684 ppm	0.0007 ppm	55.3992 ppm	0.0009 ppm	0.0004 ppm	-0.0013 ppm
Concentration per Run 1	2.6742 ppm	0.4756 ppm	0.0009 ppm	56.3460 ppm	0.0011 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run 2	2.6561 ppm	0.4668 ppm	0.0007 ppm	55.0651 ppm	0.0008 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 3	2.6452 ppm	0.4628 ppm	0.0006 ppm	54.7864 ppm	0.0009 ppm	0.0008 ppm	-0.0011 ppm
Concentration RSD	0.6 %	1.4 %	15.8 %	1.5 %	13.8 %	101.6 %	50.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	2.9964 ppm	-0.0004 ppm	0.0808 ppm	0.0008 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run 1	-0.0012 ppm	2.9863 ppm	-0.0005 ppm	0.0822 ppm	0.0010 ppm	0.0028 ppm	0.0009 ppm
Concentration per Run 2	0.0022 ppm	3.0018 ppm	-0.0001 ppm	0.0803 ppm	0.0007 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 3	0.0004 ppm	3.0010 ppm	-0.0006 ppm	0.0799 ppm	0.0008 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	352.9 %	0.3 %	70.2 %	1.5 %	20.5 %	168.6 %	4.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0050 ppm	102.5944 %	96.7428 %	96.4462 %	96.3512 %	95.0827 %	95.8728 %
Concentration per Run 1	0.0049 ppm	101.2011 %	96.6019 %	96.4285 %	94.7959 %	95.4223 %	95.6473 %
Concentration per Run 2	0.0050 ppm	102.7650 %	96.6229 %	96.6314 %	96.8108 %	94.9216 %	95.8031 %
Concentration per Run 3	0.0051 ppm	103.8171 %	97.0036 %	96.2788 %	97.4470 %	94.9043 %	96.1681 %
Concentration RSD	1.4 %	1.3 %	0.2 %	0.2 %	1.4 %	0.3 %	0.3 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-03 WG2085346
Analysis started at: 7/1/2025 12:24:55 PM
Comments <Comment>
Rack: 1
Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0073 ppm	-0.0005 ppm	0.0278 ppm	0.0168 ppm	0.0000 ppm	14.1816 ppm
Concentration per Run 1	0.0000 ppm	0.0087 ppm	-0.0014 ppm	0.0277 ppm	0.0168 ppm	0.0000 ppm	14.1106 ppm
Concentration per Run 2	-0.0003 ppm	0.0109 ppm	0.0003 ppm	0.0278 ppm	0.0168 ppm	0.0001 ppm	14.1898 ppm
Concentration per Run 3	0.0001 ppm	0.0023 ppm	-0.0005 ppm	0.0278 ppm	0.0168 ppm	0.0000 ppm	14.2444 ppm
Concentration RSD	303.7 %	61.4 %	167.7 %	0.3 %	0.1 %	207.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0008 ppm	0.0029 ppm	1.6427 ppm	0.0029 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0014 ppm	0.0008 ppm	0.0035 ppm	1.6514 ppm	0.0029 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0007 ppm	0.0023 ppm	1.6217 ppm	0.0038 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0009 ppm	0.0028 ppm	1.6550 ppm	0.0021 ppm
Concentration RSD	13.3 %	172.0 %	13.6 %	12.6 %	20.8 %	1.1 %	29.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2726 ppm	0.0025 ppm	0.0002 ppm	23.7545 ppm	0.0007 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 1	6.2767 ppm	0.0024 ppm	0.0003 ppm	23.7167 ppm	0.0008 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 2	6.2945 ppm	0.0026 ppm	0.0003 ppm	23.7537 ppm	0.0008 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 3	6.2467 ppm	0.0026 ppm	0.0001 ppm	23.7932 ppm	0.0005 ppm	0.0001 ppm	-0.0011 ppm
Concentration RSD	0.4 %	4.9 %	34.2 %	0.2 %	22.1 %	107.8 %	345.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	8.3216 ppm	-0.0006 ppm	0.0852 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0024 ppm	8.3349 ppm	-0.0009 ppm	0.0850 ppm	0.0005 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 2	0.0016 ppm	8.3198 ppm	0.0000 ppm	0.0854 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0034 ppm	8.3102 ppm	-0.0009 ppm	0.0852 ppm	0.0003 ppm	0.0019 ppm	0.0002 ppm
Concentration RSD	38.1 %	0.1 %	85.4 %	0.2 %	48.8 %	425.7 %	53.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0021 ppm	103.7455 %	97.5119 %	96.8189 %	98.5314 %	96.4816 %	97.0159 %
Concentration per Run 1	0.0021 ppm	104.2615 %	97.5805 %	96.7745 %	98.8855 %	96.3035 %	96.8469 %
Concentration per Run 2	0.0022 ppm	104.1804 %	97.4269 %	96.9014 %	99.0153 %	96.5325 %	96.9274 %
Concentration per Run 3	0.0021 ppm	102.7945 %	97.5284 %	96.7808 %	97.6935 %	96.6088 %	97.2733 %
Concentration RSD	2.5 %	0.8 %	0.1 %	0.1 %	0.7 %	0.2 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-04 WG2085346
Analysis started at: 7/1/2025 12:31:15 PM
Comments <Comment>
Rack: 1
Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0119 ppm	0.0006 ppm	0.0094 ppm	0.0418 ppm	0.0000 ppm	9.1179 ppm
Concentration per Run 1	-0.0002 ppm	0.0143 ppm	-0.0005 ppm	0.0097 ppm	0.0407 ppm	0.0000 ppm	8.8968 ppm
Concentration per Run 2	-0.0002 ppm	0.0127 ppm	0.0001 ppm	0.0093 ppm	0.0423 ppm	0.0000 ppm	9.2278 ppm
Concentration per Run 3	-0.0001 ppm	0.0088 ppm	0.0021 ppm	0.0092 ppm	0.0425 ppm	0.0000 ppm	9.2292 ppm
Concentration RSD	34.4 %	23.6 %	229.0 %	3.0 %	2.3 %	85.6 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0007 ppm	0.0012 ppm	0.0031 ppm	1.1198 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0013 ppm	0.0029 ppm	1.1157 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0010 ppm	0.0011 ppm	0.0031 ppm	1.1084 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0034 ppm	1.1353 ppm	-0.0009 ppm
Concentration RSD	88.0 %	19.7 %	30.7 %	14.1 %	9.1 %	1.2 %	65.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0502 ppm	0.0029 ppm	0.0000 ppm	4.7562 ppm	0.0005 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run 1	4.0452 ppm	0.0027 ppm	0.0001 ppm	4.6251 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	4.0521 ppm	0.0029 ppm	0.0000 ppm	4.8227 ppm	0.0005 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 3	4.0534 ppm	0.0031 ppm	-0.0001 ppm	4.8209 ppm	0.0004 ppm	0.0003 ppm	-0.0015 ppm
Concentration RSD	0.1 %	7.3 %	348.7 %	2.4 %	25.6 %	228.0 %	211.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.9383 ppm	-0.0003 ppm	0.0404 ppm	0.0003 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 1	0.0015 ppm	3.9519 ppm	-0.0003 ppm	0.0393 ppm	0.0004 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 2	-0.0004 ppm	3.9382 ppm	-0.0003 ppm	0.0408 ppm	0.0005 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	3.9250 ppm	-0.0003 ppm	0.0409 ppm	0.0001 ppm	-0.0029 ppm	0.0000 ppm
Concentration RSD	280.4 %	0.3 %	13.7 %	2.2 %	50.4 %	84.6 %	96.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	106.0436 %	99.1026 %	98.7204 %	100.4036 %	98.8963 %	97.9356 %
Concentration per Run 1	0.0023 ppm	107.6569 %	99.2389 %	98.5052 %	102.4516 %	98.6025 %	97.9816 %
Concentration per Run 2	0.0024 ppm	105.6242 %	98.8799 %	99.0381 %	99.6706 %	98.8563 %	97.8529 %
Concentration per Run 3	0.0023 ppm	104.8496 %	99.1891 %	98.6180 %	99.0886 %	99.2301 %	97.9721 %
Concentration RSD	2.9 %	1.4 %	0.2 %	0.3 %	1.8 %	0.3 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-05 WG2085346
Analysis started at: 7/1/2025 12:37:35 PM
Comments <Comment>
Rack: 1
Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0109 ppm	0.0006 ppm	0.0091 ppm	0.0066 ppm	0.0000 ppm	18.9187 ppm
Concentration per Run 1	-0.0004 ppm	0.0108 ppm	0.0007 ppm	0.0094 ppm	0.0065 ppm	0.0000 ppm	19.0080 ppm
Concentration per Run 2	-0.0003 ppm	0.0145 ppm	-0.0002 ppm	0.0089 ppm	0.0067 ppm	0.0000 ppm	18.9137 ppm
Concentration per Run 3	0.0001 ppm	0.0073 ppm	0.0012 ppm	0.0090 ppm	0.0066 ppm	0.0000 ppm	18.8343 ppm
Concentration RSD	119.0 %	33.0 %	116.9 %	2.6 %	1.2 %	106.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0418 ppm	0.9546 ppm	0.0030 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0418 ppm	0.9322 ppm	0.0038 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0417 ppm	0.9747 ppm	0.0024 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0418 ppm	0.9570 ppm	0.0030 ppm
Concentration RSD	17.0 %	641.6 %	42.5 %	10.1 %	0.2 %	2.2 %	22.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.4487 ppm	0.0239 ppm	0.0004 ppm	6.3477 ppm	-0.0001 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run 1	2.4480 ppm	0.0241 ppm	0.0004 ppm	6.3383 ppm	-0.0002 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 2	2.4381 ppm	0.0238 ppm	0.0003 ppm	6.3599 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 3	2.4599 ppm	0.0239 ppm	0.0003 ppm	6.3447 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm
Concentration RSD	0.4 %	0.7 %	18.0 %	0.2 %	93.2 %	402.9 %	86.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	10.8155 ppm	-0.0008 ppm	0.1963 ppm	0.0002 ppm	-0.0015 ppm	0.0009 ppm
Concentration per Run 1	-0.0035 ppm	10.8293 ppm	-0.0007 ppm	0.1961 ppm	0.0003 ppm	-0.0023 ppm	0.0009 ppm
Concentration per Run 2	0.0025 ppm	10.8112 ppm	-0.0014 ppm	0.1968 ppm	0.0003 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	10.8060 ppm	-0.0003 ppm	0.1960 ppm	0.0001 ppm	-0.0025 ppm	0.0008 ppm
Concentration RSD	867.5 %	0.1 %	69.2 %	0.2 %	35.7 %	106.8 %	17.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	102.8363 %	98.3110 %	97.4111 %	97.7409 %	97.6287 %	97.5618 %
Concentration per Run 1	0.0015 ppm	102.4682 %	98.3292 %	97.3242 %	97.4164 %	97.3598 %	97.5271 %
Concentration per Run 2	0.0014 ppm	102.4020 %	98.3672 %	97.3773 %	97.5971 %	97.6344 %	97.6168 %
Concentration per Run 3	0.0015 ppm	103.6389 %	98.2366 %	97.5319 %	98.2091 %	97.8918 %	97.5416 %
Concentration RSD	3.3 %	0.7 %	0.1 %	0.1 %	0.4 %	0.3 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-02 WG2085346
Analysis started at: 7/1/2025 12:43:55 PM
Comments <Comment>
Rack: 1
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0020 ppm	-0.0004 ppm	0.0099 ppm	0.0145 ppm	0.0000 ppm	10.8948 ppm
Concentration per Run 1	-0.0004 ppm	0.0049 ppm	-0.0001 ppm	0.0099 ppm	0.0143 ppm	0.0000 ppm	10.7463 ppm
Concentration per Run 2	0.0002 ppm	0.0009 ppm	-0.0014 ppm	0.0100 ppm	0.0146 ppm	0.0000 ppm	10.9563 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0099 ppm	0.0146 ppm	0.0000 ppm	10.9818 ppm
Concentration RSD	182.4 %	121.0 %	265.2 %	0.6 %	1.2 %	250.7 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0030 ppm	0.0010 ppm	0.0044 ppm	0.9449 ppm	0.0030 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0028 ppm	0.0009 ppm	0.0042 ppm	0.9191 ppm	0.0033 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0026 ppm	0.0008 ppm	0.0037 ppm	0.9735 ppm	0.0025 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0034 ppm	0.0011 ppm	0.0052 ppm	0.9420 ppm	0.0031 ppm
Concentration RSD	37.3 %	70.5 %	14.2 %	16.4 %	18.0 %	2.9 %	14.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2426 ppm	0.0016 ppm	0.0001 ppm	7.8283 ppm	0.0005 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 1	5.2341 ppm	0.0016 ppm	0.0002 ppm	7.7161 ppm	0.0004 ppm	-0.0002 ppm	0.0009 ppm
Concentration per Run 2	5.2456 ppm	0.0015 ppm	0.0002 ppm	7.8685 ppm	0.0007 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	5.2482 ppm	0.0017 ppm	0.0000 ppm	7.9003 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Concentration RSD	0.1 %	8.7 %	55.9 %	1.3 %	52.2 %	369.0 %	93.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	9.4502 ppm	-0.0004 ppm	0.0522 ppm	0.0004 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	9.4596 ppm	-0.0004 ppm	0.0515 ppm	0.0003 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run 2	0.0012 ppm	9.4282 ppm	-0.0006 ppm	0.0525 ppm	0.0005 ppm	0.0020 ppm	0.0003 ppm
Concentration per Run 3	0.0036 ppm	9.4627 ppm	-0.0003 ppm	0.0526 ppm	0.0003 ppm	0.0007 ppm	0.0004 ppm
Concentration RSD	110.2 %	0.2 %	44.9 %	1.2 %	18.6 %	47.1 %	20.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0034 ppm	103.4008 %	98.2039 %	97.5057 %	99.2188 %	97.8935 %	97.5192 %
Concentration per Run 1	0.0035 ppm	104.8670 %	98.2335 %	97.4786 %	100.2263 %	97.7675 %	97.4865 %
Concentration per Run 2	0.0033 ppm	102.8245 %	98.1364 %	97.5293 %	98.7957 %	98.0938 %	97.5055 %
Concentration per Run 3	0.0033 ppm	102.5109 %	98.2419 %	97.5093 %	98.6344 %	97.8193 %	97.5657 %
Concentration RSD	3.0 %	1.2 %	0.1 %	0.0 %	0.9 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-7 WG2085346
Analysis started at: 7/1/2025 12:50:16 PM
Comments <Comment>
Rack: 1
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0604 ppm	2.3409 ppm	0.1202 ppm	1.0081 ppm	2.2925 ppm	0.0581 ppm	21.2720 ppm
Concentration per Run 1	0.0602 ppm	2.3338 ppm	0.1209 ppm	1.0061 ppm	2.2917 ppm	0.0579 ppm	21.2605 ppm
Concentration per Run 2	0.0602 ppm	2.3443 ppm	0.1210 ppm	1.0094 ppm	2.2722 ppm	0.0582 ppm	21.2575 ppm
Concentration per Run 3	0.0608 ppm	2.3446 ppm	0.1186 ppm	1.0086 ppm	2.3136 ppm	0.0582 ppm	21.2979 ppm
Concentration RSD	0.5 %	0.3 %	1.1 %	0.2 %	0.9 %	0.3 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0516 ppm	0.5358 ppm	0.2226 ppm	0.2808 ppm	1.0747 ppm	12.0610 ppm	0.0034 ppm
Concentration per Run 1	0.0514 ppm	0.5341 ppm	0.2224 ppm	0.2807 ppm	1.0706 ppm	12.0805 ppm	0.0036 ppm
Concentration per Run 2	0.0516 ppm	0.5365 ppm	0.2225 ppm	0.2809 ppm	1.0747 ppm	12.0814 ppm	0.0032 ppm
Concentration per Run 3	0.0516 ppm	0.5369 ppm	0.2228 ppm	0.2809 ppm	1.0789 ppm	12.0212 ppm	0.0035 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.0 %	0.4 %	0.3 %	5.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.5963 ppm	0.5737 ppm	0.9550 ppm	19.4738 ppm	0.5473 ppm	0.5244 ppm	0.4401 ppm
Concentration per Run 1	15.5843 ppm	0.5731 ppm	0.9507 ppm	19.4294 ppm	0.5458 ppm	0.5235 ppm	0.4301 ppm
Concentration per Run 2	15.6006 ppm	0.5750 ppm	0.9564 ppm	19.5464 ppm	0.5477 ppm	0.5250 ppm	0.4408 ppm
Concentration per Run 3	15.6040 ppm	0.5729 ppm	0.9580 ppm	19.4456 ppm	0.5482 ppm	0.5246 ppm	0.4494 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	0.3 %	0.2 %	0.1 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1209 ppm	10.9883 ppm	0.9657 ppm	1.1075 ppm	1.0203 ppm	0.1209 ppm	0.5640 ppm
Concentration per Run 1	0.1205 ppm	10.9696 ppm	0.9616 ppm	1.1046 ppm	1.0211 ppm	0.1216 ppm	0.5641 ppm
Concentration per Run 2	0.1201 ppm	11.0009 ppm	0.9666 ppm	1.1114 ppm	1.0190 ppm	0.1218 ppm	0.5643 ppm
Concentration per Run 3	0.1221 ppm	10.9943 ppm	0.9688 ppm	1.1063 ppm	1.0207 ppm	0.1193 ppm	0.5636 ppm
Concentration RSD	0.9 %	0.1 %	0.4 %	0.3 %	0.1 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5506 ppm	103.3987 %	96.8086 %	96.1173 %	97.7071 %	95.6993 %	96.1134 %
Concentration per Run 1	0.5492 ppm	103.5512 %	96.8930 %	96.1308 %	97.8486 %	95.8683 %	96.0456 %
Concentration per Run 2	0.5510 ppm	103.7343 %	96.9006 %	96.1125 %	97.6627 %	95.5942 %	96.2209 %
Concentration per Run 3	0.5515 ppm	102.9107 %	96.6321 %	96.1087 %	97.6099 %	95.6353 %	96.0737 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.0 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-8 WG2085346
Analysis started at: 7/1/2025 12:56:29 PM
Comments <Comment>
Rack: 1
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0033 ppm	-0.0001 ppm	0.0114 ppm	0.0151 ppm	0.0000 ppm	11.2704 ppm
Concentration per Run 1	0.0000 ppm	0.0033 ppm	-0.0001 ppm	0.0115 ppm	0.0151 ppm	0.0000 ppm	11.3015 ppm
Concentration per Run 2	0.0000 ppm	0.0069 ppm	-0.0007 ppm	0.0113 ppm	0.0150 ppm	0.0000 ppm	11.2085 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0113 ppm	0.0151 ppm	0.0001 ppm	11.3011 ppm
Concentration RSD	95.8 %	109.5 %	695.1 %	1.4 %	0.6 %	52.2 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0027 ppm	0.0013 ppm	0.0034 ppm	1.0072 ppm	0.0025 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0025 ppm	0.0012 ppm	0.0038 ppm	1.0069 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0028 ppm	0.0012 ppm	0.0031 ppm	1.0174 ppm	0.0037 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0028 ppm	0.0014 ppm	0.0032 ppm	0.9974 ppm	0.0020 ppm
Concentration RSD	3,818.1 %	3,030.2 %	6.0 %	9.2 %	10.9 %	1.0 %	42.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.4219 ppm	0.0015 ppm	0.0055 ppm	8.2655 ppm	0.0006 ppm	-0.0002 ppm	0.0133 ppm
Concentration per Run 1	5.4188 ppm	0.0017 ppm	0.0060 ppm	8.2870 ppm	0.0005 ppm	-0.0004 ppm	0.0140 ppm
Concentration per Run 2	5.4200 ppm	0.0012 ppm	0.0055 ppm	8.2094 ppm	0.0008 ppm	0.0002 ppm	0.0138 ppm
Concentration per Run 3	5.4267 ppm	0.0018 ppm	0.0050 ppm	8.3002 ppm	0.0006 ppm	-0.0002 ppm	0.0120 ppm
Concentration RSD	0.1 %	18.8 %	9.6 %	0.6 %	25.5 %	191.7 %	8.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	9.6865 ppm	0.0041 ppm	0.0551 ppm	0.0007 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 1	-0.0003 ppm	9.7076 ppm	0.0047 ppm	0.0551 ppm	0.0006 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 2	0.0030 ppm	9.6757 ppm	0.0037 ppm	0.0547 ppm	0.0009 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 3	0.0001 ppm	9.6761 ppm	0.0038 ppm	0.0554 ppm	0.0005 ppm	-0.0019 ppm	0.0003 ppm
Concentration RSD	192.7 %	0.2 %	13.7 %	0.7 %	33.2 %	255.6 %	8.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0037 ppm	104.1367 %	98.1532 %	97.1372 %	97.5697 %	97.4212 %	96.8198 %
Concentration per Run 1	0.0036 ppm	103.5437 %	98.0078 %	97.0594 %	97.1724 %	97.1394 %	96.7799 %
Concentration per Run 2	0.0037 ppm	105.1184 %	98.1775 %	97.1821 %	98.2426 %	97.6189 %	96.9383 %
Concentration per Run 3	0.0038 ppm	103.7481 %	98.2744 %	97.1703 %	97.2941 %	97.5051 %	96.7413 %
Concentration RSD	2.4 %	0.8 %	0.1 %	0.1 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-9 WG2085346
Analysis started at: 7/1/2025 1:02:50 PM
Comments <Comment>
Rack: 1
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0586 ppm	2.2120 ppm	0.1183 ppm	1.0004 ppm	2.2006 ppm	0.0550 ppm	20.1667 ppm
Concentration per Run 1	0.0584 ppm	2.2050 ppm	0.1189 ppm	0.9984 ppm	2.1957 ppm	0.0546 ppm	20.1013 ppm
Concentration per Run 2	0.0590 ppm	2.2033 ppm	0.1183 ppm	1.0011 ppm	2.1961 ppm	0.0549 ppm	20.1209 ppm
Concentration per Run 3	0.0583 ppm	2.2276 ppm	0.1178 ppm	1.0016 ppm	2.2101 ppm	0.0553 ppm	20.2778 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.2 %	0.4 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0497 ppm	0.5158 ppm	0.2147 ppm	0.2703 ppm	1.0218 ppm	11.7141 ppm	0.0029 ppm
Concentration per Run 1	0.0497 ppm	0.5158 ppm	0.2148 ppm	0.2707 ppm	1.0188 ppm	11.6613 ppm	0.0031 ppm
Concentration per Run 2	0.0498 ppm	0.5166 ppm	0.2147 ppm	0.2699 ppm	1.0126 ppm	11.6884 ppm	0.0036 ppm
Concentration per Run 3	0.0497 ppm	0.5151 ppm	0.2146 ppm	0.2704 ppm	1.0339 ppm	11.7927 ppm	0.0021 ppm
Concentration RSD	0.1 %	0.1 %	0.1 %	0.1 %	1.1 %	0.6 %	26.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.1925 ppm	0.5426 ppm	0.9401 ppm	18.4785 ppm	0.5268 ppm	0.5126 ppm	0.3929 ppm
Concentration per Run 1	15.1533 ppm	0.5387 ppm	0.9376 ppm	18.3975 ppm	0.5270 ppm	0.5132 ppm	0.3783 ppm
Concentration per Run 2	15.2688 ppm	0.5417 ppm	0.9405 ppm	18.4180 ppm	0.5263 ppm	0.5121 ppm	0.3948 ppm
Concentration per Run 3	15.1555 ppm	0.5474 ppm	0.9423 ppm	18.6200 ppm	0.5271 ppm	0.5125 ppm	0.4056 ppm
Concentration RSD	0.4 %	0.8 %	0.3 %	0.7 %	0.1 %	0.1 %	3.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1166 ppm	10.1661 ppm	0.9582 ppm	1.0760 ppm	1.0103 ppm	0.1174 ppm	0.5431 ppm
Concentration per Run 1	0.1198 ppm	10.1556 ppm	0.9570 ppm	1.0714 ppm	1.0091 ppm	0.1190 ppm	0.5431 ppm
Concentration per Run 2	0.1151 ppm	10.1772 ppm	0.9582 ppm	1.0730 ppm	1.0137 ppm	0.1161 ppm	0.5433 ppm
Concentration per Run 3	0.1148 ppm	10.1653 ppm	0.9594 ppm	1.0836 ppm	1.0081 ppm	0.1172 ppm	0.5428 ppm
Concentration RSD	2.4 %	0.1 %	0.1 %	0.6 %	0.3 %	1.2 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5273 ppm	104.6018 %	96.6336 %	95.8538 %	99.3384 %	95.6444 %	95.5916 %
Concentration per Run 1	0.5270 ppm	105.0922 %	96.5778 %	96.0559 %	99.8348 %	95.6498 %	95.7076 %
Concentration per Run 2	0.5284 ppm	105.0953 %	96.5901 %	95.7313 %	99.4782 %	95.6098 %	95.2318 %
Concentration per Run 3	0.5264 ppm	103.6181 %	96.7330 %	95.7740 %	98.7023 %	95.6736 %	95.8353 %
Concentration RSD	0.2 %	0.8 %	0.1 %	0.2 %	0.6 %	0.0 %	0.3 %

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-10d5 WG2085346
Analysis started at: 7/1/2025 1:08:58 PM
Comments <Comment>
Rack: 1
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0043 ppm	0.0004 ppm	0.0038 ppm	0.0029 ppm	0.0000 ppm	2.1930 ppm
Concentration per Run 1	0.0002 ppm	0.0046 ppm	0.0010 ppm	0.0039 ppm	0.0028 ppm	0.0000 ppm	2.1701 ppm
Concentration per Run 2	0.0000 ppm	0.0068 ppm	-0.0003 ppm	0.0040 ppm	0.0030 ppm	0.0000 ppm	2.1972 ppm
Concentration per Run 3	0.0001 ppm	0.0014 ppm	0.0006 ppm	0.0036 ppm	0.0031 ppm	0.0001 ppm	2.2118 ppm
Concentration RSD	137.7 %	63.8 %	157.9 %	6.1 %	5.3 %	155.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0031 ppm	0.2186 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0031 ppm	0.2111 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0006 ppm	0.0035 ppm	0.2074 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0026 ppm	0.2372 ppm	0.0001 ppm
Concentration RSD	103.9 %	16.5 %	21.6 %	4.5 %	14.2 %	7.4 %	71.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.0542 ppm	0.0004 ppm	0.0065 ppm	1.5936 ppm	0.0001 ppm	0.0001 ppm	0.0269 ppm
Concentration per Run 1	1.0498 ppm	0.0003 ppm	0.0074 ppm	1.5778 ppm	0.0002 ppm	0.0004 ppm	0.0290 ppm
Concentration per Run 2	1.0605 ppm	0.0004 ppm	0.0064 ppm	1.6007 ppm	0.0001 ppm	0.0003 ppm	0.0269 ppm
Concentration per Run 3	1.0523 ppm	0.0004 ppm	0.0057 ppm	1.6024 ppm	0.0002 ppm	-0.0002 ppm	0.0249 ppm
Concentration RSD	0.5 %	19.6 %	13.4 %	0.9 %	48.0 %	197.6 %	7.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	1.8573 ppm	0.0061 ppm	0.0107 ppm	0.0006 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0021 ppm	1.8578 ppm	0.0066 ppm	0.0106 ppm	0.0007 ppm	0.0021 ppm	0.0002 ppm
Concentration per Run 2	0.0035 ppm	1.8561 ppm	0.0061 ppm	0.0107 ppm	0.0007 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run 3	-0.0003 ppm	1.8580 ppm	0.0055 ppm	0.0108 ppm	0.0004 ppm	0.0011 ppm	0.0000 ppm
Concentration RSD	107.5 %	0.1 %	9.7 %	0.8 %	27.2 %	32.4 %	71.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	103.6707 %	99.1181 %	98.3671 %	98.3028 %	99.0839 %	98.0887 %
Concentration per Run 1	0.0008 ppm	105.0221 %	99.0807 %	98.2979 %	99.4187 %	99.0592 %	98.0498 %
Concentration per Run 2	0.0009 ppm	103.4934 %	99.0487 %	98.3553 %	98.0274 %	99.2157 %	97.9229 %
Concentration per Run 3	0.0010 ppm	102.4965 %	99.2250 %	98.4481 %	97.4622 %	98.9768 %	98.2933 %
Concentration RSD	9.6 %	1.2 %	0.1 %	0.1 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 1:15:21 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5325 ppm	0.4951 ppm	0.4824 ppm	0.4941 ppm	0.4993 ppm	0.5104 ppm	0.4986 ppm
Concentration per Run 1	0.5336 ppm	0.4864 ppm	0.4808 ppm	0.4943 ppm	0.4929 ppm	0.5035 ppm	0.4906 ppm
Concentration per Run 2	0.5328 ppm	0.4984 ppm	0.4835 ppm	0.4946 ppm	0.4997 ppm	0.5121 ppm	0.4969 ppm
Concentration per Run 3	0.5310 ppm	0.5004 ppm	0.4829 ppm	0.4935 ppm	0.5053 ppm	0.5157 ppm	0.5083 ppm
Recovery Percentage 1	106.491 %	99.017 %	96.482 %	98.829 %	99.858 %	102.084 %	99.719 %
Concentration RSD	0.2 %	1.5 %	0.3 %	0.1 %	1.2 %	1.2 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4884 ppm	0.4992 ppm	0.5021 ppm	0.5070 ppm	0.4718 ppm	5.3634 ppm	0.5190 ppm
Concentration per Run 1	0.4871 ppm	0.4981 ppm	0.5020 ppm	0.5073 ppm	0.4621 ppm	5.3008 ppm	0.5121 ppm
Concentration per Run 2	0.4890 ppm	0.5003 ppm	0.5032 ppm	0.5075 ppm	0.4748 ppm	5.3818 ppm	0.5215 ppm
Concentration per Run 3	0.4891 ppm	0.4992 ppm	0.5012 ppm	0.5064 ppm	0.4784 ppm	5.4075 ppm	0.5234 ppm
Recovery Percentage 1	97.675 %	99.845 %	100.425 %	101.408 %	94.353 %	107.267 %	103.806 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	1.8 %	1.0 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5226 ppm	0.5138 ppm	0.4952 ppm	10.4269 ppm	0.5071 ppm	0.5071 ppm	0.5254 ppm
Concentration per Run 1	0.5206 ppm	0.5058 ppm	0.4940 ppm	10.3069 ppm	0.5067 ppm	0.5063 ppm	0.5288 ppm
Concentration per Run 2	0.5236 ppm	0.5151 ppm	0.4964 ppm	10.4460 ppm	0.5077 ppm	0.5076 ppm	0.5264 ppm
Concentration per Run 3	0.5238 ppm	0.5205 ppm	0.4952 ppm	10.5278 ppm	0.5069 ppm	0.5073 ppm	0.5209 ppm
Recovery Percentage 1	104.528 %	102.762 %	99.041 %	104.269 %	101.422 %	101.410 %	105.073 %
Concentration RSD	0.3 %	1.4 %	0.2 %	1.1 %	0.1 %	0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4921 ppm	5.5069 ppm	0.5086 ppm	0.5182 ppm	0.5099 ppm	0.5241 ppm	0.5076 ppm
Concentration per Run 1	0.4921 ppm	5.4992 ppm	0.5085 ppm	0.5119 ppm	0.5096 ppm	0.5238 ppm	0.5066 ppm
Concentration per Run 2	0.4906 ppm	5.5179 ppm	0.5098 ppm	0.5193 ppm	0.5107 ppm	0.5249 ppm	0.5075 ppm
Concentration per Run 3	0.4937 ppm	5.5034 ppm	0.5074 ppm	0.5235 ppm	0.5095 ppm	0.5236 ppm	0.5087 ppm
Recovery Percentage 1	98.426 %	104.892 %	101.718 %	103.650 %	101.984 %	104.819 %	101.522 %
Concentration RSD	0.3 %	0.2 %	0.2 %	1.1 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4968 ppm	104.5985 %	97.8143 %	96.8970 %	98.7236 %	96.4120 %	96.9112 %
Concentration per Run 1	0.4957 ppm	106.4854 %	98.0837 %	96.9858 %	100.0796 %	96.5339 %	97.0753 %
Concentration per Run 2	0.4972 ppm	104.2743 %	97.5197 %	96.8861 %	98.7013 %	96.2152 %	96.6054 %
Concentration per Run 3	0.4975 ppm	103.0358 %	97.8394 %	96.8189 %	97.3899 %	96.4868 %	97.0530 %
Recovery Percentage 1	99.360 %						
Concentration RSD	0.2 %	1.7 %	0.3 %	0.1 %	1.4 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 1:21:29 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0059 ppm	0.0004 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0114 ppm
Concentration per Run 1	0.0005 ppm	0.0112 ppm	0.0008 ppm	0.0016 ppm	0.0002 ppm	0.0001 ppm	0.0083 ppm
Concentration per Run 2	0.0005 ppm	0.0036 ppm	0.0005 ppm	0.0023 ppm	0.0000 ppm	0.0001 ppm	0.0155 ppm
Concentration per Run 3	0.0001 ppm	0.0029 ppm	-0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0105 ppm
Recovery Percentage 1	5.691 %	5.858 %	8.401 %	6.437 %	1.135 %	1.060 %	11.422 %
Concentration RSD	55.2 %	78.5 %	107.2 %	18.3 %	65.4 %	46.1 %	32.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0002 ppm	0.0155 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0015 ppm	0.0275 ppm	-0.0013 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0008 ppm	0.0060 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0002 ppm	0.0129 ppm	-0.0008 ppm
Recovery Percentage 1	-0.146 %	-0.847 %	0.118 %	6.320 %	0.379 %	0.619 %	-5.459 %
Concentration RSD	105.9 %	40.2 %	1,772.7 %	3.7 %	628.8 %	70.9 %	162.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0023 ppm	0.0257 ppm	0.0000 ppm	-0.0004 ppm	0.0026 ppm
Concentration per Run 1	0.0010 ppm	0.0001 ppm	0.0025 ppm	0.0269 ppm	0.0001 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 2	-0.0024 ppm	0.0000 ppm	0.0023 ppm	0.0205 ppm	-0.0001 ppm	-0.0011 ppm	0.0033 ppm
Concentration per Run 3	0.0009 ppm	-0.0003 ppm	0.0020 ppm	0.0296 ppm	0.0000 ppm	-0.0002 ppm	0.0015 ppm
Recovery Percentage 1	-0.161 %	-0.479 %	4.581 %	1.284 %	0.043 %	-4.170 %	5.201 %
Concentration RSD	1,184.4 %	399.7 %	11.7 %	18.2 %	617.0 %	139.5 %	36.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	-0.0003 ppm	0.0009 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0018 ppm	-0.0005 ppm	0.0010 ppm	0.0000 ppm	0.0005 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run 2	0.0032 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0007 ppm	-0.0004 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm
Recovery Percentage 1	19.094 %	-0.063 %	1.768 %	0.733 %	3.722 %	-0.527 %	1.085 %
Concentration RSD	63.5 %	89.5 %	49.4 %	53.6 %	46.9 %	394.5 %	146.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.8516 %	98.6430 %	97.3573 %	94.5235 %	97.5936 %	96.4256 %
Concentration per Run 1	0.0002 ppm	101.1690 %	98.7370 %	97.3216 %	93.7402 %	97.6606 %	96.4535 %
Concentration per Run 2	0.0003 ppm	101.5710 %	98.5350 %	97.4158 %	94.1243 %	97.5899 %	96.3091 %
Concentration per Run 3	0.0003 ppm	102.8147 %	98.6569 %	97.3344 %	95.7060 %	97.5304 %	96.5142 %
Recovery Percentage 1	5.325 %						
Concentration RSD	21.6 %	0.8 %	0.1 %	0.1 %	1.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-1 WG2085603
Analysis started at: 7/1/2025 1:28:43 PM
Comments <Comment>
Rack: 1
Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0056 ppm	-0.0004 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 1	-0.0001 ppm	0.0091 ppm	-0.0016 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 2	0.0002 ppm	0.0067 ppm	0.0011 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0112 ppm
Concentration per Run 3	-0.0002 ppm	0.0008 ppm	-0.0007 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0056 ppm
Recovery Percentage 1	-0.568 %	5.564 %	-7.827 %	4.796 %	0.605 %	0.450 %	6.888 %
Concentration RSD	549.2 %	77.0 %	354.4 %	9.8 %	56.3 %	108.2 %	55.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0004 ppm	-0.0007 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0014 ppm	0.0060 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm	-0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	-0.810 %	-0.496 %	2.162 %	3.988 %	1.281 %	0.056 %	4.113 %
Concentration RSD	61.6 %	49.1 %	121.8 %	34.2 %	187.3 %	294.6 %	109.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0021 ppm	0.0002 ppm	0.0007 ppm	0.0137 ppm	0.0003 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run 1	0.0017 ppm	0.0003 ppm	0.0007 ppm	0.0120 ppm	0.0005 ppm	-0.0005 ppm	-0.0003 ppm
Concentration per Run 2	0.0018 ppm	0.0002 ppm	0.0005 ppm	0.0138 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0029 ppm	0.0001 ppm	0.0009 ppm	0.0152 ppm	0.0004 ppm	-0.0006 ppm	-0.0007 ppm
Recovery Percentage 1	2.115 %	2.073 %	1.381 %	0.683 %	1.398 %	-3.739 %	-0.324 %
Concentration RSD	32.9 %	53.9 %	25.6 %	11.9 %	32.0 %	73.9 %	397.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.0114 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0010 ppm	0.0106 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 2	0.0019 ppm	0.0114 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run 3	0.0027 ppm	0.0122 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0000 ppm
Recovery Percentage 1	18.642 %	2.284 %	-0.288 %	0.878 %	1.476 %	3.181 %	1.411 %
Concentration RSD	44.5 %	7.2 %	41.0 %	37.8 %	97.4 %	240.1 %	73.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	103.8551 %	98.8303 %	97.4207 %	97.6773 %	99.1611 %	97.2298 %
Concentration per Run 1	0.0005 ppm	104.4706 %	98.9469 %	97.2501 %	98.4666 %	99.2226 %	97.3581 %
Concentration per Run 2	0.0005 ppm	104.0705 %	98.8790 %	97.5791 %	97.8066 %	99.1010 %	97.2772 %
Concentration per Run 3	0.0005 ppm	103.0241 %	98.6650 %	97.4329 %	96.7587 %	99.1596 %	97.0540 %
Recovery Percentage 1	9.836 %						
Concentration RSD	3.3 %	0.7 %	0.1 %	0.2 %	0.9 %	0.1 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-2 WG2085603
Analysis started at: 7/1/2025 1:35:08 PM
Comments <Comment>
Rack: 1
Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0595 ppm	2.3230 ppm	0.1192 ppm	0.9856 ppm	2.2971 ppm	0.0568 ppm	10.2760 ppm
Concentration per Run 1	0.0593 ppm	2.3373 ppm	0.1185 ppm	0.9860 ppm	2.3151 ppm	0.0573 ppm	10.3503 ppm
Concentration per Run 2	0.0599 ppm	2.3263 ppm	0.1191 ppm	0.9855 ppm	2.3010 ppm	0.0566 ppm	10.2506 ppm
Concentration per Run 3	0.0592 ppm	2.3053 ppm	0.1201 ppm	0.9852 ppm	2.2751 ppm	0.0565 ppm	10.2270 ppm
Concentration RSD	0.6 %	0.7 %	0.7 %	0.0 %	0.9 %	0.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0510 ppm	0.5313 ppm	0.2183 ppm	0.2762 ppm	1.0774 ppm	11.2518 ppm	0.0002 ppm
Concentration per Run 1	0.0511 ppm	0.5309 ppm	0.2185 ppm	0.2757 ppm	1.0815 ppm	11.3428 ppm	0.0007 ppm
Concentration per Run 2	0.0510 ppm	0.5317 ppm	0.2178 ppm	0.2768 ppm	1.0764 ppm	11.2593 ppm	0.0004 ppm
Concentration per Run 3	0.0509 ppm	0.5313 ppm	0.2186 ppm	0.2761 ppm	1.0743 ppm	11.1533 ppm	-0.0004 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.2 %	0.3 %	0.8 %	229.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2651 ppm	0.5701 ppm	0.9622 ppm	11.3870 ppm	0.5397 ppm	0.5290 ppm	0.4308 ppm
Concentration per Run 1	10.2788 ppm	0.5740 ppm	0.9602 ppm	11.4813 ppm	0.5398 ppm	0.5296 ppm	0.4213 ppm
Concentration per Run 2	10.2318 ppm	0.5700 ppm	0.9633 ppm	11.3898 ppm	0.5407 ppm	0.5294 ppm	0.4307 ppm
Concentration per Run 3	10.2848 ppm	0.5662 ppm	0.9629 ppm	11.2899 ppm	0.5385 ppm	0.5282 ppm	0.4405 ppm
Concentration RSD	0.3 %	0.7 %	0.2 %	0.8 %	0.2 %	0.1 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1198 ppm	1.1356 ppm	0.9652 ppm	1.0855 ppm	1.0275 ppm	0.1201 ppm	0.5550 ppm
Concentration per Run 1	0.1178 ppm	1.1358 ppm	0.9650 ppm	1.0941 ppm	1.0282 ppm	0.1203 ppm	0.5554 ppm
Concentration per Run 2	0.1217 ppm	1.1367 ppm	0.9651 ppm	1.0852 ppm	1.0256 ppm	0.1214 ppm	0.5540 ppm
Concentration per Run 3	0.1199 ppm	1.1344 ppm	0.9654 ppm	1.0772 ppm	1.0286 ppm	0.1186 ppm	0.5557 ppm
Concentration RSD	1.6 %	0.1 %	0.0 %	0.8 %	0.2 %	1.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5357 ppm	102.1414 %	96.5814 %	95.4289 %	96.8620 %	96.1402 %	96.3211 %
Concentration per Run 1	0.5355 ppm	101.9824 %	96.3804 %	95.6604 %	96.3111 %	96.1766 %	96.1096 %
Concentration per Run 2	0.5363 ppm	102.2493 %	96.7331 %	95.3706 %	97.0115 %	96.1166 %	96.4477 %
Concentration per Run 3	0.5353 ppm	102.1925 %	96.6308 %	95.2556 %	97.2635 %	96.1273 %	96.4059 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.5 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2540281-02 WG2085603
Analysis started at: 7/1/2025 1:41:20 PM
Comments <Comment>
Rack: 1
Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0923 ppm	0.0095 ppm	0.0786 ppm	0.1666 ppm	0.0000 ppm	49.5323 ppm
Concentration per Run 1	0.0000 ppm	0.0940 ppm	0.0104 ppm	0.0791 ppm	0.1692 ppm	0.0000 ppm	50.2180 ppm
Concentration per Run 2	-0.0003 ppm	0.0891 ppm	0.0071 ppm	0.0775 ppm	0.1658 ppm	0.0000 ppm	49.4514 ppm
Concentration per Run 3	0.0000 ppm	0.0937 ppm	0.0109 ppm	0.0791 ppm	0.1647 ppm	0.0000 ppm	48.9275 ppm
Concentration RSD	149.5 %	3.0 %	21.7 %	1.2 %	1.4 %	533.5 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0008 ppm	0.0051 ppm	4.5041 ppm	0.0070 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0008 ppm	0.0058 ppm	4.5694 ppm	0.0071 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0008 ppm	0.0044 ppm	4.4995 ppm	0.0067 ppm
Concentration per Run 3	-0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0007 ppm	0.0053 ppm	4.4435 ppm	0.0071 ppm
Concentration RSD	5.0 %	11.7 %	56.1 %	10.1 %	14.0 %	1.4 %	3.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1090 ppm	0.0124 ppm	0.0146 ppm	71.5853 ppm	0.0017 ppm	-0.0004 ppm	0.0168 ppm
Concentration per Run 1	10.0647 ppm	0.0126 ppm	0.0154 ppm	72.8384 ppm	0.0017 ppm	-0.0004 ppm	0.0179 ppm
Concentration per Run 2	10.1299 ppm	0.0124 ppm	0.0145 ppm	71.2617 ppm	0.0018 ppm	-0.0002 ppm	0.0174 ppm
Concentration per Run 3	10.1325 ppm	0.0123 ppm	0.0138 ppm	70.6558 ppm	0.0016 ppm	-0.0005 ppm	0.0151 ppm
Concentration RSD	0.4 %	1.0 %	5.4 %	1.6 %	6.7 %	35.9 %	8.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	8.8110 ppm	0.0038 ppm	0.3735 ppm	0.0006 ppm	0.0006 ppm	0.0038 ppm
Concentration per Run 1	0.0018 ppm	8.8272 ppm	0.0038 ppm	0.3802 ppm	0.0006 ppm	0.0023 ppm	0.0036 ppm
Concentration per Run 2	0.0047 ppm	8.7923 ppm	0.0038 ppm	0.3717 ppm	0.0006 ppm	0.0005 ppm	0.0042 ppm
Concentration per Run 3	0.0014 ppm	8.8134 ppm	0.0038 ppm	0.3687 ppm	0.0007 ppm	-0.0012 ppm	0.0038 ppm
Concentration RSD	69.7 %	0.2 %	0.8 %	1.6 %	8.4 %	317.7 %	7.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0019 ppm	101.4684 %	94.0446 %	93.1040 %	95.4035 %	91.2719 %	93.6514 %
Concentration per Run 1	0.0018 ppm	100.9627 %	94.3786 %	93.1261 %	94.4541 %	91.1792 %	94.0659 %
Concentration per Run 2	0.0020 ppm	101.3066 %	93.9043 %	93.1417 %	95.4806 %	91.4503 %	93.5555 %
Concentration per Run 3	0.0020 ppm	102.1361 %	93.8508 %	93.0442 %	96.2757 %	91.1860 %	93.3326 %
Concentration RSD	6.9 %	0.6 %	0.3 %	0.1 %	1.0 %	0.2 %	0.4 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-06 WG2085346
Analysis started at: 7/1/2025 1:47:40 PM
Comments <Comment>
Rack: 1
Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	0.0078 ppm	-0.0003 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0179 ppm
Concentration per Run 1	-0.0001 ppm	0.0076 ppm	0.0005 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0223 ppm
Concentration per Run 2	-0.0005 ppm	0.0062 ppm	-0.0019 ppm	0.0016 ppm	0.0006 ppm	0.0000 ppm	0.0157 ppm
Concentration per Run 3	-0.0005 ppm	0.0096 ppm	0.0005 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0156 ppm
Concentration RSD	64.9 %	22.0 %	421.0 %	1.8 %	8.0 %	55.3 %	21.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0024 ppm	0.0376 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0006 ppm	0.0038 ppm	0.0464 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0022 ppm	0.0157 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	0.0507 ppm	-0.0003 ppm
Concentration RSD	156.5 %	44.2 %	969.6 %	21.8 %	58.2 %	50.7 %	64.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0020 ppm	0.0001 ppm	0.0016 ppm	0.0733 ppm	0.0001 ppm	0.0001 ppm	0.0059 ppm
Concentration per Run 1	0.0018 ppm	0.0000 ppm	0.0018 ppm	0.0768 ppm	0.0000 ppm	-0.0005 ppm	0.0053 ppm
Concentration per Run 2	0.0030 ppm	0.0001 ppm	0.0017 ppm	0.0725 ppm	0.0000 ppm	0.0007 ppm	0.0055 ppm
Concentration per Run 3	0.0011 ppm	0.0001 ppm	0.0014 ppm	0.0706 ppm	0.0001 ppm	0.0000 ppm	0.0068 ppm
Concentration RSD	49.8 %	50.9 %	11.0 %	4.3 %	118.0 %	989.3 %	13.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.0185 ppm	0.0009 ppm	0.0016 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	0.0029 ppm	0.0185 ppm	0.0012 ppm	0.0016 ppm	0.0000 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 2	0.0011 ppm	0.0184 ppm	0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0184 ppm	0.0010 ppm	0.0014 ppm	0.0002 ppm	0.0029 ppm	0.0000 ppm
Concentration RSD	49.5 %	0.3 %	42.0 %	8.1 %	80.2 %	253.1 %	111.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.2096 %	98.8407 %	97.2781 %	96.0731 %	98.9752 %	97.3054 %
Concentration per Run 1	0.0003 ppm	102.1459 %	98.9738 %	97.2728 %	95.0319 %	99.1588 %	97.2950 %
Concentration per Run 2	0.0003 ppm	103.8878 %	98.8633 %	97.3869 %	96.7813 %	98.8723 %	97.4557 %
Concentration per Run 3	0.0003 ppm	103.5951 %	98.6852 %	97.1747 %	96.4060 %	98.8943 %	97.1654 %
Concentration RSD	3.6 %	0.9 %	0.1 %	0.1 %	1.0 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2540281-01 WG2085603
Analysis started at: 7/1/2025 1:54:06 PM
Comments <Comment>
Rack: 1
Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0765 ppm	0.0091 ppm	0.0639 ppm	0.1501 ppm	0.0000 ppm	48.4360 ppm
Concentration per Run 1	-0.0002 ppm	0.0760 ppm	0.0098 ppm	0.0640 ppm	0.1496 ppm	0.0000 ppm	48.3273 ppm
Concentration per Run 2	-0.0001 ppm	0.0753 ppm	0.0099 ppm	0.0634 ppm	0.1502 ppm	0.0000 ppm	48.6516 ppm
Concentration per Run 3	0.0001 ppm	0.0783 ppm	0.0077 ppm	0.0643 ppm	0.1506 ppm	0.0000 ppm	48.3291 ppm
Concentration RSD	548.5 %	2.0 %	13.9 %	0.7 %	0.3 %	192.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0009 ppm	0.0033 ppm	4.4290 ppm	0.0060 ppm
Concentration per Run 1	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0007 ppm	0.0028 ppm	4.4116 ppm	0.0063 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0010 ppm	0.0041 ppm	4.4283 ppm	0.0054 ppm
Concentration per Run 3	-0.0003 ppm	0.0005 ppm	0.0003 ppm	0.0010 ppm	0.0030 ppm	4.4471 ppm	0.0063 ppm
Concentration RSD	10.8 %	16.3 %	50.6 %	21.7 %	22.3 %	0.4 %	8.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0881 ppm	0.0159 ppm	0.0063 ppm	70.5412 ppm	0.0015 ppm	-0.0002 ppm	0.0029 ppm
Concentration per Run 1	10.0578 ppm	0.0157 ppm	0.0063 ppm	70.3021 ppm	0.0014 ppm	-0.0007 ppm	0.0038 ppm
Concentration per Run 2	10.0682 ppm	0.0160 ppm	0.0065 ppm	70.6025 ppm	0.0016 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 3	10.1384 ppm	0.0159 ppm	0.0063 ppm	70.7190 ppm	0.0015 ppm	0.0001 ppm	0.0018 ppm
Concentration RSD	0.4 %	0.9 %	1.6 %	0.3 %	6.0 %	246.8 %	34.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	8.8904 ppm	0.0006 ppm	0.3513 ppm	0.0003 ppm	-0.0003 ppm	0.0035 ppm
Concentration per Run 1	0.0016 ppm	8.8787 ppm	0.0008 ppm	0.3495 ppm	0.0003 ppm	-0.0008 ppm	0.0035 ppm
Concentration per Run 2	0.0007 ppm	8.8569 ppm	0.0003 ppm	0.3513 ppm	0.0002 ppm	-0.0004 ppm	0.0035 ppm
Concentration per Run 3	0.0004 ppm	8.9356 ppm	0.0006 ppm	0.3531 ppm	0.0003 ppm	0.0001 ppm	0.0035 ppm
Concentration RSD	66.8 %	0.5 %	48.0 %	0.5 %	18.9 %	137.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	102.2418 %	93.8891 %	92.5158 %	95.8431 %	91.0886 %	93.1324 %
Concentration per Run 1	0.0024 ppm	101.9716 %	93.9032 %	92.7370 %	95.9677 %	91.2815 %	93.3189 %
Concentration per Run 2	0.0024 ppm	101.7158 %	93.8355 %	92.6424 %	95.2779 %	91.3261 %	93.0913 %
Concentration per Run 3	0.0023 ppm	103.0381 %	93.9285 %	92.1681 %	96.2838 %	90.6581 %	92.9869 %
Concentration RSD	2.6 %	0.7 %	0.1 %	0.3 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-3 WG2085603
Analysis started at: 7/1/2025 2:00:27 PM
Comments <Comment>
Rack: 1
Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0602 ppm	2.3616 ppm	0.1366 ppm	1.1033 ppm	2.3925 ppm	0.0565 ppm	58.5442 ppm
Concentration per Run 1	0.0601 ppm	2.3535 ppm	0.1372 ppm	1.1020 ppm	2.3660 ppm	0.0564 ppm	58.3667 ppm
Concentration per Run 2	0.0603 ppm	2.3662 ppm	0.1377 ppm	1.1042 ppm	2.4126 ppm	0.0565 ppm	58.5647 ppm
Concentration per Run 3	0.0604 ppm	2.3651 ppm	0.1348 ppm	1.1036 ppm	2.3988 ppm	0.0565 ppm	58.7012 ppm
Concentration RSD	0.3 %	0.3 %	1.2 %	0.1 %	1.0 %	0.1 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0511 ppm	0.5305 ppm	0.2144 ppm	0.2749 ppm	1.0416 ppm	16.0367 ppm	0.0060 ppm
Concentration per Run 1	0.0510 ppm	0.5293 ppm	0.2144 ppm	0.2748 ppm	1.0363 ppm	16.0125 ppm	0.0055 ppm
Concentration per Run 2	0.0511 ppm	0.5312 ppm	0.2136 ppm	0.2751 ppm	1.0434 ppm	16.0578 ppm	0.0073 ppm
Concentration per Run 3	0.0512 ppm	0.5312 ppm	0.2151 ppm	0.2747 ppm	1.0451 ppm	16.0398 ppm	0.0052 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.1 %	0.4 %	0.1 %	19.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	20.3137 ppm	0.5663 ppm	0.9963 ppm	82.1583 ppm	0.5393 ppm	0.5303 ppm	0.4393 ppm
Concentration per Run 1	20.2749 ppm	0.5643 ppm	0.9926 ppm	81.9652 ppm	0.5388 ppm	0.5303 ppm	0.4286 ppm
Concentration per Run 2	20.2643 ppm	0.5677 ppm	0.9969 ppm	82.3065 ppm	0.5396 ppm	0.5305 ppm	0.4412 ppm
Concentration per Run 3	20.4018 ppm	0.5670 ppm	0.9993 ppm	82.2031 ppm	0.5396 ppm	0.5300 ppm	0.4481 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.2 %	0.1 %	0.0 %	2.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1247 ppm	10.1765 ppm	0.9821 ppm	1.4315 ppm	1.0404 ppm	0.1187 ppm	0.5580 ppm
Concentration per Run 1	0.1245 ppm	10.1696 ppm	0.9796 ppm	1.4290 ppm	1.0386 ppm	0.1191 ppm	0.5567 ppm
Concentration per Run 2	0.1235 ppm	10.1834 ppm	0.9833 ppm	1.4347 ppm	1.0387 ppm	0.1178 ppm	0.5572 ppm
Concentration per Run 3	0.1260 ppm	10.1764 ppm	0.9834 ppm	1.4308 ppm	1.0439 ppm	0.1193 ppm	0.5600 ppm
Concentration RSD	1.0 %	0.1 %	0.2 %	0.2 %	0.3 %	0.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5453 ppm	102.0267 %	93.4085 %	92.3702 %	95.6165 %	90.4246 %	92.3554 %
Concentration per Run 1	0.5441 ppm	102.7290 %	93.3155 %	92.4229 %	96.2517 %	90.5206 %	92.4108 %
Concentration per Run 2	0.5455 ppm	101.5319 %	93.6820 %	92.3979 %	95.3721 %	90.3825 %	92.5483 %
Concentration per Run 3	0.5462 ppm	101.8193 %	93.2281 %	92.2900 %	95.2258 %	90.3707 %	92.1070 %
Concentration RSD	0.2 %	0.6 %	0.3 %	0.1 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-4 WG2085603
Analysis started at: 7/1/2025 2:06:41 PM
Comments <Comment>
Rack: 1
Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0818 ppm	0.0085 ppm	0.0649 ppm	0.1507 ppm	0.0000 ppm	48.5355 ppm
Concentration per Run 1	-0.0002 ppm	0.0769 ppm	0.0114 ppm	0.0648 ppm	0.1501 ppm	0.0000 ppm	48.1557 ppm
Concentration per Run 2	-0.0002 ppm	0.0883 ppm	0.0076 ppm	0.0651 ppm	0.1509 ppm	0.0000 ppm	48.6354 ppm
Concentration per Run 3	-0.0001 ppm	0.0801 ppm	0.0064 ppm	0.0649 ppm	0.1510 ppm	0.0000 ppm	48.8153 ppm
Concentration RSD	56.8 %	7.2 %	30.4 %	0.2 %	0.3 %	121.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0010 ppm	0.0062 ppm	4.5004 ppm	0.0055 ppm
Concentration per Run 1	-0.0002 ppm	0.0007 ppm	0.0007 ppm	0.0012 ppm	0.0067 ppm	4.4804 ppm	0.0055 ppm
Concentration per Run 2	-0.0003 ppm	0.0006 ppm	0.0002 ppm	0.0009 ppm	0.0063 ppm	4.4899 ppm	0.0059 ppm
Concentration per Run 3	-0.0003 ppm	0.0006 ppm	0.0004 ppm	0.0009 ppm	0.0056 ppm	4.5310 ppm	0.0051 ppm
Concentration RSD	5.7 %	12.1 %	59.4 %	19.0 %	9.4 %	0.6 %	6.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0940 ppm	0.0120 ppm	0.0117 ppm	71.0671 ppm	0.0017 ppm	0.0000 ppm	0.0179 ppm
Concentration per Run 1	10.0892 ppm	0.0120 ppm	0.0125 ppm	70.8004 ppm	0.0015 ppm	0.0004 ppm	0.0190 ppm
Concentration per Run 2	10.0932 ppm	0.0119 ppm	0.0117 ppm	71.1908 ppm	0.0019 ppm	-0.0006 ppm	0.0186 ppm
Concentration per Run 3	10.0995 ppm	0.0121 ppm	0.0110 ppm	71.2102 ppm	0.0016 ppm	0.0003 ppm	0.0161 ppm
Concentration RSD	0.1 %	0.7 %	6.3 %	0.3 %	13.4 %	12,197.6 %	8.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	8.9025 ppm	0.0047 ppm	0.3548 ppm	0.0008 ppm	-0.0007 ppm	0.0035 ppm
Concentration per Run 1	0.0021 ppm	8.8883 ppm	0.0053 ppm	0.3537 ppm	0.0008 ppm	-0.0006 ppm	0.0037 ppm
Concentration per Run 2	0.0029 ppm	8.9181 ppm	0.0048 ppm	0.3556 ppm	0.0007 ppm	-0.0002 ppm	0.0033 ppm
Concentration per Run 3	0.0008 ppm	8.9012 ppm	0.0040 ppm	0.3552 ppm	0.0008 ppm	-0.0014 ppm	0.0035 ppm
Concentration RSD	53.9 %	0.2 %	13.7 %	0.3 %	8.1 %	79.0 %	5.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	102.6875 %	93.9303 %	92.7252 %	95.3410 %	91.0414 %	92.8488 %
Concentration per Run 1	0.0025 ppm	104.0794 %	94.0703 %	92.7308 %	96.4621 %	91.1647 %	92.7876 %
Concentration per Run 2	0.0025 ppm	102.4069 %	93.7687 %	92.7513 %	95.0185 %	90.9755 %	92.7679 %
Concentration per Run 3	0.0024 ppm	101.5761 %	93.9521 %	92.6935 %	94.5424 %	90.9841 %	92.9911 %
Concentration RSD	3.0 %	1.2 %	0.2 %	0.0 %	1.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-5 WG2085603
Analysis started at: 7/1/2025 2:13:03 PM
Comments <Comment>
Rack: 1
Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0590 ppm	2.3479 ppm	0.1311 ppm	1.0741 ppm	2.3923 ppm	0.0565 ppm	57.6046 ppm
Concentration per Run 1	0.0589 ppm	2.3633 ppm	0.1298 ppm	1.0743 ppm	2.4039 ppm	0.0570 ppm	58.0203 ppm
Concentration per Run 2	0.0594 ppm	2.3638 ppm	0.1321 ppm	1.0722 ppm	2.4252 ppm	0.0567 ppm	57.7745 ppm
Concentration per Run 3	0.0588 ppm	2.3166 ppm	0.1313 ppm	1.0757 ppm	2.3477 ppm	0.0559 ppm	57.0190 ppm
Concentration RSD	0.5 %	1.2 %	0.9 %	0.2 %	1.7 %	1.0 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0499 ppm	0.5202 ppm	0.2102 ppm	0.2691 ppm	1.0292 ppm	15.9376 ppm	0.0060 ppm
Concentration per Run 1	0.0500 ppm	0.5202 ppm	0.2100 ppm	0.2683 ppm	1.0444 ppm	16.0318 ppm	0.0057 ppm
Concentration per Run 2	0.0498 ppm	0.5202 ppm	0.2104 ppm	0.2696 ppm	1.0285 ppm	16.0260 ppm	0.0062 ppm
Concentration per Run 3	0.0499 ppm	0.5201 ppm	0.2103 ppm	0.2694 ppm	1.0146 ppm	15.7549 ppm	0.0061 ppm
Concentration RSD	0.2 %	0.0 %	0.1 %	0.3 %	1.4 %	1.0 %	4.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	19.7704 ppm	0.5696 ppm	0.9669 ppm	81.0880 ppm	0.5277 ppm	0.5110 ppm	0.4127 ppm
Concentration per Run 1	19.7774 ppm	0.5733 ppm	0.9653 ppm	81.6689 ppm	0.5283 ppm	0.5112 ppm	0.3954 ppm
Concentration per Run 2	19.7710 ppm	0.5728 ppm	0.9667 ppm	81.5241 ppm	0.5278 ppm	0.5108 ppm	0.4133 ppm
Concentration per Run 3	19.7629 ppm	0.5628 ppm	0.9688 ppm	80.0709 ppm	0.5271 ppm	0.5109 ppm	0.4294 ppm
Concentration RSD	0.0 %	1.0 %	0.2 %	1.1 %	0.1 %	0.0 %	4.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1212 ppm	9.5721 ppm	0.9625 ppm	1.4252 ppm	1.0133 ppm	0.1149 ppm	0.5472 ppm
Concentration per Run 1	0.1215 ppm	9.5793 ppm	0.9591 ppm	1.4321 ppm	1.0115 ppm	0.1149 ppm	0.5466 ppm
Concentration per Run 2	0.1195 ppm	9.5739 ppm	0.9643 ppm	1.4341 ppm	1.0137 ppm	0.1173 ppm	0.5473 ppm
Concentration per Run 3	0.1225 ppm	9.5631 ppm	0.9640 ppm	1.4093 ppm	1.0146 ppm	0.1124 ppm	0.5476 ppm
Concentration RSD	1.3 %	0.1 %	0.3 %	1.0 %	0.2 %	2.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5345 ppm	101.0956 %	93.4544 %	92.4511 %	94.1843 %	90.5162 %	92.0006 %
Concentration per Run 1	0.5350 ppm	100.2110 %	93.3511 %	92.4205 %	93.9482 %	90.4753 %	91.9703 %
Concentration per Run 2	0.5346 ppm	100.8741 %	93.4836 %	92.4995 %	93.5503 %	90.5722 %	91.9163 %
Concentration per Run 3	0.5338 ppm	102.2017 %	93.5283 %	92.4334 %	95.0543 %	90.5010 %	92.1153 %
Concentration RSD	0.1 %	1.0 %	0.1 %	0.0 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-6D5 WG2085603
Analysis started at: 7/1/2025 2:19:18 PM
Comments <Comment>
Rack: 1
Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0199 ppm	0.0019 ppm	0.0149 ppm	0.0307 ppm	0.0001 ppm	9.7056 ppm
Concentration per Run 1	0.0002 ppm	0.0208 ppm	0.0029 ppm	0.0148 ppm	0.0306 ppm	0.0000 ppm	9.7351 ppm
Concentration per Run 2	0.0002 ppm	0.0151 ppm	0.0017 ppm	0.0149 ppm	0.0307 ppm	0.0001 ppm	9.6799 ppm
Concentration per Run 3	0.0000 ppm	0.0237 ppm	0.0011 ppm	0.0149 ppm	0.0308 ppm	0.0001 ppm	9.7017 ppm
Concentration RSD	81.1 %	21.9 %	48.0 %	0.2 %	0.4 %	61.8 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0024 ppm	0.9012 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0006 ppm	0.0028 ppm	0.9097 ppm	-0.0004 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0006 ppm	0.0023 ppm	0.8759 ppm	0.0022 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0020 ppm	0.9180 ppm	0.0018 ppm
Concentration RSD	2.1 %	302.6 %	72.2 %	44.2 %	16.4 %	2.5 %	119.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.0835 ppm	0.0032 ppm	0.0075 ppm	14.0619 ppm	0.0006 ppm	-0.0006 ppm	0.0260 ppm
Concentration per Run 1	2.0779 ppm	0.0032 ppm	0.0081 ppm	14.1015 ppm	0.0008 ppm	-0.0002 ppm	0.0288 ppm
Concentration per Run 2	2.0894 ppm	0.0032 ppm	0.0075 ppm	14.0628 ppm	0.0006 ppm	-0.0007 ppm	0.0258 ppm
Concentration per Run 3	2.0832 ppm	0.0032 ppm	0.0069 ppm	14.0213 ppm	0.0003 ppm	-0.0007 ppm	0.0233 ppm
Concentration RSD	0.3 %	0.1 %	7.7 %	0.3 %	50.7 %	55.9 %	10.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	1.7172 ppm	0.0068 ppm	0.0716 ppm	0.0007 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0014 ppm	1.7164 ppm	0.0079 ppm	0.0717 ppm	0.0008 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 2	0.0020 ppm	1.7214 ppm	0.0067 ppm	0.0714 ppm	0.0006 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run 3	-0.0007 ppm	1.7137 ppm	0.0059 ppm	0.0716 ppm	0.0006 ppm	-0.0014 ppm	0.0010 ppm
Concentration RSD	162.7 %	0.2 %	14.2 %	0.2 %	17.8 %	1,116.1 %	11.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	103.3196 %	96.5350 %	95.1470 %	96.0430 %	96.5513 %	95.3404 %
Concentration per Run 1	0.0006 ppm	103.6801 %	96.5780 %	95.2824 %	95.9205 %	96.6408 %	95.3899 %
Concentration per Run 2	0.0007 ppm	103.7430 %	96.3683 %	95.0029 %	96.2575 %	96.2852 %	95.1685 %
Concentration per Run 3	0.0006 ppm	102.5359 %	96.6588 %	95.1557 %	95.9509 %	96.7279 %	95.4627 %
Concentration RSD	9.8 %	0.7 %	0.2 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 2:25:41 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5433 ppm	0.5099 ppm	0.4832 ppm	0.4986 ppm	0.5170 ppm	0.5220 ppm	0.5121 ppm
Concentration per Run 1	0.5426 ppm	0.5126 ppm	0.4812 ppm	0.4987 ppm	0.5214 ppm	0.5264 ppm	0.5149 ppm
Concentration per Run 2	0.5433 ppm	0.5150 ppm	0.4840 ppm	0.4989 ppm	0.5154 ppm	0.5208 ppm	0.5093 ppm
Concentration per Run 3	0.5438 ppm	0.5019 ppm	0.4845 ppm	0.4981 ppm	0.5143 ppm	0.5190 ppm	0.5120 ppm
Recovery Percentage 1	108.653 %	101.972 %	96.649 %	99.713 %	103.410 %	104.410 %	102.418 %
Concentration RSD	0.1 %	1.4 %	0.4 %	0.1 %	0.7 %	0.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4895 ppm	0.5022 ppm	0.5025 ppm	0.5100 ppm	0.4840 ppm	5.1346 ppm	0.5391 ppm
Concentration per Run 1	0.4898 ppm	0.5022 ppm	0.5021 ppm	0.5105 ppm	0.4871 ppm	5.1532 ppm	0.5448 ppm
Concentration per Run 2	0.4890 ppm	0.5020 ppm	0.5027 ppm	0.5100 ppm	0.4831 ppm	5.1536 ppm	0.5367 ppm
Concentration per Run 3	0.4898 ppm	0.5024 ppm	0.5028 ppm	0.5094 ppm	0.4818 ppm	5.0971 ppm	0.5357 ppm
Recovery Percentage 1	97.909 %	100.445 %	100.501 %	101.997 %	96.797 %	102.692 %	107.818 %
Concentration RSD	0.1 %	0.0 %	0.1 %	0.1 %	0.6 %	0.6 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5212 ppm	0.5301 ppm	0.4939 ppm	10.7363 ppm	0.5062 ppm	0.5062 ppm	0.5311 ppm
Concentration per Run 1	0.5212 ppm	0.5343 ppm	0.4935 ppm	10.8376 ppm	0.5064 ppm	0.5057 ppm	0.5337 ppm
Concentration per Run 2	0.5244 ppm	0.5291 ppm	0.4937 ppm	10.7038 ppm	0.5052 ppm	0.5053 ppm	0.5307 ppm
Concentration per Run 3	0.5181 ppm	0.5268 ppm	0.4944 ppm	10.6675 ppm	0.5069 ppm	0.5078 ppm	0.5289 ppm
Recovery Percentage 1	104.246 %	106.018 %	98.774 %	107.363 %	101.235 %	101.250 %	106.216 %
Concentration RSD	0.6 %	0.7 %	0.1 %	0.8 %	0.2 %	0.3 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4925 ppm	5.5195 ppm	0.5079 ppm	0.5459 ppm	0.5121 ppm	0.5153 ppm	0.5078 ppm
Concentration per Run 1	0.4956 ppm	5.5129 ppm	0.5084 ppm	0.5501 ppm	0.5122 ppm	0.5130 ppm	0.5084 ppm
Concentration per Run 2	0.4879 ppm	5.5168 ppm	0.5077 ppm	0.5444 ppm	0.5125 ppm	0.5163 ppm	0.5084 ppm
Concentration per Run 3	0.4939 ppm	5.5288 ppm	0.5077 ppm	0.5433 ppm	0.5117 ppm	0.5167 ppm	0.5068 ppm
Recovery Percentage 1	98.492 %	105.133 %	101.584 %	109.185 %	102.425 %	103.068 %	101.568 %
Concentration RSD	0.8 %	0.1 %	0.1 %	0.7 %	0.1 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4977 ppm	101.6212 %	96.9049 %	95.4922 %	95.0713 %	95.5730 %	95.7349 %
Concentration per Run 1	0.4978 ppm	100.9668 %	96.9377 %	95.5547 %	94.3684 %	95.5872 %	95.6721 %
Concentration per Run 2	0.4977 ppm	101.3842 %	96.8527 %	95.3327 %	94.9365 %	95.6624 %	95.6780 %
Concentration per Run 3	0.4975 ppm	102.5126 %	96.9243 %	95.5893 %	95.9089 %	95.4695 %	95.8545 %
Recovery Percentage 1	99.534 %						
Concentration RSD	0.0 %	0.8 %	0.0 %	0.1 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 2:31:49 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0053 ppm	0.0001 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0093 ppm
Concentration per Run 1	-0.0001 ppm	0.0061 ppm	-0.0022 ppm	0.0025 ppm	0.0002 ppm	0.0001 ppm	0.0095 ppm
Concentration per Run 2	-0.0001 ppm	0.0088 ppm	0.0008 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0072 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	0.0015 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0111 ppm
Recovery Percentage 1	-1.127 %	5.299 %	1.118 %	7.900 %	1.331 %	1.981 %	9.263 %
Concentration RSD	95.2 %	75.1 %	3,499.2 %	3.3 %	40.6 %	13.1 %	20.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0321 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0008 ppm	0.0314 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0019 ppm	0.0271 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0007 ppm	0.0379 ppm	-0.0003 ppm
Recovery Percentage 1	-0.280 %	-0.770 %	-1.653 %	4.742 %	2.296 %	1.286 %	1.244 %
Concentration RSD	138.3 %	34.9 %	68.7 %	13.2 %	56.0 %	16.9 %	537.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0023 ppm	0.0376 ppm	0.0003 ppm	-0.0001 ppm	0.0029 ppm
Concentration per Run 1	-0.0020 ppm	0.0002 ppm	0.0026 ppm	0.0321 ppm	0.0003 ppm	-0.0005 ppm	0.0034 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	0.0021 ppm	0.0390 ppm	0.0003 ppm	-0.0001 ppm	0.0020 ppm
Concentration per Run 3	0.0009 ppm	0.0000 ppm	0.0022 ppm	0.0416 ppm	0.0003 ppm	0.0002 ppm	0.0034 ppm
Recovery Percentage 1	-0.205 %	1.041 %	4.611 %	1.879 %	1.194 %	-1.208 %	5.831 %
Concentration RSD	764.9 %	118.9 %	12.9 %	13.1 %	13.5 %	325.9 %	27.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0030 ppm	0.0011 ppm	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 3	0.0009 ppm	0.0006 ppm	0.0016 ppm	0.0002 ppm	0.0002 ppm	-0.0008 ppm	0.0004 ppm
Recovery Percentage 1	13.735 %	0.093 %	1.850 %	1.444 %	2.390 %	1.002 %	1.068 %
Concentration RSD	103.7 %	154.8 %	70.0 %	39.5 %	6.0 %	447.3 %	198.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	101.6742 %	97.6133 %	96.1347 %	92.7890 %	96.8089 %	95.3225 %
Concentration per Run 1	0.0004 ppm	100.3226 %	97.7324 %	96.1702 %	91.3235 %	96.9977 %	95.4010 %
Concentration per Run 2	0.0004 ppm	102.1717 %	97.4804 %	96.0327 %	93.1770 %	96.9599 %	95.1463 %
Concentration per Run 3	0.0003 ppm	102.5284 %	97.6271 %	96.2013 %	93.8664 %	96.4689 %	95.4203 %
Recovery Percentage 1	7.245 %						
Concentration RSD	19.2 %	1.2 %	0.1 %	0.1 %	1.4 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-1 WG2085769
Analysis started at: 7/1/2025 2:55:24 PM
Comments <Comment>
Rack: 1
Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0102 ppm	-0.0002 ppm	0.0060 ppm	0.0001 ppm	0.0000 ppm	0.0176 ppm
Concentration per Run 1	-0.0004 ppm	0.0096 ppm	0.0008 ppm	0.0059 ppm	0.0001 ppm	0.0000 ppm	0.0171 ppm
Concentration per Run 2	0.0002 ppm	0.0135 ppm	0.0004 ppm	0.0064 ppm	0.0002 ppm	0.0000 ppm	0.0173 ppm
Concentration per Run 3	-0.0002 ppm	0.0075 ppm	-0.0018 ppm	0.0059 ppm	0.0002 ppm	0.0000 ppm	0.0185 ppm
Concentration RSD	196.4 %	30.0 %	680.9 %	5.2 %	23.8 %	216.5 %	4.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0010 ppm	0.0053 ppm	0.1369 ppm	0.0028 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0009 ppm	0.0058 ppm	0.1263 ppm	0.0020 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0012 ppm	0.0044 ppm	0.1313 ppm	0.0031 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0057 ppm	0.1533 ppm	0.0035 ppm
Concentration RSD	1,356.1 %	95.3 %	264.0 %	17.6 %	15.1 %	10.5 %	26.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0047 ppm	0.0001 ppm	0.0007 ppm	148.4675 ppm	-0.0001 ppm	-0.0006 ppm	0.0053 ppm
Concentration per Run 1	0.0028 ppm	0.0001 ppm	0.0007 ppm	146.9905 ppm	0.0000 ppm	-0.0010 ppm	0.0070 ppm
Concentration per Run 2	0.0044 ppm	0.0000 ppm	0.0006 ppm	149.7882 ppm	-0.0002 ppm	-0.0002 ppm	0.0040 ppm
Concentration per Run 3	0.0068 ppm	0.0003 ppm	0.0007 ppm	148.6238 ppm	0.0000 ppm	-0.0007 ppm	0.0048 ppm
Concentration RSD	42.9 %	95.9 %	3.4 %	0.9 %	158.5 %	60.1 %	29.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0437 ppm	0.0021 ppm	0.0001 ppm	0.0003 ppm	-0.0024 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0431 ppm	0.0018 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	-0.0002 ppm
Concentration per Run 2	0.0026 ppm	0.0432 ppm	0.0029 ppm	0.0001 ppm	0.0005 ppm	-0.0036 ppm	0.0002 ppm
Concentration per Run 3	0.0014 ppm	0.0447 ppm	0.0017 ppm	0.0001 ppm	0.0003 ppm	-0.0022 ppm	0.0001 ppm
Concentration RSD	101.7 %	2.0 %	30.0 %	35.8 %	33.0 %	46.7 %	526.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	101.8485 %	91.9325 %	91.9273 %	93.9723 %	86.3691 %	90.4867 %
Concentration per Run 1	0.0012 ppm	101.8224 %	91.8873 %	91.7355 %	94.8927 %	86.2795 %	90.4940 %
Concentration per Run 2	0.0012 ppm	102.2036 %	91.9192 %	91.7085 %	93.7420 %	86.2855 %	90.4562 %
Concentration per Run 3	0.0012 ppm	101.5194 %	91.9909 %	92.3378 %	93.2822 %	86.5425 %	90.5098 %
Concentration RSD	3.8 %	0.3 %	0.1 %	0.4 %	0.9 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-2 WG2085769
Analysis started at: 7/1/2025 3:01:57 PM
Comments <Comment>
Rack: 1
Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0578 ppm	2.2474 ppm	0.1124 ppm	0.9371 ppm	2.2332 ppm	0.0557 ppm	9.4213 ppm
Concentration per Run 1	0.0579 ppm	2.2265 ppm	0.1125 ppm	0.9392 ppm	2.2033 ppm	0.0548 ppm	9.2876 ppm
Concentration per Run 2	0.0577 ppm	2.2645 ppm	0.1119 ppm	0.9376 ppm	2.2489 ppm	0.0560 ppm	9.4667 ppm
Concentration per Run 3	0.0577 ppm	2.2511 ppm	0.1129 ppm	0.9346 ppm	2.2475 ppm	0.0563 ppm	9.5096 ppm
Concentration RSD	0.2 %	0.9 %	0.5 %	0.3 %	1.2 %	1.4 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0507 ppm	0.5347 ppm	0.2159 ppm	0.2714 ppm	1.0294 ppm	9.5037 ppm	0.0014 ppm
Concentration per Run 1	0.0508 ppm	0.5353 ppm	0.2158 ppm	0.2715 ppm	1.0202 ppm	9.4196 ppm	0.0015 ppm
Concentration per Run 2	0.0507 ppm	0.5350 ppm	0.2164 ppm	0.2704 ppm	1.0304 ppm	9.5279 ppm	0.0025 ppm
Concentration per Run 3	0.0507 ppm	0.5337 ppm	0.2155 ppm	0.2722 ppm	1.0374 ppm	9.5636 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.2 %	0.2 %	0.3 %	0.8 %	0.8 %	83.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.5821 ppm	0.5492 ppm	0.9632 ppm	10.4765 ppm	0.5500 ppm	0.5081 ppm	0.4960 ppm
Concentration per Run 1	9.5747 ppm	0.5403 ppm	0.9619 ppm	10.3055 ppm	0.5494 ppm	0.5071 ppm	0.4965 ppm
Concentration per Run 2	9.5922 ppm	0.5528 ppm	0.9640 ppm	10.5678 ppm	0.5497 ppm	0.5090 ppm	0.4955 ppm
Concentration per Run 3	9.5795 ppm	0.5545 ppm	0.9637 ppm	10.5562 ppm	0.5507 ppm	0.5083 ppm	0.4960 ppm
Concentration RSD	0.1 %	1.4 %	0.1 %	1.4 %	0.1 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1112 ppm	1.3312 ppm	0.9545 ppm	1.0030 ppm	0.9771 ppm	0.1155 ppm	0.5538 ppm
Concentration per Run 1	0.1103 ppm	1.3345 ppm	0.9528 ppm	0.9870 ppm	0.9774 ppm	0.1155 ppm	0.5536 ppm
Concentration per Run 2	0.1104 ppm	1.3342 ppm	0.9547 ppm	1.0120 ppm	0.9766 ppm	0.1145 ppm	0.5546 ppm
Concentration per Run 3	0.1128 ppm	1.3248 ppm	0.9560 ppm	1.0101 ppm	0.9774 ppm	0.1164 ppm	0.5532 ppm
Concentration RSD	1.3 %	0.4 %	0.2 %	1.4 %	0.1 %	0.8 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5364 ppm	102.1992 %	95.7903 %	94.9359 %	95.5801 %	91.5416 %	94.1119 %
Concentration per Run 1	0.5357 ppm	102.7564 %	95.8213 %	95.0238 %	96.8048 %	91.6030 %	94.0600 %
Concentration per Run 2	0.5363 ppm	102.4741 %	95.7778 %	94.7684 %	95.3052 %	91.4692 %	94.0884 %
Concentration per Run 3	0.5371 ppm	101.3670 %	95.7716 %	95.0154 %	94.6302 %	91.5526 %	94.1873 %
Concentration RSD	0.1 %	0.7 %	0.0 %	0.2 %	1.2 %	0.1 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: I2538908-01 WG2085769
Analysis started at: 7/1/2025 3:08:05 PM
Comments <Comment>
Rack: 1
Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0202 ppm	-0.0004 ppm	0.0236 ppm	0.0282 ppm	0.0000 ppm	38.1495 ppm
Concentration per Run 1	-0.0002 ppm	0.0217 ppm	0.0005 ppm	0.0232 ppm	0.0283 ppm	0.0000 ppm	38.0651 ppm
Concentration per Run 2	-0.0001 ppm	0.0193 ppm	-0.0006 ppm	0.0240 ppm	0.0281 ppm	0.0000 ppm	38.1712 ppm
Concentration per Run 3	-0.0002 ppm	0.0195 ppm	-0.0012 ppm	0.0236 ppm	0.0282 ppm	0.0000 ppm	38.2122 ppm
Concentration RSD	44.7 %	6.5 %	203.2 %	1.7 %	0.3 %	105.8 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0013 ppm	0.0190 ppm	0.7274 ppm	0.0035 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0193 ppm	0.7157 ppm	0.0040 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	0.0196 ppm	0.7124 ppm	0.0035 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0012 ppm	0.0182 ppm	0.7543 ppm	0.0031 ppm
Concentration RSD	15.6 %	164.3 %	47.6 %	4.5 %	3.7 %	3.2 %	14.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.7015 ppm	0.1052 ppm	0.0031 ppm	143.7129 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 1	2.7107 ppm	0.1049 ppm	0.0032 ppm	143.7317 ppm	0.0002 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 2	2.7077 ppm	0.1057 ppm	0.0029 ppm	144.1972 ppm	0.0002 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run 3	2.6861 ppm	0.1051 ppm	0.0030 ppm	143.2098 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.4 %	5.2 %	0.3 %	61.8 %	143.0 %	128.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.2275 ppm	0.0013 ppm	0.0928 ppm	0.0008 ppm	-0.0030 ppm	0.0005 ppm
Concentration per Run 1	0.0040 ppm	0.2249 ppm	0.0018 ppm	0.0927 ppm	0.0008 ppm	-0.0055 ppm	0.0004 ppm
Concentration per Run 2	0.0027 ppm	0.2324 ppm	0.0015 ppm	0.0927 ppm	0.0008 ppm	-0.0021 ppm	0.0007 ppm
Concentration per Run 3	-0.0002 ppm	0.2253 ppm	0.0005 ppm	0.0931 ppm	0.0008 ppm	-0.0015 ppm	0.0003 ppm
Concentration RSD	97.7 %	1.8 %	52.3 %	0.2 %	3.3 %	71.5 %	46.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0730 ppm	100.2237 %	91.1443 %	91.3636 %	93.3522 %	85.3772 %	90.0083 %
Concentration per Run 1	0.0731 ppm	99.9501 %	90.9110 %	91.3533 %	93.4663 %	85.4344 %	89.7183 %
Concentration per Run 2	0.0732 ppm	100.5600 %	90.9457 %	91.2923 %	93.2331 %	85.2805 %	89.7603 %
Concentration per Run 3	0.0729 ppm	100.1609 %	91.5761 %	91.4452 %	93.3571 %	85.4169 %	90.5464 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.1 %	0.1 %	0.1 %	0.5 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-3 WG2085769
Analysis started at: 7/1/2025 3:15:07 PM
Comments <Comment>
Rack: 1
Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0583 ppm	2.2668 ppm	0.1231 ppm	1.0075 ppm	2.2535 ppm	0.0564 ppm	47.3355 ppm
Concentration per Run 1	0.0584 ppm	2.2411 ppm	0.1218 ppm	1.0087 ppm	2.2289 ppm	0.0557 ppm	46.8299 ppm
Concentration per Run 2	0.0582 ppm	2.2768 ppm	0.1256 ppm	1.0093 ppm	2.2651 ppm	0.0568 ppm	47.5394 ppm
Concentration per Run 3	0.0584 ppm	2.2823 ppm	0.1220 ppm	1.0045 ppm	2.2665 ppm	0.0567 ppm	47.6374 ppm
Concentration RSD	0.2 %	1.0 %	1.8 %	0.3 %	0.9 %	1.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0515 ppm	0.5360 ppm	0.2132 ppm	0.2735 ppm	1.0364 ppm	10.8326 ppm	0.0039 ppm
Concentration per Run 1	0.0517 ppm	0.5370 ppm	0.2130 ppm	0.2741 ppm	1.0271 ppm	10.7265 ppm	0.0039 ppm
Concentration per Run 2	0.0515 ppm	0.5357 ppm	0.2131 ppm	0.2736 ppm	1.0414 ppm	10.9127 ppm	0.0045 ppm
Concentration per Run 3	0.0514 ppm	0.5353 ppm	0.2134 ppm	0.2728 ppm	1.0408 ppm	10.8587 ppm	0.0032 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	0.8 %	0.9 %	16.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.0543 ppm	0.6469 ppm	1.0052 ppm	152.6468 ppm	0.5484 ppm	0.5120 ppm	0.5127 ppm
Concentration per Run 1	12.0239 ppm	0.6391 ppm	1.0068 ppm	151.4392 ppm	0.5498 ppm	0.5145 ppm	0.5136 ppm
Concentration per Run 2	12.0817 ppm	0.6508 ppm	1.0039 ppm	154.3838 ppm	0.5483 ppm	0.5111 ppm	0.5134 ppm
Concentration per Run 3	12.0571 ppm	0.6508 ppm	1.0048 ppm	152.1175 ppm	0.5470 ppm	0.5103 ppm	0.5112 ppm
Concentration RSD	0.2 %	1.0 %	0.1 %	1.0 %	0.3 %	0.4 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1231 ppm	1.6163 ppm	0.9663 ppm	1.1146 ppm	0.9973 ppm	0.1096 ppm	0.5555 ppm
Concentration per Run 1	0.1228 ppm	1.6223 ppm	0.9676 ppm	1.1021 ppm	0.9966 ppm	0.1078 ppm	0.5553 ppm
Concentration per Run 2	0.1222 ppm	1.6179 ppm	0.9664 ppm	1.1217 ppm	0.9975 ppm	0.1122 ppm	0.5557 ppm
Concentration per Run 3	0.1243 ppm	1.6086 ppm	0.9648 ppm	1.1200 ppm	0.9977 ppm	0.1089 ppm	0.5555 ppm
Concentration RSD	0.9 %	0.4 %	0.1 %	1.0 %	0.1 %	2.1 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6175 ppm	99.5281 %	91.0075 %	90.5113 %	92.9658 %	85.3838 %	89.8097 %
Concentration per Run 1	0.6186 ppm	100.1323 %	91.1272 %	90.5487 %	93.7350 %	85.1542 %	89.8772 %
Concentration per Run 2	0.6166 ppm	99.0599 %	90.9742 %	90.4630 %	92.5226 %	85.4275 %	89.7832 %
Concentration per Run 3	0.6173 ppm	99.3920 %	90.9211 %	90.5224 %	92.6399 %	85.5697 %	89.7687 %
Concentration RSD	0.2 %	0.6 %	0.1 %	0.0 %	0.7 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-4 WG2085769
Analysis started at: 7/1/2025 3:21:21 PM
Comments <Comment>
Rack: 1
Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0286 ppm	0.0003 ppm	0.0238 ppm	0.0287 ppm	0.0000 ppm	38.7194 ppm
Concentration per Run 1	0.0000 ppm	0.0360 ppm	-0.0003 ppm	0.0246 ppm	0.0293 ppm	0.0001 ppm	39.4816 ppm
Concentration per Run 2	-0.0001 ppm	0.0298 ppm	0.0004 ppm	0.0237 ppm	0.0286 ppm	0.0000 ppm	38.3422 ppm
Concentration per Run 3	-0.0006 ppm	0.0199 ppm	0.0007 ppm	0.0233 ppm	0.0283 ppm	0.0000 ppm	38.3345 ppm
Concentration RSD	149.7 %	28.3 %	185.0 %	2.7 %	1.7 %	34.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0198 ppm	0.7784 ppm	0.0047 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0013 ppm	0.0199 ppm	0.7963 ppm	0.0048 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0014 ppm	0.0203 ppm	0.7570 ppm	0.0040 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0193 ppm	0.7818 ppm	0.0053 ppm
Concentration RSD	35.7 %	230.8 %	113.4 %	12.9 %	2.6 %	2.5 %	14.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6975 ppm	0.1095 ppm	0.0033 ppm	145.3454 ppm	0.0004 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run 1	2.7038 ppm	0.1114 ppm	0.0036 ppm	147.7419 ppm	0.0003 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 2	2.6978 ppm	0.1086 ppm	0.0034 ppm	144.4342 ppm	0.0003 ppm	0.0003 ppm	0.0014 ppm
Concentration per Run 3	2.6908 ppm	0.1086 ppm	0.0029 ppm	143.8601 ppm	0.0005 ppm	0.0006 ppm	-0.0004 ppm
Concentration RSD	0.2 %	1.4 %	10.5 %	1.4 %	33.8 %	86.0 %	125.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.2209 ppm	0.0005 ppm	0.0948 ppm	0.0009 ppm	-0.0042 ppm	0.0002 ppm
Concentration per Run 1	0.0033 ppm	0.2260 ppm	0.0004 ppm	0.0965 ppm	0.0008 ppm	-0.0057 ppm	0.0003 ppm
Concentration per Run 2	0.0019 ppm	0.2179 ppm	0.0002 ppm	0.0943 ppm	0.0010 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 3	0.0005 ppm	0.2187 ppm	0.0009 ppm	0.0937 ppm	0.0008 ppm	-0.0049 ppm	0.0002 ppm
Concentration RSD	70.9 %	2.0 %	73.9 %	1.5 %	11.9 %	47.8 %	11.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0714 ppm	98.9295 %	91.2321 %	90.7789 %	91.7777 %	85.8201 %	90.0483 %
Concentration per Run 1	0.0713 ppm	97.1396 %	91.1388 %	90.8921 %	90.2370 %	85.7494 %	90.0446 %
Concentration per Run 2	0.0716 ppm	99.8791 %	91.4627 %	90.5522 %	92.6322 %	85.7131 %	90.1151 %
Concentration per Run 3	0.0712 ppm	99.7697 %	91.0948 %	90.8925 %	92.4639 %	85.9977 %	89.9852 %
Concentration RSD	0.3 %	1.6 %	0.2 %	0.2 %	1.5 %	0.2 %	0.1 %

LabBook: WG2085564_07012025T5.imexp

Sample: I2537849-01 WG2085769
Analysis started at: 7/1/2025 3:27:51 PM
Comments <Comment>
Rack: 1
Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0561 ppm	0.0006 ppm	0.0076 ppm	0.0527 ppm	0.0000 ppm	13.3321 ppm
Concentration per Run 1	0.0002 ppm	0.0581 ppm	-0.0008 ppm	0.0072 ppm	0.0538 ppm	0.0001 ppm	13.5834 ppm
Concentration per Run 2	-0.0003 ppm	0.0553 ppm	0.0010 ppm	0.0079 ppm	0.0524 ppm	0.0000 ppm	13.2253 ppm
Concentration per Run 3	0.0002 ppm	0.0549 ppm	0.0015 ppm	0.0078 ppm	0.0520 ppm	0.0000 ppm	13.1877 ppm
Concentration RSD	3,536.7 %	3.1 %	209.3 %	4.9 %	1.8 %	56.6 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0024 ppm	0.0001 ppm	0.0024 ppm	0.0234 ppm	0.9107 ppm	0.0047 ppm
Concentration per Run 1	0.0002 ppm	0.0022 ppm	0.0001 ppm	0.0024 ppm	0.0234 ppm	0.9215 ppm	0.0051 ppm
Concentration per Run 2	0.0002 ppm	0.0026 ppm	0.0001 ppm	0.0025 ppm	0.0223 ppm	0.8854 ppm	0.0053 ppm
Concentration per Run 3	0.0002 ppm	0.0024 ppm	0.0001 ppm	0.0023 ppm	0.0244 ppm	0.9252 ppm	0.0038 ppm
Concentration RSD	2.0 %	6.8 %	25.6 %	4.6 %	4.4 %	2.4 %	17.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4053 ppm	0.2180 ppm	0.0007 ppm	145.5631 ppm	0.0017 ppm	0.0133 ppm	0.0010 ppm
Concentration per Run 1	0.4060 ppm	0.2217 ppm	0.0008 ppm	150.4848 ppm	0.0016 ppm	0.0135 ppm	0.0006 ppm
Concentration per Run 2	0.4069 ppm	0.2167 ppm	0.0008 ppm	143.5468 ppm	0.0016 ppm	0.0131 ppm	-0.0002 ppm
Concentration per Run 3	0.4031 ppm	0.2157 ppm	0.0005 ppm	142.6576 ppm	0.0019 ppm	0.0134 ppm	0.0026 ppm
Concentration RSD	0.5 %	1.5 %	28.2 %	2.9 %	9.5 %	1.7 %	142.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.5252 ppm	0.0007 ppm	0.0345 ppm	0.0011 ppm	-0.0025 ppm	0.0006 ppm
Concentration per Run 1	-0.0008 ppm	0.5272 ppm	0.0006 ppm	0.0351 ppm	0.0010 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run 2	-0.0016 ppm	0.5236 ppm	0.0008 ppm	0.0343 ppm	0.0010 ppm	-0.0035 ppm	0.0007 ppm
Concentration per Run 3	-0.0008 ppm	0.5248 ppm	0.0007 ppm	0.0341 ppm	0.0014 ppm	-0.0031 ppm	0.0003 ppm
Concentration RSD	43.0 %	0.4 %	15.1 %	1.4 %	20.7 %	51.5 %	41.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0406 ppm	98.3486 %	91.8543 %	91.6770 %	91.8500 %	87.3595 %	91.1860 %
Concentration per Run 1	0.0407 ppm	96.4136 %	91.7896 %	91.6524 %	90.1755 %	87.4742 %	91.0587 %
Concentration per Run 2	0.0405 ppm	99.3290 %	91.6937 %	91.7529 %	92.5069 %	87.3024 %	91.0602 %
Concentration per Run 3	0.0406 ppm	99.3033 %	92.0797 %	91.6256 %	92.8677 %	87.3019 %	91.4392 %
Concentration RSD	0.3 %	1.7 %	0.2 %	0.1 %	1.6 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 3:34:21 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5451 ppm	0.5072 ppm	0.4839 ppm	0.4971 ppm	0.5144 ppm	0.5186 ppm	0.5094 ppm
Concentration per Run 1	0.5448 ppm	0.5086 ppm	0.4851 ppm	0.4973 ppm	0.5137 ppm	0.5182 ppm	0.5078 ppm
Concentration per Run 2	0.5450 ppm	0.5092 ppm	0.4847 ppm	0.4972 ppm	0.5146 ppm	0.5183 ppm	0.5099 ppm
Concentration per Run 3	0.5455 ppm	0.5037 ppm	0.4819 ppm	0.4969 ppm	0.5149 ppm	0.5192 ppm	0.5104 ppm
Recovery Percentage 1	109.019 %	101.432 %	96.781 %	99.424 %	102.878 %	103.718 %	101.874 %
Concentration RSD	0.1 %	0.6 %	0.4 %	0.0 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4906 ppm	0.5034 ppm	0.5064 ppm	0.5100 ppm	0.4770 ppm	5.1052 ppm	0.5374 ppm
Concentration per Run 1	0.4904 ppm	0.5033 ppm	0.5052 ppm	0.5096 ppm	0.4746 ppm	5.0825 ppm	0.5368 ppm
Concentration per Run 2	0.4905 ppm	0.5035 ppm	0.5074 ppm	0.5096 ppm	0.4778 ppm	5.1182 ppm	0.5373 ppm
Concentration per Run 3	0.4908 ppm	0.5033 ppm	0.5067 ppm	0.5108 ppm	0.4788 ppm	5.1149 ppm	0.5380 ppm
Recovery Percentage 1	98.116 %	100.673 %	101.286 %	101.995 %	95.409 %	102.104 %	107.474 %
Concentration RSD	0.0 %	0.0 %	0.2 %	0.1 %	0.5 %	0.4 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5238 ppm	0.5273 ppm	0.4901 ppm	10.6777 ppm	0.5070 ppm	0.5058 ppm	0.5136 ppm
Concentration per Run 1	0.5243 ppm	0.5255 ppm	0.4882 ppm	10.6806 ppm	0.5073 ppm	0.5051 ppm	0.5142 ppm
Concentration per Run 2	0.5249 ppm	0.5282 ppm	0.4905 ppm	10.6669 ppm	0.5068 ppm	0.5061 ppm	0.5137 ppm
Concentration per Run 3	0.5223 ppm	0.5283 ppm	0.4915 ppm	10.6857 ppm	0.5068 ppm	0.5062 ppm	0.5130 ppm
Recovery Percentage 1	104.768 %	105.462 %	98.012 %	106.777 %	101.398 %	101.167 %	102.729 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.1 %	0.1 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4905 ppm	5.5122 ppm	0.5014 ppm	0.5453 ppm	0.5126 ppm	0.5127 ppm	0.5088 ppm
Concentration per Run 1	0.4899 ppm	5.5085 ppm	0.5017 ppm	0.5445 ppm	0.5127 ppm	0.5112 ppm	0.5089 ppm
Concentration per Run 2	0.4888 ppm	5.5113 ppm	0.5013 ppm	0.5453 ppm	0.5126 ppm	0.5117 ppm	0.5080 ppm
Concentration per Run 3	0.4928 ppm	5.5169 ppm	0.5014 ppm	0.5461 ppm	0.5124 ppm	0.5152 ppm	0.5093 ppm
Recovery Percentage 1	98.097 %	104.995 %	100.287 %	109.060 %	102.512 %	102.536 %	101.752 %
Concentration RSD	0.4 %	0.1 %	0.0 %	0.1 %	0.0 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4992 ppm	102.9109 %	96.7839 %	95.6089 %	95.7519 %	95.8047 %	95.5796 %
Concentration per Run 1	0.4995 ppm	103.1704 %	96.9163 %	95.6339 %	95.9815 %	95.8776 %	95.6709 %
Concentration per Run 2	0.4989 ppm	102.8763 %	96.6919 %	95.6792 %	95.7538 %	95.6863 %	95.5740 %
Concentration per Run 3	0.4991 ppm	102.6860 %	96.7435 %	95.5138 %	95.5204 %	95.8503 %	95.4937 %
Recovery Percentage 1	99.833 %						
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	0.2 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 3:40:28 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0049 ppm	-0.0008 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0091 ppm
Concentration per Run 1	0.0000 ppm	0.0033 ppm	-0.0014 ppm	0.0019 ppm	0.0002 ppm	0.0001 ppm	0.0101 ppm
Concentration per Run 2	0.0000 ppm	0.0094 ppm	0.0001 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0103 ppm
Concentration per Run 3	0.0001 ppm	0.0020 ppm	-0.0010 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0070 ppm
Recovery Percentage 1	0.537 %	4.906 %	-15.524 %	5.885 %	1.293 %	1.193 %	9.129 %
Concentration RSD	106.6 %	80.8 %	104.7 %	12.6 %	44.7 %	66.1 %	20.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0623 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm	0.0013 ppm	0.0624 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0722 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0009 ppm	0.0524 ppm	0.0002 ppm
Recovery Percentage 1	0.199 %	-0.913 %	0.669 %	5.211 %	1.796 %	2.492 %	3.317 %
Concentration RSD	427.2 %	11.6 %	96.6 %	21.6 %	47.7 %	15.9 %	176.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0637 ppm	0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration per Run 1	-0.0010 ppm	0.0001 ppm	0.0016 ppm	0.0664 ppm	0.0002 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run 2	0.0019 ppm	-0.0001 ppm	0.0013 ppm	0.0631 ppm	0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run 3	-0.0006 ppm	0.0000 ppm	0.0014 ppm	0.0616 ppm	0.0004 ppm	-0.0012 ppm	0.0005 ppm
Recovery Percentage 1	0.103 %	-0.239 %	2.793 %	3.184 %	1.013 %	-9.137 %	0.587 %
Concentration RSD	1,531.0 %	488.7 %	10.6 %	3.8 %	66.4 %	28.8 %	231.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0023 ppm	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0000 ppm
Concentration per Run 2	0.0019 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0033 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0013 ppm	0.0001 ppm
Recovery Percentage 1	25.236 %	0.086 %	-0.043 %	1.172 %	3.170 %	5.270 %	0.897 %
Concentration RSD	28.6 %	114.8 %	699.9 %	87.8 %	69.5 %	97.0 %	106.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.1591 %	97.7183 %	96.1340 %	92.2431 %	96.8074 %	94.9271 %
Concentration per Run 1	0.0004 ppm	100.1460 %	97.8427 %	96.0625 %	91.4782 %	96.6925 %	95.0288 %
Concentration per Run 2	0.0003 ppm	101.1831 %	97.7114 %	96.0141 %	92.1653 %	96.7299 %	94.8341 %
Concentration per Run 3	0.0003 ppm	102.1483 %	97.6006 %	96.3253 %	93.0860 %	96.9997 %	94.9184 %
Recovery Percentage 1	6.424 %						
Concentration RSD	23.5 %	1.0 %	0.1 %	0.2 %	0.9 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-1 WG2082734
Analysis started at: 7/1/2025 3:58:01 PM
Comments <Comment>
Rack: 1
Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0090 ppm	-0.0002 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0164 ppm
Concentration per Run 1	-0.0001 ppm	0.0175 ppm	-0.0002 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0129 ppm
Concentration per Run 2	-0.0002 ppm	0.0072 ppm	-0.0005 ppm	0.0018 ppm	0.0002 ppm	0.0000 ppm	0.0156 ppm
Concentration per Run 3	-0.0001 ppm	0.0024 ppm	0.0000 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0208 ppm
Recovery Percentage 1	-2.045 %	9.032 %	-4.676 %	5.610 %	1.311 %	0.921 %	16.401 %
Concentration RSD	18.8 %	85.2 %	114.2 %	6.7 %	43.8 %	71.2 %	24.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0018 ppm	0.0161 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0011 ppm	0.0016 ppm	0.0348 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0013 ppm	-0.0043 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0024 ppm	0.0177 ppm	-0.0007 ppm
Recovery Percentage 1	-0.809 %	-0.565 %	0.064 %	8.666 %	3.512 %	0.642 %	-3.121 %
Concentration RSD	27.0 %	30.6 %	2,689.4 %	28.2 %	33.4 %	122.2 %	234.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0040 ppm	0.0000 ppm	0.0000 ppm	0.0392 ppm	0.0002 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 1	0.0048 ppm	0.0000 ppm	0.0001 ppm	0.0327 ppm	0.0002 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 2	0.0029 ppm	-0.0003 ppm	-0.0001 ppm	0.0408 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 3	0.0043 ppm	0.0002 ppm	0.0000 ppm	0.0442 ppm	0.0001 ppm	-0.0006 ppm	-0.0012 ppm
Recovery Percentage 1	3.973 %	-0.169 %	-0.018 %	1.962 %	0.703 %	-3.286 %	-0.578 %
Concentration RSD	25.0 %	1,302.8 %	889.5 %	15.1 %	33.8 %	96.0 %	291.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0119 ppm	-0.0005 ppm	0.0002 ppm	0.0001 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0019 ppm	0.0117 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0007 ppm	0.0114 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	-0.0003 ppm	0.0125 ppm	-0.0008 ppm	0.0004 ppm	0.0002 ppm	-0.0020 ppm	0.0004 ppm
Recovery Percentage 1	7.720 %	2.377 %	-0.985 %	2.378 %	1.182 %	-4.567 %	1.225 %
Concentration RSD	140.2 %	4.9 %	82.7 %	53.1 %	77.5 %	100.8 %	203.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	106.9928 %	98.0992 %	96.1719 %	95.6085 %	98.1887 %	94.8176 %
Concentration per Run 1	0.0012 ppm	109.2331 %	98.2309 %	96.3606 %	98.1122 %	98.2847 %	94.8932 %
Concentration per Run 2	0.0012 ppm	105.4444 %	97.9351 %	96.2761 %	94.1109 %	98.4189 %	94.7092 %
Concentration per Run 3	0.0011 ppm	106.3010 %	98.1315 %	95.8790 %	94.6025 %	97.8624 %	94.8505 %
Recovery Percentage 1	23.805 %						
Concentration RSD	4.5 %	1.9 %	0.2 %	0.3 %	2.3 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-2 WG2082734
Analysis started at: 7/1/2025 4:04:26 PM
Comments <Comment>
Rack: 1
Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0638 ppm	2.1542 ppm	0.1218 ppm	1.0093 ppm	2.1098 ppm	0.0523 ppm	10.1807 ppm
Concentration per Run 1	0.0640 ppm	2.1298 ppm	0.1218 ppm	1.0104 ppm	2.0994 ppm	0.0520 ppm	10.0929 ppm
Concentration per Run 2	0.0639 ppm	2.1516 ppm	0.1215 ppm	1.0090 ppm	2.1006 ppm	0.0522 ppm	10.1920 ppm
Concentration per Run 3	0.0635 ppm	2.1811 ppm	0.1219 ppm	1.0086 ppm	2.1292 ppm	0.0529 ppm	10.2570 ppm
Concentration RSD	0.4 %	1.2 %	0.2 %	0.1 %	0.8 %	0.9 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0528 ppm	0.5547 ppm	0.2260 ppm	0.2870 ppm	1.0748 ppm	10.3930 ppm	-0.0007 ppm
Concentration per Run 1	0.0530 ppm	0.5545 ppm	0.2256 ppm	0.2873 ppm	1.0646 ppm	10.2823 ppm	-0.0005 ppm
Concentration per Run 2	0.0528 ppm	0.5545 ppm	0.2259 ppm	0.2866 ppm	1.0741 ppm	10.4006 ppm	-0.0019 ppm
Concentration per Run 3	0.0527 ppm	0.5550 ppm	0.2266 ppm	0.2871 ppm	1.0857 ppm	10.4961 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.1 %	1.0 %	1.0 %	138.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.4877 ppm	0.5282 ppm	0.9714 ppm	11.3005 ppm	0.5592 ppm	0.5358 ppm	0.4613 ppm
Concentration per Run 1	10.4790 ppm	0.5233 ppm	0.9711 ppm	11.2267 ppm	0.5598 ppm	0.5375 ppm	0.4519 ppm
Concentration per Run 2	10.4823 ppm	0.5274 ppm	0.9713 ppm	11.3404 ppm	0.5589 ppm	0.5348 ppm	0.4617 ppm
Concentration per Run 3	10.5016 ppm	0.5339 ppm	0.9719 ppm	11.3345 ppm	0.5589 ppm	0.5352 ppm	0.4703 ppm
Concentration RSD	0.1 %	1.0 %	0.0 %	0.6 %	0.1 %	0.3 %	2.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1186 ppm	1.2316 ppm	0.9646 ppm	1.1304 ppm	1.0479 ppm	0.1200 ppm	0.5764 ppm
Concentration per Run 1	0.1180 ppm	1.2342 ppm	0.9653 ppm	1.1193 ppm	1.0471 ppm	0.1215 ppm	0.5775 ppm
Concentration per Run 2	0.1177 ppm	1.2306 ppm	0.9648 ppm	1.1347 ppm	1.0475 ppm	0.1173 ppm	0.5753 ppm
Concentration per Run 3	0.1201 ppm	1.2301 ppm	0.9636 ppm	1.1372 ppm	1.0491 ppm	0.1212 ppm	0.5765 ppm
Concentration RSD	1.1 %	0.2 %	0.1 %	0.9 %	0.1 %	1.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5560 ppm	103.9373 %	95.3061 %	93.4535 %	95.6227 %	94.6885 %	93.8961 %
Concentration per Run 1	0.5570 ppm	104.7986 %	95.2326 %	93.4501 %	96.3756 %	94.6118 %	93.9020 %
Concentration per Run 2	0.5547 ppm	103.9058 %	95.3373 %	93.3613 %	95.2903 %	94.6551 %	93.9173 %
Concentration per Run 3	0.5564 ppm	103.1076 %	95.3484 %	93.5490 %	95.2023 %	94.7987 %	93.8688 %
Concentration RSD	0.2 %	0.8 %	0.1 %	0.1 %	0.7 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-09 WG2082734
Analysis started at: 7/1/2025 4:10:41 PM
Comments <Comment>
Rack: 1
Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0132 ppm	0.0001 ppm	0.0181 ppm	0.0676 ppm	0.0000 ppm	18.8683 ppm
Concentration per Run 1	0.0001 ppm	0.0094 ppm	-0.0014 ppm	0.0184 ppm	0.0672 ppm	0.0001 ppm	18.7928 ppm
Concentration per Run 2	-0.0002 ppm	0.0135 ppm	0.0002 ppm	0.0182 ppm	0.0678 ppm	0.0000 ppm	18.9175 ppm
Concentration per Run 3	0.0001 ppm	0.0168 ppm	0.0016 ppm	0.0179 ppm	0.0678 ppm	0.0001 ppm	18.8947 ppm
Concentration RSD	1,465.3 %	28.1 %	1,343.1 %	1.4 %	0.5 %	207.0 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0020 ppm	0.0052 ppm	0.0099 ppm	1.2080 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0020 ppm	0.0054 ppm	0.0105 ppm	1.2052 ppm	0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0052 ppm	0.0085 ppm	1.2029 ppm	-0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0052 ppm	0.0108 ppm	1.2161 ppm	0.0003 ppm
Concentration RSD	46.0 %	1,163.1 %	2.9 %	2.4 %	12.7 %	0.6 %	274.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.2659 ppm	0.0007 ppm	0.0046 ppm	13.4322 ppm	0.0009 ppm	-0.0003 ppm	0.0117 ppm
Concentration per Run 1	8.2638 ppm	0.0009 ppm	0.0052 ppm	13.3774 ppm	0.0009 ppm	0.0002 ppm	0.0133 ppm
Concentration per Run 2	8.2834 ppm	0.0007 ppm	0.0047 ppm	13.4875 ppm	0.0007 ppm	-0.0008 ppm	0.0107 ppm
Concentration per Run 3	8.2506 ppm	0.0007 ppm	0.0040 ppm	13.4317 ppm	0.0010 ppm	-0.0001 ppm	0.0111 ppm
Concentration RSD	0.2 %	15.1 %	12.4 %	0.4 %	18.7 %	201.5 %	11.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	4.2746 ppm	0.0028 ppm	0.0986 ppm	0.0009 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 1	0.0017 ppm	4.2800 ppm	0.0031 ppm	0.0983 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	4.2699 ppm	0.0032 ppm	0.0987 ppm	0.0007 ppm	-0.0029 ppm	0.0001 ppm
Concentration per Run 3	0.0033 ppm	4.2738 ppm	0.0021 ppm	0.0987 ppm	0.0007 ppm	-0.0013 ppm	0.0002 ppm
Concentration RSD	83.1 %	0.1 %	20.6 %	0.2 %	25.7 %	103.7 %	34.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0075 ppm	103.3063 %	96.0433 %	93.9153 %	95.1637 %	94.4469 %	95.0873 %
Concentration per Run 1	0.0074 ppm	104.1769 %	96.0663 %	93.7679 %	96.1046 %	94.1595 %	95.1128 %
Concentration per Run 2	0.0076 ppm	102.6628 %	95.9437 %	93.9548 %	94.4789 %	94.5222 %	94.8839 %
Concentration per Run 3	0.0074 ppm	103.0793 %	96.1198 %	94.0231 %	94.9075 %	94.6588 %	95.2651 %
Concentration RSD	0.9 %	0.8 %	0.1 %	0.1 %	0.9 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-10 WG2082734
Analysis started at: 7/1/2025 4:18:22 PM
Comments <Comment>
Rack: 1
Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0133 ppm	-0.0003 ppm	0.0198 ppm	0.0127 ppm	0.0000 ppm	23.6741 ppm
Concentration per Run 1	-0.0003 ppm	0.0194 ppm	-0.0008 ppm	0.0198 ppm	0.0126 ppm	0.0000 ppm	23.5463 ppm
Concentration per Run 2	0.0002 ppm	0.0102 ppm	0.0004 ppm	0.0198 ppm	0.0128 ppm	0.0000 ppm	23.7423 ppm
Concentration per Run 3	0.0002 ppm	0.0102 ppm	-0.0006 ppm	0.0198 ppm	0.0128 ppm	0.0001 ppm	23.7337 ppm
Concentration RSD	2,845.6 %	40.2 %	184.7 %	0.1 %	0.6 %	460.1 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0091 ppm	0.0083 ppm	1.3765 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0091 ppm	0.0088 ppm	1.3643 ppm	-0.0007 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0090 ppm	0.0080 ppm	1.3914 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0092 ppm	0.0082 ppm	1.3740 ppm	0.0000 ppm
Concentration RSD	12.2 %	181.7 %	15.2 %	1.1 %	4.9 %	1.0 %	2,065.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2587 ppm	0.0020 ppm	0.0020 ppm	11.4429 ppm	0.0049 ppm	-0.0001 ppm	0.0036 ppm
Concentration per Run 1	5.2472 ppm	0.0021 ppm	0.0018 ppm	11.3765 ppm	0.0050 ppm	-0.0002 ppm	0.0033 ppm
Concentration per Run 2	5.2590 ppm	0.0019 ppm	0.0020 ppm	11.4631 ppm	0.0047 ppm	-0.0001 ppm	0.0046 ppm
Concentration per Run 3	5.2698 ppm	0.0020 ppm	0.0022 ppm	11.4889 ppm	0.0049 ppm	0.0000 ppm	0.0029 ppm
Concentration RSD	0.2 %	5.1 %	9.2 %	0.5 %	2.9 %	150.8 %	24.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	1.0585 ppm	0.0013 ppm	0.0825 ppm	0.0004 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 1	0.0023 ppm	1.0579 ppm	0.0019 ppm	0.0818 ppm	0.0005 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 2	0.0018 ppm	1.0587 ppm	0.0009 ppm	0.0826 ppm	0.0003 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 3	0.0034 ppm	1.0588 ppm	0.0010 ppm	0.0830 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm
Concentration RSD	31.7 %	0.0 %	47.0 %	0.7 %	25.9 %	168.2 %	17.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0153 ppm	103.7044 %	95.9640 %	93.9066 %	95.8979 %	94.3462 %	94.4034 %
Concentration per Run 1	0.0153 ppm	104.1172 %	96.0550 %	93.9875 %	96.3604 %	94.4237 %	94.4449 %
Concentration per Run 2	0.0153 ppm	103.2888 %	95.9089 %	93.7855 %	95.6906 %	94.2615 %	94.3990 %
Concentration per Run 3	0.0153 ppm	103.7072 %	95.9280 %	93.9470 %	95.6429 %	94.3536 %	94.3665 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.1 %	0.4 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-11 WG2082734
Analysis started at: 7/1/2025 4:24:44 PM
Comments <Comment>
Rack: 1
Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0073 ppm	0.0002 ppm	0.0089 ppm	0.0027 ppm	0.0000 ppm	8.0874 ppm
Concentration per Run 1	-0.0006 ppm	0.0076 ppm	-0.0009 ppm	0.0091 ppm	0.0026 ppm	0.0000 ppm	8.0475 ppm
Concentration per Run 2	0.0000 ppm	0.0055 ppm	0.0010 ppm	0.0088 ppm	0.0028 ppm	0.0000 ppm	8.1043 ppm
Concentration per Run 3	-0.0003 ppm	0.0088 ppm	0.0005 ppm	0.0088 ppm	0.0027 ppm	0.0000 ppm	8.1103 ppm
Concentration RSD	100.1 %	22.5 %	524.6 %	1.8 %	4.0 %	28.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0067 ppm	0.9317 ppm	0.9829 ppm	0.0020 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0068 ppm	0.9262 ppm	0.9779 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0068 ppm	0.9352 ppm	0.9985 ppm	0.0015 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0065 ppm	0.9336 ppm	0.9723 ppm	0.0026 ppm
Concentration RSD	11.2 %	56.1 %	60.9 %	2.3 %	0.5 %	1.4 %	28.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.3255 ppm	0.0321 ppm	0.0009 ppm	6.4798 ppm	0.0004 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 1	3.3177 ppm	0.0318 ppm	0.0008 ppm	6.4368 ppm	0.0004 ppm	-0.0001 ppm	0.0014 ppm
Concentration per Run 2	3.3284 ppm	0.0323 ppm	0.0009 ppm	6.4997 ppm	0.0003 ppm	0.0005 ppm	0.0023 ppm
Concentration per Run 3	3.3304 ppm	0.0321 ppm	0.0009 ppm	6.5030 ppm	0.0005 ppm	-0.0002 ppm	0.0019 ppm
Concentration RSD	0.2 %	0.9 %	8.5 %	0.6 %	21.0 %	402.2 %	24.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	13.3162 ppm	0.0001 ppm	0.0424 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0031 ppm	13.2910 ppm	0.0006 ppm	0.0421 ppm	0.0004 ppm	-0.0007 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	13.3083 ppm	-0.0002 ppm	0.0425 ppm	0.0006 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	13.3493 ppm	-0.0002 ppm	0.0424 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	129.6 %	0.2 %	548.7 %	0.5 %	31.4 %	1,122.8 %	45.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0155 ppm	104.7926 %	97.1282 %	95.2743 %	95.9459 %	96.6343 %	95.8596 %
Concentration per Run 1	0.0155 ppm	105.8354 %	97.1466 %	95.1088 %	96.9324 %	96.7601 %	95.9689 %
Concentration per Run 2	0.0154 ppm	104.2892 %	97.4301 %	95.3284 %	95.6837 %	96.7134 %	95.9575 %
Concentration per Run 3	0.0155 ppm	104.2531 %	96.8078 %	95.3857 %	95.2215 %	96.4295 %	95.6523 %
Concentration RSD	0.3 %	0.9 %	0.3 %	0.2 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-12 WG2082734
Analysis started at: 7/1/2025 4:31:06 PM
Comments <Comment>
Rack: 1
Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0079 ppm	-0.0004 ppm	0.0200 ppm	0.0387 ppm	0.0001 ppm	16.6514 ppm
Concentration per Run 1	0.0001 ppm	0.0049 ppm	0.0007 ppm	0.0201 ppm	0.0381 ppm	0.0000 ppm	16.3955 ppm
Concentration per Run 2	0.0002 ppm	0.0118 ppm	-0.0008 ppm	0.0199 ppm	0.0388 ppm	0.0001 ppm	16.7304 ppm
Concentration per Run 3	0.0001 ppm	0.0070 ppm	-0.0011 ppm	0.0199 ppm	0.0392 ppm	0.0001 ppm	16.8283 ppm
Concentration RSD	41.2 %	45.3 %	227.6 %	0.7 %	1.4 %	17.1 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0008 ppm	0.0102 ppm	2.3658 ppm	-0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0009 ppm	0.0098 ppm	2.3365 ppm	-0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0112 ppm	2.3811 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0007 ppm	0.0095 ppm	2.3799 ppm	-0.0003 ppm
Concentration RSD	21.1 %	1,313.1 %	27.0 %	11.2 %	9.1 %	1.1 %	75.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.4967 ppm	0.0009 ppm	0.0003 ppm	14.6349 ppm	0.0011 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 1	3.4974 ppm	0.0010 ppm	0.0003 ppm	14.4105 ppm	0.0011 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run 2	3.4919 ppm	0.0008 ppm	0.0004 ppm	14.6947 ppm	0.0013 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	3.5009 ppm	0.0008 ppm	0.0004 ppm	14.7994 ppm	0.0008 ppm	0.0003 ppm	0.0007 ppm
Concentration RSD	0.1 %	11.0 %	23.5 %	1.4 %	25.9 %	30.1 %	18.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	4.5159 ppm	-0.0001 ppm	0.0846 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0013 ppm	4.5118 ppm	0.0002 ppm	0.0833 ppm	0.0003 ppm	0.0018 ppm	0.0003 ppm
Concentration per Run 2	0.0020 ppm	4.5205 ppm	-0.0001 ppm	0.0849 ppm	0.0004 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	4.5155 ppm	-0.0003 ppm	0.0855 ppm	0.0003 ppm	-0.0013 ppm	0.0004 ppm
Concentration RSD	96.2 %	0.1 %	395.8 %	1.3 %	17.7 %	276.2 %	13.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	106.2200 %	95.9260 %	94.3797 %	97.1065 %	95.0711 %	94.6615 %
Concentration per Run 1	0.0010 ppm	107.5056 %	95.8963 %	94.4562 %	98.4493 %	95.2137 %	94.6449 %
Concentration per Run 2	0.0010 ppm	106.1949 %	95.9458 %	94.3640 %	97.0060 %	94.9777 %	94.5946 %
Concentration per Run 3	0.0010 ppm	104.9595 %	95.9359 %	94.3190 %	95.8641 %	95.0219 %	94.7451 %
Concentration RSD	3.9 %	1.2 %	0.0 %	0.1 %	1.3 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-3 WG2082734
Analysis started at: 7/1/2025 4:37:29 PM
Comments <Comment>
Rack: 1
Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0639 ppm	2.4038 ppm	0.1249 ppm	1.0580 ppm	2.3889 ppm	0.0590 ppm	27.4967 ppm
Concentration per Run 1	0.0638 ppm	2.3999 ppm	0.1237 ppm	1.0539 ppm	2.3757 ppm	0.0590 ppm	27.5405 ppm
Concentration per Run 2	0.0638 ppm	2.4021 ppm	0.1234 ppm	1.0589 ppm	2.3746 ppm	0.0590 ppm	27.4580 ppm
Concentration per Run 3	0.0642 ppm	2.4094 ppm	0.1277 ppm	1.0613 ppm	2.4163 ppm	0.0589 ppm	27.4916 ppm
Concentration RSD	0.3 %	0.2 %	1.9 %	0.4 %	1.0 %	0.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0529 ppm	0.5529 ppm	0.2259 ppm	0.2873 ppm	1.0793 ppm	13.0513 ppm	-0.0010 ppm
Concentration per Run 1	0.0528 ppm	0.5510 ppm	0.2251 ppm	0.2867 ppm	1.0820 ppm	13.0750 ppm	-0.0003 ppm
Concentration per Run 2	0.0530 ppm	0.5537 ppm	0.2266 ppm	0.2876 ppm	1.0762 ppm	13.0569 ppm	-0.0007 ppm
Concentration per Run 3	0.0528 ppm	0.5540 ppm	0.2261 ppm	0.2877 ppm	1.0798 ppm	13.0220 ppm	-0.0019 ppm
Concentration RSD	0.2 %	0.3 %	0.3 %	0.2 %	0.3 %	0.2 %	87.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.0035 ppm	0.5877 ppm	0.9770 ppm	26.7364 ppm	0.5583 ppm	0.5351 ppm	0.4616 ppm
Concentration per Run 1	13.9753 ppm	0.5881 ppm	0.9719 ppm	26.7628 ppm	0.5562 ppm	0.5337 ppm	0.4521 ppm
Concentration per Run 2	14.0267 ppm	0.5873 ppm	0.9775 ppm	26.6960 ppm	0.5593 ppm	0.5371 ppm	0.4639 ppm
Concentration per Run 3	14.0085 ppm	0.5875 ppm	0.9816 ppm	26.7503 ppm	0.5593 ppm	0.5344 ppm	0.4689 ppm
Concentration RSD	0.2 %	0.1 %	0.5 %	0.1 %	0.3 %	0.3 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1251 ppm	5.9192 ppm	0.9685 ppm	1.2273 ppm	1.0519 ppm	0.1200 ppm	0.5748 ppm
Concentration per Run 1	0.1254 ppm	5.8945 ppm	0.9640 ppm	1.2286 ppm	1.0493 ppm	0.1204 ppm	0.5747 ppm
Concentration per Run 2	0.1245 ppm	5.9276 ppm	0.9699 ppm	1.2258 ppm	1.0538 ppm	0.1200 ppm	0.5755 ppm
Concentration per Run 3	0.1255 ppm	5.9355 ppm	0.9716 ppm	1.2275 ppm	1.0527 ppm	0.1197 ppm	0.5742 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.1 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5596 ppm	103.7128 %	94.7400 %	93.0962 %	95.2960 %	93.2742 %	93.2738 %
Concentration per Run 1	0.5589 ppm	103.7796 %	94.7619 %	93.0760 %	95.1800 %	93.5152 %	93.3698 %
Concentration per Run 2	0.5618 ppm	103.6883 %	94.6515 %	93.1969 %	95.3078 %	93.1762 %	93.0828 %
Concentration per Run 3	0.5582 ppm	103.6704 %	94.8066 %	93.0158 %	95.4003 %	93.1312 %	93.3687 %
Concentration RSD	0.3 %	0.1 %	0.1 %	0.1 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-4 WG2082734
Analysis started at: 7/1/2025 4:43:40 PM
Comments <Comment>
Rack: 1
Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0641 ppm	2.4070 ppm	0.1258 ppm	1.0631 ppm	2.3972 ppm	0.0591 ppm	27.6416 ppm
Concentration per Run 1	0.0645 ppm	2.3860 ppm	0.1257 ppm	1.0634 ppm	2.3825 ppm	0.0588 ppm	27.5318 ppm
Concentration per Run 2	0.0639 ppm	2.4188 ppm	0.1238 ppm	1.0613 ppm	2.4032 ppm	0.0593 ppm	27.6981 ppm
Concentration per Run 3	0.0640 ppm	2.4163 ppm	0.1280 ppm	1.0646 ppm	2.4059 ppm	0.0593 ppm	27.6950 ppm
Concentration RSD	0.5 %	0.8 %	1.7 %	0.2 %	0.5 %	0.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0530 ppm	0.5547 ppm	0.2258 ppm	0.2881 ppm	1.0809 ppm	13.0880 ppm	0.0003 ppm
Concentration per Run 1	0.0530 ppm	0.5546 ppm	0.2257 ppm	0.2882 ppm	1.0760 ppm	13.0728 ppm	0.0014 ppm
Concentration per Run 2	0.0530 ppm	0.5537 ppm	0.2259 ppm	0.2879 ppm	1.0830 ppm	13.0895 ppm	0.0004 ppm
Concentration per Run 3	0.0531 ppm	0.5558 ppm	0.2257 ppm	0.2882 ppm	1.0835 ppm	13.1018 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.2 %	0.0 %	0.0 %	0.4 %	0.1 %	479.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.0720 ppm	0.5887 ppm	0.9890 ppm	26.9175 ppm	0.5606 ppm	0.5371 ppm	0.4864 ppm
Concentration per Run 1	14.0436 ppm	0.5871 ppm	0.9895 ppm	26.8493 ppm	0.5610 ppm	0.5373 ppm	0.4807 ppm
Concentration per Run 2	14.0692 ppm	0.5899 ppm	0.9866 ppm	26.9548 ppm	0.5600 ppm	0.5363 ppm	0.4851 ppm
Concentration per Run 3	14.1033 ppm	0.5891 ppm	0.9908 ppm	26.9485 ppm	0.5609 ppm	0.5377 ppm	0.4933 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.1 %	0.1 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1248 ppm	5.9577 ppm	0.9792 ppm	1.2286 ppm	1.0566 ppm	0.1209 ppm	0.5762 ppm
Concentration per Run 1	0.1246 ppm	5.9626 ppm	0.9798 ppm	1.2237 ppm	1.0563 ppm	0.1210 ppm	0.5753 ppm
Concentration per Run 2	0.1248 ppm	5.9445 ppm	0.9777 ppm	1.2315 ppm	1.0569 ppm	0.1218 ppm	0.5763 ppm
Concentration per Run 3	0.1249 ppm	5.9660 ppm	0.9801 ppm	1.2307 ppm	1.0566 ppm	0.1199 ppm	0.5771 ppm
Concentration RSD	0.1 %	0.2 %	0.1 %	0.4 %	0.0 %	0.8 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5612 ppm	103.7226 %	94.8340 %	93.0497 %	95.0953 %	93.0816 %	93.1592 %
Concentration per Run 1	0.5615 ppm	103.4890 %	94.8098 %	93.2375 %	95.0561 %	92.9324 %	93.1620 %
Concentration per Run 2	0.5599 ppm	104.0756 %	95.1032 %	93.0834 %	95.1609 %	93.2318 %	93.3417 %
Concentration per Run 3	0.5623 ppm	103.6031 %	94.5890 %	92.8282 %	95.0690 %	93.0804 %	92.9740 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.2 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-5 WG2082734
Analysis started at: 7/1/2025 4:54:44 PM
Comments <Comment>
Rack: 1
Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0580 ppm	2.1792 ppm	0.1180 ppm	0.9964 ppm	2.2048 ppm	0.0536 ppm	25.9708 ppm
Concentration per Run 1	0.0576 ppm	2.1583 ppm	0.1167 ppm	0.9934 ppm	2.1833 ppm	0.0529 ppm	25.6651 ppm
Concentration per Run 2	0.0583 ppm	2.1918 ppm	0.1186 ppm	0.9985 ppm	2.2158 ppm	0.0540 ppm	26.1870 ppm
Concentration per Run 3	0.0581 ppm	2.1875 ppm	0.1188 ppm	0.9974 ppm	2.2153 ppm	0.0540 ppm	26.0603 ppm
Concentration RSD	0.6 %	0.8 %	1.0 %	0.3 %	0.8 %	1.1 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0485 ppm	0.5077 ppm	0.2079 ppm	0.2638 ppm	0.9985 ppm	12.3368 ppm	-0.0002 ppm
Concentration per Run 1	0.0485 ppm	0.5066 ppm	0.2072 ppm	0.2635 ppm	0.9868 ppm	12.2345 ppm	0.0004 ppm
Concentration per Run 2	0.0486 ppm	0.5086 ppm	0.2083 ppm	0.2641 ppm	1.0038 ppm	12.3658 ppm	0.0000 ppm
Concentration per Run 3	0.0484 ppm	0.5078 ppm	0.2081 ppm	0.2637 ppm	1.0048 ppm	12.4100 ppm	-0.0009 ppm
Concentration RSD	0.2 %	0.2 %	0.3 %	0.1 %	1.0 %	0.7 %	375.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.1873 ppm	0.5321 ppm	0.9263 ppm	25.2260 ppm	0.5155 ppm	0.5012 ppm	0.3982 ppm
Concentration per Run 1	13.1517 ppm	0.5266 ppm	0.9217 ppm	24.9832 ppm	0.5134 ppm	0.5006 ppm	0.3828 ppm
Concentration per Run 2	13.2095 ppm	0.5357 ppm	0.9292 ppm	25.3510 ppm	0.5175 ppm	0.5026 ppm	0.3998 ppm
Concentration per Run 3	13.2008 ppm	0.5341 ppm	0.9280 ppm	25.3437 ppm	0.5157 ppm	0.5003 ppm	0.4121 ppm
Concentration RSD	0.2 %	0.9 %	0.4 %	0.8 %	0.4 %	0.2 %	3.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1158 ppm	5.3353 ppm	0.9367 ppm	1.1186 ppm	0.9892 ppm	0.1120 ppm	0.5304 ppm
Concentration per Run 1	0.1129 ppm	5.3165 ppm	0.9347 ppm	1.1087 ppm	0.9879 ppm	0.1129 ppm	0.5296 ppm
Concentration per Run 2	0.1185 ppm	5.3516 ppm	0.9374 ppm	1.1236 ppm	0.9897 ppm	0.1132 ppm	0.5306 ppm
Concentration per Run 3	0.1159 ppm	5.3379 ppm	0.9380 ppm	1.1233 ppm	0.9901 ppm	0.1098 ppm	0.5311 ppm
Concentration RSD	2.4 %	0.3 %	0.2 %	0.8 %	0.1 %	1.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5138 ppm	103.0091 %	95.4252 %	93.9025 %	96.5287 %	93.4535 %	93.8683 %
Concentration per Run 1	0.5134 ppm	104.2419 %	95.4101 %	93.9331 %	97.7896 %	93.6632 %	93.8327 %
Concentration per Run 2	0.5156 ppm	102.0923 %	95.3808 %	94.0184 %	95.4412 %	93.2904 %	93.8688 %
Concentration per Run 3	0.5123 ppm	102.6930 %	95.4848 %	93.7558 %	96.3552 %	93.4070 %	93.9033 %
Concentration RSD	0.3 %	1.1 %	0.1 %	0.1 %	1.2 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-6D5 WG2082734
Analysis started at: 7/1/2025 5:00:48 PM
Comments <Comment>
Rack: 1
Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0021 ppm	-0.0008 ppm	0.0065 ppm	0.0081 ppm	0.0000 ppm	3.4332 ppm
Concentration per Run 1	-0.0001 ppm	0.0033 ppm	-0.0015 ppm	0.0065 ppm	0.0080 ppm	0.0001 ppm	3.4422 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0067 ppm	0.0082 ppm	0.0000 ppm	3.4382 ppm
Concentration per Run 3	-0.0001 ppm	0.0035 ppm	-0.0009 ppm	0.0063 ppm	0.0081 ppm	0.0000 ppm	3.4193 ppm
Concentration RSD	353.7 %	100.9 %	88.2 %	2.9 %	1.5 %	73.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0043 ppm	0.5001 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0047 ppm	0.5022 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0041 ppm	0.4930 ppm	-0.0010 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0008 ppm	0.0041 ppm	0.5052 ppm	0.0015 ppm
Concentration RSD	73.4 %	123.9 %	90.1 %	17.2 %	8.3 %	1.3 %	758.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7064 ppm	0.0002 ppm	0.0063 ppm	2.9952 ppm	0.0004 ppm	-0.0002 ppm	0.0269 ppm
Concentration per Run 1	0.7096 ppm	0.0002 ppm	0.0069 ppm	2.9882 ppm	0.0003 ppm	-0.0006 ppm	0.0293 ppm
Concentration per Run 2	0.7046 ppm	0.0002 ppm	0.0062 ppm	3.0026 ppm	0.0003 ppm	0.0006 ppm	0.0270 ppm
Concentration per Run 3	0.7048 ppm	0.0003 ppm	0.0057 ppm	2.9948 ppm	0.0006 ppm	-0.0006 ppm	0.0244 ppm
Concentration RSD	0.4 %	34.4 %	9.2 %	0.2 %	48.1 %	392.2 %	9.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.8707 ppm	0.0071 ppm	0.0175 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0005 ppm	0.8680 ppm	0.0078 ppm	0.0174 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 2	0.0013 ppm	0.8713 ppm	0.0071 ppm	0.0176 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 3	0.0021 ppm	0.8728 ppm	0.0064 ppm	0.0174 ppm	0.0008 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	63.7 %	0.3 %	9.9 %	0.7 %	25.7 %	178.6 %	225.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.4337 %	96.9827 %	95.0832 %	94.3302 %	97.7680 %	95.1880 %
Concentration per Run 1	0.0004 ppm	103.4240 %	96.8111 %	94.9732 %	94.5135 %	98.0903 %	94.9971 %
Concentration per Run 2	0.0005 ppm	103.6514 %	96.9182 %	95.0934 %	94.1650 %	97.5842 %	95.1203 %
Concentration per Run 3	0.0004 ppm	103.2257 %	97.2187 %	95.1831 %	94.3121 %	97.6295 %	95.4465 %
Concentration RSD	6.1 %	0.2 %	0.2 %	0.1 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 5:07:10 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5494 ppm	0.5163 ppm	0.4843 ppm	0.5008 ppm	0.5279 ppm	0.5266 ppm	0.5194 ppm
Concentration per Run 1	0.5478 ppm	0.5277 ppm	0.4850 ppm	0.5002 ppm	0.5384 ppm	0.5366 ppm	0.5275 ppm
Concentration per Run 2	0.5508 ppm	0.5140 ppm	0.4834 ppm	0.5012 ppm	0.5246 ppm	0.5237 ppm	0.5157 ppm
Concentration per Run 3	0.5495 ppm	0.5072 ppm	0.4844 ppm	0.5010 ppm	0.5206 ppm	0.5196 ppm	0.5151 ppm
Recovery Percentage 1	109.872 %	103.265 %	96.855 %	100.165 %	105.572 %	105.324 %	103.887 %
Concentration RSD	0.3 %	2.0 %	0.2 %	0.1 %	1.8 %	1.7 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4908 ppm	0.5053 ppm	0.5054 ppm	0.5118 ppm	0.4886 ppm	5.1877 ppm	0.5516 ppm
Concentration per Run 1	0.4911 ppm	0.5053 ppm	0.5052 ppm	0.5111 ppm	0.4962 ppm	5.2602 ppm	0.5631 ppm
Concentration per Run 2	0.4901 ppm	0.5053 ppm	0.5055 ppm	0.5123 ppm	0.4854 ppm	5.1573 ppm	0.5481 ppm
Concentration per Run 3	0.4913 ppm	0.5053 ppm	0.5056 ppm	0.5118 ppm	0.4841 ppm	5.1456 ppm	0.5435 ppm
Recovery Percentage 1	98.169 %	101.058 %	101.087 %	102.352 %	97.714 %	103.754 %	110.316 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.1 %	1.4 %	1.2 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5201 ppm	0.5381 ppm	0.4911 ppm	10.9204 ppm	0.5051 ppm	0.5049 ppm	0.5357 ppm
Concentration per Run 1	0.5199 ppm	0.5477 ppm	0.4906 ppm	11.1236 ppm	0.5059 ppm	0.5041 ppm	0.5393 ppm
Concentration per Run 2	0.5225 ppm	0.5343 ppm	0.4903 ppm	10.8529 ppm	0.5039 ppm	0.5056 ppm	0.5350 ppm
Concentration per Run 3	0.5178 ppm	0.5323 ppm	0.4924 ppm	10.7846 ppm	0.5056 ppm	0.5051 ppm	0.5327 ppm
Recovery Percentage 1	104.012 %	107.618 %	98.223 %	109.204 %	101.026 %	100.984 %	107.131 %
Concentration RSD	0.4 %	1.6 %	0.2 %	1.6 %	0.2 %	0.2 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4877 ppm	5.5090 ppm	0.5035 ppm	0.5130 ppm	0.5123 ppm	0.5115 ppm	0.5078 ppm
Concentration per Run 1	0.4871 ppm	5.5066 ppm	0.5031 ppm	0.5224 ppm	0.5125 ppm	0.5119 ppm	0.5087 ppm
Concentration per Run 2	0.4889 ppm	5.5083 ppm	0.5047 ppm	0.5103 ppm	0.5117 ppm	0.5102 ppm	0.5078 ppm
Concentration per Run 3	0.4870 ppm	5.5122 ppm	0.5028 ppm	0.5065 ppm	0.5127 ppm	0.5123 ppm	0.5070 ppm
Recovery Percentage 1	97.536 %	104.934 %	100.703 %	102.609 %	102.463 %	102.296 %	101.563 %
Concentration RSD	0.2 %	0.1 %	0.2 %	1.6 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4991 ppm	100.1854 %	96.0058 %	94.5822 %	93.2009 %	95.3052 %	94.9381 %
Concentration per Run 1	0.4992 ppm	98.7702 %	95.8432 %	94.7394 %	91.7855 %	95.2609 %	94.7500 %
Concentration per Run 2	0.4985 ppm	100.1525 %	96.1116 %	94.5604 %	93.4210 %	95.3750 %	95.0517 %
Concentration per Run 3	0.4994 ppm	101.6336 %	96.0626 %	94.4468 %	94.3963 %	95.2798 %	95.0125 %
Recovery Percentage 1	99.812 %						
Concentration RSD	0.1 %	1.4 %	0.1 %	0.2 %	1.4 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 5:13:17 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0058 ppm	0.0003 ppm	0.0026 ppm	0.0001 ppm	0.0001 ppm	0.0108 ppm
Concentration per Run 1	0.0002 ppm	0.0008 ppm	0.0011 ppm	0.0028 ppm	0.0001 ppm	0.0001 ppm	0.0115 ppm
Concentration per Run 2	-0.0002 ppm	0.0079 ppm	-0.0011 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0099 ppm
Concentration per Run 3	-0.0001 ppm	0.0086 ppm	0.0010 ppm	0.0025 ppm	0.0001 ppm	0.0001 ppm	0.0111 ppm
Recovery Percentage 1	-0.994 %	5.785 %	6.960 %	8.535 %	0.762 %	1.670 %	10.832 %
Concentration RSD	303.2 %	74.2 %	357.4 %	7.8 %	27.8 %	48.5 %	7.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0017 ppm	0.0365 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0007 ppm	0.0018 ppm	0.0420 ppm	-0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	0.0379 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0007 ppm	0.0023 ppm	0.0296 ppm	-0.0002 ppm
Recovery Percentage 1	0.236 %	-0.750 %	-1.779 %	7.095 %	3.424 %	1.460 %	-4.367 %
Concentration RSD	119.5 %	33.7 %	93.1 %	3.7 %	37.2 %	17.3 %	156.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0025 ppm	0.0333 ppm	0.0002 ppm	0.0001 ppm	0.0024 ppm
Concentration per Run 1	0.0009 ppm	0.0001 ppm	0.0027 ppm	0.0330 ppm	0.0002 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 2	-0.0007 ppm	0.0001 ppm	0.0025 ppm	0.0314 ppm	0.0000 ppm	-0.0002 ppm	0.0030 ppm
Concentration per Run 3	-0.0008 ppm	0.0003 ppm	0.0021 ppm	0.0356 ppm	0.0003 ppm	0.0004 ppm	0.0023 ppm
Recovery Percentage 1	-0.220 %	1.614 %	4.917 %	1.667 %	0.652 %	0.773 %	4.859 %
Concentration RSD	432.6 %	77.7 %	13.0 %	6.2 %	99.8 %	407.6 %	23.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.0005 ppm	0.0012 ppm	0.0002 ppm	0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	0.0010 ppm	0.0011 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 2	0.0013 ppm	0.0010 ppm	0.0012 ppm	0.0002 ppm	0.0006 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 3	0.0029 ppm	-0.0003 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage 1	17.902 %	0.108 %	2.371 %	1.588 %	3.416 %	-3.682 %	1.916 %
Concentration RSD	51.9 %	142.2 %	12.4 %	21.9 %	78.6 %	136.3 %	25.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.0034 %	97.3195 %	95.4279 %	93.4778 %	96.5472 %	94.7367 %
Concentration per Run 1	0.0004 ppm	103.5129 %	97.3109 %	95.5863 %	93.6798 %	96.4326 %	94.8253 %
Concentration per Run 2	0.0003 ppm	103.1563 %	97.2987 %	95.3315 %	93.7401 %	96.6272 %	94.6232 %
Concentration per Run 3	0.0004 ppm	102.3409 %	97.3488 %	95.3657 %	93.0135 %	96.5819 %	94.7617 %
Recovery Percentage 1	7.647 %						
Concentration RSD	14.1 %	0.6 %	0.0 %	0.1 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: LDR 5 Sr
Analysis started at: 7/1/2025 5:24:25 PM
Comments <Comment>
Rack: 2
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0024 ppm	0.0008 ppm	0.0015 ppm	-0.0060 ppm	0.0000 ppm	0.0108 ppm
Concentration per Run 1	0.0005 ppm	0.0032 ppm	0.0005 ppm	0.0014 ppm	-0.0059 ppm	0.0000 ppm	0.0125 ppm
Concentration per Run 2	0.0002 ppm	0.0052 ppm	0.0001 ppm	0.0018 ppm	-0.0060 ppm	0.0000 ppm	0.0089 ppm
Concentration per Run 3	-0.0001 ppm	-0.0012 ppm	0.0019 ppm	0.0013 ppm	-0.0062 ppm	0.0000 ppm	0.0111 ppm
Concentration RSD	170.2 %	134.3 %	111.2 %	17.3 %	2.1 %	86.9 %	16.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0009 ppm	0.0227 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0250 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0020 ppm	0.0182 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	-0.0003 ppm	0.0250 ppm	-0.0010 ppm
Concentration RSD	157.9 %	173.0 %	87.1 %	19.9 %	120.7 %	17.3 %	51.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0224 ppm	0.0002 ppm	-0.0002 ppm	0.0015 ppm
Concentration per Run 1	0.0008 ppm	-0.0002 ppm	0.0006 ppm	0.0269 ppm	0.0002 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run 2	-0.0011 ppm	0.0001 ppm	0.0006 ppm	0.0225 ppm	0.0000 ppm	-0.0001 ppm	0.0014 ppm
Concentration per Run 3	-0.0012 ppm	0.0000 ppm	0.0005 ppm	0.0178 ppm	0.0002 ppm	-0.0006 ppm	0.0013 ppm
Concentration RSD	223.8 %	434.5 %	8.3 %	20.1 %	69.8 %	188.0 %	17.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	-0.0011 ppm	0.0005 ppm	4.9800 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0033 ppm	-0.0014 ppm	0.0006 ppm	4.9390 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	-0.0013 ppm	0.0002 ppm	4.9673 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0031 ppm	-0.0007 ppm	0.0006 ppm	5.0338 ppm	0.0001 ppm	0.0017 ppm	0.0001 ppm
Concentration RSD	72.3 %	31.8 %	46.4 %	1.0 %	138.2 %	60.5 %	54.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	104.2485 %	97.3414 %	95.4388 %	94.2192 %	96.7764 %	94.1319 %
Concentration per Run 1	0.0010 ppm	104.9398 %	97.0750 %	95.5015 %	94.6106 %	96.8067 %	93.8641 %
Concentration per Run 2	0.0010 ppm	104.6642 %	97.5040 %	95.5474 %	94.4744 %	96.8356 %	94.2736 %
Concentration per Run 3	0.0011 ppm	103.1415 %	97.4453 %	95.2676 %	93.5725 %	96.6868 %	94.2580 %
Concentration RSD	5.2 %	0.9 %	0.2 %	0.2 %	0.6 %	0.1 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-13 WG2082734
Analysis started at: 7/1/2025 5:35:46 PM
Comments <Comment>
Rack: 1
Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0147 ppm	0.0000 ppm	0.0213 ppm	0.0221 ppm	0.0000 ppm	25.6769 ppm
Concentration per Run 1	-0.0004 ppm	0.0088 ppm	-0.0003 ppm	0.0212 ppm	0.0218 ppm	0.0001 ppm	25.4122 ppm
Concentration per Run 2	0.0000 ppm	0.0185 ppm	-0.0011 ppm	0.0214 ppm	0.0222 ppm	0.0000 ppm	25.8300 ppm
Concentration per Run 3	0.0002 ppm	0.0169 ppm	0.0015 ppm	0.0211 ppm	0.0222 ppm	0.0000 ppm	25.7884 ppm
Concentration RSD	548.4 %	35.4 %	5,450.0 %	0.8 %	0.9 %	92.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0103 ppm	0.0104 ppm	2.0198 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0103 ppm	0.0102 ppm	2.0200 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0104 ppm	0.0106 ppm	2.0288 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0104 ppm	0.0103 ppm	2.0106 ppm	-0.0005 ppm
Concentration RSD	25.7 %	196.6 %	60.3 %	0.5 %	1.7 %	0.5 %	262.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9538 ppm	0.0017 ppm	0.0007 ppm	11.7607 ppm	0.0019 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 1	4.9595 ppm	0.0017 ppm	0.0008 ppm	11.6294 ppm	0.0022 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 2	4.9550 ppm	0.0019 ppm	0.0006 ppm	11.8584 ppm	0.0018 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 3	4.9471 ppm	0.0015 ppm	0.0007 ppm	11.7944 ppm	0.0016 ppm	0.0002 ppm	-0.0008 ppm
Concentration RSD	0.1 %	11.0 %	14.4 %	1.0 %	14.1 %	442.8 %	131.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	2.4100 ppm	0.0002 ppm	0.0717 ppm	0.0003 ppm	0.0008 ppm	0.0008 ppm
Concentration per Run 1	0.0032 ppm	2.4099 ppm	0.0005 ppm	0.0712 ppm	0.0003 ppm	-0.0009 ppm	0.0009 ppm
Concentration per Run 2	-0.0005 ppm	2.4065 ppm	-0.0001 ppm	0.0718 ppm	0.0004 ppm	0.0025 ppm	0.0007 ppm
Concentration per Run 3	0.0024 ppm	2.4137 ppm	0.0002 ppm	0.0719 ppm	0.0002 ppm	0.0008 ppm	0.0007 ppm
Concentration RSD	117.1 %	0.1 %	126.4 %	0.5 %	35.3 %	212.4 %	17.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0184 ppm	104.2860 %	95.6530 %	93.4187 %	96.4265 %	94.8338 %	94.2572 %
Concentration per Run 1	0.0183 ppm	104.7738 %	95.6714 %	93.5234 %	97.3611 %	94.8579 %	94.2366 %
Concentration per Run 2	0.0185 ppm	104.4013 %	95.5963 %	93.5364 %	96.0999 %	94.8760 %	94.2467 %
Concentration per Run 3	0.0183 ppm	103.6830 %	95.6914 %	93.1964 %	95.8184 %	94.7675 %	94.2882 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.2 %	0.9 %	0.1 %	0.0 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-14 WG2082734
Analysis started at: 7/1/2025 5:42:09 PM
Comments <Comment>
Rack: 1
Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0117 ppm	0.0001 ppm	0.0183 ppm	0.0464 ppm	0.0000 ppm	25.8684 ppm
Concentration per Run 1	-0.0003 ppm	0.0103 ppm	0.0014 ppm	0.0183 ppm	0.0459 ppm	0.0000 ppm	25.5601 ppm
Concentration per Run 2	-0.0004 ppm	0.0073 ppm	-0.0001 ppm	0.0182 ppm	0.0466 ppm	0.0000 ppm	26.0682 ppm
Concentration per Run 3	-0.0001 ppm	0.0175 ppm	-0.0010 ppm	0.0185 ppm	0.0468 ppm	0.0000 ppm	25.9768 ppm
Concentration RSD	57.8 %	44.7 %	1,227.4 %	0.8 %	1.1 %	69.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0029 ppm	0.0182 ppm	0.9707 ppm	0.0008 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0029 ppm	0.0182 ppm	0.9403 ppm	0.0013 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0013 ppm	0.0028 ppm	0.0188 ppm	0.9906 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0016 ppm	0.0029 ppm	0.0177 ppm	0.9812 ppm	0.0003 ppm
Concentration RSD	20.4 %	62.8 %	26.2 %	2.9 %	2.9 %	2.8 %	65.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2221 ppm	0.0031 ppm	0.0002 ppm	10.2700 ppm	0.0011 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 1	6.2322 ppm	0.0028 ppm	0.0001 ppm	10.1369 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	6.2274 ppm	0.0032 ppm	0.0002 ppm	10.3446 ppm	0.0009 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 3	6.2067 ppm	0.0033 ppm	0.0002 ppm	10.3286 ppm	0.0012 ppm	-0.0008 ppm	-0.0010 ppm
Concentration RSD	0.2 %	8.7 %	17.5 %	1.1 %	13.0 %	93.2 %	514.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	3.3350 ppm	-0.0002 ppm	0.0867 ppm	0.0005 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0033 ppm	3.3293 ppm	-0.0003 ppm	0.0857 ppm	0.0002 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0028 ppm	3.3416 ppm	0.0000 ppm	0.0872 ppm	0.0006 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0021 ppm	3.3342 ppm	-0.0004 ppm	0.0871 ppm	0.0005 ppm	-0.0009 ppm	0.0001 ppm
Concentration RSD	21.3 %	0.2 %	98.3 %	0.9 %	46.4 %	293.8 %	15.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0036 ppm	103.6519 %	95.8855 %	93.5975 %	96.4903 %	94.6596 %	94.9065 %
Concentration per Run 1	0.0036 ppm	104.5153 %	95.7994 %	93.7067 %	97.4903 %	94.6855 %	94.8606 %
Concentration per Run 2	0.0036 ppm	102.9215 %	95.9429 %	93.5633 %	95.6695 %	94.5151 %	94.8660 %
Concentration per Run 3	0.0036 ppm	103.5191 %	95.9142 %	93.5223 %	96.3111 %	94.7781 %	94.9930 %
Concentration RSD	0.8 %	0.8 %	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-15 WG2082734
Analysis started at: 7/1/2025 5:48:32 PM
Comments <Comment>
Rack: 2
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0127 ppm	0.0001 ppm	0.0481 ppm	0.0242 ppm	0.0000 ppm	29.4750 ppm
Concentration per Run 1	0.0001 ppm	0.0168 ppm	0.0013 ppm	0.0482 ppm	0.0240 ppm	0.0000 ppm	29.1779 ppm
Concentration per Run 2	0.0007 ppm	0.0115 ppm	0.0003 ppm	0.0476 ppm	0.0245 ppm	0.0000 ppm	29.6396 ppm
Concentration per Run 3	-0.0001 ppm	0.0100 ppm	-0.0013 ppm	0.0487 ppm	0.0241 ppm	0.0000 ppm	29.6075 ppm
Concentration RSD	181.2 %	28.1 %	1,598.6 %	1.2 %	1.0 %	115.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm	0.0476 ppm	1.5673 ppm	-0.0004 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0013 ppm	0.0469 ppm	1.5664 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0010 ppm	0.0479 ppm	1.5676 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0011 ppm	0.0480 ppm	1.5678 ppm	-0.0001 ppm
Concentration RSD	28.9 %	64.7 %	24.7 %	14.3 %	1.2 %	0.1 %	137.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.7561 ppm	0.0555 ppm	0.0001 ppm	10.7946 ppm	0.0007 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	7.7497 ppm	0.0549 ppm	0.0001 ppm	10.6883 ppm	0.0007 ppm	0.0003 ppm	-0.0007 ppm
Concentration per Run 2	7.7650 ppm	0.0561 ppm	0.0002 ppm	10.8705 ppm	0.0008 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run 3	7.7537 ppm	0.0556 ppm	0.0001 ppm	10.8250 ppm	0.0005 ppm	-0.0001 ppm	-0.0008 ppm
Concentration RSD	0.1 %	1.0 %	24.9 %	0.9 %	19.6 %	1,867.1 %	21.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.6985 ppm	-0.0002 ppm	0.0876 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0004 ppm	4.7096 ppm	-0.0001 ppm	0.0869 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 2	-0.0015 ppm	4.6800 ppm	0.0001 ppm	0.0880 ppm	0.0002 ppm	-0.0015 ppm	0.0005 ppm
Concentration per Run 3	0.0018 ppm	4.7058 ppm	-0.0008 ppm	0.0880 ppm	0.0000 ppm	0.0009 ppm	0.0006 ppm
Concentration RSD	695.9 %	0.3 %	199.4 %	0.7 %	95.0 %	1,675.8 %	45.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0021 ppm	104.4603 %	95.5797 %	93.8160 %	96.6536 %	94.3993 %	94.3120 %
Concentration per Run 1	0.0021 ppm	105.4771 %	95.7246 %	93.8628 %	97.7670 %	94.3222 %	94.3999 %
Concentration per Run 2	0.0019 ppm	103.6834 %	95.3719 %	93.8148 %	95.7037 %	94.5584 %	94.1716 %
Concentration per Run 3	0.0021 ppm	104.2205 %	95.6426 %	93.7703 %	96.4901 %	94.3171 %	94.3645 %
Concentration RSD	5.3 %	0.9 %	0.2 %	0.0 %	1.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-16 WG2082734
Analysis started at: 7/1/2025 5:54:54 PM
Comments <Comment>
Rack: 2
Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0092 ppm	0.0017 ppm	0.0124 ppm	0.0230 ppm	0.0000 ppm	25.0744 ppm
Concentration per Run 1	0.0001 ppm	0.0087 ppm	0.0014 ppm	0.0124 ppm	0.0231 ppm	0.0000 ppm	25.0824 ppm
Concentration per Run 2	0.0000 ppm	0.0133 ppm	0.0025 ppm	0.0123 ppm	0.0230 ppm	0.0000 ppm	25.0887 ppm
Concentration per Run 3	-0.0005 ppm	0.0055 ppm	0.0011 ppm	0.0127 ppm	0.0230 ppm	0.0000 ppm	25.0522 ppm
Concentration RSD	232.4 %	42.8 %	43.7 %	1.6 %	0.3 %	91.6 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0016 ppm	0.0156 ppm	1.5432 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	0.0156 ppm	1.5515 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0016 ppm	0.0158 ppm	1.5259 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0015 ppm	0.0153 ppm	1.5522 ppm	0.0011 ppm
Concentration RSD	7.4 %	87.1 %	11.0 %	4.2 %	1.4 %	1.0 %	84.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.1952 ppm	0.0032 ppm	0.0001 ppm	9.7490 ppm	0.0018 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 1	5.1917 ppm	0.0030 ppm	0.0001 ppm	9.7569 ppm	0.0018 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 2	5.1952 ppm	0.0032 ppm	0.0002 ppm	9.7189 ppm	0.0018 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 3	5.1986 ppm	0.0033 ppm	0.0001 ppm	9.7713 ppm	0.0017 ppm	-0.0001 ppm	-0.0011 ppm
Concentration RSD	0.1 %	3.4 %	39.3 %	0.3 %	4.4 %	76.8 %	244.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	2.8495 ppm	-0.0004 ppm	0.0691 ppm	0.0004 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run 1	0.0026 ppm	2.8520 ppm	-0.0005 ppm	0.0690 ppm	0.0002 ppm	-0.0016 ppm	0.0009 ppm
Concentration per Run 2	-0.0012 ppm	2.8388 ppm	-0.0004 ppm	0.0690 ppm	0.0004 ppm	0.0025 ppm	0.0006 ppm
Concentration per Run 3	0.0025 ppm	2.8576 ppm	-0.0004 ppm	0.0694 ppm	0.0005 ppm	0.0001 ppm	0.0008 ppm
Concentration RSD	163.2 %	0.3 %	17.3 %	0.3 %	31.7 %	630.3 %	23.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	103.7995 %	96.4929 %	94.5434 %	96.7065 %	94.5994 %	95.0386 %
Concentration per Run 1	0.0025 ppm	103.9251 %	96.5789 %	94.5315 %	96.8492 %	94.5214 %	95.2469 %
Concentration per Run 2	0.0025 ppm	103.3345 %	96.5287 %	94.5045 %	96.3666 %	94.7636 %	94.9852 %
Concentration per Run 3	0.0024 ppm	104.1389 %	96.3712 %	94.5943 %	96.9038 %	94.5132 %	94.8835 %
Concentration RSD	1.7 %	0.4 %	0.1 %	0.0 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-08 WG2082734
Analysis started at: 7/1/2025 6:01:15 PM
Comments <Comment>
Rack: 1
Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0117 ppm	-0.0009 ppm	0.0138 ppm	0.0015 ppm	0.0000 ppm	33.0978 ppm
Concentration per Run 1	0.0000 ppm	0.0094 ppm	-0.0018 ppm	0.0140 ppm	0.0015 ppm	0.0000 ppm	33.5498 ppm
Concentration per Run 2	-0.0005 ppm	0.0160 ppm	-0.0009 ppm	0.0134 ppm	0.0014 ppm	0.0000 ppm	32.9950 ppm
Concentration per Run 3	-0.0003 ppm	0.0097 ppm	-0.0002 ppm	0.0140 ppm	0.0015 ppm	0.0000 ppm	32.7485 ppm
Concentration RSD	96.0 %	31.4 %	84.5 %	2.5 %	3.7 %	533.2 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0558 ppm	1.6576 ppm	0.0031 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0008 ppm	0.0581 ppm	1.6596 ppm	0.0025 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0557 ppm	1.6405 ppm	0.0028 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0009 ppm	0.0537 ppm	1.6728 ppm	0.0041 ppm
Concentration RSD	14.3 %	47.0 %	23.8 %	15.7 %	3.9 %	1.0 %	26.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0981 ppm	0.0786 ppm	0.0001 ppm	9.1981 ppm	-0.0005 ppm	0.0004 ppm	-0.0009 ppm
Concentration per Run 1	4.0919 ppm	0.0796 ppm	0.0000 ppm	9.2996 ppm	-0.0004 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run 2	4.0913 ppm	0.0787 ppm	0.0002 ppm	9.1872 ppm	-0.0006 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 3	4.1111 ppm	0.0774 ppm	0.0003 ppm	9.1073 ppm	-0.0005 ppm	0.0009 ppm	-0.0011 ppm
Concentration RSD	0.3 %	1.4 %	113.5 %	1.1 %	19.2 %	135.3 %	51.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	**22.6210 [SIC 200]**	-0.0001 ppm	0.1644 ppm	0.0003 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	22.6481 ppm	0.0005 ppm	0.1667 ppm	0.0004 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 2	-0.0011 ppm	22.5761 ppm	-0.0004 ppm	0.1638 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	-0.0010 ppm	22.6388 ppm	-0.0004 ppm	0.1627 ppm	0.0004 ppm	-0.0002 ppm	0.0004 ppm
Concentration RSD	84.2 %	0.2 %	404.3 %	1.3 %	42.4 %	102.7 %	85.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	102.2384 %	96.9214 %	94.8624 %	94.3207 %	94.4054 %	95.1878 %
Concentration per Run 1	0.0004 ppm	100.7709 %	96.8339 %	94.8784 %	93.2680 %	94.2830 %	95.2729 %
Concentration per Run 2	0.0004 ppm	103.1826 %	97.1133 %	95.1013 %	94.9845 %	94.6251 %	95.3522 %
Concentration per Run 3	0.0004 ppm	102.7617 %	96.8170 %	94.6074 %	94.7096 %	94.3081 %	94.9384 %
Concentration RSD	1.6 %	1.3 %	0.2 %	0.3 %	1.0 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-7 WG2082734
Analysis started at: 7/1/2025 6:07:37 PM
Comments <Comment>
Rack: 1
Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0615 ppm	2.3114 ppm	0.1255 ppm	1.0517 ppm	2.2898 ppm	0.0568 ppm	41.2168 ppm
Concentration per Run 1	0.0614 ppm	2.2759 ppm	0.1245 ppm	1.0490 ppm	2.2529 ppm	0.0558 ppm	40.5513 ppm
Concentration per Run 2	0.0613 ppm	2.3216 ppm	0.1259 ppm	1.0512 ppm	2.3027 ppm	0.0573 ppm	41.4768 ppm
Concentration per Run 3	0.0618 ppm	2.3366 ppm	0.1259 ppm	1.0548 ppm	2.3139 ppm	0.0575 ppm	41.6224 ppm
Concentration RSD	0.4 %	1.4 %	0.7 %	0.3 %	1.4 %	1.6 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0511 ppm	0.5353 ppm	0.2169 ppm	0.2816 ppm	1.0757 ppm	11.9574 ppm	0.0038 ppm
Concentration per Run 1	0.0511 ppm	0.5350 ppm	0.2166 ppm	0.2811 ppm	1.0649 ppm	11.7919 ppm	0.0039 ppm
Concentration per Run 2	0.0511 ppm	0.5354 ppm	0.2172 ppm	0.2820 ppm	1.0800 ppm	12.0492 ppm	0.0049 ppm
Concentration per Run 3	0.0511 ppm	0.5354 ppm	0.2170 ppm	0.2816 ppm	1.0821 ppm	12.0312 ppm	0.0026 ppm
Concentration RSD	0.0 %	0.0 %	0.1 %	0.2 %	0.9 %	1.2 %	30.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3659 ppm	0.6330 ppm	0.9801 ppm	20.1876 ppm	0.5425 ppm	0.5331 ppm	0.4500 ppm
Concentration per Run 1	14.3231 ppm	0.6216 ppm	0.9767 ppm	19.8434 ppm	0.5422 ppm	0.5329 ppm	0.4425 ppm
Concentration per Run 2	14.3837 ppm	0.6366 ppm	0.9797 ppm	20.3262 ppm	0.5428 ppm	0.5326 ppm	0.4486 ppm
Concentration per Run 3	14.3910 ppm	0.6407 ppm	0.9839 ppm	20.3934 ppm	0.5424 ppm	0.5340 ppm	0.4590 ppm
Concentration RSD	0.3 %	1.6 %	0.4 %	1.5 %	0.0 %	0.1 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1239 ppm	23.5146 [SIC 200]	0.9696 ppm	1.1597 ppm	1.0443 ppm	0.1211 ppm	0.5570 ppm
Concentration per Run 1	0.1243 ppm	23.4854 ppm	0.9687 ppm	1.1454 ppm	1.0426 ppm	0.1201 ppm	0.5565 ppm
Concentration per Run 2	0.1242 ppm	23.5013 ppm	0.9702 ppm	1.1673 ppm	1.0446 ppm	0.1227 ppm	0.5570 ppm
Concentration per Run 3	0.1232 ppm	23.5570 ppm	0.9698 ppm	1.1665 ppm	1.0455 ppm	0.1206 ppm	0.5574 ppm
Concentration RSD	0.5 %	0.2 %	0.1 %	1.1 %	0.1 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5404 ppm	104.6487 %	95.3980 %	93.7560 %	96.3248 %	92.9338 %	93.8330 %
Concentration per Run 1	0.5414 ppm	106.1813 %	95.6333 %	93.9229 %	98.1344 %	93.0065 %	94.0011 %
Concentration per Run 2	0.5400 ppm	104.0012 %	95.3459 %	93.7428 %	95.7098 %	93.0340 %	93.7399 %
Concentration per Run 3	0.5399 ppm	103.7635 %	95.2148 %	93.6023 %	95.1301 %	92.7608 %	93.7580 %
Concentration RSD	0.2 %	1.3 %	0.2 %	0.2 %	1.7 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-8 WG2082734
Analysis started at: 7/1/2025 6:13:45 PM
Comments <Comment>
Rack: 1
Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0123 ppm	-0.0002 ppm	0.0142 ppm	0.0014 ppm	0.0000 ppm	31.3584 ppm
Concentration per Run 1	-0.0002 ppm	0.0173 ppm	-0.0004 ppm	0.0141 ppm	0.0014 ppm	0.0000 ppm	31.1977 ppm
Concentration per Run 2	-0.0002 ppm	0.0075 ppm	0.0002 ppm	0.0145 ppm	0.0015 ppm	0.0000 ppm	31.5549 ppm
Concentration per Run 3	-0.0001 ppm	0.0122 ppm	-0.0005 ppm	0.0140 ppm	0.0014 ppm	0.0000 ppm	31.3227 ppm
Concentration RSD	56.8 %	39.7 %	173.6 %	2.0 %	5.1 %	109.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0525 ppm	1.5455 ppm	0.0036 ppm
Concentration per Run 1	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0007 ppm	0.0532 ppm	1.5313 ppm	0.0039 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0010 ppm	0.0520 ppm	1.5471 ppm	0.0030 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0011 ppm	0.0521 ppm	1.5581 ppm	0.0040 ppm
Concentration RSD	24.7 %	29.8 %	469.4 %	20.9 %	1.2 %	0.9 %	14.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.9937 ppm	0.0754 ppm	0.0055 ppm	8.7965 ppm	-0.0006 ppm	0.0000 ppm	0.0112 ppm
Concentration per Run 1	3.9925 ppm	0.0751 ppm	0.0062 ppm	8.7613 ppm	-0.0006 ppm	0.0001 ppm	0.0131 ppm
Concentration per Run 2	3.9964 ppm	0.0757 ppm	0.0054 ppm	8.8213 ppm	-0.0006 ppm	0.0002 ppm	0.0113 ppm
Concentration per Run 3	3.9921 ppm	0.0755 ppm	0.0050 ppm	8.8068 ppm	-0.0005 ppm	-0.0003 ppm	0.0093 ppm
Concentration RSD	0.1 %	0.5 %	10.8 %	0.4 %	16.8 %	1,861.9 %	16.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	**21.9745 [SIC 200]**	0.0045 ppm	0.1571 ppm	0.0007 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0027 ppm	21.9022 ppm	0.0047 ppm	0.1568 ppm	0.0008 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	22.0168 ppm	0.0049 ppm	0.1571 ppm	0.0007 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 3	0.0030 ppm	22.0044 ppm	0.0039 ppm	0.1576 ppm	0.0005 ppm	0.0010 ppm	0.0002 ppm
Concentration RSD	75.4 %	0.3 %	11.5 %	0.3 %	23.2 %	1,006.1 %	79.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	104.7844 %	96.4081 %	94.6348 %	95.7423 %	94.3410 %	94.6292 %
Concentration per Run 1	0.0003 ppm	105.7054 %	96.3518 %	94.5765 %	96.5717 %	94.6127 %	94.5626 %
Concentration per Run 2	0.0005 ppm	103.9253 %	96.5047 %	94.6975 %	94.7808 %	94.0653 %	94.7005 %
Concentration per Run 3	0.0005 ppm	104.7227 %	96.3677 %	94.6305 %	95.8743 %	94.3451 %	94.6245 %
Concentration RSD	15.7 %	0.9 %	0.1 %	0.1 %	0.9 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-9 WG2082734
Analysis started at: 7/1/2025 6:20:07 PM
Comments <Comment>
Rack: 1
Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0227 ppm	-0.0008 ppm	0.0199 ppm	0.0138 ppm	0.0003 ppm	32.0529 ppm
Concentration per Run 1	0.0001 ppm	0.0170 ppm	-0.0003 ppm	0.0197 ppm	0.0138 ppm	0.0003 ppm	31.7987 ppm
Concentration per Run 2	0.0003 ppm	0.0298 ppm	-0.0018 ppm	0.0199 ppm	0.0139 ppm	0.0004 ppm	32.2292 ppm
Concentration per Run 3	0.0004 ppm	0.0214 ppm	-0.0002 ppm	0.0200 ppm	0.0139 ppm	0.0003 ppm	32.1307 ppm
Concentration RSD	50.0 %	28.6 %	120.3 %	0.7 %	0.4 %	7.6 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0028 ppm	0.0016 ppm	0.0025 ppm	0.0598 ppm	1.6457 ppm	0.0041 ppm
Concentration per Run 1	0.0001 ppm	0.0028 ppm	0.0017 ppm	0.0026 ppm	0.0603 ppm	1.6459 ppm	0.0046 ppm
Concentration per Run 2	0.0002 ppm	0.0028 ppm	0.0015 ppm	0.0025 ppm	0.0586 ppm	1.6583 ppm	0.0046 ppm
Concentration per Run 3	0.0002 ppm	0.0029 ppm	0.0015 ppm	0.0024 ppm	0.0607 ppm	1.6330 ppm	0.0030 ppm
Concentration RSD	13.1 %	2.1 %	6.6 %	2.9 %	1.9 %	0.8 %	21.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1491 ppm	0.0796 ppm	0.0072 ppm	9.0235 ppm	0.0026 ppm	0.0025 ppm	0.0056 ppm
Concentration per Run 1	4.1613 ppm	0.0793 ppm	0.0071 ppm	8.9392 ppm	0.0025 ppm	0.0028 ppm	0.0075 ppm
Concentration per Run 2	4.1298 ppm	0.0795 ppm	0.0073 ppm	9.0641 ppm	0.0027 ppm	0.0019 ppm	0.0046 ppm
Concentration per Run 3	4.1561 ppm	0.0799 ppm	0.0070 ppm	9.0671 ppm	0.0027 ppm	0.0029 ppm	0.0047 ppm
Concentration RSD	0.4 %	0.4 %	2.0 %	0.8 %	4.0 %	22.7 %	29.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	**22.4547 [SIC 200]**	0.0069 ppm	0.1656 ppm	0.0063 ppm	-0.0001 ppm	0.0033 ppm
Concentration per Run 1	-0.0005 ppm	22.4412 ppm	0.0074 ppm	0.1648 ppm	0.0065 ppm	-0.0014 ppm	0.0034 ppm
Concentration per Run 2	0.0022 ppm	22.5125 ppm	0.0067 ppm	0.1660 ppm	0.0062 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run 3	0.0024 ppm	22.4106 ppm	0.0066 ppm	0.1660 ppm	0.0062 ppm	0.0011 ppm	0.0034 ppm
Concentration RSD	115.6 %	0.2 %	5.9 %	0.4 %	2.8 %	1,807.3 %	6.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	105.1634 %	96.3646 %	94.7278 %	96.1988 %	94.6556 %	94.7945 %
Concentration per Run 1	0.0036 ppm	105.6306 %	96.5879 %	94.8341 %	97.1480 %	94.7099 %	94.7884 %
Concentration per Run 2	0.0034 ppm	104.5511 %	96.4297 %	94.6922 %	95.4588 %	94.3522 %	95.0337 %
Concentration per Run 3	0.0035 ppm	105.3085 %	96.0761 %	94.6571 %	95.9896 %	94.9046 %	94.5613 %
Concentration RSD	3.2 %	0.5 %	0.3 %	0.1 %	0.9 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-10D5 WG2082734
Analysis started at: 7/1/2025 6:26:28 PM
Comments <Comment>
Rack: 1
Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0049 ppm	0.0003 ppm	0.0035 ppm	0.0005 ppm	0.0001 ppm	6.5961 ppm
Concentration per Run 1	-0.0003 ppm	0.0071 ppm	0.0002 ppm	0.0035 ppm	0.0005 ppm	0.0001 ppm	6.6731 ppm
Concentration per Run 2	0.0002 ppm	0.0017 ppm	0.0001 ppm	0.0034 ppm	0.0006 ppm	0.0000 ppm	6.5793 ppm
Concentration per Run 3	-0.0004 ppm	0.0058 ppm	0.0006 ppm	0.0035 ppm	0.0005 ppm	0.0001 ppm	6.5359 ppm
Concentration RSD	206.9 %	58.0 %	87.6 %	2.5 %	12.3 %	16.8 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm	0.0117 ppm	0.3252 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0007 ppm	0.0117 ppm	0.3173 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0111 ppm	0.3407 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0123 ppm	0.3177 ppm	0.0014 ppm
Concentration RSD	29.3 %	44.1 %	281.4 %	13.4 %	4.8 %	4.1 %	354.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.8436 ppm	0.0159 ppm	0.0008 ppm	1.8940 ppm	0.0001 ppm	-0.0003 ppm	0.0029 ppm
Concentration per Run 1	0.8416 ppm	0.0159 ppm	0.0007 ppm	1.9119 ppm	0.0001 ppm	-0.0006 ppm	0.0024 ppm
Concentration per Run 2	0.8440 ppm	0.0158 ppm	0.0007 ppm	1.8875 ppm	0.0000 ppm	-0.0003 ppm	0.0023 ppm
Concentration per Run 3	0.8451 ppm	0.0158 ppm	0.0009 ppm	1.8825 ppm	0.0001 ppm	-0.0001 ppm	0.0039 ppm
Concentration RSD	0.2 %	0.3 %	13.4 %	0.8 %	48.1 %	75.3 %	31.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.3451 ppm	0.0008 ppm	0.0332 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	4.3313 ppm	0.0009 ppm	0.0337 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0014 ppm	4.3451 ppm	0.0008 ppm	0.0331 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	4.3588 ppm	0.0008 ppm	0.0329 ppm	0.0003 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	730.1 %	0.3 %	7.6 %	1.2 %	51.0 %	291.7 %	115.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.3250 %	97.9107 %	96.1336 %	93.9047 %	98.0646 %	96.1840 %
Concentration per Run 1	0.0004 ppm	102.8293 %	98.0493 %	96.2436 %	93.1385 %	98.2990 %	96.1942 %
Concentration per Run 2	0.0002 ppm	103.7612 %	97.6750 %	96.0627 %	93.9703 %	98.0044 %	96.0864 %
Concentration per Run 3	0.0004 ppm	103.3845 %	98.0077 %	96.0944 %	94.6053 %	97.8904 %	96.2715 %
Concentration RSD	32.9 %	0.5 %	0.2 %	0.1 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 6:32:50 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5513 ppm	0.4833 ppm	0.4832 ppm	0.4978 ppm	0.4915 ppm	0.4947 ppm	0.4814 ppm
Concentration per Run 1	0.5522 ppm	0.4623 ppm	0.4831 ppm	0.4966 ppm	0.4665 ppm	0.4701 ppm	0.4559 ppm
Concentration per Run 2	0.5521 ppm	0.4833 ppm	0.4830 ppm	0.4986 ppm	0.4997 ppm	0.5036 ppm	0.4922 ppm
Concentration per Run 3	0.5496 ppm	0.5041 ppm	0.4835 ppm	0.4981 ppm	0.5083 ppm	0.5104 ppm	0.4961 ppm
Recovery Percentage 1	110.258 %	96.654 %	96.644 %	99.553 %	98.300 %	98.942 %	96.281 %
Concentration RSD	0.3 %	4.3 %	0.1 %	0.2 %	4.5 %	4.4 %	4.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4892 ppm	0.5029 ppm	0.5066 ppm	0.5128 ppm	0.4492 ppm	4.8334 ppm	0.5184 ppm
Concentration per Run 1	0.4892 ppm	0.5023 ppm	0.5071 ppm	0.5136 ppm	0.4266 ppm	4.5659 ppm	0.4925 ppm
Concentration per Run 2	0.4890 ppm	0.5029 ppm	0.5088 ppm	0.5143 ppm	0.4551 ppm	4.9240 ppm	0.5276 ppm
Concentration per Run 3	0.4894 ppm	0.5037 ppm	0.5040 ppm	0.5105 ppm	0.4658 ppm	5.0102 ppm	0.5350 ppm
Recovery Percentage 1	97.839 %	100.586 %	101.325 %	102.564 %	89.837 %	96.667 %	103.679 %
Concentration RSD	0.0 %	0.1 %	0.5 %	0.4 %	4.5 %	4.9 %	4.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5226 ppm	0.4532 ppm	0.4885 ppm	10.3141 ppm	0.5048 ppm	0.5043 ppm	0.5200 ppm
Concentration per Run 1	0.5199 ppm	0.4283 ppm	0.4860 ppm	9.7970 ppm	0.5047 ppm	0.5035 ppm	0.5204 ppm
Concentration per Run 2	0.5256 ppm	0.4615 ppm	0.4883 ppm	10.5090 ppm	0.5047 ppm	0.5046 ppm	0.5192 ppm
Concentration per Run 3	0.5223 ppm	0.4700 ppm	0.4910 ppm	10.6363 ppm	0.5050 ppm	0.5049 ppm	0.5205 ppm
Recovery Percentage 1	104.520 %	90.649 %	97.691 %	103.141 %	100.964 %	100.864 %	104.007 %
Concentration RSD	0.5 %	4.9 %	0.5 %	4.4 %	0.0 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4897 ppm	5.5006 ppm	0.4999 ppm	0.4762 ppm	0.5146 ppm	0.5124 ppm	0.5102 ppm
Concentration per Run 1	0.4876 ppm	5.4796 ppm	0.5005 ppm	0.4500 ppm	0.5156 ppm	0.5125 ppm	0.5119 ppm
Concentration per Run 2	0.4913 ppm	5.5057 ppm	0.5002 ppm	0.4845 ppm	0.5153 ppm	0.5134 ppm	0.5106 ppm
Concentration per Run 3	0.4903 ppm	5.5165 ppm	0.4989 ppm	0.4940 ppm	0.5130 ppm	0.5113 ppm	0.5081 ppm
Recovery Percentage 1	97.946 %	104.774 %	99.976 %	95.235 %	102.926 %	102.481 %	102.033 %
Concentration RSD	0.4 %	0.3 %	0.2 %	4.9 %	0.3 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4973 ppm	107.4321 %	95.9258 %	94.7683 %	98.7831 %	95.4344 %	94.5606 %
Concentration per Run 1	0.4981 ppm	112.7353 %	95.6915 %	94.8092 %	103.1203 %	95.7149 %	94.4867 %
Concentration per Run 2	0.4968 ppm	105.4096 %	95.9346 %	94.6943 %	96.9859 %	95.3286 %	94.4322 %
Concentration per Run 3	0.4971 ppm	104.1516 %	96.1513 %	94.8015 %	96.2431 %	95.2597 %	94.7631 %
Recovery Percentage 1	99.465 %						
Concentration RSD	0.1 %	4.3 %	0.2 %	0.1 %	3.8 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 6:38:57 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0028 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0050 ppm
Concentration per Run 1	0.0001 ppm	0.0046 ppm	0.0003 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0075 ppm
Concentration per Run 2	-0.0001 ppm	0.0011 ppm	-0.0011 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	-0.0002 ppm	0.0028 ppm	-0.0003 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm
Recovery Percentage 1	-1.348 %	2.829 %	-7.473 %	4.269 %	0.431 %	0.557 %	4.994 %
Concentration RSD	140.6 %	61.1 %	194.6 %	12.8 %	51.3 %	141.9 %	48.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0005 ppm	0.0323 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0248 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0004 ppm	0.0458 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0015 ppm	0.0262 ppm	-0.0005 ppm
Recovery Percentage 1	0.122 %	-0.786 %	0.006 %	6.984 %	0.996 %	1.290 %	0.778 %
Concentration RSD	286.5 %	46.5 %	18,159.1 %	10.0 %	185.5 %	36.4 %	661.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0023 ppm	-0.0001 ppm	0.0014 ppm	0.0199 ppm	0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run 1	-0.0016 ppm	-0.0001 ppm	0.0015 ppm	0.0197 ppm	0.0000 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run 2	-0.0021 ppm	-0.0002 ppm	0.0015 ppm	0.0198 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	-0.0030 ppm	-0.0001 ppm	0.0013 ppm	0.0203 ppm	0.0001 ppm	-0.0010 ppm	-0.0013 ppm
Recovery Percentage 1	-2.257 %	-1.377 %	2.857 %	0.996 %	0.364 %	-5.530 %	-0.963 %
Concentration RSD	31.6 %	42.5 %	8.1 %	1.6 %	76.9 %	84.5 %	151.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0029 ppm	-0.0014 ppm	0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0022 ppm	-0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0037 ppm	-0.0017 ppm	0.0008 ppm	0.0002 ppm	0.0003 ppm	0.0017 ppm	0.0001 ppm
Concentration per Run 3	0.0026 ppm	-0.0014 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage 1	28.650 %	-0.273 %	0.961 %	0.732 %	2.814 %	4.346 %	0.802 %
Concentration RSD	27.1 %	21.8 %	75.7 %	103.1 %	7.3 %	101.2 %	28.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	103.8882 %	98.1768 %	96.4255 %	94.9404 %	97.3645 %	95.1650 %
Concentration per Run 1	0.0001 ppm	104.0689 %	98.0309 %	96.4572 %	95.1524 %	97.3840 %	94.9713 %
Concentration per Run 2	0.0000 ppm	103.7787 %	98.3117 %	96.2554 %	95.1964 %	97.4956 %	95.4396 %
Concentration per Run 3	0.0001 ppm	103.8170 %	98.1878 %	96.5638 %	94.4724 %	97.2139 %	95.0840 %
Recovery Percentage 1	1.927 %						
Concentration RSD	75.9 %	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-02 tot
Analysis started at: 7/1/2025 6:45:26 PM
Comments <Comment>
Rack: 2
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0126 ppm	0.0001 ppm	0.0153 ppm	0.0418 ppm	0.0000 ppm	21.3698 ppm
Concentration per Run 1	-0.0001 ppm	0.0155 ppm	-0.0013 ppm	0.0149 ppm	0.0420 ppm	0.0000 ppm	21.4571 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	0.0006 ppm	0.0155 ppm	0.0415 ppm	0.0000 ppm	21.2937 ppm
Concentration per Run 3	-0.0001 ppm	0.0169 ppm	0.0010 ppm	0.0155 ppm	0.0419 ppm	0.0000 ppm	21.3586 ppm
Concentration RSD	87.5 %	50.3 %	1,092.7 %	2.5 %	0.6 %	72.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0024 ppm	0.0012 ppm	0.0429 ppm	1.1522 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0024 ppm	0.0011 ppm	0.0425 ppm	1.1451 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0024 ppm	0.0013 ppm	0.0439 ppm	1.1500 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0026 ppm	0.0012 ppm	0.0423 ppm	1.1614 ppm	0.0001 ppm
Concentration RSD	7.0 %	398.8 %	5.4 %	5.8 %	2.0 %	0.7 %	67.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9925 ppm	0.0027 ppm	0.0005 ppm	12.0946 ppm	0.0257 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	4.9917 ppm	0.0026 ppm	0.0006 ppm	12.1266 ppm	0.0256 ppm	-0.0008 ppm	-0.0011 ppm
Concentration per Run 2	4.9933 ppm	0.0028 ppm	0.0006 ppm	12.0326 ppm	0.0257 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 3	4.9925 ppm	0.0027 ppm	0.0004 ppm	12.1248 ppm	0.0260 ppm	0.0003 ppm	0.0016 ppm
Concentration RSD	0.0 %	4.1 %	24.8 %	0.4 %	0.9 %	911.5 %	2,103.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	5.9722 ppm	-0.0012 ppm	0.0920 ppm	0.0005 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	0.0004 ppm	5.9508 ppm	-0.0015 ppm	0.0916 ppm	0.0004 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	5.9409 ppm	-0.0011 ppm	0.0921 ppm	0.0006 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0031 ppm	6.0248 ppm	-0.0011 ppm	0.0924 ppm	0.0004 ppm	0.0009 ppm	0.0003 ppm
Concentration RSD	120.4 %	0.8 %	18.5 %	0.5 %	25.0 %	225.1 %	29.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	105.6724 %	97.4826 %	95.6193 %	95.6183 %	96.2961 %	95.1860 %
Concentration per Run 1	0.0010 ppm	106.2000 %	97.4894 %	96.0475 %	95.2978 %	96.6626 %	95.0969 %
Concentration per Run 2	0.0011 ppm	105.3565 %	97.5274 %	95.9466 %	95.8358 %	96.6588 %	95.1113 %
Concentration per Run 3	0.0010 ppm	105.4607 %	97.4309 %	94.8638 %	95.7214 %	95.5668 %	95.3497 %
Concentration RSD	9.3 %	0.4 %	0.0 %	0.7 %	0.3 %	0.7 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-02 sol
Analysis started at: 7/1/2025 6:51:48 PM
Comments <Comment>
Rack: 2
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0122 ppm	0.0006 ppm	0.0152 ppm	0.0419 ppm	0.0000 ppm	21.3908 ppm
Concentration per Run 1	-0.0004 ppm	0.0096 ppm	0.0002 ppm	0.0149 ppm	0.0416 ppm	0.0000 ppm	21.2310 ppm
Concentration per Run 2	-0.0002 ppm	0.0106 ppm	0.0001 ppm	0.0153 ppm	0.0423 ppm	0.0000 ppm	21.5928 ppm
Concentration per Run 3	-0.0003 ppm	0.0165 ppm	0.0016 ppm	0.0154 ppm	0.0418 ppm	0.0000 ppm	21.3486 ppm
Concentration RSD	33.8 %	30.4 %	131.5 %	1.8 %	0.9 %	223.0 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0076 ppm	0.0085 ppm	1.1581 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0077 ppm	0.0084 ppm	1.1247 ppm	0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0077 ppm	0.0085 ppm	1.1705 ppm	-0.0014 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0074 ppm	0.0086 ppm	1.1792 ppm	0.0017 ppm
Concentration RSD	14.1 %	220.8 %	7.1 %	2.1 %	1.6 %	2.5 %	422.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0073 ppm	0.0023 ppm	0.0001 ppm	12.0640 ppm	0.0228 ppm	-0.0002 ppm	-0.0011 ppm
Concentration per Run 1	4.9948 ppm	0.0023 ppm	0.0001 ppm	11.9555 ppm	0.0227 ppm	-0.0002 ppm	-0.0010 ppm
Concentration per Run 2	5.0278 ppm	0.0023 ppm	0.0003 ppm	12.1603 ppm	0.0228 ppm	-0.0002 ppm	-0.0015 ppm
Concentration per Run 3	4.9992 ppm	0.0022 ppm	-0.0003 ppm	12.0762 ppm	0.0229 ppm	-0.0002 ppm	-0.0008 ppm
Concentration RSD	0.4 %	2.2 %	453.3 %	0.9 %	0.5 %	14.4 %	37.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	5.9512 ppm	-0.0008 ppm	0.0926 ppm	0.0004 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 1	0.0005 ppm	5.9429 ppm	-0.0012 ppm	0.0913 ppm	0.0003 ppm	0.0020 ppm	0.0002 ppm
Concentration per Run 2	0.0015 ppm	5.9316 ppm	-0.0011 ppm	0.0936 ppm	0.0003 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run 3	0.0013 ppm	5.9791 ppm	-0.0002 ppm	0.0929 ppm	0.0005 ppm	0.0025 ppm	0.0002 ppm
Concentration RSD	49.6 %	0.4 %	67.4 %	1.3 %	29.3 %	116.0 %	79.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0121 ppm	105.5982 %	96.9334 %	95.1609 %	95.7146 %	96.3525 %	94.7975 %
Concentration per Run 1	0.0119 ppm	106.8832 %	97.1836 %	95.4929 %	96.5002 %	96.6553 %	94.8080 %
Concentration per Run 2	0.0122 ppm	104.3821 %	96.6930 %	95.5149 %	94.8195 %	96.6175 %	94.6023 %
Concentration per Run 3	0.0123 ppm	105.5294 %	96.9235 %	94.4748 %	95.8242 %	95.7847 %	94.9823 %
Concentration RSD	1.6 %	1.2 %	0.3 %	0.6 %	0.9 %	0.5 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-06 tot
Analysis started at: 7/1/2025 6:58:11 PM
Comments <Comment>
Rack: 2
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0143 ppm	0.0010 ppm	0.0143 ppm	0.0405 ppm	0.0000 ppm	16.3319 ppm
Concentration per Run 1	0.0000 ppm	0.0159 ppm	0.0002 ppm	0.0145 ppm	0.0405 ppm	0.0001 ppm	16.2828 ppm
Concentration per Run 2	0.0000 ppm	0.0114 ppm	0.0009 ppm	0.0144 ppm	0.0405 ppm	0.0000 ppm	16.3610 ppm
Concentration per Run 3	-0.0003 ppm	0.0156 ppm	0.0018 ppm	0.0141 ppm	0.0406 ppm	0.0000 ppm	16.3521 ppm
Concentration RSD	128.1 %	17.8 %	78.5 %	1.5 %	0.1 %	182.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0016 ppm	2.0101 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0021 ppm	1.9943 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0008 ppm	0.0019 ppm	2.0357 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0007 ppm	2.0002 ppm	0.0008 ppm
Concentration RSD	23.0 %	100.3 %	38.9 %	11.8 %	48.2 %	1.1 %	89.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9484 ppm	0.0022 ppm	0.0000 ppm	14.8609 ppm	0.0004 ppm	-0.0004 ppm	-0.0021 ppm
Concentration per Run 1	4.9470 ppm	0.0023 ppm	0.0000 ppm	14.8282 ppm	0.0003 ppm	-0.0009 ppm	-0.0015 ppm
Concentration per Run 2	4.9408 ppm	0.0021 ppm	0.0000 ppm	14.9099 ppm	0.0003 ppm	-0.0002 ppm	-0.0036 ppm
Concentration per Run 3	4.9574 ppm	0.0022 ppm	-0.0001 ppm	14.8446 ppm	0.0006 ppm	-0.0002 ppm	-0.0012 ppm
Concentration RSD	0.2 %	5.1 %	217.4 %	0.3 %	46.0 %	92.9 %	62.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	6.6394 ppm	-0.0003 ppm	0.0761 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	0.0007 ppm	6.6073 ppm	-0.0001 ppm	0.0756 ppm	0.0000 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 2	-0.0008 ppm	6.6482 ppm	-0.0001 ppm	0.0766 ppm	0.0005 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	6.6628 ppm	-0.0006 ppm	0.0762 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm
Concentration RSD	302.0 %	0.4 %	104.3 %	0.7 %	109.2 %	313.2 %	38.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	104.6219 %	96.9632 %	95.1684 %	96.7208 %	96.3170 %	95.1784 %
Concentration per Run 1	0.0006 ppm	105.8043 %	96.7873 %	95.8090 %	97.3372 %	96.9354 %	95.0008 %
Concentration per Run 2	0.0006 ppm	104.2301 %	97.0851 %	95.3746 %	96.5451 %	96.1687 %	95.3858 %
Concentration per Run 3	0.0004 ppm	103.8311 %	97.0172 %	94.3217 %	96.2800 %	95.8469 %	95.1484 %
Concentration RSD	14.0 %	1.0 %	0.2 %	0.8 %	0.6 %	0.6 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-06 sol
Analysis started at: 7/1/2025 7:04:34 PM
Comments <Comment>
Rack: 2
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0120 ppm	-0.0002 ppm	0.0142 ppm	0.0401 ppm	0.0000 ppm	16.2332 ppm
Concentration per Run 1	-0.0002 ppm	0.0083 ppm	-0.0007 ppm	0.0143 ppm	0.0397 ppm	0.0000 ppm	16.0442 ppm
Concentration per Run 2	-0.0003 ppm	0.0131 ppm	0.0014 ppm	0.0140 ppm	0.0403 ppm	0.0000 ppm	16.3241 ppm
Concentration per Run 3	0.0000 ppm	0.0147 ppm	-0.0014 ppm	0.0144 ppm	0.0403 ppm	0.0001 ppm	16.3311 ppm
Concentration RSD	70.1 %	27.5 %	663.1 %	1.7 %	0.8 %	24.0 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0084 ppm	0.0008 ppm	1.9994 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0082 ppm	0.0008 ppm	1.9762 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0083 ppm	0.0012 ppm	2.0061 ppm	-0.0014 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0086 ppm	0.0005 ppm	2.0161 ppm	0.0001 ppm
Concentration RSD	24.6 %	241.5 %	41.1 %	2.3 %	40.8 %	1.0 %	142.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9108 ppm	0.0025 ppm	-0.0002 ppm	14.5288 ppm	0.0008 ppm	0.0002 ppm	-0.0013 ppm
Concentration per Run 1	4.9003 ppm	0.0027 ppm	-0.0002 ppm	14.3548 ppm	0.0006 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run 2	4.9113 ppm	0.0024 ppm	-0.0002 ppm	14.6070 ppm	0.0011 ppm	0.0004 ppm	-0.0017 ppm
Concentration per Run 3	4.9208 ppm	0.0025 ppm	-0.0002 ppm	14.6245 ppm	0.0007 ppm	0.0002 ppm	-0.0011 ppm
Concentration RSD	0.2 %	5.0 %	10.4 %	1.0 %	28.7 %	128.6 %	22.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	6.6426 ppm	-0.0008 ppm	0.0762 ppm	0.0003 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	6.6258 ppm	-0.0005 ppm	0.0758 ppm	0.0002 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run 2	-0.0007 ppm	6.6301 ppm	-0.0007 ppm	0.0764 ppm	0.0002 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0009 ppm	6.6719 ppm	-0.0011 ppm	0.0766 ppm	0.0004 ppm	0.0012 ppm	0.0003 ppm
Concentration RSD	204.7 %	0.4 %	39.0 %	0.6 %	57.4 %	165.0 %	24.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0154 ppm	104.9775 %	96.8003 %	95.0376 %	96.7578 %	96.7096 %	95.2933 %
Concentration per Run 1	0.0153 ppm	105.7554 %	96.8833 %	95.3885 %	97.8948 %	97.1480 %	95.1878 %
Concentration per Run 2	0.0155 ppm	104.8490 %	96.6300 %	95.1441 %	96.3579 %	96.7870 %	95.2151 %
Concentration per Run 3	0.0156 ppm	104.3282 %	96.8874 %	94.5804 %	96.0207 %	96.1939 %	95.4770 %
Concentration RSD	1.0 %	0.7 %	0.2 %	0.4 %	1.0 %	0.5 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-07 tot
Analysis started at: 7/1/2025 7:10:56 PM
Comments <Comment>
Rack: 2
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0136 ppm	0.0004 ppm	0.0174 ppm	0.0400 ppm	0.0001 ppm	12.4627 ppm
Concentration per Run 1	-0.0002 ppm	0.0140 ppm	0.0009 ppm	0.0174 ppm	0.0403 ppm	0.0000 ppm	12.6037 ppm
Concentration per Run 2	-0.0001 ppm	0.0114 ppm	0.0014 ppm	0.0173 ppm	0.0398 ppm	0.0000 ppm	12.4217 ppm
Concentration per Run 3	0.0003 ppm	0.0155 ppm	-0.0011 ppm	0.0175 ppm	0.0398 ppm	0.0001 ppm	12.3628 ppm
Concentration RSD	1,153.4 %	15.3 %	337.5 %	0.8 %	0.7 %	12.7 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0006 ppm	0.0042 ppm	2.0022 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0049 ppm	2.0199 ppm	0.0013 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0007 ppm	0.0039 ppm	2.0168 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0038 ppm	1.9698 ppm	0.0003 ppm
Concentration RSD	38.5 %	70.9 %	41.5 %	17.2 %	14.3 %	1.4 %	277.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0913 ppm	0.0023 ppm	-0.0004 ppm	13.5037 ppm	0.0006 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 1	4.1100 ppm	0.0023 ppm	-0.0003 ppm	13.6143 ppm	0.0005 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 2	4.0748 ppm	0.0023 ppm	-0.0003 ppm	13.4731 ppm	0.0007 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run 3	4.0892 ppm	0.0023 ppm	-0.0004 ppm	13.4236 ppm	0.0007 ppm	-0.0003 ppm	0.0014 ppm
Concentration RSD	0.4 %	1.5 %	19.3 %	0.7 %	13.9 %	575.7 %	1,190.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	6.3352 ppm	-0.0006 ppm	0.0672 ppm	0.0005 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run 1	0.0028 ppm	6.3243 ppm	-0.0004 ppm	0.0676 ppm	0.0006 ppm	0.0029 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	6.3182 ppm	-0.0006 ppm	0.0670 ppm	0.0005 ppm	0.0020 ppm	0.0004 ppm
Concentration per Run 3	0.0017 ppm	6.3632 ppm	-0.0007 ppm	0.0671 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	98.9 %	0.4 %	26.0 %	0.5 %	18.5 %	83.4 %	28.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	103.7298 %	97.1872 %	95.6923 %	95.5177 %	96.9970 %	95.4641 %
Concentration per Run 1	0.0010 ppm	102.8914 %	96.9582 %	95.9467 %	94.3660 %	97.2047 %	95.2166 %
Concentration per Run 2	0.0010 ppm	103.7769 %	97.3131 %	96.0971 %	95.5000 %	97.3029 %	95.5678 %
Concentration per Run 3	0.0010 ppm	104.5211 %	97.2903 %	95.0332 %	96.6871 %	96.4834 %	95.6080 %
Concentration RSD	2.9 %	0.8 %	0.2 %	0.6 %	1.2 %	0.5 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-07 sol
Analysis started at: 7/1/2025 7:17:19 PM
Comments <Comment>
Rack: 2
Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0105 ppm	0.0004 ppm	0.0177 ppm	0.0401 ppm	0.0001 ppm	12.5057 ppm
Concentration per Run 1	0.0000 ppm	0.0109 ppm	0.0014 ppm	0.0178 ppm	0.0400 ppm	0.0000 ppm	12.5236 ppm
Concentration per Run 2	0.0000 ppm	0.0109 ppm	-0.0004 ppm	0.0177 ppm	0.0400 ppm	0.0001 ppm	12.5237 ppm
Concentration per Run 3	0.0000 ppm	0.0096 ppm	0.0002 ppm	0.0176 ppm	0.0403 ppm	0.0001 ppm	12.4697 ppm
Concentration RSD	12,564.5 %	7.4 %	224.4 %	0.5 %	0.4 %	84.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0081 ppm	0.0003 ppm	2.0109 ppm	-0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0081 ppm	0.0003 ppm	2.0024 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0080 ppm	0.0005 ppm	2.0312 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0081 ppm	0.0001 ppm	1.9992 ppm	-0.0006 ppm
Concentration RSD	23.3 %	653.8 %	31.1 %	0.8 %	55.1 %	0.9 %	34.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0953 ppm	0.0022 ppm	-0.0003 ppm	13.6744 ppm	0.0006 ppm	0.0003 ppm	-0.0019 ppm
Concentration per Run 1	4.0850 ppm	0.0023 ppm	-0.0004 ppm	13.6567 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run 2	4.1040 ppm	0.0022 ppm	-0.0002 ppm	13.6892 ppm	0.0009 ppm	0.0005 ppm	-0.0019 ppm
Concentration per Run 3	4.0968 ppm	0.0022 ppm	-0.0002 ppm	13.6772 ppm	0.0006 ppm	0.0005 ppm	-0.0009 ppm
Concentration RSD	0.2 %	2.2 %	36.8 %	0.1 %	44.2 %	91.8 %	49.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	6.3474 ppm	-0.0009 ppm	0.0672 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0040 ppm	6.3314 ppm	-0.0009 ppm	0.0672 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	6.3309 ppm	-0.0007 ppm	0.0673 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0002 ppm	6.3799 ppm	-0.0012 ppm	0.0671 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	148.6 %	0.4 %	29.3 %	0.2 %	65.1 %	72.4 %	112.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0134 ppm	104.4974 %	97.2293 %	95.4596 %	95.5763 %	96.8278 %	95.6577 %
Concentration per Run 1	0.0134 ppm	104.8513 %	97.3863 %	95.5646 %	95.5994 %	97.1740 %	95.7646 %
Concentration per Run 2	0.0133 ppm	104.4043 %	97.0961 %	95.6248 %	95.6899 %	97.0458 %	95.5249 %
Concentration per Run 3	0.0136 ppm	104.2367 %	97.2054 %	95.1894 %	95.4397 %	96.2636 %	95.6836 %
Concentration RSD	0.9 %	0.3 %	0.2 %	0.2 %	0.1 %	0.5 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-17 WG2082734
Analysis started at: 7/1/2025 7:23:42 PM
Comments <Comment>
Rack: 2
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0089 ppm	-0.0001 ppm	0.0129 ppm	0.0167 ppm	0.0000 ppm	26.1837 ppm
Concentration per Run 1	-0.0002 ppm	0.0100 ppm	0.0000 ppm	0.0128 ppm	0.0169 ppm	0.0000 ppm	26.4200 ppm
Concentration per Run 2	-0.0003 ppm	0.0077 ppm	-0.0012 ppm	0.0130 ppm	0.0167 ppm	0.0000 ppm	26.2622 ppm
Concentration per Run 3	-0.0001 ppm	0.0090 ppm	0.0008 ppm	0.0129 ppm	0.0165 ppm	0.0000 ppm	25.8691 ppm
Concentration RSD	42.1 %	13.1 %	790.3 %	0.8 %	1.2 %	155.5 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0051 ppm	0.0044 ppm	2.1242 ppm	-0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0052 ppm	0.0050 ppm	2.1540 ppm	-0.0011 ppm
Concentration per Run 2	-0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0049 ppm	0.0033 ppm	2.1315 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0052 ppm	0.0050 ppm	2.0870 ppm	-0.0003 ppm
Concentration RSD	16.0 %	117.3 %	50.4 %	3.3 %	21.2 %	1.6 %	163.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.4189 ppm	0.0061 ppm	0.0009 ppm	10.2997 ppm	0.0010 ppm	-0.0001 ppm	-0.0014 ppm
Concentration per Run 1	5.4309 ppm	0.0062 ppm	0.0008 ppm	10.3826 ppm	0.0010 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 2	5.4302 ppm	0.0063 ppm	0.0009 ppm	10.3222 ppm	0.0011 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run 3	5.3955 ppm	0.0058 ppm	0.0009 ppm	10.1942 ppm	0.0009 ppm	-0.0001 ppm	-0.0017 ppm
Concentration RSD	0.4 %	4.5 %	3.6 %	0.9 %	9.6 %	76.7 %	30.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	1.8177 ppm	-0.0003 ppm	0.0759 ppm	0.0003 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0011 ppm	1.8185 ppm	-0.0009 ppm	0.0767 ppm	0.0001 ppm	0.0008 ppm	0.0007 ppm
Concentration per Run 2	0.0006 ppm	1.8142 ppm	-0.0002 ppm	0.0760 ppm	0.0003 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run 3	0.0017 ppm	1.8204 ppm	0.0001 ppm	0.0750 ppm	0.0005 ppm	0.0003 ppm	0.0009 ppm
Concentration RSD	52.1 %	0.2 %	156.6 %	1.1 %	69.3 %	932.4 %	15.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0077 ppm	100.7501 %	95.8434 %	94.1605 %	93.5087 %	94.9121 %	94.6374 %
Concentration per Run 1	0.0077 ppm	99.4369 %	95.8591 %	94.0059 %	92.6998 %	94.8452 %	94.6328 %
Concentration per Run 2	0.0077 ppm	100.7704 %	95.5676 %	94.3738 %	93.3322 %	95.1018 %	94.3190 %
Concentration per Run 3	0.0077 ppm	102.0432 %	96.1034 %	94.1019 %	94.4942 %	94.7893 %	94.9604 %
Concentration RSD	0.4 %	1.3 %	0.3 %	0.2 %	1.0 %	0.2 %	0.3 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-18 WG2082734
Analysis started at: 7/1/2025 7:36:19 PM
Comments <Comment>
Rack: 2
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0079 ppm	0.0004 ppm	0.0199 ppm	0.0202 ppm	0.0000 ppm	21.9411 ppm
Concentration per Run 1	0.0002 ppm	0.0084 ppm	0.0010 ppm	0.0201 ppm	0.0200 ppm	0.0000 ppm	21.8231 ppm
Concentration per Run 2	-0.0008 ppm	0.0096 ppm	0.0010 ppm	0.0197 ppm	0.0204 ppm	0.0001 ppm	21.9949 ppm
Concentration per Run 3	-0.0003 ppm	0.0055 ppm	-0.0007 ppm	0.0199 ppm	0.0203 ppm	0.0000 ppm	22.0053 ppm
Concentration RSD	181.7 %	26.6 %	239.1 %	0.9 %	1.0 %	72.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0072 ppm	0.0186 ppm	0.9835 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0071 ppm	0.0185 ppm	0.9697 ppm	-0.0003 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0007 ppm	0.0073 ppm	0.0186 ppm	0.9730 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0009 ppm	0.0072 ppm	0.0187 ppm	1.0078 ppm	-0.0002 ppm
Concentration RSD	18.8 %	40.2 %	11.4 %	1.2 %	0.6 %	2.1 %	265.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2326 ppm	0.0129 ppm	0.0002 ppm	11.1736 ppm	0.0159 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run 1	6.2337 ppm	0.0127 ppm	0.0000 ppm	11.1083 ppm	0.0160 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run 2	6.2158 ppm	0.0132 ppm	0.0003 ppm	11.2091 ppm	0.0159 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 3	6.2484 ppm	0.0129 ppm	0.0003 ppm	11.2034 ppm	0.0159 ppm	-0.0003 ppm	0.0001 ppm
Concentration RSD	0.3 %	2.0 %	108.8 %	0.5 %	0.5 %	344.3 %	119.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	2.1155 ppm	-0.0004 ppm	0.0505 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	-0.0008 ppm	2.1108 ppm	-0.0005 ppm	0.0503 ppm	0.0000 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run 2	0.0007 ppm	2.1130 ppm	-0.0006 ppm	0.0507 ppm	0.0004 ppm	-0.0010 ppm	0.0005 ppm
Concentration per Run 3	-0.0010 ppm	2.1226 ppm	-0.0001 ppm	0.0507 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm
Concentration RSD	271.3 %	0.3 %	65.3 %	0.5 %	101.7 %	3,926.0 %	69.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0154 ppm	104.5251 %	96.3351 %	94.4988 %	96.3471 %	95.0875 %	94.6568 %
Concentration per Run 1	0.0155 ppm	104.4214 %	96.2736 %	94.6629 %	96.4011 %	95.1372 %	94.6474 %
Concentration per Run 2	0.0155 ppm	104.7367 %	96.4371 %	94.5611 %	96.4420 %	95.2483 %	94.7831 %
Concentration per Run 3	0.0154 ppm	104.4171 %	96.2944 %	94.2724 %	96.1981 %	94.8770 %	94.5398 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-20 WG2082734
Analysis started at: 7/1/2025 7:42:41 PM
Comments <Comment>
Rack: 2
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0107 ppm	0.0012 ppm	0.0121 ppm	0.0238 ppm	0.0000 ppm	26.0107 ppm
Concentration per Run 1	-0.0001 ppm	0.0145 ppm	0.0027 ppm	0.0118 ppm	0.0238 ppm	0.0000 ppm	25.9596 ppm
Concentration per Run 2	-0.0003 ppm	0.0114 ppm	-0.0002 ppm	0.0122 ppm	0.0237 ppm	0.0000 ppm	26.0247 ppm
Concentration per Run 3	-0.0002 ppm	0.0063 ppm	0.0011 ppm	0.0123 ppm	0.0238 ppm	0.0000 ppm	26.0479 ppm
Concentration RSD	43.4 %	38.8 %	119.1 %	2.1 %	0.3 %	302.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0081 ppm	0.0157 ppm	1.5883 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0081 ppm	0.0157 ppm	1.5816 ppm	-0.0004 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0084 ppm	0.0160 ppm	1.5849 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0079 ppm	0.0155 ppm	1.5983 ppm	0.0008 ppm
Concentration RSD	3.1 %	99.4 %	32.0 %	2.8 %	1.4 %	0.6 %	282.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.3772 ppm	0.0033 ppm	0.0000 ppm	10.1649 ppm	0.0023 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run 1	5.3825 ppm	0.0031 ppm	0.0000 ppm	10.1227 ppm	0.0021 ppm	0.0006 ppm	-0.0016 ppm
Concentration per Run 2	5.3652 ppm	0.0034 ppm	0.0000 ppm	10.2054 ppm	0.0023 ppm	0.0001 ppm	-0.0021 ppm
Concentration per Run 3	5.3840 ppm	0.0034 ppm	-0.0001 ppm	10.1667 ppm	0.0023 ppm	0.0007 ppm	-0.0009 ppm
Concentration RSD	0.2 %	4.0 %	251.6 %	0.4 %	4.4 %	66.9 %	36.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	2.9204 ppm	-0.0004 ppm	0.0707 ppm	0.0003 ppm	-0.0004 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	2.9158 ppm	-0.0008 ppm	0.0705 ppm	0.0004 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run 2	0.0005 ppm	2.9208 ppm	0.0000 ppm	0.0708 ppm	0.0004 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 3	0.0012 ppm	2.9247 ppm	-0.0003 ppm	0.0706 ppm	0.0002 ppm	-0.0007 ppm	0.0005 ppm
Concentration RSD	94.1 %	0.2 %	106.5 %	0.2 %	28.8 %	98.9 %	12.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0106 ppm	103.6222 %	96.5399 %	95.0886 %	95.5610 %	94.9702 %	94.8322 %
Concentration per Run 1	0.0107 ppm	103.5801 %	96.5285 %	95.1232 %	95.8739 %	95.0373 %	94.7961 %
Concentration per Run 2	0.0106 ppm	103.7103 %	96.5428 %	95.1950 %	95.4668 %	95.0314 %	94.8938 %
Concentration per Run 3	0.0106 ppm	103.5761 %	96.5482 %	94.9475 %	95.3421 %	94.8419 %	94.8068 %
Concentration RSD	0.5 %	0.1 %	0.0 %	0.1 %	0.3 %	0.1 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 7:49:03 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5474 ppm	0.5206 ppm	0.4838 ppm	0.4977 ppm	0.5329 ppm	0.5399 ppm	0.5254 ppm
Concentration per Run 1	0.5455 ppm	0.5281 ppm	0.4820 ppm	0.4973 ppm	0.5403 ppm	0.5480 ppm	0.5317 ppm
Concentration per Run 2	0.5475 ppm	0.5161 ppm	0.4866 ppm	0.4981 ppm	0.5319 ppm	0.5379 ppm	0.5298 ppm
Concentration per Run 3	0.5493 ppm	0.5175 ppm	0.4828 ppm	0.4977 ppm	0.5266 ppm	0.5336 ppm	0.5147 ppm
Recovery Percentage 1	109.488 %	104.119 %	96.759 %	99.540 %	106.583 %	107.970 %	105.077 %
Concentration RSD	0.3 %	1.3 %	0.5 %	0.1 %	1.3 %	1.4 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4900 ppm	0.5022 ppm	0.5062 ppm	0.5121 ppm	0.4898 ppm	5.2483 ppm	0.5599 ppm
Concentration per Run 1	0.4892 ppm	0.5011 ppm	0.5050 ppm	0.5120 ppm	0.4950 ppm	5.3296 ppm	0.5692 ppm
Concentration per Run 2	0.4910 ppm	0.5038 ppm	0.5060 ppm	0.5120 ppm	0.4899 ppm	5.2359 ppm	0.5569 ppm
Concentration per Run 3	0.4898 ppm	0.5018 ppm	0.5078 ppm	0.5124 ppm	0.4844 ppm	5.1795 ppm	0.5537 ppm
Recovery Percentage 1	97.998 %	100.448 %	101.248 %	102.422 %	97.954 %	104.966 %	111.987 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.0 %	1.1 %	1.4 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5298 ppm	0.5433 ppm	0.4932 ppm	11.2151 ppm	0.5092 ppm	0.5092 ppm	0.5148 ppm
Concentration per Run 1	0.5294 ppm	0.5516 ppm	0.4916 ppm	11.3813 ppm	0.5083 ppm	0.5086 ppm	0.5141 ppm
Concentration per Run 2	0.5285 ppm	0.5413 ppm	0.4946 ppm	11.1846 ppm	0.5105 ppm	0.5100 ppm	0.5161 ppm
Concentration per Run 3	0.5314 ppm	0.5371 ppm	0.4934 ppm	11.0794 ppm	0.5087 ppm	0.5089 ppm	0.5141 ppm
Recovery Percentage 1	105.953 %	108.669 %	98.642 %	112.151 %	101.838 %	101.839 %	102.956 %
Concentration RSD	0.3 %	1.4 %	0.3 %	1.4 %	0.2 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4925 ppm	5.5313 ppm	0.5054 ppm	0.5085 ppm	0.5162 ppm	0.5216 ppm	0.5120 ppm
Concentration per Run 1	0.4913 ppm	5.5262 ppm	0.5043 ppm	0.5157 ppm	0.5152 ppm	0.5204 ppm	0.5107 ppm
Concentration per Run 2	0.4935 ppm	5.5446 ppm	0.5072 ppm	0.5078 ppm	0.5164 ppm	0.5234 ppm	0.5127 ppm
Concentration per Run 3	0.4927 ppm	5.5231 ppm	0.5045 ppm	0.5020 ppm	0.5171 ppm	0.5209 ppm	0.5125 ppm
Recovery Percentage 1	98.500 %	105.358 %	101.071 %	101.698 %	103.240 %	104.312 %	102.398 %
Concentration RSD	0.2 %	0.2 %	0.3 %	1.4 %	0.2 %	0.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4994 ppm	99.0680 %	96.7198 %	95.9414 %	91.8384 %	95.5810 %	94.9781 %
Concentration per Run 1	0.4989 ppm	97.4182 %	96.8683 %	95.8681 %	90.2594 %	95.6986 %	95.2793 %
Concentration per Run 2	0.4999 ppm	99.5296 %	96.7114 %	95.9592 %	92.4390 %	95.3861 %	94.8829 %
Concentration per Run 3	0.4996 ppm	100.2562 %	96.5798 %	95.9970 %	92.8168 %	95.6584 %	94.7719 %
Recovery Percentage 1	99.889 %						
Concentration RSD	0.1 %	1.5 %	0.1 %	0.1 %	1.5 %	0.2 %	0.3 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 7:55:10 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0039 ppm	0.0010 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run 1	-0.0001 ppm	0.0083 ppm	-0.0003 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 2	0.0002 ppm	0.0061 ppm	0.0006 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 3	0.0001 ppm	-0.0028 ppm	0.0028 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0058 ppm
Recovery Percentage 1	0.740 %	3.897 %	20.396 %	2.144 %	0.898 %	0.337 %	4.609 %
Concentration RSD	370.1 %	151.0 %	154.7 %	27.6 %	20.4 %	200.1 %	37.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0232 ppm	-0.0008 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0008 ppm	-0.0003 ppm	0.0235 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0001 ppm	0.0153 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0007 ppm	0.0307 ppm	-0.0025 ppm
Recovery Percentage 1	-0.148 %	-0.671 %	-0.559 %	6.786 %	0.176 %	0.926 %	-7.983 %
Concentration RSD	215.2 %	8.0 %	433.9 %	30.8 %	586.4 %	33.3 %	180.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0010 ppm	0.0000 ppm	0.0011 ppm	0.0217 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	-0.0006 ppm	-0.0002 ppm	0.0014 ppm	0.0255 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	-0.0017 ppm	0.0002 ppm	0.0008 ppm	0.0204 ppm	0.0001 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 3	-0.0006 ppm	-0.0001 ppm	0.0010 ppm	0.0192 ppm	0.0000 ppm	-0.0004 ppm	-0.0016 ppm
Recovery Percentage 1	-0.955 %	-0.466 %	2.193 %	1.086 %	0.187 %	-0.355 %	-0.872 %
Concentration RSD	67.9 %	439.4 %	27.2 %	15.5 %	192.1 %	1,483.6 %	247.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	-0.0017 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0035 ppm	-0.0016 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 2	0.0007 ppm	-0.0014 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0037 ppm	-0.0022 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0003 ppm
Recovery Percentage 1	26.310 %	-0.348 %	-0.001 %	0.578 %	3.576 %	2.869 %	2.280 %
Concentration RSD	63.1 %	22.5 %	53,491.9 %	45.2 %	63.9 %	53.5 %	32.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.2046 %	98.3717 %	97.2062 %	94.5819 %	97.7209 %	95.5536 %
Concentration per Run 1	0.0002 ppm	103.4257 %	98.3425 %	97.3651 %	94.8425 %	98.0044 %	95.6436 %
Concentration per Run 2	0.0001 ppm	103.1566 %	98.2795 %	97.1671 %	94.4358 %	97.7235 %	95.4935 %
Concentration per Run 3	0.0002 ppm	103.0316 %	98.4931 %	97.0864 %	94.4673 %	97.4350 %	95.5238 %
Recovery Percentage 1	3.594 %						
Concentration RSD	23.9 %	0.2 %	0.1 %	0.1 %	0.2 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 8:16:01 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5522 ppm	0.5256 ppm	0.4829 ppm	0.4969 ppm	0.5361 ppm	0.5442 ppm	0.5271 ppm
Concentration per Run 1	0.5516 ppm	0.5259 ppm	0.4832 ppm	0.4955 ppm	0.5409 ppm	0.5486 ppm	0.5312 ppm
Concentration per Run 2	0.5532 ppm	0.5342 ppm	0.4840 ppm	0.4972 ppm	0.5375 ppm	0.5453 ppm	0.5268 ppm
Concentration per Run 3	0.5517 ppm	0.5167 ppm	0.4815 ppm	0.4979 ppm	0.5301 ppm	0.5388 ppm	0.5233 ppm
Recovery Percentage 1	110.435 %	105.119 %	96.579 %	99.375 %	107.229 %	108.847 %	105.420 %
Concentration RSD	0.2 %	1.7 %	0.3 %	0.2 %	1.0 %	0.9 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4917 ppm	0.5032 ppm	0.5084 ppm	0.5131 ppm	0.4895 ppm	5.2570 ppm	0.5102 ppm
Concentration per Run 1	0.4918 ppm	0.5033 ppm	0.5081 ppm	0.5130 ppm	0.4953 ppm	5.3368 ppm	0.5161 ppm
Concentration per Run 2	0.4916 ppm	0.5028 ppm	0.5084 ppm	0.5130 ppm	0.4922 ppm	5.2545 ppm	0.5100 ppm
Concentration per Run 3	0.4917 ppm	0.5035 ppm	0.5087 ppm	0.5133 ppm	0.4809 ppm	5.1798 ppm	0.5044 ppm
Recovery Percentage 1	98.336 %	100.644 %	101.677 %	102.620 %	97.896 %	105.140 %	102.036 %
Concentration RSD	0.0 %	0.1 %	0.1 %	0.0 %	1.5 %	1.5 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5291 ppm	0.5495 ppm	0.4934 ppm	10.2015 ppm	0.5088 ppm	0.5086 ppm	0.5144 ppm
Concentration per Run 1	0.5298 ppm	0.5539 ppm	0.4937 ppm	10.3124 ppm	0.5090 ppm	0.5096 ppm	0.5142 ppm
Concentration per Run 2	0.5310 ppm	0.5496 ppm	0.4936 ppm	10.1954 ppm	0.5085 ppm	0.5082 ppm	0.5150 ppm
Concentration per Run 3	0.5264 ppm	0.5451 ppm	0.4929 ppm	10.0967 ppm	0.5090 ppm	0.5081 ppm	0.5139 ppm
Recovery Percentage 1	105.816 %	109.907 %	98.682 %	102.015 %	101.770 %	101.727 %	102.874 %
Concentration RSD	0.5 %	0.8 %	0.1 %	1.1 %	0.1 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4908 ppm	5.5154 ppm	0.5045 ppm	0.5120 ppm	0.5185 ppm	0.5200 ppm	0.5134 ppm
Concentration per Run 1	0.4895 ppm	5.5178 ppm	0.5053 ppm	0.5179 ppm	0.5185 ppm	0.5203 ppm	0.5138 ppm
Concentration per Run 2	0.4907 ppm	5.5174 ppm	0.5037 ppm	0.5122 ppm	0.5183 ppm	0.5181 ppm	0.5139 ppm
Concentration per Run 3	0.4921 ppm	5.5110 ppm	0.5045 ppm	0.5059 ppm	0.5187 ppm	0.5215 ppm	0.5126 ppm
Recovery Percentage 1	98.156 %	105.056 %	100.904 %	102.395 %	103.699 %	103.993 %	102.689 %
Concentration RSD	0.3 %	0.1 %	0.2 %	1.2 %	0.0 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5021 ppm	99.3285 %	96.6157 %	96.0521 %	91.2735 %	95.8837 %	94.7270 %
Concentration per Run 1	0.5025 ppm	98.0100 %	96.1491 %	95.9814 %	90.4204 %	95.7721 %	94.3147 %
Concentration per Run 2	0.5020 ppm	99.6646 %	96.8525 %	95.9331 %	91.2759 %	95.8635 %	94.8687 %
Concentration per Run 3	0.5017 ppm	100.3108 %	96.8454 %	96.2418 %	92.1241 %	96.0156 %	94.9976 %
Recovery Percentage 1	100.412 %						
Concentration RSD	0.1 %	1.2 %	0.4 %	0.2 %	0.9 %	0.1 %	0.4 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:22:09 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0019 ppm	0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	-0.0003 ppm	0.0071 ppm	0.0006 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 2	-0.0003 ppm	-0.0011 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 3	-0.0003 ppm	-0.0002 ppm	-0.0004 ppm	0.0009 ppm	0.0002 ppm	0.0001 ppm	-0.0007 ppm
Recovery Percentage 1	-4.655 %	1.942 %	2.065 %	2.584 %	0.665 %	0.696 %	0.577 %
Concentration RSD	6.8 %	231.8 %	528.5 %	26.9 %	142.2 %	77.0 %	331.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0000 ppm	0.0083 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0204 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	-0.0003 ppm	0.0005 ppm	0.0002 ppm	-0.0066 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0007 ppm	-0.0006 ppm	0.0111 ppm	0.0000 ppm
Recovery Percentage 1	-0.445 %	-0.429 %	-1.443 %	6.633 %	0.006 %	0.332 %	-3.949 %
Concentration RSD	71.0 %	181.9 %	77.0 %	15.7 %	16,657.2 %	165.3 %	146.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0150 ppm	0.0004 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 1	-0.0015 ppm	-0.0001 ppm	0.0014 ppm	0.0189 ppm	0.0004 ppm	-0.0009 ppm	0.0010 ppm
Concentration per Run 2	-0.0012 ppm	-0.0002 ppm	0.0010 ppm	0.0150 ppm	0.0003 ppm	-0.0003 ppm	-0.0014 ppm
Concentration per Run 3	0.0030 ppm	0.0001 ppm	0.0009 ppm	0.0110 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm
Recovery Percentage 1	0.132 %	-0.545 %	2.166 %	0.749 %	1.543 %	-4.544 %	-0.234 %
Concentration RSD	1,913.6 %	241.0 %	22.2 %	26.5 %	22.0 %	88.5 %	1,046.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	-0.0022 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0011 ppm	-0.0019 ppm	0.0005 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0021 ppm	-0.0024 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 3	-0.0008 ppm	-0.0022 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm
Recovery Percentage 1	7.847 %	-0.435 %	0.120 %	1.150 %	3.598 %	2.291 %	-0.008 %
Concentration RSD	189.3 %	13.0 %	795.6 %	70.9 %	99.5 %	142.8 %	5,325.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	102.8465 %	97.9206 %	96.6051 %	93.9091 %	98.1173 %	95.2965 %
Concentration per Run 1	0.0001 ppm	103.4782 %	97.9448 %	96.6417 %	94.3194 %	98.0501 %	95.4861 %
Concentration per Run 2	0.0001 ppm	102.9351 %	97.9922 %	96.6406 %	93.7427 %	98.1998 %	95.3364 %
Concentration per Run 3	0.0001 ppm	102.1263 %	97.8248 %	96.5332 %	93.6651 %	98.1021 %	95.0671 %
Recovery Percentage 1	1.860 %						
Concentration RSD	37.4 %	0.7 %	0.1 %	0.1 %	0.4 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085116-1 WG2085116
Analysis started at: 7/1/2025 8:34:25 PM
Comments <Comment>
Rack: 2
Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0056 ppm	-0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0078 ppm
Concentration per Run 1	-0.0001 ppm	0.0046 ppm	-0.0014 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0091 ppm
Concentration per Run 2	-0.0001 ppm	0.0071 ppm	-0.0002 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0077 ppm
Concentration per Run 3	0.0000 ppm	0.0050 ppm	0.0005 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0064 ppm
Concentration RSD	66.7 %	23.7 %	279.6 %	43.2 %	41.2 %	3,927.0 %	17.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0017 ppm	0.0022 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0008 ppm	0.0022 ppm	-0.0073 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0018 ppm	0.0059 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0081 ppm	-0.0017 ppm
Concentration RSD	34.1 %	99.5 %	61.5 %	9.7 %	36.0 %	375.4 %	64.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0019 ppm	0.0001 ppm	-0.0001 ppm	0.0131 ppm	0.0003 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run 1	0.0042 ppm	0.0002 ppm	-0.0001 ppm	0.0086 ppm	0.0002 ppm	0.0004 ppm	-0.0008 ppm
Concentration per Run 2	0.0013 ppm	0.0003 ppm	-0.0003 ppm	0.0135 ppm	0.0004 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0172 ppm	0.0004 ppm	-0.0002 ppm	-0.0019 ppm
Concentration RSD	113.7 %	250.7 %	100.8 %	32.9 %	23.2 %	17,297.8 %	79.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	0.0111 ppm	-0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	0.0110 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0031 ppm	0.0107 ppm	-0.0010 ppm	0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run 3	0.0031 ppm	0.0115 ppm	-0.0010 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration RSD	63.2 %	3.8 %	32.9 %	21.8 %	49.5 %	47.8 %	162.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	103.9186 %	98.9724 %	97.2389 %	96.2330 %	99.3606 %	96.6150 %
Concentration per Run 1	0.0009 ppm	104.8552 %	98.7448 %	97.4514 %	97.3677 %	99.2431 %	96.4850 %
Concentration per Run 2	0.0008 ppm	103.1500 %	99.1985 %	97.2607 %	95.4186 %	99.5126 %	96.7339 %
Concentration per Run 3	0.0008 ppm	103.7505 %	98.9739 %	97.0047 %	95.9127 %	99.3259 %	96.6260 %
Concentration RSD	6.9 %	0.8 %	0.2 %	0.2 %	1.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085116-2 WG2085116
Analysis started at: 7/1/2025 8:41:03 PM
Comments <Comment>
Rack: 2
Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0609 ppm	2.1650 ppm	0.1204 ppm	0.9780 ppm	2.3294 ppm	0.0580 ppm	10.2562 ppm
Concentration per Run 1	0.0606 ppm	2.2162 ppm	0.1199 ppm	0.9766 ppm	2.4010 ppm	0.0594 ppm	10.5312 ppm
Concentration per Run 2	0.0611 ppm	2.1418 ppm	0.1207 ppm	0.9783 ppm	2.3086 ppm	0.0575 ppm	10.1836 ppm
Concentration per Run 3	0.0610 ppm	2.1372 ppm	0.1206 ppm	0.9793 ppm	2.2786 ppm	0.0570 ppm	10.0539 ppm
Concentration RSD	0.4 %	2.0 %	0.3 %	0.1 %	2.7 %	2.1 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0512 ppm	0.5352 ppm	0.2190 ppm	0.2773 ppm	1.0683 ppm	10.4885 ppm	-0.0003 ppm
Concentration per Run 1	0.0512 ppm	0.5345 ppm	0.2184 ppm	0.2773 ppm	1.0934 ppm	10.7238 ppm	-0.0009 ppm
Concentration per Run 2	0.0513 ppm	0.5366 ppm	0.2188 ppm	0.2781 ppm	1.0596 ppm	10.4220 ppm	-0.0009 ppm
Concentration per Run 3	0.0511 ppm	0.5344 ppm	0.2198 ppm	0.2766 ppm	1.0518 ppm	10.3198 ppm	0.0009 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.3 %	2.1 %	2.0 %	333.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2256 ppm	0.5807 ppm	0.9490 ppm	10.5684 ppm	0.5420 ppm	0.5216 ppm	0.4325 ppm
Concentration per Run 1	10.1993 ppm	0.5942 ppm	0.9467 ppm	10.8027 ppm	0.5422 ppm	0.5233 ppm	0.4238 ppm
Concentration per Run 2	10.2174 ppm	0.5760 ppm	0.9487 ppm	10.4779 ppm	0.5426 ppm	0.5210 ppm	0.4335 ppm
Concentration per Run 3	10.2600 ppm	0.5721 ppm	0.9516 ppm	10.4247 ppm	0.5413 ppm	0.5205 ppm	0.4401 ppm
Concentration RSD	0.3 %	2.0 %	0.3 %	1.9 %	0.1 %	0.3 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1173 ppm	1.0758 ppm	0.9515 ppm	1.0086 ppm	1.0201 ppm	0.1182 ppm	0.5576 ppm
Concentration per Run 1	0.1174 ppm	1.0766 ppm	0.9505 ppm	1.0309 ppm	1.0185 ppm	0.1181 ppm	0.5563 ppm
Concentration per Run 2	0.1182 ppm	1.0746 ppm	0.9531 ppm	1.0003 ppm	1.0203 ppm	0.1201 ppm	0.5577 ppm
Concentration per Run 3	0.1165 ppm	1.0761 ppm	0.9508 ppm	0.9945 ppm	1.0216 ppm	0.1165 ppm	0.5587 ppm
Concentration RSD	0.7 %	0.1 %	0.1 %	1.9 %	0.2 %	1.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5378 ppm	100.8397 %	96.7295 %	95.4551 %	93.5274 %	96.4021 %	95.8082 %
Concentration per Run 1	0.5379 ppm	98.1926 %	96.8320 %	95.4612 %	90.9466 %	96.3715 %	96.0738 %
Concentration per Run 2	0.5388 ppm	101.7502 %	96.7511 %	95.4442 %	94.3328 %	96.3355 %	95.7159 %
Concentration per Run 3	0.5367 ppm	102.5765 %	96.6053 %	95.4598 %	95.3028 %	96.4994 %	95.6349 %
Concentration RSD	0.2 %	2.3 %	0.1 %	0.0 %	2.4 %	0.1 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2539018-01 WG2085116
Analysis started at: 7/1/2025 8:48:06 PM
Comments <Comment>
Rack: 2
Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.3229 ppm	0.0051 ppm	0.1728 ppm	0.0624 ppm	0.0000 ppm	44.7717 ppm
Concentration per Run 1	0.0001 ppm	0.3199 ppm	0.0050 ppm	0.1765 ppm	0.0626 ppm	0.0000 ppm	44.8457 ppm
Concentration per Run 2	0.0000 ppm	0.3240 ppm	0.0053 ppm	0.1771 ppm	0.0623 ppm	0.0000 ppm	44.6701 ppm
Concentration per Run 3	-0.0003 ppm	0.3246 ppm	0.0050 ppm	0.1648 ppm	0.0623 ppm	0.0000 ppm	44.7992 ppm
Concentration RSD	421.1 %	0.8 %	3.2 %	4.0 %	0.3 %	85.0 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0004 ppm	0.0032 ppm	0.0067 ppm	0.1673 ppm	62.1046 ppm	0.0229 ppm
Concentration per Run 1	-0.0002 ppm	0.0006 ppm	0.0032 ppm	0.0067 ppm	0.1664 ppm	62.2704 ppm	0.0234 ppm
Concentration per Run 2	-0.0002 ppm	0.0005 ppm	0.0033 ppm	0.0066 ppm	0.1670 ppm	62.0366 ppm	0.0223 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0031 ppm	0.0069 ppm	0.1686 ppm	62.0069 ppm	0.0228 ppm
Concentration RSD	9.1 %	31.5 %	3.4 %	2.9 %	0.7 %	0.2 %	2.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.6839 ppm	0.0637 ppm	0.0553 ppm	268.7136 ppm	0.0021 ppm	0.0010 ppm	0.0148 ppm
Concentration per Run 1	9.6653 ppm	0.0635 ppm	0.0568 ppm	269.5147 ppm	0.0023 ppm	0.0011 ppm	0.0162 ppm
Concentration per Run 2	9.6763 ppm	0.0634 ppm	0.0563 ppm	268.3375 ppm	0.0020 ppm	0.0009 ppm	0.0147 ppm
Concentration per Run 3	9.7101 ppm	0.0641 ppm	0.0528 ppm	268.2886 ppm	0.0021 ppm	0.0010 ppm	0.0136 ppm
Concentration RSD	0.2 %	0.6 %	4.0 %	0.3 %	5.7 %	11.6 %	9.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	8.0081 ppm	0.0029 ppm	0.9154 ppm	0.0070 ppm	0.0001 ppm	0.0084 ppm
Concentration per Run 1	0.0043 ppm	8.2070 ppm	0.0037 ppm	0.9180 ppm	0.0070 ppm	0.0001 ppm	0.0085 ppm
Concentration per Run 2	-0.0045 ppm	8.1754 ppm	0.0021 ppm	0.9146 ppm	0.0070 ppm	-0.0009 ppm	0.0083 ppm
Concentration per Run 3	-0.0014 ppm	7.6419 ppm	0.0030 ppm	0.9136 ppm	0.0070 ppm	0.0011 ppm	0.0084 ppm
Concentration RSD	854.9 %	4.0 %	27.3 %	0.2 %	0.4 %	812.6 %	1.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0095 ppm	100.9200 %	89.9772 %	92.6234 %	95.0778 %	87.2841 %	89.5282 %
Concentration per Run 1	0.0097 ppm	101.1002 %	89.9909 %	90.3619 %	95.0981 %	85.1479 %	89.5860 %
Concentration per Run 2	0.0096 ppm	101.1397 %	90.0908 %	90.2144 %	95.4857 %	85.4413 %	89.6384 %
Concentration per Run 3	0.0090 ppm	100.5201 %	89.8500 %	97.2937 %	94.6497 %	91.2631 %	89.3603 %
Concentration RSD	3.8 %	0.3 %	0.1 %	4.4 %	0.4 %	4.0 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085116-3 WG2085116
Analysis started at: 7/1/2025 8:54:34 PM
Comments <Comment>
Rack: 2
Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0629 ppm	2.6672 ppm	0.1382 ppm	1.2324 ppm	2.3468 ppm	0.0577 ppm	54.7921 ppm
Concentration per Run 1	0.0629 ppm	2.6719 ppm	0.1360 ppm	1.2353 ppm	2.3713 ppm	0.0577 ppm	54.8863 ppm
Concentration per Run 2	0.0629 ppm	2.6632 ppm	0.1408 ppm	1.2304 ppm	2.3554 ppm	0.0576 ppm	54.6492 ppm
Concentration per Run 3	0.0629 ppm	2.6663 ppm	0.1377 ppm	1.2316 ppm	2.3137 ppm	0.0579 ppm	54.8407 ppm
Concentration RSD	0.0 %	0.2 %	1.8 %	0.2 %	1.3 %	0.3 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0535 ppm	0.5547 ppm	0.2227 ppm	0.2908 ppm	1.2282 ppm	72.7873 ppm	0.0231 ppm
Concentration per Run 1	0.0536 ppm	0.5560 ppm	0.2229 ppm	0.2909 ppm	1.2329 ppm	73.1631 ppm	0.0220 ppm
Concentration per Run 2	0.0534 ppm	0.5525 ppm	0.2228 ppm	0.2909 ppm	1.2225 ppm	72.4567 ppm	0.0232 ppm
Concentration per Run 3	0.0535 ppm	0.5557 ppm	0.2225 ppm	0.2906 ppm	1.2292 ppm	72.7420 ppm	0.0241 ppm
Concentration RSD	0.2 %	0.4 %	0.1 %	0.1 %	0.4 %	0.5 %	4.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	19.6331 ppm	0.6287 ppm	1.0764 ppm	269.7681 ppm	0.5628 ppm	0.5347 ppm	0.5198 ppm
Concentration per Run 1	19.6276 ppm	0.6292 ppm	1.0772 ppm	273.0213 ppm	0.5639 ppm	0.5368 ppm	0.5189 ppm
Concentration per Run 2	19.6992 ppm	0.6278 ppm	1.0754 ppm	268.8141 ppm	0.5613 ppm	0.5339 ppm	0.5194 ppm
Concentration per Run 3	19.5724 ppm	0.6292 ppm	1.0765 ppm	267.4691 ppm	0.5632 ppm	0.5334 ppm	0.5209 ppm
Concentration RSD	0.3 %	0.1 %	0.1 %	1.1 %	0.2 %	0.3 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1309 ppm	9.3639 ppm	1.0048 [SIC 20]	1.9225 ppm	1.0505 ppm	0.1151 ppm	0.5796 ppm
Concentration per Run 1	0.1329 ppm	9.3823 ppm	1.0088 ppm	1.9379 ppm	1.0499 ppm	0.1135 ppm	0.5796 ppm
Concentration per Run 2	0.1295 ppm	9.3505 ppm	1.0014 ppm	1.9154 ppm	1.0525 ppm	0.1170 ppm	0.5807 ppm
Concentration per Run 3	0.1303 ppm	9.3589 ppm	1.0043 ppm	1.9143 ppm	1.0490 ppm	0.1148 ppm	0.5784 ppm
Concentration RSD	1.3 %	0.2 %	0.4 %	0.7 %	0.2 %	1.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5860 ppm	99.6708 %	89.4774 %	89.6611 %	93.7905 %	85.4156 %	88.6955 %
Concentration per Run 1	0.5881 ppm	99.5621 %	89.5831 %	89.7312 %	93.7757 %	85.2014 %	88.7277 %
Concentration per Run 2	0.5842 ppm	99.9705 %	89.2309 %	89.8471 %	93.8282 %	85.5795 %	88.3262 %
Concentration per Run 3	0.5857 ppm	99.4797 %	89.6181 %	89.4049 %	93.7676 %	85.4658 %	89.0326 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.3 %	0.0 %	0.2 %	0.4 %

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085116-4 WG2085116
Analysis started at: 7/1/2025 9:01:02 PM
Comments <Comment>
Rack: 2
Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.3263 ppm	0.0044 ppm	0.1762 ppm	0.0623 ppm	0.0000 ppm	44.7892 ppm
Concentration per Run 1	-0.0001 ppm	0.3272 ppm	0.0030 ppm	0.1759 ppm	0.0624 ppm	0.0000 ppm	44.8507 ppm
Concentration per Run 2	0.0003 ppm	0.3263 ppm	0.0050 ppm	0.1757 ppm	0.0624 ppm	0.0001 ppm	44.7265 ppm
Concentration per Run 3	-0.0003 ppm	0.3253 ppm	0.0053 ppm	0.1769 ppm	0.0622 ppm	0.0001 ppm	44.7904 ppm
Concentration RSD	985.4 %	0.3 %	28.7 %	0.4 %	0.2 %	200.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0028 ppm	0.0067 ppm	0.1699 ppm	61.6918 ppm	0.0227 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	0.0025 ppm	0.0068 ppm	0.1700 ppm	62.0482 ppm	0.0233 ppm
Concentration per Run 2	-0.0002 ppm	0.0006 ppm	0.0030 ppm	0.0066 ppm	0.1704 ppm	61.6564 ppm	0.0225 ppm
Concentration per Run 3	-0.0002 ppm	0.0005 ppm	0.0028 ppm	0.0066 ppm	0.1692 ppm	61.3709 ppm	0.0223 ppm
Concentration RSD	7.5 %	19.1 %	8.9 %	1.9 %	0.4 %	0.6 %	2.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.5992 ppm	0.0635 ppm	0.0582 ppm	254.6233 ppm	0.0022 ppm	0.0012 ppm	0.0135 ppm
Concentration per Run 1	9.5882 ppm	0.0634 ppm	0.0586 ppm	257.8360 ppm	0.0022 ppm	0.0015 ppm	0.0141 ppm
Concentration per Run 2	9.6177 ppm	0.0631 ppm	0.0584 ppm	256.9424 ppm	0.0021 ppm	0.0008 ppm	0.0125 ppm
Concentration per Run 3	9.5916 ppm	0.0639 ppm	0.0577 ppm	249.0914 ppm	0.0022 ppm	0.0012 ppm	0.0140 ppm
Concentration RSD	0.2 %	0.6 %	0.9 %	1.9 %	2.3 %	31.0 %	6.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	8.0956 ppm	0.0043 ppm	0.9140 ppm	0.0073 ppm	-0.0002 ppm	0.0084 ppm
Concentration per Run 1	0.0013 ppm	8.0940 ppm	0.0045 ppm	0.9180 ppm	0.0074 ppm	0.0001 ppm	0.0084 ppm
Concentration per Run 2	0.0013 ppm	8.0915 ppm	0.0049 ppm	0.9135 ppm	0.0074 ppm	0.0007 ppm	0.0083 ppm
Concentration per Run 3	-0.0003 ppm	8.1013 ppm	0.0036 ppm	0.9104 ppm	0.0072 ppm	-0.0014 ppm	0.0084 ppm
Concentration RSD	116.8 %	0.1 %	15.0 %	0.4 %	1.8 %	575.0 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0089 ppm	99.4726 %	89.6183 %	89.7873 %	93.5887 %	85.2271 %	89.1890 %
Concentration per Run 1	0.0090 ppm	99.1516 %	89.5929 %	89.9243 %	93.7520 %	85.2161 %	89.2123 %
Concentration per Run 2	0.0089 ppm	99.4096 %	89.5042 %	89.6958 %	93.7591 %	85.2756 %	89.0104 %
Concentration per Run 3	0.0088 ppm	99.8566 %	89.7579 %	89.7418 %	93.2551 %	85.1896 %	89.3444 %
Concentration RSD	1.3 %	0.4 %	0.1 %	0.1 %	0.3 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085116-5 WG2085116
Analysis started at: 7/1/2025 9:10:51 PM
Comments <Comment>
Rack: 2
Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0584 ppm	2.4897 ppm	0.1306 ppm	1.1779 ppm	2.2141 ppm	0.0538 ppm	53.1699 ppm
Concentration per Run 1	0.0580 ppm	2.4755 ppm	0.1304 ppm	1.1751 ppm	2.2051 ppm	0.0537 ppm	52.9680 ppm
Concentration per Run 2	0.0587 ppm	2.4973 ppm	0.1315 ppm	1.1792 ppm	2.2131 ppm	0.0539 ppm	53.2769 ppm
Concentration per Run 3	0.0584 ppm	2.4963 ppm	0.1298 ppm	1.1794 ppm	2.2242 ppm	0.0539 ppm	53.2649 ppm
Concentration RSD	0.6 %	0.5 %	0.7 %	0.2 %	0.4 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0502 ppm	0.5207 ppm	0.2090 ppm	0.2727 ppm	1.1574 ppm	70.9027 ppm	0.0226 ppm
Concentration per Run 1	0.0503 ppm	0.5208 ppm	0.2088 ppm	0.2729 ppm	1.1614 ppm	71.1257 ppm	0.0229 ppm
Concentration per Run 2	0.0503 ppm	0.5206 ppm	0.2098 ppm	0.2729 ppm	1.1576 ppm	70.9887 ppm	0.0234 ppm
Concentration per Run 3	0.0502 ppm	0.5208 ppm	0.2084 ppm	0.2723 ppm	1.1532 ppm	70.5936 ppm	0.0216 ppm
Concentration RSD	0.0 %	0.0 %	0.4 %	0.1 %	0.4 %	0.4 %	4.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.8186 ppm	0.5860 ppm	1.0207 ppm	263.5910 ppm	0.5289 ppm	0.5048 ppm	0.4176 ppm
Concentration per Run 1	18.7157 ppm	0.5839 ppm	1.0178 ppm	266.8917 ppm	0.5285 ppm	0.5049 ppm	0.4024 ppm
Concentration per Run 2	18.8334 ppm	0.5862 ppm	1.0211 ppm	262.6075 ppm	0.5293 ppm	0.5046 ppm	0.4209 ppm
Concentration per Run 3	18.9068 ppm	0.5878 ppm	1.0231 ppm	261.2738 ppm	0.5288 ppm	0.5048 ppm	0.4294 ppm
Concentration RSD	0.5 %	0.3 %	0.3 %	1.1 %	0.1 %	0.0 %	3.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1215 ppm	8.9211 ppm	0.9627 ppm	1.8458 ppm	0.9962 ppm	0.1107 ppm	0.5434 ppm
Concentration per Run 1	0.1230 ppm	8.9153 ppm	0.9637 ppm	1.8450 ppm	0.9949 ppm	0.1095 ppm	0.5424 ppm
Concentration per Run 2	0.1225 ppm	8.9329 ppm	0.9607 ppm	1.8708 ppm	0.9962 ppm	0.1118 ppm	0.5438 ppm
Concentration per Run 3	0.1191 ppm	8.9151 ppm	0.9636 ppm	1.8215 ppm	0.9976 ppm	0.1107 ppm	0.5440 ppm
Concentration RSD	1.7 %	0.1 %	0.2 %	1.3 %	0.1 %	1.0 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5505 ppm	99.4089 %	90.0892 %	90.0603 %	94.5697 %	85.7228 %	89.5590 %
Concentration per Run 1	0.5512 ppm	99.3290 %	90.1906 %	90.2924 %	94.9939 %	85.7705 %	89.7767 %
Concentration per Run 2	0.5497 ppm	99.0957 %	90.0957 %	89.7797 %	94.3064 %	85.7085 %	89.5457 %
Concentration per Run 3	0.5505 ppm	99.8020 %	89.9813 %	90.1086 %	94.4088 %	85.6893 %	89.3547 %
Concentration RSD	0.1 %	0.4 %	0.1 %	0.3 %	0.4 %	0.0 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: WG2085116-6d5 WG2085116
Analysis started at: 7/1/2025 9:17:13 PM
Comments <Comment>
Rack: 2
Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0706 ppm	0.0011 ppm	0.0368 ppm	0.0127 ppm	0.0000 ppm	9.0405 ppm
Concentration per Run 1	0.0000 ppm	0.0714 ppm	0.0012 ppm	0.0364 ppm	0.0125 ppm	0.0000 ppm	8.9673 ppm
Concentration per Run 2	-0.0001 ppm	0.0719 ppm	0.0014 ppm	0.0372 ppm	0.0127 ppm	0.0000 ppm	9.0688 ppm
Concentration per Run 3	-0.0005 ppm	0.0685 ppm	0.0008 ppm	0.0368 ppm	0.0128 ppm	0.0000 ppm	9.0853 ppm
Concentration RSD	122.0 %	2.6 %	28.1 %	1.0 %	1.2 %	3,294.8 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0018 ppm	0.0351 ppm	12.2175 ppm	0.0053 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0019 ppm	0.0354 ppm	12.1666 ppm	0.0055 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0019 ppm	0.0352 ppm	12.2520 ppm	0.0052 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0017 ppm	0.0346 ppm	12.2338 ppm	0.0052 ppm
Concentration RSD	40.2 %	110.3 %	13.9 %	4.6 %	1.2 %	0.4 %	3.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.0221 ppm	0.0129 ppm	0.0170 ppm	54.0573 ppm	0.0006 ppm	0.0002 ppm	0.0267 ppm
Concentration per Run 1	2.0176 ppm	0.0131 ppm	0.0179 ppm	53.8613 ppm	0.0005 ppm	0.0000 ppm	0.0296 ppm
Concentration per Run 2	2.0257 ppm	0.0129 ppm	0.0169 ppm	54.1649 ppm	0.0006 ppm	0.0006 ppm	0.0258 ppm
Concentration per Run 3	2.0231 ppm	0.0128 ppm	0.0162 ppm	54.1456 ppm	0.0006 ppm	0.0002 ppm	0.0246 ppm
Concentration RSD	0.2 %	1.0 %	5.1 %	0.3 %	10.7 %	119.5 %	9.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0001 ppm	1.5565 ppm	0.0061 ppm	0.1827 ppm	0.0020 ppm	0.0010 ppm	0.0018 ppm
Concentration per Run 1	0.0028 ppm	1.5575 ppm	0.0067 ppm	0.1821 ppm	0.0020 ppm	0.0013 ppm	0.0016 ppm
Concentration per Run 2	-0.0020 ppm	1.5557 ppm	0.0061 ppm	0.1832 ppm	0.0018 ppm	-0.0004 ppm	0.0019 ppm
Concentration per Run 3	-0.0010 ppm	1.5564 ppm	0.0055 ppm	0.1828 ppm	0.0021 ppm	0.0022 ppm	0.0018 ppm
Concentration RSD	4,550.8 %	0.1 %	10.2 %	0.3 %	7.1 %	133.1 %	7.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0022 ppm	101.8609 %	95.0516 %	94.7017 %	95.6351 %	93.9724 %	94.4991 %
Concentration per Run 1	0.0022 ppm	102.0966 %	95.0719 %	94.6305 %	96.1734 %	93.9669 %	94.5195 %
Concentration per Run 2	0.0022 ppm	101.8463 %	94.9569 %	94.9072 %	95.4380 %	93.9514 %	94.3288 %
Concentration per Run 3	0.0021 ppm	101.6397 %	95.1259 %	94.5674 %	95.2939 %	93.9988 %	94.6490 %
Concentration RSD	2.2 %	0.2 %	0.1 %	0.2 %	0.5 %	0.0 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2539018-02 WG2085116
Analysis started at: 7/1/2025 9:23:34 PM
Comments <Comment>
Rack: 2
Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.2161 ppm	0.0045 ppm	0.1792 ppm	0.0483 ppm	0.0000 ppm	34.9892 ppm
Concentration per Run 1	-0.0004 ppm	0.2216 ppm	0.0053 ppm	0.1793 ppm	0.0485 ppm	0.0000 ppm	35.2362 ppm
Concentration per Run 2	-0.0002 ppm	0.2150 ppm	0.0042 ppm	0.1794 ppm	0.0483 ppm	0.0000 ppm	34.9479 ppm
Concentration per Run 3	0.0002 ppm	0.2117 ppm	0.0039 ppm	0.1790 ppm	0.0480 ppm	0.0000 ppm	34.7836 ppm
Concentration RSD	228.8 %	2.3 %	16.9 %	0.1 %	0.5 %	65.2 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0004 ppm	0.0056 ppm	0.0052 ppm	0.0411 ppm	64.9276 ppm	0.0287 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0059 ppm	0.0050 ppm	0.0408 ppm	65.3139 ppm	0.0289 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0055 ppm	0.0053 ppm	0.0421 ppm	64.8897 ppm	0.0285 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0054 ppm	0.0053 ppm	0.0404 ppm	64.5791 ppm	0.0287 ppm
Concentration RSD	7.1 %	4.8 %	5.1 %	3.2 %	2.2 %	0.6 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.1272 ppm	0.0222 ppm	0.0569 ppm	264.4585 ppm	0.0018 ppm	0.0002 ppm	0.0092 ppm
Concentration per Run 1	8.1362 ppm	0.0225 ppm	0.0565 ppm	266.4014 ppm	0.0019 ppm	0.0008 ppm	0.0100 ppm
Concentration per Run 2	8.1084 ppm	0.0224 ppm	0.0570 ppm	264.2825 ppm	0.0020 ppm	-0.0007 ppm	0.0078 ppm
Concentration per Run 3	8.1369 ppm	0.0217 ppm	0.0572 ppm	262.6915 ppm	0.0016 ppm	0.0004 ppm	0.0097 ppm
Concentration RSD	0.2 %	2.0 %	0.6 %	0.7 %	9.8 %	408.5 %	12.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	8.5524 ppm	0.0013 ppm	0.8331 ppm	0.0013 ppm	0.0008 ppm	0.0102 ppm
Concentration per Run 1	-0.0010 ppm	8.5793 ppm	0.0012 ppm	0.8374 ppm	0.0012 ppm	0.0014 ppm	0.0104 ppm
Concentration per Run 2	0.0042 ppm	8.5409 ppm	0.0012 ppm	0.8327 ppm	0.0014 ppm	0.0012 ppm	0.0101 ppm
Concentration per Run 3	0.0036 ppm	8.5370 ppm	0.0015 ppm	0.8292 ppm	0.0012 ppm	-0.0001 ppm	0.0101 ppm
Concentration RSD	125.2 %	0.3 %	14.1 %	0.5 %	11.3 %	95.4 %	1.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0031 ppm	98.8813 %	89.9971 %	90.5749 %	93.0636 %	85.2191 %	89.2769 %
Concentration per Run 1	0.0032 ppm	98.5335 %	89.8207 %	90.6290 %	92.4997 %	85.0372 %	89.2359 %
Concentration per Run 2	0.0032 ppm	99.1181 %	90.1885 %	90.4323 %	93.3606 %	85.2583 %	89.4062 %
Concentration per Run 3	0.0031 ppm	98.9922 %	89.9820 %	90.6635 %	93.3305 %	85.3616 %	89.1886 %
Concentration RSD	1.2 %	0.3 %	0.2 %	0.1 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 9:30:02 PM
Comments <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5392 ppm	0.5054 ppm	0.4828 ppm	0.4982 ppm	0.5137 ppm	0.5185 ppm	0.5070 ppm
Concentration per Run 1	0.5406 ppm	0.5068 ppm	0.4819 ppm	0.4986 ppm	0.5157 ppm	0.5192 ppm	0.5078 ppm
Concentration per Run 2	0.5384 ppm	0.5034 ppm	0.4832 ppm	0.4977 ppm	0.5125 ppm	0.5176 ppm	0.5078 ppm
Concentration per Run 3	0.5385 ppm	0.5059 ppm	0.4833 ppm	0.4982 ppm	0.5130 ppm	0.5188 ppm	0.5054 ppm
Recovery Percentage 1	107.834 %	101.076 %	96.562 %	99.636 %	102.745 %	103.709 %	101.408 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.1 %	0.3 %	0.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4905 ppm	0.5024 ppm	0.5028 ppm	0.5098 ppm	0.4764 ppm	5.2587 ppm	0.4972 ppm
Concentration per Run 1	0.4908 ppm	0.5024 ppm	0.5035 ppm	0.5098 ppm	0.4795 ppm	5.2559 ppm	0.4972 ppm
Concentration per Run 2	0.4906 ppm	0.5029 ppm	0.5021 ppm	0.5097 ppm	0.4764 ppm	5.2489 ppm	0.4965 ppm
Concentration per Run 3	0.4902 ppm	0.5019 ppm	0.5026 ppm	0.5099 ppm	0.4733 ppm	5.2711 ppm	0.4978 ppm
Recovery Percentage 1	98.106 %	100.482 %	100.554 %	101.959 %	95.284 %	105.173 %	99.432 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.0 %	0.7 %	0.2 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5227 ppm	0.5210 ppm	0.4970 ppm	9.8297 ppm	0.5093 ppm	0.5086 ppm	0.5238 ppm
Concentration per Run 1	0.5234 ppm	0.5211 ppm	0.4970 ppm	9.8402 ppm	0.5102 ppm	0.5081 ppm	0.5258 ppm
Concentration per Run 2	0.5208 ppm	0.5201 ppm	0.4983 ppm	9.8038 ppm	0.5091 ppm	0.5099 ppm	0.5227 ppm
Concentration per Run 3	0.5240 ppm	0.5218 ppm	0.4956 ppm	9.8451 ppm	0.5085 ppm	0.5080 ppm	0.5227 ppm
Recovery Percentage 1	104.544 %	104.200 %	99.390 %	98.297 %	101.860 %	101.730 %	104.754 %
Concentration RSD	0.3 %	0.2 %	0.3 %	0.2 %	0.2 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4931 ppm	5.5344 ppm	0.5093 ppm	0.4941 ppm	0.5132 ppm	0.5228 ppm	0.5092 ppm
Concentration per Run 1	0.4910 ppm	5.5326 ppm	0.5103 ppm	0.4945 ppm	0.5139 ppm	0.5249 ppm	0.5098 ppm
Concentration per Run 2	0.4957 ppm	5.5434 ppm	0.5078 ppm	0.4933 ppm	0.5124 ppm	0.5213 ppm	0.5084 ppm
Concentration per Run 3	0.4925 ppm	5.5271 ppm	0.5097 ppm	0.4945 ppm	0.5132 ppm	0.5222 ppm	0.5095 ppm
Recovery Percentage 1	98.614 %	105.416 %	101.854 %	98.819 %	102.631 %	104.557 %	101.841 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.1 %	0.2 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5000 ppm	101.3380 %	97.7122 %	96.8221 %	95.2000 %	96.1609 %	96.5364 %
Concentration per Run 1	0.5008 ppm	101.1413 %	97.6743 %	96.8744 %	94.9619 %	96.0336 %	96.3614 %
Concentration per Run 2	0.4997 ppm	101.8842 %	97.8025 %	96.8106 %	95.6813 %	96.0436 %	96.6623 %
Concentration per Run 3	0.4994 ppm	100.9883 %	97.6597 %	96.7814 %	94.9568 %	96.4053 %	96.5855 %
Recovery Percentage 1	99.994 %						
Concentration RSD	0.1 %	0.5 %	0.1 %	0.0 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 10:03:10 PM

LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 9:36:09 PM
Comments <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0053 ppm	0.0013 ppm	0.0020 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 1	-0.0001 ppm	0.0032 ppm	0.0021 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0012 ppm	0.0009 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm	0.0075 ppm
Concentration per Run 3	0.0000 ppm	0.0116 ppm	0.0010 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	-0.694 %	5.324 %	26.693 %	6.823 %	0.697 %	0.949 %	2.595 %
Concentration RSD	29.3 %	103.1 %	46.8 %	9.9 %	73.5 %	42.5 %	164.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0685 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0696 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	-0.0004 ppm	0.0645 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0002 ppm	0.0713 ppm	0.0009 ppm
Recovery Percentage 1	-0.409 %	-0.521 %	-0.970 %	5.435 %	0.010 %	2.738 %	4.440 %
Concentration RSD	128.5 %	154.7 %	122.9 %	41.6 %	11,303.3 %	5.2 %	97.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0004 ppm	0.0001 ppm	0.0019 ppm	0.1049 ppm	0.0003 ppm	0.0006 ppm	0.0017 ppm
Concentration per Run 1	0.0009 ppm	0.0002 ppm	0.0021 ppm	0.1011 ppm	0.0003 ppm	0.0002 ppm	0.0024 ppm
Concentration per Run 2	0.0008 ppm	0.0000 ppm	0.0018 ppm	0.1038 ppm	0.0003 ppm	0.0010 ppm	0.0013 ppm
Concentration per Run 3	-0.0003 ppm	0.0002 ppm	0.0018 ppm	0.1097 ppm	0.0004 ppm	0.0005 ppm	0.0014 ppm
Recovery Percentage 1	0.439 %	1.225 %	3.793 %	5.244 %	1.199 %	5.668 %	3.424 %
Concentration RSD	149.4 %	107.2 %	9.0 %	4.2 %	17.4 %	68.1 %	36.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	-0.0017 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0020 ppm	-0.0015 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 2	0.0008 ppm	-0.0022 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0009 ppm	-0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	12.501 %	-0.349 %	-0.004 %	1.742 %	1.947 %	0.496 %	1.586 %
Concentration RSD	52.4 %	22.0 %	10,919.2 %	26.5 %	79.5 %	231.0 %	117.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	101.6410 %	98.9567 %	97.8865 %	93.9366 %	98.6073 %	96.4072 %
Concentration per Run 1	0.0004 ppm	100.7745 %	98.9736 %	97.9247 %	93.3272 %	98.5158 %	96.3290 %
Concentration per Run 2	0.0004 ppm	101.9814 %	98.8646 %	97.9321 %	94.1881 %	98.6739 %	96.3158 %
Concentration per Run 3	0.0005 ppm	102.1672 %	99.0319 %	97.8028 %	94.2945 %	98.6321 %	96.5768 %
Recovery Percentage 1	9.148 %						
Concentration RSD	8.2 %	0.7 %	0.1 %	0.1 %	0.6 %	0.1 %	0.2 %

LabBook: WG2085564_07012025T5.imexp

Sample: L2536641-01 WG2084038
Analysis started at: 7/1/2025 9:54:25 PM
Comments <Comment>
Rack: 2
Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0372 ppm	0.0008 ppm	0.0246 ppm	0.0389 ppm	0.0000 ppm	36.2085 ppm
Concentration per Run 1	0.0002 ppm	0.0464 ppm	0.0004 ppm	0.0245 ppm	0.0386 ppm	0.0000 ppm	35.9577 ppm
Concentration per Run 2	-0.0001 ppm	0.0372 ppm	0.0016 ppm	0.0245 ppm	0.0392 ppm	0.0000 ppm	36.3760 ppm
Concentration per Run 3	0.0002 ppm	0.0281 ppm	0.0005 ppm	0.0248 ppm	0.0388 ppm	0.0000 ppm	36.2918 ppm
Concentration RSD	134.9 %	24.6 %	76.2 %	0.7 %	0.7 %	449.3 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0023 ppm	0.1507 ppm	0.5894 ppm	6.4952 ppm	0.0021 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0021 ppm	0.1508 ppm	0.5831 ppm	6.4184 ppm	0.0012 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0024 ppm	0.1512 ppm	0.5923 ppm	6.5489 ppm	0.0026 ppm
Concentration per Run 3	-0.0002 ppm	0.0005 ppm	0.0024 ppm	0.1503 ppm	0.5928 ppm	6.5183 ppm	0.0025 ppm
Concentration RSD	21.4 %	50.8 %	6.4 %	0.3 %	0.9 %	1.1 %	39.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.6931 ppm	0.0908 ppm	0.0027 ppm	302.3010 ppm	0.0152 ppm	0.0022 ppm	0.0006 ppm
Concentration per Run 1	8.7094 ppm	0.0901 ppm	0.0028 ppm	304.8369 ppm	0.0155 ppm	0.0021 ppm	0.0005 ppm
Concentration per Run 2	8.6843 ppm	0.0915 ppm	0.0027 ppm	300.3351 ppm	0.0151 ppm	0.0021 ppm	0.0003 ppm
Concentration per Run 3	8.6856 ppm	0.0909 ppm	0.0027 ppm	301.7312 ppm	0.0150 ppm	0.0022 ppm	0.0011 ppm
Concentration RSD	0.2 %	0.8 %	1.7 %	0.8 %	1.8 %	4.2 %	71.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	2.4885 ppm	0.0002 ppm	0.2173 ppm	0.0006 ppm	0.0011 ppm	0.0006 ppm
Concentration per Run 1	0.0008 ppm	2.4939 ppm	0.0004 ppm	0.2157 ppm	0.0006 ppm	0.0010 ppm	0.0005 ppm
Concentration per Run 2	0.0029 ppm	2.4836 ppm	0.0001 ppm	0.2191 ppm	0.0007 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run 3	-0.0029 ppm	2.4879 ppm	0.0001 ppm	0.2170 ppm	0.0005 ppm	0.0010 ppm	0.0007 ppm
Concentration RSD	1,085.4 %	0.2 %	110.3 %	0.8 %	12.5 %	15.8 %	11.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1199 ppm	101.9145 %	91.2709 %	92.0139 %	93.5296 %	85.8784 %	89.5617 %
Concentration per Run 1	0.1203 ppm	102.8585 %	91.2947 %	91.9230 %	94.0881 %	85.7213 %	89.3492 %
Concentration per Run 2	0.1197 ppm	101.6343 %	91.3448 %	92.1667 %	93.0548 %	85.9493 %	89.6744 %
Concentration per Run 3	0.1199 ppm	101.2506 %	91.1733 %	91.9521 %	93.4461 %	85.9646 %	89.6615 %
Concentration RSD	0.3 %	0.8 %	0.1 %	0.1 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: Blank JMF Trace8
Analysis started at: 7/1/2025 6:02:17 AM
Rack 0
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.7 %	-0.8 %	2.0 %	0.1 %	0.5 %	-0.3 %	-0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.3 %	0.1 %	-0.3 %	0.1 %	-0.9 %	0.3 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	-0.6 %	0.1 %	0.2 %	0.1 %	0.1 %	-32.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.1 %	0.7 %	0.3 %	0.8 %	-0.2 %	-0.5 %	-1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: ICAL
Analysis started at: 7/1/2025 6:05:51 AM
Rack 0
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run	1.0005 ppm	25.0625 ppm	0.9982 ppm	1.0020 ppm	0.9978 ppm	1.0000 ppm	9.9699 ppm
Concentration per Run	0.9993 ppm	24.9397 ppm	1.0005 ppm	0.9942 ppm	0.9982 ppm	0.9930 ppm	10.0135 ppm
Concentration per Run	1.0002 ppm	24.9977 ppm	1.0013 ppm	1.0038 ppm	1.0039 ppm	1.0070 ppm	10.0165 ppm
Concentration RSD	0.1 %	0.2 %	0.2 %	0.5 %	0.3 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run	1.0063 ppm	1.0017 ppm	0.9986 ppm	1.0047 ppm	25.1218 ppm	35.2541 ppm	0.9908 ppm
Concentration per Run	0.9973 ppm	0.9963 ppm	0.9960 ppm	0.9958 ppm	24.8142 ppm	34.6022 ppm	1.0038 ppm
Concentration per Run	0.9964 ppm	1.0020 ppm	1.0054 ppm	0.9995 ppm	25.0640 ppm	35.1437 ppm	1.0054 ppm
Concentration RSD	0.5 %	0.3 %	0.5 %	0.4 %	0.7 %	1.0 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	10.0164 ppm	0.9977 ppm	0.9952 ppm	24.9585 ppm	0.9994 ppm	0.9988 ppm	1.0038 ppm
Concentration per Run	9.9455 ppm	0.9989 ppm	0.9974 ppm	24.9279 ppm	0.9996 ppm	1.0018 ppm	0.9937 ppm
Concentration per Run	10.0382 ppm	1.0034 ppm	1.0074 ppm	25.1136 ppm	1.0010 ppm	0.9994 ppm	1.0026 ppm
Concentration RSD	0.5 %	0.3 %	0.6 %	0.4 %	0.1 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run	0.9981 ppm	10.0124 ppm	1.0021 ppm	1.0014 ppm	0.9986 ppm	0.9969 ppm	1.0033 ppm
Concentration per Run	1.0031 ppm	9.9742 ppm	0.9966 ppm	0.9944 ppm	0.9974 ppm	1.0018 ppm	0.9983 ppm
Concentration per Run	0.9988 ppm	10.0134 ppm	1.0013 ppm	1.0042 ppm	1.0040 ppm	1.0014 ppm	0.9984 ppm
Concentration RSD	0.3 %	0.2 %	0.3 %	0.5 %	0.4 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	94.8948 %	100.6850 %	92.1613 %	92.2731 %	98.7712 %	93.7884 %
Concentration per Run	1.0023 ppm	94.5841 %	100.5012 %	91.8552 %	92.0129 %	98.9082 %	93.4116 %
Concentration per Run	0.9998 ppm	95.2749 %	100.9446 %	92.2623 %	92.5442 %	98.9719 %	93.9246 %
Concentration per Run	0.9979 ppm	94.8254 %	100.6092 %	92.3665 %	92.2622 %	98.4337 %	94.0289 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.3 %	0.3 %	0.3 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:19:58 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5012 ppm	0.4794 ppm	0.4528 ppm	0.4751 ppm	0.5040 ppm	0.5090 ppm	0.5021 ppm
Concentration per Run	0.5013 ppm	0.4779 ppm	0.4515 ppm	0.4807 ppm	0.5045 ppm	0.5109 ppm	0.5064 ppm
Concentration per Run	0.5023 ppm	0.4896 ppm	0.4530 ppm	0.4730 ppm	0.5174 ppm	0.5201 ppm	0.5076 ppm
Concentration per Run	0.4999 ppm	0.4705 ppm	0.4538 ppm	0.4716 ppm	0.4902 ppm	0.4960 ppm	0.4922 ppm
Recovery Percentage	100.232 %	95.871 %	90.551 %	95.022 %	100.806 %	101.799 %	100.413 %
Concentration RSD	0.2 %	2.0 %	0.3 %	1.0 %	2.7 %	2.4 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4867 ppm	0.4947 ppm	0.4959 ppm	0.5014 ppm	0.5079 ppm	5.2271 ppm	0.5113 ppm
Concentration per Run	0.4907 ppm	0.4962 ppm	0.4985 ppm	0.5015 ppm	0.5114 ppm	5.2510 ppm	0.5098 ppm
Concentration per Run	0.4832 ppm	0.4939 ppm	0.4974 ppm	0.5019 ppm	0.5176 ppm	5.3134 ppm	0.5201 ppm
Concentration per Run	0.4862 ppm	0.4942 ppm	0.4917 ppm	0.5007 ppm	0.4948 ppm	5.1170 ppm	0.5040 ppm
Recovery Percentage	97.339 %	98.948 %	99.177 %	100.275 %	101.584 %	104.542 %	102.264 %
Concentration RSD	0.8 %	0.3 %	0.7 %	0.1 %	2.3 %	1.9 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4853 ppm	0.5061 ppm	0.4851 ppm	10.2964 ppm	0.4962 ppm	0.4944 ppm	0.4858 ppm
Concentration per Run	0.4865 ppm	0.5065 ppm	0.4850 ppm	10.1882 ppm	0.4984 ppm	0.4952 ppm	0.4831 ppm
Concentration per Run	0.4877 ppm	0.5161 ppm	0.4836 ppm	10.5553 ppm	0.4978 ppm	0.4950 ppm	0.4867 ppm
Concentration per Run	0.4818 ppm	0.4957 ppm	0.4868 ppm	10.1455 ppm	0.4925 ppm	0.4930 ppm	0.4876 ppm
Recovery Percentage	97.065 %	101.216 %	97.021 %	102.964 %	99.250 %	98.882 %	97.161 %
Concentration RSD	0.6 %	2.0 %	0.3 %	2.2 %	0.7 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4563 ppm	5.2505 ppm	0.4960 ppm	0.4990 ppm	0.4924 ppm	0.5034 ppm	0.4990 ppm
Concentration per Run	0.4545 ppm	5.2594 ppm	0.5047 ppm	0.5026 ppm	0.4919 ppm	0.5038 ppm	0.5012 ppm
Concentration per Run	0.4573 ppm	5.2476 ppm	0.4934 ppm	0.5109 ppm	0.4950 ppm	0.5034 ppm	0.4985 ppm
Concentration per Run	0.4572 ppm	5.2446 ppm	0.4897 ppm	0.4835 ppm	0.4903 ppm	0.5032 ppm	0.4971 ppm
Recovery Percentage	91.267 %	100.010 %	99.190 %	99.805 %	98.481 %	100.688 %	99.790 %
Concentration RSD	0.3 %	0.1 %	1.6 %	2.8 %	0.5 %	0.1 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4835 ppm	102.2371 %	101.7220 %	100.8292 %	100.7485 %	99.4106 %	101.2568 %
Concentration per Run	0.4879 ppm	100.9548 %	101.9813 %	100.5359 %	99.4941 %	98.0269 %	101.1345 %
Concentration per Run	0.4819 ppm	102.7459 %	99.7475 %	100.9425 %	100.7640 %	97.7202 %	101.4629 %
Concentration per Run	0.4808 ppm	103.0107 %	103.4371 %	101.0093 %	101.9872 %	102.4846 %	101.1729 %
Recovery Percentage	96.703 %						
Concentration RSD	0.8 %	1.1 %	1.8 %	0.3 %	1.2 %	2.7 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: ICB
Analysis started at: 7/1/2025 6:23:36 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.0015 ppm	-0.0010 ppm	0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run	0.0002 ppm	-0.0019 ppm	-0.0023 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	-0.0035 ppm
Concentration per Run	0.0003 ppm	0.0048 ppm	-0.0004 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run	0.0007 ppm	0.0015 ppm	-0.0005 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm
Recovery Percentage	7.993 %	1.466 %	-20.892 %	2.113 %	1.166 %	1.380 %	-0.559 %
Concentration RSD	56.8 %	230.0 %	103.1 %	104.9 %	55.1 %	14.0 %	476.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0008 ppm	-0.0002 ppm	-0.0077 ppm	0.0004 ppm
Concentration per Run	0.0002 ppm	0.0007 ppm	-0.0001 ppm	0.0008 ppm	-0.0006 ppm	0.0040 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0005 ppm	-0.0147 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0009 ppm	-0.0006 ppm	-0.0123 ppm	0.0002 ppm
Recovery Percentage	2.795 %	2.109 %	-0.819 %	7.728 %	-0.425 %	-0.307 %	4.367 %
Concentration RSD	55.6 %	206.0 %	380.7 %	16.6 %	291.7 %	132.6 %	55.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0052 ppm	-0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0033 ppm
Concentration per Run	0.0004 ppm	0.0000 ppm	0.0054 ppm	-0.0027 ppm	0.0006 ppm	-0.0007 ppm	0.0030 ppm
Concentration per Run	-0.0004 ppm	0.0001 ppm	0.0054 ppm	0.0013 ppm	-0.0001 ppm	-0.0015 ppm	0.0032 ppm
Concentration per Run	-0.0005 ppm	0.0001 ppm	0.0049 ppm	0.0012 ppm	0.0003 ppm	0.0002 ppm	0.0037 ppm
Recovery Percentage	-0.143 %	0.723 %	10.460 %	-0.004 %	0.963 %	-6.547 %	6.553 %
Concentration RSD	339.2 %	36.7 %	5.6 %	3,121.0 %	141.8 %	125.2 %	11.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0084 ppm	0.0011 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run	0.0082 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0082 ppm	0.0022 ppm	-0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run	0.0086 ppm	0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm
Recovery Percentage	83.512 %	0.219 %	-0.117 %	0.585 %	0.813 %	-3.257 %	1.431 %
Concentration RSD	2.6 %	85.7 %	121.4 %	72.9 %	560.7 %	112.2 %	64.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	93.5674 %	101.6913 %	95.7459 %	94.1850 %	102.7195 %	96.2328 %
Concentration per Run	0.0003 ppm	93.1877 %	101.6069 %	95.6611 %	93.2925 %	102.3474 %	96.2907 %
Concentration per Run	0.0004 ppm	94.7566 %	101.8292 %	94.6503 %	95.7491 %	105.0455 %	95.1576 %
Concentration per Run	0.0000 ppm	92.7578 %	101.6377 %	96.9265 %	93.5134 %	100.7655 %	97.2503 %
Recovery Percentage	4.292 %						
Concentration RSD	101.6 %	1.1 %	0.1 %	1.2 %	1.4 %	2.1 %	1.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:27:00 AM
Rack 0
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5165 ppm	0.4836 ppm	0.4852 ppm	0.5075 ppm	0.5114 ppm	0.5202 ppm	0.5079 ppm
Concentration per Run	0.5159 ppm	0.4800 ppm	0.4831 ppm	0.5038 ppm	0.5125 ppm	0.5225 ppm	0.5089 ppm
Concentration per Run	0.5153 ppm	0.4863 ppm	0.4836 ppm	0.5083 ppm	0.5128 ppm	0.5198 ppm	0.5083 ppm
Concentration per Run	0.5183 ppm	0.4844 ppm	0.4890 ppm	0.5105 ppm	0.5088 ppm	0.5182 ppm	0.5064 ppm
Recovery Percentage	103.304 %	96.714 %	97.041 %	101.501 %	102.276 %	104.032 %	101.576 %
Concentration RSD	0.3 %	0.7 %	0.7 %	0.7 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5116 ppm	0.5180 ppm	0.5210 ppm	0.5140 ppm	0.5168 ppm	5.2347 ppm	0.5141 ppm
Concentration per Run	0.5111 ppm	0.5170 ppm	0.5190 ppm	0.5135 ppm	0.5164 ppm	5.2994 ppm	0.5113 ppm
Concentration per Run	0.5133 ppm	0.5188 ppm	0.5203 ppm	0.5152 ppm	0.5158 ppm	5.2149 ppm	0.5175 ppm
Concentration per Run	0.5102 ppm	0.5182 ppm	0.5238 ppm	0.5134 ppm	0.5181 ppm	5.1896 ppm	0.5133 ppm
Recovery Percentage	102.314 %	103.595 %	104.206 %	102.805 %	103.355 %	104.693 %	102.812 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.2 %	0.2 %	1.1 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5138 ppm	0.5131 ppm	0.5067 ppm	10.2714 ppm	0.5224 ppm	0.5055 ppm	0.5226 ppm
Concentration per Run	0.5151 ppm	0.5114 ppm	0.5028 ppm	10.2657 ppm	0.5193 ppm	0.5024 ppm	0.5188 ppm
Concentration per Run	0.5108 ppm	0.5143 ppm	0.5072 ppm	10.2916 ppm	0.5254 ppm	0.5077 ppm	0.5276 ppm
Concentration per Run	0.5154 ppm	0.5137 ppm	0.5100 ppm	10.2568 ppm	0.5224 ppm	0.5063 ppm	0.5213 ppm
Recovery Percentage	102.756 %	102.623 %	101.336 %	102.714 %	104.475 %	101.099 %	104.515 %
Concentration RSD	0.5 %	0.3 %	0.7 %	0.2 %	0.6 %	0.5 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4929 ppm	5.5920 ppm	0.5248 ppm	0.5057 ppm	0.5138 ppm	0.5020 ppm	0.5180 ppm
Concentration per Run	0.4865 ppm	5.5768 ppm	0.5218 ppm	0.5093 ppm	0.5135 ppm	0.4989 ppm	0.5182 ppm
Concentration per Run	0.4928 ppm	5.5934 ppm	0.5278 ppm	0.5052 ppm	0.5123 ppm	0.5003 ppm	0.5173 ppm
Concentration per Run	0.4994 ppm	5.6059 ppm	0.5248 ppm	0.5028 ppm	0.5157 ppm	0.5068 ppm	0.5185 ppm
Recovery Percentage	98.574 %	106.515 %	104.956 %	101.149 %	102.760 %	100.402 %	103.605 %
Concentration RSD	1.3 %	0.3 %	0.6 %	0.7 %	0.3 %	0.8 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5189 ppm	95.7238 %	102.4242 %	95.9162 %	94.7136 %	100.2341 %	95.8073 %
Concentration per Run	0.5166 ppm	95.3429 %	102.7158 %	96.0393 %	94.9701 %	99.9326 %	95.7611 %
Concentration per Run	0.5221 ppm	95.8582 %	102.2620 %	95.4749 %	94.5439 %	100.8399 %	95.4104 %
Concentration per Run	0.5180 ppm	95.9704 %	102.2949 %	96.2344 %	94.6267 %	99.9298 %	96.2505 %
Recovery Percentage	103.783 %						
Concentration RSD	0.6 %	0.3 %	0.2 %	0.4 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: ICB
Analysis started at: 7/1/2025 6:30:26 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0008 ppm	-0.0009 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	-0.0002 ppm	0.0048 ppm	-0.0013 ppm	0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0005 ppm	0.0021 ppm	-0.0018 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run	-0.0002 ppm	-0.0046 ppm	0.0002 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Recovery Percentage	1.351 %	0.778 %	-18.819 %	4.894 %	0.349 %	0.242 %	-0.292 %
Concentration RSD	606.3 %	622.4 %	111.9 %	46.7 %	187.3 %	287.9 %	56.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0007 ppm	0.0043 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0009 ppm	-0.0016 ppm	0.0189 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0009 ppm	-0.0046 ppm	0.0007 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0003 ppm	0.0005 ppm	-0.0014 ppm	-0.0001 ppm
Recovery Percentage	3.057 %	-0.661 %	-0.031 %	6.623 %	-1.306 %	0.173 %	2.749 %
Concentration RSD	44.0 %	347.3 %	5,934.6 %	45.8 %	167.6 %	295.2 %	143.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	0.0000 ppm	0.0048 ppm	-0.0030 ppm	-0.0007 ppm	-0.0005 ppm	0.0034 ppm
Concentration per Run	0.0031 ppm	0.0000 ppm	0.0055 ppm	-0.0027 ppm	-0.0008 ppm	-0.0008 ppm	0.0066 ppm
Concentration per Run	-0.0019 ppm	-0.0001 ppm	0.0038 ppm	-0.0026 ppm	-0.0008 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0052 ppm	-0.0037 ppm	-0.0005 ppm	-0.0010 ppm	0.0024 ppm
Recovery Percentage	0.437 %	-0.469 %	9.663 %	-0.150 %	-2.813 %	-5.481 %	6.824 %
Concentration RSD	573.7 %	108.7 %	19.3 %	19.6 %	27.2 %	106.1 %	82.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0059 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run	0.0053 ppm	0.0044 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0005 ppm
Concentration per Run	0.0062 ppm	0.0015 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm	0.0001 ppm
Concentration per Run	0.0062 ppm	-0.0015 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0000 ppm
Recovery Percentage	58.879 %	0.289 %	0.332 %	0.202 %	0.371 %	6.163 %	2.044 %
Concentration RSD	9.1 %	204.0 %	263.5 %	172.1 %	187.8 %	38.3 %	121.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	93.1357 %	101.3973 %	95.3578 %	93.1986 %	102.0457 %	95.8547 %
Concentration per Run	0.0000 ppm	92.5863 %	101.4286 %	94.6960 %	93.3442 %	102.7649 %	95.1314 %
Concentration per Run	0.0001 ppm	94.2494 %	101.3407 %	95.2133 %	93.7741 %	100.1736 %	95.6668 %
Concentration per Run	0.0003 ppm	92.5715 %	101.4225 %	96.1641 %	92.4774 %	103.1985 %	96.7659 %
Recovery Percentage	2.241 %						
Concentration RSD	152.4 %	1.0 %	0.0 %	0.8 %	0.7 %	1.6 %	0.9 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LLOQ
Analysis started at: 7/1/2025 6:33:50 AM
Rack 0
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0050 ppm	0.1025 ppm	**0.0038 ppm**	0.0322 ppm	0.0103 ppm	0.0052 ppm	**0.1222 ppm**
Concentration per Run	0.0047 ppm	0.1057 ppm	0.0031 ppm	0.0318 ppm	0.0102 ppm	0.0051 ppm	0.1196 ppm
Concentration per Run	0.0053 ppm	0.1022 ppm	0.0061 ppm	0.0329 ppm	0.0105 ppm	0.0053 ppm	0.1243 ppm
Concentration per Run	0.0052 ppm	0.0997 ppm	0.0024 ppm	0.0321 ppm	0.0103 ppm	0.0052 ppm	0.1228 ppm
Recovery Percentage	100.965 %	102.544 %	76.933 %	107.499 %	103.336 %	103.725 %	122.247 %
Concentration RSD	6.5 %	2.9 %	**51.3 %**	1.8 %	1.6 %	1.1 %	**2.0 %**

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0041 ppm	0.0103 ppm	0.0103 ppm	0.0110 ppm	**0.0837 ppm**	2.6601 ppm	0.0117 ppm
Concentration per Run	0.0041 ppm	0.0100 ppm	0.0098 ppm	0.0113 ppm	0.0835 ppm	2.6661 ppm	0.0119 ppm
Concentration per Run	0.0040 ppm	0.0105 ppm	0.0104 ppm	0.0110 ppm	0.0835 ppm	2.6603 ppm	0.0114 ppm
Concentration per Run	0.0042 ppm	0.0104 ppm	0.0107 ppm	0.0108 ppm	0.0842 ppm	2.6538 ppm	0.0117 ppm
Recovery Percentage	102.683 %	102.707 %	102.901 %	110.400 %	167.497 %	106.402 %	116.644 %
Concentration RSD	1.9 %	2.8 %	4.0 %	2.3 %	**0.5 %**	0.2 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1065 ppm	0.0103 ppm	0.0519 ppm	2.1029 ppm	0.0199 ppm	0.0094 ppm	0.0518 ppm
Concentration per Run	0.1069 ppm	0.0102 ppm	0.0521 ppm	2.1190 ppm	0.0195 ppm	0.0096 ppm	0.0527 ppm
Concentration per Run	0.1079 ppm	0.0106 ppm	0.0515 ppm	2.0931 ppm	0.0200 ppm	0.0091 ppm	0.0494 ppm
Concentration per Run	0.1047 ppm	0.0102 ppm	0.0521 ppm	2.0966 ppm	0.0203 ppm	0.0095 ppm	0.0533 ppm
Recovery Percentage	106.520 %	103.119 %	103.747 %	105.146 %	99.609 %	93.896 %	103.583 %
Concentration RSD	1.6 %	2.2 %	0.7 %	0.7 %	2.1 %	3.2 %	4.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	**0.0145 ppm**	0.5252 ppm	0.0525 ppm	0.0101 ppm	0.0098 ppm	0.0178 ppm	0.0098 ppm
Concentration per Run	0.0159 ppm	0.5245 ppm	0.0521 ppm	0.0101 ppm	0.0099 ppm	0.0165 ppm	0.0099 ppm
Concentration per Run	0.0139 ppm	0.5258 ppm	0.0535 ppm	0.0102 ppm	0.0096 ppm	0.0192 ppm	0.0098 ppm
Concentration per Run	0.0136 ppm	0.5253 ppm	0.0519 ppm	0.0101 ppm	0.0099 ppm	0.0176 ppm	0.0097 ppm
Recovery Percentage	144.523 %	105.044 %	104.981 %	101.076 %	97.941 %	88.859 %	98.182 %
Concentration RSD	**8.7 %**	0.1 %	1.7 %	0.8 %	1.7 %	7.7 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	**0.0063 ppm**	96.2759 %	102.4159 %	97.5473 %	95.0220 %	102.2440 %	97.1886 %
Concentration per Run	0.0066 ppm	96.4366 %	103.8195 %	98.2064 %	95.3798 %	104.9726 %	97.8869 %
Concentration per Run	0.0061 ppm	96.4693 %	100.8091 %	97.8985 %	94.4846 %	99.7047 %	97.5813 %
Concentration per Run	0.0063 ppm	95.9219 %	102.6193 %	96.5370 %	95.2014 %	102.0546 %	96.0976 %
Recovery Percentage	126.582 %						
Concentration RSD	**3.4 %**	0.3 %	1.5 %	0.9 %	0.5 %	2.6 %	1.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: ICSA
Analysis started at: 7/1/2025 6:37:15 AM
Rack 0
Vial 6
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0035 ppm	516.4660 [SIC 1000]	-0.0010 ppm	-0.0024 ppm	0.0022 ppm	0.0001 ppm	462.3259 ppm
Concentration per Run	0.0039 ppm	515.7496 ppm	0.0003 ppm	-0.0043 ppm	0.0021 ppm	0.0001 ppm	460.9196 ppm
Concentration per Run	0.0031 ppm	516.9947 ppm	0.0001 ppm	-0.0008 ppm	0.0022 ppm	0.0000 ppm	463.3841 ppm
Concentration per Run	0.0035 ppm	516.6536 ppm	-0.0036 ppm	-0.0021 ppm	0.0022 ppm	0.0001 ppm	462.6740 ppm
Recovery Percentage	69.795 %	516,465.982 %	-20.986 %	-8.044 %	21.568 %	1.148 %	462,325.898 %
Concentration RSD	10.4 %	0.1 %	211.1 %	72.2 %	2.3 %	27.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0032 ppm	-0.0004 ppm	0.0004 ppm	-0.0065 ppm	183.6370 ppm	-0.0071 ppm	0.0008 ppm
Concentration per Run	-0.0032 ppm	-0.0003 ppm	0.0007 ppm	-0.0069 ppm	184.0601 ppm	-0.0076 ppm	0.0012 ppm
Concentration per Run	-0.0032 ppm	-0.0002 ppm	0.0002 ppm	-0.0061 ppm	184.3116 ppm	-0.0115 ppm	0.0003 ppm
Concentration per Run	-0.0033 ppm	-0.0008 ppm	0.0003 ppm	-0.0064 ppm	182.5394 ppm	-0.0022 ppm	0.0008 ppm
Recovery Percentage	-80.988 %	-4.016 %	4.061 %	-65.051 %	367,274.070 %	-0.283 %	7.503 %
Concentration RSD	1.5 %	81.4 %	64.5 %	6.2 %	0.5 %	65.9 %	62.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	463.8688 ppm	0.0018 ppm	0.0017 ppm	0.0186 ppm	0.0001 ppm	-0.0148 ppm	0.0005 ppm
Concentration per Run	470.7202 ppm	0.0017 ppm	0.0013 ppm	0.0180 ppm	-0.0001 ppm	-0.0134 ppm	0.0076 ppm
Concentration per Run	455.6515 ppm	0.0018 ppm	0.0017 ppm	0.0187 ppm	0.0007 ppm	-0.0150 ppm	-0.0058 ppm
Concentration per Run	465.2348 ppm	0.0018 ppm	0.0020 ppm	0.0190 ppm	-0.0003 ppm	-0.0159 ppm	-0.0004 ppm
Recovery Percentage	463,868.847 %	17.564 %	3.342 %	0.930 %	0.415 %	-147.504 %	0.910 %
Concentration RSD	1.6 %	3.0 %	23.7 %	2.7 %	513.3 %	8.4 %	1,481.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	-0.0142 ppm	0.0007 ppm	0.0094 ppm	0.0004 ppm	0.0023 ppm	-0.0017 ppm
Concentration per Run	0.0042 ppm	-0.0164 ppm	0.0012 ppm	0.0094 ppm	0.0002 ppm	0.0026 ppm	-0.0014 ppm
Concentration per Run	0.0066 ppm	-0.0135 ppm	-0.0004 ppm	0.0094 ppm	0.0004 ppm	0.0031 ppm	-0.0019 ppm
Concentration per Run	-0.0009 ppm	-0.0127 ppm	0.0012 ppm	0.0093 ppm	0.0006 ppm	0.0011 ppm	-0.0019 ppm
Recovery Percentage	32.968 %	-2.840 %	1.326 %	93.738 %	4.104 %	11.310 %	-17.378 %
Concentration RSD	116.4 %	13.6 %	139.2 %	0.7 %	40.1 %	45.9 %	15.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	86.6993 %	94.1754 %	79.0861 %	84.2358 %	96.3194 %	86.4833 %
Concentration per Run	-0.0006 ppm	86.4490 %	94.2525 %	79.8122 %	84.5145 %	97.4957 %	87.1441 %
Concentration per Run	0.0001 ppm	87.6558 %	93.6024 %	78.1293 %	84.7093 %	95.7222 %	85.6806 %
Concentration per Run	-0.0002 ppm	85.9931 %	94.6712 %	79.3169 %	83.4835 %	95.7401 %	86.6251 %
Recovery Percentage	-4.442 %						
Concentration RSD	146.9 %	1.0 %	0.6 %	1.1 %	0.8 %	1.1 %	0.9 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: SIC Multi
Analysis started at: 7/1/2025 6:42:10 AM
Rack 0
Vial 7
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0011 ppm	0.0333 ppm	-0.0085 ppm	0.0037 ppm	0.0002 ppm	-0.0025 ppm	0.0180 ppm
Concentration per Run	-0.0006 ppm	0.0360 ppm	-0.0076 ppm	0.0018 ppm	0.0002 ppm	-0.0024 ppm	0.0185 ppm
Concentration per Run	-0.0014 ppm	0.0310 ppm	-0.0088 ppm	0.0042 ppm	0.0002 ppm	-0.0025 ppm	0.0183 ppm
Concentration per Run	-0.0012 ppm	0.0329 ppm	-0.0090 ppm	0.0052 ppm	0.0001 ppm	-0.0025 ppm	0.0172 ppm
Recovery Percentage	-21.599 %	33.333 %	-169.503 %	12.439 %	1.656 %	-49.382 %	17.995 %
Concentration RSD	39.3 %	7.6 %	8.6 %	47.2 %	18.8 %	1.9 %	3.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0009 ppm	**20.2821 ppm**	-0.0016 ppm	0.0180 ppm	0.0080 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	-0.0009 ppm	20.2962 ppm	-0.0015 ppm	0.0198 ppm	0.0179 ppm	0.0007 ppm
Concentration per Run	-0.0002 ppm	-0.0010 ppm	20.3761 ppm	-0.0017 ppm	0.0180 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run	-0.0002 ppm	-0.0008 ppm	20.1740 ppm	-0.0014 ppm	0.0162 ppm	0.0058 ppm	0.0010 ppm
Recovery Percentage	-3.510 %	-9.294 %	202,820.806 %	-15.667 %	35.959 %	0.318 %	6.319 %
Concentration RSD	39.9 %	10.8 %	**0.5 %**	10.0 %	10.0 %	113.9 %	63.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0233 ppm	**19.7670 ppm**	0.0022 ppm	0.0043 ppm	-0.0002 ppm	-0.0018 ppm	0.0081 ppm
Concentration per Run	0.0242 ppm	19.8014 ppm	0.0019 ppm	0.0043 ppm	0.0001 ppm	-0.0006 ppm	0.0106 ppm
Concentration per Run	0.0236 ppm	19.8104 ppm	0.0028 ppm	0.0041 ppm	-0.0006 ppm	-0.0027 ppm	0.0060 ppm
Concentration per Run	0.0221 ppm	19.6892 ppm	0.0018 ppm	0.0045 ppm	-0.0002 ppm	-0.0022 ppm	0.0078 ppm
Recovery Percentage	23.293 %	197,670.074 %	4.309 %	0.214 %	-0.940 %	-18.278 %	16.292 %
Concentration RSD	4.6 %	**0.3 %**	24.2 %	4.6 %	158.2 %	58.9 %	28.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	0.1154 ppm	-0.0051 ppm	0.0000 ppm	**19.7451 ppm**	0.0092 ppm	**9.9971 ppm**
Concentration per Run	0.0043 ppm	0.0913 ppm	-0.0051 ppm	0.0001 ppm	19.7298 ppm	0.0106 ppm	10.0125 ppm
Concentration per Run	0.0027 ppm	0.1204 ppm	-0.0058 ppm	0.0000 ppm	19.8983 ppm	0.0036 ppm	9.9907 ppm
Concentration per Run	0.0049 ppm	0.1347 ppm	-0.0044 ppm	0.0000 ppm	19.6071 ppm	0.0134 ppm	9.9879 ppm
Recovery Percentage	39.608 %	23.089 %	-10.159 %	0.478 %	197,450.937 %	46.004 %	99,970.688 %
Concentration RSD	29.2 %	19.1 %	14.5 %	43.2 %	**0.7 %**	54.5 %	**0.1 %**

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0015 ppm	94.9371 %	102.6322 %	75.9796 %	93.6433 %	103.7238 %	96.2853 %
Concentration per Run	-0.0017 ppm	94.9629 %	102.3902 %	75.2696 %	93.8321 %	103.2956 %	95.3478 %
Concentration per Run	-0.0015 ppm	94.5730 %	102.7117 %	76.7326 %	93.3414 %	104.4891 %	97.3992 %
Concentration per Run	-0.0013 ppm	95.2754 %	102.7947 %	75.9366 %	93.7564 %	103.3868 %	96.1089 %
Recovery Percentage	-30.410 %						
Concentration RSD	10.6 %	0.4 %	0.2 %	1.0 %	0.3 %	0.6 %	1.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LDR Check
Analysis started at: 7/1/2025 6:46:36 AM
Rack 0
Vial 8
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	-0.0051 ppm	5.6727 ppm	5.3008 [SIC 20]	10.1726 [SIC 20]	0.0016 ppm	0.0318 ppm
Concentration per Run	0.0005 ppm	-0.0029 ppm	5.6767 ppm	5.2125 ppm	10.1982 ppm	0.0016 ppm	0.0316 ppm
Concentration per Run	0.0016 ppm	-0.0092 ppm	5.6475 ppm	5.2625 ppm	10.0997 ppm	0.0016 ppm	0.0304 ppm
Concentration per Run	0.0010 ppm	-0.0031 ppm	5.6939 ppm	5.4274 ppm	10.2201 ppm	0.0016 ppm	0.0333 ppm
Recovery Percentage			113.454 %	106.015 %	101.726 %		0.000 %
Concentration RSD	54.4 %	70.5 %	0.4 %	2.1 %	0.6 %	1.3 %	4.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0015 ppm	0.0032 ppm	0.0016 ppm	20.2392 [SIC 40]	0.0141 ppm	323.5847 ppm	5.2513 ppm
Concentration per Run	0.0015 ppm	0.0034 ppm	0.0026 ppm	20.1365 ppm	0.0142 ppm	323.6173 ppm	5.2387 ppm
Concentration per Run	0.0015 ppm	0.0029 ppm	0.0010 ppm	20.0478 ppm	0.0151 ppm	323.7310 ppm	5.1997 ppm
Concentration per Run	0.0014 ppm	0.0033 ppm	0.0011 ppm	20.5333 ppm	0.0131 ppm	323.4058 ppm	5.3154 ppm
Recovery Percentage	0.000 %	0.000 %		101.196 %	0.000 %	107.862 %	105.026 %
Concentration RSD	4.2 %	8.5 %	56.4 %	1.3 %	7.3 %	0.1 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0020 ppm	0.0017 ppm	5.1602 [SIC 20]	473.0376 ppm	10.4262 [SIC 50]	51.5439 ppm	0.0196 ppm
Concentration per Run	0.0017 ppm	0.0018 ppm	5.1206 ppm	475.0579 ppm	10.3397 ppm	51.5420 ppm	0.0197 ppm
Concentration per Run	0.0003 ppm	0.0017 ppm	5.1720 ppm	473.2441 ppm	10.3383 ppm	51.5651 ppm	0.0214 ppm
Concentration per Run	0.0040 ppm	0.0015 ppm	5.1880 ppm	470.8108 ppm	10.6007 ppm	51.5247 ppm	0.0178 ppm
Recovery Percentage		0.000 %	103.204 %	94.608 %	104.262 %	103.088 %	0.000 %
Concentration RSD	94.0 %	7.6 %	0.7 %	0.5 %	1.4 %	0.0 %	9.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0044 ppm	22.2044 [SIC 200]	0.0029 ppm	0.0019 ppm	0.0108 ppm	-0.0007 ppm	-0.0024 ppm
Concentration per Run	0.0032 ppm	21.9963 ppm	0.0027 ppm	0.0019 ppm	0.0117 ppm	-0.0004 ppm	-0.0026 ppm
Concentration per Run	0.0036 ppm	22.0687 ppm	0.0033 ppm	0.0019 ppm	0.0104 ppm	-0.0010 ppm	-0.0022 ppm
Concentration per Run	0.0065 ppm	22.5480 ppm	0.0027 ppm	0.0019 ppm	0.0103 ppm	-0.0008 ppm	-0.0026 ppm
Recovery Percentage	0.000 %	111.022 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	41.0 %	1.4 %	12.9 %	0.4 %	7.2 %	39.2 %	9.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	20.5093 [SIC 20]	89.1099 %	96.4213 %	86.2478 %	87.2494 %	96.9377 %	86.2713 %
Concentration per Run	20.3556 ppm	89.9047 %	95.9133 %	86.4210 %	87.9387 %	96.7846 %	86.2428 %
Concentration per Run	20.3715 ppm	89.7786 %	97.1747 %	86.1340 %	87.9614 %	98.1619 %	86.3134 %
Concentration per Run	20.8008 ppm	87.6465 %	96.1760 %	86.1883 %	85.8481 %	95.8668 %	86.2578 %
Recovery Percentage	102.547 %						
Concentration RSD	1.2 %	1.4 %	0.7 %	0.2 %	1.4 %	1.2 %	0.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LLOQ 0.05ppm Ca Fe
Analysis started at: 7/1/2025 7:04:08 AM
Rack 1
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0524 ppm	0.0478 ppm	0.0463 ppm	0.0534 ppm	0.0518 ppm	0.0511 ppm	0.0570 ppm
Concentration per Run	0.0524 ppm	0.0479 ppm	0.0464 ppm	0.0532 ppm	0.0518 ppm	0.0514 ppm	0.0585 ppm
Concentration per Run	0.0523 ppm	0.0475 ppm	0.0460 ppm	0.0538 ppm	0.0520 ppm	0.0508 ppm	0.0556 ppm
Concentration per Run	0.0526 ppm	0.0481 ppm	0.0465 ppm	0.0533 ppm	0.0515 ppm	0.0511 ppm	0.0570 ppm
Recovery Percentage	0.000 %	95.668 %	0.000 %	0.000 %	0.000 %	0.000 %	114.057 %
Concentration RSD	0.2 %	0.6 %	0.5 %	0.7 %	0.4 %	0.6 %	2.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0512 ppm	0.0519 ppm	0.0516 ppm	0.0520 ppm	0.0512 ppm	**0.5703 ppm**	0.0554 ppm
Concentration per Run	0.0511 ppm	0.0518 ppm	0.0510 ppm	0.0522 ppm	0.0518 ppm	0.5840 ppm	0.0552 ppm
Concentration per Run	0.0511 ppm	0.0518 ppm	0.0516 ppm	0.0514 ppm	0.0501 ppm	0.5619 ppm	0.0562 ppm
Concentration per Run	0.0513 ppm	0.0520 ppm	0.0521 ppm	0.0523 ppm	0.0516 ppm	0.5650 ppm	0.0548 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	102.305 %	22.812 %	0.000 %
Concentration RSD	0.2 %	0.2 %	1.0 %	0.9 %	1.9 %	**2.1 %**	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0517 ppm	0.0511 ppm	0.0451 ppm	1.0804 ppm	0.0534 ppm	0.0505 ppm	0.0529 ppm
Concentration per Run	0.0506 ppm	0.0512 ppm	0.0450 ppm	1.0965 ppm	0.0534 ppm	0.0500 ppm	0.0557 ppm
Concentration per Run	0.0522 ppm	0.0507 ppm	0.0448 ppm	1.0709 ppm	0.0525 ppm	0.0505 ppm	0.0535 ppm
Concentration per Run	0.0522 ppm	0.0512 ppm	0.0455 ppm	1.0737 ppm	0.0542 ppm	0.0509 ppm	0.0495 ppm
Recovery Percentage	103.366 %	0.000 %	0.000 %	108.036 %	0.000 %	0.000 %	105.743 %
Concentration RSD	1.8 %	0.6 %	0.7 %	1.3 %	1.5 %	0.9 %	5.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0474 ppm	0.5428 ppm	0.0506 ppm	0.0511 ppm	0.0495 ppm	**0.0497 ppm**	0.0507 ppm
Concentration per Run	0.0479 ppm	0.5398 ppm	0.0511 ppm	0.0511 ppm	0.0492 ppm	0.0497 ppm	0.0504 ppm
Concentration per Run	0.0449 ppm	0.5452 ppm	0.0499 ppm	0.0513 ppm	0.0497 ppm	0.0503 ppm	0.0510 ppm
Concentration per Run	0.0493 ppm	0.5433 ppm	0.0509 ppm	0.0510 ppm	0.0497 ppm	0.0490 ppm	0.0508 ppm
Recovery Percentage	0.000 %	108.556 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	4.8 %	0.5 %	1.2 %	0.3 %	0.7 %	1.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0525 ppm	96.2783 %	102.8163 %	98.3946 %	95.3902 %	102.2994 %	97.5199 %
Concentration per Run	0.0524 ppm	96.6566 %	102.9683 %	98.3979 %	95.4633 %	103.6045 %	97.8923 %
Concentration per Run	0.0522 ppm	95.6483 %	102.7402 %	98.0091 %	95.1429 %	101.1828 %	96.9497 %
Concentration per Run	0.0529 ppm	96.5302 %	102.7406 %	98.7768 %	95.5644 %	102.1109 %	97.7175 %
Recovery Percentage	104.971 %						
Concentration RSD	0.7 %	0.6 %	0.1 %	0.4 %	0.2 %	1.2 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: zLLOQ 0.02ppm
Analysis started at: 7/1/2025 7:07:37 AM
Rack 1
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0209 ppm	0.0185 ppm	0.0184 ppm	0.0208 ppm	0.0206 ppm	0.0203 ppm	0.0222 ppm
Concentration per Run	0.0209 ppm	0.0195 ppm	0.0190 ppm	0.0194 ppm	0.0204 ppm	0.0202 ppm	0.0231 ppm
Concentration per Run	0.0211 ppm	0.0184 ppm	0.0180 ppm	0.0197 ppm	0.0206 ppm	0.0204 ppm	0.0223 ppm
Concentration per Run	0.0208 ppm	0.0175 ppm	0.0183 ppm	0.0232 ppm	0.0206 ppm	0.0202 ppm	0.0212 ppm
Concentration RSD	0.8 %	5.2 %	2.9 %	10.1 %	0.5 %	0.5 %	4.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0207 ppm	0.0209 ppm	0.0209 ppm	0.0207 ppm	0.0193 ppm	0.2275 ppm	0.0223 ppm
Concentration per Run	0.0204 ppm	0.0205 ppm	0.0213 ppm	0.0208 ppm	0.0201 ppm	0.2334 ppm	0.0231 ppm
Concentration per Run	0.0207 ppm	0.0206 ppm	0.0207 ppm	0.0207 ppm	0.0188 ppm	0.2158 ppm	0.0219 ppm
Concentration per Run	0.0208 ppm	0.0214 ppm	0.0208 ppm	0.0206 ppm	0.0191 ppm	0.2332 ppm	0.0218 ppm
Concentration RSD	0.9 %	2.3 %	1.5 %	0.6 %	3.6 %	4.5 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0198 ppm	0.0204 ppm	0.0200 ppm	0.4308 ppm	0.0213 ppm	0.0197 ppm	0.0230 ppm
Concentration per Run	0.0219 ppm	0.0203 ppm	0.0196 ppm	0.4355 ppm	0.0205 ppm	0.0207 ppm	0.0227 ppm
Concentration per Run	0.0195 ppm	0.0205 ppm	0.0197 ppm	0.4243 ppm	0.0213 ppm	0.0194 ppm	0.0238 ppm
Concentration per Run	0.0180 ppm	0.0204 ppm	0.0207 ppm	0.4326 ppm	0.0223 ppm	0.0189 ppm	0.0226 ppm
Concentration RSD	9.9 %	0.3 %	3.0 %	1.4 %	4.3 %	4.8 %	3.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0201 ppm	0.2181 ppm	0.0198 ppm	0.0203 ppm	0.0200 ppm	0.0205 ppm	0.0203 ppm
Concentration per Run	0.0199 ppm	0.2170 ppm	0.0203 ppm	0.0203 ppm	0.0198 ppm	0.0208 ppm	0.0202 ppm
Concentration per Run	0.0214 ppm	0.2182 ppm	0.0191 ppm	0.0202 ppm	0.0199 ppm	0.0205 ppm	0.0206 ppm
Concentration per Run	0.0190 ppm	0.2190 ppm	0.0200 ppm	0.0204 ppm	0.0203 ppm	0.0203 ppm	0.0202 ppm
Concentration RSD	5.9 %	0.5 %	3.3 %	0.4 %	1.4 %	1.4 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0210 ppm	95.9361 %	102.9871 %	97.2206 %	95.1065 %	103.6909 %	96.9156 %
Concentration per Run	0.0209 ppm	96.4781 %	102.7574 %	97.6856 %	95.6179 %	103.6569 %	97.6119 %
Concentration per Run	0.0210 ppm	94.9224 %	102.9116 %	97.6351 %	94.1156 %	102.9259 %	96.9819 %
Concentration per Run	0.0210 ppm	96.4078 %	103.2924 %	96.3412 %	95.5860 %	104.4899 %	96.1528 %
Concentration RSD	0.3 %	0.9 %	0.3 %	0.8 %	0.9 %	0.8 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LLOQ 0.01ppm Se
Analysis started at: 7/1/2025 7:10:59 AM
Rack 1
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0106 ppm	0.0106 ppm	0.0090 ppm	0.0117 ppm	0.0103 ppm	0.0101 ppm	0.0112 ppm
Concentration per Run	0.0103 ppm	0.0094 ppm	0.0078 ppm	0.0113 ppm	0.0104 ppm	0.0102 ppm	0.0135 ppm
Concentration per Run	0.0104 ppm	0.0100 ppm	0.0103 ppm	0.0104 ppm	0.0102 ppm	0.0101 ppm	0.0124 ppm
Concentration per Run	0.0110 ppm	0.0126 ppm	0.0090 ppm	0.0134 ppm	0.0103 ppm	0.0101 ppm	0.0079 ppm
Recovery Percentage	0.000 %	0.000 %	89.970 %	116.900 %	102.928 %	0.000 %	0.000 %
Concentration RSD	3.3 %	15.8 %	14.0 %	13.1 %	0.9 %	0.4 %	26.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0104 ppm	0.0105 ppm	0.0105 ppm	0.0108 ppm	0.0098 ppm	0.1259 ppm	0.0110 ppm
Concentration per Run	0.0105 ppm	0.0101 ppm	0.0107 ppm	0.0110 ppm	0.0095 ppm	0.1284 ppm	0.0111 ppm
Concentration per Run	0.0104 ppm	0.0106 ppm	0.0104 ppm	0.0108 ppm	0.0097 ppm	0.1338 ppm	0.0108 ppm
Concentration per Run	0.0103 ppm	0.0108 ppm	0.0103 ppm	0.0105 ppm	0.0100 ppm	0.1154 ppm	0.0112 ppm
Recovery Percentage	0.000 %	104.975 %	104.747 %	107.595 %	0.000 %	0.000 %	110.369 %
Concentration RSD	0.7 %	3.1 %	1.5 %	2.6 %	2.7 %	7.5 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0102 ppm	0.0102 ppm	0.0105 ppm	0.2173 ppm	0.0100 ppm	0.0096 ppm	0.0100 ppm
Concentration per Run	0.0116 ppm	0.0102 ppm	0.0105 ppm	0.2196 ppm	0.0102 ppm	0.0102 ppm	0.0080 ppm
Concentration per Run	0.0093 ppm	0.0101 ppm	0.0106 ppm	0.2149 ppm	0.0099 ppm	0.0101 ppm	0.0099 ppm
Concentration per Run	0.0098 ppm	0.0102 ppm	0.0102 ppm	0.2173 ppm	0.0100 ppm	0.0086 ppm	0.0122 ppm
Recovery Percentage	0.000 %	101.536 %	104.606 %	0.000 %	100.148 %	96.297 %	0.000 %
Concentration RSD	11.8 %	0.9 %	1.9 %	1.1 %	1.7 %	8.8 %	21.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0106 ppm	0.1115 ppm	0.0093 ppm	0.0101 ppm	0.0099 ppm	0.0097 ppm	0.0103 ppm
Concentration per Run	0.0098 ppm	0.1113 ppm	0.0102 ppm	0.0102 ppm	0.0099 ppm	0.0100 ppm	0.0104 ppm
Concentration per Run	0.0102 ppm	0.1099 ppm	0.0080 ppm	0.0100 ppm	0.0096 ppm	0.0102 ppm	0.0106 ppm
Concentration per Run	0.0118 ppm	0.1131 ppm	0.0098 ppm	0.0101 ppm	0.0101 ppm	0.0089 ppm	0.0098 ppm
Recovery Percentage	106.325 %	0.000 %	93.214 %	101.287 %	98.513 %	96.895 %	102.664 %
Concentration RSD	10.1 %	1.4 %	12.5 %	0.9 %	2.6 %	7.2 %	3.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0107 ppm	95.3933 %	102.7886 %	97.0312 %	95.5598 %	104.5831 %	97.0124 %
Concentration per Run	0.0107 ppm	94.4943 %	101.7577 %	96.2814 %	94.7837 %	101.9686 %	96.4026 %
Concentration per Run	0.0106 ppm	95.3927 %	103.1596 %	96.9063 %	95.2586 %	106.0973 %	96.8282 %
Concentration per Run	0.0107 ppm	96.2930 %	103.4486 %	97.9059 %	96.6372 %	105.6834 %	97.8065 %
Recovery Percentage	106.519 %						
Concentration RSD	0.3 %	0.9 %	0.9 %	0.8 %	1.0 %	2.2 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LLOQ 0.005ppm As Zn
Analysis started at: 7/1/2025 7:14:22 AM
Rack 1
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0051 ppm	0.0056 ppm	0.0043 ppm	0.0059 ppm	0.0052 ppm	0.0050 ppm	0.0066 ppm
Concentration per Run	0.0054 ppm	0.0071 ppm	0.0042 ppm	0.0060 ppm	0.0053 ppm	0.0050 ppm	0.0067 ppm
Concentration per Run	0.0049 ppm	0.0054 ppm	0.0037 ppm	0.0063 ppm	0.0052 ppm	0.0051 ppm	0.0075 ppm
Concentration per Run	0.0051 ppm	0.0043 ppm	0.0049 ppm	0.0052 ppm	0.0051 ppm	0.0050 ppm	0.0056 ppm
Recovery Percentage	102.154 %	0.000 %	85.604 %	0.000 %	0.000 %	100.957 %	0.000 %
Concentration RSD	5.0 %	25.3 %	14.3 %	10.4 %	1.4 %	0.1 %	13.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0053 ppm	0.0052 ppm	0.0054 ppm	0.0055 ppm	0.0044 ppm	0.0725 ppm	0.0058 ppm
Concentration per Run	0.0052 ppm	0.0053 ppm	0.0052 ppm	0.0056 ppm	0.0031 ppm	0.0786 ppm	0.0059 ppm
Concentration per Run	0.0054 ppm	0.0047 ppm	0.0053 ppm	0.0054 ppm	0.0048 ppm	0.0734 ppm	0.0051 ppm
Concentration per Run	0.0052 ppm	0.0057 ppm	0.0057 ppm	0.0055 ppm	0.0052 ppm	0.0657 ppm	0.0065 ppm
Recovery Percentage	105.465 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	2.7 %	9.3 %	4.7 %	1.7 %	25.2 %	9.0 %	11.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0064 ppm	0.0051 ppm	0.0057 ppm	0.1102 ppm	0.0056 ppm	0.0041 ppm	0.0076 ppm
Concentration per Run	0.0062 ppm	0.0051 ppm	0.0061 ppm	0.1119 ppm	0.0058 ppm	0.0044 ppm	0.0051 ppm
Concentration per Run	0.0057 ppm	0.0051 ppm	0.0060 ppm	0.1090 ppm	0.0058 ppm	0.0031 ppm	0.0098 ppm
Concentration per Run	0.0073 ppm	0.0051 ppm	0.0050 ppm	0.1098 ppm	0.0052 ppm	0.0048 ppm	0.0080 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	13.4 %	0.3 %	10.2 %	1.3 %	6.0 %	22.0 %	31.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0074 ppm	0.0546 ppm	0.0047 ppm	0.0051 ppm	0.0048 ppm	0.0042 ppm	0.0051 ppm
Concentration per Run	0.0063 ppm	0.0546 ppm	0.0048 ppm	0.0052 ppm	0.0050 ppm	0.0043 ppm	0.0051 ppm
Concentration per Run	0.0100 ppm	0.0554 ppm	0.0051 ppm	0.0051 ppm	0.0049 ppm	0.0039 ppm	0.0050 ppm
Concentration per Run	0.0059 ppm	0.0538 ppm	0.0043 ppm	0.0051 ppm	0.0046 ppm	0.0044 ppm	0.0051 ppm
Recovery Percentage	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	30.8 %	1.5 %	9.1 %	0.7 %	4.6 %	5.9 %	1.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0054 ppm	94.1816 %	102.1020 %	95.8007 %	94.6805 %	103.8178 %	96.3846 %
Concentration per Run	0.0054 ppm	94.5672 %	101.8565 %	96.0376 %	94.8375 %	103.4653 %	96.8765 %
Concentration per Run	0.0053 ppm	93.9659 %	101.9636 %	96.0948 %	94.7677 %	102.9895 %	96.6302 %
Concentration per Run	0.0054 ppm	94.0117 %	102.4858 %	95.2698 %	94.4362 %	104.9987 %	95.6470 %
Recovery Percentage	107.661 %						
Concentration RSD	1.2 %	0.4 %	0.3 %	0.5 %	0.2 %	1.0 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: IEC 10 V +Tl
Analysis started at: 7/1/2025 7:17:46 AM
Rack 1
Vial 5
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0092 ppm	-0.0036 ppm	0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0079 ppm
Concentration per Run	0.0001 ppm	0.0082 ppm	-0.0040 ppm	0.0011 ppm	0.0001 ppm	-0.0004 ppm	0.0082 ppm
Concentration per Run	-0.0002 ppm	0.0096 ppm	-0.0022 ppm	0.0008 ppm	0.0001 ppm	-0.0003 ppm	0.0071 ppm
Concentration per Run	-0.0001 ppm	0.0097 ppm	-0.0045 ppm	-0.0010 ppm	0.0001 ppm	-0.0005 ppm	0.0085 ppm
Recovery Percentage	-0.853 %	9.162 %	-71.604 %	1.000 %	0.864 %	-8.346 %	7.933 %
Concentration RSD	422.9 %	9.4 %	33.4 %	385.6 %	40.0 %	17.1 %	8.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0018 ppm	0.0070 ppm	0.0194 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0019 ppm	0.0064 ppm	0.0159 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0016 ppm	0.0071 ppm	0.0233 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	-0.0003 ppm	0.0018 ppm	0.0075 ppm	0.0189 ppm	0.0015 ppm
Recovery Percentage	-0.840 %	-0.248 %	-0.990 %	17.624 %	13.989 %	0.774 %	7.324 %
Concentration RSD	202.2 %	2,730.9 %	211.6 %	6.9 %	7.8 %	19.2 %	94.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0032 ppm	0.0001 ppm	0.0011 ppm	0.0073 ppm	-0.0003 ppm	-0.0007 ppm	0.0010 ppm
Concentration per Run	0.0026 ppm	0.0001 ppm	0.0008 ppm	0.0076 ppm	-0.0004 ppm	-0.0014 ppm	0.0042 ppm
Concentration per Run	0.0035 ppm	0.0001 ppm	0.0009 ppm	0.0066 ppm	0.0001 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run	0.0034 ppm	0.0002 ppm	0.0016 ppm	0.0079 ppm	-0.0006 ppm	-0.0004 ppm	-0.0019 ppm
Recovery Percentage	3.160 %	1.186 %	2.204 %	0.367 %	-1.191 %	-7.278 %	1.984 %
Concentration RSD	14.3 %	38.7 %	38.2 %	9.4 %	115.5 %	77.5 %	312.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	0.0021 ppm	-0.0005 ppm	0.0000 ppm	-0.0002 ppm	0.0010 ppm	**10.1010 [SIC 10]**
Concentration per Run	0.0013 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm	-0.0004 ppm	0.0023 ppm	10.1690 ppm
Concentration per Run	0.0027 ppm	0.0034 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	10.1009 ppm
Concentration per Run	0.0013 ppm	0.0029 ppm	-0.0009 ppm	0.0000 ppm	-0.0001 ppm	0.0008 ppm	10.0329 ppm
Recovery Percentage	17.574 %	0.423 %	-1.009 %	0.253 %	-2.382 %	4.807 %	101,009.513 %
Concentration RSD	44.1 %	84.5 %	73.2 %	80.7 %	60.4 %	137.7 %	**0.7 %**

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	95.7545 %	102.6842 %	97.8592 %	95.1982 %	102.7702 %	96.8973 %
Concentration per Run	0.0007 ppm	95.0595 %	102.8705 %	97.2986 %	94.1134 %	103.2977 %	96.4135 %
Concentration per Run	0.0008 ppm	95.9370 %	103.7091 %	97.8224 %	94.7737 %	104.3074 %	96.9448 %
Concentration per Run	0.0005 ppm	96.2670 %	101.4730 %	98.4567 %	96.7075 %	100.7056 %	97.3338 %
Recovery Percentage	13.190 %						
Concentration RSD	25.5 %	0.7 %	1.1 %	0.6 %	1.4 %	1.8 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LDR 5 As pass
Analysis started at: 7/1/2025 7:21:10 AM
Rack 1
Vial 6
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	-0.0017 ppm	5.0132 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0142 ppm
Concentration per Run	0.0005 ppm	-0.0007 ppm	5.0629 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0165 ppm
Concentration per Run	0.0002 ppm	-0.0028 ppm	5.0083 ppm	-0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run	0.0004 ppm	-0.0014 ppm	4.9685 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0127 ppm
Concentration RSD	51.1 %	66.6 %	0.9 %	84.8 %	350.2 %	70.8 %	14.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0005 ppm	0.0000 ppm	0.0153 ppm	0.0006 ppm
Concentration per Run	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0009 ppm	-0.0001 ppm	0.0187 ppm	0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	0.0006 ppm	0.0008 ppm	0.0005 ppm	0.0108 ppm	0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0165 ppm	0.0007 ppm
Concentration RSD	29.8 %	99.9 %	95.9 %	133.3 %	3,849.5 %	26.4 %	57.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0010 ppm	0.0002 ppm	0.0008 ppm	0.0025 ppm	-0.0003 ppm	-0.0009 ppm	0.0053 ppm
Concentration per Run	0.0007 ppm	0.0003 ppm	0.0005 ppm	0.0027 ppm	-0.0005 ppm	-0.0013 ppm	0.0027 ppm
Concentration per Run	0.0020 ppm	0.0001 ppm	0.0008 ppm	0.0013 ppm	0.0001 ppm	-0.0011 ppm	0.0051 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0034 ppm	-0.0005 ppm	-0.0002 ppm	0.0080 ppm
Concentration RSD	100.3 %	61.4 %	31.1 %	42.7 %	104.1 %	63.9 %	50.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0010 ppm	0.0016 ppm	-0.0004 ppm	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0016 ppm
Concentration per Run	0.0017 ppm	0.0021 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0016 ppm
Concentration per Run	0.0027 ppm	0.0028 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0016 ppm
Concentration per Run	-0.0014 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm	-0.0005 ppm	-0.0002 ppm	0.0016 ppm
Concentration RSD	210.5 %	88.9 %	42.2 %	69.6 %	107.8 %	218.0 %	1.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	96.2754 %	103.6889 %	98.5281 %	95.4404 %	104.2622 %	97.8179 %
Concentration per Run	0.0004 ppm	95.7253 %	102.7437 %	98.0840 %	95.4990 %	103.5784 %	97.5109 %
Concentration per Run	0.0005 ppm	96.4389 %	104.6945 %	99.3141 %	94.9812 %	104.6026 %	98.7020 %
Concentration per Run	0.0007 ppm	96.6619 %	103.6286 %	98.1863 %	95.8410 %	104.6056 %	97.2408 %
Concentration RSD	30.7 %	0.5 %	0.9 %	0.7 %	0.5 %	0.6 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 7:57:32 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5066 ppm	0.4877 ppm	0.4627 ppm	0.4887 ppm	0.5134 ppm	0.5240 ppm	0.5042 ppm
Concentration per Run	0.5063 ppm	0.4864 ppm	0.4594 ppm	0.4861 ppm	0.5126 ppm	0.5232 ppm	0.5039 ppm
Concentration per Run	0.5065 ppm	0.4867 ppm	0.4617 ppm	0.4911 ppm	0.5123 ppm	0.5242 ppm	0.5034 ppm
Concentration per Run	0.5070 ppm	0.4900 ppm	0.4671 ppm	0.4887 ppm	0.5153 ppm	0.5246 ppm	0.5053 ppm
Recovery Percentage	101.324 %	97.538 %	92.545 %	97.732 %	102.675 %	104.801 %	100.840 %
Concentration RSD	0.1 %	0.4 %	0.9 %	0.5 %	0.3 %	0.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4886 ppm	0.5072 ppm	0.5118 ppm	0.5128 ppm	0.5180 ppm	5.3178 ppm	0.5234 ppm
Concentration per Run	0.4891 ppm	0.5058 ppm	0.5128 ppm	0.5106 ppm	0.5174 ppm	5.3088 ppm	0.5217 ppm
Concentration per Run	0.4903 ppm	0.5100 ppm	0.5109 ppm	0.5150 ppm	0.5190 ppm	5.3312 ppm	0.5243 ppm
Concentration per Run	0.4865 ppm	0.5058 ppm	0.5118 ppm	0.5127 ppm	0.5175 ppm	5.3135 ppm	0.5241 ppm
Recovery Percentage	97.728 %	101.438 %	102.359 %	102.552 %	103.593 %	106.357 %	104.672 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.4 %	0.2 %	0.2 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5009 ppm	0.5140 ppm	0.4954 ppm	10.6295 ppm	0.5094 ppm	0.5001 ppm	0.4990 ppm
Concentration per Run	0.5001 ppm	0.5128 ppm	0.4930 ppm	10.5720 ppm	0.5103 ppm	0.5005 ppm	0.4983 ppm
Concentration per Run	0.5019 ppm	0.5132 ppm	0.4977 ppm	10.6235 ppm	0.5100 ppm	0.4986 ppm	0.5037 ppm
Concentration per Run	0.5006 ppm	0.5160 ppm	0.4954 ppm	10.6930 ppm	0.5078 ppm	0.5013 ppm	0.4949 ppm
Recovery Percentage	100.180 %	102.797 %	99.078 %	106.295 %	101.872 %	100.028 %	99.795 %
Concentration RSD	0.2 %	0.3 %	0.5 %	0.6 %	0.3 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4699 ppm	5.4129 ppm	0.5149 ppm	0.5119 ppm	0.5102 ppm	0.5067 ppm	0.5114 ppm
Concentration per Run	0.4666 ppm	5.4000 ppm	0.5131 ppm	0.5121 ppm	0.5087 ppm	0.5018 ppm	0.5113 ppm
Concentration per Run	0.4706 ppm	5.4188 ppm	0.5158 ppm	0.5119 ppm	0.5097 ppm	0.5066 ppm	0.5106 ppm
Concentration per Run	0.4725 ppm	5.4198 ppm	0.5159 ppm	0.5116 ppm	0.5122 ppm	0.5117 ppm	0.5124 ppm
Recovery Percentage	93.986 %	103.102 %	102.985 %	102.372 %	102.046 %	101.342 %	102.286 %
Concentration RSD	0.6 %	0.2 %	0.3 %	0.0 %	0.4 %	1.0 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4981 ppm	101.6352 %	102.1393 %	100.4109 %	100.4519 %	103.5995 %	100.7447 %
Concentration per Run	0.4983 ppm	101.9737 %	102.8703 %	100.3662 %	100.7312 %	104.8887 %	100.5531 %
Concentration per Run	0.4999 ppm	101.1803 %	102.0176 %	100.7672 %	99.7438 %	102.8760 %	101.0784 %
Concentration per Run	0.4962 ppm	101.7514 %	101.5300 %	100.0992 %	100.8806 %	103.0338 %	100.6025 %
Recovery Percentage	99.625 %						
Concentration RSD	0.4 %	0.4 %	0.7 %	0.3 %	0.6 %	1.1 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:01:08 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	-0.0011 ppm	-0.0002 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0004 ppm	-0.0017 ppm	-0.0002 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0003 ppm	-0.0016 ppm	-0.0014 ppm	0.0026 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm
Recovery Percentage	5.448 %	-1.058 %	-3.814 %	4.249 %	0.526 %	0.451 %	-0.440 %
Concentration RSD	45.3 %	95.8 %	628.0 %	128.4 %	69.0 %	162.8 %	489.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0005 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0092 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	-0.0002 ppm	0.0007 ppm	0.0001 ppm	0.0138 ppm	0.0010 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0007 ppm	0.0001 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0141 ppm	0.0007 ppm
Recovery Percentage	2.166 %	-4.824 %	0.822 %	5.520 %	0.141 %	0.368 %	5.073 %
Concentration RSD	71.2 %	75.1 %	440.9 %	56.1 %	91.7 %	90.2 %	124.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0000 ppm	0.0046 ppm	0.0011 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	-0.0020 ppm	0.0000 ppm	0.0041 ppm	0.0015 ppm	0.0001 ppm	0.0012 ppm	0.0016 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0050 ppm	0.0014 ppm	-0.0004 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run	-0.0008 ppm	-0.0002 ppm	0.0047 ppm	0.0003 ppm	-0.0006 ppm	-0.0004 ppm	-0.0024 ppm
Recovery Percentage	-1.178 %	-0.207 %	9.195 %	0.054 %	-1.150 %	-1.036 %	-0.279 %
Concentration RSD	64.0 %	876.3 %	9.7 %	58.7 %	130.6 %	1,093.3 %	1,482.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0072 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0065 ppm	0.0014 ppm	-0.0009 ppm	0.0000 ppm	-0.0003 ppm	0.0018 ppm	-0.0004 ppm
Concentration per Run	0.0084 ppm	-0.0008 ppm	-0.0008 ppm	0.0000 ppm	-0.0003 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0066 ppm	-0.0001 ppm	0.0014 ppm	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0001 ppm
Recovery Percentage	71.924 %	0.035 %	-0.209 %	0.145 %	-2.706 %	4.100 %	-1.245 %
Concentration RSD	15.1 %	626.0 %	1,219.7 %	246.3 %	16.8 %	137.3 %	208.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	93.9208 %	101.4012 %	95.6470 %	94.6826 %	102.9076 %	96.2433 %
Concentration per Run	0.0001 ppm	94.1245 %	101.5775 %	95.2968 %	94.6114 %	103.4545 %	95.9547 %
Concentration per Run	0.0001 ppm	93.7884 %	101.3670 %	95.6442 %	94.6012 %	103.1218 %	96.2232 %
Concentration per Run	0.0001 ppm	93.8496 %	101.2590 %	96.0002 %	94.8352 %	102.1465 %	96.5519 %
Recovery Percentage	2.382 %						
Concentration RSD	17.3 %	0.2 %	0.2 %	0.4 %	0.1 %	0.7 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2084895-1 WG2084895
Analysis started at: 7/1/2025 8:17:23 AM
Rack 1
Vial 7
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0031 ppm	-0.0013 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0169 ppm
Concentration per Run	-0.0003 ppm	0.0021 ppm	-0.0016 ppm	0.0027 ppm	0.0001 ppm	0.0000 ppm	0.0159 ppm
Concentration per Run	-0.0001 ppm	0.0030 ppm	-0.0007 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0176 ppm
Concentration per Run	-0.0006 ppm	0.0041 ppm	-0.0017 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0172 ppm
Recovery Percentage	-6.789 %	3.064 %	-26.787 %	3.541 %	1.096 %	-0.172 %	16.860 %
Concentration RSD	71.3 %	32.6 %	39.9 %	147.3 %	50.2 %	121.8 %	5.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0007 ppm	0.0194 ppm	0.0222 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0007 ppm	0.0009 ppm	0.0195 ppm	0.0320 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0198 ppm	0.0228 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0189 ppm	0.0119 ppm	0.0009 ppm
Recovery Percentage	-0.204 %	-0.169 %	5.088 %	6.829 %	38.838 %	0.889 %	6.006 %
Concentration RSD	159.3 %	1,826.4 %	34.3 %	34.9 %	2.6 %	45.2 %	36.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0050 ppm	0.0006 ppm	0.0004 ppm	0.0124 ppm	-0.0003 ppm	-0.0006 ppm	0.0016 ppm
Concentration per Run	0.0049 ppm	0.0006 ppm	0.0001 ppm	0.0126 ppm	0.0000 ppm	0.0013 ppm	0.0000 ppm
Concentration per Run	0.0055 ppm	0.0006 ppm	0.0003 ppm	0.0134 ppm	-0.0014 ppm	-0.0020 ppm	0.0028 ppm
Concentration per Run	0.0045 ppm	0.0006 ppm	0.0006 ppm	0.0111 ppm	0.0005 ppm	-0.0011 ppm	0.0021 ppm
Recovery Percentage	4.967 %	6.128 %	0.701 %	0.619 %	-1.265 %	-5.778 %	3.226 %
Concentration RSD	9.8 %	5.1 %	82.3 %	9.5 %	317.4 %	297.4 %	91.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	0.0139 ppm	0.0068 ppm	0.0000 ppm	-0.0001 ppm	-0.0014 ppm	-0.0001 ppm
Concentration per Run	0.0025 ppm	0.0131 ppm	0.0065 ppm	0.0000 ppm	-0.0002 ppm	-0.0021 ppm	-0.0004 ppm
Concentration per Run	0.0041 ppm	0.0142 ppm	0.0077 ppm	0.0000 ppm	-0.0001 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run	0.0037 ppm	0.0143 ppm	0.0062 ppm	0.0000 ppm	-0.0001 ppm	-0.0008 ppm	0.0000 ppm
Recovery Percentage	34.500 %	2.773 %	13.654 %	0.454 %	-1.134 %	-6.977 %	-0.533 %
Concentration RSD	23.9 %	4.9 %	11.8 %	9.5 %	71.7 %	44.1 %	571.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	95.4089 %	102.2464 %	94.3517 %	95.4934 %	103.8160 %	96.3868 %
Concentration per Run	0.0012 ppm	95.3516 %	102.0727 %	94.1789 %	95.5527 %	103.6160 %	96.3325 %
Concentration per Run	0.0013 ppm	96.1516 %	102.3827 %	94.9089 %	96.0353 %	104.6149 %	97.0003 %
Concentration per Run	0.0011 ppm	94.7234 %	102.2839 %	93.9673 %	94.8921 %	103.2172 %	95.8274 %
Recovery Percentage	23.538 %						
Concentration RSD	9.5 %	0.8 %	0.2 %	0.5 %	0.6 %	0.7 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2084895-2D2 WG2084895
Analysis started at: 7/1/2025 8:20:54 AM
Rack 1
Vial 8
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0557 ppm	2.2706 ppm	0.1232 ppm	1.0644 ppm	2.2781 ppm	0.0568 ppm	10.4680 ppm
Concentration per Run	0.0564 ppm	2.2782 ppm	0.1239 ppm	1.0709 ppm	2.2816 ppm	0.0570 ppm	10.4886 ppm
Concentration per Run	0.0549 ppm	2.2762 ppm	0.1221 ppm	1.0555 ppm	2.2966 ppm	0.0569 ppm	10.4903 ppm
Concentration per Run	0.0557 ppm	2.2574 ppm	0.1235 ppm	1.0669 ppm	2.2561 ppm	0.0565 ppm	10.4250 ppm
Concentration RSD	1.4 %	0.5 %	0.7 %	0.8 %	0.9 %	0.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0524 ppm	0.5604 ppm	0.2272 ppm	0.2840 ppm	1.1358 ppm	10.9766 ppm	0.0006 ppm
Concentration per Run	0.0527 ppm	0.5638 ppm	0.2284 ppm	0.2847 ppm	1.1381 ppm	11.0749 ppm	0.0000 ppm
Concentration per Run	0.0520 ppm	0.5572 ppm	0.2249 ppm	0.2826 ppm	1.1403 ppm	11.0115 ppm	0.0014 ppm
Concentration per Run	0.0524 ppm	0.5603 ppm	0.2284 ppm	0.2847 ppm	1.1289 ppm	10.8435 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.6 %	0.9 %	0.4 %	0.5 %	1.1 %	135.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.6535 ppm	0.5532 ppm	1.0534 ppm	11.5061 ppm	0.5688 ppm	0.5486 ppm	0.5161 ppm
Concentration per Run	10.7581 ppm	0.5541 ppm	1.0552 ppm	11.5169 ppm	0.5730 ppm	0.5542 ppm	0.5129 ppm
Concentration per Run	10.5236 ppm	0.5539 ppm	1.0451 ppm	11.5672 ppm	0.5643 ppm	0.5416 ppm	0.5146 ppm
Concentration per Run	10.6787 ppm	0.5517 ppm	1.0598 ppm	11.4341 ppm	0.5692 ppm	0.5502 ppm	0.5208 ppm
Concentration RSD	1.1 %	0.2 %	0.7 %	0.6 %	0.8 %	1.2 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1326 ppm	1.1150 ppm	1.0792 [SIC 50]	1.0521 ppm	1.0718 ppm	0.1232 ppm	0.5791 ppm
Concentration per Run	0.1343 ppm	1.1257 ppm	1.0892 ppm	1.0563 ppm	1.0799 ppm	0.1264 ppm	0.5824 ppm
Concentration per Run	0.1319 ppm	1.1047 ppm	1.0723 ppm	1.0570 ppm	1.0589 ppm	0.1220 ppm	0.5758 ppm
Concentration per Run	0.1317 ppm	1.1145 ppm	1.0763 ppm	1.0430 ppm	1.0767 ppm	0.1214 ppm	0.5790 ppm
Concentration RSD	1.1 %	0.9 %	0.8 %	0.7 %	1.1 %	2.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5685 ppm	94.6692 %	102.0776 %	93.5374 %	94.3627 %	103.5221 %	95.7740 %
Concentration per Run	0.5722 ppm	94.1583 %	101.3913 %	92.0878 %	94.0514 %	103.5547 %	94.4580 %
Concentration per Run	0.5675 ppm	94.7679 %	101.9884 %	94.7500 %	93.9246 %	102.3736 %	96.8075 %
Concentration per Run	0.5656 ppm	95.0814 %	102.8532 %	93.7746 %	95.1120 %	104.6379 %	96.0564 %
Concentration RSD	0.6 %	0.5 %	0.7 %	1.4 %	0.7 %	1.1 %	1.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536196-02 WG2080546
Analysis started at: 7/1/2025 8:24:18 AM
Rack 1
Vial 15
Comment rr K

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	-0.0006 ppm	-0.0009 ppm	0.0134 ppm	0.0210 ppm	0.0000 ppm	24.3261 ppm
Concentration per Run	-0.0002 ppm	0.0005 ppm	-0.0020 ppm	0.0151 ppm	0.0211 ppm	0.0000 ppm	24.3566 ppm
Concentration per Run	-0.0011 ppm	-0.0003 ppm	-0.0001 ppm	0.0134 ppm	0.0209 ppm	0.0000 ppm	23.9662 ppm
Concentration per Run	-0.0009 ppm	-0.0019 ppm	-0.0004 ppm	0.0116 ppm	0.0210 ppm	0.0000 ppm	24.6554 ppm
Concentration RSD	67.9 %	217.9 %	114.7 %	12.8 %	0.6 %	222.1 %	1.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0006 ppm	0.0003 ppm	0.0179 ppm	0.0360 ppm	6.6056 ppm	0.0060 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0005 ppm	0.0179 ppm	0.0356 ppm	6.6650 ppm	0.0059 ppm
Concentration per Run	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	0.0179 ppm	0.0364 ppm	6.5993 ppm	0.0060 ppm
Concentration per Run	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0178 ppm	0.0360 ppm	6.5524 ppm	0.0062 ppm
Concentration RSD	130.9 %	26.8 %	67.3 %	0.4 %	1.1 %	0.9 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.0542 ppm	0.0003 ppm	0.0059 ppm	64.7530 ppm	0.0004 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run	3.0546 ppm	0.0003 ppm	0.0062 ppm	65.6350 ppm	0.0002 ppm	-0.0011 ppm	0.0023 ppm
Concentration per Run	3.0648 ppm	0.0003 ppm	0.0060 ppm	64.6664 ppm	0.0001 ppm	-0.0017 ppm	-0.0016 ppm
Concentration per Run	3.0433 ppm	0.0004 ppm	0.0056 ppm	63.9577 ppm	0.0008 ppm	0.0010 ppm	0.0009 ppm
Concentration RSD	0.4 %	21.3 %	4.8 %	1.3 %	101.3 %	243.1 %	362.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	5.6447 ppm	-0.0007 ppm	0.1394 ppm	-0.0002 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run	0.0045 ppm	5.6207 ppm	-0.0005 ppm	0.1407 ppm	-0.0002 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run	0.0022 ppm	5.6666 ppm	-0.0013 ppm	0.1381 ppm	-0.0003 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run	0.0052 ppm	5.6468 ppm	-0.0003 ppm	0.1394 ppm	-0.0002 ppm	0.0008 ppm	0.0001 ppm
Concentration RSD	38.8 %	0.4 %	70.3 %	0.9 %	39.0 %	54.3 %	14.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0209 ppm	95.8842 %	102.8653 %	95.5252 %	94.5932 %	103.7409 %	95.4499 %
Concentration per Run	0.0207 ppm	96.1544 %	102.1611 %	96.1838 %	95.4125 %	104.1957 %	96.0057 %
Concentration per Run	0.0210 ppm	95.8316 %	104.4345 %	94.2764 %	93.9236 %	105.1517 %	94.1651 %
Concentration per Run	0.0209 ppm	95.6665 %	102.0005 %	96.1155 %	94.4434 %	101.8752 %	96.1789 %
Concentration RSD	0.7 %	0.3 %	1.3 %	1.1 %	0.8 %	1.6 %	1.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540136-01D2 WG2084895
Analysis started at: 7/1/2025 8:27:40 AM
Rack 1
Vial 14
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	89.2802 ppm	0.1069 ppm	0.0007 ppm	1.0022 ppm	0.0010 ppm	8.2253 ppm
Concentration per Run	0.0023 ppm	89.3287 ppm	0.1074 ppm	0.0000 ppm	1.0071 ppm	0.0009 ppm	8.2398 ppm
Concentration per Run	0.0021 ppm	89.3443 ppm	0.1056 ppm	0.0014 ppm	0.9980 ppm	0.0011 ppm	8.2467 ppm
Concentration per Run	0.0025 ppm	89.1675 ppm	0.1075 ppm	0.0006 ppm	1.0014 ppm	0.0010 ppm	8.1895 ppm
Concentration RSD	8.0 %	0.1 %	1.0 %	98.7 %	0.5 %	8.9 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0525 ppm	0.1912 ppm	0.3032 ppm	165.6350 ppm	35.2510 ppm	0.0700 ppm
Concentration per Run	-0.0005 ppm	0.0522 ppm	0.1927 ppm	0.3021 ppm	165.3207 ppm	35.2512 ppm	0.0708 ppm
Concentration per Run	-0.0007 ppm	0.0527 ppm	0.1899 ppm	0.3036 ppm	166.6055 ppm	35.1369 ppm	0.0687 ppm
Concentration per Run	-0.0006 ppm	0.0526 ppm	0.1910 ppm	0.3040 ppm	164.9788 ppm	35.3650 ppm	0.0705 ppm
Concentration RSD	16.6 %	0.5 %	0.8 %	0.3 %	0.5 %	0.3 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	38.2536 ppm	1.6078 ppm	0.0101 ppm	0.6382 ppm	0.1070 ppm	0.3374 ppm	0.0031 ppm
Concentration per Run	38.6807 ppm	1.6090 ppm	0.0101 ppm	0.6339 ppm	0.1078 ppm	0.3414 ppm	0.0024 ppm
Concentration per Run	37.9860 ppm	1.6148 ppm	0.0099 ppm	0.6416 ppm	0.1053 ppm	0.3368 ppm	0.0046 ppm
Concentration per Run	38.0942 ppm	1.5996 ppm	0.0102 ppm	0.6391 ppm	0.1080 ppm	0.3342 ppm	0.0023 ppm
Concentration RSD	1.0 %	0.5 %	1.5 %	0.6 %	1.4 %	1.1 %	42.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	2.8193 ppm	0.0053 ppm	0.0357 ppm	12.3195 ppm	0.0078 ppm	0.2895 ppm
Concentration per Run	0.0005 ppm	2.8035 ppm	0.0049 ppm	0.0357 ppm	12.4376 ppm	0.0055 ppm	0.2900 ppm
Concentration per Run	0.0027 ppm	2.8294 ppm	0.0065 ppm	0.0357 ppm	12.2307 ppm	0.0079 ppm	0.2892 ppm
Concentration per Run	0.0053 ppm	2.8251 ppm	0.0046 ppm	0.0357 ppm	12.2902 ppm	0.0099 ppm	0.2893 ppm
Concentration RSD	85.4 %	0.5 %	19.3 %	0.0 %	0.9 %	28.0 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5835 ppm	98.4347 %	106.7577 %	81.2101 %	**176.2120 %**	**198.2043 %**	**179.8865 %**
Concentration per Run	0.5838 ppm	98.0691 %	106.7863 %	80.4112 %	**175.8242 %**	**196.6528 %**	**178.9692 %**
Concentration per Run	0.5803 ppm	98.7197 %	106.4385 %	81.9693 %	**176.5355 %**	**199.3215 %**	**181.0821 %**
Concentration per Run	0.5865 ppm	98.5152 %	107.0484 %	81.2500 %	**176.2762 %**	**198.6387 %**	**179.6082 %**
Concentration RSD	0.5 %	0.3 %	0.3 %	1.0 %	**0.2 %**	**0.7 %**	**0.6 %**

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536323-25D2 WG2084895
Analysis started at: 7/1/2025 8:31:04 AM
Rack 1
Vial 9
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0029 ppm	93.1113 ppm	0.1178 ppm	0.0018 ppm	0.5600 ppm	0.0055 ppm	7.3695 ppm
Concentration per Run	0.0032 ppm	92.9359 ppm	0.1162 ppm	0.0027 ppm	0.5568 ppm	0.0055 ppm	7.2518 ppm
Concentration per Run	0.0031 ppm	93.0037 ppm	0.1204 ppm	0.0025 ppm	0.5610 ppm	0.0055 ppm	7.3919 ppm
Concentration per Run	0.0026 ppm	93.3943 ppm	0.1169 ppm	0.0002 ppm	0.5623 ppm	0.0056 ppm	7.4648 ppm
Concentration RSD	10.4 %	0.3 %	1.9 %	79.5 %	0.5 %	0.9 %	1.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.1052 ppm	0.1778 ppm	0.3059 ppm	220.9577 ppm	30.5627 ppm	0.3017 ppm
Concentration per Run	0.0008 ppm	0.1046 ppm	0.1771 ppm	0.3067 ppm	219.4150 ppm	30.3652 ppm	0.3009 ppm
Concentration per Run	0.0008 ppm	0.1063 ppm	0.1779 ppm	0.3064 ppm	220.9466 ppm	30.6487 ppm	0.2997 ppm
Concentration per Run	0.0003 ppm	0.1047 ppm	0.1783 ppm	0.3047 ppm	222.5114 ppm	30.6741 ppm	0.3044 ppm
Concentration RSD	41.6 %	0.9 %	0.3 %	0.3 %	0.7 %	0.6 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	32.6047 ppm	3.5881 ppm	0.0124 ppm	0.8634 ppm	0.1753 ppm	0.2110 ppm	0.0083 ppm
Concentration per Run	32.5374 ppm	3.5535 ppm	0.0125 ppm	0.8670 ppm	0.1756 ppm	0.2085 ppm	0.0064 ppm
Concentration per Run	32.6876 ppm	3.5932 ppm	0.0128 ppm	0.8582 ppm	0.1755 ppm	0.2103 ppm	0.0080 ppm
Concentration per Run	32.5891 ppm	3.6176 ppm	0.0118 ppm	0.8648 ppm	0.1748 ppm	0.2143 ppm	0.0104 ppm
Concentration RSD	0.2 %	0.9 %	4.2 %	0.5 %	0.2 %	1.4 %	23.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0049 ppm	4.1233 ppm	0.0169 ppm	0.0663 ppm	7.4285 ppm	0.0064 ppm	0.2710 ppm
Concentration per Run	0.0064 ppm	4.1242 ppm	0.0160 ppm	0.0665 ppm	7.3937 ppm	0.0068 ppm	0.2714 ppm
Concentration per Run	0.0041 ppm	4.1336 ppm	0.0169 ppm	0.0663 ppm	7.4433 ppm	0.0072 ppm	0.2710 ppm
Concentration per Run	0.0041 ppm	4.1121 ppm	0.0177 ppm	0.0663 ppm	7.4486 ppm	0.0051 ppm	0.2707 ppm
Concentration RSD	27.1 %	0.3 %	5.1 %	0.2 %	0.4 %	17.8 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8104 ppm	98.1858 %	107.7912 %	86.7049 %	115.3069 %	129.0308 %	117.9854 %
Concentration per Run	0.8102 ppm	98.0630 %	108.7374 %	87.3641 %	115.2876 %	131.6997 %	118.4986 %
Concentration per Run	0.8128 ppm	98.0304 %	107.8139 %	86.8778 %	114.9624 %	128.5103 %	118.0397 %
Concentration per Run	0.8081 ppm	98.4641 %	106.8224 %	85.8729 %	115.6708 %	126.8825 %	117.4179 %
Concentration RSD	0.3 %	0.2 %	0.9 %	0.9 %	0.3 %	1.9 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2084895-3D2 WG2084895
Analysis started at: 7/1/2025 8:34:28 AM
Rack 1
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0569 ppm	107.8113 ppm	0.2539 ppm	0.9284 ppm	2.8144 ppm	0.0593 ppm	18.3700 ppm
Concentration per Run	0.0569 ppm	107.5729 ppm	0.2561 ppm	0.9266 ppm	2.8098 ppm	0.0591 ppm	18.1995 ppm
Concentration per Run	0.0571 ppm	108.0736 ppm	0.2497 ppm	0.9262 ppm	2.8196 ppm	0.0595 ppm	18.4522 ppm
Concentration per Run	0.0568 ppm	107.7872 ppm	0.2560 ppm	0.9323 ppm	2.8138 ppm	0.0594 ppm	18.4583 ppm
Concentration RSD	0.2 %	0.2 %	1.4 %	0.4 %	0.2 %	0.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0479 ppm	0.6178 ppm	0.4120 ppm	0.5931 ppm	285.4153 ppm	44.9481 ppm	0.3892 ppm
Concentration per Run	0.0477 ppm	0.6187 ppm	0.4087 ppm	0.5937 ppm	283.9421 ppm	44.8811 ppm	0.3896 ppm
Concentration per Run	0.0477 ppm	0.6161 ppm	0.4127 ppm	0.5924 ppm	286.3048 ppm	45.4102 ppm	0.3904 ppm
Concentration per Run	0.0483 ppm	0.6186 ppm	0.4147 ppm	0.5931 ppm	285.9991 ppm	44.5530 ppm	0.3877 ppm
Concentration RSD	0.7 %	0.2 %	0.7 %	0.1 %	0.5 %	1.0 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	50.4353 ppm	4.9096 ppm	0.9376 ppm	11.0574 ppm	0.7252 ppm	0.8155 ppm	0.2315 ppm
Concentration per Run	50.3880 ppm	4.8895 ppm	0.9337 ppm	10.9912 ppm	0.7227 ppm	0.8145 ppm	0.2317 ppm
Concentration per Run	50.4797 ppm	4.9151 ppm	0.9355 ppm	11.1432 ppm	0.7275 ppm	0.8127 ppm	0.2306 ppm
Concentration per Run	50.4381 ppm	4.9243 ppm	0.9435 ppm	11.0377 ppm	0.7255 ppm	0.8194 ppm	0.2323 ppm
Concentration RSD	0.1 %	0.4 %	0.6 %	0.7 %	0.3 %	0.4 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1265 ppm	5.7142 ppm	0.9249 ppm	1.0202 ppm	9.7141 ppm	0.1337 ppm	0.8374 ppm
Concentration per Run	0.1254 ppm	5.6992 ppm	0.9237 ppm	1.0169 ppm	9.6586 ppm	0.1333 ppm	0.8341 ppm
Concentration per Run	0.1255 ppm	5.6990 ppm	0.9260 ppm	1.0246 ppm	9.7247 ppm	0.1338 ppm	0.8381 ppm
Concentration per Run	0.1285 ppm	5.7443 ppm	0.9252 ppm	1.0192 ppm	9.7589 ppm	0.1339 ppm	0.8399 ppm
Concentration RSD	1.4 %	0.5 %	0.1 %	0.4 %	0.5 %	0.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.6300 ppm	98.4020 %	108.4398 %	83.0419 %	115.9783 %	131.0464 %	119.3332 %
Concentration per Run	1.6341 ppm	98.2164 %	109.0858 %	83.5095 %	115.8432 %	132.0289 %	120.2274 %
Concentration per Run	1.6286 ppm	98.1182 %	108.4351 %	83.1984 %	115.6216 %	131.2616 %	119.1784 %
Concentration per Run	1.6273 ppm	98.8713 %	107.7986 %	82.4179 %	116.4702 %	129.8486 %	118.5937 %
Concentration RSD	0.2 %	0.4 %	0.6 %	0.7 %	0.4 %	0.8 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2084895-4D2 WG2084895
Analysis started at: 7/1/2025 8:37:53 AM
Rack 1
Vial 11
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0544 ppm	81.9542 ppm	0.1973 ppm	0.8982 ppm	2.4458 ppm	0.0576 ppm	14.2493 ppm
Concentration per Run	0.0549 ppm	82.6303 ppm	0.1987 ppm	0.8965 ppm	2.4728 ppm	0.0581 ppm	14.3696 ppm
Concentration per Run	0.0541 ppm	82.3792 ppm	0.1976 ppm	0.9028 ppm	2.4453 ppm	0.0579 ppm	14.3348 ppm
Concentration per Run	0.0543 ppm	80.8530 ppm	0.1957 ppm	0.8953 ppm	2.4193 ppm	0.0567 ppm	14.0434 ppm
Concentration RSD	0.8 %	1.2 %	0.8 %	0.5 %	1.1 %	1.3 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0469 ppm	0.5800 ppm	0.4324 ppm	0.7776 ppm	227.4798 ppm	28.6710 ppm	0.2511 ppm
Concentration per Run	0.0470 ppm	0.5827 ppm	0.4330 ppm	0.7809 ppm	229.1052 ppm	28.8364 ppm	0.2530 ppm
Concentration per Run	0.0470 ppm	0.5805 ppm	0.4306 ppm	0.7783 ppm	229.1422 ppm	28.8085 ppm	0.2522 ppm
Concentration per Run	0.0466 ppm	0.5767 ppm	0.4335 ppm	0.7738 ppm	224.1919 ppm	28.3680 ppm	0.2480 ppm
Concentration RSD	0.4 %	0.5 %	0.4 %	0.5 %	1.3 %	0.9 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	35.2397 ppm	2.9272 ppm	0.9112 ppm	10.1729 ppm	0.7113 ppm	0.6898 ppm	0.2609 ppm
Concentration per Run	35.3342 ppm	2.9510 ppm	0.9136 ppm	10.1867 ppm	0.7129 ppm	0.6961 ppm	0.2640 ppm
Concentration per Run	34.9968 ppm	2.9476 ppm	0.9126 ppm	10.2762 ppm	0.7097 ppm	0.6869 ppm	0.2611 ppm
Concentration per Run	35.3882 ppm	2.8828 ppm	0.9074 ppm	10.0559 ppm	0.7115 ppm	0.6864 ppm	0.2576 ppm
Concentration RSD	0.6 %	1.3 %	0.4 %	1.1 %	0.2 %	0.8 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1146 ppm	6.5447 ppm	0.8964 ppm	0.9453 ppm	6.3618 ppm	0.1222 ppm	0.7149 ppm
Concentration per Run	0.1127 ppm	6.5766 ppm	0.8995 ppm	0.9557 ppm	6.3805 ppm	0.1243 ppm	0.7201 ppm
Concentration per Run	0.1172 ppm	6.5623 ppm	0.8978 ppm	0.9461 ppm	6.3303 ppm	0.1213 ppm	0.7135 ppm
Concentration per Run	0.1139 ppm	6.4951 ppm	0.8921 ppm	0.9340 ppm	6.3746 ppm	0.1209 ppm	0.7112 ppm
Concentration RSD	2.1 %	0.7 %	0.4 %	1.1 %	0.4 %	1.5 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4275 ppm	103.4168 %	112.8191 %	91.2042 %	117.5496 %	130.8932 %	119.5282 %
Concentration per Run	1.4348 ppm	103.7930 %	112.8825 %	90.8791 %	118.2336 %	130.7480 %	119.6212 %
Concentration per Run	1.4307 ppm	103.0868 %	111.8586 %	91.1913 %	116.8889 %	129.9362 %	119.3335 %
Concentration per Run	1.4172 ppm	103.3706 %	113.7161 %	91.5421 %	117.5264 %	131.9955 %	119.6300 %
Concentration RSD	0.6 %	0.3 %	0.8 %	0.4 %	0.6 %	0.8 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2084895-5D2 WG2084895
Analysis started at: 7/1/2025 8:41:18 AM
Rack 1
Vial 12
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0564 ppm	92.2085 ppm	0.2437 ppm	0.9629 ppm	2.5894 ppm	0.0569 ppm	16.3770 ppm
Concentration per Run	0.0567 ppm	91.9683 ppm	0.2435 ppm	0.9722 ppm	2.5892 ppm	0.0568 ppm	16.3766 ppm
Concentration per Run	0.0564 ppm	92.1156 ppm	0.2456 ppm	0.9565 ppm	2.5770 ppm	0.0567 ppm	16.3424 ppm
Concentration per Run	0.0561 ppm	92.5416 ppm	0.2421 ppm	0.9599 ppm	2.6020 ppm	0.0571 ppm	16.4120 ppm
Concentration RSD	0.6 %	0.3 %	0.7 %	0.9 %	0.5 %	0.4 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0478 ppm	0.6044 ppm	0.3772 ppm	0.5658 ppm	215.2784 ppm	39.8686 ppm	0.2898 ppm
Concentration per Run	0.0485 ppm	0.6107 ppm	0.3807 ppm	0.5707 ppm	214.1797 ppm	39.7259 ppm	0.2886 ppm
Concentration per Run	0.0474 ppm	0.6019 ppm	0.3758 ppm	0.5631 ppm	215.6415 ppm	40.0269 ppm	0.2901 ppm
Concentration per Run	0.0474 ppm	0.6006 ppm	0.3749 ppm	0.5636 ppm	216.0139 ppm	39.8530 ppm	0.2907 ppm
Concentration RSD	1.4 %	0.9 %	0.8 %	0.8 %	0.5 %	0.4 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	40.7912 ppm	3.9632 ppm	0.9624 ppm	11.2245 ppm	0.6867 ppm	0.7512 ppm	0.4782 ppm
Concentration per Run	41.2089 ppm	3.9552 ppm	0.9701 ppm	11.1486 ppm	0.6953 ppm	0.7539 ppm	0.4855 ppm
Concentration per Run	40.7612 ppm	3.9576 ppm	0.9561 ppm	11.2646 ppm	0.6818 ppm	0.7475 ppm	0.4755 ppm
Concentration per Run	40.4035 ppm	3.9768 ppm	0.9610 ppm	11.2601 ppm	0.6830 ppm	0.7522 ppm	0.4735 ppm
Concentration RSD	1.0 %	0.3 %	0.7 %	0.6 %	1.1 %	0.4 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1313 ppm	5.0619 ppm	0.9807 ppm	1.0090 ppm	8.0892 ppm	0.1307 ppm	0.7895 ppm
Concentration per Run	0.1347 ppm	5.1113 ppm	0.9879 ppm	1.0077 ppm	8.1595 ppm	0.1300 ppm	0.7978 ppm
Concentration per Run	0.1275 ppm	5.0379 ppm	0.9786 ppm	1.0059 ppm	8.0743 ppm	0.1300 ppm	0.7895 ppm
Concentration per Run	0.1318 ppm	5.0364 ppm	0.9755 ppm	1.0135 ppm	8.0340 ppm	0.1320 ppm	0.7813 ppm
Concentration RSD	2.8 %	0.8 %	0.7 %	0.4 %	0.8 %	0.9 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3021 ppm	97.4589 %	106.2655 %	84.4559 %	113.7782 %	126.9005 %	115.8034 %
Concentration per Run	1.3169 ppm	96.4830 %	106.5333 %	83.9085 %	113.1356 %	126.8835 %	115.3294 %
Concentration per Run	1.2968 ppm	98.0209 %	106.3594 %	85.0819 %	114.3442 %	127.6833 %	116.2504 %
Concentration per Run	1.2926 ppm	97.8728 %	105.9037 %	84.3772 %	113.8547 %	126.1348 %	115.8305 %
Concentration RSD	1.0 %	0.9 %	0.3 %	0.7 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2084895-6D10 WG2084895
Analysis started at: 7/1/2025 8:44:44 AM
Rack 1
Vial 13
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	19.2298 ppm	0.0217 ppm	0.0033 ppm	0.1161 ppm	0.0011 ppm	1.5240 ppm
Concentration per Run	0.0005 ppm	19.1851 ppm	0.0190 ppm	0.0034 ppm	0.1159 ppm	0.0011 ppm	1.5164 ppm
Concentration per Run	0.0001 ppm	19.1762 ppm	0.0221 ppm	0.0042 ppm	0.1156 ppm	0.0011 ppm	1.5232 ppm
Concentration per Run	0.0003 ppm	19.3280 ppm	0.0240 ppm	0.0024 ppm	0.1168 ppm	0.0012 ppm	1.5325 ppm
Concentration RSD	68.2 %	0.4 %	11.5 %	26.3 %	0.6 %	3.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0222 ppm	0.0367 ppm	0.0630 ppm	49.0384 ppm	6.3280 ppm	0.0639 ppm
Concentration per Run	0.0002 ppm	0.0220 ppm	0.0371 ppm	0.0632 ppm	48.7558 ppm	6.3016 ppm	0.0643 ppm
Concentration per Run	0.0002 ppm	0.0218 ppm	0.0365 ppm	0.0630 ppm	48.8726 ppm	6.3552 ppm	0.0644 ppm
Concentration per Run	0.0001 ppm	0.0229 ppm	0.0364 ppm	0.0629 ppm	49.4869 ppm	6.3272 ppm	0.0631 ppm
Concentration RSD	39.9 %	2.8 %	1.1 %	0.3 %	0.8 %	0.4 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.8412 ppm	0.7585 ppm	0.0108 ppm	0.1841 ppm	0.0364 ppm	0.0392 ppm	0.0034 ppm
Concentration per Run	6.8045 ppm	0.7538 ppm	0.0106 ppm	0.1844 ppm	0.0360 ppm	0.0391 ppm	0.0018 ppm
Concentration per Run	6.8205 ppm	0.7587 ppm	0.0110 ppm	0.1861 ppm	0.0364 ppm	0.0397 ppm	0.0037 ppm
Concentration per Run	6.8987 ppm	0.7629 ppm	0.0108 ppm	0.1819 ppm	0.0368 ppm	0.0389 ppm	0.0047 ppm
Concentration RSD	0.7 %	0.6 %	1.6 %	1.2 %	1.1 %	1.0 %	44.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0049 ppm	0.8897 ppm	0.0047 ppm	0.0136 ppm	1.5304 ppm	0.0002 ppm	0.0546 ppm
Concentration per Run	0.0032 ppm	0.8825 ppm	0.0037 ppm	0.0136 ppm	1.5251 ppm	-0.0010 ppm	0.0548 ppm
Concentration per Run	0.0058 ppm	0.8956 ppm	0.0051 ppm	0.0137 ppm	1.5248 ppm	0.0012 ppm	0.0543 ppm
Concentration per Run	0.0057 ppm	0.8909 ppm	0.0052 ppm	0.0137 ppm	1.5413 ppm	0.0003 ppm	0.0547 ppm
Concentration RSD	30.0 %	0.7 %	17.9 %	0.4 %	0.6 %	673.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1703 ppm	95.9603 %	104.4948 %	95.1629 %	99.0148 %	109.4200 %	101.7515 %
Concentration per Run	0.1698 ppm	96.1978 %	105.0950 %	94.6682 %	98.9392 %	109.9013 %	101.5503 %
Concentration per Run	0.1695 ppm	96.7551 %	104.7009 %	94.5220 %	99.4162 %	109.9189 %	100.9652 %
Concentration per Run	0.1717 ppm	94.9281 %	103.6884 %	96.2984 %	98.6891 %	108.4400 %	102.7390 %
Concentration RSD	0.7 %	1.0 %	0.7 %	1.0 %	0.4 %	0.8 %	0.9 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 8:48:06 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5215 ppm	0.4879 ppm	0.4900 ppm	0.5158 ppm	0.5130 ppm	0.5230 ppm	0.5016 ppm
Concentration per Run	0.5215 ppm	0.4987 ppm	0.4865 ppm	0.5195 ppm	0.5130 ppm	0.5216 ppm	0.5000 ppm
Concentration per Run	0.5222 ppm	0.4832 ppm	0.4917 ppm	0.5134 ppm	0.5081 ppm	0.5203 ppm	0.5017 ppm
Concentration per Run	0.5208 ppm	0.4819 ppm	0.4917 ppm	0.5143 ppm	0.5181 ppm	0.5272 ppm	0.5031 ppm
Recovery Percentage	104.301 %	97.586 %	97.994 %	103.151 %	102.608 %	104.609 %	100.324 %
Concentration RSD	0.1 %	1.9 %	0.6 %	0.6 %	1.0 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5142 ppm	0.5217 ppm	0.5267 ppm	0.5214 ppm	0.5343 ppm	5.3985 ppm	0.5288 ppm
Concentration per Run	0.5141 ppm	0.5216 ppm	0.5263 ppm	0.5218 ppm	0.5339 ppm	5.4776 ppm	0.5327 ppm
Concentration per Run	0.5130 ppm	0.5215 ppm	0.5306 ppm	0.5229 ppm	0.5309 ppm	5.3624 ppm	0.5280 ppm
Concentration per Run	0.5157 ppm	0.5221 ppm	0.5233 ppm	0.5196 ppm	0.5381 ppm	5.3554 ppm	0.5256 ppm
Recovery Percentage	102.848 %	104.349 %	105.341 %	104.285 %	106.855 %	107.969 %	105.755 %
Concentration RSD	0.3 %	0.1 %	0.7 %	0.3 %	0.7 %	1.3 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5227 ppm	0.5127 ppm	0.5096 ppm	10.6640 ppm	0.5308 ppm	0.5045 ppm	0.5252 ppm
Concentration per Run	0.5243 ppm	0.5113 ppm	0.5078 ppm	10.8269 ppm	0.5315 ppm	0.5040 ppm	0.5290 ppm
Concentration per Run	0.5273 ppm	0.5124 ppm	0.5075 ppm	10.5946 ppm	0.5302 ppm	0.5040 ppm	0.5213 ppm
Concentration per Run	0.5166 ppm	0.5143 ppm	0.5134 ppm	10.5706 ppm	0.5306 ppm	0.5055 ppm	0.5252 ppm
Recovery Percentage	104.546 %	102.533 %	101.910 %	106.640 %	106.157 %	100.906 %	105.033 %
Concentration RSD	1.1 %	0.3 %	0.7 %	1.3 %	0.1 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5012 ppm	5.6802 ppm	0.5365 ppm	0.5186 ppm	0.5211 ppm	0.5020 ppm	0.5245 ppm
Concentration per Run	0.4971 ppm	5.6704 ppm	0.5388 ppm	0.5198 ppm	0.5208 ppm	0.5003 ppm	0.5248 ppm
Concentration per Run	0.5005 ppm	5.6910 ppm	0.5346 ppm	0.5138 ppm	0.5241 ppm	0.5045 ppm	0.5266 ppm
Concentration per Run	0.5061 ppm	5.6793 ppm	0.5361 ppm	0.5222 ppm	0.5183 ppm	0.5011 ppm	0.5221 ppm
Recovery Percentage	100.250 %	108.194 %	107.302 %	103.718 %	104.217 %	100.392 %	104.896 %
Concentration RSD	0.9 %	0.2 %	0.4 %	0.8 %	0.6 %	0.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5284 ppm	95.2661 %	102.3034 %	95.8509 %	94.6467 %	102.9883 %	96.0905 %
Concentration per Run	0.5293 ppm	95.0130 %	102.5377 %	96.1068 %	94.3615 %	103.9336 %	96.0410 %
Concentration per Run	0.5271 ppm	95.2810 %	102.1715 %	96.0967 %	95.0641 %	102.8434 %	96.5073 %
Concentration per Run	0.5289 ppm	95.5044 %	102.2011 %	95.3492 %	94.5145 %	102.1878 %	95.7233 %
Recovery Percentage	105.684 %						
Concentration RSD	0.2 %	0.3 %	0.2 %	0.5 %	0.4 %	0.9 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:51:30 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	-0.0018 ppm	-0.0012 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run	-0.0005 ppm	-0.0023 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run	-0.0012 ppm	-0.0011 ppm	-0.0011 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run	-0.0008 ppm	-0.0018 ppm	-0.0018 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Recovery Percentage	-16.529 %	-1.762 %	-23.527 %	2.615 %	0.260 %	0.192 %	1.583 %
Concentration RSD	39.3 %	34.5 %	48.9 %	48.6 %	78.2 %	106.8 %	73.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0029 ppm	0.0231 ppm	0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0035 ppm	0.0266 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0009 ppm	0.0022 ppm	0.0270 ppm	0.0003 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0032 ppm	0.0156 ppm	0.0011 ppm
Recovery Percentage	1.986 %	-1.919 %	2.164 %	5.944 %	5.891 %	0.922 %	3.812 %
Concentration RSD	112.0 %	62.3 %	154.1 %	55.5 %	22.2 %	28.1 %	169.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0045 ppm	-0.0017 ppm	-0.0003 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0045 ppm	-0.0040 ppm	-0.0004 ppm	-0.0004 ppm	0.0014 ppm
Concentration per Run	0.0005 ppm	0.0003 ppm	0.0050 ppm	0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run	-0.0003 ppm	0.0000 ppm	0.0041 ppm	-0.0018 ppm	-0.0007 ppm	-0.0002 ppm	-0.0045 ppm
Recovery Percentage	-0.164 %	1.227 %	8.999 %	-0.085 %	-1.338 %	-2.699 %	-1.843 %
Concentration RSD	380.2 %	107.4 %	10.4 %	135.3 %	122.0 %	26.7 %	344.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0072 ppm	0.0052 ppm	-0.0007 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0077 ppm	0.0051 ppm	-0.0011 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0079 ppm	0.0062 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run	0.0060 ppm	0.0041 ppm	-0.0009 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0002 ppm
Recovery Percentage	72.100 %	1.031 %	-1.354 %	0.108 %	-1.552 %	0.953 %	-0.137 %
Concentration RSD	14.5 %	20.7 %	90.1 %	398.8 %	71.3 %	84.6 %	1,226.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	93.9373 %	100.9799 %	96.1453 %	94.9842 %	102.9812 %	96.7058 %
Concentration per Run	0.0003 ppm	93.7421 %	101.2199 %	96.7426 %	94.6472 %	103.2291 %	97.1955 %
Concentration per Run	0.0003 ppm	94.3409 %	101.2118 %	96.1444 %	95.5563 %	103.1721 %	96.8822 %
Concentration per Run	0.0003 ppm	93.7289 %	100.5079 %	95.5489 %	94.7490 %	102.5424 %	96.0396 %
Recovery Percentage	5.462 %						
Concentration RSD	6.4 %	0.4 %	0.4 %	0.6 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085572-1 WG2085572
Analysis started at: 7/1/2025 9:42:07 AM
Rack 1
Vial 16
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0010 ppm	-0.0015 ppm	0.0048 ppm	0.0001 ppm	0.0000 ppm	0.0348 ppm
Concentration per Run	-0.0003 ppm	0.0007 ppm	-0.0024 ppm	0.0047 ppm	0.0001 ppm	0.0000 ppm	0.0354 ppm
Concentration per Run	-0.0005 ppm	0.0000 ppm	-0.0008 ppm	0.0043 ppm	0.0002 ppm	0.0000 ppm	0.0381 ppm
Concentration per Run	-0.0006 ppm	-0.0037 ppm	-0.0014 ppm	0.0053 ppm	0.0002 ppm	0.0000 ppm	0.0309 ppm
Recovery Percentage	-8.805 %	-1.004 %	-30.901 %	15.849 %	1.411 %	-0.032 %	34.812 %
Concentration RSD	34.0 %	231.3 %	52.3 %	10.3 %	33.1 %	2,011.1 %	10.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0027 ppm	0.1537 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	0.0006 ppm	-0.0001 ppm	0.0025 ppm	0.1530 ppm	0.0017 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0002 ppm	-0.0002 ppm	0.0032 ppm	0.1558 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0024 ppm	0.1523 ppm	0.0000 ppm
Recovery Percentage	0.511 %	-4.224 %	2.859 %	0.558 %	5.364 %	6.149 %	8.290 %
Concentration RSD	112.3 %	131.7 %	90.4 %	580.4 %	16.7 %	1.2 %	105.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0058 ppm	0.0004 ppm	0.0018 ppm	144.2066 ppm	-0.0007 ppm	-0.0006 ppm	0.0018 ppm
Concentration per Run	0.0055 ppm	0.0004 ppm	0.0019 ppm	144.4485 ppm	-0.0010 ppm	-0.0011 ppm	-0.0011 ppm
Concentration per Run	0.0058 ppm	0.0004 ppm	0.0018 ppm	144.4792 ppm	-0.0005 ppm	-0.0002 ppm	0.0053 ppm
Concentration per Run	0.0060 ppm	0.0003 ppm	0.0016 ppm	143.6921 ppm	-0.0005 ppm	-0.0005 ppm	0.0011 ppm
Recovery Percentage	5.764 %	3.645 %	3.526 %	7,210.329 %	-2.668 %	-6.038 %	3.501 %
Concentration RSD	4.2 %	11.9 %	7.5 %	0.3 %	43.0 %	70.9 %	184.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0032 ppm	0.0569 ppm	0.0007 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0033 ppm	0.0547 ppm	0.0007 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run	0.0046 ppm	0.0578 ppm	0.0009 ppm	0.0000 ppm	-0.0004 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0018 ppm	0.0581 ppm	0.0006 ppm	0.0001 ppm	-0.0002 ppm	0.0004 ppm	-0.0003 ppm
Recovery Percentage	32.247 %	11.376 %	1.438 %	0.539 %	-2.904 %	-1.414 %	-2.153 %
Concentration RSD	43.2 %	3.3 %	17.9 %	39.5 %	44.8 %	246.7 %	78.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0020 ppm	99.0951 %	99.5790 %	95.7438 %	98.2574 %	99.7827 %	97.7893 %
Concentration per Run	0.0018 ppm	99.0407 %	99.9212 %	94.9165 %	97.5368 %	99.8618 %	97.2525 %
Concentration per Run	0.0021 ppm	99.0875 %	99.1506 %	96.0984 %	98.6018 %	99.8634 %	97.8318 %
Concentration per Run	0.0020 ppm	99.1573 %	99.6652 %	96.2166 %	98.6336 %	99.6230 %	98.2837 %
Recovery Percentage	39.613 %						
Concentration RSD	6.2 %	0.1 %	0.4 %	0.8 %	0.6 %	0.1 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085572-2 WG2085572
Analysis started at: 7/1/2025 9:45:42 AM
Rack 1
Vial 17
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0536 ppm	2.1818 ppm	0.1129 ppm	0.9659 ppm	2.1667 ppm	0.0546 ppm	9.9199 ppm
Concentration per Run	0.0536 ppm	2.1908 ppm	0.1127 ppm	0.9643 ppm	2.1611 ppm	0.0547 ppm	9.9295 ppm
Concentration per Run	0.0542 ppm	2.1889 ppm	0.1118 ppm	0.9661 ppm	2.1709 ppm	0.0547 ppm	9.8565 ppm
Concentration per Run	0.0531 ppm	2.1656 ppm	0.1140 ppm	0.9674 ppm	2.1682 ppm	0.0543 ppm	9.9736 ppm
Concentration RSD	1.0 %	0.6 %	1.0 %	0.2 %	0.2 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0502 ppm	0.5317 ppm	0.2169 ppm	0.2720 ppm	1.1000 ppm	10.1927 ppm	0.0002 ppm
Concentration per Run	0.0504 ppm	0.5349 ppm	0.2177 ppm	0.2721 ppm	1.1082 ppm	10.3184 ppm	0.0005 ppm
Concentration per Run	0.0502 ppm	0.5309 ppm	0.2159 ppm	0.2727 ppm	1.0991 ppm	10.2214 ppm	0.0001 ppm
Concentration per Run	0.0498 ppm	0.5294 ppm	0.2170 ppm	0.2711 ppm	1.0926 ppm	10.0382 ppm	-0.0001 ppm
Concentration RSD	0.6 %	0.5 %	0.4 %	0.3 %	0.7 %	1.4 %	153.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.8397 ppm	0.5369 ppm	0.9795 ppm	10.4206 ppm	0.5450 ppm	0.5094 ppm	0.4866 ppm
Concentration per Run	9.8761 ppm	0.5369 ppm	0.9812 ppm	10.4707 ppm	0.5461 ppm	0.5093 ppm	0.4874 ppm
Concentration per Run	9.8023 ppm	0.5363 ppm	0.9799 ppm	10.4994 ppm	0.5454 ppm	0.5100 ppm	0.4863 ppm
Concentration per Run	9.8407 ppm	0.5376 ppm	0.9775 ppm	10.2916 ppm	0.5435 ppm	0.5090 ppm	0.4861 ppm
Concentration RSD	0.4 %	0.1 %	0.2 %	1.1 %	0.2 %	0.1 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1160 ppm	1.3080 ppm	0.9799 ppm	0.9775 ppm	0.9882 ppm	0.1138 ppm	0.5539 ppm
Concentration per Run	0.1143 ppm	1.3101 ppm	0.9818 ppm	0.9749 ppm	0.9905 ppm	0.1141 ppm	0.5547 ppm
Concentration per Run	0.1161 ppm	1.3097 ppm	0.9840 ppm	0.9824 ppm	0.9837 ppm	0.1139 ppm	0.5531 ppm
Concentration per Run	0.1176 ppm	1.3043 ppm	0.9739 ppm	0.9751 ppm	0.9904 ppm	0.1135 ppm	0.5537 ppm
Concentration RSD	1.4 %	0.3 %	0.5 %	0.4 %	0.4 %	0.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5438 ppm	94.2734 %	100.7543 %	92.6640 %	93.4559 %	101.1512 %	94.5173 %
Concentration per Run	0.5454 ppm	93.7497 %	100.4093 %	92.4610 %	92.8071 %	100.7298 %	94.1886 %
Concentration per Run	0.5444 ppm	94.3290 %	101.1962 %	92.3851 %	93.8134 %	102.8477 %	94.2469 %
Concentration per Run	0.5417 ppm	94.7414 %	100.6572 %	93.1459 %	93.7471 %	99.8762 %	95.1165 %
Concentration RSD	0.3 %	0.5 %	0.4 %	0.5 %	0.6 %	1.5 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2538045-01 WG2085572
Analysis started at: 7/1/2025 9:49:05 AM
Rack 1
Vial 18
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0723 ppm	-0.0014 ppm	0.0274 ppm	0.0054 ppm	0.0000 ppm	6.4164 ppm
Concentration per Run	-0.0007 ppm	0.0736 ppm	-0.0008 ppm	0.0274 ppm	0.0053 ppm	0.0000 ppm	6.4518 ppm
Concentration per Run	-0.0008 ppm	0.0713 ppm	-0.0011 ppm	0.0290 ppm	0.0054 ppm	0.0000 ppm	6.4251 ppm
Concentration per Run	-0.0004 ppm	0.0720 ppm	-0.0022 ppm	0.0256 ppm	0.0054 ppm	0.0000 ppm	6.3724 ppm
Concentration RSD	38.1 %	1.7 %	53.4 %	6.2 %	0.9 %	291.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0008 ppm	0.0015 ppm	5.5104 ppm	0.2063 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0014 ppm	5.5237 ppm	0.2139 ppm	0.0014 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	0.0013 ppm	0.0016 ppm	5.5266 ppm	0.2164 ppm	0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0016 ppm	5.4810 ppm	0.1887 ppm	0.0002 ppm
Concentration RSD	357.4 %	82.2 %	57.2 %	9.0 %	0.5 %	7.4 %	87.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1827 ppm	0.0239 ppm	0.0079 ppm	136.0015 ppm	0.0021 ppm	-0.0002 ppm	0.0024 ppm
Concentration per Run	0.1824 ppm	0.0240 ppm	0.0079 ppm	135.3898 ppm	0.0023 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run	0.1810 ppm	0.0240 ppm	0.0082 ppm	136.9440 ppm	0.0022 ppm	-0.0001 ppm	0.0025 ppm
Concentration per Run	0.1847 ppm	0.0237 ppm	0.0075 ppm	135.6707 ppm	0.0018 ppm	-0.0003 ppm	0.0043 ppm
Concentration RSD	1.0 %	0.6 %	4.3 %	0.6 %	11.8 %	51.9 %	75.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	0.0857 ppm	0.0020 ppm	0.0073 ppm	-0.0001 ppm	-0.0011 ppm	-0.0002 ppm
Concentration per Run	0.0030 ppm	0.0852 ppm	0.0024 ppm	0.0073 ppm	0.0002 ppm	-0.0007 ppm	-0.0003 ppm
Concentration per Run	0.0050 ppm	0.0858 ppm	0.0015 ppm	0.0073 ppm	-0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	0.0082 ppm	0.0862 ppm	0.0021 ppm	0.0072 ppm	-0.0004 ppm	-0.0016 ppm	-0.0005 ppm
Concentration RSD	48.7 %	0.6 %	22.9 %	0.3 %	247.9 %	45.9 %	107.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2063 ppm	93.3165 %	100.2796 %	92.2369 %	92.1052 %	100.3141 %	93.8167 %
Concentration per Run	0.2061 ppm	93.1517 %	99.4097 %	92.2845 %	92.2541 %	98.7729 %	93.6372 %
Concentration per Run	0.2053 ppm	94.3491 %	100.5040 %	91.7368 %	92.7801 %	101.3048 %	93.3278 %
Concentration per Run	0.2074 ppm	92.4489 %	100.9252 %	92.6895 %	91.2814 %	100.8647 %	94.4851 %
Concentration RSD	0.5 %	1.0 %	0.8 %	0.5 %	0.8 %	1.3 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085572-3 WG2085572
Analysis started at: 7/1/2025 9:52:29 AM
Rack 1
Vial 19
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0538 ppm	2.2450 ppm	0.1162 ppm	0.9856 ppm	2.1521 ppm	0.0547 ppm	16.0321 ppm
Concentration per Run	0.0538 ppm	2.2396 ppm	0.1179 ppm	0.9846 ppm	2.1447 ppm	0.0546 ppm	16.1084 ppm
Concentration per Run	0.0538 ppm	2.2441 ppm	0.1147 ppm	0.9881 ppm	2.1608 ppm	0.0546 ppm	16.0416 ppm
Concentration per Run	0.0538 ppm	2.2512 ppm	0.1160 ppm	0.9841 ppm	2.1509 ppm	0.0548 ppm	15.9462 ppm
Concentration RSD	0.0 %	0.3 %	1.4 %	0.2 %	0.4 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0492 ppm	0.5233 ppm	0.2161 ppm	0.2700 ppm	6.5349 ppm	10.3174 ppm	0.0009 ppm
Concentration per Run	0.0495 ppm	0.5239 ppm	0.2154 ppm	0.2706 ppm	6.5243 ppm	10.2969 ppm	0.0009 ppm
Concentration per Run	0.0492 ppm	0.5225 ppm	0.2159 ppm	0.2688 ppm	6.5325 ppm	10.3413 ppm	0.0009 ppm
Concentration per Run	0.0489 ppm	0.5234 ppm	0.2170 ppm	0.2706 ppm	6.5479 ppm	10.3140 ppm	0.0009 ppm
Concentration RSD	0.6 %	0.1 %	0.4 %	0.4 %	0.2 %	0.2 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.6382 ppm	0.5504 ppm	0.9728 ppm	144.3590 ppm	0.5383 ppm	0.5012 ppm	0.4747 ppm
Concentration per Run	9.5862 ppm	0.5514 ppm	0.9722 ppm	142.2848 ppm	0.5356 ppm	0.4998 ppm	0.4767 ppm
Concentration per Run	9.6403 ppm	0.5491 ppm	0.9738 ppm	145.7954 ppm	0.5394 ppm	0.5009 ppm	0.4727 ppm
Concentration per Run	9.6882 ppm	0.5506 ppm	0.9724 ppm	144.9968 ppm	0.5399 ppm	0.5030 ppm	0.4748 ppm
Concentration RSD	0.5 %	0.2 %	0.1 %	1.3 %	0.4 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1193 ppm	1.3808 ppm	0.9666 ppm	0.9766 ppm	0.9854 ppm	0.1123 ppm	0.5551 ppm
Concentration per Run	0.1169 ppm	1.3755 ppm	0.9664 ppm	0.9700 ppm	0.9808 ppm	0.1123 ppm	0.5543 ppm
Concentration per Run	0.1192 ppm	1.3845 ppm	0.9698 ppm	0.9797 ppm	0.9862 ppm	0.1128 ppm	0.5555 ppm
Concentration per Run	0.1218 ppm	1.3823 ppm	0.9635 ppm	0.9802 ppm	0.9893 ppm	0.1119 ppm	0.5556 ppm
Concentration RSD	2.1 %	0.3 %	0.3 %	0.6 %	0.4 %	0.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7453 ppm	93.7631 %	99.9937 %	90.6584 %	92.0715 %	101.3057 %	93.6488 %
Concentration per Run	0.7440 ppm	93.6389 %	99.5353 %	91.1935 %	91.7467 %	100.6266 %	93.9927 %
Concentration per Run	0.7486 ppm	93.7831 %	100.1127 %	90.5177 %	92.7371 %	101.2482 %	93.0770 %
Concentration per Run	0.7434 ppm	93.8674 %	100.3332 %	90.2640 %	91.7308 %	102.0423 %	93.8768 %
Concentration RSD	0.4 %	0.1 %	0.4 %	0.5 %	0.6 %	0.7 %	0.5 %

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085572-4 WG2085572
Analysis started at: 7/1/2025 9:55:52 AM
Rack 1
Vial 20
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0713 ppm	-0.0015 ppm	0.0256 ppm	0.0054 ppm	0.0000 ppm	6.4497 ppm
Concentration per Run	-0.0006 ppm	0.0717 ppm	-0.0014 ppm	0.0255 ppm	0.0054 ppm	0.0000 ppm	6.4499 ppm
Concentration per Run	0.0000 ppm	0.0697 ppm	-0.0016 ppm	0.0252 ppm	0.0054 ppm	0.0000 ppm	6.4005 ppm
Concentration per Run	-0.0003 ppm	0.0726 ppm	-0.0015 ppm	0.0260 ppm	0.0054 ppm	0.0000 ppm	6.4987 ppm
Concentration RSD	84.4 %	2.0 %	8.0 %	1.5 %	0.2 %	2,689.2 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0010 ppm	0.0014 ppm	5.5286 ppm	0.2278 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0008 ppm	0.0010 ppm	5.5205 ppm	0.2469 ppm	0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0009 ppm	0.0013 ppm	5.5294 ppm	0.2348 ppm	0.0014 ppm
Concentration per Run	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0018 ppm	5.5359 ppm	0.2017 ppm	0.0012 ppm
Concentration RSD	724.2 %	75.4 %	15.7 %	27.6 %	0.1 %	10.3 %	10.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1834 ppm	0.0239 ppm	0.0079 ppm	136.4370 ppm	0.0025 ppm	-0.0009 ppm	0.0088 ppm
Concentration per Run	0.1832 ppm	0.0238 ppm	0.0082 ppm	135.3073 ppm	0.0025 ppm	-0.0018 ppm	0.0074 ppm
Concentration per Run	0.1846 ppm	0.0237 ppm	0.0079 ppm	137.5453 ppm	0.0023 ppm	-0.0005 ppm	0.0108 ppm
Concentration per Run	0.1825 ppm	0.0241 ppm	0.0076 ppm	136.4584 ppm	0.0028 ppm	-0.0003 ppm	0.0083 ppm
Concentration RSD	0.6 %	0.9 %	3.8 %	0.8 %	11.6 %	90.9 %	19.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0060 ppm	0.0856 ppm	0.0010 ppm	0.0073 ppm	-0.0003 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0051 ppm	0.0845 ppm	0.0017 ppm	0.0073 ppm	-0.0005 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run	0.0081 ppm	0.0837 ppm	0.0007 ppm	0.0073 ppm	-0.0004 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run	0.0049 ppm	0.0887 ppm	0.0006 ppm	0.0073 ppm	-0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration RSD	30.0 %	3.1 %	59.7 %	0.3 %	49.8 %	198.6 %	211.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2048 ppm	93.9206 %	99.8604 %	92.7078 %	92.6150 %	100.0863 %	94.1568 %
Concentration per Run	0.2053 ppm	94.3695 %	100.5334 %	92.4867 %	92.8604 %	99.9521 %	93.7608 %
Concentration per Run	0.2044 ppm	93.9886 %	99.9169 %	92.9372 %	92.4929 %	100.6880 %	94.1504 %
Concentration per Run	0.2049 ppm	93.4036 %	99.1308 %	92.6994 %	92.4917 %	99.6188 %	94.5591 %
Concentration RSD	0.2 %	0.5 %	0.7 %	0.2 %	0.2 %	0.5 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539062-01 WG2085572
Analysis started at: 7/1/2025 9:59:15 AM
Rack 1
Vial 21
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0025 ppm	-0.0013 ppm	0.0092 ppm	0.0817 ppm	0.0000 ppm	72.7216 ppm
Concentration per Run	-0.0009 ppm	0.0034 ppm	0.0000 ppm	0.0093 ppm	0.0818 ppm	0.0000 ppm	73.3731 ppm
Concentration per Run	-0.0006 ppm	0.0011 ppm	-0.0025 ppm	0.0098 ppm	0.0814 ppm	0.0000 ppm	72.2626 ppm
Concentration per Run	-0.0008 ppm	0.0031 ppm	-0.0014 ppm	0.0085 ppm	0.0819 ppm	0.0000 ppm	72.5290 ppm
Concentration RSD	14.9 %	49.4 %	100.2 %	7.0 %	0.3 %	144.9 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm	0.0010 ppm	0.0142 ppm	1.1537 ppm	0.0013 ppm
Concentration per Run	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0012 ppm	0.0149 ppm	1.1887 ppm	0.0020 ppm
Concentration per Run	-0.0003 ppm	-0.0008 ppm	0.0000 ppm	0.0013 ppm	0.0138 ppm	1.1358 ppm	0.0012 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0140 ppm	1.1367 ppm	0.0007 ppm
Concentration RSD	52.6 %	224.0 %	175.9 %	33.6 %	4.0 %	2.6 %	47.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0191 ppm	0.3334 ppm	0.0020 ppm	142.2633 ppm	0.0006 ppm	-0.0006 ppm	0.0041 ppm
Concentration per Run	2.0000 ppm	0.3355 ppm	0.0019 ppm	142.0622 ppm	0.0011 ppm	0.0002 ppm	0.0020 ppm
Concentration per Run	2.0201 ppm	0.3317 ppm	0.0024 ppm	141.8734 ppm	0.0006 ppm	-0.0015 ppm	0.0047 ppm
Concentration per Run	2.0371 ppm	0.3330 ppm	0.0016 ppm	142.8544 ppm	0.0000 ppm	-0.0007 ppm	0.0056 ppm
Concentration RSD	0.9 %	0.6 %	20.6 %	0.4 %	94.6 %	133.9 %	46.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0029 ppm	0.2603 ppm	0.0000 ppm	0.1083 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0021 ppm	0.2606 ppm	-0.0002 ppm	0.1083 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0019 ppm	0.2581 ppm	0.0011 ppm	0.1080 ppm	-0.0004 ppm	-0.0028 ppm	0.0000 ppm
Concentration per Run	0.0046 ppm	0.2622 ppm	-0.0009 ppm	0.1086 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm
Concentration RSD	51.8 %	0.8 %	5,923.9 %	0.3 %	280.3 %	188.9 %	107.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0076 ppm	93.3648 %	99.1165 %	91.1400 %	91.9612 %	99.3670 %	93.2949 %
Concentration per Run	0.0076 ppm	93.0692 %	97.9734 %	90.4532 %	91.9335 %	98.3744 %	92.6164 %
Concentration per Run	0.0075 ppm	93.8924 %	99.5330 %	91.2487 %	92.6545 %	99.9502 %	93.5181 %
Concentration per Run	0.0075 ppm	93.1328 %	99.8432 %	91.7180 %	91.2955 %	99.7763 %	93.7503 %
Concentration RSD	0.5 %	0.5 %	1.0 %	0.7 %	0.7 %	0.9 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539693-01 WG2085572
Analysis started at: 7/1/2025 10:02:39 AM
Rack 1
Vial 23
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0168 ppm	-0.0002 ppm	0.0123 ppm	0.4361 ppm	0.0000 ppm	67.0454 ppm
Concentration per Run	-0.0004 ppm	0.0198 ppm	0.0009 ppm	0.0108 ppm	0.4349 ppm	0.0000 ppm	66.6943 ppm
Concentration per Run	-0.0003 ppm	0.0143 ppm	-0.0005 ppm	0.0124 ppm	0.4395 ppm	0.0000 ppm	67.3054 ppm
Concentration per Run	-0.0004 ppm	0.0163 ppm	-0.0008 ppm	0.0136 ppm	0.4340 ppm	0.0001 ppm	67.1366 ppm
Concentration RSD	21.4 %	16.6 %	559.9 %	11.3 %	0.7 %	42.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0031 ppm	0.0006 ppm	0.0011 ppm	0.0049 ppm	0.8521 ppm	0.0424 ppm
Concentration per Run	-0.0002 ppm	0.0032 ppm	0.0005 ppm	0.0015 ppm	0.0046 ppm	0.8758 ppm	0.0430 ppm
Concentration per Run	-0.0001 ppm	0.0031 ppm	0.0008 ppm	0.0010 ppm	0.0058 ppm	0.8376 ppm	0.0426 ppm
Concentration per Run	0.0000 ppm	0.0031 ppm	0.0005 ppm	0.0009 ppm	0.0042 ppm	0.8428 ppm	0.0415 ppm
Concentration RSD	77.0 %	2.1 %	34.5 %	32.4 %	17.6 %	2.4 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.2954 ppm	0.3234 ppm	0.0012 ppm	146.2461 ppm	0.0026 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run	1.3018 ppm	0.3230 ppm	0.0014 ppm	146.8520 ppm	0.0031 ppm	-0.0010 ppm	-0.0007 ppm
Concentration per Run	1.2949 ppm	0.3234 ppm	0.0010 ppm	145.3491 ppm	0.0024 ppm	0.0011 ppm	0.0003 ppm
Concentration per Run	1.2896 ppm	0.3238 ppm	0.0012 ppm	146.5371 ppm	0.0023 ppm	-0.0002 ppm	0.0044 ppm
Concentration RSD	0.5 %	0.1 %	18.1 %	0.5 %	17.5 %	4,452.8 %	204.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	0.4993 ppm	0.0000 ppm	0.6678 ppm	-0.0003 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0042 ppm	0.4988 ppm	0.0000 ppm	0.6646 ppm	-0.0003 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0045 ppm	0.4970 ppm	-0.0008 ppm	0.6713 ppm	-0.0002 ppm	-0.0022 ppm	-0.0003 ppm
Concentration per Run	0.0057 ppm	0.5021 ppm	0.0009 ppm	0.6676 ppm	-0.0003 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	16.3 %	0.5 %	1,925.8 %	0.5 %	15.4 %	228.6 %	61.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2436 ppm	93.0108 %	98.9696 %	90.9230 %	92.2354 %	100.3651 %	93.6214 %
Concentration per Run	0.2441 ppm	92.8369 %	99.4515 %	90.7989 %	92.5866 %	102.3704 %	93.7681 %
Concentration per Run	0.2442 ppm	92.7713 %	98.8969 %	90.8910 %	91.7888 %	98.5585 %	93.6606 %
Concentration per Run	0.2425 ppm	93.4240 %	98.5603 %	91.0792 %	92.3308 %	100.1665 %	93.4354 %
Concentration RSD	0.4 %	0.4 %	0.5 %	0.2 %	0.4 %	1.9 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540360-01 WG2085572
Analysis started at: 7/1/2025 10:06:03 AM
Rack 1
Vial 24
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.4302 ppm	0.0031 ppm	0.0482 ppm	0.0018 ppm	0.0002 ppm	3.7935 ppm
Concentration per Run	-0.0004 ppm	0.4379 ppm	0.0040 ppm	0.0476 ppm	0.0018 ppm	0.0002 ppm	3.7725 ppm
Concentration per Run	-0.0007 ppm	0.4235 ppm	0.0025 ppm	0.0479 ppm	0.0017 ppm	0.0002 ppm	3.7987 ppm
Concentration per Run	-0.0006 ppm	0.4292 ppm	0.0027 ppm	0.0492 ppm	0.0018 ppm	0.0002 ppm	3.8093 ppm
Concentration RSD	21.6 %	1.7 %	26.0 %	1.7 %	2.9 %	10.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0057 ppm	0.0005 ppm	0.0068 ppm	0.0171 ppm	0.1787 ppm	1.3968 ppm	0.0061 ppm
Concentration per Run	0.0058 ppm	0.0007 ppm	0.0066 ppm	0.0171 ppm	0.1758 ppm	1.4233 ppm	0.0066 ppm
Concentration per Run	0.0056 ppm	0.0004 ppm	0.0069 ppm	0.0172 ppm	0.1808 ppm	1.3993 ppm	0.0056 ppm
Concentration per Run	0.0057 ppm	0.0005 ppm	0.0070 ppm	0.0172 ppm	0.1794 ppm	1.3679 ppm	0.0060 ppm
Concentration RSD	1.7 %	25.6 %	3.1 %	0.4 %	1.4 %	2.0 %	8.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.4835 ppm	0.0677 ppm	0.0007 ppm	136.1118 ppm	0.0064 ppm	0.0129 ppm	0.0041 ppm
Concentration per Run	3.4858 ppm	0.0676 ppm	0.0004 ppm	136.7402 ppm	0.0058 ppm	0.0134 ppm	0.0069 ppm
Concentration per Run	3.4817 ppm	0.0679 ppm	0.0009 ppm	136.1255 ppm	0.0064 ppm	0.0129 ppm	0.0037 ppm
Concentration per Run	3.4829 ppm	0.0676 ppm	0.0007 ppm	135.4697 ppm	0.0071 ppm	0.0124 ppm	0.0018 ppm
Concentration RSD	0.1 %	0.3 %	40.8 %	0.5 %	9.8 %	4.0 %	62.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	0.3439 ppm	0.0004 ppm	0.0116 ppm	0.0034 ppm	-0.0005 ppm	0.0040 ppm
Concentration per Run	0.0050 ppm	0.3426 ppm	0.0007 ppm	0.0116 ppm	0.0034 ppm	-0.0015 ppm	0.0040 ppm
Concentration per Run	0.0023 ppm	0.3455 ppm	0.0003 ppm	0.0116 ppm	0.0034 ppm	0.0019 ppm	0.0040 ppm
Concentration per Run	0.0009 ppm	0.3436 ppm	0.0001 ppm	0.0117 ppm	0.0034 ppm	-0.0017 ppm	0.0040 ppm
Concentration RSD	77.3 %	0.4 %	75.5 %	0.4 %	1.0 %	430.4 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2189 ppm	94.3851 %	100.4465 %	92.4876 %	93.0640 %	101.4264 %	94.1677 %
Concentration per Run	0.2197 ppm	94.3539 %	101.1790 %	92.1445 %	93.2777 %	102.2425 %	93.8718 %
Concentration per Run	0.2189 ppm	94.5083 %	100.0326 %	92.5584 %	93.3720 %	101.1693 %	94.3400 %
Concentration per Run	0.2180 ppm	94.2932 %	100.1279 %	92.7598 %	92.5424 %	100.8673 %	94.2913 %
Concentration RSD	0.4 %	0.1 %	0.6 %	0.3 %	0.5 %	0.7 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540463-01 WG2085572
Analysis started at: 7/1/2025 10:09:30 AM
Rack 1
Vial 25
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0045 ppm	-0.0022 ppm	0.0086 ppm	0.0299 ppm	0.0000 ppm	72.8559 ppm
Concentration per Run	0.0000 ppm	-0.0034 ppm	-0.0032 ppm	0.0082 ppm	0.0299 ppm	0.0000 ppm	72.4547 ppm
Concentration per Run	-0.0008 ppm	-0.0069 ppm	-0.0026 ppm	0.0086 ppm	0.0300 ppm	0.0000 ppm	72.8613 ppm
Concentration per Run	-0.0004 ppm	-0.0031 ppm	-0.0009 ppm	0.0089 ppm	0.0297 ppm	0.0000 ppm	73.2517 ppm
Concentration RSD	106.5 %	46.9 %	54.8 %	3.8 %	0.5 %	204.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0014 ppm	0.0002 ppm	0.0010 ppm	0.0039 ppm	0.3982 ppm	0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0018 ppm	0.0003 ppm	0.0009 ppm	0.0036 ppm	0.3994 ppm	0.0019 ppm
Concentration per Run	-0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0007 ppm	0.0051 ppm	0.4104 ppm	0.0022 ppm
Concentration per Run	-0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0014 ppm	0.0029 ppm	0.3847 ppm	0.0017 ppm
Concentration RSD	25.6 %	44.0 %	38.0 %	35.9 %	28.1 %	3.2 %	13.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.7908 ppm	0.3696 ppm	0.0005 ppm	147.0951 ppm	0.0021 ppm	0.0009 ppm	0.0025 ppm
Concentration per Run	0.7886 ppm	0.3682 ppm	-0.0001 ppm	147.2465 ppm	0.0024 ppm	0.0009 ppm	0.0033 ppm
Concentration per Run	0.7811 ppm	0.3704 ppm	0.0009 ppm	147.6856 ppm	0.0020 ppm	0.0015 ppm	0.0035 ppm
Concentration per Run	0.8028 ppm	0.3701 ppm	0.0007 ppm	146.3532 ppm	0.0019 ppm	0.0005 ppm	0.0008 ppm
Concentration RSD	1.4 %	0.3 %	114.7 %	0.5 %	11.4 %	53.3 %	60.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	0.1513 ppm	-0.0001 ppm	0.1393 ppm	-0.0006 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0043 ppm	0.1463 ppm	0.0000 ppm	0.1400 ppm	-0.0007 ppm	-0.0029 ppm	-0.0002 ppm
Concentration per Run	0.0050 ppm	0.1519 ppm	-0.0006 ppm	0.1393 ppm	-0.0007 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0024 ppm	0.1557 ppm	0.0003 ppm	0.1386 ppm	-0.0003 ppm	0.0001 ppm	-0.0003 ppm
Concentration RSD	34.3 %	3.1 %	665.5 %	0.5 %	35.8 %	179.8 %	26.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0056 ppm	92.8546 %	99.1174 %	90.6360 %	92.0722 %	100.4979 %	92.8855 %
Concentration per Run	0.0055 ppm	92.6921 %	99.1387 %	90.5171 %	91.9503 %	100.6563 %	92.7452 %
Concentration per Run	0.0055 ppm	92.8572 %	99.2177 %	90.6596 %	92.2688 %	100.7005 %	92.8546 %
Concentration per Run	0.0056 ppm	93.0143 %	98.9958 %	90.7314 %	91.9976 %	100.1370 %	93.0568 %
Concentration RSD	0.9 %	0.2 %	0.1 %	0.1 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540493-01 WG2085572
Analysis started at: 7/1/2025 10:12:52 AM
Rack 1
Vial 26
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0681 ppm	-0.0011 ppm	0.0140 ppm	0.0306 ppm	0.0000 ppm	6.8568 ppm
Concentration per Run	-0.0004 ppm	0.0691 ppm	-0.0027 ppm	0.0128 ppm	0.0306 ppm	0.0000 ppm	6.8473 ppm
Concentration per Run	-0.0009 ppm	0.0663 ppm	0.0001 ppm	0.0138 ppm	0.0305 ppm	0.0000 ppm	6.8537 ppm
Concentration per Run	-0.0002 ppm	0.0688 ppm	-0.0007 ppm	0.0153 ppm	0.0306 ppm	0.0000 ppm	6.8695 ppm
Concentration RSD	79.7 %	2.2 %	134.3 %	8.9 %	0.2 %	261.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0008 ppm	-0.0003 ppm	0.0003 ppm	0.0024 ppm	0.1130 ppm	0.4239 ppm	0.0010 ppm
Concentration per Run	0.0007 ppm	-0.0005 ppm	0.0004 ppm	0.0027 ppm	0.1173 ppm	0.4515 ppm	0.0011 ppm
Concentration per Run	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0021 ppm	0.1110 ppm	0.4169 ppm	0.0009 ppm
Concentration per Run	0.0007 ppm	-0.0006 ppm	0.0003 ppm	0.0023 ppm	0.1107 ppm	0.4033 ppm	0.0011 ppm
Concentration RSD	4.7 %	123.5 %	48.7 %	14.0 %	3.3 %	5.9 %	10.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.2359 ppm	0.0793 ppm	0.0004 ppm	137.1434 ppm	0.0006 ppm	0.0160 ppm	0.0001 ppm
Concentration per Run	1.2446 ppm	0.0793 ppm	0.0006 ppm	137.6095 ppm	0.0003 ppm	0.0161 ppm	-0.0018 ppm
Concentration per Run	1.2252 ppm	0.0793 ppm	0.0007 ppm	136.0320 ppm	0.0005 ppm	0.0165 ppm	0.0006 ppm
Concentration per Run	1.2380 ppm	0.0794 ppm	-0.0001 ppm	137.7888 ppm	0.0011 ppm	0.0156 ppm	0.0014 ppm
Concentration RSD	0.8 %	0.1 %	116.1 %	0.7 %	64.4 %	2.8 %	1,682.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	0.5414 ppm	0.0017 ppm	0.0276 ppm	0.0002 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0051 ppm	0.5442 ppm	0.0026 ppm	0.0276 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run	0.0023 ppm	0.5426 ppm	0.0013 ppm	0.0277 ppm	0.0008 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run	0.0030 ppm	0.5375 ppm	0.0013 ppm	0.0276 ppm	-0.0001 ppm	-0.0004 ppm	-0.0003 ppm
Concentration RSD	41.6 %	0.6 %	44.4 %	0.2 %	190.5 %	89.6 %	114.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0379 ppm	93.8901 %	99.6058 %	92.3468 %	92.8476 %	100.6990 %	93.8836 %
Concentration per Run	0.0379 ppm	92.7106 %	99.9249 %	91.8988 %	92.0962 %	101.8547 %	93.4344 %
Concentration per Run	0.0377 ppm	94.7173 %	99.5894 %	92.8346 %	93.1220 %	100.2432 %	94.1411 %
Concentration per Run	0.0381 ppm	94.2425 %	99.3031 %	92.3070 %	93.3245 %	99.9992 %	94.0754 %
Concentration RSD	0.5 %	1.1 %	0.3 %	0.5 %	0.7 %	1.0 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 10:16:14 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5216 ppm	0.4903 ppm	0.4900 ppm	0.5186 ppm	0.5146 ppm	0.5274 ppm	0.5114 ppm
Concentration per Run	0.5230 ppm	0.4890 ppm	0.4904 ppm	0.5210 ppm	0.5094 ppm	0.5241 ppm	0.5052 ppm
Concentration per Run	0.5232 ppm	0.4942 ppm	0.4934 ppm	0.5175 ppm	0.5158 ppm	0.5293 ppm	0.5171 ppm
Concentration per Run	0.5185 ppm	0.4876 ppm	0.4863 ppm	0.5173 ppm	0.5187 ppm	0.5289 ppm	0.5119 ppm
Recovery Percentage	104.315 %	98.054 %	98.003 %	103.721 %	102.925 %	105.485 %	102.274 %
Concentration RSD	0.5 %	0.7 %	0.7 %	0.4 %	0.9 %	0.6 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5155 ppm	0.5228 ppm	0.5262 ppm	0.5230 ppm	0.5216 ppm	5.3898 ppm	0.5352 ppm
Concentration per Run	0.5177 ppm	0.5255 ppm	0.5268 ppm	0.5236 ppm	0.5191 ppm	5.3945 ppm	0.5261 ppm
Concentration per Run	0.5143 ppm	0.5214 ppm	0.5282 ppm	0.5252 ppm	0.5232 ppm	5.3863 ppm	0.5428 ppm
Concentration per Run	0.5143 ppm	0.5216 ppm	0.5236 ppm	0.5202 ppm	0.5225 ppm	5.3886 ppm	0.5365 ppm
Recovery Percentage	103.090 %	104.568 %	105.244 %	104.601 %	104.325 %	107.796 %	107.032 %
Concentration RSD	0.4 %	0.4 %	0.4 %	0.5 %	0.4 %	0.1 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5226 ppm	0.5179 ppm	0.5046 ppm	10.7343 ppm	0.5307 ppm	0.5058 ppm	0.5238 ppm
Concentration per Run	0.5274 ppm	0.5133 ppm	0.5047 ppm	10.6910 ppm	0.5322 ppm	0.5036 ppm	0.5206 ppm
Concentration per Run	0.5231 ppm	0.5220 ppm	0.5035 ppm	10.7497 ppm	0.5319 ppm	0.5085 ppm	0.5223 ppm
Concentration per Run	0.5173 ppm	0.5183 ppm	0.5055 ppm	10.7623 ppm	0.5280 ppm	0.5054 ppm	0.5285 ppm
Recovery Percentage	104.521 %	103.573 %	100.915 %	107.343 %	106.139 %	101.169 %	104.760 %
Concentration RSD	1.0 %	0.8 %	0.2 %	0.4 %	0.4 %	0.5 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4993 ppm	5.6831 ppm	0.5344 ppm	0.5190 ppm	0.5187 ppm	0.5023 ppm	0.5256 ppm
Concentration per Run	0.4937 ppm	5.6913 ppm	0.5306 ppm	0.5148 ppm	0.5204 ppm	0.4992 ppm	0.5277 ppm
Concentration per Run	0.5024 ppm	5.6929 ppm	0.5361 ppm	0.5192 ppm	0.5192 ppm	0.5024 ppm	0.5260 ppm
Concentration per Run	0.5020 ppm	5.6651 ppm	0.5366 ppm	0.5229 ppm	0.5164 ppm	0.5054 ppm	0.5232 ppm
Recovery Percentage	99.869 %	108.250 %	106.887 %	103.794 %	103.730 %	100.468 %	105.124 %
Concentration RSD	1.0 %	0.3 %	0.6 %	0.8 %	0.4 %	0.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5281 ppm	95.2494 %	102.1884 %	95.2222 %	94.6350 %	102.9276 %	95.5181 %
Concentration per Run	0.5305 ppm	95.2753 %	102.6776 %	96.2092 %	94.7972 %	103.9751 %	96.4453 %
Concentration per Run	0.5263 ppm	95.3781 %	101.6537 %	95.6908 %	94.6246 %	101.8416 %	95.9290 %
Concentration per Run	0.5273 ppm	95.0947 %	102.2339 %	93.7665 %	94.4832 %	102.9661 %	94.1799 %
Recovery Percentage	105.611 %						
Concentration RSD	0.4 %	0.2 %	0.5 %	1.4 %	0.2 %	1.0 %	1.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 10:19:38 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0026 ppm	-0.0006 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	-0.0004 ppm	-0.0017 ppm	-0.0013 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run	-0.0006 ppm	-0.0021 ppm	0.0005 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run	0.0000 ppm	-0.0041 ppm	-0.0008 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage	-7.216 %	-2.639 %	-11.209 %	3.445 %	-0.116 %	0.402 %	-0.002 %
Concentration RSD	80.2 %	48.0 %	165.4 %	46.6 %	608.4 %	46.3 %	94,317.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0002 ppm	0.0247 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0009 ppm	-0.0003 ppm	0.0268 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	-0.0001 ppm	0.0008 ppm	-0.0012 ppm	0.0201 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	0.0005 ppm	0.0004 ppm	0.0002 ppm	0.0009 ppm	0.0272 ppm	-0.0003 ppm
Recovery Percentage	1.328 %	-1.584 %	0.342 %	6.206 %	-0.411 %	0.989 %	-1.896 %
Concentration RSD	79.0 %	419.8 %	1,008.9 %	53.4 %	510.9 %	16.0 %	131.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0021 ppm	0.0001 ppm	0.0035 ppm	0.0372 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	-0.0028 ppm	0.0001 ppm	0.0029 ppm	0.0362 ppm	0.0005 ppm	-0.0003 ppm	0.0015 ppm
Concentration per Run	-0.0014 ppm	0.0001 ppm	0.0039 ppm	0.0375 ppm	-0.0016 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run	-0.0021 ppm	0.0000 ppm	0.0039 ppm	0.0379 ppm	-0.0006 ppm	0.0001 ppm	-0.0013 ppm
Recovery Percentage	-2.101 %	0.912 %	7.060 %	1.860 %	-2.232 %	-0.188 %	-0.038 %
Concentration RSD	33.9 %	57.3 %	16.4 %	2.5 %	190.8 %	1,200.6 %	7,665.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0072 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0060 ppm	0.0043 ppm	0.0003 ppm	0.0001 ppm	-0.0004 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0090 ppm	0.0005 ppm	-0.0001 ppm	0.0000 ppm	-0.0008 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run	0.0068 ppm	0.0017 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0008 ppm	-0.0004 ppm
Recovery Percentage	72.338 %	0.429 %	0.136 %	0.295 %	-5.482 %	4.488 %	-2.122 %
Concentration RSD	21.7 %	90.7 %	318.2 %	110.0 %	36.4 %	49.5 %	109.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	92.9394 %	102.6647 %	95.3863 %	94.0231 %	104.7106 %	95.8189 %
Concentration per Run	0.0001 ppm	93.4434 %	103.6044 %	95.1585 %	95.0320 %	106.0049 %	95.3327 %
Concentration per Run	0.0001 ppm	92.5232 %	102.4299 %	95.4209 %	93.5956 %	104.6077 %	96.1808 %
Concentration per Run	0.0003 ppm	92.8515 %	101.9598 %	95.5796 %	93.4417 %	103.5193 %	95.9432 %
Recovery Percentage	3.920 %						
Concentration RSD	65.6 %	0.5 %	0.8 %	0.2 %	0.9 %	1.2 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540493-02 WG2085572
Analysis started at: 7/1/2025 10:29:39 AM
Rack 1
Vial 27
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0093 ppm	0.0008 ppm	0.0104 ppm	0.0275 ppm	0.0000 ppm	7.7820 ppm
Concentration per Run	-0.0002 ppm	0.0093 ppm	0.0008 ppm	0.0109 ppm	0.0276 ppm	0.0000 ppm	7.7313 ppm
Concentration per Run	-0.0004 ppm	0.0102 ppm	0.0012 ppm	0.0091 ppm	0.0274 ppm	0.0000 ppm	7.8278 ppm
Concentration per Run	-0.0006 ppm	0.0085 ppm	0.0002 ppm	0.0112 ppm	0.0274 ppm	0.0000 ppm	7.7870 ppm
Concentration RSD	50.1 %	9.1 %	64.9 %	10.8 %	0.4 %	106.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	-0.0009 ppm	0.0003 ppm	0.0014 ppm	0.0181 ppm	0.3449 ppm	0.0012 ppm
Concentration per Run	0.0004 ppm	-0.0008 ppm	0.0002 ppm	0.0015 ppm	0.0184 ppm	0.3531 ppm	0.0017 ppm
Concentration per Run	0.0006 ppm	-0.0006 ppm	0.0004 ppm	0.0014 ppm	0.0175 ppm	0.3527 ppm	0.0013 ppm
Concentration per Run	0.0004 ppm	-0.0011 ppm	0.0001 ppm	0.0012 ppm	0.0184 ppm	0.3291 ppm	0.0005 ppm
Concentration RSD	19.1 %	31.8 %	64.3 %	10.8 %	3.0 %	4.0 %	51.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.3203 ppm	0.0972 ppm	0.0007 ppm	134.7560 ppm	0.0018 ppm	0.0056 ppm	0.0033 ppm
Concentration per Run	1.3136 ppm	0.0975 ppm	0.0006 ppm	135.7614 ppm	0.0026 ppm	0.0056 ppm	0.0047 ppm
Concentration per Run	1.3273 ppm	0.0972 ppm	0.0005 ppm	133.1742 ppm	0.0017 ppm	0.0048 ppm	0.0029 ppm
Concentration per Run	1.3201 ppm	0.0970 ppm	0.0011 ppm	135.3325 ppm	0.0012 ppm	0.0064 ppm	0.0024 ppm
Concentration RSD	0.5 %	0.3 %	47.8 %	1.0 %	40.6 %	14.2 %	35.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	0.5832 ppm	0.0003 ppm	0.0269 ppm	-0.0002 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0038 ppm	0.5824 ppm	0.0005 ppm	0.0269 ppm	-0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run	0.0043 ppm	0.5844 ppm	0.0001 ppm	0.0269 ppm	-0.0003 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run	0.0029 ppm	0.5830 ppm	0.0003 ppm	0.0270 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm
Concentration RSD	19.8 %	0.2 %	67.3 %	0.2 %	32.3 %	120.1 %	65.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0355 ppm	99.5789 %	100.4380 %	95.4433 %	98.7939 %	100.5758 %	97.9034 %
Concentration per Run	0.0357 ppm	99.5889 %	100.7430 %	94.8393 %	98.9886 %	101.3841 %	97.3027 %
Concentration per Run	0.0353 ppm	99.3395 %	100.1915 %	95.7887 %	98.2957 %	99.7525 %	98.3934 %
Concentration per Run	0.0355 ppm	99.8082 %	100.3795 %	95.7020 %	99.0974 %	100.5907 %	98.0139 %
Concentration RSD	0.6 %	0.2 %	0.3 %	0.5 %	0.4 %	0.8 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540493-03 WG2085572
Analysis started at: 7/1/2025 10:33:14 AM
Rack 1
Vial 28
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0235 ppm	-0.0014 ppm	0.0215 ppm	0.0215 ppm	0.0000 ppm	6.4338 ppm
Concentration per Run	-0.0008 ppm	0.0196 ppm	-0.0019 ppm	0.0210 ppm	0.0216 ppm	0.0000 ppm	6.4153 ppm
Concentration per Run	-0.0004 ppm	0.0273 ppm	-0.0006 ppm	0.0206 ppm	0.0214 ppm	0.0000 ppm	6.4121 ppm
Concentration per Run	-0.0003 ppm	0.0236 ppm	-0.0017 ppm	0.0229 ppm	0.0214 ppm	0.0000 ppm	6.4739 ppm
Concentration RSD	46.1 %	16.5 %	48.1 %	5.5 %	0.4 %	32.1 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0003 ppm	0.0002 ppm	0.0017 ppm	0.0230 ppm	0.3955 ppm	0.0009 ppm
Concentration per Run	0.0002 ppm	-0.0008 ppm	0.0003 ppm	0.0020 ppm	0.0234 ppm	0.4139 ppm	0.0012 ppm
Concentration per Run	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm	0.0234 ppm	0.3899 ppm	0.0007 ppm
Concentration per Run	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0015 ppm	0.0221 ppm	0.3828 ppm	0.0007 ppm
Concentration RSD	15.5 %	130.9 %	70.9 %	14.8 %	3.3 %	4.1 %	34.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.8546 ppm	0.0534 ppm	0.0004 ppm	136.5206 ppm	0.0010 ppm	0.0101 ppm	0.0036 ppm
Concentration per Run	0.8612 ppm	0.0536 ppm	-0.0001 ppm	136.8346 ppm	0.0009 ppm	0.0103 ppm	0.0015 ppm
Concentration per Run	0.8531 ppm	0.0528 ppm	0.0004 ppm	137.0040 ppm	0.0010 ppm	0.0110 ppm	0.0086 ppm
Concentration per Run	0.8495 ppm	0.0537 ppm	0.0010 ppm	135.7231 ppm	0.0013 ppm	0.0090 ppm	0.0008 ppm
Concentration RSD	0.7 %	0.9 %	130.8 %	0.5 %	18.2 %	10.4 %	119.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0051 ppm	0.3244 ppm	-0.0003 ppm	0.0266 ppm	-0.0003 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0060 ppm	0.3198 ppm	-0.0005 ppm	0.0268 ppm	0.0000 ppm	0.0009 ppm	-0.0004 ppm
Concentration per Run	0.0052 ppm	0.3251 ppm	0.0002 ppm	0.0265 ppm	-0.0004 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	0.3283 ppm	-0.0007 ppm	0.0267 ppm	-0.0004 ppm	-0.0005 ppm	0.0000 ppm
Concentration RSD	18.2 %	1.3 %	150.3 %	0.6 %	78.1 %	1,554.7 %	189.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0103 ppm	93.8109 %	100.2898 %	92.6443 %	92.4994 %	100.6819 %	93.9736 %
Concentration per Run	0.0103 ppm	93.4723 %	100.7782 %	92.3174 %	92.1713 %	101.4996 %	93.6153 %
Concentration per Run	0.0103 ppm	94.0300 %	100.7487 %	93.1148 %	92.4797 %	101.4589 %	94.3394 %
Concentration per Run	0.0103 ppm	93.9303 %	99.3426 %	92.5007 %	92.8471 %	99.0872 %	93.9661 %
Concentration RSD	0.1 %	0.3 %	0.8 %	0.5 %	0.4 %	1.4 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540493-04 WG2085572
Analysis started at: 7/1/2025 10:36:36 AM
Rack 1
Vial 29
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0332 ppm	0.0002 ppm	0.0095 ppm	0.0430 ppm	0.0001 ppm	4.6521 ppm
Concentration per Run	-0.0006 ppm	0.0348 ppm	0.0006 ppm	0.0094 ppm	0.0433 ppm	0.0001 ppm	4.6821 ppm
Concentration per Run	-0.0005 ppm	0.0314 ppm	-0.0004 ppm	0.0098 ppm	0.0430 ppm	0.0001 ppm	4.6591 ppm
Concentration per Run	-0.0004 ppm	0.0333 ppm	0.0003 ppm	0.0094 ppm	0.0429 ppm	0.0001 ppm	4.6151 ppm
Concentration RSD	14.5 %	5.0 %	291.6 %	2.5 %	0.5 %	8.3 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0032 ppm	0.0002 ppm	0.0031 ppm	0.0307 ppm	0.2307 ppm	0.0014 ppm
Concentration per Run	0.0015 ppm	0.0033 ppm	0.0001 ppm	0.0028 ppm	0.0315 ppm	0.2345 ppm	0.0017 ppm
Concentration per Run	0.0013 ppm	0.0033 ppm	0.0002 ppm	0.0032 ppm	0.0308 ppm	0.2311 ppm	0.0013 ppm
Concentration per Run	0.0014 ppm	0.0031 ppm	0.0002 ppm	0.0034 ppm	0.0297 ppm	0.2266 ppm	0.0011 ppm
Concentration RSD	6.0 %	3.7 %	45.9 %	8.7 %	3.0 %	1.7 %	24.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5055 ppm	0.3352 ppm	0.0004 ppm	137.5527 ppm	0.0019 ppm	0.6387 ppm	0.0020 ppm
Concentration per Run	0.5079 ppm	0.3360 ppm	0.0003 ppm	136.1548 ppm	0.0033 ppm	0.6398 ppm	0.0008 ppm
Concentration per Run	0.5026 ppm	0.3350 ppm	0.0000 ppm	137.0896 ppm	0.0011 ppm	0.6402 ppm	-0.0003 ppm
Concentration per Run	0.5059 ppm	0.3347 ppm	0.0009 ppm	139.4138 ppm	0.0013 ppm	0.6361 ppm	0.0056 ppm
Concentration RSD	0.5 %	0.2 %	105.8 %	1.2 %	62.8 %	0.4 %	152.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0041 ppm	0.2063 ppm	-0.0003 ppm	0.0208 ppm	-0.0005 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0045 ppm	0.2098 ppm	0.0003 ppm	0.0208 ppm	-0.0006 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run	0.0039 ppm	0.2065 ppm	-0.0019 ppm	0.0208 ppm	-0.0003 ppm	-0.0016 ppm	-0.0001 ppm
Concentration per Run	0.0040 ppm	0.2027 ppm	0.0007 ppm	0.0208 ppm	-0.0007 ppm	-0.0004 ppm	-0.0002 ppm
Concentration RSD	8.0 %	1.7 %	481.3 %	0.1 %	38.8 %	88.4 %	122.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0258 ppm	93.9766 %	100.2983 %	92.8916 %	93.4345 %	100.7635 %	94.2463 %
Concentration per Run	0.0258 ppm	94.1122 %	100.3294 %	93.2690 %	93.8778 %	100.2147 %	94.6471 %
Concentration per Run	0.0259 ppm	93.9075 %	100.0505 %	91.9602 %	93.1377 %	99.9590 %	93.3772 %
Concentration per Run	0.0256 ppm	93.9101 %	100.5149 %	93.4455 %	93.2879 %	102.1168 %	94.7148 %
Concentration RSD	0.5 %	0.1 %	0.2 %	0.9 %	0.4 %	1.2 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540493-05 WG2085572
Analysis started at: 7/1/2025 10:40:00 AM
Rack 1
Vial 30
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0068 ppm	-0.0016 ppm	0.0089 ppm	0.0283 ppm	0.0000 ppm	4.8600 ppm
Concentration per Run	-0.0003 ppm	0.0042 ppm	-0.0015 ppm	0.0105 ppm	0.0284 ppm	0.0000 ppm	4.8391 ppm
Concentration per Run	-0.0005 ppm	0.0089 ppm	-0.0028 ppm	0.0069 ppm	0.0283 ppm	0.0000 ppm	4.8544 ppm
Concentration per Run	-0.0003 ppm	0.0072 ppm	-0.0006 ppm	0.0092 ppm	0.0282 ppm	0.0001 ppm	4.8866 ppm
Concentration RSD	36.5 %	35.3 %	66.1 %	20.6 %	0.2 %	75.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0006 ppm	0.0023 ppm	0.0003 ppm	0.0012 ppm	0.0103 ppm	0.2166 ppm	0.0014 ppm
Concentration per Run	0.0007 ppm	0.0023 ppm	0.0003 ppm	0.0011 ppm	0.0105 ppm	0.2356 ppm	0.0014 ppm
Concentration per Run	0.0006 ppm	0.0025 ppm	0.0006 ppm	0.0016 ppm	0.0100 ppm	0.2146 ppm	0.0019 ppm
Concentration per Run	0.0006 ppm	0.0023 ppm	0.0001 ppm	0.0009 ppm	0.0104 ppm	0.1997 ppm	0.0009 ppm
Concentration RSD	10.6 %	4.7 %	71.2 %	26.3 %	2.4 %	8.3 %	33.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6259 ppm	1.3694 ppm	0.0001 ppm	136.3997 ppm	0.0012 ppm	0.0478 ppm	0.0030 ppm
Concentration per Run	0.6306 ppm	1.3695 ppm	0.0002 ppm	137.0314 ppm	0.0007 ppm	0.0488 ppm	0.0035 ppm
Concentration per Run	0.6249 ppm	1.3711 ppm	0.0007 ppm	137.0663 ppm	0.0006 ppm	0.0470 ppm	0.0028 ppm
Concentration per Run	0.6221 ppm	1.3676 ppm	-0.0006 ppm	135.1014 ppm	0.0024 ppm	0.0476 ppm	0.0027 ppm
Concentration RSD	0.7 %	0.1 %	551.3 %	0.8 %	81.5 %	1.9 %	15.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0047 ppm	0.2660 ppm	-0.0001 ppm	0.0195 ppm	-0.0007 ppm	-0.0013 ppm	-0.0002 ppm
Concentration per Run	0.0048 ppm	0.2664 ppm	-0.0006 ppm	0.0195 ppm	-0.0006 ppm	-0.0012 ppm	-0.0001 ppm
Concentration per Run	0.0027 ppm	0.2658 ppm	0.0001 ppm	0.0195 ppm	-0.0003 ppm	-0.0021 ppm	-0.0001 ppm
Concentration per Run	0.0067 ppm	0.2657 ppm	0.0001 ppm	0.0194 ppm	-0.0010 ppm	-0.0007 ppm	-0.0005 ppm
Concentration RSD	41.9 %	0.2 %	270.8 %	0.2 %	48.8 %	55.1 %	85.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0523 ppm	93.9659 %	99.8077 %	92.8272 %	93.2726 %	99.4538 %	93.8992 %
Concentration per Run	0.0524 ppm	93.8606 %	100.2035 %	92.8025 %	93.5828 %	100.5798 %	93.8420 %
Concentration per Run	0.0520 ppm	93.8296 %	99.9249 %	92.7668 %	93.0656 %	99.6274 %	93.5178 %
Concentration per Run	0.0523 ppm	94.2074 %	99.2947 %	92.9123 %	93.1694 %	98.1542 %	94.3378 %
Concentration RSD	0.3 %	0.2 %	0.5 %	0.1 %	0.3 %	1.2 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540673-01 WG2085572
Analysis started at: 7/1/2025 10:43:23 AM
Rack 1
Vial 31
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0151 ppm	-0.0014 ppm	0.0054 ppm	0.0574 ppm	0.0000 ppm	1.9789 ppm
Concentration per Run	-0.0007 ppm	0.0140 ppm	-0.0016 ppm	0.0049 ppm	0.0578 ppm	0.0000 ppm	1.9700 ppm
Concentration per Run	-0.0006 ppm	0.0146 ppm	-0.0013 ppm	0.0050 ppm	0.0573 ppm	0.0000 ppm	1.9721 ppm
Concentration per Run	-0.0009 ppm	0.0167 ppm	-0.0012 ppm	0.0064 ppm	0.0571 ppm	0.0000 ppm	1.9945 ppm
Concentration RSD	23.4 %	9.4 %	14.3 %	15.3 %	0.6 %	55.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0004 ppm	-0.0003 ppm	0.0004 ppm	0.0224 ppm	0.0040 ppm	0.3217 ppm	0.0016 ppm
Concentration per Run	0.0003 ppm	0.0002 ppm	0.0004 ppm	0.0224 ppm	0.0032 ppm	0.3342 ppm	0.0016 ppm
Concentration per Run	0.0004 ppm	-0.0003 ppm	0.0005 ppm	0.0222 ppm	0.0040 ppm	0.3150 ppm	0.0016 ppm
Concentration per Run	0.0004 ppm	-0.0006 ppm	0.0003 ppm	0.0225 ppm	0.0048 ppm	0.3157 ppm	0.0016 ppm
Concentration RSD	15.4 %	160.2 %	19.3 %	0.8 %	20.1 %	3.4 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1788 ppm	0.0025 ppm	-0.0001 ppm	141.3839 ppm	0.0022 ppm	0.1051 ppm	0.0039 ppm
Concentration per Run	0.1788 ppm	0.0025 ppm	0.0003 ppm	139.3937 ppm	0.0024 ppm	0.1053 ppm	0.0028 ppm
Concentration per Run	0.1788 ppm	0.0026 ppm	-0.0006 ppm	143.3233 ppm	0.0021 ppm	0.1045 ppm	0.0070 ppm
Concentration per Run	0.1787 ppm	0.0024 ppm	0.0002 ppm	141.4348 ppm	0.0021 ppm	0.1056 ppm	0.0019 ppm
Concentration RSD	0.0 %	4.1 %	766.4 %	1.4 %	7.7 %	0.5 %	70.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0042 ppm	0.3348 ppm	-0.0010 ppm	0.0125 ppm	-0.0006 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0033 ppm	0.3385 ppm	-0.0005 ppm	0.0125 ppm	-0.0006 ppm	-0.0017 ppm	0.0000 ppm
Concentration per Run	0.0053 ppm	0.3321 ppm	-0.0019 ppm	0.0125 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0038 ppm	0.3337 ppm	-0.0007 ppm	0.0125 ppm	-0.0004 ppm	-0.0009 ppm	-0.0002 ppm
Concentration RSD	25.1 %	1.0 %	76.0 %	0.3 %	24.1 %	110.9 %	72.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1100 ppm	93.7459 %	100.1182 %	92.0419 %	92.4050 %	99.8770 %	93.4527 %
Concentration per Run	0.1104 ppm	93.5508 %	101.0041 %	92.0842 %	92.4069 %	99.5472 %	93.3303 %
Concentration per Run	0.1102 ppm	93.5592 %	99.8344 %	92.1695 %	91.9194 %	100.4184 %	93.5609 %
Concentration per Run	0.1093 ppm	94.1277 %	99.5161 %	91.8719 %	92.8887 %	99.6653 %	93.4668 %
Concentration RSD	0.5 %	0.4 %	0.8 %	0.2 %	0.5 %	0.5 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540673-03 WG2085572
Analysis started at: 7/1/2025 10:46:46 AM
Rack 1
Vial 32
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0252 ppm	0.0005 ppm	0.0083 ppm	0.0775 ppm	0.0000 ppm	13.0276 ppm
Concentration per Run	0.0001 ppm	0.0238 ppm	-0.0011 ppm	0.0078 ppm	0.0773 ppm	0.0000 ppm	13.0667 ppm
Concentration per Run	-0.0003 ppm	0.0261 ppm	0.0018 ppm	0.0080 ppm	0.0777 ppm	0.0000 ppm	13.0266 ppm
Concentration per Run	-0.0004 ppm	0.0257 ppm	0.0007 ppm	0.0090 ppm	0.0776 ppm	0.0000 ppm	12.9895 ppm
Concentration RSD	118.1 %	5.0 %	315.2 %	7.9 %	0.2 %	32.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0013 ppm	0.0004 ppm	0.0206 ppm	0.0227 ppm	0.3861 ppm	0.0030 ppm
Concentration per Run	0.0007 ppm	0.0012 ppm	0.0004 ppm	0.0203 ppm	0.0225 ppm	0.4062 ppm	0.0029 ppm
Concentration per Run	0.0007 ppm	0.0011 ppm	0.0002 ppm	0.0210 ppm	0.0228 ppm	0.3789 ppm	0.0029 ppm
Concentration per Run	0.0008 ppm	0.0014 ppm	0.0006 ppm	0.0205 ppm	0.0229 ppm	0.3734 ppm	0.0031 ppm
Concentration RSD	9.6 %	12.5 %	42.1 %	1.7 %	0.8 %	4.5 %	4.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2013 ppm	0.1810 ppm	-0.0004 ppm	141.1391 ppm	0.0015 ppm	0.0557 ppm	0.0048 ppm
Concentration per Run	0.2027 ppm	0.1815 ppm	-0.0003 ppm	140.8104 ppm	0.0017 ppm	0.0567 ppm	0.0019 ppm
Concentration per Run	0.1992 ppm	0.1806 ppm	-0.0002 ppm	141.7526 ppm	0.0017 ppm	0.0548 ppm	0.0101 ppm
Concentration per Run	0.2021 ppm	0.1808 ppm	-0.0008 ppm	140.8543 ppm	0.0011 ppm	0.0556 ppm	0.0025 ppm
Concentration RSD	0.9 %	0.3 %	73.5 %	0.4 %	23.2 %	1.7 %	94.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	0.3816 ppm	-0.0008 ppm	0.0498 ppm	-0.0004 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run	0.0029 ppm	0.3824 ppm	-0.0005 ppm	0.0497 ppm	-0.0005 ppm	-0.0016 ppm	-0.0004 ppm
Concentration per Run	0.0044 ppm	0.3834 ppm	-0.0013 ppm	0.0498 ppm	-0.0008 ppm	-0.0013 ppm	0.0003 ppm
Concentration per Run	0.0047 ppm	0.3791 ppm	-0.0005 ppm	0.0499 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration RSD	23.5 %	0.6 %	57.6 %	0.2 %	123.8 %	102.8 %	2,296.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1623 ppm	94.6401 %	100.2353 %	92.6578 %	93.6366 %	100.6627 %	93.8808 %
Concentration per Run	0.1630 ppm	94.2268 %	99.9008 %	92.6369 %	93.4650 %	100.7203 %	94.2722 %
Concentration per Run	0.1629 ppm	94.8356 %	100.0075 %	92.4553 %	93.3817 %	99.9867 %	93.3200 %
Concentration per Run	0.1611 ppm	94.8579 %	100.7975 %	92.8814 %	94.0632 %	101.2811 %	94.0501 %
Concentration RSD	0.7 %	0.4 %	0.5 %	0.2 %	0.4 %	0.6 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540673-05 WG2085572
Analysis started at: 7/1/2025 10:50:10 AM
Rack 1
Vial 33
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0242 ppm	-0.0012 ppm	0.0063 ppm	0.0251 ppm	0.0000 ppm	1.6338 ppm
Concentration per Run	-0.0007 ppm	0.0230 ppm	-0.0017 ppm	0.0066 ppm	0.0252 ppm	0.0001 ppm	1.6353 ppm
Concentration per Run	-0.0005 ppm	0.0259 ppm	-0.0017 ppm	0.0061 ppm	0.0252 ppm	0.0000 ppm	1.6262 ppm
Concentration per Run	-0.0007 ppm	0.0237 ppm	-0.0001 ppm	0.0063 ppm	0.0251 ppm	0.0000 ppm	1.6398 ppm
Concentration RSD	14.7 %	6.1 %	78.9 %	3.6 %	0.2 %	119.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0000 ppm	0.0004 ppm	0.0063 ppm	0.0080 ppm	0.2906 ppm	0.0008 ppm
Concentration per Run	0.0033 ppm	-0.0003 ppm	0.0004 ppm	0.0062 ppm	0.0073 ppm	0.3100 ppm	0.0014 ppm
Concentration per Run	0.0032 ppm	0.0002 ppm	0.0005 ppm	0.0062 ppm	0.0078 ppm	0.2752 ppm	0.0005 ppm
Concentration per Run	0.0030 ppm	0.0001 ppm	0.0004 ppm	0.0065 ppm	0.0088 ppm	0.2865 ppm	0.0006 ppm
Concentration RSD	4.2 %	1,513.8 %	17.7 %	2.8 %	9.9 %	6.1 %	61.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0918 ppm	0.0111 ppm	-0.0001 ppm	140.5568 ppm	0.0020 ppm	0.0294 ppm	-0.0010 ppm
Concentration per Run	0.0918 ppm	0.0111 ppm	0.0000 ppm	141.4768 ppm	0.0022 ppm	0.0288 ppm	-0.0001 ppm
Concentration per Run	0.0910 ppm	0.0112 ppm	-0.0002 ppm	139.7959 ppm	0.0020 ppm	0.0294 ppm	-0.0007 ppm
Concentration per Run	0.0925 ppm	0.0110 ppm	-0.0001 ppm	140.3978 ppm	0.0017 ppm	0.0300 ppm	-0.0020 ppm
Concentration RSD	0.8 %	0.8 %	171.2 %	0.6 %	11.4 %	2.1 %	104.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	0.1705 ppm	-0.0002 ppm	0.0173 ppm	-0.0005 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0051 ppm	0.1722 ppm	0.0000 ppm	0.0174 ppm	-0.0008 ppm	-0.0015 ppm	-0.0002 ppm
Concentration per Run	0.0044 ppm	0.1678 ppm	-0.0005 ppm	0.0172 ppm	-0.0005 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run	0.0024 ppm	0.1714 ppm	-0.0001 ppm	0.0172 ppm	-0.0002 ppm	0.0003 ppm	0.0000 ppm
Concentration RSD	35.6 %	1.4 %	106.6 %	0.5 %	59.0 %	142.5 %	125.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.1562 ppm	94.9387 %	100.0386 %	92.4630 %	93.5481 %	99.9016 %	94.0001 %
Concentration per Run	2.1482 ppm	94.6526 %	100.2019 %	92.3174 %	92.7277 %	100.7734 %	93.7896 %
Concentration per Run	2.1667 ppm	95.2105 %	100.2845 %	92.7828 %	94.1158 %	100.4048 %	94.6033 %
Concentration per Run	2.1537 ppm	94.9531 %	99.6294 %	92.2888 %	93.8010 %	98.5265 %	93.6076 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.3 %	0.8 %	1.2 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540838-01 WG2085572
Analysis started at: 7/1/2025 10:53:35 AM
Rack 1
Vial 34
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	1.2141 ppm	0.0005 ppm	0.0393 ppm	0.0146 ppm	0.0000 ppm	2.8283 ppm
Concentration per Run	-0.0002 ppm	1.2214 ppm	0.0002 ppm	0.0381 ppm	0.0145 ppm	0.0001 ppm	2.8477 ppm
Concentration per Run	0.0002 ppm	1.2082 ppm	0.0012 ppm	0.0407 ppm	0.0145 ppm	0.0000 ppm	2.8168 ppm
Concentration per Run	-0.0005 ppm	1.2126 ppm	0.0001 ppm	0.0392 ppm	0.0147 ppm	0.0000 ppm	2.8204 ppm
Concentration RSD	207.0 %	0.6 %	111.0 %	3.4 %	0.7 %	30.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0012 ppm	0.0027 ppm	0.0039 ppm	2.8780 ppm	0.6169 ppm	0.0019 ppm
Concentration per Run	0.0000 ppm	0.0008 ppm	0.0025 ppm	0.0035 ppm	2.8917 ppm	0.6467 ppm	0.0017 ppm
Concentration per Run	0.0001 ppm	0.0013 ppm	0.0025 ppm	0.0044 ppm	2.8641 ppm	0.6053 ppm	0.0027 ppm
Concentration per Run	0.0003 ppm	0.0014 ppm	0.0030 ppm	0.0038 ppm	2.8781 ppm	0.5986 ppm	0.0012 ppm
Concentration RSD	101.2 %	24.6 %	10.9 %	11.8 %	0.5 %	4.2 %	38.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6229 ppm	0.0538 ppm	0.0000 ppm	149.6928 ppm	0.0021 ppm	0.0034 ppm	0.0024 ppm
Concentration per Run	0.6254 ppm	0.0540 ppm	-0.0001 ppm	149.4456 ppm	0.0022 ppm	0.0040 ppm	0.0025 ppm
Concentration per Run	0.6227 ppm	0.0538 ppm	0.0002 ppm	150.3901 ppm	0.0022 ppm	0.0031 ppm	0.0001 ppm
Concentration per Run	0.6207 ppm	0.0535 ppm	0.0000 ppm	149.2427 ppm	0.0021 ppm	0.0030 ppm	0.0046 ppm
Concentration RSD	0.4 %	0.4 %	369.7 %	0.4 %	2.5 %	16.4 %	92.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	2.0668 ppm	0.0001 ppm	0.0113 ppm	0.0281 ppm	-0.0004 ppm	0.0021 ppm
Concentration per Run	0.0013 ppm	2.0573 ppm	0.0005 ppm	0.0114 ppm	0.0281 ppm	-0.0001 ppm	0.0019 ppm
Concentration per Run	0.0042 ppm	2.0704 ppm	-0.0005 ppm	0.0113 ppm	0.0279 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run	0.0020 ppm	2.0728 ppm	0.0002 ppm	0.0114 ppm	0.0282 ppm	-0.0012 ppm	0.0022 ppm
Concentration RSD	59.6 %	0.4 %	909.7 %	0.4 %	0.6 %	160.3 %	6.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0218 ppm	93.6866 %	101.5058 %	92.6478 %	92.4668 %	102.3349 %	94.5113 %
Concentration per Run	0.0218 ppm	93.4776 %	101.2611 %	92.8260 %	92.2759 %	103.0941 %	94.5792 %
Concentration per Run	0.0219 ppm	93.4883 %	101.5768 %	92.3893 %	92.4345 %	102.4219 %	94.4685 %
Concentration per Run	0.0215 ppm	94.0941 %	101.6794 %	92.7280 %	92.6898 %	101.4886 %	94.4862 %
Concentration RSD	0.9 %	0.4 %	0.2 %	0.2 %	0.2 %	0.8 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540838-02 WG2085572
Analysis started at: 7/1/2025 10:56:59 AM
Rack 1
Vial 35
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	1.2010 ppm	-0.0021 ppm	0.0745 ppm	0.0190 ppm	0.0001 ppm	3.4976 ppm
Concentration per Run	-0.0007 ppm	1.2038 ppm	-0.0006 ppm	0.0739 ppm	0.0191 ppm	0.0001 ppm	3.4893 ppm
Concentration per Run	-0.0004 ppm	1.1985 ppm	-0.0035 ppm	0.0741 ppm	0.0189 ppm	0.0000 ppm	3.5055 ppm
Concentration per Run	-0.0009 ppm	1.2008 ppm	-0.0023 ppm	0.0755 ppm	0.0190 ppm	0.0001 ppm	3.4980 ppm
Concentration RSD	33.5 %	0.2 %	68.7 %	1.2 %	0.6 %	25.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0003 ppm	0.0029 ppm	0.0044 ppm	2.2613 ppm	0.5676 ppm	0.0022 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0028 ppm	0.0050 ppm	2.2679 ppm	0.5878 ppm	0.0018 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0032 ppm	0.0042 ppm	2.2600 ppm	0.5588 ppm	0.0025 ppm
Concentration per Run	0.0001 ppm	0.0004 ppm	0.0026 ppm	0.0042 ppm	2.2558 ppm	0.5560 ppm	0.0024 ppm
Concentration RSD	25.9 %	48.4 %	9.6 %	10.4 %	0.3 %	3.1 %	18.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5022 ppm	0.0280 ppm	0.0003 ppm	161.3552 ppm	0.0015 ppm	0.0242 ppm	0.0004 ppm
Concentration per Run	0.5030 ppm	0.0279 ppm	-0.0002 ppm	162.0747 ppm	0.0017 ppm	0.0249 ppm	-0.0013 ppm
Concentration per Run	0.5019 ppm	0.0280 ppm	0.0002 ppm	161.3491 ppm	0.0013 ppm	0.0242 ppm	0.0019 ppm
Concentration per Run	0.5018 ppm	0.0282 ppm	0.0008 ppm	160.6417 ppm	0.0015 ppm	0.0235 ppm	0.0005 ppm
Concentration RSD	0.1 %	0.6 %	179.1 %	0.4 %	15.0 %	2.7 %	447.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0037 ppm	1.9926 ppm	0.0000 ppm	0.0150 ppm	0.0302 ppm	-0.0022 ppm	0.0022 ppm
Concentration per Run	0.0029 ppm	1.9908 ppm	0.0005 ppm	0.0151 ppm	0.0306 ppm	-0.0019 ppm	0.0021 ppm
Concentration per Run	0.0029 ppm	1.9927 ppm	-0.0005 ppm	0.0149 ppm	0.0301 ppm	-0.0024 ppm	0.0024 ppm
Concentration per Run	0.0053 ppm	1.9943 ppm	0.0002 ppm	0.0151 ppm	0.0299 ppm	-0.0022 ppm	0.0021 ppm
Concentration RSD	37.3 %	0.1 %	1,237.3 %	0.9 %	1.2 %	12.5 %	7.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0283 ppm	94.1460 %	101.3556 %	92.3275 %	93.2195 %	101.6352 %	94.4568 %
Concentration per Run	0.0281 ppm	94.2114 %	101.8655 %	92.0528 %	93.1011 %	102.0644 %	94.4366 %
Concentration per Run	0.0285 ppm	94.1898 %	101.4556 %	92.8304 %	93.5019 %	101.4525 %	95.0385 %
Concentration per Run	0.0285 ppm	94.0367 %	100.7456 %	92.0994 %	93.0555 %	101.3887 %	93.8953 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.5 %	0.3 %	0.4 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540838-03 WG2085572
Analysis started at: 7/1/2025 11:00:24 AM
Rack 1
Vial 36
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	-0.0007 ppm	-0.0008 ppm	0.0069 ppm	0.0080 ppm	0.0000 ppm	0.7681 ppm
Concentration per Run	-0.0005 ppm	-0.0026 ppm	-0.0023 ppm	0.0062 ppm	0.0080 ppm	0.0000 ppm	0.7745 ppm
Concentration per Run	-0.0008 ppm	-0.0001 ppm	-0.0004 ppm	0.0075 ppm	0.0080 ppm	0.0000 ppm	0.7686 ppm
Concentration per Run	-0.0008 ppm	0.0007 ppm	0.0002 ppm	0.0070 ppm	0.0081 ppm	0.0000 ppm	0.7611 ppm
Concentration RSD	20.8 %	265.9 %	152.1 %	9.6 %	0.8 %	432.7 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0011 ppm	0.0002 ppm	0.0008 ppm	0.0029 ppm	0.2458 ppm	0.0006 ppm
Concentration per Run	0.0000 ppm	0.0016 ppm	0.0005 ppm	0.0009 ppm	0.0034 ppm	0.2587 ppm	0.0005 ppm
Concentration per Run	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0007 ppm	0.0032 ppm	0.2399 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0013 ppm	0.0000 ppm	0.0009 ppm	0.0020 ppm	0.2387 ppm	0.0005 ppm
Concentration RSD	320.0 %	64.2 %	177.8 %	11.3 %	25.7 %	4.6 %	27.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1507 ppm	0.0321 ppm	-0.0003 ppm	146.3306 ppm	-0.0006 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run	0.1502 ppm	0.0325 ppm	0.0001 ppm	144.4014 ppm	-0.0005 ppm	-0.0013 ppm	0.0025 ppm
Concentration per Run	0.1523 ppm	0.0320 ppm	-0.0002 ppm	147.1046 ppm	-0.0008 ppm	-0.0003 ppm	0.0008 ppm
Concentration per Run	0.1495 ppm	0.0319 ppm	-0.0008 ppm	147.4858 ppm	-0.0006 ppm	0.0018 ppm	0.0026 ppm
Concentration RSD	1.0 %	0.9 %	167.8 %	1.1 %	23.1 %	3,128.6 %	49.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	0.1759 ppm	-0.0003 ppm	0.0036 ppm	-0.0002 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run	0.0039 ppm	0.1757 ppm	-0.0005 ppm	0.0035 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0046 ppm	0.1777 ppm	-0.0006 ppm	0.0036 ppm	-0.0003 ppm	-0.0012 ppm	-0.0001 ppm
Concentration per Run	0.0035 ppm	0.1743 ppm	0.0003 ppm	0.0036 ppm	-0.0004 ppm	-0.0019 ppm	-0.0002 ppm
Concentration RSD	14.1 %	1.0 %	197.0 %	1.2 %	159.9 %	74.7 %	71.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0106 ppm	94.6671 %	100.2328 %	92.7241 %	93.2628 %	100.2075 %	94.0319 %
Concentration per Run	0.0105 ppm	94.3796 %	99.9200 %	92.2396 %	93.7805 %	99.6216 %	93.4904 %
Concentration per Run	0.0105 ppm	95.0228 %	100.3161 %	93.4202 %	93.1314 %	100.3700 %	94.5134 %
Concentration per Run	0.0108 ppm	94.5989 %	100.4624 %	92.5124 %	92.8767 %	100.6309 %	94.0919 %
Concentration RSD	1.5 %	0.3 %	0.3 %	0.7 %	0.5 %	0.5 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 11:03:49 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5160 ppm	0.4763 ppm	0.4827 ppm	0.5159 ppm	0.4970 ppm	0.5095 ppm	0.4910 ppm
Concentration per Run	0.5140 ppm	0.4793 ppm	0.4825 ppm	0.5155 ppm	0.4969 ppm	0.5103 ppm	0.4893 ppm
Concentration per Run	0.5195 ppm	0.4743 ppm	0.4805 ppm	0.5199 ppm	0.4922 ppm	0.5091 ppm	0.4944 ppm
Concentration per Run	0.5146 ppm	0.4752 ppm	0.4850 ppm	0.5124 ppm	0.5019 ppm	0.5091 ppm	0.4893 ppm
Recovery Percentage	103.200 %	95.251 %	96.531 %	103.182 %	99.404 %	101.899 %	98.202 %
Concentration RSD	0.6 %	0.6 %	0.5 %	0.7 %	1.0 %	0.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5084 ppm	0.5153 ppm	0.5221 ppm	0.5191 ppm	0.5035 ppm	5.2619 ppm	0.5124 ppm
Concentration per Run	0.5100 ppm	0.5152 ppm	0.5191 ppm	0.5183 ppm	0.5051 ppm	5.3388 ppm	0.5181 ppm
Concentration per Run	0.5041 ppm	0.5160 ppm	0.5285 ppm	0.5201 ppm	0.5045 ppm	5.2245 ppm	0.5010 ppm
Concentration per Run	0.5110 ppm	0.5147 ppm	0.5187 ppm	0.5187 ppm	0.5008 ppm	5.2223 ppm	0.5180 ppm
Recovery Percentage	101.674 %	103.064 %	104.416 %	103.812 %	100.698 %	105.237 %	102.474 %
Concentration RSD	0.7 %	0.1 %	1.1 %	0.2 %	0.5 %	1.3 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5162 ppm	0.5004 ppm	0.4965 ppm	10.5165 ppm	0.5243 ppm	0.5007 ppm	0.5238 ppm
Concentration per Run	0.5108 ppm	0.4994 ppm	0.4961 ppm	10.6703 ppm	0.5235 ppm	0.5034 ppm	0.5251 ppm
Concentration per Run	0.5235 ppm	0.5028 ppm	0.4967 ppm	10.3727 ppm	0.5279 ppm	0.4986 ppm	0.5223 ppm
Concentration per Run	0.5144 ppm	0.4991 ppm	0.4966 ppm	10.5066 ppm	0.5213 ppm	0.5001 ppm	0.5239 ppm
Recovery Percentage	103.242 %	100.089 %	99.301 %	105.165 %	104.850 %	100.142 %	104.752 %
Concentration RSD	1.3 %	0.4 %	0.1 %	1.4 %	0.6 %	0.5 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4951 ppm	5.6395 ppm	0.5243 ppm	0.5020 ppm	0.5120 ppm	0.5008 ppm	0.5208 ppm
Concentration per Run	0.4929 ppm	5.6253 ppm	0.5207 ppm	0.5035 ppm	0.5078 ppm	0.4999 ppm	0.5199 ppm
Concentration per Run	0.4967 ppm	5.6637 ppm	0.5290 ppm	0.4985 ppm	0.5200 ppm	0.5003 ppm	0.5230 ppm
Concentration per Run	0.4956 ppm	5.6294 ppm	0.5231 ppm	0.5042 ppm	0.5082 ppm	0.5021 ppm	0.5195 ppm
Recovery Percentage	99.015 %	107.419 %	104.852 %	100.408 %	102.399 %	100.155 %	104.155 %
Concentration RSD	0.4 %	0.4 %	0.8 %	0.6 %	1.4 %	0.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5217 ppm	94.3693 %	102.7711 %	94.8909 %	93.7776 %	103.1605 %	95.3113 %
Concentration per Run	0.5221 ppm	94.1986 %	103.0754 %	94.4499 %	93.9463 %	104.0252 %	94.7042 %
Concentration per Run	0.5218 ppm	94.1858 %	102.0205 %	95.0720 %	94.2396 %	101.7681 %	95.5555 %
Concentration per Run	0.5213 ppm	94.7236 %	103.2175 %	95.1508 %	93.1470 %	103.6883 %	95.6741 %
Recovery Percentage	104.345 %						
Concentration RSD	0.1 %	0.3 %	0.6 %	0.4 %	0.6 %	1.2 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 11:07:13 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	-0.0052 ppm	-0.0011 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run	-0.0001 ppm	-0.0061 ppm	0.0006 ppm	0.0021 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run	-0.0011 ppm	-0.0067 ppm	-0.0033 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run	-0.0002 ppm	-0.0028 ppm	-0.0004 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Recovery Percentage	-9.105 %	-5.209 %	-21.049 %	5.497 %	0.636 %	1.275 %	1.647 %
Concentration RSD	126.0 %	39.7 %	189.2 %	21.8 %	121.0 %	29.3 %	56.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0004 ppm	0.0271 ppm	0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0245 ppm	-0.0001 ppm
Concentration per Run	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0012 ppm	0.0006 ppm	0.0252 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	-0.0004 ppm	0.0005 ppm	0.0009 ppm	0.0000 ppm	0.0316 ppm	0.0011 ppm
Recovery Percentage	2.796 %	-1.404 %	1.483 %	9.268 %	0.862 %	1.085 %	3.453 %
Concentration RSD	24.6 %	245.2 %	233.4 %	32.6 %	77.3 %	14.3 %	187.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0001 ppm	0.0039 ppm	0.0490 ppm	-0.0003 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0043 ppm	0.0520 ppm	-0.0001 ppm	0.0001 ppm	-0.0037 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0046 ppm	0.0489 ppm	-0.0002 ppm	0.0013 ppm	0.0019 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0029 ppm	0.0460 ppm	-0.0007 ppm	-0.0011 ppm	0.0016 ppm
Recovery Percentage	-1.247 %	0.614 %	7.877 %	2.448 %	-1.330 %	0.834 %	-0.154 %
Concentration RSD	89.8 %	170.4 %	22.8 %	6.1 %	85.7 %	1,396.1 %	4,141.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0069 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0062 ppm	0.0034 ppm	0.0004 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run	0.0071 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0003 ppm	-0.0006 ppm
Concentration per Run	0.0073 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.0001 ppm	-0.0001 ppm
Recovery Percentage	68.568 %	0.512 %	0.259 %	0.272 %	-6.072 %	-0.144 %	-3.504 %
Concentration RSD	8.3 %	30.2 %	176.0 %	60.3 %	55.1 %	689.3 %	67.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	93.0075 %	101.5212 %	94.6981 %	94.3754 %	102.0825 %	95.6032 %
Concentration per Run	0.0001 ppm	93.0660 %	101.4574 %	94.2957 %	93.9185 %	101.9692 %	95.1656 %
Concentration per Run	0.0002 ppm	93.1448 %	101.0625 %	94.0764 %	95.1562 %	101.5597 %	95.1562 %
Concentration per Run	0.0002 ppm	92.8116 %	102.0436 %	95.7224 %	94.0517 %	102.7187 %	96.4879 %
Recovery Percentage	3.566 %						
Concentration RSD	34.3 %	0.2 %	0.5 %	0.9 %	0.7 %	0.6 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085616-1 WG2085616
Analysis started at: 7/1/2025 11:46:39 AM
Rack 1
Vial 37
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	-0.0006 ppm	-0.0007 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0127 ppm
Concentration per Run	-0.0007 ppm	-0.0023 ppm	-0.0015 ppm	0.0024 ppm	0.0000 ppm	0.0000 ppm	0.0133 ppm
Concentration per Run	-0.0008 ppm	0.0012 ppm	-0.0011 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0123 ppm
Concentration per Run	-0.0006 ppm	-0.0006 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0124 ppm
Recovery Percentage	-14.302 %	-0.572 %	-14.672 %	1.857 %	0.223 %	0.133 %	12.682 %
Concentration RSD	17.2 %	312.1 %	137.6 %	302.9 %	154.7 %	215.6 %	4.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0108 ppm	0.0308 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0109 ppm	0.0339 ppm	0.0001 ppm
Concentration per Run	0.0002 ppm	-0.0004 ppm	0.0005 ppm	-0.0003 ppm	0.0109 ppm	0.0308 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0006 ppm	-0.0003 ppm	0.0106 ppm	0.0277 ppm	-0.0008 ppm
Recovery Percentage	1.342 %	-2.619 %	5.452 %	-1.780 %	21.643 %	1.232 %	-5.712 %
Concentration RSD	164.8 %	124.4 %	7.7 %	80.3 %	1.6 %	10.1 %	98.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0021 ppm	0.0002 ppm	0.0010 ppm	0.0400 ppm	-0.0008 ppm	-0.0008 ppm	-0.0011 ppm
Concentration per Run	0.0009 ppm	0.0003 ppm	0.0009 ppm	0.0402 ppm	-0.0007 ppm	-0.0010 ppm	-0.0009 ppm
Concentration per Run	0.0029 ppm	0.0001 ppm	0.0012 ppm	0.0392 ppm	-0.0006 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run	0.0026 ppm	0.0001 ppm	0.0010 ppm	0.0407 ppm	-0.0011 ppm	-0.0008 ppm	-0.0028 ppm
Recovery Percentage	2.090 %	1.886 %	2.052 %	2.001 %	-3.115 %	-8.391 %	-2.151 %
Concentration RSD	51.8 %	72.9 %	17.6 %	1.8 %	32.1 %	17.5 %	149.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	0.0212 ppm	0.0065 ppm	0.0000 ppm	0.0001 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0037 ppm	0.0151 ppm	0.0068 ppm	0.0000 ppm	-0.0002 ppm	-0.0018 ppm	-0.0001 ppm
Concentration per Run	0.0043 ppm	0.0309 ppm	0.0070 ppm	0.0000 ppm	0.0001 ppm	-0.0011 ppm	-0.0003 ppm
Concentration per Run	0.0038 ppm	0.0176 ppm	0.0056 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm	-0.0003 ppm
Recovery Percentage	39.469 %	4.239 %	12.909 %	0.054 %	0.769 %	-4.008 %	-2.374 %
Concentration RSD	8.7 %	40.1 %	11.8 %	662.2 %	389.5 %	143.5 %	42.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	102.0499 %	102.5882 %	99.3749 %	102.9797 %	103.3035 %	101.2592 %
Concentration per Run	0.0012 ppm	102.0822 %	101.8268 %	99.3115 %	103.2301 %	101.6115 %	101.2878 %
Concentration per Run	0.0011 ppm	102.1564 %	103.7868 %	99.9877 %	103.1575 %	104.5782 %	101.9234 %
Concentration per Run	0.0011 ppm	101.9112 %	102.1510 %	98.8255 %	102.5515 %	103.7208 %	100.5666 %
Recovery Percentage	22.530 %						
Concentration RSD	5.8 %	0.1 %	1.0 %	0.6 %	0.4 %	1.5 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085616-2D2 WG2085616
Analysis started at: 7/1/2025 11:50:16 AM
Rack 1
Vial 38
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.3251 ppm	17.9251 ppm	0.7900 ppm	0.7441 ppm	0.9664 ppm	0.6089 ppm	15.6822 ppm
Concentration per Run	0.3250 ppm	17.9140 ppm	0.7921 ppm	0.7427 ppm	0.9700 ppm	0.6102 ppm	15.6467 ppm
Concentration per Run	0.3256 ppm	18.0471 ppm	0.7937 ppm	0.7422 ppm	0.9725 ppm	0.6102 ppm	15.7593 ppm
Concentration per Run	0.3247 ppm	17.8143 ppm	0.7843 ppm	0.7475 ppm	0.9567 ppm	0.6061 ppm	15.6407 ppm
Concentration RSD	0.1 %	0.7 %	0.6 %	0.4 %	0.9 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4741 ppm	0.9668 ppm	0.6483 ppm	0.3766 ppm	20.7518 ppm	6.3284 ppm	0.3824 ppm
Concentration per Run	0.4756 ppm	0.9679 ppm	0.6476 ppm	0.3771 ppm	20.7920 ppm	6.3667 ppm	0.3853 ppm
Concentration per Run	0.4744 ppm	0.9661 ppm	0.6515 ppm	0.3759 ppm	20.8117 ppm	6.3740 ppm	0.3885 ppm
Concentration per Run	0.4722 ppm	0.9664 ppm	0.6457 ppm	0.3769 ppm	20.6518 ppm	6.2443 ppm	0.3734 ppm
Concentration RSD	0.4 %	0.1 %	0.5 %	0.2 %	0.4 %	1.2 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.6202 ppm	1.8699 ppm	0.5909 ppm	8.2397 ppm	0.6174 ppm	0.5821 ppm	0.4761 ppm
Concentration per Run	6.5732 ppm	1.8654 ppm	0.5901 ppm	8.2360 ppm	0.6188 ppm	0.5842 ppm	0.4773 ppm
Concentration per Run	6.6538 ppm	1.8815 ppm	0.5891 ppm	8.3178 ppm	0.6167 ppm	0.5833 ppm	0.4737 ppm
Concentration per Run	6.6335 ppm	1.8627 ppm	0.5935 ppm	8.1653 ppm	0.6167 ppm	0.5788 ppm	0.4774 ppm
Concentration RSD	0.6 %	0.5 %	0.4 %	0.9 %	0.2 %	0.5 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.3989 ppm	15.1052 [SIC 200]	0.3976 ppm	0.8192 ppm	1.4963 ppm	0.7892 ppm	0.6464 ppm
Concentration per Run	0.3962 ppm	15.1533 ppm	0.3975 ppm	0.8201 ppm	1.4922 ppm	0.7888 ppm	0.6448 ppm
Concentration per Run	0.4016 ppm	15.0508 ppm	0.3987 ppm	0.8227 ppm	1.5124 ppm	0.7916 ppm	0.6472 ppm
Concentration per Run	0.3989 ppm	15.1115 ppm	0.3967 ppm	0.8149 ppm	1.4841 ppm	0.7872 ppm	0.6471 ppm
Concentration RSD	0.7 %	0.3 %	0.3 %	0.5 %	1.0 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2223 ppm	95.6111 %	102.7480 %	93.0333 %	102.2053 %	111.6943 %	103.2558 %
Concentration per Run	1.2236 ppm	95.7343 %	103.5883 %	92.6403 %	103.0012 %	111.5914 %	102.8938 %
Concentration per Run	1.2195 ppm	95.0377 %	102.3643 %	92.8450 %	100.8314 %	111.1190 %	103.1951 %
Concentration per Run	1.2236 ppm	96.0615 %	102.2912 %	93.6145 %	102.7834 %	112.3724 %	103.6785 %
Concentration RSD	0.2 %	0.5 %	0.7 %	0.6 %	1.2 %	0.6 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085616-3D2 WG2085616
Analysis started at: 7/1/2025 11:53:38 AM
Rack 1
Vial 39
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.3509 ppm	18.9164 ppm	0.8422 ppm	0.7888 ppm	0.9173 ppm	0.6414 ppm	16.3826 ppm
Concentration per Run	0.3512 ppm	18.9835 ppm	0.8419 ppm	0.7814 ppm	0.9235 ppm	0.6465 ppm	16.4378 ppm
Concentration per Run	0.3507 ppm	18.9993 ppm	0.8446 ppm	0.7937 ppm	0.9140 ppm	0.6438 ppm	16.4156 ppm
Concentration per Run	0.3508 ppm	18.7665 ppm	0.8401 ppm	0.7912 ppm	0.9145 ppm	0.6338 ppm	16.2946 ppm
Concentration RSD	0.1 %	0.7 %	0.3 %	0.8 %	0.6 %	1.0 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4879 ppm	1.0403 ppm	0.6926 ppm	0.4035 ppm	22.2638 ppm	6.6580 ppm	0.4058 ppm
Concentration per Run	0.4935 ppm	1.0439 ppm	0.6903 ppm	0.4034 ppm	22.5112 ppm	6.7231 ppm	0.4036 ppm
Concentration per Run	0.4838 ppm	1.0395 ppm	0.6934 ppm	0.4042 ppm	22.2767 ppm	6.7006 ppm	0.4096 ppm
Concentration per Run	0.4864 ppm	1.0376 ppm	0.6941 ppm	0.4029 ppm	22.0034 ppm	6.5503 ppm	0.4041 ppm
Concentration RSD	1.0 %	0.3 %	0.3 %	0.2 %	1.1 %	1.4 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.0629 ppm	1.6543 ppm	0.6366 ppm	8.5839 ppm	0.6660 ppm	0.6205 ppm	0.4754 ppm
Concentration per Run	7.0945 ppm	1.6628 ppm	0.6386 ppm	8.5171 ppm	0.6640 ppm	0.6216 ppm	0.4779 ppm
Concentration per Run	7.0336 ppm	1.6602 ppm	0.6351 ppm	8.6539 ppm	0.6674 ppm	0.6234 ppm	0.4737 ppm
Concentration per Run	7.0606 ppm	1.6400 ppm	0.6361 ppm	8.5808 ppm	0.6665 ppm	0.6166 ppm	0.4747 ppm
Concentration RSD	0.4 %	0.8 %	0.3 %	0.8 %	0.3 %	0.6 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4321 ppm	13.9258 [SIC 200]	0.4356 ppm	0.8619 ppm	1.5293 ppm	0.8056 ppm	0.6873 ppm
Concentration per Run	0.4299 ppm	14.2412 ppm	0.4330 ppm	0.8684 ppm	1.5340 ppm	0.8049 ppm	0.6867 ppm
Concentration per Run	0.4328 ppm	13.5074 ppm	0.4385 ppm	0.8623 ppm	1.5239 ppm	0.8061 ppm	0.6880 ppm
Concentration per Run	0.4336 ppm	14.0288 ppm	0.4354 ppm	0.8548 ppm	1.5301 ppm	0.8057 ppm	0.6873 ppm
Concentration RSD	0.4 %	2.7 %	0.6 %	0.8 %	0.3 %	0.1 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3167 ppm	95.8008 %	103.3997 %	92.8841 %	103.6335 %	112.7998 %	103.5673 %
Concentration per Run	1.3205 ppm	95.5534 %	103.1937 %	92.8362 %	103.1322 %	113.4461 %	103.6790 %
Concentration per Run	1.3209 ppm	95.8191 %	103.4540 %	92.6667 %	103.8848 %	113.3553 %	103.6296 %
Concentration per Run	1.3087 ppm	96.0300 %	103.5514 %	93.1493 %	103.8835 %	111.5979 %	103.3931 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.3 %	0.4 %	0.9 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-01D2 WG2085616
Analysis started at: 7/1/2025 11:57:02 AM
Rack 1
Vial 40
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	45.7048 ppm	0.0104 ppm	0.0105 ppm	0.1582 ppm	0.0020 ppm	4.5038 ppm
Concentration per Run	-0.0001 ppm	45.3427 ppm	0.0091 ppm	0.0112 ppm	0.1604 ppm	0.0018 ppm	4.5872 ppm
Concentration per Run	0.0002 ppm	45.8469 ppm	0.0107 ppm	0.0105 ppm	0.1580 ppm	0.0020 ppm	4.4224 ppm
Concentration per Run	0.0004 ppm	45.9248 ppm	0.0114 ppm	0.0097 ppm	0.1562 ppm	0.0020 ppm	4.5017 ppm
Concentration RSD	146.8 %	0.7 %	11.3 %	7.2 %	1.3 %	5.7 %	1.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0295 ppm	0.0629 ppm	0.0664 ppm	62.8737 ppm	6.6075 ppm	0.0576 ppm
Concentration per Run	-0.0003 ppm	0.0299 ppm	0.0629 ppm	0.0656 ppm	61.9239 ppm	6.5891 ppm	0.0594 ppm
Concentration per Run	-0.0003 ppm	0.0299 ppm	0.0626 ppm	0.0665 ppm	63.1715 ppm	6.6739 ppm	0.0576 ppm
Concentration per Run	-0.0002 ppm	0.0288 ppm	0.0632 ppm	0.0670 ppm	63.5259 ppm	6.5595 ppm	0.0558 ppm
Concentration RSD	20.4 %	2.1 %	0.5 %	1.0 %	1.3 %	0.9 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.6300 ppm	0.9122 ppm	0.0075 ppm	1.6514 ppm	0.0774 ppm	0.0273 ppm	0.0072 ppm
Concentration per Run	14.7182 ppm	0.9142 ppm	0.0077 ppm	1.6146 ppm	0.0779 ppm	0.0268 ppm	0.0063 ppm
Concentration per Run	14.4328 ppm	0.9066 ppm	0.0075 ppm	1.6876 ppm	0.0771 ppm	0.0270 ppm	0.0086 ppm
Concentration per Run	14.7390 ppm	0.9158 ppm	0.0073 ppm	1.6520 ppm	0.0770 ppm	0.0282 ppm	0.0066 ppm
Concentration RSD	1.2 %	0.5 %	2.1 %	2.2 %	0.6 %	2.8 %	16.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0086 ppm	10.1136 [SIC 200]	0.0041 ppm	0.1155 ppm	2.6630 ppm	0.0022 ppm	0.0999 ppm
Concentration per Run	0.0060 ppm	10.2614 ppm	0.0047 ppm	0.1152 ppm	2.7013 ppm	0.0010 ppm	0.1000 ppm
Concentration per Run	0.0116 ppm	9.9849 ppm	0.0040 ppm	0.1161 ppm	2.6188 ppm	0.0028 ppm	0.0992 ppm
Concentration per Run	0.0082 ppm	10.0946 ppm	0.0038 ppm	0.1152 ppm	2.6689 ppm	0.0027 ppm	0.1003 ppm
Concentration RSD	33.0 %	1.4 %	11.9 %	0.4 %	1.6 %	46.0 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1205 ppm	97.0556 %	104.9723 %	93.3342 %	109.2022 %	126.7504 %	110.0866 %
Concentration per Run	0.1209 ppm	96.9267 %	106.1663 %	93.7016 %	109.1104 %	121.1649 %	110.5158 %
Concentration per Run	0.1191 ppm	97.8060 %	104.9131 %	93.1272 %	109.0251 %	130.0138 %	109.0450 %
Concentration per Run	0.1214 ppm	96.4342 %	103.8374 %	93.1737 %	109.4709 %	129.0726 %	110.6990 %
Concentration RSD	1.0 %	0.7 %	1.1 %	0.3 %	0.2 %	3.8 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-02D2 WG2085616
Analysis started at: 7/1/2025 12:00:25 PM
Rack 1
Vial 41
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	44.3259 ppm	0.0099 ppm	0.0131 ppm	0.1254 ppm	0.0018 ppm	4.3499 ppm
Concentration per Run	-0.0001 ppm	44.9531 ppm	0.0105 ppm	0.0136 ppm	0.1245 ppm	0.0020 ppm	4.2732 ppm
Concentration per Run	-0.0006 ppm	43.9411 ppm	0.0100 ppm	0.0129 ppm	0.1261 ppm	0.0016 ppm	4.3584 ppm
Concentration per Run	-0.0003 ppm	44.0834 ppm	0.0091 ppm	0.0129 ppm	0.1256 ppm	0.0017 ppm	4.4180 ppm
Concentration RSD	84.0 %	1.2 %	7.2 %	3.2 %	0.6 %	10.3 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0290 ppm	0.1382 ppm	0.0726 ppm	63.1561 ppm	6.5873 ppm	0.0547 ppm
Concentration per Run	-0.0003 ppm	0.0296 ppm	0.1374 ppm	0.0728 ppm	64.1945 ppm	6.6032 ppm	0.0545 ppm
Concentration per Run	-0.0004 ppm	0.0291 ppm	0.1388 ppm	0.0724 ppm	62.2664 ppm	6.6157 ppm	0.0561 ppm
Concentration per Run	-0.0002 ppm	0.0285 ppm	0.1383 ppm	0.0724 ppm	63.0074 ppm	6.5432 ppm	0.0536 ppm
Concentration RSD	33.6 %	1.9 %	0.5 %	0.3 %	1.5 %	0.6 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.5863 ppm	0.7120 ppm	0.0264 ppm	2.4646 ppm	0.0840 ppm	0.0307 ppm	0.0014 ppm
Concentration per Run	14.5108 ppm	0.7112 ppm	0.0262 ppm	2.5419 ppm	0.0845 ppm	0.0309 ppm	0.0004 ppm
Concentration per Run	14.6779 ppm	0.7087 ppm	0.0267 ppm	2.4460 ppm	0.0838 ppm	0.0294 ppm	0.0005 ppm
Concentration per Run	14.5702 ppm	0.7161 ppm	0.0263 ppm	2.4060 ppm	0.0837 ppm	0.0318 ppm	0.0033 ppm
Concentration RSD	0.6 %	0.5 %	1.0 %	2.8 %	0.5 %	3.9 %	118.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	20.1765 [SIC 200]	0.0044 ppm	0.0351 ppm	2.4279 ppm	0.0015 ppm	0.0981 ppm
Concentration per Run	0.0066 ppm	20.2676 ppm	0.0042 ppm	0.0354 ppm	2.4585 ppm	0.0020 ppm	0.0983 ppm
Concentration per Run	0.0023 ppm	20.7308 ppm	0.0050 ppm	0.0348 ppm	2.3954 ppm	0.0006 ppm	0.0984 ppm
Concentration per Run	0.0067 ppm	19.5311 ppm	0.0039 ppm	0.0349 ppm	2.4297 ppm	0.0020 ppm	0.0977 ppm
Concentration RSD	48.0 %	3.0 %	12.3 %	0.8 %	1.3 %	54.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1264 ppm	95.7095 %	104.3342 %	92.9811 %	105.3400 %	120.5458 %	107.5752 %
Concentration per Run	0.1272 ppm	95.4744 %	102.9517 %	93.4099 %	104.8380 %	127.1926 %	107.7273 %
Concentration per Run	0.1264 ppm	95.4217 %	105.6518 %	92.5386 %	105.7907 %	117.5537 %	107.7586 %
Concentration per Run	0.1254 ppm	96.2324 %	104.3989 %	92.9947 %	105.3914 %	116.8911 %	107.2397 %
Concentration RSD	0.7 %	0.5 %	1.3 %	0.5 %	0.5 %	4.8 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-03D2 WG2085616
Analysis started at: 7/1/2025 12:03:48 PM
Rack 1
Vial 42
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	30.4151 ppm	0.0050 ppm	0.0090 ppm	0.0946 ppm	0.0012 ppm	5.0176 ppm
Concentration per Run	-0.0002 ppm	30.3531 ppm	0.0054 ppm	0.0093 ppm	0.0955 ppm	0.0011 ppm	5.0743 ppm
Concentration per Run	-0.0003 ppm	30.2070 ppm	0.0050 ppm	0.0087 ppm	0.0954 ppm	0.0012 ppm	5.0406 ppm
Concentration per Run	0.0003 ppm	30.6853 ppm	0.0046 ppm	0.0091 ppm	0.0930 ppm	0.0013 ppm	4.9379 ppm
Concentration RSD	329.7 %	0.8 %	7.9 %	3.7 %	1.5 %	8.2 %	1.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0309 ppm	0.0463 ppm	0.0644 ppm	48.3785 ppm	4.9168 ppm	0.0468 ppm
Concentration per Run	-0.0002 ppm	0.0306 ppm	0.0473 ppm	0.0648 ppm	48.2188 ppm	4.9089 ppm	0.0472 ppm
Concentration per Run	-0.0002 ppm	0.0308 ppm	0.0457 ppm	0.0641 ppm	47.7343 ppm	4.9016 ppm	0.0480 ppm
Concentration per Run	-0.0001 ppm	0.0313 ppm	0.0458 ppm	0.0642 ppm	49.1824 ppm	4.9398 ppm	0.0451 ppm
Concentration RSD	24.7 %	1.2 %	2.0 %	0.6 %	1.5 %	0.4 %	3.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.0221 ppm	1.1153 ppm	0.0038 ppm	1.4646 ppm	0.0637 ppm	0.0191 ppm	0.0034 ppm
Concentration per Run	12.3154 ppm	1.1185 ppm	0.0036 ppm	1.4439 ppm	0.0639 ppm	0.0185 ppm	0.0047 ppm
Concentration per Run	12.1066 ppm	1.1100 ppm	0.0039 ppm	1.4427 ppm	0.0635 ppm	0.0187 ppm	0.0036 ppm
Concentration per Run	11.6441 ppm	1.1174 ppm	0.0039 ppm	1.5072 ppm	0.0639 ppm	0.0200 ppm	0.0020 ppm
Concentration RSD	2.9 %	0.4 %	4.9 %	2.5 %	0.4 %	4.3 %	38.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	5.2615 ppm	0.0027 ppm	0.0227 ppm	1.8833 ppm	0.0013 ppm	0.0848 ppm
Concentration per Run	0.0046 ppm	5.3569 ppm	0.0030 ppm	0.0226 ppm	1.9485 ppm	0.0015 ppm	0.0857 ppm
Concentration per Run	0.0040 ppm	5.2472 ppm	0.0026 ppm	0.0225 ppm	1.8934 ppm	0.0012 ppm	0.0849 ppm
Concentration per Run	0.0013 ppm	5.1805 ppm	0.0026 ppm	0.0228 ppm	1.8081 ppm	0.0014 ppm	0.0839 ppm
Concentration RSD	53.0 %	1.7 %	8.4 %	0.6 %	3.8 %	13.4 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1055 ppm	95.7572 %	104.1083 %	93.4807 %	103.7020 %	117.6499 %	104.5681 %
Concentration per Run	0.1056 ppm	95.6052 %	105.1317 %	94.1117 %	104.7909 %	114.8436 %	104.8934 %
Concentration per Run	0.1050 ppm	95.2049 %	104.8803 %	93.4679 %	102.6871 %	114.0124 %	104.5829 %
Concentration per Run	0.1058 ppm	96.4614 %	102.3130 %	92.8625 %	103.6278 %	124.0938 %	104.2281 %
Concentration RSD	0.4 %	0.7 %	1.5 %	0.7 %	1.0 %	4.8 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-04D2 WG2085616
Analysis started at: 7/1/2025 12:07:12 PM
Rack 1
Vial 43
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0024 ppm	116.8339 ppm	0.0179 ppm	0.2038 ppm	0.1956 ppm	0.0020 ppm	111.4036 ppm
Concentration per Run	0.0037 ppm	117.1246 ppm	0.0178 ppm	0.2000 ppm	0.1962 ppm	0.0020 ppm	111.8561 ppm
Concentration per Run	0.0018 ppm	116.0955 ppm	0.0157 ppm	0.2039 ppm	0.1984 ppm	0.0019 ppm	112.3514 ppm
Concentration per Run	0.0019 ppm	117.2818 ppm	0.0202 ppm	0.2075 ppm	0.1921 ppm	0.0022 ppm	110.0031 ppm
Concentration RSD	43.6 %	0.6 %	12.7 %	1.8 %	1.6 %	7.2 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0021 ppm	0.1223 ppm	1.4409 ppm	0.1541 ppm	262.9384 ppm	5.5417 ppm	0.1989 ppm
Concentration per Run	-0.0018 ppm	0.1233 ppm	1.4039 ppm	0.1560 ppm	264.9404 ppm	5.5809 ppm	0.2015 ppm
Concentration per Run	-0.0023 ppm	0.1215 ppm	1.4615 ppm	0.1535 ppm	258.5796 ppm	5.5321 ppm	0.2041 ppm
Concentration per Run	-0.0021 ppm	0.1221 ppm	1.4573 ppm	0.1529 ppm	265.2953 ppm	5.5121 ppm	0.1911 ppm
Concentration RSD	13.2 %	0.8 %	2.2 %	1.1 %	1.4 %	0.6 %	3.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	95.1152 ppm	2.9475 ppm	0.0243 ppm	10.1240 ppm	0.8337 ppm	0.6751 ppm	0.0046 ppm
Concentration per Run	92.8293 ppm	2.9625 ppm	0.0248 ppm	10.1192 ppm	0.8226 ppm	0.6669 ppm	0.0067 ppm
Concentration per Run	96.2045 ppm	2.9188 ppm	0.0236 ppm	9.9300 ppm	0.8385 ppm	0.6788 ppm	0.0045 ppm
Concentration per Run	96.3120 ppm	2.9610 ppm	0.0245 ppm	10.3229 ppm	0.8400 ppm	0.6796 ppm	0.0027 ppm
Concentration RSD	2.1 %	0.8 %	2.6 %	1.9 %	1.2 %	1.1 %	42.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	10.0109 [SIC 200]	0.0084 ppm	0.1802 ppm	3.0593 ppm	0.0032 ppm	0.3848 ppm
Concentration per Run	0.0051 ppm	10.0351 ppm	0.0094 ppm	0.1807 ppm	2.9964 ppm	0.0024 ppm	0.3818 ppm
Concentration per Run	0.0019 ppm	10.1881 ppm	0.0074 ppm	0.1802 ppm	3.1238 ppm	0.0041 ppm	0.3867 ppm
Concentration per Run	0.0051 ppm	9.8096 ppm	0.0084 ppm	0.1798 ppm	3.0575 ppm	0.0031 ppm	0.3859 ppm
Concentration RSD	46.6 %	1.9 %	12.5 %	0.3 %	2.1 %	27.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3236 ppm	93.3159 %	102.1041 %	84.9943 %	107.5039 %	127.6412 %	108.1337 %
Concentration per Run	0.3237 ppm	93.9491 %	102.0656 %	84.4517 %	106.9145 %	128.2324 %	107.2907 %
Concentration per Run	0.3222 ppm	93.6123 %	103.8623 %	84.8040 %	108.9115 %	122.9854 %	108.0348 %
Concentration per Run	0.3249 ppm	92.3865 %	100.3843 %	85.7271 %	106.6857 %	131.7058 %	109.0755 %
Concentration RSD	0.4 %	0.9 %	1.7 %	0.8 %	1.1 %	3.4 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-05D2 WG2085616
Analysis started at: 7/1/2025 12:10:36 PM
Rack 1
Vial 44
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	33.3688 ppm	0.0044 ppm	0.0124 ppm	0.0627 ppm	0.0012 ppm	2.0352 ppm
Concentration per Run	-0.0004 ppm	33.6015 ppm	0.0042 ppm	0.0140 ppm	0.0620 ppm	0.0014 ppm	1.9919 ppm
Concentration per Run	-0.0003 ppm	33.2776 ppm	0.0043 ppm	0.0122 ppm	0.0628 ppm	0.0012 ppm	2.0725 ppm
Concentration per Run	0.0001 ppm	33.2272 ppm	0.0047 ppm	0.0108 ppm	0.0632 ppm	0.0012 ppm	2.0412 ppm
Concentration RSD	148.6 %	0.6 %	6.1 %	13.0 %	1.0 %	9.7 %	2.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0174 ppm	0.0483 ppm	0.0448 ppm	47.4564 ppm	3.2640 ppm	0.0317 ppm
Concentration per Run	-0.0001 ppm	0.0173 ppm	0.0483 ppm	0.0454 ppm	48.3539 ppm	3.2859 ppm	0.0317 ppm
Concentration per Run	-0.0004 ppm	0.0177 ppm	0.0482 ppm	0.0443 ppm	47.1989 ppm	3.2452 ppm	0.0312 ppm
Concentration per Run	-0.0002 ppm	0.0173 ppm	0.0485 ppm	0.0446 ppm	46.8165 ppm	3.2610 ppm	0.0323 ppm
Concentration RSD	58.1 %	1.3 %	0.3 %	1.3 %	1.7 %	0.6 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	8.9123 ppm	0.3273 ppm	0.0027 ppm	1.1485 ppm	0.0429 ppm	0.0175 ppm	0.0017 ppm
Concentration per Run	8.8211 ppm	0.3271 ppm	0.0029 ppm	1.1778 ppm	0.0435 ppm	0.0175 ppm	0.0012 ppm
Concentration per Run	8.8896 ppm	0.3292 ppm	0.0022 ppm	1.1209 ppm	0.0424 ppm	0.0171 ppm	0.0037 ppm
Concentration per Run	9.0262 ppm	0.3257 ppm	0.0030 ppm	1.1469 ppm	0.0429 ppm	0.0178 ppm	0.0001 ppm
Concentration RSD	1.2 %	0.5 %	15.8 %	2.5 %	1.3 %	2.0 %	110.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0025 ppm	6.6127 ppm	0.0041 ppm	0.0154 ppm	1.9340 ppm	0.0008 ppm	0.0771 ppm
Concentration per Run	-0.0004 ppm	6.7843 ppm	0.0042 ppm	0.0156 ppm	1.9099 ppm	0.0005 ppm	0.0778 ppm
Concentration per Run	0.0022 ppm	6.6330 ppm	0.0047 ppm	0.0154 ppm	1.9187 ppm	0.0014 ppm	0.0766 ppm
Concentration per Run	0.0055 ppm	6.4208 ppm	0.0033 ppm	0.0154 ppm	1.9735 ppm	0.0006 ppm	0.0769 ppm
Concentration RSD	120.5 %	2.8 %	17.4 %	0.8 %	1.8 %	64.1 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0778 ppm	96.9743 %	104.5476 %	93.3467 %	102.1311 %	114.8038 %	102.5981 %
Concentration per Run	0.0780 ppm	97.0971 %	103.6297 %	93.0859 %	102.0165 %	121.8559 %	102.6038 %
Concentration per Run	0.0783 ppm	96.5267 %	104.4403 %	93.4784 %	101.5175 %	110.3253 %	102.2912 %
Concentration per Run	0.0770 ppm	97.2991 %	105.5729 %	93.4756 %	102.8594 %	112.2301 %	102.8992 %
Concentration RSD	0.9 %	0.4 %	0.9 %	0.2 %	0.7 %	5.4 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-06D2 WG2085616
Analysis started at: 7/1/2025 12:14:01 PM
Rack 1
Vial 45
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	37.2598 ppm	0.0042 ppm	0.0775 ppm	0.1157 ppm	0.0011 ppm	13.5748 ppm
Concentration per Run	0.0000 ppm	37.0586 ppm	0.0050 ppm	0.0783 ppm	0.1153 ppm	0.0011 ppm	13.5412 ppm
Concentration per Run	-0.0005 ppm	37.3972 ppm	0.0039 ppm	0.0772 ppm	0.1168 ppm	0.0011 ppm	13.5736 ppm
Concentration per Run	0.0000 ppm	37.3236 ppm	0.0035 ppm	0.0771 ppm	0.1150 ppm	0.0011 ppm	13.6096 ppm
Concentration RSD	197.8 %	0.5 %	18.9 %	0.9 %	0.8 %	1.6 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0335 ppm	0.0912 ppm	0.0871 ppm	63.4267 ppm	5.7209 ppm	0.0558 ppm
Concentration per Run	-0.0006 ppm	0.0337 ppm	0.0908 ppm	0.0871 ppm	63.1248 ppm	5.6463 ppm	0.0552 ppm
Concentration per Run	-0.0003 ppm	0.0335 ppm	0.0913 ppm	0.0869 ppm	63.5900 ppm	5.8005 ppm	0.0562 ppm
Concentration per Run	-0.0003 ppm	0.0333 ppm	0.0915 ppm	0.0875 ppm	63.5654 ppm	5.7160 ppm	0.0560 ppm
Concentration RSD	38.6 %	0.5 %	0.4 %	0.3 %	0.4 %	1.3 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	16.3804 ppm	0.7076 ppm	0.0135 ppm	2.4202 ppm	0.0653 ppm	0.0215 ppm	0.0003 ppm
Concentration per Run	16.4854 ppm	0.7062 ppm	0.0133 ppm	2.3968 ppm	0.0651 ppm	0.0217 ppm	0.0007 ppm
Concentration per Run	16.4479 ppm	0.7086 ppm	0.0131 ppm	2.4587 ppm	0.0658 ppm	0.0206 ppm	0.0020 ppm
Concentration per Run	16.2079 ppm	0.7080 ppm	0.0143 ppm	2.4052 ppm	0.0650 ppm	0.0223 ppm	-0.0017 ppm
Concentration RSD	0.9 %	0.2 %	4.7 %	1.4 %	0.6 %	3.9 %	529.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	12.7008 [SIC 200]	0.0042 ppm	0.0453 ppm	2.3871 ppm	0.0022 ppm	0.1207 ppm
Concentration per Run	0.0001 ppm	12.7664 ppm	0.0035 ppm	0.0452 ppm	2.3800 ppm	0.0027 ppm	0.1212 ppm
Concentration per Run	0.0071 ppm	12.8072 ppm	0.0046 ppm	0.0456 ppm	2.3893 ppm	0.0009 ppm	0.1207 ppm
Concentration per Run	0.0018 ppm	12.5287 ppm	0.0045 ppm	0.0450 ppm	2.3920 ppm	0.0030 ppm	0.1202 ppm
Concentration RSD	121.2 %	1.2 %	14.2 %	0.6 %	0.3 %	51.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1193 ppm	95.9693 %	104.2806 %	92.0608 %	105.1412 %	116.0991 %	106.2735 %
Concentration per Run	0.1190 ppm	96.1107 %	104.9334 %	91.5584 %	106.1277 %	117.6174 %	105.5935 %
Concentration per Run	0.1192 ppm	95.8330 %	104.1883 %	92.3037 %	104.2873 %	115.3521 %	106.5969 %
Concentration per Run	0.1199 ppm	95.9641 %	103.7199 %	92.3203 %	105.0086 %	115.3277 %	106.6301 %
Concentration RSD	0.4 %	0.1 %	0.6 %	0.5 %	0.9 %	1.1 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539091-02 WG2085572
Analysis started at: 7/1/2025 12:17:26 PM
Rack 1
Vial 22
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	0.0184 ppm	-0.0007 ppm	0.0132 ppm	0.0570 ppm	0.0001 ppm	16.6732 ppm
Concentration per Run	-0.0007 ppm	0.0138 ppm	0.0015 ppm	0.0137 ppm	0.0571 ppm	0.0001 ppm	16.7556 ppm
Concentration per Run	-0.0011 ppm	0.0209 ppm	-0.0021 ppm	0.0127 ppm	0.0569 ppm	0.0001 ppm	16.6303 ppm
Concentration per Run	-0.0011 ppm	0.0204 ppm	-0.0016 ppm	0.0133 ppm	0.0571 ppm	0.0001 ppm	16.6337 ppm
Concentration RSD	22.7 %	21.4 %	266.3 %	3.9 %	0.2 %	28.0 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0029 ppm	0.0136 ppm	0.0049 ppm	4.6860 ppm	1.0435 ppm	0.0007 ppm
Concentration per Run	0.0000 ppm	0.0030 ppm	0.0140 ppm	0.0053 ppm	4.7150 ppm	1.0454 ppm	0.0008 ppm
Concentration per Run	0.0000 ppm	0.0028 ppm	0.0135 ppm	0.0043 ppm	4.6619 ppm	1.0435 ppm	0.0006 ppm
Concentration per Run	0.0001 ppm	0.0028 ppm	0.0134 ppm	0.0052 ppm	4.6811 ppm	1.0416 ppm	0.0008 ppm
Concentration RSD	280.9 %	4.4 %	2.3 %	10.8 %	0.6 %	0.2 %	16.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6238 ppm	0.4685 ppm	0.0027 ppm	144.1248 ppm	0.0101 ppm	0.0007 ppm	0.0015 ppm
Concentration per Run	0.6184 ppm	0.4686 ppm	0.0024 ppm	142.2890 ppm	0.0099 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run	0.6288 ppm	0.4675 ppm	0.0027 ppm	145.5689 ppm	0.0105 ppm	0.0014 ppm	0.0020 ppm
Concentration per Run	0.6241 ppm	0.4695 ppm	0.0030 ppm	144.5166 ppm	0.0098 ppm	0.0014 ppm	0.0023 ppm
Concentration RSD	0.8 %	0.2 %	10.1 %	1.2 %	3.9 %	183.1 %	75.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	0.2279 ppm	0.0007 ppm	0.0399 ppm	0.0007 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0056 ppm	0.2255 ppm	0.0002 ppm	0.0400 ppm	0.0011 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run	0.0054 ppm	0.2315 ppm	0.0003 ppm	0.0397 ppm	0.0005 ppm	-0.0020 ppm	-0.0001 ppm
Concentration per Run	0.0055 ppm	0.2267 ppm	0.0016 ppm	0.0399 ppm	0.0006 ppm	-0.0009 ppm	-0.0003 ppm
Concentration RSD	2.3 %	1.4 %	108.7 %	0.4 %	45.7 %	157.0 %	31.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0291 ppm	93.4570 %	100.4736 %	91.2563 %	93.6742 %	102.2283 %	94.1473 %
Concentration per Run	0.0290 ppm	94.1190 %	100.5280 %	90.9646 %	94.4192 %	100.9359 %	93.9685 %
Concentration per Run	0.0291 ppm	93.1250 %	100.5263 %	91.1163 %	93.1312 %	103.4341 %	94.2314 %
Concentration per Run	0.0291 ppm	93.1270 %	100.3666 %	91.6880 %	93.4722 %	102.3149 %	94.2419 %
Concentration RSD	0.1 %	0.6 %	0.1 %	0.4 %	0.7 %	1.2 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 12:20:52 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5129 ppm	0.4775 ppm	0.4816 ppm	0.5095 ppm	0.4995 ppm	0.5092 ppm	0.4891 ppm
Concentration per Run	0.5141 ppm	0.4790 ppm	0.4849 ppm	0.5116 ppm	0.4974 ppm	0.5100 ppm	0.4843 ppm
Concentration per Run	0.5128 ppm	0.4749 ppm	0.4828 ppm	0.5096 ppm	0.4999 ppm	0.5090 ppm	0.4880 ppm
Concentration per Run	0.5119 ppm	0.4785 ppm	0.4772 ppm	0.5072 ppm	0.5011 ppm	0.5087 ppm	0.4949 ppm
Recovery Percentage	102.583 %	95.492 %	96.323 %	101.892 %	99.895 %	101.844 %	97.813 %
Concentration RSD	0.2 %	0.5 %	0.8 %	0.4 %	0.4 %	0.1 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.5001 ppm	0.5135 ppm	0.5180 ppm	0.5161 ppm	0.5120 ppm	5.2925 ppm	0.5063 ppm
Concentration per Run	0.5018 ppm	0.5149 ppm	0.5203 ppm	0.5184 ppm	0.5143 ppm	5.3638 ppm	0.5075 ppm
Concentration per Run	0.4979 ppm	0.5127 ppm	0.5170 ppm	0.5158 ppm	0.5094 ppm	5.2463 ppm	0.5034 ppm
Concentration per Run	0.5007 ppm	0.5128 ppm	0.5168 ppm	0.5140 ppm	0.5124 ppm	5.2675 ppm	0.5079 ppm
Recovery Percentage	100.027 %	102.694 %	103.604 %	103.210 %	102.409 %	105.851 %	101.255 %
Concentration RSD	0.4 %	0.2 %	0.4 %	0.4 %	0.5 %	1.2 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5132 ppm	0.4979 ppm	0.4937 ppm	10.6231 ppm	0.5198 ppm	0.4974 ppm	0.5092 ppm
Concentration per Run	0.5147 ppm	0.4973 ppm	0.4922 ppm	10.6847 ppm	0.5190 ppm	0.4999 ppm	0.5112 ppm
Concentration per Run	0.5105 ppm	0.4967 ppm	0.4915 ppm	10.6106 ppm	0.5210 ppm	0.4955 ppm	0.5127 ppm
Concentration per Run	0.5145 ppm	0.4998 ppm	0.4973 ppm	10.5739 ppm	0.5192 ppm	0.4966 ppm	0.5038 ppm
Recovery Percentage	102.640 %	99.586 %	98.732 %	106.231 %	103.952 %	99.471 %	101.850 %
Concentration RSD	0.5 %	0.3 %	0.6 %	0.5 %	0.2 %	0.5 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4961 ppm	5.5952 ppm	0.5205 ppm	0.5025 ppm	0.5102 ppm	0.4977 ppm	0.5156 ppm
Concentration per Run	0.4960 ppm	5.5849 ppm	0.5189 ppm	0.5031 ppm	0.5120 ppm	0.4978 ppm	0.5168 ppm
Concentration per Run	0.4956 ppm	5.6045 ppm	0.5242 ppm	0.5013 ppm	0.5101 ppm	0.4995 ppm	0.5153 ppm
Concentration per Run	0.4965 ppm	5.5963 ppm	0.5184 ppm	0.5030 ppm	0.5084 ppm	0.4957 ppm	0.5146 ppm
Recovery Percentage	99.212 %	106.576 %	104.100 %	100.495 %	102.038 %	99.531 %	103.112 %
Concentration RSD	0.1 %	0.2 %	0.6 %	0.2 %	0.4 %	0.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5169 ppm	94.8749 %	102.6978 %	95.0989 %	94.4168 %	103.5911 %	95.6337 %
Concentration per Run	0.5172 ppm	94.5018 %	103.2973 %	94.7033 %	93.1492 %	104.0681 %	95.5250 %
Concentration per Run	0.5174 ppm	95.2800 %	102.6430 %	94.4184 %	95.3729 %	104.3971 %	94.9456 %
Concentration per Run	0.5160 ppm	94.8430 %	102.1531 %	96.1750 %	94.7282 %	102.3082 %	96.4305 %
Recovery Percentage	103.376 %						
Concentration RSD	0.1 %	0.4 %	0.6 %	1.0 %	1.2 %	1.1 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 12:24:17 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	-0.0062 ppm	-0.0003 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0033 ppm
Concentration per Run	-0.0010 ppm	-0.0102 ppm	0.0005 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run	-0.0010 ppm	-0.0028 ppm	-0.0002 ppm	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0037 ppm
Concentration per Run	-0.0009 ppm	-0.0055 ppm	-0.0011 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0038 ppm
Recovery Percentage	-19.607 %	-6.166 %	-5.616 %	4.220 %	0.737 %	1.553 %	3.316 %
Concentration RSD	7.8 %	61.4 %	273.0 %	17.0 %	34.1 %	2.0 %	20.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0010 ppm	0.0036 ppm	0.0112 ppm	-0.0009 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	0.0010 ppm	0.0032 ppm	0.0176 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0009 ppm	0.0039 ppm	0.0132 ppm	-0.0011 ppm
Concentration per Run	0.0002 ppm	-0.0004 ppm	0.0002 ppm	0.0011 ppm	0.0036 ppm	0.0026 ppm	-0.0010 ppm
Recovery Percentage	2.071 %	-2.393 %	-0.566 %	9.850 %	7.145 %	0.447 %	-8.542 %
Concentration RSD	135.6 %	125.0 %	439.3 %	12.8 %	10.8 %	69.0 %	41.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0020 ppm	0.0001 ppm	0.0042 ppm	0.0171 ppm	-0.0005 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	-0.0026 ppm	0.0000 ppm	0.0043 ppm	0.0184 ppm	0.0003 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run	-0.0010 ppm	0.0001 ppm	0.0044 ppm	0.0179 ppm	-0.0007 ppm	-0.0005 ppm	-0.0026 ppm
Concentration per Run	-0.0023 ppm	0.0001 ppm	0.0038 ppm	0.0150 ppm	-0.0010 ppm	-0.0003 ppm	0.0010 ppm
Recovery Percentage	-1.972 %	0.517 %	8.337 %	0.854 %	-1.933 %	-3.037 %	-0.151 %
Concentration RSD	43.7 %	82.2 %	7.1 %	10.7 %	137.3 %	75.0 %	2,927.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0088 ppm	0.0074 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0083 ppm	0.0088 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run	0.0096 ppm	0.0066 ppm	-0.0010 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	-0.0002 ppm
Concentration per Run	0.0085 ppm	0.0068 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm
Recovery Percentage	88.027 %	1.483 %	-0.560 %	0.456 %	-0.374 %	2.244 %	-0.947 %
Concentration RSD	7.5 %	16.2 %	221.8 %	31.7 %	798.4 %	158.7 %	117.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	92.8015 %	101.3480 %	93.5986 %	93.8757 %	103.5436 %	94.8874 %
Concentration per Run	0.0002 ppm	92.2574 %	101.0016 %	94.1400 %	93.2833 %	103.6622 %	95.5486 %
Concentration per Run	0.0002 ppm	93.5495 %	101.1531 %	92.6965 %	94.4375 %	102.9632 %	93.8413 %
Concentration per Run	0.0001 ppm	92.5976 %	101.8894 %	93.9593 %	93.9063 %	104.0055 %	95.2722 %
Recovery Percentage	2.933 %						
Concentration RSD	38.1 %	0.7 %	0.5 %	0.8 %	0.6 %	0.5 %	1.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-07D2 WG2085616
Analysis started at: 7/1/2025 12:33:01 PM
Rack 1
Vial 46
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	42.3773 ppm	0.0079 ppm	0.0141 ppm	0.0931 ppm	0.0016 ppm	5.1034 ppm
Concentration per Run	0.0001 ppm	42.4752 ppm	0.0062 ppm	0.0132 ppm	0.0924 ppm	0.0017 ppm	5.0432 ppm
Concentration per Run	-0.0002 ppm	42.0802 ppm	0.0098 ppm	0.0148 ppm	0.0940 ppm	0.0015 ppm	5.2158 ppm
Concentration per Run	0.0000 ppm	42.5764 ppm	0.0078 ppm	0.0144 ppm	0.0930 ppm	0.0017 ppm	5.0513 ppm
Concentration RSD	393.7 %	0.6 %	22.8 %	5.9 %	0.9 %	6.3 %	1.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0330 ppm	0.0640 ppm	0.0773 ppm	71.9733 ppm	4.4960 ppm	0.0531 ppm
Concentration per Run	-0.0004 ppm	0.0334 ppm	0.0642 ppm	0.0775 ppm	72.4096 ppm	4.5130 ppm	0.0523 ppm
Concentration per Run	-0.0004 ppm	0.0329 ppm	0.0641 ppm	0.0771 ppm	70.9705 ppm	4.4585 ppm	0.0537 ppm
Concentration per Run	-0.0005 ppm	0.0327 ppm	0.0639 ppm	0.0773 ppm	72.5399 ppm	4.5166 ppm	0.0532 ppm
Concentration RSD	4.9 %	1.1 %	0.2 %	0.2 %	1.2 %	0.7 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.1102 ppm	0.9285 ppm	0.0018 ppm	2.3716 ppm	0.0699 ppm	0.0271 ppm	0.0013 ppm
Concentration per Run	14.0477 ppm	0.9267 ppm	0.0025 ppm	2.3912 ppm	0.0691 ppm	0.0264 ppm	0.0026 ppm
Concentration per Run	14.1113 ppm	0.9316 ppm	0.0017 ppm	2.3265 ppm	0.0695 ppm	0.0268 ppm	-0.0010 ppm
Concentration per Run	14.1717 ppm	0.9273 ppm	0.0012 ppm	2.3971 ppm	0.0712 ppm	0.0280 ppm	0.0023 ppm
Concentration RSD	0.4 %	0.3 %	34.0 %	1.7 %	1.6 %	3.2 %	155.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0021 ppm	6.8356 ppm	0.0039 ppm	0.0343 ppm	2.3027 ppm	0.0009 ppm	0.1045 ppm
Concentration per Run	0.0020 ppm	6.9465 ppm	0.0040 ppm	0.0345 ppm	2.2960 ppm	0.0017 ppm	0.1043 ppm
Concentration per Run	0.0029 ppm	6.7626 ppm	0.0041 ppm	0.0341 ppm	2.2990 ppm	0.0003 ppm	0.1045 ppm
Concentration per Run	0.0014 ppm	6.7978 ppm	0.0036 ppm	0.0344 ppm	2.3130 ppm	0.0006 ppm	0.1046 ppm
Concentration RSD	37.3 %	1.4 %	6.5 %	0.7 %	0.4 %	86.0 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1179 ppm	94.9249 %	103.6902 %	92.2797 %	103.5252 %	120.7961 %	105.2247 %
Concentration per Run	0.1183 ppm	94.8925 %	102.7837 %	92.1950 %	102.7294 %	123.8597 %	105.1610 %
Concentration per Run	0.1176 ppm	94.9838 %	104.5152 %	92.0822 %	104.6080 %	115.0509 %	105.0874 %
Concentration per Run	0.1177 ppm	94.8982 %	103.7717 %	92.5618 %	103.2383 %	123.4777 %	105.4258 %
Concentration RSD	0.3 %	0.1 %	0.8 %	0.3 %	0.9 %	4.1 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-08D2 WG2085616
Analysis started at: 7/1/2025 12:36:31 PM
Rack 1
Vial 47
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	40.1728 ppm	0.0059 ppm	0.0101 ppm	0.1132 ppm	0.0016 ppm	3.7711 ppm
Concentration per Run	0.0003 ppm	40.2379 ppm	0.0052 ppm	0.0108 ppm	0.1140 ppm	0.0015 ppm	3.7866 ppm
Concentration per Run	0.0000 ppm	39.9087 ppm	0.0055 ppm	0.0098 ppm	0.1140 ppm	0.0015 ppm	3.8248 ppm
Concentration per Run	-0.0003 ppm	40.3718 ppm	0.0069 ppm	0.0097 ppm	0.1114 ppm	0.0017 ppm	3.7020 ppm
Concentration RSD	6,180.5 %	0.6 %	15.2 %	6.1 %	1.3 %	6.8 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0295 ppm	0.0597 ppm	0.0642 ppm	58.0577 ppm	5.8705 ppm	0.0558 ppm
Concentration per Run	-0.0003 ppm	0.0297 ppm	0.0600 ppm	0.0640 ppm	57.6754 ppm	5.9368 ppm	0.0570 ppm
Concentration per Run	-0.0004 ppm	0.0295 ppm	0.0594 ppm	0.0648 ppm	57.3396 ppm	5.8357 ppm	0.0568 ppm
Concentration per Run	-0.0005 ppm	0.0294 ppm	0.0598 ppm	0.0639 ppm	59.1582 ppm	5.8389 ppm	0.0536 ppm
Concentration RSD	27.4 %	0.5 %	0.6 %	0.8 %	1.7 %	1.0 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.0133 ppm	0.7916 ppm	0.0014 ppm	3.1386 ppm	0.0809 ppm	0.0230 ppm	0.0001 ppm
Concentration per Run	14.0728 ppm	0.7908 ppm	0.0006 ppm	3.1209 ppm	0.0805 ppm	0.0232 ppm	0.0013 ppm
Concentration per Run	14.0450 ppm	0.7915 ppm	0.0016 ppm	3.0900 ppm	0.0806 ppm	0.0225 ppm	-0.0012 ppm
Concentration per Run	13.9222 ppm	0.7926 ppm	0.0020 ppm	3.2049 ppm	0.0817 ppm	0.0234 ppm	0.0002 ppm
Concentration RSD	0.6 %	0.1 %	49.1 %	1.9 %	0.8 %	2.1 %	1,503.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0038 ppm	5.6441 ppm	0.0035 ppm	0.0303 ppm	2.4915 ppm	0.0024 ppm	0.0908 ppm
Concentration per Run	0.0056 ppm	5.6760 ppm	0.0034 ppm	0.0303 ppm	2.5046 ppm	0.0025 ppm	0.0910 ppm
Concentration per Run	0.0015 ppm	5.6639 ppm	0.0035 ppm	0.0302 ppm	2.4890 ppm	0.0022 ppm	0.0910 ppm
Concentration per Run	0.0042 ppm	5.5922 ppm	0.0036 ppm	0.0303 ppm	2.4809 ppm	0.0025 ppm	0.0904 ppm
Concentration RSD	56.0 %	0.8 %	2.8 %	0.2 %	0.5 %	7.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1091 ppm	95.6799 %	104.2111 %	93.2721 %	104.4088 %	119.0349 %	106.2967 %
Concentration per Run	0.1086 ppm	95.7027 %	105.2022 %	92.8547 %	104.4178 %	117.5773 %	106.2770 %
Concentration per Run	0.1093 ppm	95.7247 %	104.2118 %	93.8502 %	104.0364 %	113.6233 %	106.3099 %
Concentration per Run	0.1094 ppm	95.6123 %	103.2194 %	93.1113 %	104.7724 %	125.9041 %	106.3032 %
Concentration RSD	0.4 %	0.1 %	1.0 %	0.6 %	0.4 %	5.3 %	0.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-09D2 WG2085616
Analysis started at: 7/1/2025 12:39:57 PM
Rack 1
Vial 48
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	38.7992 ppm	0.0065 ppm	0.0158 ppm	0.1212 ppm	0.0015 ppm	9.3832 ppm
Concentration per Run	0.0001 ppm	38.5727 ppm	0.0061 ppm	0.0156 ppm	0.1225 ppm	0.0014 ppm	9.4936 ppm
Concentration per Run	0.0006 ppm	38.9042 ppm	0.0078 ppm	0.0154 ppm	0.1219 ppm	0.0014 ppm	9.4574 ppm
Concentration per Run	0.0000 ppm	38.9205 ppm	0.0057 ppm	0.0163 ppm	0.1193 ppm	0.0017 ppm	9.1984 ppm
Concentration RSD	130.1 %	0.5 %	16.7 %	3.1 %	1.4 %	9.5 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0282 ppm	0.0729 ppm	0.0700 ppm	59.4375 ppm	5.6142 ppm	0.0560 ppm
Concentration per Run	-0.0002 ppm	0.0285 ppm	0.0732 ppm	0.0699 ppm	58.8479 ppm	5.6088 ppm	0.0572 ppm
Concentration per Run	-0.0002 ppm	0.0275 ppm	0.0717 ppm	0.0695 ppm	58.7284 ppm	5.6730 ppm	0.0583 ppm
Concentration per Run	-0.0004 ppm	0.0285 ppm	0.0738 ppm	0.0705 ppm	60.7361 ppm	5.5609 ppm	0.0527 ppm
Concentration RSD	41.2 %	2.1 %	1.5 %	0.7 %	1.9 %	1.0 %	5.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.0609 ppm	0.7592 ppm	0.0079 ppm	3.2389 ppm	0.0805 ppm	0.0223 ppm	0.0033 ppm
Concentration per Run	15.1582 ppm	0.7600 ppm	0.0074 ppm	3.1680 ppm	0.0808 ppm	0.0221 ppm	0.0012 ppm
Concentration per Run	14.6841 ppm	0.7584 ppm	0.0081 ppm	3.2371 ppm	0.0793 ppm	0.0229 ppm	0.0065 ppm
Concentration per Run	15.3402 ppm	0.7590 ppm	0.0084 ppm	3.3116 ppm	0.0814 ppm	0.0218 ppm	0.0020 ppm
Concentration RSD	2.2 %	0.1 %	6.4 %	2.2 %	1.3 %	2.6 %	87.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	9.5262 ppm	0.0049 ppm	0.0388 ppm	2.5140 ppm	0.0014 ppm	0.0970 ppm
Concentration per Run	0.0037 ppm	9.7104 ppm	0.0051 ppm	0.0389 ppm	2.5234 ppm	0.0010 ppm	0.0972 ppm
Concentration per Run	0.0039 ppm	9.4508 ppm	0.0060 ppm	0.0387 ppm	2.4615 ppm	0.0014 ppm	0.0967 ppm
Concentration per Run	0.0028 ppm	9.4175 ppm	0.0037 ppm	0.0389 ppm	2.5571 ppm	0.0019 ppm	0.0973 ppm
Concentration RSD	17.6 %	1.7 %	22.8 %	0.3 %	1.9 %	31.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1226 ppm	95.7394 %	104.0067 %	92.3267 %	107.6382 %	121.2313 %	108.3526 %
Concentration per Run	0.1232 ppm	95.0469 %	104.7684 %	92.0264 %	108.1857 %	117.4807 %	108.2705 %
Concentration per Run	0.1225 ppm	96.7777 %	104.7784 %	92.3341 %	107.2141 %	118.4538 %	108.4617 %
Concentration per Run	0.1221 ppm	95.3936 %	102.4734 %	92.6197 %	107.5149 %	127.7593 %	108.3255 %
Concentration RSD	0.5 %	1.0 %	1.3 %	0.3 %	0.5 %	4.7 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-10D2 WG2085616
Analysis started at: 7/1/2025 12:43:23 PM
Rack 1
Vial 49
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	79.4541 ppm	0.0216 ppm	0.0965 ppm	0.2531 ppm	0.0029 ppm	50.1033 ppm
Concentration per Run	-0.0001 ppm	79.2746 ppm	0.0206 ppm	0.0964 ppm	0.2535 ppm	0.0030 ppm	50.7837 ppm
Concentration per Run	0.0006 ppm	80.0459 ppm	0.0226 ppm	0.0967 ppm	0.2516 ppm	0.0031 ppm	49.3058 ppm
Concentration per Run	0.0000 ppm	79.0417 ppm	0.0216 ppm	0.0963 ppm	0.2542 ppm	0.0028 ppm	50.2203 ppm
Concentration RSD	244.4 %	0.7 %	4.5 %	0.2 %	0.5 %	6.0 %	1.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0594 ppm	0.0999 ppm	0.1170 ppm	99.7078 ppm	7.8668 ppm	0.0833 ppm
Concentration per Run	-0.0007 ppm	0.0591 ppm	0.1007 ppm	0.1168 ppm	99.8621 ppm	7.8615 ppm	0.0840 ppm
Concentration per Run	-0.0007 ppm	0.0598 ppm	0.0992 ppm	0.1173 ppm	100.7651 ppm	7.9598 ppm	0.0818 ppm
Concentration per Run	-0.0007 ppm	0.0592 ppm	0.0999 ppm	0.1170 ppm	98.4962 ppm	7.7790 ppm	0.0841 ppm
Concentration RSD	6.1 %	0.7 %	0.7 %	0.2 %	1.1 %	1.2 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	25.2393 ppm	2.0775 ppm	0.0035 ppm	7.6842 ppm	0.0987 ppm	0.0636 ppm	0.0022 ppm
Concentration per Run	25.3872 ppm	2.0879 ppm	0.0037 ppm	7.5170 ppm	0.0985 ppm	0.0645 ppm	0.0019 ppm
Concentration per Run	24.8747 ppm	2.0783 ppm	0.0032 ppm	7.9341 ppm	0.0980 ppm	0.0647 ppm	0.0032 ppm
Concentration per Run	25.4561 ppm	2.0664 ppm	0.0035 ppm	7.6014 ppm	0.0995 ppm	0.0617 ppm	0.0014 ppm
Concentration RSD	1.3 %	0.5 %	7.9 %	2.9 %	0.8 %	2.6 %	41.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	11.8604 [SIC 200]	0.0047 ppm	0.2407 ppm	4.5832 ppm	0.0040 ppm	0.2140 ppm
Concentration per Run	0.0036 ppm	11.7999 ppm	0.0050 ppm	0.2408 ppm	4.6005 ppm	0.0042 ppm	0.2150 ppm
Concentration per Run	0.0029 ppm	12.0330 ppm	0.0041 ppm	0.2417 ppm	4.5377 ppm	0.0034 ppm	0.2128 ppm
Concentration per Run	0.0027 ppm	11.7482 ppm	0.0049 ppm	0.2396 ppm	4.6115 ppm	0.0043 ppm	0.2140 ppm
Concentration RSD	15.1 %	1.3 %	10.4 %	0.4 %	0.9 %	11.9 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2150 ppm	96.9501 %	105.9291 %	89.8477 %	116.1953 %	131.7651 %	116.9402 %
Concentration per Run	0.2149 ppm	96.8343 %	106.4367 %	90.1894 %	115.9278 %	129.2998 %	117.2499 %
Concentration per Run	0.2146 ppm	96.9666 %	104.6904 %	89.7587 %	115.9727 %	137.2157 %	117.2304 %
Concentration per Run	0.2153 ppm	97.0492 %	106.6603 %	89.5950 %	116.6852 %	128.7797 %	116.3404 %
Concentration RSD	0.2 %	0.1 %	1.0 %	0.3 %	0.4 %	3.6 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-11D2 WG2085616
Analysis started at: 7/1/2025 12:46:46 PM
Rack 1
Vial 50
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	41.2318 ppm	0.0096 ppm	0.0266 ppm	0.1251 ppm	0.0014 ppm	18.9080 ppm
Concentration per Run	0.0000 ppm	41.5601 ppm	0.0113 ppm	0.0268 ppm	0.1260 ppm	0.0014 ppm	18.8405 ppm
Concentration per Run	0.0004 ppm	41.4516 ppm	0.0082 ppm	0.0273 ppm	0.1256 ppm	0.0014 ppm	18.9118 ppm
Concentration per Run	0.0006 ppm	40.6837 ppm	0.0092 ppm	0.0257 ppm	0.1239 ppm	0.0014 ppm	18.9718 ppm
Concentration RSD	78.5 %	1.2 %	16.6 %	3.0 %	0.9 %	3.0 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0294 ppm	0.0822 ppm	0.0796 ppm	65.9167 ppm	5.9404 ppm	0.0544 ppm
Concentration per Run	-0.0004 ppm	0.0294 ppm	0.0824 ppm	0.0794 ppm	66.4741 ppm	6.0625 ppm	0.0552 ppm
Concentration per Run	-0.0004 ppm	0.0294 ppm	0.0838 ppm	0.0794 ppm	65.6662 ppm	5.9910 ppm	0.0556 ppm
Concentration per Run	-0.0004 ppm	0.0295 ppm	0.0805 ppm	0.0801 ppm	65.6097 ppm	5.7676 ppm	0.0523 ppm
Concentration RSD	7.1 %	0.2 %	2.0 %	0.6 %	0.7 %	2.6 %	3.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.7798 ppm	0.7082 ppm	0.0103 ppm	4.9724 ppm	0.0689 ppm	0.0301 ppm	-0.0010 ppm
Concentration per Run	14.8169 ppm	0.7098 ppm	0.0106 ppm	5.0903 ppm	0.0692 ppm	0.0307 ppm	-0.0020 ppm
Concentration per Run	15.0758 ppm	0.7068 ppm	0.0103 ppm	5.0070 ppm	0.0691 ppm	0.0289 ppm	0.0002 ppm
Concentration per Run	14.4468 ppm	0.7080 ppm	0.0100 ppm	4.8198 ppm	0.0685 ppm	0.0307 ppm	-0.0012 ppm
Concentration RSD	2.1 %	0.2 %	2.6 %	2.8 %	0.6 %	3.5 %	111.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	9.9148 ppm	0.0039 ppm	0.0695 ppm	2.5181 ppm	0.0016 ppm	0.1165 ppm
Concentration per Run	0.0026 ppm	10.1889 ppm	0.0034 ppm	0.0701 ppm	2.5121 ppm	0.0028 ppm	0.1167 ppm
Concentration per Run	0.0031 ppm	9.8296 ppm	0.0048 ppm	0.0698 ppm	2.6002 ppm	0.0018 ppm	0.1173 ppm
Concentration per Run	0.0021 ppm	9.7259 ppm	0.0035 ppm	0.0688 ppm	2.4421 ppm	0.0001 ppm	0.1157 ppm
Concentration RSD	18.6 %	2.5 %	19.7 %	1.0 %	3.1 %	88.8 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1147 ppm	95.9297 %	104.2932 %	92.2867 %	105.7798 %	117.1080 %	107.3154 %
Concentration per Run	0.1150 ppm	95.1310 %	104.1305 %	91.8288 %	105.3189 %	117.1784 %	106.7504 %
Concentration per Run	0.1145 ppm	95.8222 %	104.2679 %	92.3400 %	105.8524 %	117.0326 %	107.2742 %
Concentration per Run	0.1146 ppm	96.8357 %	104.4810 %	92.6913 %	106.1682 %	117.1130 %	107.9216 %
Concentration RSD	0.2 %	0.9 %	0.2 %	0.5 %	0.4 %	0.1 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-12D2 WG2085616
Analysis started at: 7/1/2025 12:50:10 PM
Rack 1
Vial 51
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	32.0831 ppm	0.0056 ppm	0.0066 ppm	0.1343 ppm	0.0014 ppm	3.7699 ppm
Concentration per Run	-0.0001 ppm	32.0458 ppm	0.0084 ppm	0.0065 ppm	0.1355 ppm	0.0014 ppm	3.7764 ppm
Concentration per Run	0.0002 ppm	32.5462 ppm	0.0048 ppm	0.0077 ppm	0.1328 ppm	0.0016 ppm	3.6990 ppm
Concentration per Run	-0.0002 ppm	31.6574 ppm	0.0035 ppm	0.0058 ppm	0.1346 ppm	0.0014 ppm	3.8343 ppm
Concentration RSD	464.5 %	1.4 %	45.7 %	14.3 %	1.0 %	9.4 %	1.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0272 ppm	0.0521 ppm	0.0548 ppm	55.0348 ppm	5.7497 ppm	0.0488 ppm
Concentration per Run	-0.0004 ppm	0.0274 ppm	0.0523 ppm	0.0548 ppm	54.4321 ppm	5.7382 ppm	0.0500 ppm
Concentration per Run	-0.0002 ppm	0.0269 ppm	0.0521 ppm	0.0547 ppm	56.1204 ppm	5.8728 ppm	0.0474 ppm
Concentration per Run	-0.0002 ppm	0.0274 ppm	0.0519 ppm	0.0549 ppm	54.5518 ppm	5.6380 ppm	0.0490 ppm
Concentration RSD	45.7 %	1.2 %	0.4 %	0.2 %	1.7 %	2.0 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.3748 ppm	0.5648 ppm	0.0009 ppm	3.9641 ppm	0.0782 ppm	0.0182 ppm	0.0018 ppm
Concentration per Run	12.2304 ppm	0.5636 ppm	0.0016 ppm	3.9337 ppm	0.0774 ppm	0.0183 ppm	0.0012 ppm
Concentration per Run	12.5286 ppm	0.5656 ppm	0.0001 ppm	4.1208 ppm	0.0792 ppm	0.0185 ppm	0.0001 ppm
Concentration per Run	12.3653 ppm	0.5652 ppm	0.0009 ppm	3.8379 ppm	0.0781 ppm	0.0177 ppm	0.0041 ppm
Concentration RSD	1.2 %	0.2 %	85.9 %	3.6 %	1.2 %	2.3 %	114.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	3.4066 ppm	0.0037 ppm	0.0203 ppm	2.0801 ppm	0.0007 ppm	0.0756 ppm
Concentration per Run	0.0053 ppm	3.4548 ppm	0.0035 ppm	0.0202 ppm	2.0681 ppm	-0.0003 ppm	0.0752 ppm
Concentration per Run	0.0032 ppm	3.4473 ppm	0.0042 ppm	0.0203 ppm	2.1016 ppm	0.0008 ppm	0.0760 ppm
Concentration per Run	0.0034 ppm	3.3176 ppm	0.0035 ppm	0.0203 ppm	2.0706 ppm	0.0017 ppm	0.0757 ppm
Concentration RSD	28.5 %	2.3 %	10.9 %	0.4 %	0.9 %	139.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1002 ppm	95.5861 %	104.5717 %	92.6792 %	106.5387 %	122.2797 %	107.1559 %
Concentration per Run	0.1003 ppm	95.6774 %	106.2112 %	93.0655 %	105.7538 %	120.8866 %	107.9843 %
Concentration per Run	0.1005 ppm	95.1868 %	102.4191 %	92.5660 %	106.8814 %	127.9329 %	106.6881 %
Concentration per Run	0.0999 ppm	95.8940 %	105.0848 %	92.4061 %	106.9810 %	118.0197 %	106.7951 %
Concentration RSD	0.3 %	0.4 %	1.9 %	0.4 %	0.6 %	4.2 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-13D2 WG2085616
Analysis started at: 7/1/2025 12:53:34 PM
Rack 1
Vial 52
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	46.4230 ppm	0.0105 ppm	0.0988 ppm	0.2042 ppm	0.0012 ppm	43.3278 ppm
Concentration per Run	0.0008 ppm	46.4456 ppm	0.0104 ppm	0.0961 ppm	0.2045 ppm	0.0011 ppm	43.2824 ppm
Concentration per Run	0.0004 ppm	46.6588 ppm	0.0096 ppm	0.1017 ppm	0.2030 ppm	0.0012 ppm	43.0748 ppm
Concentration per Run	0.0003 ppm	46.1646 ppm	0.0114 ppm	0.0985 ppm	0.2052 ppm	0.0012 ppm	43.6262 ppm
Concentration RSD	53.4 %	0.5 %	8.6 %	2.9 %	0.6 %	4.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0418 ppm	0.0610 ppm	0.1295 ppm	87.1239 ppm	8.1872 ppm	0.0644 ppm
Concentration per Run	-0.0005 ppm	0.0424 ppm	0.0600 ppm	0.1293 ppm	86.7132 ppm	8.2182 ppm	0.0665 ppm
Concentration per Run	-0.0006 ppm	0.0418 ppm	0.0623 ppm	0.1296 ppm	87.1996 ppm	8.2437 ppm	0.0636 ppm
Concentration per Run	-0.0004 ppm	0.0410 ppm	0.0608 ppm	0.1297 ppm	87.4588 ppm	8.0998 ppm	0.0630 ppm
Concentration RSD	21.1 %	1.6 %	1.9 %	0.1 %	0.4 %	0.9 %	2.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.5621 ppm	1.2122 ppm	0.0016 ppm	3.4873 ppm	0.0652 ppm	0.0463 ppm	0.0018 ppm
Concentration per Run	23.1403 ppm	1.2110 ppm	0.0016 ppm	3.5107 ppm	0.0649 ppm	0.0462 ppm	0.0011 ppm
Concentration per Run	24.3004 ppm	1.2105 ppm	0.0015 ppm	3.5195 ppm	0.0660 ppm	0.0483 ppm	0.0038 ppm
Concentration per Run	23.2455 ppm	1.2152 ppm	0.0016 ppm	3.4316 ppm	0.0646 ppm	0.0445 ppm	0.0006 ppm
Concentration RSD	2.7 %	0.2 %	3.2 %	1.4 %	1.2 %	4.2 %	94.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	10.9287 [SIC 200]	0.0051 ppm	0.1445 ppm	3.2577 ppm	0.0013 ppm	0.2234 ppm
Concentration per Run	0.0029 ppm	11.0415 ppm	0.0049 ppm	0.1447 ppm	3.2309 ppm	0.0002 ppm	0.2222 ppm
Concentration per Run	0.0024 ppm	11.0852 ppm	0.0057 ppm	0.1442 ppm	3.3161 ppm	0.0018 ppm	0.2259 ppm
Concentration per Run	0.0053 ppm	10.6594 ppm	0.0046 ppm	0.1446 ppm	3.2262 ppm	0.0019 ppm	0.2221 ppm
Concentration RSD	44.4 %	2.1 %	11.8 %	0.2 %	1.6 %	70.1 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1673 ppm	96.1625 %	104.5772 %	91.0556 %	109.5734 %	120.5848 %	110.9924 %
Concentration per Run	0.1669 ppm	96.9729 %	104.5889 %	90.8600 %	110.0999 %	120.2536 %	110.7373 %
Concentration per Run	0.1681 ppm	94.8125 %	104.4810 %	90.3184 %	108.4960 %	121.6806 %	110.3524 %
Concentration per Run	0.1669 ppm	96.7022 %	104.6618 %	91.9882 %	110.1243 %	119.8203 %	111.8874 %
Concentration RSD	0.4 %	1.2 %	0.1 %	0.9 %	0.9 %	0.8 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-14D2 WG2085616
Analysis started at: 7/1/2025 12:56:58 PM
Rack 1
Vial 53
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	37.7465 ppm	0.0069 ppm	0.0271 ppm	0.1363 ppm	0.0014 ppm	43.3507 ppm
Concentration per Run	0.0003 ppm	37.7636 ppm	0.0088 ppm	0.0277 ppm	0.1385 ppm	0.0013 ppm	43.7066 ppm
Concentration per Run	-0.0004 ppm	37.5895 ppm	0.0073 ppm	0.0280 ppm	0.1375 ppm	0.0013 ppm	43.9700 ppm
Concentration per Run	-0.0004 ppm	37.8864 ppm	0.0045 ppm	0.0258 ppm	0.1330 ppm	0.0015 ppm	42.3753 ppm
Concentration RSD	246.2 %	0.4 %	31.6 %	4.4 %	2.2 %	9.3 %	2.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0268 ppm	0.0602 ppm	0.0654 ppm	53.0309 ppm	5.5057 ppm	0.0570 ppm
Concentration per Run	-0.0004 ppm	0.0267 ppm	0.0600 ppm	0.0656 ppm	52.7471 ppm	5.5614 ppm	0.0581 ppm
Concentration per Run	-0.0004 ppm	0.0269 ppm	0.0605 ppm	0.0652 ppm	52.5869 ppm	5.4865 ppm	0.0579 ppm
Concentration per Run	-0.0003 ppm	0.0267 ppm	0.0603 ppm	0.0655 ppm	53.7589 ppm	5.4691 ppm	0.0551 ppm
Concentration RSD	15.5 %	0.5 %	0.4 %	0.3 %	1.2 %	0.9 %	2.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.4075 ppm	0.6762 ppm	0.0042 ppm	3.0488 ppm	0.0699 ppm	0.0341 ppm	0.0006 ppm
Concentration per Run	15.3374 ppm	0.6781 ppm	0.0043 ppm	3.0192 ppm	0.0696 ppm	0.0337 ppm	0.0067 ppm
Concentration per Run	15.5505 ppm	0.6771 ppm	0.0041 ppm	2.9967 ppm	0.0702 ppm	0.0340 ppm	-0.0034 ppm
Concentration per Run	15.3345 ppm	0.6733 ppm	0.0042 ppm	3.1305 ppm	0.0700 ppm	0.0347 ppm	-0.0013 ppm
Concentration RSD	0.8 %	0.4 %	2.0 %	2.4 %	0.4 %	1.4 %	836.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	12.6090 [SIC 200]	0.0039 ppm	0.1252 ppm	2.1884 ppm	0.0016 ppm	0.0977 ppm
Concentration per Run	0.0055 ppm	12.8006 ppm	0.0056 ppm	0.1259 ppm	2.1699 ppm	0.0014 ppm	0.0978 ppm
Concentration per Run	0.0019 ppm	12.5123 ppm	0.0034 ppm	0.1248 ppm	2.2120 ppm	0.0012 ppm	0.0977 ppm
Concentration per Run	0.0046 ppm	12.5141 ppm	0.0028 ppm	0.1250 ppm	2.1833 ppm	0.0022 ppm	0.0975 ppm
Concentration RSD	47.0 %	1.3 %	37.5 %	0.5 %	1.0 %	34.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1090 ppm	94.3560 %	102.8076 %	91.4378 %	101.9494 %	116.1370 %	103.4568 %
Concentration per Run	0.1092 ppm	94.0173 %	103.6546 %	90.9806 %	101.8223 %	112.9901 %	103.3464 %
Concentration per Run	0.1088 ppm	94.0062 %	103.3039 %	91.9052 %	101.4540 %	111.5475 %	103.7920 %
Concentration per Run	0.1089 ppm	95.0443 %	101.4643 %	91.4275 %	102.5718 %	123.8736 %	103.2320 %
Concentration RSD	0.2 %	0.6 %	1.1 %	0.5 %	0.6 %	5.8 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-15D2 WG2085616
Analysis started at: 7/1/2025 1:00:22 PM
Rack 1
Vial 54
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	33.8910 ppm	0.0086 ppm	0.0026 ppm	0.1007 ppm	0.0015 ppm	5.0269 ppm
Concentration per Run	-0.0005 ppm	34.0726 ppm	0.0081 ppm	0.0023 ppm	0.1022 ppm	0.0014 ppm	5.1208 ppm
Concentration per Run	-0.0003 ppm	33.8123 ppm	0.0081 ppm	0.0026 ppm	0.1018 ppm	0.0015 ppm	5.0928 ppm
Concentration per Run	-0.0004 ppm	33.7881 ppm	0.0094 ppm	0.0029 ppm	0.0981 ppm	0.0016 ppm	4.8671 ppm
Concentration RSD	23.2 %	0.5 %	8.6 %	12.4 %	2.2 %	5.2 %	2.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0273 ppm	0.0458 ppm	0.0526 ppm	56.5693 ppm	5.4640 ppm	0.0459 ppm
Concentration per Run	-0.0001 ppm	0.0276 ppm	0.0467 ppm	0.0526 ppm	56.4233 ppm	5.5018 ppm	0.0478 ppm
Concentration per Run	-0.0003 ppm	0.0272 ppm	0.0455 ppm	0.0524 ppm	56.3034 ppm	5.4235 ppm	0.0472 ppm
Concentration per Run	-0.0003 ppm	0.0272 ppm	0.0453 ppm	0.0529 ppm	56.9813 ppm	5.4667 ppm	0.0427 ppm
Concentration RSD	32.9 %	0.9 %	1.6 %	0.5 %	0.6 %	0.7 %	6.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.9642 ppm	0.6033 ppm	0.0010 ppm	3.7013 ppm	0.0703 ppm	0.0258 ppm	0.0024 ppm
Concentration per Run	12.1762 ppm	0.6078 ppm	0.0012 ppm	3.6779 ppm	0.0709 ppm	0.0260 ppm	0.0053 ppm
Concentration per Run	11.9102 ppm	0.6046 ppm	0.0011 ppm	3.6438 ppm	0.0698 ppm	0.0260 ppm	0.0004 ppm
Concentration per Run	11.8061 ppm	0.5977 ppm	0.0008 ppm	3.7822 ppm	0.0701 ppm	0.0252 ppm	0.0014 ppm
Concentration RSD	1.6 %	0.9 %	20.8 %	1.9 %	0.8 %	1.8 %	110.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	3.1843 ppm	0.0044 ppm	0.0216 ppm	2.2553 ppm	0.0016 ppm	0.0787 ppm
Concentration per Run	0.0006 ppm	3.1857 ppm	0.0042 ppm	0.0217 ppm	2.3019 ppm	0.0016 ppm	0.0795 ppm
Concentration per Run	0.0052 ppm	3.2069 ppm	0.0044 ppm	0.0216 ppm	2.2390 ppm	-0.0006 ppm	0.0786 ppm
Concentration per Run	0.0035 ppm	3.1603 ppm	0.0046 ppm	0.0215 ppm	2.2249 ppm	0.0038 ppm	0.0781 ppm
Concentration RSD	76.0 %	0.7 %	4.8 %	0.6 %	1.8 %	139.5 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2270 ppm	95.0536 %	103.7004 %	92.3135 %	108.2652 %	122.9593 %	108.3145 %
Concentration per Run	0.2288 ppm	94.1894 %	104.3145 %	92.0763 %	107.5908 %	119.6056 %	107.9308 %
Concentration per Run	0.2259 ppm	95.5203 %	104.1312 %	92.8031 %	109.5216 %	119.1007 %	108.8551 %
Concentration per Run	0.2263 ppm	95.4511 %	102.6555 %	92.0610 %	107.6834 %	130.1715 %	108.1574 %
Concentration RSD	0.7 %	0.8 %	0.9 %	0.5 %	1.0 %	5.1 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540691-16D2 WG2085616
Analysis started at: 7/1/2025 1:03:46 PM
Rack 1
Vial 55
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	34.1788 ppm	0.0052 ppm	0.0025 ppm	0.1074 ppm	0.0014 ppm	4.2054 ppm
Concentration per Run	-0.0005 ppm	33.9590 ppm	0.0039 ppm	0.0026 ppm	0.1101 ppm	0.0013 ppm	4.3223 ppm
Concentration per Run	-0.0002 ppm	34.2775 ppm	0.0054 ppm	0.0023 ppm	0.1062 ppm	0.0014 ppm	4.1480 ppm
Concentration per Run	0.0000 ppm	34.2999 ppm	0.0063 ppm	0.0024 ppm	0.1059 ppm	0.0015 ppm	4.1459 ppm
Concentration RSD	97.0 %	0.6 %	24.0 %	5.8 %	2.2 %	7.3 %	2.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0254 ppm	0.0459 ppm	0.0503 ppm	51.6871 ppm	6.1309 ppm	0.0489 ppm
Concentration per Run	-0.0002 ppm	0.0250 ppm	0.0451 ppm	0.0505 ppm	51.2225 ppm	6.1226 ppm	0.0517 ppm
Concentration per Run	-0.0003 ppm	0.0260 ppm	0.0466 ppm	0.0501 ppm	51.6613 ppm	6.1176 ppm	0.0476 ppm
Concentration per Run	-0.0003 ppm	0.0253 ppm	0.0460 ppm	0.0502 ppm	52.1773 ppm	6.1526 ppm	0.0474 ppm
Concentration RSD	22.4 %	2.0 %	1.6 %	0.4 %	0.9 %	0.3 %	5.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.4477 ppm	0.5748 ppm	0.0004 ppm	3.3925 ppm	0.0664 ppm	0.0220 ppm	0.0021 ppm
Concentration per Run	12.3490 ppm	0.5780 ppm	0.0003 ppm	3.3070 ppm	0.0672 ppm	0.0208 ppm	0.0005 ppm
Concentration per Run	12.5921 ppm	0.5728 ppm	0.0003 ppm	3.4379 ppm	0.0658 ppm	0.0232 ppm	0.0034 ppm
Concentration per Run	12.4019 ppm	0.5736 ppm	0.0007 ppm	3.4326 ppm	0.0662 ppm	0.0221 ppm	0.0023 ppm
Concentration RSD	1.0 %	0.5 %	64.2 %	2.2 %	1.0 %	5.5 %	70.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0044 ppm	3.1713 ppm	0.0029 ppm	0.0205 ppm	2.2759 ppm	0.0008 ppm	0.0744 ppm
Concentration per Run	0.0059 ppm	3.1427 ppm	0.0038 ppm	0.0206 ppm	2.2693 ppm	0.0007 ppm	0.0745 ppm
Concentration per Run	0.0039 ppm	3.2190 ppm	0.0026 ppm	0.0205 ppm	2.2917 ppm	0.0012 ppm	0.0744 ppm
Concentration per Run	0.0035 ppm	3.1522 ppm	0.0023 ppm	0.0204 ppm	2.2668 ppm	0.0006 ppm	0.0743 ppm
Concentration RSD	29.3 %	1.3 %	27.6 %	0.5 %	0.6 %	37.9 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2299 ppm	94.3371 %	103.2327 %	92.2538 %	104.0777 %	124.1032 %	106.0213 %
Concentration per Run	0.2298 ppm	94.2840 %	104.5157 %	92.0993 %	103.9722 %	117.2611 %	105.9646 %
Concentration per Run	0.2298 ppm	94.1457 %	102.8386 %	91.8972 %	104.0191 %	127.5682 %	105.8029 %
Concentration per Run	0.2300 ppm	94.5815 %	102.3439 %	92.7650 %	104.2419 %	127.4804 %	106.2962 %
Concentration RSD	0.0 %	0.2 %	1.1 %	0.5 %	0.1 %	4.8 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 1:07:11 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5149 ppm	0.4858 ppm	0.4841 ppm	0.5122 ppm	0.5089 ppm	0.5125 ppm	0.4892 ppm
Concentration per Run	0.5144 ppm	0.4864 ppm	0.4881 ppm	0.5087 ppm	0.5104 ppm	0.5093 ppm	0.4827 ppm
Concentration per Run	0.5159 ppm	0.4821 ppm	0.4828 ppm	0.5167 ppm	0.5039 ppm	0.5133 ppm	0.4937 ppm
Concentration per Run	0.5145 ppm	0.4890 ppm	0.4812 ppm	0.5111 ppm	0.5124 ppm	0.5149 ppm	0.4910 ppm
Recovery Percentage	102.986 %	97.164 %	96.810 %	102.434 %	101.782 %	102.500 %	97.831 %
Concentration RSD	0.2 %	0.7 %	0.7 %	0.8 %	0.9 %	0.6 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4963 ppm	0.5144 ppm	0.5212 ppm	0.5197 ppm	0.5205 ppm	5.4058 ppm	0.5302 ppm
Concentration per Run	0.4992 ppm	0.5149 ppm	0.5225 ppm	0.5192 ppm	0.5192 ppm	5.4455 ppm	0.5407 ppm
Concentration per Run	0.4966 ppm	0.5165 ppm	0.5230 ppm	0.5220 ppm	0.5225 ppm	5.3366 ppm	0.5150 ppm
Concentration per Run	0.4931 ppm	0.5119 ppm	0.5181 ppm	0.5179 ppm	0.5200 ppm	5.4353 ppm	0.5350 ppm
Recovery Percentage	99.261 %	102.883 %	104.238 %	103.934 %	104.109 %	108.116 %	106.050 %
Concentration RSD	0.6 %	0.5 %	0.5 %	0.4 %	0.3 %	1.1 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5148 ppm	0.5000 ppm	0.4934 ppm	10.8753 ppm	0.5225 ppm	0.4964 ppm	0.5098 ppm
Concentration per Run	0.5135 ppm	0.4951 ppm	0.4934 ppm	10.9837 ppm	0.5204 ppm	0.4961 ppm	0.5083 ppm
Concentration per Run	0.5179 ppm	0.5019 ppm	0.4950 ppm	10.7408 ppm	0.5247 ppm	0.4970 ppm	0.5128 ppm
Concentration per Run	0.5129 ppm	0.5030 ppm	0.4918 ppm	10.9013 ppm	0.5223 ppm	0.4961 ppm	0.5083 ppm
Recovery Percentage	102.953 %	100.003 %	98.681 %	108.753 %	104.497 %	99.279 %	101.958 %
Concentration RSD	0.5 %	0.9 %	0.3 %	1.1 %	0.4 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4984 ppm	5.6234 ppm	0.5225 ppm	0.5106 ppm	0.5127 ppm	0.4985 ppm	0.5183 ppm
Concentration per Run	0.4987 ppm	5.6167 ppm	0.5224 ppm	0.5091 ppm	0.5133 ppm	0.4996 ppm	0.5195 ppm
Concentration per Run	0.5012 ppm	5.6453 ppm	0.5242 ppm	0.5087 ppm	0.5127 ppm	0.4992 ppm	0.5187 ppm
Concentration per Run	0.4952 ppm	5.6083 ppm	0.5208 ppm	0.5139 ppm	0.5122 ppm	0.4967 ppm	0.5168 ppm
Recovery Percentage	99.673 %	107.113 %	104.493 %	102.111 %	102.539 %	99.707 %	103.665 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.6 %	0.1 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5161 ppm	94.5347 %	101.7414 %	94.3924 %	94.5911 %	103.1604 %	94.8910 %
Concentration per Run	0.5180 ppm	94.1839 %	102.6975 %	94.4400 %	94.5468 %	102.9273 %	94.9799 %
Concentration per Run	0.5169 ppm	94.4155 %	101.0197 %	93.9681 %	94.5526 %	104.5359 %	94.5592 %
Concentration per Run	0.5134 ppm	95.0047 %	101.5069 %	94.7691 %	94.6740 %	102.0181 %	95.1339 %
Recovery Percentage	103.220 %						
Concentration RSD	0.5 %	0.4 %	0.8 %	0.4 %	0.1 %	1.2 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 1:10:36 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	-0.0043 ppm	-0.0014 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run	-0.0008 ppm	-0.0022 ppm	-0.0009 ppm	0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run	-0.0014 ppm	-0.0044 ppm	-0.0006 ppm	0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run	-0.0006 ppm	-0.0064 ppm	-0.0028 ppm	0.0017 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm
Recovery Percentage	-18.860 %	-4.343 %	-28.229 %	5.867 %	0.712 %	1.570 %	1.242 %
Concentration RSD	40.1 %	47.6 %	83.7 %	6.3 %	103.9 %	15.7 %	71.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0004 ppm	0.0001 ppm	0.0008 ppm	0.0034 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0028 ppm	-0.0051 ppm	-0.0004 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0010 ppm	0.0032 ppm	0.0028 ppm	-0.0006 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	0.0003 ppm	0.0008 ppm	0.0041 ppm	0.0023 ppm	-0.0003 ppm
Recovery Percentage	2.678 %	-3.986 %	1.294 %	8.390 %	6.757 %	0.000 %	-4.010 %
Concentration RSD	61.0 %	100.6 %	112.9 %	21.8 %	20.2 %	76,223.1 %	36.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0030 ppm	0.0001 ppm	0.0039 ppm	0.0030 ppm	-0.0004 ppm	-0.0007 ppm	-0.0008 ppm
Concentration per Run	-0.0030 ppm	0.0001 ppm	0.0036 ppm	0.0017 ppm	-0.0001 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run	-0.0017 ppm	0.0002 ppm	0.0041 ppm	0.0042 ppm	-0.0004 ppm	-0.0008 ppm	-0.0050 ppm
Concentration per Run	-0.0043 ppm	0.0000 ppm	0.0042 ppm	0.0032 ppm	-0.0008 ppm	-0.0011 ppm	0.0023 ppm
Recovery Percentage	-2.984 %	1.226 %	7.895 %	0.152 %	-1.748 %	-7.104 %	-1.586 %
Concentration RSD	43.5 %	79.3 %	7.9 %	42.6 %	82.8 %	62.5 %	476.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0077 ppm	0.0159 ppm	-0.0006 ppm	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0081 ppm	0.0160 ppm	-0.0007 ppm	0.0000 ppm	-0.0001 ppm	0.0005 ppm	-0.0003 ppm
Concentration per Run	0.0066 ppm	0.0147 ppm	-0.0013 ppm	0.0000 ppm	-0.0003 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run	0.0084 ppm	0.0169 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm
Recovery Percentage	77.090 %	3.175 %	-1.218 %	0.207 %	-1.707 %	-0.342 %	-1.592 %
Concentration RSD	12.2 %	7.1 %	128.3 %	93.2 %	86.8 %	1,210.6 %	131.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	92.2739 %	101.3267 %	94.5608 %	94.1500 %	105.3760 %	95.6972 %
Concentration per Run	0.0003 ppm	92.2771 %	101.4483 %	94.1179 %	94.4302 %	106.0089 %	95.3356 %
Concentration per Run	0.0002 ppm	91.9607 %	101.2939 %	94.6148 %	93.5467 %	104.6793 %	95.7605 %
Concentration per Run	-0.0001 ppm	92.5839 %	101.2378 %	94.9497 %	94.4731 %	105.4398 %	95.9954 %
Recovery Percentage	3.135 %						
Concentration RSD	132.4 %	0.3 %	0.1 %	0.4 %	0.6 %	0.6 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539735-01d2 WG2085573
Analysis started at: 7/1/2025 1:37:07 PM
Rack 1
Vial 56
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0029 ppm	76.0161 ppm	0.0582 ppm	0.0045 ppm	0.3771 ppm	0.0071 ppm	98.5247 ppm
Concentration per Run	0.0025 ppm	75.8975 ppm	0.0577 ppm	0.0043 ppm	0.3764 ppm	0.0071 ppm	98.2802 ppm
Concentration per Run	0.0029 ppm	76.3314 ppm	0.0579 ppm	0.0046 ppm	0.3776 ppm	0.0071 ppm	98.9395 ppm
Concentration per Run	0.0034 ppm	75.8194 ppm	0.0591 ppm	0.0045 ppm	0.3772 ppm	0.0070 ppm	98.3542 ppm
Concentration RSD	14.5 %	0.4 %	1.3 %	3.6 %	0.2 %	1.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0006 ppm	0.0516 ppm	0.1032 ppm	0.1127 ppm	219.1062 ppm	6.6539 ppm	0.0857 ppm
Concentration per Run	-0.0007 ppm	0.0513 ppm	0.1033 ppm	0.1124 ppm	218.4777 ppm	6.6691 ppm	0.0867 ppm
Concentration per Run	-0.0007 ppm	0.0520 ppm	0.1047 ppm	0.1130 ppm	220.7396 ppm	6.7005 ppm	0.0859 ppm
Concentration per Run	-0.0005 ppm	0.0517 ppm	0.1017 ppm	0.1125 ppm	218.1013 ppm	6.5922 ppm	0.0843 ppm
Concentration RSD	13.9 %	0.7 %	1.4 %	0.3 %	0.7 %	0.8 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	81.1205 ppm	3.3423 ppm	0.0026 ppm	0.8095 ppm	0.1069 ppm	0.0803 ppm	0.0090 ppm
Concentration per Run	81.1547 ppm	3.3378 ppm	0.0025 ppm	0.8080 ppm	0.1064 ppm	0.0805 ppm	0.0087 ppm
Concentration per Run	82.3163 ppm	3.3595 ppm	0.0031 ppm	0.8200 ppm	0.1090 ppm	0.0796 ppm	0.0095 ppm
Concentration per Run	79.8907 ppm	3.3294 ppm	0.0021 ppm	0.8003 ppm	0.1052 ppm	0.0808 ppm	0.0088 ppm
Concentration RSD	1.5 %	0.5 %	18.8 %	1.2 %	1.8 %	0.8 %	4.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	3.5193 ppm	0.0064 ppm	0.0603 ppm	1.6464 ppm	0.0041 ppm	0.2014 ppm
Concentration per Run	0.0026 ppm	3.4985 ppm	0.0064 ppm	0.0606 ppm	1.6507 ppm	0.0051 ppm	0.2014 ppm
Concentration per Run	0.0027 ppm	3.5661 ppm	0.0066 ppm	0.0603 ppm	1.6623 ppm	0.0040 ppm	0.2032 ppm
Concentration per Run	0.0041 ppm	3.4934 ppm	0.0061 ppm	0.0601 ppm	1.6261 ppm	0.0031 ppm	0.1997 ppm
Concentration RSD	26.7 %	1.2 %	3.7 %	0.4 %	1.1 %	25.5 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4112 ppm	106.4240 %	108.8655 %	95.9381 %	**155.8538 %**	**163.9184 %**	**153.2607 %**
Concentration per Run	0.4078 ppm	106.4560 %	109.4889 %	95.6980 %	**156.2839 %**	**164.8589 %**	**152.3659 %**
Concentration per Run	0.4167 ppm	105.7401 %	108.0705 %	96.3079 %	**155.0534 %**	**164.3109 %**	**154.2505 %**
Concentration per Run	0.4092 ppm	107.0758 %	109.0371 %	95.8085 %	**156.2241 %**	**162.5854 %**	**153.1658 %**
Concentration RSD	1.2 %	0.6 %	0.7 %	0.3 %	**0.4 %**	**0.7 %**	**0.6 %**

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539762-01d2 WG2085573
Analysis started at: 7/1/2025 1:40:45 PM
Rack 1
Vial 57
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	44.5913 ppm	0.0479 ppm	0.0219 ppm	1.1054 ppm	0.0021 ppm	17.8975 ppm
Concentration per Run	0.0013 ppm	44.6755 ppm	0.0490 ppm	0.0232 ppm	1.1031 ppm	0.0021 ppm	17.9156 ppm
Concentration per Run	0.0003 ppm	44.6486 ppm	0.0472 ppm	0.0210 ppm	1.1074 ppm	0.0021 ppm	17.7219 ppm
Concentration per Run	0.0006 ppm	44.4498 ppm	0.0477 ppm	0.0214 ppm	1.1056 ppm	0.0021 ppm	18.0550 ppm
Concentration RSD	74.0 %	0.3 %	2.0 %	5.5 %	0.2 %	0.5 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0002 ppm	0.0443 ppm	0.0563 ppm	0.1080 ppm	96.5857 ppm	5.9735 ppm	0.1070 ppm
Concentration per Run	0.0003 ppm	0.0440 ppm	0.0560 ppm	0.1074 ppm	96.6937 ppm	5.9853 ppm	0.1072 ppm
Concentration per Run	0.0001 ppm	0.0446 ppm	0.0569 ppm	0.1082 ppm	96.2682 ppm	5.9679 ppm	0.1056 ppm
Concentration per Run	0.0002 ppm	0.0444 ppm	0.0561 ppm	0.1082 ppm	96.7953 ppm	5.9673 ppm	0.1081 ppm
Concentration RSD	63.2 %	0.7 %	0.9 %	0.4 %	0.3 %	0.2 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	20.9575 ppm	5.3115 ppm	0.0013 ppm	0.5440 ppm	0.0963 ppm	0.0909 ppm	0.0040 ppm
Concentration per Run	20.9631 ppm	5.3181 ppm	0.0013 ppm	0.5440 ppm	0.0965 ppm	0.0897 ppm	0.0081 ppm
Concentration per Run	21.1074 ppm	5.2910 ppm	0.0015 ppm	0.5430 ppm	0.0960 ppm	0.0920 ppm	-0.0010 ppm
Concentration per Run	20.8020 ppm	5.3252 ppm	0.0010 ppm	0.5450 ppm	0.0965 ppm	0.0911 ppm	0.0050 ppm
Concentration RSD	0.7 %	0.3 %	20.2 %	0.2 %	0.3 %	1.3 %	113.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	5.8843 ppm	0.0044 ppm	0.0717 ppm	0.3324 ppm	-0.0002 ppm	0.0594 ppm
Concentration per Run	0.0045 ppm	5.9025 ppm	0.0042 ppm	0.0714 ppm	0.3259 ppm	-0.0007 ppm	0.0597 ppm
Concentration per Run	0.0026 ppm	5.9076 ppm	0.0047 ppm	0.0721 ppm	0.3380 ppm	-0.0005 ppm	0.0597 ppm
Concentration per Run	0.0037 ppm	5.8427 ppm	0.0044 ppm	0.0716 ppm	0.3333 ppm	0.0006 ppm	0.0588 ppm
Concentration RSD	26.6 %	0.6 %	5.5 %	0.5 %	1.8 %	320.8 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3587 ppm	95.0174 %	103.7727 %	92.3055 %	105.2184 %	117.9832 %	106.0135 %
Concentration per Run	0.3598 ppm	94.8938 %	103.7485 %	92.0293 %	104.9385 %	118.3746 %	105.6430 %
Concentration per Run	0.3603 ppm	94.4565 %	104.3124 %	92.6398 %	105.3048 %	118.3177 %	106.6326 %
Concentration per Run	0.3561 ppm	95.7019 %	103.2571 %	92.2474 %	105.4118 %	117.2573 %	105.7648 %
Concentration RSD	0.6 %	0.7 %	0.5 %	0.3 %	0.2 %	0.5 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539763-01d2 WG2085573
Analysis started at: 7/1/2025 1:44:10 PM
Rack 1
Vial 58
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	80.2197 ppm	0.0542 ppm	0.0162 ppm	0.2747 ppm	0.0039 ppm	51.8892 ppm
Concentration per Run	0.0011 ppm	79.9423 ppm	0.0532 ppm	0.0161 ppm	0.2717 ppm	0.0039 ppm	51.6703 ppm
Concentration per Run	0.0013 ppm	80.5493 ppm	0.0553 ppm	0.0161 ppm	0.2750 ppm	0.0039 ppm	51.7411 ppm
Concentration per Run	0.0009 ppm	80.1676 ppm	0.0542 ppm	0.0162 ppm	0.2775 ppm	0.0039 ppm	52.2563 ppm
Concentration RSD	16.9 %	0.4 %	2.0 %	0.2 %	1.1 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0871 ppm	0.1157 ppm	0.2135 ppm	169.6651 ppm	6.5042 ppm	0.1505 ppm
Concentration per Run	-0.0007 ppm	0.0877 ppm	0.1155 ppm	0.2141 ppm	169.5681 ppm	6.4884 ppm	0.1496 ppm
Concentration per Run	-0.0009 ppm	0.0867 ppm	0.1152 ppm	0.2131 ppm	170.2114 ppm	6.5200 ppm	0.1506 ppm
Concentration per Run	-0.0007 ppm	0.0870 ppm	0.1164 ppm	0.2133 ppm	169.2159 ppm	6.5042 ppm	0.1513 ppm
Concentration RSD	15.8 %	0.6 %	0.5 %	0.3 %	0.3 %	0.2 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	46.6213 ppm	5.6705 ppm	0.0037 ppm	1.0331 ppm	0.1747 ppm	0.1058 ppm	0.0056 ppm
Concentration per Run	46.4733 ppm	5.6691 ppm	0.0039 ppm	1.0277 ppm	0.1736 ppm	0.1075 ppm	0.0063 ppm
Concentration per Run	46.8293 ppm	5.6741 ppm	0.0033 ppm	1.0414 ppm	0.1763 ppm	0.1052 ppm	0.0042 ppm
Concentration per Run	46.5614 ppm	5.6682 ppm	0.0039 ppm	1.0302 ppm	0.1743 ppm	0.1047 ppm	0.0063 ppm
Concentration RSD	0.4 %	0.1 %	10.1 %	0.7 %	0.8 %	1.4 %	21.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	13.9924 [SIC 200]	0.0046 ppm	0.1291 ppm	0.7915 ppm	0.0013 ppm	0.1218 ppm
Concentration per Run	0.0031 ppm	14.1235 ppm	0.0046 ppm	0.1285 ppm	0.7797 ppm	0.0025 ppm	0.1218 ppm
Concentration per Run	-0.0013 ppm	13.9044 ppm	0.0058 ppm	0.1292 ppm	0.7922 ppm	0.0008 ppm	0.1221 ppm
Concentration per Run	0.0055 ppm	13.9492 ppm	0.0036 ppm	0.1296 ppm	0.8026 ppm	0.0006 ppm	0.1215 ppm
Concentration RSD	141.5 %	0.8 %	23.4 %	0.4 %	1.4 %	78.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5038 ppm	95.8850 %	103.3617 %	92.7443 %	117.1283 %	145.7138 %	119.1495 %
Concentration per Run	0.5055 ppm	95.7806 %	103.3587 %	92.4214 %	117.0952 %	147.4535 %	118.6123 %
Concentration per Run	0.5034 ppm	95.7099 %	102.8128 %	92.9972 %	117.1043 %	146.3852 %	119.5694 %
Concentration per Run	0.5025 ppm	96.1646 %	103.9138 %	92.8142 %	117.1855 %	143.3028 %	119.2668 %
Concentration RSD	0.3 %	0.3 %	0.5 %	0.3 %	0.0 %	1.5 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539764-01d2 WG2085573
Analysis started at: 7/1/2025 1:47:35 PM
Rack 1
Vial 59
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0008 ppm	47.7206 ppm	0.0330 ppm	0.0179 ppm	0.3905 ppm	0.0022 ppm	78.7605 ppm
Concentration per Run	0.0011 ppm	47.7399 ppm	0.0317 ppm	0.0176 ppm	0.3900 ppm	0.0022 ppm	78.7519 ppm
Concentration per Run	0.0005 ppm	47.8260 ppm	0.0341 ppm	0.0190 ppm	0.3891 ppm	0.0022 ppm	78.7139 ppm
Concentration per Run	0.0007 ppm	47.5958 ppm	0.0331 ppm	0.0171 ppm	0.3925 ppm	0.0022 ppm	78.8157 ppm
Concentration RSD	40.4 %	0.2 %	3.6 %	5.6 %	0.5 %	1.0 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0466 ppm	0.0580 ppm	0.0998 ppm	100.8003 ppm	5.6456 ppm	0.1130 ppm
Concentration per Run	-0.0003 ppm	0.0465 ppm	0.0579 ppm	0.0995 ppm	100.9781 ppm	5.6586 ppm	0.1136 ppm
Concentration per Run	-0.0002 ppm	0.0474 ppm	0.0586 ppm	0.1001 ppm	100.8034 ppm	5.6617 ppm	0.1122 ppm
Concentration per Run	-0.0002 ppm	0.0459 ppm	0.0577 ppm	0.0998 ppm	100.6193 ppm	5.6163 ppm	0.1132 ppm
Concentration RSD	26.5 %	1.7 %	0.9 %	0.3 %	0.2 %	0.4 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	56.5858 ppm	3.0619 ppm	0.0010 ppm	0.4792 ppm	0.0996 ppm	0.0799 ppm	0.0028 ppm
Concentration per Run	56.5555 ppm	3.0591 ppm	0.0011 ppm	0.4751 ppm	0.0998 ppm	0.0802 ppm	0.0052 ppm
Concentration per Run	56.8320 ppm	3.0643 ppm	0.0013 ppm	0.4839 ppm	0.0996 ppm	0.0796 ppm	0.0034 ppm
Concentration per Run	56.3699 ppm	3.0624 ppm	0.0006 ppm	0.4786 ppm	0.0996 ppm	0.0800 ppm	-0.0001 ppm
Concentration RSD	0.4 %	0.1 %	38.9 %	0.9 %	0.1 %	0.3 %	94.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0031 ppm	7.3397 ppm	0.0043 ppm	0.1042 ppm	0.3648 ppm	0.0012 ppm	0.0618 ppm
Concentration per Run	0.0017 ppm	7.3514 ppm	0.0042 ppm	0.1038 ppm	0.3660 ppm	0.0016 ppm	0.0622 ppm
Concentration per Run	0.0070 ppm	7.3711 ppm	0.0044 ppm	0.1044 ppm	0.3680 ppm	0.0015 ppm	0.0617 ppm
Concentration per Run	0.0006 ppm	7.2964 ppm	0.0043 ppm	0.1045 ppm	0.3605 ppm	0.0004 ppm	0.0614 ppm
Concentration RSD	110.6 %	0.5 %	1.9 %	0.4 %	1.1 %	56.8 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3548 ppm	94.1735 %	102.8124 %	90.2182 %	104.8610 %	117.6668 %	105.0552 %
Concentration per Run	0.3546 ppm	94.3930 %	103.1652 %	89.7667 %	105.2988 %	118.1270 %	104.8601 %
Concentration per Run	0.3553 ppm	93.8960 %	102.6760 %	90.3426 %	103.6810 %	117.8744 %	105.0754 %
Concentration per Run	0.3544 ppm	94.2314 %	102.5960 %	90.5452 %	105.6031 %	116.9989 %	105.2299 %
Concentration RSD	0.1 %	0.3 %	0.3 %	0.4 %	1.0 %	0.5 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540838-02d2 WG2085573
Analysis started at: 7/1/2025 1:51:00 PM
Rack 1
Vial 60
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	27.5348 ppm	0.0697 ppm	0.0930 ppm	0.2961 ppm	0.0027 ppm	14.2477 ppm
Concentration per Run	0.0029 ppm	27.6630 ppm	0.0697 ppm	0.0935 ppm	0.2963 ppm	0.0027 ppm	14.2685 ppm
Concentration per Run	0.0024 ppm	27.4856 ppm	0.0712 ppm	0.0923 ppm	0.2975 ppm	0.0027 ppm	14.2185 ppm
Concentration per Run	0.0023 ppm	27.4558 ppm	0.0681 ppm	0.0931 ppm	0.2946 ppm	0.0027 ppm	14.2561 ppm
Concentration RSD	12.3 %	0.4 %	2.3 %	0.7 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0003 ppm	0.0193 ppm	0.1496 ppm	0.1569 ppm	195.2962 ppm	3.1418 ppm	0.0254 ppm
Concentration per Run	0.0003 ppm	0.0190 ppm	0.1512 ppm	0.1582 ppm	195.5139 ppm	3.1563 ppm	0.0258 ppm
Concentration per Run	0.0002 ppm	0.0193 ppm	0.1491 ppm	0.1563 ppm	194.9393 ppm	3.1427 ppm	0.0252 ppm
Concentration per Run	0.0003 ppm	0.0195 ppm	0.1486 ppm	0.1564 ppm	195.4354 ppm	3.1262 ppm	0.0253 ppm
Concentration RSD	32.1 %	1.5 %	0.9 %	0.7 %	0.2 %	0.5 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.8624 ppm	0.5602 ppm	0.0072 ppm	86.7234 ppm	0.0452 ppm	0.5225 ppm	0.0075 ppm
Concentration per Run	6.9828 ppm	0.5628 ppm	0.0068 ppm	86.9615 ppm	0.0452 ppm	0.5214 ppm	0.0061 ppm
Concentration per Run	6.7840 ppm	0.5588 ppm	0.0074 ppm	86.2133 ppm	0.0455 ppm	0.5223 ppm	0.0045 ppm
Concentration per Run	6.8203 ppm	0.5591 ppm	0.0074 ppm	86.9953 ppm	0.0449 ppm	0.5236 ppm	0.0119 ppm
Concentration RSD	1.5 %	0.4 %	5.2 %	0.5 %	0.7 %	0.2 %	51.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	4.4854 ppm	0.0576 ppm	0.1264 ppm	1.0654 ppm	0.0030 ppm	0.2196 ppm
Concentration per Run	0.0058 ppm	4.4941 ppm	0.0583 ppm	0.1271 ppm	1.0821 ppm	0.0025 ppm	0.2218 ppm
Concentration per Run	0.0069 ppm	4.4838 ppm	0.0563 ppm	0.1255 ppm	1.0582 ppm	0.0031 ppm	0.2188 ppm
Concentration per Run	0.0035 ppm	4.4784 ppm	0.0582 ppm	0.1264 ppm	1.0558 ppm	0.0033 ppm	0.2183 ppm
Concentration RSD	32.1 %	0.2 %	2.0 %	0.6 %	1.4 %	15.0 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6225 ppm	96.5930 %	106.1325 %	91.7961 %	108.7579 %	123.0187 %	109.7135 %
Concentration per Run	0.6290 ppm	96.0150 %	106.2600 %	92.3219 %	108.7851 %	123.1432 %	110.2886 %
Concentration per Run	0.6214 ppm	96.2979 %	106.5171 %	91.0104 %	107.3113 %	122.8899 %	108.7658 %
Concentration per Run	0.6170 ppm	97.4661 %	105.6202 %	92.0560 %	110.1772 %	123.0229 %	110.0860 %
Concentration RSD	1.0 %	0.8 %	0.4 %	0.8 %	1.3 %	0.1 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540838-03d2 WG2085573
Analysis started at: 7/1/2025 1:54:26 PM
Rack 2
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0031 ppm	40.6614 ppm	0.3199 ppm	0.0253 ppm	0.1265 ppm	0.0051 ppm	3.0644 ppm
Concentration per Run	0.0035 ppm	40.8755 ppm	0.3191 ppm	0.0251 ppm	0.1268 ppm	0.0051 ppm	3.0411 ppm
Concentration per Run	0.0029 ppm	40.6418 ppm	0.3234 ppm	0.0249 ppm	0.1263 ppm	0.0051 ppm	3.0732 ppm
Concentration per Run	0.0029 ppm	40.4668 ppm	0.3172 ppm	0.0260 ppm	0.1263 ppm	0.0051 ppm	3.0790 ppm
Concentration RSD	11.0 %	0.5 %	1.0 %	2.2 %	0.2 %	0.4 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0013 ppm	0.0512 ppm	0.3686 ppm	0.0440 ppm	249.1388 ppm	4.5337 ppm	0.0146 ppm
Concentration per Run	-0.0013 ppm	0.0515 ppm	0.3696 ppm	0.0438 ppm	247.6388 ppm	4.5997 ppm	0.0155 ppm
Concentration per Run	-0.0013 ppm	0.0511 ppm	0.3658 ppm	0.0445 ppm	250.1445 ppm	4.5070 ppm	0.0141 ppm
Concentration per Run	-0.0013 ppm	0.0511 ppm	0.3704 ppm	0.0437 ppm	249.6331 ppm	4.4943 ppm	0.0142 ppm
Concentration RSD	1.8 %	0.5 %	0.7 %	1.0 %	0.5 %	1.3 %	5.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.9020 ppm	0.7676 ppm	0.0034 ppm	17.8428 ppm	0.0462 ppm	0.1717 ppm	0.0112 ppm
Concentration per Run	2.9155 ppm	0.7645 ppm	0.0032 ppm	18.2198 ppm	0.0468 ppm	0.1719 ppm	0.0091 ppm
Concentration per Run	2.8828 ppm	0.7693 ppm	0.0034 ppm	17.6994 ppm	0.0453 ppm	0.1725 ppm	0.0114 ppm
Concentration per Run	2.9076 ppm	0.7690 ppm	0.0038 ppm	17.6092 ppm	0.0464 ppm	0.1706 ppm	0.0130 ppm
Concentration RSD	0.6 %	0.3 %	8.7 %	1.8 %	1.7 %	0.6 %	17.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0082 ppm	4.0692 ppm	0.0083 ppm	0.0252 ppm	0.7463 ppm	0.0031 ppm	0.6318 ppm
Concentration per Run	0.0078 ppm	4.0942 ppm	0.0078 ppm	0.0255 ppm	0.7467 ppm	0.0034 ppm	0.6335 ppm
Concentration per Run	0.0078 ppm	4.0557 ppm	0.0081 ppm	0.0252 ppm	0.7391 ppm	0.0031 ppm	0.6300 ppm
Concentration per Run	0.0091 ppm	4.0578 ppm	0.0090 ppm	0.0249 ppm	0.7530 ppm	0.0027 ppm	0.6318 ppm
Concentration RSD	9.1 %	0.5 %	7.4 %	1.1 %	0.9 %	12.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4755 ppm	98.8155 %	107.7050 %	94.1626 %	113.0294 %	126.4620 %	113.6811 %
Concentration per Run	0.4788 ppm	98.5499 %	108.3727 %	93.9867 %	112.5547 %	128.6961 %	113.8022 %
Concentration per Run	0.4747 ppm	99.0226 %	107.4100 %	93.7810 %	112.6301 %	125.3292 %	113.3550 %
Concentration per Run	0.4731 ppm	98.8741 %	107.3321 %	94.7199 %	113.9035 %	125.3607 %	113.8860 %
Concentration RSD	0.6 %	0.2 %	0.5 %	0.5 %	0.7 %	1.5 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 1:57:50 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5137 ppm	0.4837 ppm	0.4860 ppm	0.5142 ppm	0.5090 ppm	0.5117 ppm	0.4877 ppm
Concentration per Run	0.5158 ppm	0.4802 ppm	0.4857 ppm	0.5156 ppm	0.5093 ppm	0.5129 ppm	0.4952 ppm
Concentration per Run	0.5126 ppm	0.4870 ppm	0.4834 ppm	0.5118 ppm	0.5087 ppm	0.5114 ppm	0.4859 ppm
Concentration per Run	0.5128 ppm	0.4841 ppm	0.4891 ppm	0.5153 ppm	0.5090 ppm	0.5108 ppm	0.4820 ppm
Recovery Percentage	102.748 %	96.749 %	97.206 %	102.844 %	101.793 %	102.338 %	97.536 %
Concentration RSD	0.4 %	0.7 %	0.6 %	0.4 %	0.1 %	0.2 %	1.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4904 ppm	0.5076 ppm	0.5230 ppm	0.5180 ppm	0.5379 ppm	5.3545 ppm	0.5186 ppm
Concentration per Run	0.4938 ppm	0.5096 ppm	0.5225 ppm	0.5199 ppm	0.5379 ppm	5.3100 ppm	0.5125 ppm
Concentration per Run	0.4888 ppm	0.5066 ppm	0.5216 ppm	0.5165 ppm	0.5382 ppm	5.3640 ppm	0.5229 ppm
Concentration per Run	0.4886 ppm	0.5067 ppm	0.5248 ppm	0.5177 ppm	0.5378 ppm	5.3894 ppm	0.5205 ppm
Recovery Percentage	98.083 %	101.528 %	104.596 %	103.607 %	107.588 %	107.090 %	103.725 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.3 %	0.0 %	0.8 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5195 ppm	0.4991 ppm	0.4878 ppm	10.8742 ppm	0.5213 ppm	0.4921 ppm	0.5062 ppm
Concentration per Run	0.5194 ppm	0.5010 ppm	0.4886 ppm	10.8088 ppm	0.5221 ppm	0.4926 ppm	0.5059 ppm
Concentration per Run	0.5168 ppm	0.4976 ppm	0.4853 ppm	10.8725 ppm	0.5217 ppm	0.4908 ppm	0.5000 ppm
Concentration per Run	0.5224 ppm	0.4988 ppm	0.4895 ppm	10.9415 ppm	0.5200 ppm	0.4930 ppm	0.5125 ppm
Recovery Percentage	103.904 %	99.828 %	97.558 %	108.742 %	104.254 %	98.426 %	101.232 %
Concentration RSD	0.5 %	0.3 %	0.5 %	0.6 %	0.2 %	0.2 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5030 ppm	5.5952 ppm	0.5260 ppm	0.5137 ppm	0.5222 ppm	0.4953 ppm	0.5172 ppm
Concentration per Run	0.5034 ppm	5.6140 ppm	0.5254 ppm	0.5149 ppm	0.5218 ppm	0.4948 ppm	0.5194 ppm
Concentration per Run	0.4990 ppm	5.5738 ppm	0.5256 ppm	0.5136 ppm	0.5203 ppm	0.4926 ppm	0.5154 ppm
Concentration per Run	0.5064 ppm	5.5977 ppm	0.5269 ppm	0.5127 ppm	0.5244 ppm	0.4985 ppm	0.5169 ppm
Recovery Percentage	100.592 %	106.574 %	105.194 %	102.748 %	104.436 %	99.063 %	103.450 %
Concentration RSD	0.7 %	0.4 %	0.1 %	0.2 %	0.4 %	0.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5144 ppm	95.1805 %	102.6039 %	94.5332 %	95.5523 %	105.3926 %	95.4483 %
Concentration per Run	0.5170 ppm	95.1273 %	102.3821 %	93.7287 %	95.3883 %	104.6842 %	94.7294 %
Concentration per Run	0.5127 ppm	95.1547 %	102.4983 %	95.0187 %	95.7777 %	105.6241 %	95.7157 %
Concentration per Run	0.5136 ppm	95.2593 %	102.9313 %	94.8523 %	95.4909 %	105.8694 %	95.8998 %
Recovery Percentage	102.884 %						
Concentration RSD	0.4 %	0.1 %	0.3 %	0.7 %	0.2 %	0.6 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 2:01:14 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	-0.0047 ppm	-0.0005 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run	-0.0012 ppm	-0.0017 ppm	0.0007 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm	0.0042 ppm
Concentration per Run	-0.0010 ppm	-0.0055 ppm	-0.0007 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run	-0.0006 ppm	-0.0069 ppm	-0.0015 ppm	0.0017 ppm	0.0000 ppm	0.0001 ppm	0.0029 ppm
Recovery Percentage	-18.746 %	-4.724 %	-10.008 %	6.269 %	0.629 %	1.281 %	4.631 %
Concentration RSD	31.5 %	56.8 %	221.8 %	12.9 %	28.2 %	29.2 %	42.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0012 ppm	0.0066 ppm	-0.0001 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	0.0057 ppm	0.0035 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	0.0003 ppm	0.0009 ppm	0.0076 ppm	-0.0144 ppm	0.0001 ppm
Concentration per Run	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0012 ppm	0.0066 ppm	0.0105 ppm	-0.0003 ppm
Recovery Percentage	1.077 %	-1.514 %	4.012 %	12.164 %	13.197 %	-0.006 %	-1.607 %
Concentration RSD	80.2 %	387.3 %	15.6 %	26.3 %	14.3 %	8,586.1 %	144.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0016 ppm	0.0001 ppm	0.0039 ppm	0.0082 ppm	-0.0003 ppm	-0.0017 ppm	0.0003 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0039 ppm	0.0076 ppm	-0.0003 ppm	-0.0011 ppm	0.0017 ppm
Concentration per Run	0.0005 ppm	0.0002 ppm	0.0042 ppm	0.0075 ppm	-0.0003 ppm	-0.0015 ppm	-0.0011 ppm
Concentration per Run	-0.0034 ppm	0.0000 ppm	0.0034 ppm	0.0093 ppm	-0.0004 ppm	-0.0023 ppm	0.0003 ppm
Recovery Percentage	-1.587 %	0.757 %	7.721 %	0.408 %	-1.349 %	-16.575 %	0.628 %
Concentration RSD	123.5 %	127.0 %	9.9 %	12.3 %	22.4 %	36.5 %	440.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0093 ppm	0.0083 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	0.0083 ppm	0.0089 ppm	-0.0004 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0094 ppm	0.0089 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run	0.0101 ppm	0.0071 ppm	0.0010 ppm	0.0000 ppm	0.0001 ppm	-0.0010 ppm	0.0002 ppm
Recovery Percentage	92.679 %	1.659 %	0.336 %	0.352 %	0.243 %	-0.950 %	0.536 %
Concentration RSD	10.2 %	12.4 %	417.4 %	45.6 %	1,336.8 %	375.5 %	289.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	93.0887 %	101.5173 %	94.0262 %	94.7700 %	105.2886 %	95.4647 %
Concentration per Run	0.0003 ppm	93.5350 %	102.4466 %	93.6011 %	95.0927 %	105.5014 %	95.2197 %
Concentration per Run	0.0000 ppm	92.6406 %	101.2885 %	94.1848 %	94.6796 %	104.0824 %	95.5234 %
Concentration per Run	0.0002 ppm	93.0904 %	100.8168 %	94.2929 %	94.5378 %	106.2821 %	95.6512 %
Recovery Percentage	3.455 %						
Concentration RSD	82.4 %	0.5 %	0.8 %	0.4 %	0.3 %	1.1 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085680-1 WG2085680
Analysis started at: 7/1/2025 2:19:25 PM
Rack 2
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0001 ppm	-0.0005 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0146 ppm
Concentration per Run	-0.0011 ppm	-0.0026 ppm	-0.0005 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0148 ppm
Concentration per Run	-0.0012 ppm	-0.0009 ppm	0.0017 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run	-0.0003 ppm	0.0037 ppm	-0.0027 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0133 ppm
Recovery Percentage	-16.638 %	0.066 %	-10.101 %	2.652 %	0.348 %	0.310 %	14.644 %
Concentration RSD	59.6 %	4,939.0 %	444.5 %	63.1 %	30.4 %	99.1 %	8.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0007 ppm	0.0012 ppm	0.0012 ppm	0.0194 ppm	0.0169 ppm	0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0009 ppm	0.0014 ppm	0.0012 ppm	0.0200 ppm	0.0209 ppm	0.0008 ppm
Concentration per Run	-0.0002 ppm	-0.0010 ppm	0.0010 ppm	0.0009 ppm	0.0189 ppm	0.0215 ppm	0.0003 ppm
Concentration per Run	-0.0001 ppm	-0.0003 ppm	0.0011 ppm	0.0014 ppm	0.0194 ppm	0.0083 ppm	0.0005 ppm
Recovery Percentage	-2.067 %	-7.474 %	11.550 %	11.620 %	38.795 %	0.677 %	5.293 %
Concentration RSD	153.1 %	49.1 %	16.6 %	22.1 %	2.8 %	44.2 %	45.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0020 ppm	0.0005 ppm	0.0010 ppm	0.0180 ppm	-0.0008 ppm	-0.0008 ppm	0.0012 ppm
Concentration per Run	0.0030 ppm	0.0005 ppm	0.0015 ppm	0.0178 ppm	-0.0011 ppm	-0.0003 ppm	0.0020 ppm
Concentration per Run	-0.0006 ppm	0.0006 ppm	0.0008 ppm	0.0176 ppm	-0.0004 ppm	-0.0018 ppm	-0.0014 ppm
Concentration per Run	0.0037 ppm	0.0004 ppm	0.0007 ppm	0.0185 ppm	-0.0007 ppm	-0.0002 ppm	0.0031 ppm
Recovery Percentage	2.022 %	5.007 %	1.983 %	0.898 %	-3.041 %	-7.517 %	2.470 %
Concentration RSD	115.4 %	15.4 %	45.8 %	2.6 %	48.5 %	119.7 %	186.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0039 ppm	0.0238 ppm	0.0083 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	-0.0004 ppm
Concentration per Run	0.0033 ppm	0.0256 ppm	0.0090 ppm	0.0000 ppm	0.0005 ppm	-0.0017 ppm	-0.0003 ppm
Concentration per Run	0.0056 ppm	0.0222 ppm	0.0074 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run	0.0029 ppm	0.0237 ppm	0.0084 ppm	0.0000 ppm	0.0003 ppm	0.0010 ppm	-0.0004 ppm
Recovery Percentage	39.173 %	4.766 %	16.526 %	-0.231 %	4.339 %	-1.379 %	-3.812 %
Concentration RSD	36.9 %	7.3 %	10.2 %	69.7 %	28.9 %	491.1 %	10.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0025 ppm	103.1873 %	103.1977 %	98.9711 %	103.7685 %	104.3465 %	101.1609 %
Concentration per Run	0.0023 ppm	103.2700 %	103.4009 %	99.3845 %	103.7250 %	104.9024 %	101.2858 %
Concentration per Run	0.0027 ppm	103.1708 %	103.3331 %	98.8028 %	104.1389 %	104.1825 %	101.1443 %
Concentration per Run	0.0025 ppm	103.1211 %	102.8591 %	98.7261 %	103.4415 %	103.9544 %	101.0526 %
Recovery Percentage	50.170 %						
Concentration RSD	7.2 %	0.1 %	0.3 %	0.4 %	0.3 %	0.5 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085680-2D2 WG2085680
Analysis started at: 7/1/2025 2:23:05 PM
Rack 2
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0521 ppm	2.0367 ppm	0.1229 ppm	1.0706 ppm	2.0777 ppm	0.0520 ppm	10.2178 ppm
Concentration per Run	0.0522 ppm	2.0372 ppm	0.1210 ppm	1.0680 ppm	2.0805 ppm	0.0522 ppm	10.2174 ppm
Concentration per Run	0.0517 ppm	2.0260 ppm	0.1259 ppm	1.0675 ppm	2.0657 ppm	0.0515 ppm	10.1123 ppm
Concentration per Run	0.0523 ppm	2.0467 ppm	0.1217 ppm	1.0764 ppm	2.0870 ppm	0.0523 ppm	10.3236 ppm
Concentration RSD	0.7 %	0.5 %	2.2 %	0.5 %	0.5 %	0.8 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0527 ppm	0.5140 ppm	0.2091 ppm	0.2673 ppm	1.0668 ppm	11.1195 ppm	0.0001 ppm
Concentration per Run	0.0527 ppm	0.5149 ppm	0.2098 ppm	0.2670 ppm	1.0632 ppm	11.2045 ppm	-0.0005 ppm
Concentration per Run	0.0527 ppm	0.5122 ppm	0.2065 ppm	0.2665 ppm	1.0593 ppm	11.0504 ppm	-0.0002 ppm
Concentration per Run	0.0528 ppm	0.5150 ppm	0.2111 ppm	0.2683 ppm	1.0780 ppm	11.1036 ppm	0.0009 ppm
Concentration RSD	0.1 %	0.3 %	1.1 %	0.4 %	0.9 %	0.7 %	1,122.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.7435 ppm	0.5037 ppm	1.0319 ppm	11.7550 ppm	0.5283 ppm	0.5345 ppm	0.5054 ppm
Concentration per Run	10.8255 ppm	0.5040 ppm	1.0266 ppm	11.7902 ppm	0.5281 ppm	0.5365 ppm	0.5028 ppm
Concentration per Run	10.5807 ppm	0.4993 ppm	1.0307 ppm	11.7331 ppm	0.5264 ppm	0.5358 ppm	0.5103 ppm
Concentration per Run	10.8242 ppm	0.5078 ppm	1.0383 ppm	11.7418 ppm	0.5305 ppm	0.5310 ppm	0.5033 ppm
Concentration RSD	1.3 %	0.8 %	0.6 %	0.3 %	0.4 %	0.6 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1258 ppm	1.1693 ppm	1.0802 [SIC 50]	1.0481 ppm	1.0851 ppm	0.1234 ppm	0.5252 ppm
Concentration per Run	0.1263 ppm	1.1610 ppm	1.0763 ppm	1.0517 ppm	1.0852 ppm	0.1229 ppm	0.5267 ppm
Concentration per Run	0.1245 ppm	1.1735 ppm	1.0788 ppm	1.0395 ppm	1.0741 ppm	0.1255 ppm	0.5224 ppm
Concentration per Run	0.1267 ppm	1.1735 ppm	1.0855 ppm	1.0530 ppm	1.0961 ppm	0.1217 ppm	0.5265 ppm
Concentration RSD	1.0 %	0.6 %	0.4 %	0.7 %	1.0 %	1.6 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5246 ppm	94.7161 %	102.7216 %	92.3288 %	94.3032 %	104.8527 %	94.4274 %
Concentration per Run	0.5237 ppm	94.2623 %	102.3462 %	92.2751 %	93.9267 %	104.6640 %	94.2710 %
Concentration per Run	0.5263 ppm	94.8599 %	103.8487 %	92.0099 %	94.2852 %	106.1595 %	94.1096 %
Concentration per Run	0.5238 ppm	95.0261 %	101.9698 %	92.7014 %	94.6978 %	103.7346 %	94.9017 %
Concentration RSD	0.3 %	0.4 %	1.0 %	0.4 %	0.4 %	1.2 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536905-16D2 WG2085680
Analysis started at: 7/1/2025 2:26:29 PM
Rack 2
Vial 9
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0022 ppm	102.4633 ppm	0.0242 ppm	0.0132 ppm	0.4234 ppm	0.0051 ppm	7.6082 ppm
Concentration per Run	0.0024 ppm	105.0715 ppm	0.0253 ppm	0.0119 ppm	0.4355 ppm	0.0052 ppm	7.7874 ppm
Concentration per Run	0.0025 ppm	100.8840 ppm	0.0231 ppm	0.0123 ppm	0.4140 ppm	0.0050 ppm	7.4738 ppm
Concentration per Run	0.0016 ppm	101.4344 ppm	0.0242 ppm	0.0155 ppm	0.4207 ppm	0.0050 ppm	7.5635 ppm
Concentration RSD	23.5 %	2.2 %	4.5 %	14.9 %	2.6 %	2.4 %	2.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0456 ppm	0.1752 ppm	0.4847 ppm	134.5906 ppm	7.6825 ppm	0.0899 ppm
Concentration per Run	-0.0001 ppm	0.0458 ppm	0.1741 ppm	0.4851 ppm	137.8299 ppm	7.8445 ppm	0.0917 ppm
Concentration per Run	-0.0001 ppm	0.0452 ppm	0.1737 ppm	0.4838 ppm	132.1247 ppm	7.5501 ppm	0.0883 ppm
Concentration per Run	-0.0001 ppm	0.0459 ppm	0.1777 ppm	0.4851 ppm	133.8173 ppm	7.6528 ppm	0.0895 ppm
Concentration RSD	11.0 %	0.8 %	1.2 %	0.2 %	2.2 %	1.9 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.0405 ppm	0.7566 ppm	0.0130 ppm	1.0055 ppm	0.1436 ppm	0.0951 ppm	0.0050 ppm
Concentration per Run	22.9138 ppm	0.7752 ppm	0.0130 ppm	1.0440 ppm	0.1437 ppm	0.0947 ppm	0.0057 ppm
Concentration per Run	22.8538 ppm	0.7435 ppm	0.0133 ppm	0.9844 ppm	0.1436 ppm	0.0955 ppm	0.0064 ppm
Concentration per Run	23.3538 ppm	0.7510 ppm	0.0128 ppm	0.9881 ppm	0.1436 ppm	0.0953 ppm	0.0030 ppm
Concentration RSD	1.2 %	2.2 %	2.1 %	3.3 %	0.0 %	0.4 %	36.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	31.7123 [SIC 200]	0.0074 ppm	0.0538 ppm	4.0352 ppm	0.0049 ppm	0.2554 ppm
Concentration per Run	0.0053 ppm	31.9396 ppm	0.0081 ppm	0.0551 ppm	4.0006 ppm	0.0047 ppm	0.2549 ppm
Concentration per Run	0.0030 ppm	30.7790 ppm	0.0072 ppm	0.0528 ppm	4.0021 ppm	0.0052 ppm	0.2543 ppm
Concentration per Run	0.0053 ppm	32.4182 ppm	0.0070 ppm	0.0534 ppm	4.1028 ppm	0.0047 ppm	0.2569 ppm
Concentration RSD	29.8 %	2.7 %	8.2 %	2.2 %	1.5 %	5.8 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6572 ppm	98.8999 %	110.5332 %	93.8861 %	149.2724 %	168.5469 %	155.0992 %
Concentration per Run	0.6587 ppm	99.3989 %	108.3927 %	94.4499 %	149.7888 %	167.2678 %	156.4133 %
Concentration per Run	0.6561 ppm	99.4303 %	112.1202 %	93.7310 %	150.3050 %	170.6171 %	155.0362 %
Concentration per Run	0.6568 ppm	97.8705 %	111.0868 %	93.4773 %	147.7234 %	167.7558 %	153.8482 %
Concentration RSD	0.2 %	0.9 %	1.7 %	0.5 %	0.9 %	1.1 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536905-20D2 WG2085680
Analysis started at: 7/1/2025 2:29:54 PM
Rack 2
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	81.0746 ppm	0.0382 ppm	0.0128 ppm	0.3555 ppm	0.0057 ppm	5.9385 ppm
Concentration per Run	0.0013 ppm	79.9198 ppm	0.0375 ppm	0.0135 ppm	0.3670 ppm	0.0053 ppm	6.1046 ppm
Concentration per Run	0.0009 ppm	82.1998 ppm	0.0377 ppm	0.0119 ppm	0.3498 ppm	0.0060 ppm	5.8073 ppm
Concentration per Run	0.0007 ppm	81.1042 ppm	0.0393 ppm	0.0131 ppm	0.3497 ppm	0.0058 ppm	5.9036 ppm
Concentration RSD	28.7 %	1.4 %	2.6 %	6.5 %	2.8 %	6.6 %	2.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0639 ppm	0.1399 ppm	0.1638 ppm	174.1354 ppm	7.6665 ppm	0.0761 ppm
Concentration per Run	-0.0007 ppm	0.0637 ppm	0.1405 ppm	0.1636 ppm	170.0492 ppm	7.6037 ppm	0.0813 ppm
Concentration per Run	-0.0006 ppm	0.0645 ppm	0.1395 ppm	0.1629 ppm	176.2445 ppm	7.8189 ppm	0.0749 ppm
Concentration per Run	-0.0007 ppm	0.0637 ppm	0.1398 ppm	0.1650 ppm	176.1124 ppm	7.5768 ppm	0.0721 ppm
Concentration RSD	10.4 %	0.7 %	0.4 %	0.6 %	2.0 %	1.7 %	6.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.4787 ppm	2.7247 ppm	0.0039 ppm	1.1287 ppm	0.1108 ppm	0.0677 ppm	0.0058 ppm
Concentration per Run	19.5002 ppm	2.7118 ppm	0.0040 ppm	1.1080 ppm	0.1107 ppm	0.0670 ppm	0.0072 ppm
Concentration per Run	19.4391 ppm	2.7226 ppm	0.0039 ppm	1.1850 ppm	0.1111 ppm	0.0680 ppm	0.0064 ppm
Concentration per Run	19.4968 ppm	2.7398 ppm	0.0038 ppm	1.0930 ppm	0.1108 ppm	0.0682 ppm	0.0039 ppm
Concentration RSD	0.2 %	0.5 %	3.7 %	4.4 %	0.2 %	1.0 %	30.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0042 ppm	42.8580 [SIC 200]	0.0075 ppm	0.0400 ppm	4.8474 ppm	0.0041 ppm	0.2316 ppm
Concentration per Run	0.0055 ppm	42.8170 ppm	0.0073 ppm	0.0392 ppm	4.8046 ppm	0.0034 ppm	0.2317 ppm
Concentration per Run	0.0029 ppm	42.7512 ppm	0.0074 ppm	0.0410 ppm	4.8717 ppm	0.0047 ppm	0.2313 ppm
Concentration per Run	0.0042 ppm	43.0057 ppm	0.0077 ppm	0.0397 ppm	4.8657 ppm	0.0042 ppm	0.2319 ppm
Concentration RSD	30.4 %	0.3 %	2.7 %	2.2 %	0.8 %	15.1 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4532 ppm	98.4399 %	107.7452 %	91.5141 %	189.6130 %	234.0918 %	195.5977 %
Concentration per Run	0.4572 ppm	98.7241 %	110.9644 %	91.2647 %	190.0724 %	217.9373 %	194.0599 %
Concentration per Run	0.4514 ppm	98.3526 %	105.7856 %	91.5112 %	189.1790 %	244.1084 %	196.5522 %
Concentration per Run	0.4509 ppm	98.2430 %	106.4858 %	91.7665 %	189.5876 %	240.2297 %	196.1811 %
Concentration RSD	0.8 %	0.3 %	2.6 %	0.3 %	0.2 %	6.0 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536905-22D2 WG2085680
Analysis started at: 7/1/2025 2:33:19 PM
Rack 2
Vial 11
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0010 ppm	51.1293 ppm	0.0259 ppm	0.0053 ppm	0.2811 ppm	0.0038 ppm	8.7185 ppm
Concentration per Run	0.0005 ppm	51.1167 ppm	0.0227 ppm	0.0054 ppm	0.2780 ppm	0.0038 ppm	8.6650 ppm
Concentration per Run	0.0013 ppm	50.8380 ppm	0.0259 ppm	0.0052 ppm	0.2823 ppm	0.0037 ppm	8.7237 ppm
Concentration per Run	0.0011 ppm	51.4332 ppm	0.0290 ppm	0.0054 ppm	0.2830 ppm	0.0038 ppm	8.7669 ppm
Concentration RSD	44.2 %	0.6 %	12.2 %	2.9 %	1.0 %	0.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0607 ppm	0.0816 ppm	0.1480 ppm	130.1700 ppm	4.6880 ppm	0.0673 ppm
Concentration per Run	0.0012 ppm	0.0606 ppm	0.0849 ppm	0.1476 ppm	129.2893 ppm	4.7699 ppm	0.0681 ppm
Concentration per Run	0.0017 ppm	0.0610 ppm	0.0806 ppm	0.1481 ppm	130.0723 ppm	4.6297 ppm	0.0661 ppm
Concentration per Run	0.0015 ppm	0.0603 ppm	0.0793 ppm	0.1483 ppm	131.1483 ppm	4.6645 ppm	0.0676 ppm
Concentration RSD	16.7 %	0.6 %	3.6 %	0.3 %	0.7 %	1.6 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.6860 ppm	2.0775 ppm	0.0049 ppm	0.6645 ppm	0.0867 ppm	0.0675 ppm	0.0043 ppm
Concentration per Run	16.3294 ppm	2.0642 ppm	0.0052 ppm	0.6710 ppm	0.0883 ppm	0.0655 ppm	0.0051 ppm
Concentration per Run	15.4356 ppm	2.0767 ppm	0.0047 ppm	0.6514 ppm	0.0872 ppm	0.0679 ppm	0.0070 ppm
Concentration per Run	15.2929 ppm	2.0916 ppm	0.0048 ppm	0.6710 ppm	0.0847 ppm	0.0691 ppm	0.0010 ppm
Concentration RSD	3.6 %	0.7 %	5.7 %	1.7 %	2.1 %	2.8 %	70.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0063 ppm	9.7957 ppm	0.0059 ppm	0.0320 ppm	2.4765 ppm	0.0028 ppm	0.1447 ppm
Concentration per Run	0.0053 ppm	9.9692 ppm	0.0057 ppm	0.0319 ppm	2.5679 ppm	0.0034 ppm	0.1464 ppm
Concentration per Run	0.0096 ppm	9.8740 ppm	0.0070 ppm	0.0317 ppm	2.4401 ppm	0.0023 ppm	0.1442 ppm
Concentration per Run	0.0039 ppm	9.5439 ppm	0.0052 ppm	0.0323 ppm	2.4213 ppm	0.0027 ppm	0.1434 ppm
Concentration RSD	46.9 %	2.3 %	16.0 %	1.1 %	3.2 %	19.5 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4347 ppm	96.6188 %	107.0025 %	92.3413 %	133.8482 %	150.8625 %	137.0050 %
Concentration per Run	0.4304 ppm	95.4565 %	106.9846 %	92.1685 %	132.8372 %	150.7747 %	136.8274 %
Concentration per Run	0.4400 ppm	96.9503 %	107.3098 %	93.1087 %	134.4095 %	150.5994 %	137.6625 %
Concentration per Run	0.4336 ppm	97.4495 %	106.7131 %	91.7467 %	134.2979 %	151.2132 %	136.5251 %
Concentration RSD	1.1 %	1.1 %	0.3 %	0.8 %	0.7 %	0.2 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536905-10D2 WG2085680
Analysis started at: 7/1/2025 2:36:45 PM
Rack 2
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	53.5813 ppm	0.0324 ppm	0.0048 ppm	0.2877 ppm	0.0039 ppm	9.7890 ppm
Concentration per Run	0.0013 ppm	53.5294 ppm	0.0335 ppm	0.0067 ppm	0.2865 ppm	0.0039 ppm	9.8662 ppm
Concentration per Run	0.0013 ppm	53.4968 ppm	0.0340 ppm	0.0037 ppm	0.2878 ppm	0.0039 ppm	9.7731 ppm
Concentration per Run	0.0006 ppm	53.7176 ppm	0.0298 ppm	0.0039 ppm	0.2887 ppm	0.0039 ppm	9.7278 ppm
Concentration RSD	36.0 %	0.2 %	7.1 %	35.2 %	0.4 %	0.3 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0194 ppm	0.0778 ppm	0.0458 ppm	101.1072 ppm	1.2228 ppm	0.0479 ppm
Concentration per Run	-0.0003 ppm	0.0193 ppm	0.0777 ppm	0.0460 ppm	101.2104 ppm	1.2329 ppm	0.0480 ppm
Concentration per Run	-0.0003 ppm	0.0191 ppm	0.0779 ppm	0.0461 ppm	101.2634 ppm	1.2220 ppm	0.0475 ppm
Concentration per Run	-0.0003 ppm	0.0198 ppm	0.0779 ppm	0.0453 ppm	100.8479 ppm	1.2136 ppm	0.0482 ppm
Concentration RSD	7.2 %	2.0 %	0.2 %	1.0 %	0.2 %	0.8 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.0410 ppm	1.1426 ppm	0.0174 ppm	0.3991 ppm	0.0565 ppm	0.0318 ppm	0.0031 ppm
Concentration per Run	6.0592 ppm	1.1498 ppm	0.0176 ppm	0.3949 ppm	0.0564 ppm	0.0321 ppm	0.0043 ppm
Concentration per Run	5.9904 ppm	1.1377 ppm	0.0173 ppm	0.3990 ppm	0.0564 ppm	0.0311 ppm	0.0025 ppm
Concentration per Run	6.0736 ppm	1.1402 ppm	0.0173 ppm	0.4035 ppm	0.0566 ppm	0.0322 ppm	0.0025 ppm
Concentration RSD	0.7 %	0.6 %	1.0 %	1.1 %	0.2 %	1.7 %	33.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0061 ppm	9.2717 ppm	0.0051 ppm	0.0668 ppm	1.0976 ppm	0.0022 ppm	0.1774 ppm
Concentration per Run	0.0069 ppm	9.6062 ppm	0.0047 ppm	0.0663 ppm	1.0837 ppm	0.0024 ppm	0.1777 ppm
Concentration per Run	0.0077 ppm	8.8934 ppm	0.0052 ppm	0.0669 ppm	1.1077 ppm	0.0019 ppm	0.1770 ppm
Concentration per Run	0.0038 ppm	9.3154 ppm	0.0055 ppm	0.0671 ppm	1.1014 ppm	0.0023 ppm	0.1776 ppm
Concentration RSD	34.0 %	3.9 %	7.5 %	0.6 %	1.1 %	12.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2579 ppm	97.5505 %	106.8985 %	93.4130 %	136.5133 %	**153.9412 %**	138.4033 %
Concentration per Run	0.2598 ppm	97.6057 %	106.4572 %	93.2972 %	136.6231 %	**153.6911 %**	137.9935 %
Concentration per Run	0.2578 ppm	97.6182 %	107.2728 %	93.3173 %	136.5134 %	**154.0942 %**	138.2093 %
Concentration per Run	0.2562 ppm	97.4277 %	106.9656 %	93.6246 %	136.4035 %	**154.0383 %**	139.0073 %
Concentration RSD	0.7 %	0.1 %	0.4 %	0.2 %	0.1 %	**0.1 %**	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085680-3D2 WG2085680
Analysis started at: 7/1/2025 2:40:09 PM
Rack 2
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0451 ppm	64.3875 ppm	0.1319 ppm	0.7298 ppm	2.0019 ppm	0.0465 ppm	18.2021 ppm
Concentration per Run	0.0452 ppm	64.8047 ppm	0.1336 ppm	0.7225 ppm	2.0109 ppm	0.0467 ppm	18.2032 ppm
Concentration per Run	0.0450 ppm	64.5026 ppm	0.1298 ppm	0.7396 ppm	2.0008 ppm	0.0465 ppm	18.1957 ppm
Concentration per Run	0.0451 ppm	63.8553 ppm	0.1323 ppm	0.7275 ppm	1.9939 ppm	0.0464 ppm	18.2074 ppm
Concentration RSD	0.2 %	0.8 %	1.5 %	1.2 %	0.4 %	0.3 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0411 ppm	0.4346 ppm	0.2607 ppm	0.2928 ppm	136.8311 ppm	10.2571 ppm	0.0585 ppm
Concentration per Run	0.0413 ppm	0.4358 ppm	0.2597 ppm	0.2921 ppm	136.9185 ppm	10.4045 ppm	0.0602 ppm
Concentration per Run	0.0406 ppm	0.4318 ppm	0.2618 ppm	0.2939 ppm	137.0457 ppm	10.2967 ppm	0.0575 ppm
Concentration per Run	0.0414 ppm	0.4361 ppm	0.2607 ppm	0.2922 ppm	136.5292 ppm	10.0700 ppm	0.0579 ppm
Concentration RSD	1.0 %	0.6 %	0.4 %	0.3 %	0.2 %	1.7 %	2.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.5174 ppm	2.3052 ppm	0.7947 ppm	9.8906 ppm	0.4901 ppm	0.4736 ppm	0.1668 ppm
Concentration per Run	15.5014 ppm	2.3097 ppm	0.7907 ppm	10.0313 ppm	0.4895 ppm	0.4711 ppm	0.1699 ppm
Concentration per Run	15.5175 ppm	2.3020 ppm	0.7948 ppm	9.9647 ppm	0.4901 ppm	0.4739 ppm	0.1708 ppm
Concentration per Run	15.5333 ppm	2.3039 ppm	0.7986 ppm	9.6757 ppm	0.4906 ppm	0.4758 ppm	0.1597 ppm
Concentration RSD	0.1 %	0.2 %	0.5 %	1.9 %	0.1 %	0.5 %	3.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0909 ppm	11.8095 [SIC 200]	0.7330 ppm	0.9074 ppm	1.7831 ppm	0.1005 ppm	0.6340 ppm
Concentration per Run	0.0900 ppm	11.9671 ppm	0.7347 ppm	0.9131 ppm	1.7874 ppm	0.1009 ppm	0.6327 ppm
Concentration per Run	0.0890 ppm	12.0048 ppm	0.7286 ppm	0.9053 ppm	1.7949 ppm	0.1005 ppm	0.6342 ppm
Concentration per Run	0.0938 ppm	11.4567 ppm	0.7358 ppm	0.9037 ppm	1.7671 ppm	0.1001 ppm	0.6350 ppm
Concentration RSD	2.8 %	2.6 %	0.5 %	0.6 %	0.8 %	0.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7778 ppm	96.5465 %	104.8264 %	90.6057 %	138.1926 %	154.2463 %	139.4005 %
Concentration per Run	0.7791 ppm	96.6944 %	104.4324 %	90.7650 %	138.3340 %	153.7532 %	139.5525 %
Concentration per Run	0.7754 ppm	96.5382 %	104.9406 %	90.6321 %	138.5422 %	154.7627 %	139.5576 %
Concentration per Run	0.7789 ppm	96.4067 %	105.1061 %	90.4202 %	137.7015 %	154.2229 %	139.0915 %
Concentration RSD	0.3 %	0.1 %	0.3 %	0.2 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085680-4D2 WG2085680
Analysis started at: 7/1/2025 2:43:33 PM
Rack 2
Vial 6
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0030 ppm	61.4576 ppm	0.0737 ppm	0.0065 ppm	0.2892 ppm	0.0061 ppm	10.9738 ppm
Concentration per Run	0.0032 ppm	61.7539 ppm	0.0733 ppm	0.0076 ppm	0.2898 ppm	0.0061 ppm	10.8956 ppm
Concentration per Run	0.0027 ppm	61.3519 ppm	0.0739 ppm	0.0053 ppm	0.2890 ppm	0.0061 ppm	11.1038 ppm
Concentration per Run	0.0032 ppm	61.2670 ppm	0.0741 ppm	0.0066 ppm	0.2889 ppm	0.0059 ppm	10.9219 ppm
Concentration RSD	7.9 %	0.4 %	0.6 %	18.1 %	0.2 %	1.7 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0008 ppm	0.0233 ppm	0.0953 ppm	0.0545 ppm	199.0855 ppm	1.2624 ppm	0.0456 ppm
Concentration per Run	-0.0008 ppm	0.0232 ppm	0.0953 ppm	0.0546 ppm	198.8267 ppm	1.2662 ppm	0.0467 ppm
Concentration per Run	-0.0008 ppm	0.0237 ppm	0.0954 ppm	0.0542 ppm	200.5368 ppm	1.2757 ppm	0.0448 ppm
Concentration per Run	-0.0007 ppm	0.0230 ppm	0.0953 ppm	0.0546 ppm	197.8930 ppm	1.2454 ppm	0.0452 ppm
Concentration RSD	8.6 %	1.7 %	0.1 %	0.5 %	0.7 %	1.2 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.9025 ppm	1.6881 ppm	0.0394 ppm	0.3914 ppm	0.0652 ppm	0.0400 ppm	0.0078 ppm
Concentration per Run	5.8941 ppm	1.6893 ppm	0.0395 ppm	0.3998 ppm	0.0649 ppm	0.0391 ppm	0.0085 ppm
Concentration per Run	5.8997 ppm	1.6922 ppm	0.0392 ppm	0.3759 ppm	0.0647 ppm	0.0410 ppm	0.0094 ppm
Concentration per Run	5.9136 ppm	1.6827 ppm	0.0396 ppm	0.3986 ppm	0.0659 ppm	0.0400 ppm	0.0056 ppm
Concentration RSD	0.2 %	0.3 %	0.4 %	3.4 %	1.0 %	2.4 %	25.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0060 ppm	9.1619 ppm	0.0070 ppm	0.0746 ppm	1.1973 ppm	0.0018 ppm	0.2799 ppm
Concentration per Run	0.0055 ppm	9.1408 ppm	0.0068 ppm	0.0747 ppm	1.1854 ppm	0.0019 ppm	0.2800 ppm
Concentration per Run	0.0056 ppm	9.1415 ppm	0.0077 ppm	0.0749 ppm	1.2297 ppm	0.0012 ppm	0.2803 ppm
Concentration per Run	0.0069 ppm	9.2036 ppm	0.0066 ppm	0.0742 ppm	1.1767 ppm	0.0023 ppm	0.2793 ppm
Concentration RSD	12.6 %	0.4 %	8.1 %	0.4 %	2.4 %	30.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3240 ppm	96.8409 %	105.4971 %	91.2282 %	140.5123 %	**156.2708 %**	142.2840 %
Concentration per Run	0.3249 ppm	96.5597 %	105.9022 %	90.8840 %	140.2035 %	**158.1952 %**	141.7480 %
Concentration per Run	0.3248 ppm	96.7632 %	104.5289 %	91.2089 %	140.2636 %	**152.7050 %**	142.7454 %
Concentration per Run	0.3223 ppm	97.1997 %	106.0601 %	91.5917 %	141.0699 %	**157.9121 %**	142.3585 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.4 %	0.3 %	**2.0 %**	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085680-5D2 WG2085680
Analysis started at: 7/1/2025 2:46:57 PM
Rack 2
Vial 7
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0515 ppm	55.7437 ppm	0.1449 ppm	0.9329 ppm	2.3123 ppm	0.0538 ppm	18.5847 ppm
Concentration per Run	0.0520 ppm	55.9611 ppm	0.1436 ppm	0.9406 ppm	2.2966 ppm	0.0540 ppm	18.6155 ppm
Concentration per Run	0.0510 ppm	55.7025 ppm	0.1446 ppm	0.9310 ppm	2.3104 ppm	0.0536 ppm	18.3639 ppm
Concentration per Run	0.0513 ppm	55.5674 ppm	0.1464 ppm	0.9271 ppm	2.3301 ppm	0.0539 ppm	18.7747 ppm
Concentration RSD	1.0 %	0.4 %	1.0 %	0.7 %	0.7 %	0.4 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0440 ppm	0.4968 ppm	0.2760 ppm	0.2996 ppm	101.6638 ppm	11.3084 ppm	0.0474 ppm
Concentration per Run	0.0439 ppm	0.4990 ppm	0.2783 ppm	0.3017 ppm	102.7973 ppm	11.2737 ppm	0.0471 ppm
Concentration per Run	0.0440 ppm	0.4936 ppm	0.2747 ppm	0.2981 ppm	101.0609 ppm	11.3096 ppm	0.0474 ppm
Concentration per Run	0.0441 ppm	0.4978 ppm	0.2751 ppm	0.2992 ppm	101.1332 ppm	11.3420 ppm	0.0478 ppm
Concentration RSD	0.3 %	0.6 %	0.7 %	0.6 %	1.0 %	0.3 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	15.1949 ppm	1.6122 ppm	0.8959 ppm	11.0097 ppm	0.5508 ppm	0.5078 ppm	0.4441 ppm
Concentration per Run	15.4430 ppm	1.6158 ppm	0.8977 ppm	10.8965 ppm	0.5569 ppm	0.5032 ppm	0.4431 ppm
Concentration per Run	15.0492 ppm	1.6005 ppm	0.8923 ppm	11.1396 ppm	0.5470 ppm	0.5057 ppm	0.4391 ppm
Concentration per Run	15.0926 ppm	1.6203 ppm	0.8976 ppm	10.9929 ppm	0.5485 ppm	0.5144 ppm	0.4502 ppm
Concentration RSD	1.4 %	0.6 %	0.3 %	1.1 %	1.0 %	1.2 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1166 ppm	11.4360 [SIC 200]	0.9196 ppm	1.0011 ppm	2.0652 ppm	0.1098 ppm	0.6833 ppm
Concentration per Run	0.1175 ppm	11.6354 ppm	0.9296 ppm	0.9977 ppm	2.0936 ppm	0.1114 ppm	0.6877 ppm
Concentration per Run	0.1170 ppm	11.5355 ppm	0.9130 ppm	1.0004 ppm	2.0391 ppm	0.1087 ppm	0.6798 ppm
Concentration per Run	0.1153 ppm	11.1372 ppm	0.9162 ppm	1.0052 ppm	2.0629 ppm	0.1093 ppm	0.6823 ppm
Concentration RSD	1.0 %	2.3 %	1.0 %	0.4 %	1.3 %	1.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7509 ppm	96.3714 %	104.9543 %	91.1372 %	135.5333 %	151.3476 %	137.1346 %
Concentration per Run	0.7562 ppm	95.6204 %	104.1431 %	91.1084 %	134.8636 %	151.1242 %	136.5027 %
Concentration per Run	0.7461 ppm	96.6155 %	105.7861 %	91.1187 %	135.7887 %	152.8896 %	137.2743 %
Concentration per Run	0.7503 ppm	96.8783 %	104.9336 %	91.1844 %	135.9475 %	150.0290 %	137.6267 %
Concentration RSD	0.7 %	0.7 %	0.8 %	0.0 %	0.4 %	1.0 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085680-6D10 WG2085680
Analysis started at: 7/1/2025 2:50:21 PM
Rack 2
Vial 8
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	11.2026 ppm	0.0060 ppm	0.0030 ppm	0.0595 ppm	0.0008 ppm	2.0178 ppm
Concentration per Run	-0.0010 ppm	11.1954 ppm	0.0065 ppm	0.0027 ppm	0.0595 ppm	0.0008 ppm	1.9951 ppm
Concentration per Run	-0.0006 ppm	11.2250 ppm	0.0061 ppm	0.0049 ppm	0.0596 ppm	0.0008 ppm	2.0267 ppm
Concentration per Run	-0.0006 ppm	11.1874 ppm	0.0054 ppm	0.0015 ppm	0.0594 ppm	0.0008 ppm	2.0316 ppm
Concentration RSD	29.9 %	0.2 %	9.1 %	57.3 %	0.2 %	3.0 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0037 ppm	0.0164 ppm	0.0102 ppm	21.6694 ppm	0.2634 ppm	0.0095 ppm
Concentration per Run	-0.0001 ppm	0.0038 ppm	0.0162 ppm	0.0103 ppm	21.5716 ppm	0.2663 ppm	0.0096 ppm
Concentration per Run	0.0000 ppm	0.0036 ppm	0.0166 ppm	0.0102 ppm	21.7427 ppm	0.2737 ppm	0.0095 ppm
Concentration per Run	0.0000 ppm	0.0038 ppm	0.0164 ppm	0.0101 ppm	21.6939 ppm	0.2502 ppm	0.0096 ppm
Concentration RSD	215.9 %	2.2 %	1.1 %	1.2 %	0.4 %	4.6 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.2620 ppm	0.2367 ppm	0.0103 ppm	0.0856 ppm	0.0120 ppm	0.0051 ppm	0.0035 ppm
Concentration per Run	1.2667 ppm	0.2354 ppm	0.0099 ppm	0.0849 ppm	0.0136 ppm	0.0048 ppm	0.0063 ppm
Concentration per Run	1.2619 ppm	0.2380 ppm	0.0103 ppm	0.0884 ppm	0.0111 ppm	0.0052 ppm	0.0008 ppm
Concentration per Run	1.2574 ppm	0.2368 ppm	0.0106 ppm	0.0835 ppm	0.0113 ppm	0.0053 ppm	0.0034 ppm
Concentration RSD	0.4 %	0.5 %	3.6 %	2.9 %	11.6 %	4.7 %	79.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0069 ppm	2.0369 ppm	0.0014 ppm	0.0140 ppm	0.2372 ppm	0.0002 ppm	0.0360 ppm
Concentration per Run	0.0086 ppm	1.9851 ppm	0.0010 ppm	0.0137 ppm	0.2503 ppm	0.0006 ppm	0.0362 ppm
Concentration per Run	0.0072 ppm	2.0202 ppm	0.0014 ppm	0.0144 ppm	0.2272 ppm	-0.0008 ppm	0.0357 ppm
Concentration per Run	0.0048 ppm	2.1053 ppm	0.0019 ppm	0.0138 ppm	0.2341 ppm	0.0007 ppm	0.0362 ppm
Concentration RSD	27.8 %	3.0 %	32.9 %	2.6 %	5.0 %	472.8 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0542 ppm	95.8662 %	104.3694 %	95.4111 %	103.8376 %	115.1259 %	104.5677 %
Concentration per Run	0.0547 ppm	95.2624 %	105.3407 %	95.7677 %	103.4731 %	116.7172 %	104.5773 %
Concentration per Run	0.0540 ppm	95.6765 %	104.1702 %	95.1634 %	103.3210 %	115.2030 %	104.6444 %
Concentration per Run	0.0539 ppm	96.6598 %	103.5973 %	95.3022 %	104.7188 %	113.4574 %	104.4815 %
Concentration RSD	0.8 %	0.7 %	0.9 %	0.3 %	0.7 %	1.4 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 2:53:46 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5164 ppm	0.4840 ppm	0.4901 ppm	0.5186 ppm	0.5088 ppm	0.5122 ppm	0.4892 ppm
Concentration per Run	0.5165 ppm	0.4835 ppm	0.4872 ppm	0.5163 ppm	0.5045 ppm	0.5076 ppm	0.4851 ppm
Concentration per Run	0.5139 ppm	0.4859 ppm	0.4921 ppm	0.5176 ppm	0.5128 ppm	0.5191 ppm	0.4963 ppm
Concentration per Run	0.5190 ppm	0.4825 ppm	0.4909 ppm	0.5221 ppm	0.5090 ppm	0.5098 ppm	0.4862 ppm
Recovery Percentage	103.290 %	96.793 %	98.014 %	103.726 %	101.758 %	102.434 %	97.842 %
Concentration RSD	0.5 %	0.4 %	0.5 %	0.6 %	0.8 %	1.2 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4959 ppm	0.5097 ppm	0.5226 ppm	0.5212 ppm	0.5227 ppm	5.3853 ppm	0.5209 ppm
Concentration per Run	0.4973 ppm	0.5110 ppm	0.5217 ppm	0.5223 ppm	0.5214 ppm	5.3839 ppm	0.5195 ppm
Concentration per Run	0.4928 ppm	0.5064 ppm	0.5225 ppm	0.5180 ppm	0.5287 ppm	5.3554 ppm	0.5174 ppm
Concentration per Run	0.4975 ppm	0.5117 ppm	0.5236 ppm	0.5234 ppm	0.5180 ppm	5.4167 ppm	0.5258 ppm
Recovery Percentage	99.172 %	101.942 %	104.523 %	104.247 %	104.541 %	107.706 %	104.181 %
Concentration RSD	0.5 %	0.6 %	0.2 %	0.5 %	1.1 %	0.6 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5189 ppm	0.5005 ppm	0.4952 ppm	10.9269 ppm	0.5220 ppm	0.4988 ppm	0.5117 ppm
Concentration per Run	0.5188 ppm	0.4971 ppm	0.4941 ppm	10.9378 ppm	0.5240 ppm	0.4980 ppm	0.5109 ppm
Concentration per Run	0.5156 ppm	0.5063 ppm	0.4935 ppm	10.7828 ppm	0.5187 ppm	0.4994 ppm	0.5090 ppm
Concentration per Run	0.5223 ppm	0.4981 ppm	0.4980 ppm	11.0600 ppm	0.5234 ppm	0.4991 ppm	0.5152 ppm
Recovery Percentage	103.785 %	100.100 %	99.035 %	109.269 %	104.402 %	99.765 %	102.342 %
Concentration RSD	0.6 %	1.0 %	0.5 %	1.3 %	0.6 %	0.2 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5067 ppm	5.6343 ppm	0.5251 ppm	0.5158 ppm	0.5239 ppm	0.4982 ppm	0.5202 ppm
Concentration per Run	0.5016 ppm	5.6370 ppm	0.5284 ppm	0.5128 ppm	0.5242 ppm	0.4974 ppm	0.5218 ppm
Concentration per Run	0.5114 ppm	5.6147 ppm	0.5235 ppm	0.5199 ppm	0.5238 ppm	0.4997 ppm	0.5183 ppm
Concentration per Run	0.5072 ppm	5.6513 ppm	0.5235 ppm	0.5146 ppm	0.5236 ppm	0.4976 ppm	0.5205 ppm
Recovery Percentage	101.348 %	107.321 %	105.024 %	103.156 %	104.772 %	99.644 %	104.043 %
Concentration RSD	1.0 %	0.3 %	0.5 %	0.7 %	0.1 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5163 ppm	95.1053 %	102.4055 %	93.8827 %	94.5939 %	104.1127 %	94.6630 %
Concentration per Run	0.5185 ppm	94.7190 %	103.2973 %	93.8646 %	94.5275 %	105.8951 %	94.6920 %
Concentration per Run	0.5139 ppm	95.7760 %	101.1511 %	94.1352 %	94.3714 %	101.8649 %	95.0395 %
Concentration per Run	0.5164 ppm	94.8209 %	102.7682 %	93.6483 %	94.8829 %	104.5781 %	94.2574 %
Recovery Percentage	103.254 %						
Concentration RSD	0.4 %	0.6 %	1.1 %	0.3 %	0.3 %	2.0 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 2:57:10 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	-0.0027 ppm	0.0004 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm	0.0053 ppm
Concentration per Run	-0.0005 ppm	-0.0011 ppm	0.0009 ppm	0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0068 ppm
Concentration per Run	-0.0011 ppm	-0.0016 ppm	-0.0008 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0057 ppm
Concentration per Run	-0.0008 ppm	-0.0056 ppm	0.0011 ppm	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0034 ppm
Recovery Percentage	-16.252 %	-2.738 %	8.182 %	3.630 %	0.433 %	1.140 %	5.304 %
Concentration RSD	33.4 %	90.0 %	251.5 %	35.1 %	58.7 %	7.3 %	33.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0011 ppm	0.0035 ppm	0.0079 ppm	-0.0005 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0043 ppm	0.0050 ppm	-0.0006 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0015 ppm	0.0033 ppm	0.0121 ppm	-0.0008 ppm
Concentration per Run	0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0028 ppm	0.0066 ppm	-0.0001 ppm
Recovery Percentage	2.018 %	-3.269 %	3.111 %	11.073 %	6.969 %	0.316 %	-5.032 %
Concentration RSD	138.2 %	53.4 %	64.7 %	31.1 %	22.0 %	46.8 %	76.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0015 ppm	0.0001 ppm	0.0047 ppm	0.0004 ppm	0.0000 ppm	-0.0009 ppm	0.0016 ppm
Concentration per Run	-0.0016 ppm	0.0000 ppm	0.0051 ppm	-0.0003 ppm	0.0001 ppm	-0.0021 ppm	0.0010 ppm
Concentration per Run	-0.0002 ppm	0.0001 ppm	0.0046 ppm	0.0020 ppm	0.0006 ppm	0.0005 ppm	0.0037 ppm
Concentration per Run	-0.0027 ppm	0.0002 ppm	0.0043 ppm	-0.0004 ppm	-0.0006 ppm	-0.0011 ppm	0.0001 ppm
Recovery Percentage	-1.470 %	1.048 %	9.353 %	0.021 %	0.018 %	-9.115 %	3.210 %
Concentration RSD	85.4 %	94.5 %	7.8 %	324.2 %	13,591.8 %	143.1 %	116.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0084 ppm	0.0053 ppm	0.0004 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run	0.0064 ppm	0.0071 ppm	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0067 ppm	0.0053 ppm	0.0011 ppm	0.0000 ppm	0.0005 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run	0.0121 ppm	0.0035 ppm	-0.0008 ppm	0.0000 ppm	0.0004 ppm	0.0023 ppm	-0.0001 ppm
Recovery Percentage	84.010 %	1.060 %	0.817 %	0.215 %	4.044 %	5.627 %	-1.811 %
Concentration RSD	38.6 %	34.1 %	247.5 %	241.5 %	19.2 %	94.3 %	45.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	93.4814 %	102.6638 %	93.9208 %	94.8652 %	104.9907 %	95.0426 %
Concentration per Run	0.0001 ppm	93.5798 %	102.9414 %	93.9043 %	94.2388 %	104.1762 %	94.9766 %
Concentration per Run	0.0001 ppm	93.3418 %	101.9350 %	93.7328 %	94.7904 %	104.4251 %	94.9673 %
Concentration per Run	0.0000 ppm	93.5226 %	103.1148 %	94.1253 %	95.5663 %	106.3708 %	95.1839 %
Recovery Percentage	1.464 %						
Concentration RSD	107.9 %	0.1 %	0.6 %	0.2 %	0.7 %	1.1 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2534799-01d2 WG2085176
Analysis started at: 7/1/2025 3:38:17 PM
Rack 2
Vial 12
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	38.2158 ppm	0.0174 ppm	0.0298 ppm	0.1833 ppm	0.0020 ppm	545.7433 [SIC 1000]
Concentration per Run	0.0005 ppm	38.3548 ppm	0.0198 ppm	0.0293 ppm	0.1848 ppm	0.0020 ppm	542.4893 ppm
Concentration per Run	0.0004 ppm	38.0710 ppm	0.0146 ppm	0.0302 ppm	0.1822 ppm	0.0020 ppm	545.7033 ppm
Concentration per Run	0.0003 ppm	38.2215 ppm	0.0179 ppm	0.0298 ppm	0.1829 ppm	0.0020 ppm	549.0372 ppm
Concentration RSD	22.5 %	0.4 %	15.2 %	1.6 %	0.7 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0015 ppm	0.0322 ppm	0.0640 ppm	0.0864 ppm	82.9912 ppm	4.3676 ppm	0.0767 ppm
Concentration per Run	-0.0015 ppm	0.0317 ppm	0.0640 ppm	0.0869 ppm	82.7528 ppm	4.4513 ppm	0.0792 ppm
Concentration per Run	-0.0015 ppm	0.0330 ppm	0.0638 ppm	0.0860 ppm	83.0593 ppm	4.3082 ppm	0.0752 ppm
Concentration per Run	-0.0015 ppm	0.0319 ppm	0.0643 ppm	0.0864 ppm	83.1616 ppm	4.3434 ppm	0.0757 ppm
Concentration RSD	2.9 %	2.2 %	0.4 %	0.5 %	0.3 %	1.7 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	262.0642 ppm	3.3827 ppm	0.0037 ppm	1.7799 ppm	0.0691 ppm	0.0700 ppm	0.0031 ppm
Concentration per Run	262.9512 ppm	3.3670 ppm	0.0041 ppm	1.8038 ppm	0.0696 ppm	0.0699 ppm	0.0026 ppm
Concentration per Run	259.4157 ppm	3.3862 ppm	0.0037 ppm	1.7656 ppm	0.0690 ppm	0.0706 ppm	0.0049 ppm
Concentration per Run	263.8257 ppm	3.3949 ppm	0.0034 ppm	1.7702 ppm	0.0686 ppm	0.0696 ppm	0.0019 ppm
Concentration RSD	0.9 %	0.4 %	9.9 %	1.2 %	0.7 %	0.7 %	50.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0047 ppm	3.9152 ppm	0.0038 ppm	0.4930 ppm	0.9019 ppm	0.0022 ppm	0.1188 ppm
Concentration per Run	0.0025 ppm	3.9040 ppm	0.0033 ppm	0.4953 ppm	0.9041 ppm	0.0018 ppm	0.1190 ppm
Concentration per Run	0.0049 ppm	3.9263 ppm	0.0044 ppm	0.4927 ppm	0.8948 ppm	0.0018 ppm	0.1186 ppm
Concentration per Run	0.0066 ppm	3.9153 ppm	0.0037 ppm	0.4911 ppm	0.9068 ppm	0.0031 ppm	0.1189 ppm
Concentration RSD	43.6 %	0.3 %	14.6 %	0.4 %	0.7 %	33.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4237 ppm	95.8604 %	98.6855 %	85.4650 %	124.6662 %	132.1557 %	123.2845 %
Concentration per Run	0.4235 ppm	95.6126 %	98.9283 %	85.7350 %	123.9612 %	131.9333 %	123.4567 %
Concentration per Run	0.4231 ppm	96.2486 %	98.9780 %	84.8862 %	125.0870 %	132.8311 %	122.7232 %
Concentration per Run	0.4246 ppm	95.7199 %	98.1503 %	85.7737 %	124.9504 %	131.7027 %	123.6736 %
Concentration RSD	0.2 %	0.4 %	0.5 %	0.6 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: eL2534799-02d2 WG2085176
Analysis started at: 7/1/2025 3:41:59 PM
Rack 2
Vial 13
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	25.8330 ppm	0.0132 ppm	0.0470 ppm	0.1000 ppm	0.0014 ppm	1,015.3445 [SIC 1000]
Concentration per Run	-0.0009 ppm	25.8722 ppm	0.0131 ppm	0.0472 ppm	0.1006 ppm	0.0013 ppm	1,021.0868 ppm
Concentration per Run	-0.0005 ppm	25.8903 ppm	0.0141 ppm	0.0481 ppm	0.1000 ppm	0.0014 ppm	1,014.0659 ppm
Concentration per Run	-0.0005 ppm	25.7363 ppm	0.0124 ppm	0.0458 ppm	0.0996 ppm	0.0013 ppm	1,010.8809 ppm
Concentration RSD	29.5 %	0.3 %	6.6 %	2.4 %	0.5 %	2.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0035 ppm	0.0209 ppm	0.0503 ppm	0.0701 ppm	61.7455 ppm	3.5941 ppm	0.1012 ppm
Concentration per Run	-0.0035 ppm	0.0211 ppm	0.0508 ppm	0.0698 ppm	61.6580 ppm	3.6287 ppm	0.1019 ppm
Concentration per Run	-0.0035 ppm	0.0204 ppm	0.0499 ppm	0.0704 ppm	61.9657 ppm	3.6009 ppm	0.1018 ppm
Concentration per Run	-0.0034 ppm	0.0213 ppm	0.0502 ppm	0.0702 ppm	61.6129 ppm	3.5528 ppm	0.0998 ppm
Concentration RSD	2.0 %	2.3 %	0.9 %	0.4 %	0.3 %	1.1 %	1.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	493.0570 ppm	3.4472 ppm	0.0025 ppm	2.7473 ppm	0.0511 ppm	0.0455 ppm	0.0032 ppm
Concentration per Run	493.5148 ppm	3.4545 ppm	0.0024 ppm	2.7385 ppm	0.0501 ppm	0.0449 ppm	0.0028 ppm
Concentration per Run	495.2666 ppm	3.4468 ppm	0.0027 ppm	2.7575 ppm	0.0526 ppm	0.0462 ppm	0.0040 ppm
Concentration per Run	490.3896 ppm	3.4403 ppm	0.0025 ppm	2.7457 ppm	0.0505 ppm	0.0455 ppm	0.0027 ppm
Concentration RSD	0.5 %	0.2 %	6.1 %	0.3 %	2.6 %	1.4 %	22.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	3.2183 ppm	0.0024 ppm	0.8267 ppm	0.6562 ppm	0.0006 ppm	0.0746 ppm
Concentration per Run	0.0019 ppm	3.2233 ppm	0.0026 ppm	0.8320 ppm	0.6585 ppm	-0.0023 ppm	0.0744 ppm
Concentration per Run	0.0035 ppm	3.2310 ppm	0.0026 ppm	0.8285 ppm	0.6579 ppm	0.0024 ppm	0.0750 ppm
Concentration per Run	0.0044 ppm	3.2005 ppm	0.0020 ppm	0.8196 ppm	0.6523 ppm	0.0018 ppm	0.0743 ppm
Concentration RSD	39.1 %	0.5 %	14.3 %	0.8 %	0.5 %	421.0 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2879 ppm	87.8479 %	94.6221 %	77.7689 %	108.8517 %	119.5514 %	106.4515 %
Concentration per Run	0.2900 ppm	87.8304 %	94.9430 %	77.7381 %	109.0013 %	117.7897 %	106.5715 %
Concentration per Run	0.2881 ppm	87.5553 %	94.1996 %	77.2314 %	108.4934 %	119.5352 %	106.0536 %
Concentration per Run	0.2856 ppm	88.1582 %	94.7237 %	78.3372 %	109.0603 %	121.3293 %	106.7293 %
Concentration RSD	0.8 %	0.3 %	0.4 %	0.7 %	0.3 %	1.5 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2534799-03d2 WG2085176
Analysis started at: 7/1/2025 3:45:24 PM
Rack 2
Vial 14
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	63.1590 ppm	0.0432 ppm	0.0525 ppm	1.4947 ppm	0.0032 ppm	714.5096 [SIC 1000]
Concentration per Run	0.0004 ppm	63.5698 ppm	0.0411 ppm	0.0508 ppm	1.4820 ppm	0.0033 ppm	703.1341 ppm
Concentration per Run	0.0000 ppm	63.4692 ppm	0.0436 ppm	0.0537 ppm	1.4668 ppm	0.0033 ppm	705.4313 ppm
Concentration per Run	0.0004 ppm	62.4381 ppm	0.0450 ppm	0.0529 ppm	1.5352 ppm	0.0031 ppm	734.9633 ppm
Concentration RSD	103.2 %	1.0 %	4.7 %	2.9 %	2.4 %	3.9 %	2.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0026 ppm	0.0614 ppm	0.1055 ppm	0.1314 ppm	123.0046 ppm	9.9340 ppm	0.1453 ppm
Concentration per Run	-0.0024 ppm	0.0609 ppm	0.1028 ppm	0.1298 ppm	124.8141 ppm	10.0519 ppm	0.1455 ppm
Concentration per Run	-0.0028 ppm	0.0618 ppm	0.1070 ppm	0.1331 ppm	123.1096 ppm	9.9267 ppm	0.1406 ppm
Concentration per Run	-0.0027 ppm	0.0614 ppm	0.1067 ppm	0.1312 ppm	121.0899 ppm	9.8236 ppm	0.1497 ppm
Concentration RSD	8.4 %	0.7 %	2.2 %	1.3 %	1.5 %	1.2 %	3.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	364.7425 ppm	4.3145 ppm	0.0031 ppm	4.3321 ppm	0.1361 ppm	0.0845 ppm	0.0033 ppm
Concentration per Run	357.3163 ppm	4.3083 ppm	0.0032 ppm	4.4611 ppm	0.1336 ppm	0.0848 ppm	-0.0017 ppm
Concentration per Run	370.5104 ppm	4.3121 ppm	0.0030 ppm	4.3910 ppm	0.1381 ppm	0.0848 ppm	0.0053 ppm
Concentration per Run	366.4008 ppm	4.3230 ppm	0.0030 ppm	4.1444 ppm	0.1367 ppm	0.0837 ppm	0.0062 ppm
Concentration RSD	1.9 %	0.2 %	3.5 %	3.8 %	1.7 %	0.8 %	131.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0043 ppm	2.8086 ppm	0.0044 ppm	0.9676 ppm	1.3847 ppm	0.0028 ppm	0.1407 ppm
Concentration per Run	0.0034 ppm	2.7814 ppm	0.0035 ppm	0.9661 ppm	1.3578 ppm	0.0018 ppm	0.1385 ppm
Concentration per Run	0.0040 ppm	2.8292 ppm	0.0059 ppm	0.9660 ppm	1.4059 ppm	0.0048 ppm	0.1422 ppm
Concentration per Run	0.0056 ppm	2.8153 ppm	0.0036 ppm	0.9706 ppm	1.3903 ppm	0.0017 ppm	0.1413 ppm
Concentration RSD	25.7 %	0.9 %	31.5 %	0.3 %	1.8 %	62.3 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6331 ppm	88.0762 %	96.3552 %	80.2912 %	115.9848 %	143.5225 %	116.0422 %
Concentration per Run	0.6268 ppm	89.4193 %	94.8353 %	80.4104 %	117.1658 %	149.0368 %	116.6257 %
Concentration per Run	0.6339 ppm	87.4884 %	95.5617 %	80.5735 %	115.8145 %	147.3771 %	116.7882 %
Concentration per Run	0.6388 ppm	87.3208 %	98.6688 %	79.8896 %	114.9741 %	134.1537 %	114.7128 %
Concentration RSD	1.0 %	1.3 %	2.1 %	0.4 %	1.0 %	5.7 %	1.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2534799-04d2 WG2085176
Analysis started at: 7/1/2025 3:48:49 PM
Rack 2
Vial 15
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	23.1869 ppm	0.0129 ppm	0.0436 ppm	0.1002 ppm	0.0013 ppm	953.7145 [SIC 1000]
Concentration per Run	-0.0007 ppm	23.2598 ppm	0.0140 ppm	0.0419 ppm	0.1000 ppm	0.0013 ppm	946.5841 ppm
Concentration per Run	-0.0006 ppm	23.2831 ppm	0.0116 ppm	0.0449 ppm	0.0999 ppm	0.0014 ppm	957.7415 ppm
Concentration per Run	-0.0009 ppm	23.0177 ppm	0.0131 ppm	0.0439 ppm	0.1007 ppm	0.0013 ppm	956.8179 ppm
Concentration RSD	21.4 %	0.6 %	9.4 %	3.5 %	0.4 %	1.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0033 ppm	0.0182 ppm	0.0416 ppm	0.0654 ppm	56.9719 ppm	3.5695 ppm	0.0894 ppm
Concentration per Run	-0.0031 ppm	0.0184 ppm	0.0414 ppm	0.0656 ppm	57.1038 ppm	3.5910 ppm	0.0889 ppm
Concentration per Run	-0.0033 ppm	0.0179 ppm	0.0420 ppm	0.0655 ppm	56.9533 ppm	3.5445 ppm	0.0891 ppm
Concentration per Run	-0.0034 ppm	0.0182 ppm	0.0414 ppm	0.0650 ppm	56.8585 ppm	3.5731 ppm	0.0902 ppm
Concentration RSD	4.2 %	1.4 %	0.8 %	0.5 %	0.2 %	0.7 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	444.1951 ppm	3.4266 ppm	0.0021 ppm	2.7936 ppm	0.0431 ppm	0.0488 ppm	0.0049 ppm
Concentration per Run	445.5972 ppm	3.4139 ppm	0.0021 ppm	2.8019 ppm	0.0428 ppm	0.0476 ppm	0.0046 ppm
Concentration per Run	441.6256 ppm	3.4361 ppm	0.0020 ppm	2.7869 ppm	0.0437 ppm	0.0486 ppm	0.0030 ppm
Concentration per Run	445.3625 ppm	3.4297 ppm	0.0022 ppm	2.7920 ppm	0.0429 ppm	0.0503 ppm	0.0071 ppm
Concentration RSD	0.5 %	0.3 %	5.1 %	0.3 %	1.1 %	2.7 %	42.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	2.5932 ppm	0.0032 ppm	0.8381 ppm	0.5566 ppm	0.0013 ppm	0.0648 ppm
Concentration per Run	0.0024 ppm	2.5952 ppm	0.0024 ppm	0.8400 ppm	0.5560 ppm	0.0017 ppm	0.0649 ppm
Concentration per Run	0.0019 ppm	2.5945 ppm	0.0033 ppm	0.8349 ppm	0.5556 ppm	0.0012 ppm	0.0647 ppm
Concentration per Run	0.0060 ppm	2.5900 ppm	0.0038 ppm	0.8395 ppm	0.5583 ppm	0.0009 ppm	0.0649 ppm
Concentration RSD	65.1 %	0.1 %	21.9 %	0.3 %	0.3 %	30.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2827 ppm	87.6675 %	94.1968 %	78.2252 %	106.0596 %	118.2667 %	104.3029 %
Concentration per Run	0.2838 ppm	88.0793 %	94.5342 %	78.2535 %	106.2225 %	119.2964 %	104.6458 %
Concentration per Run	0.2825 ppm	87.6781 %	94.0191 %	78.3613 %	106.0000 %	118.3023 %	104.3559 %
Concentration per Run	0.2817 ppm	87.2451 %	94.0372 %	78.0606 %	105.9562 %	117.2014 %	103.9071 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.2 %	0.1 %	0.9 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2534799-05d2 WG2085176
Analysis started at: 7/1/2025 3:52:13 PM
Rack 2
Vial 16
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0026 ppm	125.7337 ppm	0.0318 ppm	0.0104 ppm	0.6113 ppm	0.0074 ppm	20.1586 ppm
Concentration per Run	0.0029 ppm	125.5176 ppm	0.0328 ppm	0.0098 ppm	0.6109 ppm	0.0073 ppm	20.2006 ppm
Concentration per Run	0.0026 ppm	125.5151 ppm	0.0316 ppm	0.0104 ppm	0.6094 ppm	0.0074 ppm	20.1273 ppm
Concentration per Run	0.0024 ppm	126.1684 ppm	0.0310 ppm	0.0111 ppm	0.6135 ppm	0.0074 ppm	20.1479 ppm
Concentration RSD	7.9 %	0.3 %	2.8 %	6.4 %	0.3 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0797 ppm	0.1843 ppm	0.1131 ppm	210.4292 ppm	7.2949 ppm	0.1768 ppm
Concentration per Run	-0.0004 ppm	0.0801 ppm	0.1836 ppm	0.1127 ppm	208.8218 ppm	7.2932 ppm	0.1778 ppm
Concentration per Run	-0.0004 ppm	0.0794 ppm	0.1851 ppm	0.1140 ppm	210.2953 ppm	7.2956 ppm	0.1761 ppm
Concentration per Run	-0.0004 ppm	0.0795 ppm	0.1841 ppm	0.1125 ppm	212.1704 ppm	7.2957 ppm	0.1767 ppm
Concentration RSD	5.9 %	0.5 %	0.4 %	0.7 %	0.8 %	0.0 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	49.0342 ppm	1.7287 ppm	0.0100 ppm	1.6190 ppm	0.1652 ppm	0.1274 ppm	0.0068 ppm
Concentration per Run	48.8078 ppm	1.7225 ppm	0.0099 ppm	1.6176 ppm	0.1654 ppm	0.1281 ppm	0.0064 ppm
Concentration per Run	49.1636 ppm	1.7246 ppm	0.0101 ppm	1.6244 ppm	0.1653 ppm	0.1262 ppm	0.0051 ppm
Concentration per Run	49.1312 ppm	1.7391 ppm	0.0099 ppm	1.6150 ppm	0.1649 ppm	0.1279 ppm	0.0090 ppm
Concentration RSD	0.4 %	0.5 %	1.5 %	0.3 %	0.2 %	0.8 %	29.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0054 ppm	2.6910 ppm	0.0046 ppm	0.2473 ppm	0.6570 ppm	0.0030 ppm	0.2959 ppm
Concentration per Run	0.0063 ppm	2.6987 ppm	0.0046 ppm	0.2464 ppm	0.6601 ppm	0.0032 ppm	0.2966 ppm
Concentration per Run	0.0060 ppm	2.6931 ppm	0.0047 ppm	0.2457 ppm	0.6561 ppm	0.0034 ppm	0.2957 ppm
Concentration per Run	0.0037 ppm	2.6810 ppm	0.0044 ppm	0.2496 ppm	0.6548 ppm	0.0025 ppm	0.2955 ppm
Concentration RSD	26.5 %	0.3 %	3.6 %	0.8 %	0.4 %	14.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6119 ppm	99.7005 %	109.0579 %	93.8689 %	116.8663 %	131.9871 %	118.6767 %
Concentration per Run	0.6115 ppm	100.3586 %	109.6885 %	94.0184 %	117.7551 %	132.0780 %	119.1208 %
Concentration per Run	0.6114 ppm	99.1239 %	109.0891 %	93.7393 %	116.1791 %	131.8961 %	118.1957 %
Concentration per Run	0.6127 ppm	99.6189 %	108.3959 %	93.8491 %	116.6646 %	131.9871 %	118.7137 %
Concentration RSD	0.1 %	0.6 %	0.6 %	0.1 %	0.7 %	0.1 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537439-01d2 WG2085176
Analysis started at: 7/1/2025 3:55:38 PM
Rack 2
Vial 17
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0013 ppm	88.7591 ppm	0.0916 ppm	0.0253 ppm	0.3488 ppm	0.0057 ppm	6.1034 ppm
Concentration per Run	0.0018 ppm	88.6035 ppm	0.0890 ppm	0.0266 ppm	0.3447 ppm	0.0057 ppm	6.0707 ppm
Concentration per Run	0.0015 ppm	89.2423 ppm	0.0945 ppm	0.0244 ppm	0.3501 ppm	0.0056 ppm	6.1268 ppm
Concentration per Run	0.0005 ppm	88.4315 ppm	0.0914 ppm	0.0250 ppm	0.3514 ppm	0.0056 ppm	6.1126 ppm
Concentration RSD	52.5 %	0.5 %	3.1 %	4.4 %	1.0 %	0.9 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0021 ppm	0.0645 ppm	0.1708 ppm	0.0771 ppm	244.4105 ppm	6.5797 ppm	0.2004 ppm
Concentration per Run	-0.0021 ppm	0.0643 ppm	0.1708 ppm	0.0771 ppm	244.1593 ppm	6.5982 ppm	0.2002 ppm
Concentration per Run	-0.0019 ppm	0.0647 ppm	0.1698 ppm	0.0771 ppm	244.6503 ppm	6.6165 ppm	0.2020 ppm
Concentration per Run	-0.0022 ppm	0.0644 ppm	0.1719 ppm	0.0770 ppm	244.4217 ppm	6.5243 ppm	0.1990 ppm
Concentration RSD	5.9 %	0.3 %	0.6 %	0.1 %	0.1 %	0.7 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	28.5722 ppm	2.2020 ppm	0.0043 ppm	0.4019 ppm	0.1284 ppm	0.0881 ppm	0.0103 ppm
Concentration per Run	28.3644 ppm	2.1951 ppm	0.0045 ppm	0.4066 ppm	0.1278 ppm	0.0852 ppm	0.0097 ppm
Concentration per Run	28.3035 ppm	2.2110 ppm	0.0047 ppm	0.4036 ppm	0.1278 ppm	0.0899 ppm	0.0067 ppm
Concentration per Run	29.0486 ppm	2.1998 ppm	0.0037 ppm	0.3955 ppm	0.1296 ppm	0.0892 ppm	0.0146 ppm
Concentration RSD	1.4 %	0.4 %	12.2 %	1.4 %	0.8 %	2.9 %	38.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0078 ppm	2.2299 ppm	0.0050 ppm	0.0570 ppm	1.3435 ppm	0.0021 ppm	0.2660 ppm
Concentration per Run	0.0087 ppm	2.2273 ppm	0.0056 ppm	0.0570 ppm	1.3334 ppm	0.0011 ppm	0.2660 ppm
Concentration per Run	0.0085 ppm	2.2225 ppm	0.0045 ppm	0.0570 ppm	1.3355 ppm	0.0028 ppm	0.2648 ppm
Concentration per Run	0.0063 ppm	2.2400 ppm	0.0049 ppm	0.0571 ppm	1.3615 ppm	0.0025 ppm	0.2674 ppm
Concentration RSD	17.3 %	0.4 %	11.4 %	0.1 %	1.2 %	41.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3687 ppm	93.2930 %	106.8745 %	91.4573 %	99.4513 %	113.7795 %	102.4691 %
Concentration per Run	0.3694 ppm	93.6069 %	107.4386 %	91.3693 %	99.4373 %	115.1623 %	102.1245 %
Concentration per Run	0.3667 ppm	93.8378 %	106.2695 %	91.3277 %	100.0030 %	112.7139 %	102.8414 %
Concentration per Run	0.3700 ppm	92.4342 %	106.9154 %	91.6750 %	98.9135 %	113.4624 %	102.4413 %
Concentration RSD	0.5 %	0.8 %	0.5 %	0.2 %	0.5 %	1.1 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537439-02d2 WG2085176
Analysis started at: 7/1/2025 3:59:03 PM
Rack 2
Vial 18
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0003 ppm	160.9706 ppm	0.0331 ppm	0.0434 ppm	0.8225 ppm	0.0080 ppm	13.7200 ppm
Concentration per Run	0.0004 ppm	159.7917 ppm	0.0336 ppm	0.0456 ppm	0.8175 ppm	0.0080 ppm	13.7415 ppm
Concentration per Run	0.0000 ppm	162.1654 ppm	0.0337 ppm	0.0430 ppm	0.8257 ppm	0.0080 ppm	13.6972 ppm
Concentration per Run	0.0005 ppm	160.9548 ppm	0.0322 ppm	0.0417 ppm	0.8244 ppm	0.0081 ppm	13.7214 ppm
Concentration RSD	94.9 %	0.7 %	2.6 %	4.6 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0019 ppm	0.1587 ppm	0.2322 ppm	0.0556 ppm	224.3293 ppm	17.8951 ppm	0.5668 ppm
Concentration per Run	-0.0020 ppm	0.1603 ppm	0.2332 ppm	0.0564 ppm	225.0274 ppm	17.6866 ppm	0.5535 ppm
Concentration per Run	-0.0018 ppm	0.1593 ppm	0.2324 ppm	0.0565 ppm	223.6778 ppm	18.0297 ppm	0.5737 ppm
Concentration per Run	-0.0019 ppm	0.1566 ppm	0.2311 ppm	0.0539 ppm	224.2827 ppm	17.9689 ppm	0.5732 ppm
Concentration RSD	4.2 %	1.2 %	0.5 %	2.7 %	0.3 %	1.0 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	78.5731 ppm	5.6185 ppm	0.0034 ppm	1.2029 ppm	0.2909 ppm	0.1605 ppm	0.0072 ppm
Concentration per Run	78.9262 ppm	5.6257 ppm	0.0036 ppm	1.1847 ppm	0.2912 ppm	0.1621 ppm	0.0066 ppm
Concentration per Run	78.7276 ppm	5.6104 ppm	0.0024 ppm	1.2209 ppm	0.2910 ppm	0.1602 ppm	0.0070 ppm
Concentration per Run	78.0655 ppm	5.6193 ppm	0.0042 ppm	1.2032 ppm	0.2904 ppm	0.1592 ppm	0.0081 ppm
Concentration RSD	0.6 %	0.1 %	26.3 %	1.5 %	0.1 %	0.9 %	10.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0065 ppm	2.7204 ppm	0.0080 ppm	0.1167 ppm	2.7074 ppm	0.0044 ppm	0.2480 ppm
Concentration per Run	0.0070 ppm	2.7212 ppm	0.0089 ppm	0.1164 ppm	2.7188 ppm	0.0056 ppm	0.2491 ppm
Concentration per Run	0.0063 ppm	2.7271 ppm	0.0071 ppm	0.1170 ppm	2.7087 ppm	0.0042 ppm	0.2482 ppm
Concentration per Run	0.0061 ppm	2.7130 ppm	0.0080 ppm	0.1167 ppm	2.6948 ppm	0.0034 ppm	0.2468 ppm
Concentration RSD	7.1 %	0.3 %	11.4 %	0.3 %	0.4 %	24.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7291 ppm	95.3153 %	103.2226 %	90.6864 %	107.2416 %	138.0452 %	110.7828 %
Concentration per Run	0.7298 ppm	95.1838 %	103.3272 %	90.6040 %	107.5048 %	137.4247 %	110.6174 %
Concentration per Run	0.7265 ppm	95.4603 %	103.1179 %	91.0243 %	108.1292 %	138.7859 %	111.4493 %
Concentration per Run	0.7312 ppm	95.3016 %	103.2227 %	90.4308 %	106.0908 %	137.9250 %	110.2819 %
Concentration RSD	0.3 %	0.1 %	0.1 %	0.3 %	1.0 %	0.5 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537439-03d2 WG2085176
Analysis started at: 7/1/2025 4:02:28 PM
Rack 2
Vial 19
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0028 ppm	152.9517 ppm	0.0480 ppm	0.0375 ppm	1.1457 ppm	0.0082 ppm	10.6724 ppm
Concentration per Run	0.0031 ppm	153.1824 ppm	0.0499 ppm	0.0361 ppm	1.1463 ppm	0.0082 ppm	10.6709 ppm
Concentration per Run	0.0026 ppm	152.8867 ppm	0.0470 ppm	0.0382 ppm	1.1434 ppm	0.0082 ppm	10.7536 ppm
Concentration per Run	0.0028 ppm	152.7861 ppm	0.0471 ppm	0.0381 ppm	1.1473 ppm	0.0081 ppm	10.5927 ppm
Concentration RSD	8.9 %	0.1 %	3.4 %	3.1 %	0.2 %	0.6 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0008 ppm	0.1447 ppm	0.2068 ppm	0.1305 ppm	231.2687 ppm	13.2599 ppm	0.4853 ppm
Concentration per Run	-0.0006 ppm	0.1448 ppm	0.2047 ppm	0.1312 ppm	230.8671 ppm	13.2322 ppm	0.4863 ppm
Concentration per Run	-0.0008 ppm	0.1445 ppm	0.2079 ppm	0.1302 ppm	232.6383 ppm	13.2712 ppm	0.4813 ppm
Concentration per Run	-0.0008 ppm	0.1449 ppm	0.2077 ppm	0.1300 ppm	230.3007 ppm	13.2765 ppm	0.4883 ppm
Concentration RSD	14.6 %	0.1 %	0.9 %	0.5 %	0.5 %	0.2 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	60.4176 ppm	6.8953 ppm	0.0063 ppm	1.0936 ppm	0.2677 ppm	0.2205 ppm	0.0105 ppm
Concentration per Run	60.1591 ppm	6.9013 ppm	0.0062 ppm	1.0987 ppm	0.2671 ppm	0.2205 ppm	0.0137 ppm
Concentration per Run	60.9700 ppm	6.9208 ppm	0.0067 ppm	1.0926 ppm	0.2686 ppm	0.2218 ppm	0.0101 ppm
Concentration per Run	60.1236 ppm	6.8638 ppm	0.0060 ppm	1.0897 ppm	0.2673 ppm	0.2193 ppm	0.0076 ppm
Concentration RSD	0.8 %	0.4 %	6.0 %	0.4 %	0.3 %	0.6 %	29.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0060 ppm	2.9789 ppm	0.0092 ppm	0.0898 ppm	2.1708 ppm	0.0033 ppm	0.2872 ppm
Concentration per Run	0.0064 ppm	2.9756 ppm	0.0078 ppm	0.0898 ppm	2.1603 ppm	0.0030 ppm	0.2868 ppm
Concentration per Run	0.0063 ppm	2.9832 ppm	0.0096 ppm	0.0899 ppm	2.1888 ppm	0.0045 ppm	0.2880 ppm
Concentration per Run	0.0055 ppm	2.9778 ppm	0.0100 ppm	0.0897 ppm	2.1634 ppm	0.0025 ppm	0.2867 ppm
Concentration RSD	8.1 %	0.1 %	13.1 %	0.1 %	0.7 %	30.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6874 ppm	98.4880 %	107.7409 %	90.6071 %	115.4474 %	129.9857 %	117.2543 %
Concentration per Run	0.6896 ppm	98.2212 %	107.6657 %	90.6417 %	114.9003 %	130.4747 %	117.5139 %
Concentration per Run	0.6856 ppm	98.5629 %	107.1061 %	90.4453 %	115.6933 %	128.8627 %	117.0871 %
Concentration per Run	0.6870 ppm	98.6801 %	108.4510 %	90.7344 %	115.7487 %	130.6196 %	117.1620 %
Concentration RSD	0.3 %	0.2 %	0.6 %	0.2 %	0.4 %	0.8 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537499-07d2 WG2085176
Analysis started at: 7/1/2025 4:05:53 PM
Rack 2
Vial 20
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0041 ppm	33.5760 ppm	0.1821 ppm	0.0326 ppm	0.1107 ppm	0.0044 ppm	3.1303 ppm
Concentration per Run	0.0038 ppm	33.7235 ppm	0.1817 ppm	0.0343 ppm	0.1118 ppm	0.0044 ppm	3.1389 ppm
Concentration per Run	0.0043 ppm	33.6963 ppm	0.1822 ppm	0.0326 ppm	0.1104 ppm	0.0044 ppm	3.1273 ppm
Concentration per Run	0.0043 ppm	33.3082 ppm	0.1826 ppm	0.0311 ppm	0.1101 ppm	0.0044 ppm	3.1246 ppm
Concentration RSD	7.3 %	0.7 %	0.3 %	4.9 %	0.8 %	0.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0019 ppm	0.0186 ppm	0.3103 ppm	0.0696 ppm	299.4531 ppm	3.6179 ppm	0.0156 ppm
Concentration per Run	-0.0019 ppm	0.0185 ppm	0.3112 ppm	0.0704 ppm	299.3286 ppm	3.6258 ppm	0.0155 ppm
Concentration per Run	-0.0019 ppm	0.0186 ppm	0.3100 ppm	0.0693 ppm	300.4263 ppm	3.6225 ppm	0.0159 ppm
Concentration per Run	-0.0019 ppm	0.0187 ppm	0.3098 ppm	0.0691 ppm	298.6044 ppm	3.6054 ppm	0.0155 ppm
Concentration RSD	0.3 %	0.4 %	0.3 %	1.0 %	0.3 %	0.3 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.6367 ppm	0.2584 ppm	0.0028 ppm	0.2123 ppm	0.0310 ppm	0.1001 ppm	0.0132 ppm
Concentration per Run	3.6564 ppm	0.2593 ppm	0.0030 ppm	0.2140 ppm	0.0326 ppm	0.1003 ppm	0.0135 ppm
Concentration per Run	3.6280 ppm	0.2585 ppm	0.0026 ppm	0.2144 ppm	0.0301 ppm	0.1002 ppm	0.0124 ppm
Concentration per Run	3.6257 ppm	0.2574 ppm	0.0028 ppm	0.2083 ppm	0.0303 ppm	0.0997 ppm	0.0137 ppm
Concentration RSD	0.5 %	0.4 %	6.5 %	1.6 %	4.4 %	0.3 %	5.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0089 ppm	2.8212 ppm	0.0066 ppm	0.0192 ppm	0.6825 ppm	0.0038 ppm	0.3847 ppm
Concentration per Run	0.0090 ppm	2.8275 ppm	0.0068 ppm	0.0193 ppm	0.6835 ppm	0.0043 ppm	0.3871 ppm
Concentration per Run	0.0083 ppm	2.8196 ppm	0.0060 ppm	0.0191 ppm	0.6838 ppm	0.0049 ppm	0.3835 ppm
Concentration per Run	0.0093 ppm	2.8164 ppm	0.0070 ppm	0.0191 ppm	0.6802 ppm	0.0021 ppm	0.3834 ppm
Concentration RSD	6.0 %	0.2 %	7.9 %	0.5 %	0.3 %	39.8 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1914 ppm	96.6086 %	105.9798 %	91.4560 %	108.0371 %	121.7380 %	109.9632 %
Concentration per Run	0.1929 ppm	95.8748 %	106.1929 %	90.6318 %	107.9531 %	120.9892 %	109.0883 %
Concentration per Run	0.1911 ppm	97.1649 %	105.8923 %	91.6496 %	108.3942 %	122.8879 %	110.3138 %
Concentration per Run	0.1902 ppm	96.7859 %	105.8543 %	92.0865 %	107.7639 %	121.3369 %	110.4876 %
Concentration RSD	0.7 %	0.7 %	0.2 %	0.8 %	0.3 %	0.8 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537499-08d2 WG2085176
Analysis started at: 7/1/2025 4:09:18 PM
Rack 2
Vial 21
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0039 ppm	36.1423 ppm	0.2062 ppm	0.0440 ppm	0.1138 ppm	0.0041 ppm	4.6066 ppm
Concentration per Run	0.0038 ppm	36.1254 ppm	0.2082 ppm	0.0426 ppm	0.1132 ppm	0.0041 ppm	4.6019 ppm
Concentration per Run	0.0040 ppm	36.0246 ppm	0.2055 ppm	0.0432 ppm	0.1142 ppm	0.0041 ppm	4.6026 ppm
Concentration per Run	0.0038 ppm	36.2767 ppm	0.2049 ppm	0.0462 ppm	0.1141 ppm	0.0041 ppm	4.6151 ppm
Concentration RSD	3.4 %	0.4 %	0.9 %	4.5 %	0.5 %	0.9 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0022 ppm	0.0217 ppm	0.3826 ppm	0.1209 ppm	311.5992 ppm	5.6751 ppm	0.0289 ppm
Concentration per Run	-0.0022 ppm	0.0216 ppm	0.3857 ppm	0.1211 ppm	311.4240 ppm	5.6497 ppm	0.0287 ppm
Concentration per Run	-0.0022 ppm	0.0215 ppm	0.3783 ppm	0.1216 ppm	311.3733 ppm	5.6766 ppm	0.0290 ppm
Concentration per Run	-0.0023 ppm	0.0220 ppm	0.3839 ppm	0.1201 ppm	312.0002 ppm	5.6990 ppm	0.0291 ppm
Concentration RSD	2.3 %	1.2 %	1.0 %	0.6 %	0.1 %	0.4 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.4797 ppm	0.3195 ppm	0.0037 ppm	0.3851 ppm	0.0421 ppm	0.0937 ppm	0.0148 ppm
Concentration per Run	6.5155 ppm	0.3199 ppm	0.0031 ppm	0.3857 ppm	0.0427 ppm	0.0939 ppm	0.0161 ppm
Concentration per Run	6.4394 ppm	0.3187 ppm	0.0042 ppm	0.3837 ppm	0.0418 ppm	0.0933 ppm	0.0143 ppm
Concentration per Run	6.4843 ppm	0.3198 ppm	0.0036 ppm	0.3859 ppm	0.0419 ppm	0.0939 ppm	0.0140 ppm
Concentration RSD	0.6 %	0.2 %	14.8 %	0.3 %	1.2 %	0.3 %	7.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0073 ppm	2.9598 ppm	0.0068 ppm	0.0339 ppm	0.9267 ppm	0.0018 ppm	0.4558 ppm
Concentration per Run	0.0070 ppm	2.9645 ppm	0.0070 ppm	0.0341 ppm	0.9287 ppm	0.0017 ppm	0.4578 ppm
Concentration per Run	0.0082 ppm	2.9571 ppm	0.0069 ppm	0.0338 ppm	0.9281 ppm	0.0013 ppm	0.4545 ppm
Concentration per Run	0.0066 ppm	2.9577 ppm	0.0065 ppm	0.0339 ppm	0.9233 ppm	0.0024 ppm	0.4551 ppm
Concentration RSD	11.3 %	0.1 %	4.2 %	0.4 %	0.3 %	30.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2389 ppm	97.0406 %	105.6785 %	91.7932 %	108.2378 %	121.0450 %	109.7535 %
Concentration per Run	0.2392 ppm	96.7324 %	105.9481 %	91.7028 %	107.1792 %	122.3100 %	109.5554 %
Concentration per Run	0.2399 ppm	97.3775 %	105.9634 %	91.1364 %	109.4148 %	120.4889 %	108.7765 %
Concentration per Run	0.2376 ppm	97.0120 %	105.1238 %	92.5404 %	108.1194 %	120.3362 %	110.9285 %
Concentration RSD	0.5 %	0.3 %	0.5 %	0.8 %	1.0 %	0.9 %	1.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 4:12:44 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5203 ppm	0.4900 ppm	0.4925 ppm	0.5209 ppm	0.5084 ppm	0.5119 ppm	0.4912 ppm
Concentration per Run	0.5192 ppm	0.4918 ppm	0.4901 ppm	0.5177 ppm	0.5066 ppm	0.5107 ppm	0.4877 ppm
Concentration per Run	0.5190 ppm	0.4933 ppm	0.4934 ppm	0.5214 ppm	0.5079 ppm	0.5150 ppm	0.4937 ppm
Concentration per Run	0.5226 ppm	0.4849 ppm	0.4939 ppm	0.5237 ppm	0.5109 ppm	0.5101 ppm	0.4924 ppm
Recovery Percentage	104.054 %	97.999 %	98.494 %	104.188 %	101.689 %	102.381 %	98.248 %
Concentration RSD	0.4 %	0.9 %	0.4 %	0.6 %	0.4 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4921 ppm	0.5106 ppm	0.5241 ppm	0.5238 ppm	0.5559 ppm	5.4437 ppm	0.5238 ppm
Concentration per Run	0.4951 ppm	0.5113 ppm	0.5253 ppm	0.5225 ppm	0.5580 ppm	5.4993 ppm	0.5276 ppm
Concentration per Run	0.4883 ppm	0.5082 ppm	0.5207 ppm	0.5237 ppm	0.5573 ppm	5.3965 ppm	0.5205 ppm
Concentration per Run	0.4931 ppm	0.5124 ppm	0.5262 ppm	0.5251 ppm	0.5522 ppm	5.4353 ppm	0.5233 ppm
Recovery Percentage	98.427 %	102.123 %	104.811 %	104.755 %	111.171 %	108.874 %	104.763 %
Concentration RSD	0.7 %	0.4 %	0.6 %	0.3 %	0.6 %	1.0 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5223 ppm	0.5005 ppm	0.4938 ppm	11.0106 ppm	0.5260 ppm	0.5019 ppm	0.5116 ppm
Concentration per Run	0.5255 ppm	0.4986 ppm	0.4936 ppm	11.1453 ppm	0.5271 ppm	0.5017 ppm	0.5162 ppm
Concentration per Run	0.5175 ppm	0.5032 ppm	0.4929 ppm	10.9126 ppm	0.5250 ppm	0.5017 ppm	0.5073 ppm
Concentration per Run	0.5238 ppm	0.4997 ppm	0.4950 ppm	10.9738 ppm	0.5260 ppm	0.5024 ppm	0.5113 ppm
Recovery Percentage	104.456 %	100.101 %	98.768 %	110.106 %	105.208 %	100.388 %	102.321 %
Concentration RSD	0.8 %	0.5 %	0.2 %	1.1 %	0.2 %	0.1 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5071 ppm	5.6534 ppm	0.5253 ppm	0.5122 ppm	0.5283 ppm	0.5044 ppm	0.5202 ppm
Concentration per Run	0.5041 ppm	5.6374 ppm	0.5263 ppm	0.5114 ppm	0.5288 ppm	0.5020 ppm	0.5202 ppm
Concentration per Run	0.5083 ppm	5.6637 ppm	0.5242 ppm	0.5127 ppm	0.5262 ppm	0.5072 ppm	0.5200 ppm
Concentration per Run	0.5089 ppm	5.6590 ppm	0.5254 ppm	0.5126 ppm	0.5300 ppm	0.5040 ppm	0.5205 ppm
Recovery Percentage	101.413 %	107.683 %	105.060 %	102.443 %	105.663 %	100.879 %	104.049 %
Concentration RSD	0.5 %	0.2 %	0.2 %	0.1 %	0.4 %	0.5 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5188 ppm	94.3886 %	102.5115 %	93.7539 %	93.7671 %	104.4227 %	94.6363 %
Concentration per Run	0.5201 ppm	94.0877 %	102.9259 %	94.0550 %	93.1818 %	105.1366 %	94.6361 %
Concentration per Run	0.5182 ppm	94.6396 %	101.8693 %	93.4232 %	93.3269 %	104.5796 %	94.4664 %
Concentration per Run	0.5180 ppm	94.4386 %	102.7392 %	93.7836 %	94.7927 %	103.5517 %	94.8063 %
Recovery Percentage	103.753 %						
Concentration RSD	0.2 %	0.3 %	0.6 %	0.3 %	1.0 %	0.8 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 4:16:08 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	-0.0057 ppm	-0.0004 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0078 ppm
Concentration per Run	-0.0008 ppm	-0.0040 ppm	0.0006 ppm	0.0012 ppm	0.0002 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run	-0.0011 ppm	-0.0038 ppm	-0.0009 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0071 ppm
Concentration per Run	-0.0005 ppm	-0.0092 ppm	-0.0010 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm	0.0086 ppm
Recovery Percentage	-16.534 %	-5.693 %	-8.622 %	5.972 %	1.213 %	1.195 %	7.799 %
Concentration RSD	38.1 %	54.1 %	201.9 %	29.1 %	37.8 %	9.3 %	9.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0006 ppm	0.0007 ppm	0.0015 ppm	0.0074 ppm	0.0033 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	0.0078 ppm	-0.0100 ppm	-0.0009 ppm
Concentration per Run	0.0002 ppm	-0.0013 ppm	0.0009 ppm	0.0013 ppm	0.0077 ppm	0.0086 ppm	-0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0008 ppm	0.0016 ppm	0.0068 ppm	0.0112 ppm	-0.0006 ppm
Recovery Percentage	3.101 %	-5.628 %	7.348 %	15.337 %	14.862 %	0.131 %	-8.380 %
Concentration RSD	21.0 %	116.3 %	24.6 %	14.5 %	7.4 %	353.3 %	32.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0019 ppm	0.0001 ppm	0.0035 ppm	0.0010 ppm	-0.0005 ppm	-0.0010 ppm	0.0017 ppm
Concentration per Run	-0.0021 ppm	0.0001 ppm	0.0038 ppm	0.0020 ppm	-0.0001 ppm	-0.0010 ppm	0.0034 ppm
Concentration per Run	-0.0027 ppm	0.0000 ppm	0.0040 ppm	0.0021 ppm	-0.0004 ppm	-0.0014 ppm	-0.0026 ppm
Concentration per Run	-0.0008 ppm	0.0001 ppm	0.0028 ppm	-0.0012 ppm	-0.0009 ppm	-0.0004 ppm	0.0042 ppm
Recovery Percentage	-1.882 %	1.029 %	6.998 %	0.048 %	-1.885 %	-9.619 %	3.384 %
Concentration RSD	51.1 %	55.0 %	18.4 %	197.6 %	84.3 %	52.7 %	218.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0081 ppm	0.0041 ppm	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run	0.0090 ppm	0.0028 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run	0.0066 ppm	0.0063 ppm	-0.0002 ppm	0.0000 ppm	0.0010 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run	0.0087 ppm	0.0033 ppm	-0.0002 ppm	0.0000 ppm	0.0008 ppm	0.0014 ppm	-0.0003 ppm
Recovery Percentage	81.189 %	0.828 %	-0.179 %	0.204 %	8.481 %	4.549 %	-0.459 %
Concentration RSD	15.9 %	45.7 %	208.1 %	113.5 %	12.0 %	58.8 %	583.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	92.4355 %	102.1055 %	93.4713 %	93.5998 %	104.9217 %	95.0188 %
Concentration per Run	0.0004 ppm	92.3968 %	102.9792 %	93.8397 %	93.9769 %	106.8923 %	95.2161 %
Concentration per Run	0.0003 ppm	92.3684 %	101.7797 %	93.2690 %	93.2269 %	104.2903 %	95.0551 %
Concentration per Run	0.0003 ppm	92.5414 %	101.5576 %	93.3053 %	93.5956 %	103.5825 %	94.7852 %
Recovery Percentage	6.727 %						
Concentration RSD	24.0 %	0.1 %	0.7 %	0.3 %	0.4 %	1.7 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 4:27:09 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5173 ppm	0.4865 ppm	0.4876 ppm	0.5163 ppm	0.5060 ppm	0.5060 ppm	0.4858 ppm
Concentration per Run	0.5166 ppm	0.4865 ppm	0.4838 ppm	0.5157 ppm	0.5063 ppm	0.5083 ppm	0.4864 ppm
Concentration per Run	0.5161 ppm	0.4818 ppm	0.4897 ppm	0.5176 ppm	0.5060 ppm	0.5044 ppm	0.4842 ppm
Concentration per Run	0.5191 ppm	0.4912 ppm	0.4893 ppm	0.5156 ppm	0.5055 ppm	0.5052 ppm	0.4867 ppm
Recovery Percentage	103.453 %	97.299 %	97.522 %	103.265 %	101.192 %	101.195 %	97.153 %
Concentration RSD	0.3 %	1.0 %	0.7 %	0.2 %	0.1 %	0.4 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4920 ppm	0.5087 ppm	0.5213 ppm	0.5212 ppm	0.5098 ppm	5.4578 ppm	0.5216 ppm
Concentration per Run	0.4913 ppm	0.5081 ppm	0.5188 ppm	0.5202 ppm	0.5164 ppm	5.4537 ppm	0.5134 ppm
Concentration per Run	0.4922 ppm	0.5083 ppm	0.5228 ppm	0.5196 ppm	0.5072 ppm	5.4573 ppm	0.5261 ppm
Concentration per Run	0.4926 ppm	0.5098 ppm	0.5224 ppm	0.5239 ppm	0.5057 ppm	5.4623 ppm	0.5253 ppm
Recovery Percentage	98.403 %	101.745 %	104.265 %	104.239 %	101.955 %	109.156 %	104.315 %
Concentration RSD	0.1 %	0.2 %	0.4 %	0.4 %	1.1 %	0.1 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5195 ppm	0.4963 ppm	0.4893 ppm	10.7110 ppm	0.5231 ppm	0.4982 ppm	0.5100 ppm
Concentration per Run	0.5164 ppm	0.4974 ppm	0.4860 ppm	10.5689 ppm	0.5217 ppm	0.4960 ppm	0.5067 ppm
Concentration per Run	0.5225 ppm	0.4970 ppm	0.4909 ppm	10.8445 ppm	0.5238 ppm	0.4978 ppm	0.5122 ppm
Concentration per Run	0.5197 ppm	0.4944 ppm	0.4909 ppm	10.7197 ppm	0.5238 ppm	0.5008 ppm	0.5112 ppm
Recovery Percentage	103.905 %	99.251 %	97.855 %	107.110 %	104.625 %	99.641 %	102.003 %
Concentration RSD	0.6 %	0.3 %	0.6 %	1.3 %	0.2 %	0.5 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5054 ppm	5.6019 ppm	0.5228 ppm	0.5121 ppm	0.5230 ppm	0.4988 ppm	0.5171 ppm
Concentration per Run	0.4981 ppm	5.5835 ppm	0.5185 ppm	0.5135 ppm	0.5214 ppm	0.4965 ppm	0.5161 ppm
Concentration per Run	0.5046 ppm	5.6105 ppm	0.5280 ppm	0.5119 ppm	0.5241 ppm	0.4997 ppm	0.5173 ppm
Concentration per Run	0.5135 ppm	5.6117 ppm	0.5220 ppm	0.5110 ppm	0.5235 ppm	0.5001 ppm	0.5179 ppm
Recovery Percentage	101.079 %	106.703 %	104.567 %	102.426 %	104.602 %	99.751 %	103.418 %
Concentration RSD	1.5 %	0.3 %	0.9 %	0.3 %	0.3 %	0.4 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5156 ppm	94.5422 %	102.4909 %	93.8416 %	94.0235 %	104.2656 %	94.5265 %
Concentration per Run	0.5140 ppm	94.8729 %	102.6709 %	94.2846 %	94.3950 %	106.1231 %	94.6246 %
Concentration per Run	0.5180 ppm	94.2974 %	102.1712 %	93.6491 %	93.6897 %	102.2196 %	94.4428 %
Concentration per Run	0.5146 ppm	94.4562 %	102.6307 %	93.5910 %	93.9858 %	104.4543 %	94.5123 %
Recovery Percentage	103.112 %						
Concentration RSD	0.4 %	0.3 %	0.3 %	0.4 %	0.4 %	1.9 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 4:30:40 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	-0.0044 ppm	-0.0001 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run	-0.0010 ppm	-0.0026 ppm	-0.0018 ppm	0.0024 ppm	0.0000 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run	-0.0006 ppm	-0.0030 ppm	0.0018 ppm	0.0022 ppm	0.0001 ppm	0.0001 ppm	0.0077 ppm
Concentration per Run	-0.0012 ppm	-0.0075 ppm	-0.0004 ppm	0.0031 ppm	0.0000 ppm	0.0000 ppm	0.0084 ppm
Recovery Percentage	-18.849 %	-4.367 %	-2.337 %	8.514 %	0.544 %	0.885 %	8.353 %
Concentration RSD	33.1 %	62.7 %	1,541.2 %	17.6 %	60.2 %	37.0 %	7.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0007 ppm	0.0002 ppm	0.0014 ppm	0.0024 ppm	-0.0026 ppm	-0.0011 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0012 ppm	0.0023 ppm	-0.0233 ppm	-0.0015 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	0.0004 ppm	0.0015 ppm	0.0023 ppm	0.0008 ppm	-0.0013 ppm
Concentration per Run	0.0000 ppm	-0.0009 ppm	-0.0001 ppm	0.0014 ppm	0.0025 ppm	0.0145 ppm	-0.0006 ppm
Recovery Percentage	0.241 %	-6.589 %	1.921 %	13.703 %	4.708 %	-0.106 %	-11.451 %
Concentration RSD	1,264.1 %	53.5 %	156.5 %	10.6 %	4.5 %	725.0 %	40.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0017 ppm	0.0002 ppm	0.0052 ppm	0.0024 ppm	-0.0006 ppm	-0.0009 ppm	0.0020 ppm
Concentration per Run	-0.0040 ppm	0.0000 ppm	0.0051 ppm	0.0013 ppm	0.0004 ppm	-0.0001 ppm	0.0028 ppm
Concentration per Run	-0.0009 ppm	0.0002 ppm	0.0051 ppm	0.0059 ppm	-0.0012 ppm	-0.0008 ppm	-0.0007 ppm
Concentration per Run	-0.0002 ppm	0.0003 ppm	0.0054 ppm	0.0001 ppm	-0.0011 ppm	-0.0019 ppm	0.0038 ppm
Recovery Percentage	-1.689 %	1.624 %	10.370 %	0.121 %	-2.487 %	-9.060 %	3.930 %
Concentration RSD	119.1 %	108.7 %	4.1 %	127.5 %	144.3 %	98.4 %	120.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0107 ppm	0.0062 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run	0.0107 ppm	0.0045 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run	0.0117 ppm	0.0055 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run	0.0097 ppm	0.0085 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0010 ppm	-0.0004 ppm
Recovery Percentage	106.900 %	1.231 %	-0.035 %	-0.161 %	6.772 %	-3.592 %	-0.972 %
Concentration RSD	9.0 %	33.6 %	1,090.7 %	85.6 %	49.7 %	49.5 %	322.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	92.6326 %	101.4414 %	92.7212 %	93.8571 %	103.8433 %	94.4656 %
Concentration per Run	0.0000 ppm	92.5446 %	102.9109 %	93.1617 %	94.6137 %	105.4139 %	95.0071 %
Concentration per Run	0.0004 ppm	92.8895 %	100.9303 %	92.0710 %	93.4833 %	102.8214 %	93.9015 %
Concentration per Run	0.0001 ppm	92.4637 %	100.4831 %	92.9307 %	93.4744 %	103.2947 %	94.4881 %
Recovery Percentage	2.938 %						
Concentration RSD	154.1 %	0.2 %	1.3 %	0.6 %	0.7 %	1.3 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LDR 400 Fe
Analysis started at: 7/1/2025 4:39:09 PM
Rack 2
Vial 27
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0044 ppm	0.0273 ppm	-0.0005 ppm	0.0011 ppm	0.0004 ppm	0.0000 ppm	0.0102 ppm
Concentration per Run	0.0049 ppm	0.0211 ppm	-0.0023 ppm	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0120 ppm
Concentration per Run	0.0041 ppm	0.0306 ppm	-0.0001 ppm	0.0015 ppm	0.0003 ppm	0.0000 ppm	0.0089 ppm
Concentration per Run	0.0043 ppm	0.0301 ppm	0.0008 ppm	0.0020 ppm	0.0004 ppm	0.0000 ppm	0.0096 ppm
Concentration RSD	10.0 %	19.6 %	288.7 %	101.1 %	10.1 %	96.8 %	16.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0030 ppm	-0.0025 ppm	0.0009 ppm	-0.0157 ppm	407.3498 [SIC 500]	-0.0629 ppm	0.0002 ppm
Concentration per Run	-0.0030 ppm	-0.0025 ppm	0.0009 ppm	-0.0145 ppm	403.7664 ppm	-0.0699 ppm	0.0001 ppm
Concentration per Run	-0.0030 ppm	-0.0023 ppm	0.0010 ppm	-0.0163 ppm	409.2118 ppm	-0.0668 ppm	-0.0001 ppm
Concentration per Run	-0.0030 ppm	-0.0026 ppm	0.0008 ppm	-0.0163 ppm	409.0711 ppm	-0.0520 ppm	0.0005 ppm
Concentration RSD	1.2 %	6.6 %	13.2 %	6.6 %	0.8 %	15.2 %	170.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0652 ppm	0.0007 ppm	-0.0012 ppm	0.0051 ppm	-0.0019 ppm	-0.0025 ppm	0.0169 ppm
Concentration per Run	-0.0649 ppm	0.0007 ppm	-0.0016 ppm	0.0059 ppm	-0.0017 ppm	-0.0028 ppm	0.0194 ppm
Concentration per Run	-0.0625 ppm	0.0006 ppm	-0.0011 ppm	0.0039 ppm	-0.0023 ppm	-0.0020 ppm	0.0173 ppm
Concentration per Run	-0.0682 ppm	0.0008 ppm	-0.0010 ppm	0.0056 ppm	-0.0017 ppm	-0.0028 ppm	0.0139 ppm
Concentration RSD	4.4 %	9.3 %	23.2 %	20.9 %	19.3 %	17.2 %	16.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0055 ppm	0.0026 ppm	0.0007 ppm	0.0002 ppm	0.0007 ppm	0.0018 ppm	-0.0007 ppm
Concentration per Run	0.0028 ppm	0.0010 ppm	0.0007 ppm	0.0002 ppm	0.0007 ppm	0.0018 ppm	-0.0006 ppm
Concentration per Run	0.0057 ppm	0.0020 ppm	-0.0004 ppm	0.0003 ppm	0.0006 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run	0.0080 ppm	0.0048 ppm	0.0017 ppm	0.0002 ppm	0.0008 ppm	0.0027 ppm	-0.0012 ppm
Concentration RSD	47.2 %	76.3 %	151.6 %	7.6 %	8.3 %	52.1 %	74.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	99.2338 %	100.5225 %	91.9494 %	99.3861 %	104.1874 %	98.5536 %
Concentration per Run	0.0001 ppm	99.0496 %	102.1747 %	91.4032 %	98.7191 %	105.9461 %	98.2428 %
Concentration per Run	0.0001 ppm	99.3584 %	99.6022 %	92.6684 %	100.1068 %	102.7165 %	99.1437 %
Concentration per Run	0.0002 ppm	99.2934 %	99.7905 %	91.7766 %	99.3325 %	103.8995 %	98.2745 %
Concentration RSD	26.2 %	0.2 %	1.4 %	0.7 %	0.7 %	1.6 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537499-09d2 WG2085176
Analysis started at: 7/1/2025 4:53:26 PM
Rack 2
Vial 22
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0053 ppm	31.1794 ppm	0.1489 ppm	0.0286 ppm	0.0899 ppm	0.0031 ppm	1.9361 ppm
Concentration per Run	0.0048 ppm	31.0015 ppm	0.1509 ppm	0.0282 ppm	0.0902 ppm	0.0031 ppm	1.9310 ppm
Concentration per Run	0.0055 ppm	31.1146 ppm	0.1474 ppm	0.0284 ppm	0.0896 ppm	0.0031 ppm	1.9281 ppm
Concentration per Run	0.0055 ppm	31.4223 ppm	0.1483 ppm	0.0291 ppm	0.0899 ppm	0.0031 ppm	1.9491 ppm
Concentration RSD	8.1 %	0.7 %	1.2 %	1.7 %	0.4 %	0.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0027 ppm	0.0048 ppm	0.2803 ppm	0.1175 ppm	403.7321 [SIC 500]	3.1679 ppm	0.0121 ppm
Concentration per Run	-0.0029 ppm	0.0046 ppm	0.2823 ppm	0.1172 ppm	402.9396 ppm	3.1993 ppm	0.0121 ppm
Concentration per Run	-0.0027 ppm	0.0048 ppm	0.2777 ppm	0.1179 ppm	403.4328 ppm	3.1450 ppm	0.0120 ppm
Concentration per Run	-0.0026 ppm	0.0051 ppm	0.2810 ppm	0.1175 ppm	404.8237 ppm	3.1593 ppm	0.0122 ppm
Concentration RSD	4.6 %	5.6 %	0.8 %	0.3 %	0.2 %	0.9 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.0432 ppm	0.1390 ppm	0.0011 ppm	0.3256 ppm	0.0183 ppm	0.0926 ppm	0.0180 ppm
Concentration per Run	4.0985 ppm	0.1381 ppm	0.0013 ppm	0.3232 ppm	0.0186 ppm	0.0920 ppm	0.0176 ppm
Concentration per Run	4.0034 ppm	0.1389 ppm	0.0013 ppm	0.3251 ppm	0.0178 ppm	0.0933 ppm	0.0163 ppm
Concentration per Run	4.0278 ppm	0.1399 ppm	0.0006 ppm	0.3287 ppm	0.0185 ppm	0.0925 ppm	0.0201 ppm
Concentration RSD	1.2 %	0.6 %	40.8 %	0.9 %	2.4 %	0.7 %	10.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0067 ppm	3.5392 ppm	0.0118 ppm	0.0213 ppm	0.5747 ppm	0.0038 ppm	0.4019 ppm
Concentration per Run	0.0058 ppm	3.5480 ppm	0.0110 ppm	0.0214 ppm	0.5815 ppm	0.0047 ppm	0.4047 ppm
Concentration per Run	0.0085 ppm	3.5283 ppm	0.0112 ppm	0.0211 ppm	0.5688 ppm	0.0035 ppm	0.4011 ppm
Concentration per Run	0.0059 ppm	3.5412 ppm	0.0131 ppm	0.0213 ppm	0.5739 ppm	0.0033 ppm	0.3998 ppm
Concentration RSD	22.8 %	0.3 %	9.8 %	0.8 %	1.1 %	20.3 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1675 ppm	95.8875 %	104.0418 %	89.1496 %	98.4821 %	109.1410 %	100.4793 %
Concentration per Run	0.1676 ppm	95.7387 %	104.4112 %	89.1557 %	99.4312 %	109.6022 %	100.9166 %
Concentration per Run	0.1679 ppm	95.7798 %	103.9662 %	89.0101 %	97.7681 %	109.2954 %	100.0896 %
Concentration per Run	0.1671 ppm	96.1441 %	103.7481 %	89.2829 %	98.2468 %	108.5256 %	100.4316 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	0.9 %	0.5 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537499-15d2 WG2085176
Analysis started at: 7/1/2025 4:56:58 PM
Rack 2
Vial 23
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0054 ppm	47.5829 ppm	0.4659 ppm	0.0314 ppm	0.1159 ppm	0.0026 ppm	3.7758 ppm
Concentration per Run	0.0055 ppm	47.4939 ppm	0.4632 ppm	0.0330 ppm	0.1168 ppm	0.0026 ppm	3.7514 ppm
Concentration per Run	0.0050 ppm	47.4440 ppm	0.4702 ppm	0.0288 ppm	0.1154 ppm	0.0026 ppm	3.7509 ppm
Concentration per Run	0.0058 ppm	47.8110 ppm	0.4642 ppm	0.0325 ppm	0.1154 ppm	0.0026 ppm	3.8250 ppm
Concentration RSD	7.0 %	0.4 %	0.8 %	7.2 %	0.7 %	0.4 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0025 ppm	0.0087 ppm	0.2005 ppm	0.0604 ppm	373.7408 ppm	2.1345 ppm	0.0131 ppm
Concentration per Run	-0.0025 ppm	0.0085 ppm	0.2026 ppm	0.0610 ppm	373.7273 ppm	2.1431 ppm	0.0134 ppm
Concentration per Run	-0.0025 ppm	0.0086 ppm	0.2005 ppm	0.0599 ppm	372.2406 ppm	2.1286 ppm	0.0130 ppm
Concentration per Run	-0.0025 ppm	0.0088 ppm	0.1984 ppm	0.0604 ppm	375.2546 ppm	2.1317 ppm	0.0130 ppm
Concentration RSD	0.1 %	1.8 %	1.1 %	0.9 %	0.4 %	0.4 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.0525 ppm	0.2183 ppm	0.0036 ppm	0.3431 ppm	0.0197 ppm	0.0948 ppm	0.0166 ppm
Concentration per Run	3.0834 ppm	0.2180 ppm	0.0039 ppm	0.3442 ppm	0.0197 ppm	0.0947 ppm	0.0184 ppm
Concentration per Run	3.0541 ppm	0.2170 ppm	0.0036 ppm	0.3389 ppm	0.0197 ppm	0.0951 ppm	0.0190 ppm
Concentration per Run	3.0199 ppm	0.2199 ppm	0.0033 ppm	0.3462 ppm	0.0196 ppm	0.0947 ppm	0.0124 ppm
Concentration RSD	1.0 %	0.7 %	8.9 %	1.1 %	0.5 %	0.3 %	21.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0098 ppm	2.9559 ppm	0.0064 ppm	0.0200 ppm	0.5939 ppm	0.0055 ppm	1.0534 ppm
Concentration per Run	0.0093 ppm	2.9770 ppm	0.0078 ppm	0.0200 ppm	0.5978 ppm	0.0040 ppm	1.0525 ppm
Concentration per Run	0.0119 ppm	2.9467 ppm	0.0049 ppm	0.0198 ppm	0.5945 ppm	0.0068 ppm	1.0559 ppm
Concentration per Run	0.0083 ppm	2.9439 ppm	0.0066 ppm	0.0200 ppm	0.5893 ppm	0.0056 ppm	1.0518 ppm
Concentration RSD	18.8 %	0.6 %	22.8 %	0.5 %	0.7 %	25.7 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1607 ppm	95.7898 %	104.5760 %	88.8178 %	111.0304 %	123.7156 %	111.6859 %
Concentration per Run	0.1623 ppm	94.9139 %	104.6000 %	88.8323 %	109.2184 %	124.1317 %	111.0525 %
Concentration per Run	0.1600 ppm	95.6762 %	105.1778 %	88.7117 %	111.2962 %	125.6062 %	112.3401 %
Concentration per Run	0.1599 ppm	96.7793 %	103.9503 %	88.9093 %	112.5767 %	121.4089 %	111.6650 %
Concentration RSD	0.8 %	1.0 %	0.6 %	0.1 %	1.5 %	1.7 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539085-02d2 WG2085176
Analysis started at: 7/1/2025 5:00:24 PM
Rack 2
Vial 24
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0021 ppm	69.4060 ppm	0.0833 ppm	0.0235 ppm	0.5067 ppm	0.0073 ppm	505.4953 [SIC 1000]
Concentration per Run	0.0016 ppm	68.9851 ppm	0.0851 ppm	0.0217 ppm	0.5161 ppm	0.0072 ppm	510.8517 ppm
Concentration per Run	0.0023 ppm	70.3248 ppm	0.0816 ppm	0.0243 ppm	0.4906 ppm	0.0074 ppm	491.2792 ppm
Concentration per Run	0.0023 ppm	68.9081 ppm	0.0832 ppm	0.0245 ppm	0.5134 ppm	0.0072 ppm	514.3550 ppm
Concentration RSD	18.0 %	1.1 %	2.1 %	6.6 %	2.8 %	1.8 %	2.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0015 ppm	0.0819 ppm	0.1049 ppm	0.2044 ppm	181.5071 ppm	7.0664 ppm	0.1291 ppm
Concentration per Run	-0.0015 ppm	0.0822 ppm	0.1054 ppm	0.2044 ppm	178.1352 ppm	6.9686 ppm	0.1355 ppm
Concentration per Run	-0.0015 ppm	0.0823 ppm	0.1055 ppm	0.2045 ppm	186.9787 ppm	7.2067 ppm	0.1204 ppm
Concentration per Run	-0.0016 ppm	0.0814 ppm	0.1039 ppm	0.2044 ppm	179.4075 ppm	7.0239 ppm	0.1313 ppm
Concentration RSD	5.8 %	0.6 %	0.9 %	0.0 %	2.6 %	1.8 %	6.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	141.1938 ppm	5.1987 ppm	0.0075 ppm	0.7280 ppm	0.1595 ppm	0.4727 ppm	0.0085 ppm
Concentration per Run	142.0838 ppm	5.1784 ppm	0.0069 ppm	0.7439 ppm	0.1595 ppm	0.4733 ppm	0.0086 ppm
Concentration per Run	142.4194 ppm	5.2162 ppm	0.0077 ppm	0.6885 ppm	0.1600 ppm	0.4694 ppm	0.0099 ppm
Concentration per Run	139.0783 ppm	5.2015 ppm	0.0078 ppm	0.7518 ppm	0.1589 ppm	0.4754 ppm	0.0069 ppm
Concentration RSD	1.3 %	0.4 %	6.2 %	4.7 %	0.4 %	0.6 %	17.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0063 ppm	22.0881 [SIC 200]	0.0150 ppm	2.0893 ppm	0.7805 ppm	0.0022 ppm	0.1646 ppm
Concentration per Run	0.0058 ppm	22.1927 ppm	0.0151 ppm	2.0961 ppm	0.7850 ppm	0.0023 ppm	0.1650 ppm
Concentration per Run	0.0064 ppm	22.0962 ppm	0.0154 ppm	2.0811 ppm	0.7830 ppm	0.0025 ppm	0.1650 ppm
Concentration per Run	0.0067 ppm	21.9754 ppm	0.0145 ppm	2.0907 ppm	0.7735 ppm	0.0018 ppm	0.1638 ppm
Concentration RSD	6.9 %	0.5 %	3.1 %	0.4 %	0.8 %	16.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7305 ppm	94.8438 %	102.3480 %	86.0873 %	132.0097 %	154.8247 %	132.2423 %
Concentration per Run	0.7335 ppm	94.6833 %	104.1476 %	85.7842 %	131.7333 %	148.9454 %	132.0395 %
Concentration per Run	0.7286 ppm	94.8995 %	98.8098 %	86.7977 %	132.3687 %	166.5724 %	132.6830 %
Concentration per Run	0.7294 ppm	94.9486 %	104.0865 %	85.6800 %	131.9271 %	148.9564 %	132.0045 %
Concentration RSD	0.4 %	0.1 %	3.0 %	0.7 %	0.2 %	6.6 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539085-04d2 WG2085176
Analysis started at: 7/1/2025 5:03:51 PM
Rack 2
Vial 25
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0024 ppm	59.6593 ppm	0.0960 ppm	0.0155 ppm	0.4026 ppm	0.0079 ppm	308.8284 ppm
Concentration per Run	0.0020 ppm	60.4830 ppm	0.0974 ppm	0.0169 ppm	0.4096 ppm	0.0080 ppm	310.4548 ppm
Concentration per Run	0.0027 ppm	59.0329 ppm	0.0965 ppm	0.0135 ppm	0.3968 ppm	0.0078 ppm	305.6934 ppm
Concentration per Run	0.0026 ppm	59.4620 ppm	0.0941 ppm	0.0161 ppm	0.4014 ppm	0.0079 ppm	310.3370 ppm
Concentration RSD	14.5 %	1.2 %	1.8 %	11.4 %	1.6 %	1.0 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0843 ppm	0.0903 ppm	0.2004 ppm	185.8779 ppm	7.3683 ppm	0.1185 ppm
Concentration per Run	-0.0007 ppm	0.0846 ppm	0.0903 ppm	0.2000 ppm	188.3339 ppm	7.4989 ppm	0.1208 ppm
Concentration per Run	-0.0007 ppm	0.0843 ppm	0.0896 ppm	0.2006 ppm	183.1336 ppm	7.2866 ppm	0.1189 ppm
Concentration per Run	-0.0007 ppm	0.0841 ppm	0.0909 ppm	0.2008 ppm	186.1661 ppm	7.3194 ppm	0.1158 ppm
Concentration RSD	2.5 %	0.3 %	0.7 %	0.2 %	1.4 %	1.6 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	126.1449 ppm	4.9432 ppm	0.0098 ppm	0.7261 ppm	0.1720 ppm	0.3916 ppm	0.0095 ppm
Concentration per Run	125.9908 ppm	4.9876 ppm	0.0101 ppm	0.7329 ppm	0.1727 ppm	0.3924 ppm	0.0066 ppm
Concentration per Run	126.4204 ppm	4.8922 ppm	0.0090 ppm	0.7237 ppm	0.1721 ppm	0.3921 ppm	0.0115 ppm
Concentration per Run	126.0237 ppm	4.9497 ppm	0.0102 ppm	0.7218 ppm	0.1711 ppm	0.3904 ppm	0.0103 ppm
Concentration RSD	0.2 %	1.0 %	6.4 %	0.8 %	0.5 %	0.3 %	26.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	13.0419 [SIC 200]	0.0157 ppm	0.8781 ppm	0.6824 ppm	0.0037 ppm	0.1760 ppm
Concentration per Run	0.0040 ppm	13.1055 ppm	0.0142 ppm	0.8948 ppm	0.6847 ppm	0.0030 ppm	0.1762 ppm
Concentration per Run	0.0040 ppm	13.0216 ppm	0.0164 ppm	0.8622 ppm	0.6834 ppm	0.0038 ppm	0.1762 ppm
Concentration per Run	0.0026 ppm	12.9987 ppm	0.0164 ppm	0.8773 ppm	0.6790 ppm	0.0042 ppm	0.1757 ppm
Concentration RSD	23.6 %	0.4 %	8.2 %	1.9 %	0.4 %	17.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6510 ppm	97.9730 %	107.9722 %	89.8618 %	138.9649 %	157.1701 %	139.0804 %
Concentration per Run	0.6503 ppm	98.4037 %	107.3701 %	90.1368 %	139.7938 %	157.1457 %	139.8448 %
Concentration per Run	0.6527 ppm	97.4627 %	109.2050 %	89.2395 %	138.0482 %	158.5107 %	138.0846 %
Concentration per Run	0.6500 ppm	98.0525 %	107.3416 %	90.2090 %	139.0526 %	155.8539 %	139.3117 %
Concentration RSD	0.2 %	0.5 %	1.0 %	0.6 %	0.6 %	0.8 %	0.6 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539085-06d2 WG2085176
Analysis started at: 7/1/2025 5:07:16 PM
Rack 2
Vial 26
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0009 ppm	77.0183 ppm	0.0818 ppm	0.0277 ppm	0.5560 ppm	0.0062 ppm	329.6991 ppm
Concentration per Run	0.0009 ppm	77.1794 ppm	0.0829 ppm	0.0279 ppm	0.5591 ppm	0.0063 ppm	331.8835 ppm
Concentration per Run	0.0004 ppm	77.4429 ppm	0.0822 ppm	0.0259 ppm	0.5561 ppm	0.0062 ppm	330.5289 ppm
Concentration per Run	0.0013 ppm	76.4324 ppm	0.0801 ppm	0.0293 ppm	0.5529 ppm	0.0061 ppm	326.6848 ppm
Concentration RSD	51.7 %	0.7 %	1.8 %	6.1 %	0.6 %	1.1 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0015 ppm	0.0721 ppm	0.1194 ppm	0.2227 ppm	171.9910 ppm	7.4539 ppm	0.1469 ppm
Concentration per Run	-0.0015 ppm	0.0730 ppm	0.1185 ppm	0.2230 ppm	172.9213 ppm	7.4755 ppm	0.1473 ppm
Concentration per Run	-0.0015 ppm	0.0719 ppm	0.1213 ppm	0.2240 ppm	172.6469 ppm	7.5266 ppm	0.1488 ppm
Concentration per Run	-0.0015 ppm	0.0712 ppm	0.1183 ppm	0.2213 ppm	170.4049 ppm	7.3595 ppm	0.1444 ppm
Concentration RSD	1.4 %	1.3 %	1.4 %	0.6 %	0.8 %	1.1 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	134.4713 ppm	4.5522 ppm	0.0051 ppm	1.4356 ppm	0.1538 ppm	0.6513 ppm	0.0097 ppm
Concentration per Run	134.5422 ppm	4.5771 ppm	0.0049 ppm	1.4352 ppm	0.1540 ppm	0.6588 ppm	0.0069 ppm
Concentration per Run	136.3393 ppm	4.5651 ppm	0.0053 ppm	1.4496 ppm	0.1547 ppm	0.6494 ppm	0.0115 ppm
Concentration per Run	132.5323 ppm	4.5142 ppm	0.0052 ppm	1.4220 ppm	0.1526 ppm	0.6456 ppm	0.0107 ppm
Concentration RSD	1.4 %	0.7 %	4.7 %	1.0 %	0.7 %	1.0 %	24.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0060 ppm	16.5206 [SIC 200]	0.0221 ppm	1.1534 ppm	0.8911 ppm	0.0012 ppm	0.1527 ppm
Concentration per Run	0.0055 ppm	16.5490 ppm	0.0209 ppm	1.1560 ppm	0.8913 ppm	0.0014 ppm	0.1531 ppm
Concentration per Run	0.0065 ppm	16.5673 ppm	0.0233 ppm	1.1570 ppm	0.8987 ppm	0.0017 ppm	0.1538 ppm
Concentration per Run	0.0061 ppm	16.4454 ppm	0.0220 ppm	1.1471 ppm	0.8834 ppm	0.0006 ppm	0.1512 ppm
Concentration RSD	8.2 %	0.4 %	5.4 %	0.5 %	0.9 %	46.3 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7767 ppm	90.8525 %	102.8876 %	86.3638 %	123.3933 %	141.8251 %	126.1163 %
Concentration per Run	0.7794 ppm	90.9218 %	102.4567 %	85.4418 %	123.3808 %	141.2744 %	125.1136 %
Concentration per Run	0.7802 ppm	90.2776 %	102.9453 %	86.7598 %	123.1244 %	141.7603 %	127.1283 %
Concentration per Run	0.7705 ppm	91.3580 %	103.2607 %	86.8897 %	123.6747 %	142.4405 %	126.1070 %
Concentration RSD	0.7 %	0.6 %	0.4 %	0.9 %	0.2 %	0.4 %	0.8 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2534799-02d4 WG2085176
Analysis started at: 7/1/2025 5:17:05 PM
Rack 2
Vial 28
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	12.6948 ppm	0.0051 ppm	0.0247 ppm	0.0498 ppm	0.0007 ppm	525.7209 [SIC 1000]
Concentration per Run	-0.0007 ppm	12.6992 ppm	0.0056 ppm	0.0244 ppm	0.0499 ppm	0.0007 ppm	530.4420 ppm
Concentration per Run	-0.0007 ppm	12.7385 ppm	0.0065 ppm	0.0238 ppm	0.0497 ppm	0.0007 ppm	526.4555 ppm
Concentration per Run	-0.0008 ppm	12.6467 ppm	0.0032 ppm	0.0259 ppm	0.0498 ppm	0.0007 ppm	520.2652 ppm
Concentration RSD	6.7 %	0.4 %	33.2 %	4.4 %	0.2 %	1.6 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0018 ppm	0.0108 ppm	0.0259 ppm	0.0357 ppm	31.5170 ppm	1.7522 ppm	0.0502 ppm
Concentration per Run	-0.0019 ppm	0.0109 ppm	0.0256 ppm	0.0359 ppm	31.8286 ppm	1.7706 ppm	0.0499 ppm
Concentration per Run	-0.0017 ppm	0.0107 ppm	0.0262 ppm	0.0356 ppm	31.4905 ppm	1.7547 ppm	0.0501 ppm
Concentration per Run	-0.0018 ppm	0.0108 ppm	0.0258 ppm	0.0356 ppm	31.2318 ppm	1.7313 ppm	0.0506 ppm
Concentration RSD	6.3 %	1.2 %	1.2 %	0.5 %	0.9 %	1.1 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	257.7066 ppm	1.7519 ppm	0.0012 ppm	1.1648 ppm	0.0267 ppm	0.0239 ppm	0.0021 ppm
Concentration per Run	259.8881 ppm	1.7655 ppm	0.0009 ppm	1.1640 ppm	0.0267 ppm	0.0243 ppm	0.0055 ppm
Concentration per Run	256.9047 ppm	1.7486 ppm	0.0015 ppm	1.1761 ppm	0.0267 ppm	0.0237 ppm	-0.0006 ppm
Concentration per Run	256.3269 ppm	1.7417 ppm	0.0011 ppm	1.1542 ppm	0.0266 ppm	0.0239 ppm	0.0015 ppm
Concentration RSD	0.7 %	0.7 %	26.4 %	0.9 %	0.3 %	1.2 %	144.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	1.5822 ppm	0.0016 ppm	0.4159 ppm	0.3302 ppm	0.0015 ppm	0.0375 ppm
Concentration per Run	0.0035 ppm	1.5970 ppm	0.0010 ppm	0.4179 ppm	0.3328 ppm	0.0024 ppm	0.0377 ppm
Concentration per Run	0.0021 ppm	1.5793 ppm	0.0018 ppm	0.4147 ppm	0.3293 ppm	0.0013 ppm	0.0375 ppm
Concentration per Run	0.0051 ppm	1.5703 ppm	0.0021 ppm	0.4150 ppm	0.3285 ppm	0.0007 ppm	0.0371 ppm
Concentration RSD	41.4 %	0.9 %	36.5 %	0.4 %	0.7 %	58.4 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1498 ppm	88.9527 %	95.7545 %	81.7703 %	99.5021 %	108.9300 %	98.0838 %
Concentration per Run	0.1503 ppm	88.7941 %	95.8213 %	82.2428 %	98.8219 %	108.7166 %	98.4912 %
Concentration per Run	0.1502 ppm	88.8577 %	95.6441 %	81.2741 %	99.3838 %	108.5224 %	97.6412 %
Concentration per Run	0.1490 ppm	89.2063 %	95.7982 %	81.7938 %	100.3008 %	109.5512 %	98.1190 %
Concentration RSD	0.5 %	0.2 %	0.1 %	0.6 %	0.8 %	0.5 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539085-02d4 WG2085176
Analysis started at: 7/1/2025 5:20:37 PM
Rack 2
Vial 29
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	35.8921 ppm	0.0416 ppm	0.0137 ppm	0.2651 ppm	0.0038 ppm	268.1188 ppm
Concentration per Run	0.0008 ppm	35.4913 ppm	0.0433 ppm	0.0142 ppm	0.2708 ppm	0.0038 ppm	271.1805 ppm
Concentration per Run	0.0005 ppm	36.6969 ppm	0.0406 ppm	0.0133 ppm	0.2549 ppm	0.0040 ppm	260.8690 ppm
Concentration per Run	-0.0006 ppm	35.4881 ppm	0.0410 ppm	0.0135 ppm	0.2697 ppm	0.0037 ppm	272.3068 ppm
Concentration RSD	311.0 %	1.9 %	3.4 %	3.8 %	3.4 %	3.5 %	2.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0007 ppm	0.0433 ppm	0.0566 ppm	0.1064 ppm	98.1748 ppm	3.6548 ppm	0.0672 ppm
Concentration per Run	-0.0007 ppm	0.0432 ppm	0.0557 ppm	0.1063 ppm	96.3702 ppm	3.6652 ppm	0.0694 ppm
Concentration per Run	-0.0005 ppm	0.0431 ppm	0.0555 ppm	0.1060 ppm	101.4765 ppm	3.7178 ppm	0.0649 ppm
Concentration per Run	-0.0009 ppm	0.0435 ppm	0.0586 ppm	0.1070 ppm	96.6779 ppm	3.5813 ppm	0.0673 ppm
Concentration RSD	31.4 %	0.6 %	3.0 %	0.5 %	2.9 %	1.9 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	77.2025 ppm	2.7499 ppm	0.0035 ppm	0.4362 ppm	0.0861 ppm	0.2451 ppm	0.0051 ppm
Concentration per Run	75.0143 ppm	2.7359 ppm	0.0036 ppm	0.4501 ppm	0.0842 ppm	0.2468 ppm	0.0055 ppm
Concentration per Run	75.4134 ppm	2.7749 ppm	0.0037 ppm	0.4085 ppm	0.0855 ppm	0.2432 ppm	0.0052 ppm
Concentration per Run	81.1798 ppm	2.7390 ppm	0.0032 ppm	0.4499 ppm	0.0886 ppm	0.2453 ppm	0.0047 ppm
Concentration RSD	4.5 %	0.8 %	9.0 %	5.5 %	2.6 %	0.7 %	8.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0035 ppm	11.6295 [SIC 200]	0.0089 ppm	1.0974 ppm	0.4182 ppm	0.0012 ppm	0.0871 ppm
Concentration per Run	0.0062 ppm	11.5851 ppm	0.0088 ppm	1.0976 ppm	0.4079 ppm	-0.0001 ppm	0.0862 ppm
Concentration per Run	0.0024 ppm	11.5394 ppm	0.0085 ppm	1.0982 ppm	0.4107 ppm	0.0026 ppm	0.0866 ppm
Concentration per Run	0.0018 ppm	11.7641 ppm	0.0094 ppm	1.0964 ppm	0.4359 ppm	0.0011 ppm	0.0885 ppm
Concentration RSD	68.5 %	1.0 %	5.2 %	0.1 %	3.7 %	109.3 %	1.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3924 ppm	93.4667 %	100.8046 %	88.3447 %	112.6046 %	132.0817 %	113.4042 %
Concentration per Run	0.3920 ppm	94.8242 %	103.4824 %	88.0968 %	113.3813 %	128.0071 %	113.2732 %
Concentration per Run	0.3901 ppm	94.2265 %	96.3809 %	88.7041 %	112.8757 %	142.3357 %	113.3691 %
Concentration per Run	0.3951 ppm	91.3495 %	102.5506 %	88.2331 %	111.5567 %	125.9023 %	113.5702 %
Concentration RSD	0.6 %	2.0 %	3.8 %	0.4 %	0.8 %	6.8 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 5:28:47 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5196 ppm	0.4815 ppm	0.4882 ppm	0.5137 ppm	0.5082 ppm	0.5045 ppm	0.4927 ppm
Concentration per Run	0.5171 ppm	0.4891 ppm	0.4891 ppm	0.5098 ppm	0.5100 ppm	0.5046 ppm	0.4941 ppm
Concentration per Run	0.5194 ppm	0.4763 ppm	0.4878 ppm	0.5112 ppm	0.5068 ppm	0.5032 ppm	0.4905 ppm
Concentration per Run	0.5221 ppm	0.4790 ppm	0.4878 ppm	0.5202 ppm	0.5078 ppm	0.5057 ppm	0.4935 ppm
Recovery Percentage	103.910 %	96.293 %	97.645 %	102.749 %	101.642 %	100.898 %	98.544 %
Concentration RSD	0.5 %	1.4 %	0.2 %	1.1 %	0.3 %	0.3 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4919 ppm	0.5097 ppm	0.5215 ppm	0.5244 ppm	0.5120 ppm	5.4647 ppm	0.5211 ppm
Concentration per Run	0.4904 ppm	0.5068 ppm	0.5176 ppm	0.5225 ppm	0.5110 ppm	5.4836 ppm	0.5315 ppm
Concentration per Run	0.4919 ppm	0.5095 ppm	0.5222 ppm	0.5211 ppm	0.5114 ppm	5.4314 ppm	0.5147 ppm
Concentration per Run	0.4935 ppm	0.5128 ppm	0.5247 ppm	0.5296 ppm	0.5137 ppm	5.4791 ppm	0.5172 ppm
Recovery Percentage	98.383 %	101.942 %	104.297 %	104.878 %	102.408 %	109.294 %	104.222 %
Concentration RSD	0.3 %	0.6 %	0.7 %	0.9 %	0.3 %	0.5 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5207 ppm	0.4951 ppm	0.4901 ppm	10.8324 ppm	0.5220 ppm	0.4983 ppm	0.5111 ppm
Concentration per Run	0.5136 ppm	0.4957 ppm	0.4858 ppm	10.9369 ppm	0.5176 ppm	0.4965 ppm	0.5092 ppm
Concentration per Run	0.5248 ppm	0.4942 ppm	0.4896 ppm	10.7842 ppm	0.5231 ppm	0.4989 ppm	0.5079 ppm
Concentration per Run	0.5236 ppm	0.4953 ppm	0.4948 ppm	10.7762 ppm	0.5252 ppm	0.4995 ppm	0.5164 ppm
Recovery Percentage	104.136 %	99.011 %	98.015 %	108.324 %	104.397 %	99.667 %	102.230 %
Concentration RSD	1.2 %	0.2 %	0.9 %	0.8 %	0.8 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5081 ppm	5.6494 ppm	0.5212 ppm	0.5129 ppm	0.5245 ppm	0.4991 ppm	0.5189 ppm
Concentration per Run	0.5064 ppm	5.6152 ppm	0.5209 ppm	0.5126 ppm	0.5208 ppm	0.4998 ppm	0.5163 ppm
Concentration per Run	0.5120 ppm	5.6341 ppm	0.5194 ppm	0.5121 ppm	0.5251 ppm	0.4982 ppm	0.5182 ppm
Concentration per Run	0.5059 ppm	5.6989 ppm	0.5232 ppm	0.5140 ppm	0.5275 ppm	0.4994 ppm	0.5222 ppm
Recovery Percentage	101.616 %	107.607 %	104.232 %	102.582 %	104.895 %	99.828 %	103.778 %
Concentration RSD	0.7 %	0.8 %	0.4 %	0.2 %	0.6 %	0.2 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5128 ppm	94.0637 %	102.1331 %	93.6266 %	93.7204 %	102.3282 %	94.3174 %
Concentration per Run	0.5114 ppm	95.0627 %	102.3241 %	93.6708 %	94.1964 %	101.9809 %	94.5605 %
Concentration per Run	0.5127 ppm	93.7545 %	102.5786 %	93.5696 %	93.2453 %	103.2137 %	94.2245 %
Concentration per Run	0.5144 ppm	93.3739 %	101.4965 %	93.6392 %	93.7195 %	101.7900 %	94.1671 %
Recovery Percentage	102.562 %						
Concentration RSD	0.3 %	0.9 %	0.6 %	0.1 %	0.5 %	0.8 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 5:32:18 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	-0.0014 ppm	-0.0004 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0101 ppm
Concentration per Run	-0.0006 ppm	-0.0021 ppm	-0.0003 ppm	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0103 ppm
Concentration per Run	-0.0011 ppm	0.0006 ppm	0.0003 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0094 ppm
Concentration per Run	-0.0009 ppm	-0.0029 ppm	-0.0012 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0107 ppm
Recovery Percentage	-17.352 %	-1.439 %	-8.082 %	3.423 %	0.840 %	1.094 %	10.138 %
Concentration RSD	31.3 %	128.2 %	191.1 %	21.2 %	77.8 %	32.2 %	6.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0013 ppm	0.0044 ppm	-0.0034 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	-0.0008 ppm	0.0002 ppm	0.0012 ppm	0.0042 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0009 ppm	0.0044 ppm	-0.0090 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0016 ppm	0.0046 ppm	-0.0017 ppm	-0.0008 ppm
Recovery Percentage	-0.708 %	-5.288 %	0.969 %	12.582 %	8.793 %	-0.137 %	-8.044 %
Concentration RSD	13.1 %	53.9 %	105.9 %	27.9 %	4.9 %	144.5 %	17.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0009 ppm	0.0001 ppm	0.0046 ppm	0.0021 ppm	-0.0005 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run	0.0000 ppm	0.0001 ppm	0.0052 ppm	0.0018 ppm	0.0003 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	-0.0009 ppm	0.0000 ppm	0.0043 ppm	0.0026 ppm	-0.0008 ppm	-0.0007 ppm	-0.0023 ppm
Concentration per Run	-0.0019 ppm	0.0000 ppm	0.0042 ppm	0.0019 ppm	-0.0009 ppm	0.0000 ppm	0.0031 ppm
Recovery Percentage	-0.937 %	0.519 %	9.164 %	0.106 %	-1.888 %	-5.167 %	0.458 %
Concentration RSD	104.6 %	110.4 %	12.4 %	19.6 %	147.9 %	82.2 %	1,193.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0106 ppm	0.0183 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0123 ppm	0.0173 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0010 ppm	-0.0002 ppm
Concentration per Run	0.0108 ppm	0.0176 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run	0.0086 ppm	0.0198 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	-0.0002 ppm
Recovery Percentage	105.850 %	3.652 %	0.298 %	0.086 %	5.157 %	-3.381 %	-1.895 %
Concentration RSD	17.3 %	7.6 %	223.2 %	444.2 %	51.5 %	58.7 %	25.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	91.9078 %	101.1420 %	92.2225 %	92.9488 %	103.4690 %	93.8225 %
Concentration per Run	0.0000 ppm	91.5006 %	100.7473 %	92.1630 %	92.6770 %	103.7521 %	93.5917 %
Concentration per Run	0.0000 ppm	92.4122 %	101.1060 %	92.3894 %	93.7398 %	102.7079 %	94.1590 %
Concentration per Run	0.0002 ppm	91.8107 %	101.5726 %	92.1150 %	92.4297 %	103.9471 %	93.7170 %
Recovery Percentage	0.695 %						
Concentration RSD	331.5 %	0.5 %	0.4 %	0.2 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539085-04d4 WG2085176
Analysis started at: 7/1/2025 6:12:15 PM
Rack 2
Vial 30
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0006 ppm	31.9231 ppm	0.0447 ppm	0.0082 ppm	0.2121 ppm	0.0044 ppm	166.5345 ppm
Concentration per Run	0.0006 ppm	31.6726 ppm	0.0446 ppm	0.0080 ppm	0.2162 ppm	0.0044 ppm	169.7429 ppm
Concentration per Run	0.0007 ppm	31.8874 ppm	0.0442 ppm	0.0081 ppm	0.2162 ppm	0.0043 ppm	168.0516 ppm
Concentration per Run	0.0006 ppm	32.2093 ppm	0.0454 ppm	0.0086 ppm	0.2039 ppm	0.0044 ppm	161.8089 ppm
Concentration RSD	10.1 %	0.8 %	1.3 %	3.9 %	3.3 %	1.2 %	2.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0437 ppm	0.0484 ppm	0.1045 ppm	105.3112 ppm	2.9200 ppm	0.0618 ppm
Concentration per Run	-0.0004 ppm	0.0442 ppm	0.0489 ppm	0.1042 ppm	104.8423 ppm	3.0639 ppm	0.0632 ppm
Concentration per Run	-0.0002 ppm	0.0439 ppm	0.0484 ppm	0.1045 ppm	103.9847 ppm	3.0492 ppm	0.0649 ppm
Concentration per Run	-0.0003 ppm	0.0430 ppm	0.0480 ppm	0.1047 ppm	107.1067 ppm	2.6470 ppm	0.0573 ppm
Concentration RSD	37.1 %	1.4 %	0.9 %	0.2 %	1.5 %	8.1 %	6.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	66.1408 ppm	2.7062 ppm	0.0059 ppm	0.4415 ppm	0.0909 ppm	0.2066 ppm	0.0052 ppm
Concentration per Run	66.9344 ppm	2.7126 ppm	0.0060 ppm	0.4496 ppm	0.0910 ppm	0.2053 ppm	0.0049 ppm
Concentration per Run	66.1848 ppm	2.7026 ppm	0.0056 ppm	0.4582 ppm	0.0913 ppm	0.2078 ppm	0.0031 ppm
Concentration per Run	65.3031 ppm	2.7033 ppm	0.0060 ppm	0.4167 ppm	0.0903 ppm	0.2069 ppm	0.0077 ppm
Concentration RSD	1.2 %	0.2 %	4.3 %	5.0 %	0.6 %	0.6 %	44.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0046 ppm	6.5317 ppm	0.0085 ppm	0.4678 ppm	0.3633 ppm	0.0019 ppm	0.0929 ppm
Concentration per Run	0.0058 ppm	6.5295 ppm	0.0085 ppm	0.4699 ppm	0.3662 ppm	0.0017 ppm	0.0932 ppm
Concentration per Run	0.0048 ppm	6.5372 ppm	0.0083 ppm	0.4699 ppm	0.3639 ppm	0.0015 ppm	0.0931 ppm
Concentration per Run	0.0033 ppm	6.5284 ppm	0.0086 ppm	0.4636 ppm	0.3600 ppm	0.0024 ppm	0.0924 ppm
Concentration RSD	27.2 %	0.1 %	1.6 %	0.8 %	0.9 %	24.7 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3422 ppm	101.7000 %	102.1428 %	94.6132 %	124.6322 %	135.2468 %	123.6764 %
Concentration per Run	0.3432 ppm	101.2417 %	103.8614 %	94.2297 %	124.2218 %	130.4178 %	123.2725 %
Concentration per Run	0.3425 ppm	101.9080 %	103.5138 %	94.6669 %	124.8783 %	130.7440 %	123.7019 %
Concentration per Run	0.3410 ppm	101.9502 %	99.0531 %	94.9430 %	124.7966 %	144.5787 %	124.0548 %
Concentration RSD	0.3 %	0.4 %	2.6 %	0.4 %	0.3 %	6.0 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536332-01d2 WG2083254
Analysis started at: 7/1/2025 6:15:55 PM
Rack 2
Vial 31
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0012 ppm	0.1562 ppm	0.0024 ppm	0.0280 ppm	0.0087 ppm	0.0000 ppm	0.5775 ppm
Concentration per Run	0.0013 ppm	0.1551 ppm	0.0003 ppm	0.0276 ppm	0.0087 ppm	0.0000 ppm	0.5815 ppm
Concentration per Run	0.0011 ppm	0.1575 ppm	0.0039 ppm	0.0286 ppm	0.0087 ppm	0.0000 ppm	0.5745 ppm
Concentration per Run	0.0013 ppm	0.1560 ppm	0.0031 ppm	0.0277 ppm	0.0088 ppm	0.0000 ppm	0.5766 ppm
Concentration RSD	8.2 %	0.8 %	77.8 %	2.1 %	0.7 %	132.9 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	16.6258 ppm	2.6070 ppm	0.2971 ppm	37.6484 ppm	1,616.4725 ppm	0.0017 ppm
Concentration per Run	-0.0003 ppm	16.6170 ppm	2.6103 ppm	0.2980 ppm	37.9143 ppm	1,594.0549 ppm	0.0024 ppm
Concentration per Run	-0.0004 ppm	16.6276 ppm	2.6175 ppm	0.2969 ppm	37.6071 ppm	1,608.7427 ppm	0.0013 ppm
Concentration per Run	-0.0002 ppm	16.6328 ppm	2.5932 ppm	0.2963 ppm	37.4237 ppm	1,646.6199 ppm	0.0014 ppm
Concentration RSD	23.2 %	0.0 %	0.5 %	0.3 %	0.7 %	1.7 %	35.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1572 ppm	0.3754 ppm	0.1762 ppm	14.4215 ppm	31.1092 [SIC 50]	0.0020 ppm	0.0017 ppm
Concentration per Run	0.1586 ppm	0.3796 ppm	0.1748 ppm	14.3805 ppm	31.0609 ppm	0.0030 ppm	0.0019 ppm
Concentration per Run	0.1556 ppm	0.3739 ppm	0.1773 ppm	14.4076 ppm	31.2346 ppm	0.0014 ppm	-0.0003 ppm
Concentration per Run	0.1574 ppm	0.3728 ppm	0.1765 ppm	14.4763 ppm	31.0322 ppm	0.0017 ppm	0.0036 ppm
Concentration RSD	1.0 %	1.0 %	0.7 %	0.3 %	0.4 %	41.8 %	114.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0152 ppm	0.6097 ppm	0.0523 ppm	0.0161 ppm	0.0053 ppm	-0.0102 ppm	0.0061 ppm
Concentration per Run	0.0149 ppm	0.6104 ppm	0.0523 ppm	0.0161 ppm	0.0054 ppm	-0.0096 ppm	0.0062 ppm
Concentration per Run	0.0153 ppm	0.6102 ppm	0.0522 ppm	0.0161 ppm	0.0052 ppm	-0.0100 ppm	0.0062 ppm
Concentration per Run	0.0154 ppm	0.6086 ppm	0.0524 ppm	0.0161 ppm	0.0054 ppm	-0.0110 ppm	0.0059 ppm
Concentration RSD	1.7 %	0.2 %	0.2 %	0.1 %	1.9 %	7.2 %	3.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0999 ppm	86.0214 %	92.1979 %	80.8051 %	85.2834 %	92.8300 %	85.2290 %
Concentration per Run	0.0998 ppm	85.8697 %	91.9323 %	80.5554 %	85.2690 %	93.6677 %	85.0358 %
Concentration per Run	0.1000 ppm	85.8782 %	92.2920 %	81.0897 %	85.0889 %	93.3504 %	85.2818 %
Concentration per Run	0.0998 ppm	86.3163 %	92.3695 %	80.7700 %	85.4923 %	91.4720 %	85.3696 %
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	0.2 %	1.3 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536332-02d2 WG2083254
Analysis started at: 7/1/2025 6:19:21 PM
Rack 2
Vial 32
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0113 ppm	0.0034 ppm	0.1708 ppm	0.0014 ppm	0.0000 ppm	0.0657 ppm
Concentration per Run	-0.0004 ppm	0.0153 ppm	0.0049 ppm	0.1688 ppm	0.0013 ppm	0.0000 ppm	0.0667 ppm
Concentration per Run	-0.0003 ppm	0.0067 ppm	0.0027 ppm	0.1698 ppm	0.0014 ppm	0.0000 ppm	0.0651 ppm
Concentration per Run	-0.0002 ppm	0.0120 ppm	0.0025 ppm	0.1738 ppm	0.0014 ppm	0.0000 ppm	0.0653 ppm
Concentration RSD	47.1 %	38.1 %	38.9 %	1.6 %	3.6 %	166.9 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.7458 ppm	0.1365 ppm	0.0428 ppm	2.8758 ppm	**1,366.2927 ppm**	0.0007 ppm
Concentration per Run	-0.0002 ppm	0.7488 ppm	0.1368 ppm	0.0429 ppm	2.8933 ppm	1,352.1867 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.7455 ppm	0.1362 ppm	0.0428 ppm	2.8698 ppm	1,358.0201 ppm	0.0007 ppm
Concentration per Run	-0.0001 ppm	0.7431 ppm	0.1366 ppm	0.0428 ppm	2.8643 ppm	1,388.6712 ppm	0.0006 ppm
Concentration RSD	61.9 %	0.4 %	0.3 %	0.1 %	0.5 %	1.4 %	10.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0137 ppm	0.0215 ppm	0.0169 ppm	0.6584 ppm	2.0504 ppm	-0.0001 ppm	0.0019 ppm
Concentration per Run	0.0121 ppm	0.0214 ppm	0.0169 ppm	0.6572 ppm	2.0567 ppm	0.0007 ppm	0.0009 ppm
Concentration per Run	0.0129 ppm	0.0214 ppm	0.0167 ppm	0.6541 ppm	2.0489 ppm	-0.0004 ppm	0.0018 ppm
Concentration per Run	0.0161 ppm	0.0216 ppm	0.0171 ppm	0.6640 ppm	2.0456 ppm	-0.0008 ppm	0.0030 ppm
Concentration RSD	15.6 %	0.6 %	1.2 %	0.8 %	0.3 %	564.7 %	55.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0138 ppm	0.1703 ppm	0.2125 ppm	0.0017 ppm	0.0021 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run	0.0145 ppm	0.1699 ppm	0.2130 ppm	0.0016 ppm	0.0019 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run	0.0135 ppm	0.1691 ppm	0.2129 ppm	0.0016 ppm	0.0021 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run	0.0133 ppm	0.1721 ppm	0.2115 ppm	0.0017 ppm	0.0021 ppm	0.0016 ppm	0.0001 ppm
Concentration RSD	5.0 %	0.9 %	0.4 %	1.9 %	6.8 %	61.8 %	1,204.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0090 ppm	87.7427 %	94.0029 %	82.2101 %	86.4328 %	94.4510 %	86.6464 %
Concentration per Run	0.0088 ppm	87.4780 %	93.8607 %	82.0191 %	86.1293 %	94.5958 %	86.5162 %
Concentration per Run	0.0090 ppm	87.8227 %	94.1747 %	82.2415 %	86.3912 %	95.2610 %	86.9082 %
Concentration per Run	0.0093 ppm	87.9275 %	93.9734 %	82.3698 %	86.7781 %	93.4963 %	86.5147 %
Concentration RSD	2.9 %	0.3 %	0.2 %	0.2 %	0.4 %	0.9 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085734-1 WG2085734
Analysis started at: 7/1/2025 6:49:37 PM
Rack 2
Vial 43
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	0.0018 ppm	-0.0013 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run	-0.0011 ppm	0.0032 ppm	0.0002 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0145 ppm
Concentration per Run	-0.0008 ppm	0.0019 ppm	-0.0011 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run	-0.0010 ppm	0.0004 ppm	-0.0031 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0172 ppm
Recovery Percentage	-18.561 %	1.823 %	-26.560 %	1.809 %	0.879 %	0.504 %	15.833 %
Concentration RSD	16.7 %	77.9 %	127.4 %	160.7 %	36.8 %	48.9 %	8.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0007 ppm	0.0008 ppm	0.0009 ppm	0.0164 ppm	0.2907 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0010 ppm	0.0006 ppm	0.0010 ppm	0.0156 ppm	0.2866 ppm	-0.0010 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0006 ppm	0.0010 ppm	0.0163 ppm	0.2880 ppm	0.0004 ppm
Concentration per Run	0.0001 ppm	-0.0006 ppm	0.0011 ppm	0.0009 ppm	0.0174 ppm	0.2974 ppm	0.0002 ppm
Recovery Percentage	0.403 %	-6.986 %	7.717 %	9.394 %	32.811 %	11.627 %	-1.507 %
Concentration RSD	538.2 %	43.2 %	40.9 %	6.7 %	5.5 %	2.0 %	492.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0014 ppm	0.0003 ppm	-0.0003 ppm	0.0181 ppm	-0.0010 ppm	-0.0005 ppm	0.0020 ppm
Concentration per Run	0.0018 ppm	0.0003 ppm	0.0002 ppm	0.0184 ppm	-0.0006 ppm	-0.0009 ppm	0.0032 ppm
Concentration per Run	0.0014 ppm	0.0004 ppm	-0.0004 ppm	0.0176 ppm	-0.0016 ppm	0.0003 ppm	0.0019 ppm
Concentration per Run	0.0010 ppm	0.0004 ppm	-0.0006 ppm	0.0183 ppm	-0.0008 ppm	-0.0009 ppm	0.0009 ppm
Recovery Percentage	1.417 %	3.422 %	-0.526 %	0.905 %	-4.028 %	-4.764 %	4.055 %
Concentration RSD	30.3 %	13.1 %	161.0 %	2.5 %	55.5 %	145.3 %	57.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0037 ppm	0.0141 ppm	0.0063 ppm	0.0000 ppm	0.0004 ppm	-0.0016 ppm	-0.0004 ppm
Concentration per Run	0.0039 ppm	0.0138 ppm	0.0062 ppm	0.0000 ppm	0.0000 ppm	-0.0015 ppm	-0.0005 ppm
Concentration per Run	0.0039 ppm	0.0137 ppm	0.0072 ppm	0.0000 ppm	0.0007 ppm	-0.0014 ppm	-0.0003 ppm
Concentration per Run	0.0034 ppm	0.0149 ppm	0.0054 ppm	0.0000 ppm	0.0004 ppm	-0.0020 ppm	-0.0003 ppm
Recovery Percentage	37.197 %	2.822 %	12.560 %	-0.206 %	3.655 %	-8.120 %	-3.671 %
Concentration RSD	7.6 %	4.8 %	14.5 %	50.8 %	89.7 %	18.9 %	28.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0019 ppm	93.9953 %	102.3012 %	92.3358 %	94.4399 %	104.3120 %	94.1963 %
Concentration per Run	0.0020 ppm	93.0469 %	102.1827 %	92.3865 %	93.5647 %	104.6177 %	94.2590 %
Concentration per Run	0.0019 ppm	94.5450 %	102.9354 %	92.6407 %	95.1310 %	105.2938 %	94.1666 %
Concentration per Run	0.0017 ppm	94.3938 %	101.7856 %	91.9801 %	94.6240 %	103.0246 %	94.1633 %
Recovery Percentage	37.216 %						
Concentration RSD	8.0 %	0.9 %	0.6 %	0.4 %	0.8 %	1.1 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085734-2d2 WG2085734
Analysis started at: 7/1/2025 6:53:09 PM
Rack 2
Vial 44
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.3209 ppm	17.3319 ppm	0.7749 ppm	0.7125 ppm	0.8294 ppm	0.5987 ppm	15.1583 ppm
Concentration per Run	0.3211 ppm	17.2867 ppm	0.7778 ppm	0.7154 ppm	0.8269 ppm	0.5971 ppm	15.1974 ppm
Concentration per Run	0.3231 ppm	17.3249 ppm	0.7697 ppm	0.7209 ppm	0.8304 ppm	0.5988 ppm	15.1179 ppm
Concentration per Run	0.3183 ppm	17.3840 ppm	0.7773 ppm	0.7011 ppm	0.8309 ppm	0.6001 ppm	15.1597 ppm
Concentration RSD	0.8 %	0.3 %	0.6 %	1.4 %	0.3 %	0.3 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4340 ppm	0.9377 ppm	0.6402 ppm	0.3726 ppm	20.5795 ppm	5.7459 ppm	0.3875 ppm
Concentration per Run	0.4284 ppm	0.9345 ppm	0.6399 ppm	0.3710 ppm	20.4977 ppm	5.7233 ppm	0.3886 ppm
Concentration per Run	0.4359 ppm	0.9409 ppm	0.6420 ppm	0.3768 ppm	20.5007 ppm	5.7680 ppm	0.3880 ppm
Concentration per Run	0.4376 ppm	0.9377 ppm	0.6387 ppm	0.3701 ppm	20.7403 ppm	5.7463 ppm	0.3859 ppm
Concentration RSD	1.1 %	0.3 %	0.3 %	1.0 %	0.7 %	0.4 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.3868 ppm	1.4856 ppm	0.5551 ppm	7.5942 ppm	0.6078 ppm	0.5568 ppm	0.4021 ppm
Concentration per Run	6.3791 ppm	1.4877 ppm	0.5477 ppm	7.5339 ppm	0.6070 ppm	0.5591 ppm	0.4037 ppm
Concentration per Run	6.4243 ppm	1.4808 ppm	0.5610 ppm	7.6080 ppm	0.6112 ppm	0.5540 ppm	0.4050 ppm
Concentration per Run	6.3568 ppm	1.4882 ppm	0.5566 ppm	7.6407 ppm	0.6054 ppm	0.5572 ppm	0.3976 ppm
Concentration RSD	0.5 %	0.3 %	1.2 %	0.7 %	0.5 %	0.5 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.3912 ppm	8.5855 ppm	0.3954 ppm	0.8050 ppm	1.2895 ppm	0.7227 ppm	0.6308 ppm
Concentration per Run	0.3906 ppm	8.7790 ppm	0.3945 ppm	0.8016 ppm	1.2930 ppm	0.7229 ppm	0.6306 ppm
Concentration per Run	0.3884 ppm	8.6430 ppm	0.3973 ppm	0.8061 ppm	1.2854 ppm	0.7196 ppm	0.6356 ppm
Concentration per Run	0.3946 ppm	8.3345 ppm	0.3945 ppm	0.8073 ppm	1.2902 ppm	0.7257 ppm	0.6263 ppm
Concentration RSD	0.8 %	2.7 %	0.4 %	0.4 %	0.3 %	0.4 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1859 ppm	94.4583 %	103.2180 %	91.0602 %	101.5882 %	112.6009 %	100.8631 %
Concentration per Run	1.1801 ppm	94.8093 %	103.3997 %	91.1134 %	101.7923 %	112.4829 %	101.0870 %
Concentration per Run	1.1976 ppm	93.8338 %	102.9896 %	91.0755 %	101.0944 %	112.4456 %	101.0635 %
Concentration per Run	1.1801 ppm	94.7318 %	103.2646 %	90.9916 %	101.8779 %	112.8743 %	100.4387 %
Concentration RSD	0.9 %	0.6 %	0.2 %	0.1 %	0.4 %	0.2 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085734-3d2 WG2085734
Analysis started at: 7/1/2025 6:56:35 PM
Rack 2
Vial 45
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.3154 ppm	17.5407 ppm	0.7527 ppm	0.6906 ppm	0.8287 ppm	0.5911 ppm	14.9924 ppm
Concentration per Run	0.3166 ppm	17.5428 ppm	0.7484 ppm	0.6978 ppm	0.8260 ppm	0.5932 ppm	15.0331 ppm
Concentration per Run	0.3160 ppm	17.3954 ppm	0.7571 ppm	0.6903 ppm	0.8243 ppm	0.5884 ppm	15.0137 ppm
Concentration per Run	0.3136 ppm	17.6839 ppm	0.7527 ppm	0.6835 ppm	0.8358 ppm	0.5918 ppm	14.9304 ppm
Concentration RSD	0.5 %	0.8 %	0.6 %	1.0 %	0.7 %	0.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4506 ppm	0.9147 ppm	0.6089 ppm	0.3634 ppm	20.6939 ppm	5.7457 ppm	0.3897 ppm
Concentration per Run	0.4531 ppm	0.9235 ppm	0.6126 ppm	0.3662 ppm	20.8153 ppm	5.6865 ppm	0.3870 ppm
Concentration per Run	0.4486 ppm	0.9127 ppm	0.6094 ppm	0.3640 ppm	20.5545 ppm	5.7043 ppm	0.3823 ppm
Concentration per Run	0.4500 ppm	0.9080 ppm	0.6045 ppm	0.3601 ppm	20.7119 ppm	5.8465 ppm	0.3997 ppm
Concentration RSD	0.5 %	0.9 %	0.7 %	0.9 %	0.6 %	1.5 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.3170 ppm	1.4603 ppm	0.5484 ppm	7.5362 ppm	0.5902 ppm	0.5471 ppm	0.3956 ppm
Concentration per Run	6.3399 ppm	1.4659 ppm	0.5492 ppm	7.4651 ppm	0.5942 ppm	0.5460 ppm	0.3945 ppm
Concentration per Run	6.3566 ppm	1.4535 ppm	0.5458 ppm	7.4283 ppm	0.5894 ppm	0.5473 ppm	0.3957 ppm
Concentration per Run	6.2543 ppm	1.4614 ppm	0.5501 ppm	7.7152 ppm	0.5870 ppm	0.5480 ppm	0.3965 ppm
Concentration RSD	0.9 %	0.4 %	0.4 %	2.1 %	0.6 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.3876 ppm	8.3267 ppm	0.3875 ppm	0.8142 ppm	1.2834 ppm	0.7394 ppm	0.6062 ppm
Concentration per Run	0.3801 ppm	8.2350 ppm	0.3910 ppm	0.8121 ppm	1.2693 ppm	0.7370 ppm	0.6090 ppm
Concentration per Run	0.3916 ppm	8.4024 ppm	0.3859 ppm	0.8109 ppm	1.2944 ppm	0.7418 ppm	0.6057 ppm
Concentration per Run	0.3911 ppm	8.3428 ppm	0.3856 ppm	0.8198 ppm	1.2865 ppm	0.7394 ppm	0.6039 ppm
Concentration RSD	1.7 %	1.0 %	0.8 %	0.6 %	1.0 %	0.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1617 ppm	95.0054 %	102.1857 %	91.5558 %	101.1386 %	111.8226 %	101.4708 %
Concentration per Run	1.1737 ppm	94.5364 %	101.3778 %	91.7396 %	101.0022 %	111.9935 %	101.8296 %
Concentration per Run	1.1567 ppm	94.8931 %	102.5641 %	91.1468 %	101.7374 %	111.5478 %	101.2374 %
Concentration per Run	1.1546 ppm	95.5867 %	102.6152 %	91.7808 %	100.6764 %	111.9265 %	101.3455 %
Concentration RSD	0.9 %	0.6 %	0.7 %	0.4 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540673-01d2 WG2085734
Analysis started at: 7/1/2025 7:00:00 PM
Rack 2
Vial 48
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0063 ppm	51.1706 ppm	0.1105 ppm	0.0415 ppm	1.2765 ppm	0.0040 ppm	16.7297 ppm
Concentration per Run	0.0066 ppm	51.0096 ppm	0.1114 ppm	0.0419 ppm	1.2669 ppm	0.0039 ppm	16.8462 ppm
Concentration per Run	0.0060 ppm	51.1907 ppm	0.1082 ppm	0.0431 ppm	1.2796 ppm	0.0039 ppm	16.6778 ppm
Concentration per Run	0.0064 ppm	51.3115 ppm	0.1120 ppm	0.0395 ppm	1.2830 ppm	0.0040 ppm	16.6652 ppm
Concentration RSD	5.2 %	0.3 %	1.9 %	4.4 %	0.7 %	0.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0060 ppm	0.0469 ppm	0.1318 ppm	2.3850 ppm	168.1585 ppm	4.9185 ppm	0.0847 ppm
Concentration per Run	0.0062 ppm	0.0473 ppm	0.1324 ppm	2.3884 ppm	168.7610 ppm	4.8297 ppm	0.0830 ppm
Concentration per Run	0.0061 ppm	0.0468 ppm	0.1324 ppm	2.3936 ppm	167.7813 ppm	4.9620 ppm	0.0857 ppm
Concentration per Run	0.0059 ppm	0.0467 ppm	0.1306 ppm	2.3730 ppm	167.9333 ppm	4.9636 ppm	0.0853 ppm
Concentration RSD	2.7 %	0.7 %	0.8 %	0.4 %	0.3 %	1.6 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.9637 ppm	2.0903 ppm	0.0228 ppm	5.9334 ppm	0.1441 ppm	5.4806 ppm	0.0322 ppm
Concentration per Run	18.0376 ppm	2.1013 ppm	0.0227 ppm	5.8024 ppm	0.1455 ppm	5.4755 ppm	0.0342 ppm
Concentration per Run	18.1001 ppm	2.0832 ppm	0.0231 ppm	6.0056 ppm	0.1446 ppm	5.4569 ppm	0.0325 ppm
Concentration per Run	17.7534 ppm	2.0864 ppm	0.0227 ppm	5.9921 ppm	0.1421 ppm	5.5095 ppm	0.0298 ppm
Concentration RSD	1.0 %	0.5 %	1.1 %	1.9 %	1.2 %	0.5 %	7.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0148 ppm	7.1460 ppm	0.3433 ppm	0.2367 ppm	2.2014 ppm	0.0026 ppm	0.2736 ppm
Concentration per Run	0.0162 ppm	7.2243 ppm	0.3472 ppm	0.2359 ppm	2.2087 ppm	0.0024 ppm	0.2756 ppm
Concentration per Run	0.0165 ppm	7.1356 ppm	0.3417 ppm	0.2369 ppm	2.2301 ppm	0.0024 ppm	0.2748 ppm
Concentration per Run	0.0117 ppm	7.0780 ppm	0.3411 ppm	0.2372 ppm	2.1655 ppm	0.0029 ppm	0.2704 ppm
Concentration RSD	18.4 %	1.0 %	1.0 %	0.3 %	1.5 %	12.5 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	3.1712 ppm	96.8768 %	104.6213 %	89.8737 %	114.1556 %	126.9903 %	113.7972 %
Concentration per Run	3.2017 ppm	96.4441 %	103.7914 %	89.8488 %	114.0719 %	127.0556 %	113.6711 %
Concentration per Run	3.1784 ppm	96.7936 %	105.1659 %	90.1005 %	114.1493 %	127.3792 %	113.8317 %
Concentration per Run	3.1334 ppm	97.3925 %	104.9068 %	89.6717 %	114.2456 %	126.5361 %	113.8889 %
Concentration RSD	1.1 %	0.5 %	0.7 %	0.2 %	0.1 %	0.3 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540673-03d2 WG2085734
Analysis started at: 7/1/2025 7:03:26 PM
Rack 2
Vial 49
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0054 ppm	49.0704 ppm	0.1016 ppm	0.0247 ppm	1.2229 ppm	0.0039 ppm	34.5481 ppm
Concentration per Run	0.0057 ppm	48.7912 ppm	0.1015 ppm	0.0237 ppm	1.2206 ppm	0.0038 ppm	34.4406 ppm
Concentration per Run	0.0054 ppm	48.3585 ppm	0.1027 ppm	0.0262 ppm	1.2022 ppm	0.0038 ppm	34.2763 ppm
Concentration per Run	0.0052 ppm	50.0615 ppm	0.1005 ppm	0.0242 ppm	1.2460 ppm	0.0040 ppm	34.9273 ppm
Concentration RSD	4.5 %	1.8 %	1.0 %	5.3 %	1.8 %	2.4 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0039 ppm	0.0387 ppm	0.1219 ppm	1.0670 ppm	122.7845 ppm	4.5039 ppm	0.0864 ppm
Concentration per Run	0.0039 ppm	0.0384 ppm	0.1214 ppm	1.0642 ppm	122.0427 ppm	4.5392 ppm	0.0872 ppm
Concentration per Run	0.0040 ppm	0.0396 ppm	0.1214 ppm	1.0694 ppm	121.5242 ppm	4.3881 ppm	0.0847 ppm
Concentration per Run	0.0038 ppm	0.0380 ppm	0.1229 ppm	1.0672 ppm	124.7865 ppm	4.5843 ppm	0.0873 ppm
Concentration RSD	2.1 %	2.2 %	0.7 %	0.2 %	1.4 %	2.3 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.8813 ppm	1.5189 ppm	0.0153 ppm	6.3619 ppm	0.1000 ppm	4.0321 ppm	0.0243 ppm
Concentration per Run	11.9381 ppm	1.5117 ppm	0.0153 ppm	6.3420 ppm	0.1002 ppm	4.0232 ppm	0.0215 ppm
Concentration per Run	11.8634 ppm	1.5046 ppm	0.0156 ppm	6.2036 ppm	0.0990 ppm	4.0203 ppm	0.0262 ppm
Concentration per Run	11.8423 ppm	1.5402 ppm	0.0152 ppm	6.5402 ppm	0.1009 ppm	4.0529 ppm	0.0251 ppm
Concentration RSD	0.4 %	1.2 %	1.5 %	2.7 %	1.0 %	0.4 %	10.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0146 ppm	12.6716 [SIC 200]	0.5233 ppm	0.3471 ppm	2.2450 ppm	0.0025 ppm	0.2062 ppm
Concentration per Run	0.0149 ppm	12.5763 ppm	0.5249 ppm	0.3457 ppm	2.2537 ppm	0.0031 ppm	0.2068 ppm
Concentration per Run	0.0161 ppm	12.5731 ppm	0.5201 ppm	0.3401 ppm	2.2456 ppm	0.0016 ppm	0.2059 ppm
Concentration per Run	0.0127 ppm	12.8655 ppm	0.5249 ppm	0.3556 ppm	2.2355 ppm	0.0027 ppm	0.2059 ppm
Concentration RSD	11.6 %	1.3 %	0.5 %	2.3 %	0.4 %	29.9 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.5492 ppm	96.5731 %	103.6363 %	90.0080 %	112.8931 %	124.6921 %	113.2965 %
Concentration per Run	2.5658 ppm	96.8904 %	104.1704 %	90.0150 %	113.0794 %	124.8604 %	112.9973 %
Concentration per Run	2.5381 ppm	96.4547 %	104.1081 %	90.0150 %	112.6182 %	125.2348 %	112.9218 %
Concentration per Run	2.5437 ppm	96.3743 %	102.6303 %	89.9939 %	112.9817 %	123.9812 %	113.9705 %
Concentration RSD	0.6 %	0.3 %	0.8 %	0.0 %	0.2 %	0.5 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2540673-05d2 WG2085734
Analysis started at: 7/1/2025 7:06:52 PM
Rack 2
Vial 50
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0037 ppm	56.2694 ppm	0.1022 ppm	0.0172 ppm	0.8808 ppm	0.0044 ppm	14.4124 ppm
Concentration per Run	0.0036 ppm	56.0791 ppm	0.1029 ppm	0.0186 ppm	0.8760 ppm	0.0044 ppm	14.4138 ppm
Concentration per Run	0.0038 ppm	56.5193 ppm	0.1022 ppm	0.0180 ppm	0.8868 ppm	0.0045 ppm	14.5335 ppm
Concentration per Run	0.0037 ppm	56.2097 ppm	0.1015 ppm	0.0150 ppm	0.8797 ppm	0.0044 ppm	14.2898 ppm
Concentration RSD	2.2 %	0.4 %	0.6 %	11.1 %	0.6 %	1.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0135 ppm	0.0536 ppm	0.1226 ppm	1.1584 ppm	143.5328 ppm	5.1284 ppm	0.0934 ppm
Concentration per Run	0.0136 ppm	0.0541 ppm	0.1240 ppm	1.1548 ppm	143.1762 ppm	5.1053 ppm	0.0929 ppm
Concentration per Run	0.0137 ppm	0.0537 ppm	0.1233 ppm	1.1625 ppm	144.5109 ppm	5.1740 ppm	0.0933 ppm
Concentration per Run	0.0132 ppm	0.0531 ppm	0.1206 ppm	1.1580 ppm	142.9114 ppm	5.1059 ppm	0.0942 ppm
Concentration RSD	1.9 %	0.9 %	1.5 %	0.3 %	0.6 %	0.8 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	17.0202 ppm	2.1749 ppm	0.0134 ppm	5.3469 ppm	0.1092 ppm	4.3728 ppm	0.0444 ppm
Concentration per Run	17.0825 ppm	2.1768 ppm	0.0137 ppm	5.3246 ppm	0.1101 ppm	4.3915 ppm	0.0443 ppm
Concentration per Run	17.1186 ppm	2.1856 ppm	0.0136 ppm	5.4076 ppm	0.1093 ppm	4.3738 ppm	0.0475 ppm
Concentration per Run	16.8595 ppm	2.1624 ppm	0.0129 ppm	5.3086 ppm	0.1084 ppm	4.3531 ppm	0.0415 ppm
Concentration RSD	0.8 %	0.5 %	3.2 %	1.0 %	0.8 %	0.4 %	6.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0143 ppm	13.3746 [SIC 200]	0.3239 ppm	0.2445 ppm	2.5835 ppm	0.0031 ppm	0.1745 ppm
Concentration per Run	0.0169 ppm	13.5658 ppm	0.3225 ppm	0.2441 ppm	2.6095 ppm	0.0031 ppm	0.1755 ppm
Concentration per Run	0.0142 ppm	13.7039 ppm	0.3252 ppm	0.2459 ppm	2.5898 ppm	0.0030 ppm	0.1747 ppm
Concentration per Run	0.0119 ppm	12.8542 ppm	0.3238 ppm	0.2436 ppm	2.5511 ppm	0.0032 ppm	0.1733 ppm
Concentration RSD	17.5 %	3.4 %	0.4 %	0.5 %	1.1 %	2.5 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.6572 ppm	96.8509 %	104.3098 %	89.7268 %	114.2047 %	126.5034 %	114.5615 %
Concentration per Run	5.6682 ppm	96.7107 %	104.5823 %	89.5173 %	113.7449 %	126.6556 %	114.4757 %
Concentration per Run	5.6606 ppm	96.7186 %	103.7117 %	89.9981 %	115.0688 %	125.1089 %	115.0122 %
Concentration per Run	5.6429 ppm	97.1235 %	104.6354 %	89.6649 %	113.8004 %	127.7457 %	114.1967 %
Concentration RSD	0.2 %	0.2 %	0.5 %	0.3 %	0.7 %	1.0 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 7:10:18 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5194 ppm	0.4947 ppm	0.4870 ppm	0.5183 ppm	0.5112 ppm	0.5101 ppm	0.4849 ppm
Concentration per Run	0.5212 ppm	0.4979 ppm	0.4838 ppm	0.5190 ppm	0.5092 ppm	0.5099 ppm	0.4884 ppm
Concentration per Run	0.5192 ppm	0.4918 ppm	0.4888 ppm	0.5195 ppm	0.5128 ppm	0.5106 ppm	0.4838 ppm
Concentration per Run	0.5178 ppm	0.4944 ppm	0.4885 ppm	0.5166 ppm	0.5116 ppm	0.5098 ppm	0.4827 ppm
Recovery Percentage	103.884 %	98.939 %	97.403 %	103.669 %	102.244 %	102.019 %	96.988 %
Concentration RSD	0.3 %	0.6 %	0.6 %	0.3 %	0.4 %	0.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4886 ppm	0.5099 ppm	0.5251 ppm	0.5250 ppm	0.5291 ppm	5.3167 ppm	0.5297 ppm
Concentration per Run	0.4903 ppm	0.5103 ppm	0.5275 ppm	0.5262 ppm	0.5304 ppm	5.3072 ppm	0.5297 ppm
Concentration per Run	0.4900 ppm	0.5114 ppm	0.5250 ppm	0.5270 ppm	0.5279 ppm	5.2605 ppm	0.5284 ppm
Concentration per Run	0.4855 ppm	0.5081 ppm	0.5227 ppm	0.5218 ppm	0.5290 ppm	5.3826 ppm	0.5311 ppm
Recovery Percentage	97.716 %	101.984 %	105.017 %	105.005 %	105.818 %	106.335 %	105.944 %
Concentration RSD	0.5 %	0.3 %	0.5 %	0.5 %	0.2 %	1.2 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5216 ppm	0.4971 ppm	0.4866 ppm	10.7414 ppm	0.5223 ppm	0.4977 ppm	0.5083 ppm
Concentration per Run	0.5219 ppm	0.4981 ppm	0.4868 ppm	10.7506 ppm	0.5239 ppm	0.4969 ppm	0.5101 ppm
Concentration per Run	0.5199 ppm	0.4970 ppm	0.4895 ppm	10.6823 ppm	0.5231 ppm	0.4984 ppm	0.5085 ppm
Concentration per Run	0.5229 ppm	0.4962 ppm	0.4836 ppm	10.7912 ppm	0.5200 ppm	0.4979 ppm	0.5064 ppm
Recovery Percentage	104.314 %	99.418 %	97.327 %	107.414 %	104.468 %	99.543 %	101.664 %
Concentration RSD	0.3 %	0.2 %	0.6 %	0.5 %	0.4 %	0.2 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5056 ppm	5.6609 ppm	0.5249 ppm	0.5177 ppm	0.5281 ppm	0.4954 ppm	0.5206 ppm
Concentration per Run	0.5017 ppm	5.6705 ppm	0.5248 ppm	0.5166 ppm	0.5310 ppm	0.4945 ppm	0.5213 ppm
Concentration per Run	0.5056 ppm	5.6691 ppm	0.5237 ppm	0.5185 ppm	0.5274 ppm	0.4954 ppm	0.5215 ppm
Concentration per Run	0.5095 ppm	5.6430 ppm	0.5262 ppm	0.5180 ppm	0.5260 ppm	0.4964 ppm	0.5190 ppm
Recovery Percentage	101.121 %	107.826 %	104.982 %	103.543 %	105.623 %	99.086 %	104.114 %
Concentration RSD	0.8 %	0.3 %	0.2 %	0.2 %	0.5 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5114 ppm	93.9496 %	101.7060 %	93.0069 %	93.8570 %	104.1818 %	93.9364 %
Concentration per Run	0.5120 ppm	94.1047 %	101.7703 %	92.8663 %	93.9697 %	104.2061 %	93.5267 %
Concentration per Run	0.5115 ppm	93.9221 %	101.6858 %	93.1341 %	93.8134 %	104.4584 %	94.1750 %
Concentration per Run	0.5107 ppm	93.8221 %	101.6620 %	93.0204 %	93.7879 %	103.8811 %	94.1076 %
Recovery Percentage	102.283 %						
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	0.1 %	0.3 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 7:13:43 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	-0.0013 ppm	-0.0006 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run	-0.0007 ppm	0.0029 ppm	-0.0006 ppm	0.0023 ppm	0.0001 ppm	0.0000 ppm	0.0071 ppm
Concentration per Run	-0.0008 ppm	-0.0049 ppm	-0.0014 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run	-0.0010 ppm	-0.0017 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0088 ppm
Recovery Percentage	-17.169 %	-1.253 %	-12.967 %	4.632 %	0.736 %	0.919 %	7.974 %
Concentration RSD	14.9 %	313.0 %	116.8 %	69.4 %	61.0 %	8.0 %	11.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0006 ppm	0.0003 ppm	0.0010 ppm	0.0059 ppm	0.0506 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0006 ppm	0.0065 ppm	0.0426 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0007 ppm	0.0004 ppm	0.0014 ppm	0.0051 ppm	0.0553 ppm	-0.0001 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0004 ppm	0.0011 ppm	0.0062 ppm	0.0539 ppm	-0.0001 ppm
Recovery Percentage	-0.255 %	-6.067 %	2.541 %	10.234 %	11.864 %	2.023 %	-2.243 %
Concentration RSD	196.8 %	14.0 %	94.9 %	41.3 %	12.6 %	13.8 %	86.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0012 ppm	0.0001 ppm	0.0049 ppm	0.0028 ppm	-0.0007 ppm	-0.0014 ppm	0.0018 ppm
Concentration per Run	-0.0003 ppm	0.0001 ppm	0.0049 ppm	0.0024 ppm	-0.0007 ppm	-0.0024 ppm	0.0036 ppm
Concentration per Run	-0.0013 ppm	0.0002 ppm	0.0048 ppm	0.0033 ppm	-0.0003 ppm	-0.0012 ppm	0.0015 ppm
Concentration per Run	-0.0018 ppm	0.0001 ppm	0.0049 ppm	0.0026 ppm	-0.0012 ppm	-0.0005 ppm	0.0003 ppm
Recovery Percentage	-1.158 %	1.201 %	9.751 %	0.138 %	-2.952 %	-13.558 %	3.604 %
Concentration RSD	68.7 %	76.7 %	1.6 %	18.2 %	58.2 %	70.3 %	91.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0100 ppm	0.0124 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run	0.0073 ppm	0.0091 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run	0.0116 ppm	0.0122 ppm	-0.0003 ppm	0.0000 ppm	0.0005 ppm	0.0004 ppm	-0.0003 ppm
Concentration per Run	0.0111 ppm	0.0160 ppm	0.0008 ppm	0.0001 ppm	0.0003 ppm	-0.0009 ppm	-0.0003 ppm
Recovery Percentage	99.890 %	2.488 %	0.397 %	0.221 %	3.886 %	-1.322 %	-1.522 %
Concentration RSD	23.5 %	28.0 %	275.7 %	151.6 %	25.5 %	242.7 %	165.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	92.4397 %	100.9386 %	92.4178 %	94.2889 %	104.8297 %	94.2621 %
Concentration per Run	0.0002 ppm	91.9799 %	101.0760 %	92.2038 %	94.1566 %	104.8640 %	93.9159 %
Concentration per Run	0.0002 ppm	92.6500 %	100.6159 %	92.6009 %	94.4846 %	103.8793 %	94.6150 %
Concentration per Run	0.0002 ppm	92.6894 %	101.1241 %	92.4488 %	94.2254 %	105.7458 %	94.2554 %
Recovery Percentage	4.161 %						
Concentration RSD	17.7 %	0.4 %	0.3 %	0.2 %	0.2 %	0.9 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536332-03d2 WG2083254
Analysis started at: 7/1/2025 7:22:06 PM
Rack 2
Vial 33
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	0.4147 ppm	0.0002 ppm	0.0201 ppm	0.0879 ppm	0.0000 ppm	1.0346 ppm
Concentration per Run	0.0001 ppm	0.4150 ppm	-0.0022 ppm	0.0188 ppm	0.0883 ppm	0.0000 ppm	1.0533 ppm
Concentration per Run	-0.0003 ppm	0.4225 ppm	0.0018 ppm	0.0206 ppm	0.0888 ppm	0.0000 ppm	1.0317 ppm
Concentration per Run	-0.0005 ppm	0.4066 ppm	0.0011 ppm	0.0208 ppm	0.0867 ppm	0.0000 ppm	1.0187 ppm
Concentration RSD	121.7 %	1.9 %	885.2 %	5.4 %	1.3 %	224.9 %	1.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0043 ppm	28.3657 ppm	0.0165 ppm	0.7757 ppm	33.7355 ppm	2.5652 ppm	0.0032 ppm
Concentration per Run	0.0043 ppm	28.3788 ppm	0.0172 ppm	0.7759 ppm	34.0935 ppm	2.6444 ppm	0.0039 ppm
Concentration per Run	0.0043 ppm	28.4017 ppm	0.0163 ppm	0.7765 ppm	33.8990 ppm	2.5418 ppm	0.0032 ppm
Concentration per Run	0.0044 ppm	28.3165 ppm	0.0160 ppm	0.7747 ppm	33.2139 ppm	2.5093 ppm	0.0024 ppm
Concentration RSD	0.7 %	0.2 %	4.0 %	0.1 %	1.4 %	2.7 %	23.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2115 ppm	0.0887 ppm	0.0025 ppm	1,448.8202 [SIC 500]	1.0573 ppm	0.1550 ppm	0.4795 ppm
Concentration per Run	0.2124 ppm	0.0899 ppm	0.0020 ppm	1,480.9055 ppm	1.0604 ppm	0.1547 ppm	0.4793 ppm
Concentration per Run	0.2111 ppm	0.0889 ppm	0.0029 ppm	1,422.9357 ppm	1.0601 ppm	0.1554 ppm	0.4808 ppm
Concentration per Run	0.2109 ppm	0.0872 ppm	0.0026 ppm	1,442.6194 ppm	1.0514 ppm	0.1548 ppm	0.4785 ppm
Concentration RSD	0.4 %	1.6 %	17.7 %	2.0 %	0.5 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0075 ppm	1.2693 ppm	190.0669 [SIC 50]	0.0271 ppm	0.0553 ppm	-0.0154 ppm	0.0002 ppm
Concentration per Run	0.0090 ppm	1.2658 ppm	190.3202 ppm	0.0272 ppm	0.0552 ppm	-0.0168 ppm	0.0001 ppm
Concentration per Run	0.0071 ppm	1.2766 ppm	190.3347 ppm	0.0273 ppm	0.0554 ppm	-0.0147 ppm	0.0002 ppm
Concentration per Run	0.0063 ppm	1.2654 ppm	189.5458 ppm	0.0267 ppm	0.0552 ppm	-0.0148 ppm	0.0004 ppm
Concentration RSD	18.8 %	0.5 %	0.2 %	1.4 %	0.2 %	7.8 %	80.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3748 ppm	89.0188 %	92.4456 %	82.8401 %	88.5993 %	93.5859 %	88.3161 %
Concentration per Run	0.3757 ppm	88.9591 %	91.5203 %	82.7382 %	88.7650 %	91.9095 %	88.1282 %
Concentration per Run	0.3744 ppm	89.2802 %	92.4988 %	83.0580 %	88.2652 %	94.4695 %	88.4474 %
Concentration per Run	0.3744 ppm	88.8170 %	93.3177 %	82.7240 %	88.7678 %	94.3787 %	88.3726 %
Concentration RSD	0.2 %	0.3 %	1.0 %	0.2 %	0.3 %	1.6 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536691-01d2 WG2083254
Analysis started at: 7/1/2025 7:25:48 PM
Rack 2
Vial 34
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0023 ppm	172.9339 ppm	0.0455 ppm	0.0656 ppm	1.7260 ppm	0.0130 ppm	54.0490 ppm
Concentration per Run	0.0022 ppm	173.5253 ppm	0.0462 ppm	0.0659 ppm	1.7279 ppm	0.0131 ppm	54.1142 ppm
Concentration per Run	0.0025 ppm	173.1972 ppm	0.0444 ppm	0.0663 ppm	1.7341 ppm	0.0129 ppm	54.1169 ppm
Concentration per Run	0.0022 ppm	172.0792 ppm	0.0459 ppm	0.0644 ppm	1.7159 ppm	0.0130 ppm	53.9158 ppm
Concentration RSD	6.6 %	0.4 %	2.2 %	1.5 %	0.5 %	0.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0013 ppm	0.1265 ppm	0.3267 ppm	0.2776 ppm	221.5211 ppm	40.9675 ppm	0.6008 ppm
Concentration per Run	-0.0015 ppm	0.1276 ppm	0.3290 ppm	0.2793 ppm	222.0600 ppm	40.3669 ppm	0.6033 ppm
Concentration per Run	-0.0012 ppm	0.1259 ppm	0.3265 ppm	0.2769 ppm	221.4321 ppm	41.6277 ppm	0.6040 ppm
Concentration per Run	-0.0012 ppm	0.1260 ppm	0.3246 ppm	0.2766 ppm	221.0712 ppm	40.9078 ppm	0.5949 ppm
Concentration RSD	12.5 %	0.7 %	0.7 %	0.5 %	0.2 %	1.5 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	110.9085 ppm	8.0147 ppm	0.0023 ppm	12.3238 ppm	0.2645 ppm	0.1918 ppm	0.0067 ppm
Concentration per Run	111.7204 ppm	8.0434 ppm	0.0018 ppm	12.2378 ppm	0.2681 ppm	0.1931 ppm	0.0085 ppm
Concentration per Run	110.6577 ppm	8.0081 ppm	0.0021 ppm	12.4846 ppm	0.2641 ppm	0.1918 ppm	0.0062 ppm
Concentration per Run	110.3474 ppm	7.9925 ppm	0.0029 ppm	12.2491 ppm	0.2612 ppm	0.1906 ppm	0.0055 ppm
Concentration RSD	0.6 %	0.3 %	25.4 %	1.1 %	1.3 %	0.7 %	23.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	6.2615 ppm	0.1755 ppm	0.4214 ppm	6.8097 ppm	0.0113 ppm	0.3872 ppm
Concentration per Run	0.0026 ppm	6.3029 ppm	0.1864 ppm	0.4212 ppm	6.8410 ppm	0.0121 ppm	0.3895 ppm
Concentration per Run	0.0025 ppm	6.2391 ppm	0.1752 ppm	0.4236 ppm	6.8024 ppm	0.0096 ppm	0.3865 ppm
Concentration per Run	0.0018 ppm	6.2426 ppm	0.1648 ppm	0.4194 ppm	6.7857 ppm	0.0122 ppm	0.3856 ppm
Concentration RSD	17.0 %	0.6 %	6.1 %	0.5 %	0.4 %	13.0 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7108 ppm	107.0594 %	114.9446 %	90.5808 %	173.4063 %	191.2231 %	172.7311 %
Concentration per Run	0.7163 ppm	106.3844 %	115.1946 %	90.6513 %	172.6690 %	192.8839 %	172.7695 %
Concentration per Run	0.7090 ppm	107.1149 %	114.9239 %	90.6241 %	173.3791 %	189.9999 %	172.6763 %
Concentration per Run	0.7070 ppm	107.6790 %	114.7151 %	90.4671 %	174.1710 %	190.7854 %	172.7475 %
Concentration RSD	0.7 %	0.6 %	0.2 %	0.1 %	0.4 %	0.8 %	0.0 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536691-02d2 WG2083254
Analysis started at: 7/1/2025 7:29:13 PM
Rack 2
Vial 35
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0019 ppm	186.6546 ppm	0.0470 ppm	0.0496 ppm	1.3364 ppm	0.0127 ppm	54.6424 ppm
Concentration per Run	0.0018 ppm	186.9056 ppm	0.0476 ppm	0.0497 ppm	1.3420 ppm	0.0127 ppm	54.2957 ppm
Concentration per Run	0.0020 ppm	186.2750 ppm	0.0447 ppm	0.0481 ppm	1.3346 ppm	0.0128 ppm	54.9766 ppm
Concentration per Run	0.0018 ppm	186.7832 ppm	0.0488 ppm	0.0511 ppm	1.3326 ppm	0.0128 ppm	54.6549 ppm
Concentration RSD	3.7 %	0.2 %	4.5 %	3.0 %	0.4 %	0.5 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0008 ppm	0.1276 ppm	0.2801 ppm	0.4117 ppm	178.2376 ppm	41.6517 ppm	0.5762 ppm
Concentration per Run	-0.0007 ppm	0.1277 ppm	0.2795 ppm	0.4108 ppm	177.1587 ppm	41.7819 ppm	0.5875 ppm
Concentration per Run	-0.0009 ppm	0.1280 ppm	0.2804 ppm	0.4136 ppm	178.7880 ppm	41.7369 ppm	0.5743 ppm
Concentration per Run	-0.0008 ppm	0.1271 ppm	0.2802 ppm	0.4105 ppm	178.7660 ppm	41.4363 ppm	0.5668 ppm
Concentration RSD	12.3 %	0.4 %	0.2 %	0.4 %	0.5 %	0.5 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	103.3493 ppm	8.5440 ppm	0.0042 ppm	7.7883 ppm	0.2611 ppm	0.1578 ppm	0.0026 ppm
Concentration per Run	103.0486 ppm	8.4943 ppm	0.0037 ppm	7.8042 ppm	0.2600 ppm	0.1577 ppm	0.0020 ppm
Concentration per Run	103.2043 ppm	8.5635 ppm	0.0047 ppm	7.8324 ppm	0.2620 ppm	0.1584 ppm	0.0027 ppm
Concentration per Run	103.7949 ppm	8.5742 ppm	0.0043 ppm	7.7282 ppm	0.2614 ppm	0.1574 ppm	0.0030 ppm
Concentration RSD	0.4 %	0.5 %	12.2 %	0.7 %	0.4 %	0.3 %	19.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	4.9336 ppm	0.0367 ppm	0.4797 ppm	5.7489 ppm	0.0086 ppm	0.3491 ppm
Concentration per Run	0.0041 ppm	4.9292 ppm	0.0351 ppm	0.4778 ppm	5.7328 ppm	0.0078 ppm	0.3492 ppm
Concentration per Run	0.0042 ppm	4.9484 ppm	0.0376 ppm	0.4796 ppm	5.7639 ppm	0.0080 ppm	0.3491 ppm
Concentration per Run	0.0020 ppm	4.9232 ppm	0.0374 ppm	0.4818 ppm	5.7501 ppm	0.0099 ppm	0.3489 ppm
Concentration RSD	36.4 %	0.3 %	3.7 %	0.4 %	0.3 %	13.9 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7010 ppm	106.4831 %	115.3897 %	91.8060 %	**163.2588 %**	**184.2830 %**	**164.4491 %**
Concentration per Run	0.7042 ppm	106.5463 %	116.0722 %	91.8406 %	**163.2784 %**	**184.7111 %**	**164.5323 %**
Concentration per Run	0.6997 ppm	106.8581 %	115.1271 %	92.1637 %	**164.3988 %**	**183.1802 %**	**164.7592 %**
Concentration per Run	0.6992 ppm	106.0450 %	114.9698 %	91.4136 %	**162.0994 %**	**184.9577 %**	**164.0559 %**
Concentration RSD	0.4 %	0.4 %	0.5 %	0.4 %	**0.7 %**	**0.5 %**	**0.2 %**

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536696-01d2 WG2083254
Analysis started at: 7/1/2025 7:32:40 PM
Rack 2
Vial 36
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0041 ppm	21.1222 ppm	0.1114 ppm	0.0089 ppm	0.0802 ppm	0.0011 ppm	1.7164 ppm
Concentration per Run	0.0039 ppm	21.2306 ppm	0.1095 ppm	0.0091 ppm	0.0802 ppm	0.0011 ppm	1.7162 ppm
Concentration per Run	0.0040 ppm	21.0099 ppm	0.1108 ppm	0.0080 ppm	0.0803 ppm	0.0010 ppm	1.7151 ppm
Concentration per Run	0.0043 ppm	21.1260 ppm	0.1138 ppm	0.0097 ppm	0.0802 ppm	0.0011 ppm	1.7179 ppm
Concentration RSD	5.5 %	0.5 %	2.0 %	9.3 %	0.1 %	4.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0002 ppm	0.0775 ppm	0.2752 ppm	195.8010 ppm	0.8091 ppm	0.0047 ppm
Concentration per Run	-0.0004 ppm	-0.0001 ppm	0.0773 ppm	0.2770 ppm	196.0117 ppm	0.8238 ppm	0.0050 ppm
Concentration per Run	-0.0005 ppm	-0.0007 ppm	0.0780 ppm	0.2748 ppm	195.1906 ppm	0.8166 ppm	0.0054 ppm
Concentration per Run	-0.0003 ppm	0.0003 ppm	0.0771 ppm	0.2739 ppm	196.2007 ppm	0.7870 ppm	0.0037 ppm
Concentration RSD	27.8 %	281.5 %	0.7 %	0.6 %	0.3 %	2.4 %	18.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.6393 ppm	0.2024 ppm	0.0030 ppm	0.1450 ppm	0.0108 ppm	0.4045 ppm	0.0171 ppm
Concentration per Run	0.6401 ppm	0.2027 ppm	0.0032 ppm	0.1448 ppm	0.0103 ppm	0.4038 ppm	0.0176 ppm
Concentration per Run	0.6424 ppm	0.2018 ppm	0.0030 ppm	0.1442 ppm	0.0111 ppm	0.4047 ppm	0.0183 ppm
Concentration per Run	0.6353 ppm	0.2028 ppm	0.0030 ppm	0.1461 ppm	0.0109 ppm	0.4051 ppm	0.0154 ppm
Concentration RSD	0.6 %	0.3 %	3.7 %	0.7 %	4.1 %	0.2 %	8.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0130 ppm	2.6059 ppm	0.0420 ppm	0.0141 ppm	0.3313 ppm	0.0014 ppm	0.4844 ppm
Concentration per Run	0.0134 ppm	2.6208 ppm	0.0406 ppm	0.0141 ppm	0.3336 ppm	0.0008 ppm	0.4861 ppm
Concentration per Run	0.0144 ppm	2.6006 ppm	0.0428 ppm	0.0141 ppm	0.3309 ppm	0.0025 ppm	0.4845 ppm
Concentration per Run	0.0114 ppm	2.5961 ppm	0.0425 ppm	0.0140 ppm	0.3294 ppm	0.0010 ppm	0.4825 ppm
Concentration RSD	11.9 %	0.5 %	2.9 %	0.4 %	0.6 %	65.9 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1687 ppm	94.9863 %	103.0510 %	90.9856 %	96.7429 %	107.2894 %	97.4609 %
Concentration per Run	0.1686 ppm	95.4882 %	102.9632 %	91.3839 %	97.1884 %	107.1177 %	97.5328 %
Concentration per Run	0.1690 ppm	94.5369 %	103.2341 %	90.5354 %	95.8892 %	107.2138 %	97.2585 %
Concentration per Run	0.1685 ppm	94.9338 %	102.9558 %	91.0375 %	97.1511 %	107.5366 %	97.5914 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.5 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536696-02d2 WG2083254
Analysis started at: 7/1/2025 7:36:06 PM
Rack 2
Vial 37
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	10.3207 ppm	0.0228 ppm	0.0035 ppm	0.0405 ppm	0.0004 ppm	0.2442 ppm
Concentration per Run	0.0002 ppm	10.3923 ppm	0.0248 ppm	0.0034 ppm	0.0407 ppm	0.0005 ppm	0.2435 ppm
Concentration per Run	0.0000 ppm	10.3026 ppm	0.0225 ppm	0.0031 ppm	0.0402 ppm	0.0004 ppm	0.2474 ppm
Concentration per Run	0.0005 ppm	10.2672 ppm	0.0210 ppm	0.0042 ppm	0.0405 ppm	0.0004 ppm	0.2417 ppm
Concentration RSD	118.4 %	0.6 %	8.4 %	16.3 %	0.6 %	3.0 %	1.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0254 ppm	0.1443 ppm	33.6994 ppm	0.3698 ppm	0.0037 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0254 ppm	0.1443 ppm	33.6996 ppm	0.3722 ppm	0.0038 ppm
Concentration per Run	0.0001 ppm	0.0001 ppm	0.0251 ppm	0.1444 ppm	33.9075 ppm	0.3620 ppm	0.0033 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0258 ppm	0.1443 ppm	33.4910 ppm	0.3752 ppm	0.0041 ppm
Concentration RSD	12.9 %	163.5 %	1.3 %	0.1 %	0.6 %	1.9 %	10.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.2789 ppm	0.0092 ppm	0.0013 ppm	0.0864 ppm	0.0042 ppm	0.1861 ppm	0.0070 ppm
Concentration per Run	0.2791 ppm	0.0093 ppm	0.0012 ppm	0.0888 ppm	0.0045 ppm	0.1888 ppm	0.0066 ppm
Concentration per Run	0.2782 ppm	0.0091 ppm	0.0012 ppm	0.0863 ppm	0.0043 ppm	0.1848 ppm	0.0074 ppm
Concentration per Run	0.2794 ppm	0.0092 ppm	0.0014 ppm	0.0842 ppm	0.0039 ppm	0.1848 ppm	0.0070 ppm
Concentration RSD	0.2 %	0.9 %	7.4 %	2.6 %	7.4 %	1.3 %	5.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0087 ppm	2.2871 ppm	0.0244 ppm	0.0056 ppm	0.1796 ppm	-0.0001 ppm	0.1004 ppm
Concentration per Run	0.0103 ppm	2.2942 ppm	0.0249 ppm	0.0057 ppm	0.1802 ppm	-0.0008 ppm	0.1006 ppm
Concentration per Run	0.0071 ppm	2.2891 ppm	0.0245 ppm	0.0056 ppm	0.1795 ppm	-0.0002 ppm	0.1003 ppm
Concentration per Run	0.0087 ppm	2.2781 ppm	0.0238 ppm	0.0056 ppm	0.1790 ppm	0.0007 ppm	0.1004 ppm
Concentration RSD	18.5 %	0.4 %	2.3 %	1.0 %	0.3 %	1,103.3 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0409 ppm	95.7259 %	103.2031 %	93.7354 %	97.5656 %	107.5605 %	97.5154 %
Concentration per Run	0.0410 ppm	95.5717 %	103.6083 %	93.3657 %	97.6213 %	107.8129 %	97.2618 %
Concentration per Run	0.0411 ppm	95.8799 %	101.9570 %	93.6703 %	97.6576 %	106.6196 %	97.4995 %
Concentration per Run	0.0405 ppm	95.7261 %	104.0441 %	94.1701 %	97.4179 %	108.2489 %	97.7849 %
Concentration RSD	0.7 %	0.2 %	1.1 %	0.4 %	0.1 %	0.8 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536696-03d2 WG2083254
Analysis started at: 7/1/2025 7:39:32 PM
Rack 2
Vial 38
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0034 ppm	16.2596 ppm	0.0602 ppm	0.0064 ppm	0.0260 ppm	0.0007 ppm	0.1262 ppm
Concentration per Run	0.0032 ppm	16.1927 ppm	0.0612 ppm	0.0059 ppm	0.0258 ppm	0.0006 ppm	0.1275 ppm
Concentration per Run	0.0037 ppm	16.1162 ppm	0.0598 ppm	0.0068 ppm	0.0257 ppm	0.0007 ppm	0.1213 ppm
Concentration per Run	0.0034 ppm	16.4701 ppm	0.0595 ppm	0.0066 ppm	0.0266 ppm	0.0007 ppm	0.1299 ppm
Concentration RSD	7.1 %	1.1 %	1.5 %	7.4 %	1.8 %	3.2 %	3.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0013 ppm	-0.0001 ppm	0.0477 ppm	0.0792 ppm	205.7125 ppm	0.5656 ppm	0.0038 ppm
Concentration per Run	-0.0012 ppm	-0.0003 ppm	0.0479 ppm	0.0797 ppm	205.5830 ppm	0.5711 ppm	0.0041 ppm
Concentration per Run	-0.0013 ppm	-0.0002 ppm	0.0486 ppm	0.0794 ppm	202.5978 ppm	0.5571 ppm	0.0039 ppm
Concentration per Run	-0.0014 ppm	0.0000 ppm	0.0467 ppm	0.0785 ppm	208.9567 ppm	0.5686 ppm	0.0035 ppm
Concentration RSD	4.8 %	122.9 %	2.1 %	0.8 %	1.5 %	1.3 %	7.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3610 ppm	0.0624 ppm	0.0007 ppm	0.0760 ppm	0.0038 ppm	0.0917 ppm	0.0117 ppm
Concentration per Run	0.3640 ppm	0.0626 ppm	0.0009 ppm	0.0756 ppm	0.0035 ppm	0.0899 ppm	0.0123 ppm
Concentration per Run	0.3644 ppm	0.0615 ppm	0.0002 ppm	0.0747 ppm	0.0037 ppm	0.0917 ppm	0.0116 ppm
Concentration per Run	0.3547 ppm	0.0632 ppm	0.0010 ppm	0.0776 ppm	0.0041 ppm	0.0936 ppm	0.0113 ppm
Concentration RSD	1.5 %	1.4 %	65.6 %	1.9 %	8.1 %	2.0 %	4.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0088 ppm	2.9644 ppm	0.0134 ppm	0.0041 ppm	0.2853 ppm	0.0002 ppm	0.2134 ppm
Concentration per Run	0.0092 ppm	2.9777 ppm	0.0135 ppm	0.0041 ppm	0.2876 ppm	0.0012 ppm	0.2148 ppm
Concentration per Run	0.0076 ppm	2.9762 ppm	0.0132 ppm	0.0041 ppm	0.2857 ppm	0.0002 ppm	0.2134 ppm
Concentration per Run	0.0097 ppm	2.9392 ppm	0.0136 ppm	0.0042 ppm	0.2824 ppm	-0.0007 ppm	0.2120 ppm
Concentration RSD	12.6 %	0.7 %	1.6 %	1.2 %	0.9 %	391.2 %	0.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0617 ppm	94.0980 %	101.7838 %	91.1148 %	95.6862 %	106.0795 %	97.3640 %
Concentration per Run	0.0615 ppm	94.1174 %	102.0155 %	90.5762 %	95.5297 %	106.6414 %	97.1548 %
Concentration per Run	0.0621 ppm	93.2944 %	103.3234 %	91.3308 %	95.4672 %	107.2207 %	97.4824 %
Concentration per Run	0.0616 ppm	94.8822 %	100.0125 %	91.4373 %	96.0617 %	104.3765 %	97.4548 %
Concentration RSD	0.5 %	0.8 %	1.6 %	0.5 %	0.3 %	1.4 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536696-04d2 WG2083254
Analysis started at: 7/1/2025 7:42:58 PM
Rack 2
Vial 39
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0050 ppm	16.6334 ppm	0.1028 ppm	0.0101 ppm	0.0402 ppm	0.0012 ppm	0.2329 ppm
Concentration per Run	0.0048 ppm	16.7370 ppm	0.1016 ppm	0.0100 ppm	0.0405 ppm	0.0012 ppm	0.2311 ppm
Concentration per Run	0.0050 ppm	16.7267 ppm	0.1029 ppm	0.0103 ppm	0.0405 ppm	0.0013 ppm	0.2360 ppm
Concentration per Run	0.0051 ppm	16.4364 ppm	0.1038 ppm	0.0100 ppm	0.0397 ppm	0.0012 ppm	0.2316 ppm
Concentration RSD	3.2 %	1.0 %	1.1 %	2.0 %	1.1 %	0.9 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0020 ppm	-0.0002 ppm	0.0807 ppm	0.1529 ppm	292.3606 ppm	1.0028 ppm	0.0023 ppm
Concentration per Run	-0.0019 ppm	-0.0006 ppm	0.0808 ppm	0.1532 ppm	293.3065 ppm	1.0344 ppm	0.0021 ppm
Concentration per Run	-0.0021 ppm	0.0003 ppm	0.0807 ppm	0.1531 ppm	294.9166 ppm	0.9985 ppm	0.0025 ppm
Concentration per Run	-0.0020 ppm	-0.0003 ppm	0.0807 ppm	0.1524 ppm	288.8586 ppm	0.9755 ppm	0.0024 ppm
Concentration RSD	3.7 %	207.5 %	0.1 %	0.3 %	1.1 %	3.0 %	9.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3576 ppm	0.1635 ppm	0.0021 ppm	0.0594 ppm	0.0067 ppm	0.1688 ppm	0.0162 ppm
Concentration per Run	0.3557 ppm	0.1640 ppm	0.0020 ppm	0.0582 ppm	0.0057 ppm	0.1702 ppm	0.0152 ppm
Concentration per Run	0.3593 ppm	0.1651 ppm	0.0020 ppm	0.0631 ppm	0.0075 ppm	0.1688 ppm	0.0163 ppm
Concentration per Run	0.3579 ppm	0.1613 ppm	0.0024 ppm	0.0570 ppm	0.0070 ppm	0.1675 ppm	0.0171 ppm
Concentration RSD	0.5 %	1.2 %	10.2 %	5.4 %	14.0 %	0.8 %	5.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0089 ppm	2.6907 ppm	0.0150 ppm	0.0102 ppm	0.5481 ppm	0.0019 ppm	0.4088 ppm
Concentration per Run	0.0079 ppm	2.6910 ppm	0.0156 ppm	0.0103 ppm	0.5482 ppm	0.0003 ppm	0.4097 ppm
Concentration per Run	0.0083 ppm	2.6852 ppm	0.0146 ppm	0.0102 ppm	0.5479 ppm	0.0014 ppm	0.4087 ppm
Concentration per Run	0.0105 ppm	2.6958 ppm	0.0148 ppm	0.0100 ppm	0.5483 ppm	0.0039 ppm	0.4082 ppm
Concentration RSD	15.4 %	0.2 %	3.4 %	1.7 %	0.0 %	97.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1239 ppm	93.2977 %	102.1170 %	88.5352 %	94.3188 %	105.5269 %	95.2317 %
Concentration per Run	0.1243 ppm	93.5876 %	101.4808 %	88.0767 %	94.4950 %	104.6140 %	94.8028 %
Concentration per Run	0.1233 ppm	93.5922 %	101.9544 %	88.9979 %	94.3601 %	105.3832 %	95.6230 %
Concentration per Run	0.1243 ppm	92.7133 %	102.9159 %	88.5310 %	94.1012 %	106.5835 %	95.2693 %
Concentration RSD	0.4 %	0.5 %	0.7 %	0.5 %	0.2 %	0.9 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536696-05d2 WG2083254
Analysis started at: 7/1/2025 7:46:24 PM
Rack 2
Vial 40
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0019 ppm	11.8786 ppm	0.0523 ppm	0.0085 ppm	0.0255 ppm	0.0003 ppm	0.5077 ppm
Concentration per Run	0.0020 ppm	11.9232 ppm	0.0530 ppm	0.0095 ppm	0.0256 ppm	0.0003 ppm	0.5035 ppm
Concentration per Run	0.0020 ppm	11.8057 ppm	0.0511 ppm	0.0081 ppm	0.0256 ppm	0.0003 ppm	0.5116 ppm
Concentration per Run	0.0016 ppm	11.9068 ppm	0.0527 ppm	0.0080 ppm	0.0253 ppm	0.0003 ppm	0.5079 ppm
Concentration RSD	12.7 %	0.5 %	1.9 %	10.3 %	0.7 %	3.3 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0004 ppm	0.0324 ppm	0.1417 ppm	107.7914 ppm	0.5961 ppm	0.0021 ppm
Concentration per Run	-0.0005 ppm	-0.0001 ppm	0.0323 ppm	0.1416 ppm	108.0556 ppm	0.6098 ppm	0.0022 ppm
Concentration per Run	-0.0005 ppm	-0.0006 ppm	0.0327 ppm	0.1422 ppm	108.0349 ppm	0.5944 ppm	0.0021 ppm
Concentration per Run	-0.0003 ppm	-0.0006 ppm	0.0323 ppm	0.1412 ppm	107.2838 ppm	0.5840 ppm	0.0019 ppm
Concentration RSD	26.6 %	72.8 %	0.8 %	0.3 %	0.4 %	2.2 %	7.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3740 ppm	0.0330 ppm	0.0014 ppm	0.0978 ppm	0.0046 ppm	0.1817 ppm	0.0103 ppm
Concentration per Run	0.3718 ppm	0.0332 ppm	0.0010 ppm	0.0981 ppm	0.0040 ppm	0.1816 ppm	0.0137 ppm
Concentration per Run	0.3735 ppm	0.0328 ppm	0.0019 ppm	0.0968 ppm	0.0053 ppm	0.1827 ppm	0.0079 ppm
Concentration per Run	0.3767 ppm	0.0330 ppm	0.0013 ppm	0.0986 ppm	0.0044 ppm	0.1808 ppm	0.0095 ppm
Concentration RSD	0.7 %	0.5 %	31.6 %	0.9 %	15.3 %	0.5 %	29.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0099 ppm	1.9351 ppm	0.0153 ppm	0.0064 ppm	0.2711 ppm	0.0000 ppm	0.1723 ppm
Concentration per Run	0.0109 ppm	1.9274 ppm	0.0156 ppm	0.0064 ppm	0.2710 ppm	0.0012 ppm	0.1722 ppm
Concentration per Run	0.0095 ppm	1.9410 ppm	0.0148 ppm	0.0064 ppm	0.2710 ppm	-0.0012 ppm	0.1725 ppm
Concentration per Run	0.0093 ppm	1.9368 ppm	0.0155 ppm	0.0064 ppm	0.2715 ppm	-0.0001 ppm	0.1722 ppm
Concentration RSD	9.1 %	0.4 %	3.0 %	0.6 %	0.1 %	14,099.0 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0706 ppm	95.6938 %	102.7425 %	92.4750 %	96.7131 %	106.0213 %	96.6452 %
Concentration per Run	0.0704 ppm	95.3183 %	102.5405 %	92.1642 %	96.2721 %	105.6095 %	96.3405 %
Concentration per Run	0.0710 ppm	95.7237 %	103.0144 %	92.3462 %	96.7076 %	105.9442 %	96.6379 %
Concentration per Run	0.0703 ppm	96.0395 %	102.6728 %	92.9145 %	97.1596 %	106.5101 %	96.9571 %
Concentration RSD	0.6 %	0.4 %	0.2 %	0.4 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536696-06d2 WG2083254
Analysis started at: 7/1/2025 7:49:49 PM
Rack 2
Vial 41
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0028 ppm	17.2157 ppm	0.0877 ppm	0.0086 ppm	0.2319 ppm	0.0010 ppm	3.6707 ppm
Concentration per Run	0.0027 ppm	17.1616 ppm	0.0868 ppm	0.0100 ppm	0.2305 ppm	0.0010 ppm	3.6952 ppm
Concentration per Run	0.0030 ppm	17.1646 ppm	0.0880 ppm	0.0075 ppm	0.2322 ppm	0.0010 ppm	3.6591 ppm
Concentration per Run	0.0027 ppm	17.3210 ppm	0.0883 ppm	0.0082 ppm	0.2330 ppm	0.0010 ppm	3.6578 ppm
Concentration RSD	5.9 %	0.5 %	0.9 %	15.1 %	0.5 %	1.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0009 ppm	0.0027 ppm	0.0676 ppm	0.1677 ppm	180.5880 ppm	1.2940 ppm	0.0035 ppm
Concentration per Run	0.0010 ppm	0.0033 ppm	0.0679 ppm	0.1687 ppm	180.6075 ppm	1.3012 ppm	0.0032 ppm
Concentration per Run	0.0010 ppm	0.0026 ppm	0.0673 ppm	0.1669 ppm	180.5257 ppm	1.2864 ppm	0.0038 ppm
Concentration per Run	0.0008 ppm	0.0022 ppm	0.0677 ppm	0.1674 ppm	180.6308 ppm	1.2946 ppm	0.0034 ppm
Concentration RSD	15.1 %	20.3 %	0.5 %	0.6 %	0.0 %	0.6 %	8.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.8978 ppm	0.4334 ppm	0.0017 ppm	0.0690 ppm	0.0188 ppm	0.2115 ppm	0.0164 ppm
Concentration per Run	0.9048 ppm	0.4352 ppm	0.0018 ppm	0.0699 ppm	0.0196 ppm	0.2102 ppm	0.0174 ppm
Concentration per Run	0.8949 ppm	0.4325 ppm	0.0012 ppm	0.0676 ppm	0.0181 ppm	0.2134 ppm	0.0167 ppm
Concentration per Run	0.8938 ppm	0.4324 ppm	0.0020 ppm	0.0694 ppm	0.0187 ppm	0.2110 ppm	0.0153 ppm
Concentration RSD	0.7 %	0.4 %	24.1 %	1.8 %	3.9 %	0.8 %	6.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0090 ppm	3.1112 ppm	0.0180 ppm	0.0512 ppm	0.4007 ppm	0.0020 ppm	0.2535 ppm
Concentration per Run	0.0058 ppm	3.1329 ppm	0.0185 ppm	0.0510 ppm	0.4030 ppm	0.0021 ppm	0.2549 ppm
Concentration per Run	0.0086 ppm	3.1064 ppm	0.0180 ppm	0.0512 ppm	0.4000 ppm	0.0026 ppm	0.2532 ppm
Concentration per Run	0.0126 ppm	3.0944 ppm	0.0175 ppm	0.0514 ppm	0.3992 ppm	0.0013 ppm	0.2525 ppm
Concentration RSD	38.1 %	0.6 %	2.7 %	0.4 %	0.5 %	31.7 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4614 ppm	94.8207 %	101.9733 %	91.1654 %	95.8587 %	106.5025 %	96.9030 %
Concentration per Run	0.4642 ppm	94.4254 %	101.5762 %	91.6259 %	95.6640 %	105.8704 %	97.0770 %
Concentration per Run	0.4634 ppm	94.9566 %	102.3274 %	90.9154 %	96.0140 %	107.2974 %	96.8101 %
Concentration per Run	0.4566 ppm	95.0802 %	102.0161 %	90.9548 %	95.8980 %	106.3398 %	96.8218 %
Concentration RSD	0.9 %	0.4 %	0.4 %	0.4 %	0.2 %	0.7 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2538075-01d2 WG2083254
Analysis started at: 7/1/2025 7:53:15 PM
Rack 2
Vial 42
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	99.2419 ppm	0.0342 ppm	0.0894 ppm	0.9246 ppm	0.0047 ppm	585.5046 [SIC 1000]
Concentration per Run	0.0015 ppm	99.0032 ppm	0.0338 ppm	0.0888 ppm	0.9193 ppm	0.0047 ppm	588.4770 ppm
Concentration per Run	0.0018 ppm	99.6072 ppm	0.0338 ppm	0.0904 ppm	0.9303 ppm	0.0047 ppm	585.9757 ppm
Concentration per Run	0.0013 ppm	99.1153 ppm	0.0350 ppm	0.0889 ppm	0.9242 ppm	0.0047 ppm	582.0611 ppm
Concentration RSD	15.3 %	0.3 %	2.1 %	1.0 %	0.6 %	0.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0021 ppm	0.0828 ppm	0.1542 ppm	0.1881 ppm	168.1482 ppm	13.1703 ppm	0.2519 ppm
Concentration per Run	-0.0022 ppm	0.0832 ppm	0.1537 ppm	0.1884 ppm	168.0288 ppm	13.1418 ppm	0.2479 ppm
Concentration per Run	-0.0021 ppm	0.0823 ppm	0.1548 ppm	0.1885 ppm	168.6932 ppm	13.1603 ppm	0.2549 ppm
Concentration per Run	-0.0020 ppm	0.0828 ppm	0.1541 ppm	0.1874 ppm	167.7226 ppm	13.2087 ppm	0.2528 ppm
Concentration RSD	3.5 %	0.6 %	0.4 %	0.3 %	0.3 %	0.3 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	247.3780 ppm	4.3950 ppm	0.0032 ppm	2.0079 ppm	0.1925 ppm	0.0948 ppm	0.0060 ppm
Concentration per Run	248.3611 ppm	4.4017 ppm	0.0035 ppm	2.0031 ppm	0.1928 ppm	0.0947 ppm	0.0084 ppm
Concentration per Run	247.6755 ppm	4.4101 ppm	0.0032 ppm	2.0079 ppm	0.1921 ppm	0.0940 ppm	0.0050 ppm
Concentration per Run	246.0973 ppm	4.3733 ppm	0.0028 ppm	2.0127 ppm	0.1926 ppm	0.0958 ppm	0.0046 ppm
Concentration RSD	0.5 %	0.4 %	9.9 %	0.2 %	0.2 %	1.0 %	34.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	12.0062 [SIC 200]	0.0066 ppm	3.5644 ppm	1.7948 ppm	0.0029 ppm	0.1906 ppm
Concentration per Run	-0.0004 ppm	12.0557 ppm	0.0068 ppm	3.5423 ppm	1.7968 ppm	0.0038 ppm	0.1907 ppm
Concentration per Run	0.0030 ppm	11.9930 ppm	0.0060 ppm	3.5905 ppm	1.7929 ppm	0.0012 ppm	0.1907 ppm
Concentration per Run	0.0031 ppm	11.9700 ppm	0.0071 ppm	3.5606 ppm	1.7946 ppm	0.0036 ppm	0.1903 ppm
Concentration RSD	105.3 %	0.4 %	8.2 %	0.7 %	0.1 %	50.8 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6015 ppm	93.3521 %	100.8547 %	81.7162 %	123.9506 %	136.8011 %	122.0946 %
Concentration per Run	0.6060 ppm	92.9648 %	100.6121 %	82.0214 %	123.7740 %	135.7293 %	122.2180 %
Concentration per Run	0.5996 ppm	93.3812 %	100.8239 %	81.7471 %	123.7759 %	137.5409 %	122.0000 %
Concentration per Run	0.5987 ppm	93.7102 %	101.1281 %	81.3799 %	124.3018 %	137.1331 %	122.0657 %
Concentration RSD	0.7 %	0.4 %	0.3 %	0.4 %	0.2 %	0.7 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 8:03:56 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5107 ppm	0.4875 ppm	0.4590 ppm	0.4935 ppm	0.5122 ppm	0.5124 ppm	0.4907 ppm
Concentration per Run	0.5099 ppm	0.4844 ppm	0.4629 ppm	0.4947 ppm	0.5133 ppm	0.5135 ppm	0.4941 ppm
Concentration per Run	0.5129 ppm	0.4894 ppm	0.4590 ppm	0.4911 ppm	0.5081 ppm	0.5114 ppm	0.4892 ppm
Concentration per Run	0.5092 ppm	0.4888 ppm	0.4551 ppm	0.4948 ppm	0.5152 ppm	0.5125 ppm	0.4889 ppm
Recovery Percentage	102.136 %	97.500 %	91.802 %	98.706 %	102.437 %	102.486 %	98.145 %
Concentration RSD	0.4 %	0.6 %	0.9 %	0.4 %	0.7 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4661 ppm	0.4946 ppm	0.5114 ppm	0.5249 ppm	0.5151 ppm	5.3101 ppm	0.5357 ppm
Concentration per Run	0.4667 ppm	0.4946 ppm	0.5087 ppm	0.5263 ppm	0.5171 ppm	5.3102 ppm	0.5331 ppm
Concentration per Run	0.4706 ppm	0.4977 ppm	0.5142 ppm	0.5274 ppm	0.5159 ppm	5.2126 ppm	0.5270 ppm
Concentration per Run	0.4610 ppm	0.4915 ppm	0.5113 ppm	0.5211 ppm	0.5124 ppm	5.4074 ppm	0.5470 ppm
Recovery Percentage	93.220 %	98.920 %	102.282 %	104.989 %	103.025 %	106.202 %	107.140 %
Concentration RSD	1.0 %	0.6 %	0.5 %	0.6 %	0.5 %	1.8 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5006 ppm	0.5017 ppm	0.4773 ppm	10.6973 ppm	0.5067 ppm	0.4929 ppm	0.4877 ppm
Concentration per Run	0.5016 ppm	0.5032 ppm	0.4767 ppm	10.5965 ppm	0.5060 ppm	0.4927 ppm	0.4884 ppm
Concentration per Run	0.5013 ppm	0.5014 ppm	0.4761 ppm	10.5808 ppm	0.5089 ppm	0.4929 ppm	0.4898 ppm
Concentration per Run	0.4989 ppm	0.5005 ppm	0.4789 ppm	10.9146 ppm	0.5051 ppm	0.4932 ppm	0.4848 ppm
Recovery Percentage	100.122 %	100.342 %	95.452 %	106.973 %	101.332 %	98.589 %	97.531 %
Concentration RSD	0.3 %	0.3 %	0.3 %	1.8 %	0.4 %	0.1 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4769 ppm	5.4348 ppm	0.5092 ppm	0.5174 ppm	0.5165 ppm	0.5013 ppm	0.5119 ppm
Concentration per Run	0.4737 ppm	5.4220 ppm	0.5132 ppm	0.5181 ppm	0.5146 ppm	0.5012 ppm	0.5108 ppm
Concentration per Run	0.4788 ppm	5.4441 ppm	0.5106 ppm	0.5145 ppm	0.5185 ppm	0.5012 ppm	0.5134 ppm
Concentration per Run	0.4783 ppm	5.4383 ppm	0.5039 ppm	0.5196 ppm	0.5165 ppm	0.5014 ppm	0.5116 ppm
Recovery Percentage	95.387 %	103.520 %	101.845 %	103.476 %	103.309 %	100.254 %	102.387 %
Concentration RSD	0.6 %	0.2 %	0.9 %	0.5 %	0.4 %	0.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4841 ppm	102.0351 %	100.9736 %	99.2092 %	102.4914 %	102.4971 %	100.0152 %
Concentration per Run	0.4842 ppm	101.8410 %	100.6952 %	99.2489 %	102.8895 %	101.4754 %	100.3001 %
Concentration per Run	0.4833 ppm	102.3427 %	100.7342 %	99.2818 %	102.8994 %	103.3686 %	99.7656 %
Concentration per Run	0.4847 ppm	101.9217 %	101.4914 %	99.0967 %	101.6852 %	102.6471 %	99.9800 %
Recovery Percentage	96.811 %						
Concentration RSD	0.1 %	0.3 %	0.4 %	0.1 %	0.7 %	0.9 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:07:38 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0011 ppm	-0.0038 ppm	-0.0006 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0086 ppm
Concentration per Run	-0.0010 ppm	-0.0035 ppm	-0.0012 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0081 ppm
Concentration per Run	-0.0014 ppm	-0.0038 ppm	-0.0005 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0087 ppm
Concentration per Run	-0.0011 ppm	-0.0042 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0090 ppm
Recovery Percentage	-22.908 %	-3.830 %	-11.720 %	2.548 %	0.153 %	0.971 %	8.593 %
Concentration RSD	16.8 %	9.4 %	103.7 %	102.6 %	281.2 %	57.9 %	5.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0005 ppm	0.0002 ppm	0.0011 ppm	0.0038 ppm	0.0307 ppm	0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	0.0002 ppm	0.0009 ppm	0.0038 ppm	0.0349 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0014 ppm	0.0037 ppm	0.0248 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0010 ppm	0.0039 ppm	0.0324 ppm	0.0007 ppm
Recovery Percentage	2.316 %	-4.519 %	2.221 %	10.936 %	7.628 %	1.228 %	1.687 %
Concentration RSD	76.1 %	65.6 %	48.2 %	22.6 %	2.5 %	17.2 %	254.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0017 ppm	0.0001 ppm	0.0045 ppm	0.0210 ppm	-0.0006 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run	-0.0007 ppm	0.0001 ppm	0.0052 ppm	0.0202 ppm	-0.0010 ppm	-0.0019 ppm	0.0013 ppm
Concentration per Run	-0.0021 ppm	0.0000 ppm	0.0043 ppm	0.0211 ppm	-0.0003 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run	-0.0022 ppm	0.0001 ppm	0.0040 ppm	0.0216 ppm	-0.0005 ppm	-0.0010 ppm	-0.0012 ppm
Recovery Percentage	-1.669 %	0.865 %	8.983 %	1.048 %	-2.451 %	-14.411 %	0.185 %
Concentration RSD	50.7 %	87.1 %	15.0 %	3.4 %	57.8 %	30.3 %	1,304.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0098 ppm	0.0076 ppm	0.0007 ppm	0.0000 ppm	0.0005 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run	0.0107 ppm	0.0093 ppm	0.0008 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run	0.0093 ppm	0.0050 ppm	0.0005 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run	0.0094 ppm	0.0085 ppm	0.0007 ppm	0.0000 ppm	0.0005 ppm	0.0006 ppm	-0.0002 ppm
Recovery Percentage	98.006 %	1.520 %	1.310 %	0.137 %	4.519 %	-0.225 %	-2.096 %
Concentration RSD	8.2 %	30.2 %	27.6 %	185.0 %	17.0 %	1,301.9 %	142.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	93.4804 %	100.7480 %	93.5688 %	95.1587 %	103.9422 %	95.4931 %
Concentration per Run	0.0002 ppm	93.5199 %	100.9756 %	93.7774 %	94.8532 %	104.0881 %	95.7066 %
Concentration per Run	0.0001 ppm	93.7123 %	100.8581 %	93.2837 %	95.5110 %	103.7338 %	95.3792 %
Concentration per Run	0.0001 ppm	93.2089 %	100.4102 %	93.6454 %	95.1119 %	104.0048 %	95.3934 %
Recovery Percentage	2.430 %						
Concentration RSD	29.0 %	0.3 %	0.3 %	0.3 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539033-01d2 WG2085734
Analysis started at: 7/1/2025 8:18:55 PM
Rack 2
Vial 46
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0032 ppm	61.7652 ppm	0.0362 ppm	0.0447 ppm	2.1861 ppm	0.0026 ppm	148.6010 ppm
Concentration per Run	0.0030 ppm	61.7716 ppm	0.0365 ppm	0.0446 ppm	2.1804 ppm	0.0026 ppm	149.0363 ppm
Concentration per Run	0.0033 ppm	61.6097 ppm	0.0370 ppm	0.0435 ppm	2.1712 ppm	0.0026 ppm	148.8604 ppm
Concentration per Run	0.0032 ppm	61.9144 ppm	0.0350 ppm	0.0459 ppm	2.2066 ppm	0.0026 ppm	147.9062 ppm
Concentration RSD	4.9 %	0.2 %	2.9 %	2.7 %	0.8 %	0.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0042 ppm	0.0499 ppm	0.2079 ppm	1.6113 ppm	117.8142 ppm	5.1470 ppm	0.0857 ppm
Concentration per Run	0.0043 ppm	0.0498 ppm	0.2086 ppm	1.5883 ppm	118.2142 ppm	5.1567 ppm	0.0865 ppm
Concentration per Run	0.0042 ppm	0.0502 ppm	0.2066 ppm	1.6132 ppm	117.7318 ppm	5.0746 ppm	0.0834 ppm
Concentration per Run	0.0041 ppm	0.0496 ppm	0.2084 ppm	1.6324 ppm	117.4964 ppm	5.2097 ppm	0.0872 ppm
Concentration RSD	2.7 %	0.6 %	0.5 %	1.4 %	0.3 %	1.3 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	45.9885 ppm	3.2261 ppm	0.0071 ppm	4.7162 ppm	0.1013 ppm	10.4066 ppm	0.0219 ppm
Concentration per Run	46.2830 ppm	3.2404 ppm	0.0077 ppm	4.6882 ppm	0.1022 ppm	10.4476 ppm	0.0190 ppm
Concentration per Run	45.7018 ppm	3.2251 ppm	0.0073 ppm	4.6747 ppm	0.0997 ppm	10.4356 ppm	0.0231 ppm
Concentration per Run	45.9808 ppm	3.2128 ppm	0.0065 ppm	4.7857 ppm	0.1020 ppm	10.3366 ppm	0.0236 ppm
Concentration RSD	0.6 %	0.4 %	8.7 %	1.3 %	1.3 %	0.6 %	11.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0076 ppm	12.8957 [SIC 200]	0.1206 ppm	0.5630 ppm	2.0557 ppm	0.0032 ppm	0.2728 ppm
Concentration per Run	0.0057 ppm	12.7853 ppm	0.1202 ppm	0.5637 ppm	2.0602 ppm	0.0035 ppm	0.2740 ppm
Concentration per Run	0.0072 ppm	12.7778 ppm	0.1206 ppm	0.5600 ppm	2.0352 ppm	0.0037 ppm	0.2710 ppm
Concentration per Run	0.0099 ppm	13.1239 ppm	0.1210 ppm	0.5653 ppm	2.0717 ppm	0.0023 ppm	0.2734 ppm
Concentration RSD	27.9 %	1.5 %	0.3 %	0.5 %	0.9 %	24.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.6182 ppm	103.0409 %	103.6519 %	92.7499 %	121.7025 %	124.8366 %	119.3765 %
Concentration per Run	2.6221 ppm	102.8827 %	103.4505 %	92.8806 %	121.5458 %	124.9596 %	119.5048 %
Concentration per Run	2.6125 ppm	103.5061 %	103.3288 %	91.9297 %	122.0465 %	124.8335 %	118.4491 %
Concentration per Run	2.6202 ppm	102.7339 %	104.1764 %	93.4395 %	121.5151 %	124.7167 %	120.1757 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.8 %	0.2 %	0.1 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2539033-02d2 WG2085734
Analysis started at: 7/1/2025 8:22:37 PM
Rack 2
Vial 47
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0027 ppm	60.4080 ppm	0.0477 ppm	0.0469 ppm	6.1284 ppm	0.0029 ppm	159.3968 ppm
Concentration per Run	0.0026 ppm	60.3623 ppm	0.0472 ppm	0.0474 ppm	6.1020 ppm	0.0029 ppm	160.6473 ppm
Concentration per Run	0.0031 ppm	60.5827 ppm	0.0477 ppm	0.0469 ppm	6.1458 ppm	0.0030 ppm	159.6659 ppm
Concentration per Run	0.0025 ppm	60.2791 ppm	0.0483 ppm	0.0466 ppm	6.1375 ppm	0.0029 ppm	157.8772 ppm
Concentration RSD	10.9 %	0.3 %	1.2 %	0.9 %	0.4 %	1.0 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0079 ppm	0.0398 ppm	0.1918 ppm	0.6899 ppm	94.7634 ppm	4.7791 ppm	0.0825 ppm
Concentration per Run	0.0079 ppm	0.0404 ppm	0.1952 ppm	0.6933 ppm	95.3002 ppm	4.8003 ppm	0.0831 ppm
Concentration per Run	0.0079 ppm	0.0395 ppm	0.1897 ppm	0.6910 ppm	94.7043 ppm	4.7784 ppm	0.0834 ppm
Concentration per Run	0.0078 ppm	0.0396 ppm	0.1904 ppm	0.6854 ppm	94.2857 ppm	4.7587 ppm	0.0812 ppm
Concentration RSD	1.2 %	1.2 %	1.5 %	0.6 %	0.5 %	0.4 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	50.7003 ppm	2.3867 ppm	0.0058 ppm	3.2650 ppm	0.1641 ppm	6.6172 ppm	0.0062 ppm
Concentration per Run	51.5373 ppm	2.4007 ppm	0.0059 ppm	3.2516 ppm	0.1664 ppm	6.6121 ppm	0.0097 ppm
Concentration per Run	50.1318 ppm	2.3869 ppm	0.0056 ppm	3.2753 ppm	0.1640 ppm	6.6045 ppm	0.0036 ppm
Concentration per Run	50.4319 ppm	2.3725 ppm	0.0059 ppm	3.2681 ppm	0.1621 ppm	6.6350 ppm	0.0052 ppm
Concentration RSD	1.5 %	0.6 %	2.9 %	0.4 %	1.3 %	0.2 %	51.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	12.1883 [SIC 200]	0.1208 ppm	0.6690 ppm	2.7950 ppm	0.0022 ppm	0.3084 ppm
Concentration per Run	0.0047 ppm	12.0278 ppm	0.1226 ppm	0.6659 ppm	2.8151 ppm	0.0022 ppm	0.3115 ppm
Concentration per Run	0.0075 ppm	12.2444 ppm	0.1203 ppm	0.6703 ppm	2.7856 ppm	0.0015 ppm	0.3070 ppm
Concentration per Run	0.0035 ppm	12.2927 ppm	0.1195 ppm	0.6708 ppm	2.7843 ppm	0.0030 ppm	0.3069 ppm
Concentration RSD	39.6 %	1.2 %	1.3 %	0.4 %	0.6 %	33.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.8607 ppm	96.8317 %	104.0962 %	89.1753 %	115.2250 %	127.5505 %	115.9616 %
Concentration per Run	5.9359 ppm	95.3257 %	103.5780 %	88.9171 %	114.3405 %	126.9795 %	115.5961 %
Concentration per Run	5.8378 ppm	97.5580 %	103.9524 %	88.9336 %	114.3865 %	127.2920 %	115.4330 %
Concentration per Run	5.8084 ppm	97.6112 %	104.7582 %	89.6751 %	116.9480 %	128.3800 %	116.8559 %
Concentration RSD	1.1 %	1.3 %	0.6 %	0.5 %	1.3 %	0.6 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537499-09d4 WG2085176
Analysis started at: 7/1/2025 8:26:03 PM
Rack 2
Vial 51
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0025 ppm	15.5648 ppm	0.0686 ppm	0.0145 ppm	0.0454 ppm	0.0016 ppm	0.9797 ppm
Concentration per Run	0.0026 ppm	15.5556 ppm	0.0681 ppm	0.0125 ppm	0.0456 ppm	0.0016 ppm	0.9833 ppm
Concentration per Run	0.0022 ppm	15.4909 ppm	0.0681 ppm	0.0167 ppm	0.0453 ppm	0.0016 ppm	0.9783 ppm
Concentration per Run	0.0025 ppm	15.6478 ppm	0.0694 ppm	0.0144 ppm	0.0452 ppm	0.0016 ppm	0.9775 ppm
Concentration RSD	7.5 %	0.5 %	1.1 %	14.6 %	0.5 %	0.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0016 ppm	0.0022 ppm	0.1397 ppm	0.0592 ppm	215.3699 ppm	1.5307 ppm	0.0064 ppm
Concentration per Run	-0.0014 ppm	0.0017 ppm	0.1390 ppm	0.0591 ppm	214.5184 ppm	1.5551 ppm	0.0071 ppm
Concentration per Run	-0.0017 ppm	0.0028 ppm	0.1403 ppm	0.0593 ppm	215.7116 ppm	1.5209 ppm	0.0056 ppm
Concentration per Run	-0.0016 ppm	0.0020 ppm	0.1397 ppm	0.0592 ppm	215.8798 ppm	1.5161 ppm	0.0064 ppm
Concentration RSD	11.4 %	25.4 %	0.5 %	0.1 %	0.3 %	1.4 %	11.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0510 ppm	0.0701 ppm	0.0006 ppm	0.1797 ppm	0.0088 ppm	0.0453 ppm	0.0096 ppm
Concentration per Run	2.0538 ppm	0.0700 ppm	0.0010 ppm	0.1813 ppm	0.0084 ppm	0.0450 ppm	0.0122 ppm
Concentration per Run	2.0462 ppm	0.0701 ppm	0.0001 ppm	0.1782 ppm	0.0089 ppm	0.0456 ppm	0.0067 ppm
Concentration per Run	2.0530 ppm	0.0700 ppm	0.0007 ppm	0.1797 ppm	0.0093 ppm	0.0454 ppm	0.0098 ppm
Concentration RSD	0.2 %	0.1 %	73.6 %	0.9 %	5.1 %	0.7 %	29.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0044 ppm	1.7561 ppm	0.0065 ppm	0.0107 ppm	0.2852 ppm	0.0009 ppm	0.1981 ppm
Concentration per Run	0.0053 ppm	1.7535 ppm	0.0057 ppm	0.0108 ppm	0.2849 ppm	0.0010 ppm	0.1983 ppm
Concentration per Run	0.0032 ppm	1.7518 ppm	0.0065 ppm	0.0106 ppm	0.2847 ppm	0.0010 ppm	0.1981 ppm
Concentration per Run	0.0046 ppm	1.7631 ppm	0.0072 ppm	0.0106 ppm	0.2860 ppm	0.0007 ppm	0.1981 ppm
Concentration RSD	25.1 %	0.3 %	11.6 %	1.1 %	0.2 %	20.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0849 ppm	95.3263 %	102.7833 %	92.0449 %	97.1631 %	106.9659 %	97.6851 %
Concentration per Run	0.0843 ppm	95.2788 %	103.4495 %	92.1320 %	96.7487 %	107.1696 %	97.6676 %
Concentration per Run	0.0848 ppm	95.4392 %	102.2052 %	92.2396 %	97.4975 %	106.4541 %	98.0453 %
Concentration per Run	0.0856 ppm	95.2610 %	102.6951 %	91.7630 %	97.2430 %	107.2740 %	97.3424 %
Concentration RSD	0.8 %	0.1 %	0.6 %	0.3 %	0.4 %	0.4 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536691-01d10 WG2083254
Analysis started at: 7/1/2025 8:32:42 PM
Rack 2
Vial 52
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	35.6904 ppm	0.0081 ppm	0.0136 ppm	0.3573 ppm	0.0028 ppm	11.5408 ppm
Concentration per Run	-0.0004 ppm	35.8686 ppm	0.0085 ppm	0.0136 ppm	0.3509 ppm	0.0029 ppm	11.2080 ppm
Concentration per Run	-0.0003 ppm	35.7739 ppm	0.0083 ppm	0.0144 ppm	0.3633 ppm	0.0028 ppm	11.6815 ppm
Concentration per Run	-0.0001 ppm	35.4287 ppm	0.0075 ppm	0.0126 ppm	0.3578 ppm	0.0028 ppm	11.7327 ppm
Concentration RSD	64.6 %	0.6 %	6.7 %	6.6 %	1.7 %	3.1 %	2.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0003 ppm	0.0267 ppm	0.0673 ppm	0.0559 ppm	51.1092 ppm	11.9413 ppm	0.1227 ppm
Concentration per Run	-0.0003 ppm	0.0264 ppm	0.0667 ppm	0.0558 ppm	51.6574 ppm	11.1886 ppm	0.1166 ppm
Concentration per Run	-0.0003 ppm	0.0276 ppm	0.0677 ppm	0.0557 ppm	51.1026 ppm	12.3754 ppm	0.1263 ppm
Concentration per Run	-0.0004 ppm	0.0262 ppm	0.0674 ppm	0.0563 ppm	50.5677 ppm	12.2600 ppm	0.1253 ppm
Concentration RSD	5.2 %	2.7 %	0.7 %	0.6 %	1.1 %	5.5 %	4.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	22.9873 ppm	1.7331 ppm	-0.0001 ppm	3.6785 ppm	0.0559 ppm	0.0358 ppm	0.0021 ppm
Concentration per Run	22.9474 ppm	1.7330 ppm	0.0000 ppm	3.5092 ppm	0.0551 ppm	0.0354 ppm	0.0024 ppm
Concentration per Run	23.0919 ppm	1.7370 ppm	-0.0001 ppm	3.7872 ppm	0.0569 ppm	0.0367 ppm	0.0044 ppm
Concentration per Run	22.9226 ppm	1.7291 ppm	-0.0002 ppm	3.7391 ppm	0.0558 ppm	0.0353 ppm	-0.0007 ppm
Concentration RSD	0.4 %	0.2 %	120.4 %	4.0 %	1.6 %	2.2 %	126.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0020 ppm	1.3059 ppm	0.0046 ppm	0.0877 ppm	1.3714 ppm	0.0011 ppm	0.0779 ppm
Concentration per Run	0.0024 ppm	1.3108 ppm	0.0052 ppm	0.0877 ppm	1.3693 ppm	0.0014 ppm	0.0780 ppm
Concentration per Run	0.0021 ppm	1.3074 ppm	0.0039 ppm	0.0882 ppm	1.3703 ppm	0.0009 ppm	0.0780 ppm
Concentration per Run	0.0016 ppm	1.2994 ppm	0.0046 ppm	0.0872 ppm	1.3748 ppm	0.0009 ppm	0.0776 ppm
Concentration RSD	19.5 %	0.4 %	13.8 %	0.6 %	0.2 %	26.6 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1516 ppm	96.5175 %	102.9421 %	94.4716 %	108.9933 %	123.5737 %	110.1388 %
Concentration per Run	0.1513 ppm	96.2262 %	101.2399 %	94.4804 %	109.1171 %	131.1033 %	109.9526 %
Concentration per Run	0.1535 ppm	96.0836 %	103.6874 %	94.4507 %	107.6236 %	120.0313 %	110.6599 %
Concentration per Run	0.1500 ppm	97.2427 %	103.8990 %	94.4838 %	110.2391 %	119.5864 %	109.8038 %
Concentration RSD	1.2 %	0.7 %	1.4 %	0.0 %	1.2 %	5.3 %	0.4 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2536691-02d10 WG2083254
Analysis started at: 7/1/2025 8:36:15 PM
Rack 2
Vial 53
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	39.1730 ppm	0.0073 ppm	0.0100 ppm	0.2868 ppm	0.0027 ppm	12.0332 ppm
Concentration per Run	-0.0008 ppm	39.3456 ppm	0.0086 ppm	0.0087 ppm	0.2905 ppm	0.0027 ppm	11.9891 ppm
Concentration per Run	-0.0003 ppm	39.0453 ppm	0.0068 ppm	0.0115 ppm	0.2870 ppm	0.0027 ppm	12.0042 ppm
Concentration per Run	-0.0002 ppm	39.1281 ppm	0.0064 ppm	0.0099 ppm	0.2829 ppm	0.0027 ppm	12.1062 ppm
Concentration RSD	79.3 %	0.4 %	16.5 %	14.0 %	1.3 %	0.8 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0277 ppm	0.0602 ppm	0.0848 ppm	41.3018 ppm	12.4062 ppm	0.1236 ppm
Concentration per Run	-0.0002 ppm	0.0278 ppm	0.0606 ppm	0.0850 ppm	41.2876 ppm	12.3810 ppm	0.1241 ppm
Concentration per Run	-0.0002 ppm	0.0275 ppm	0.0602 ppm	0.0850 ppm	41.2006 ppm	12.3236 ppm	0.1230 ppm
Concentration per Run	-0.0002 ppm	0.0278 ppm	0.0597 ppm	0.0846 ppm	41.4173 ppm	12.5139 ppm	0.1238 ppm
Concentration RSD	5.6 %	0.6 %	0.7 %	0.3 %	0.3 %	0.8 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	22.2546 ppm	1.8948 ppm	0.0009 ppm	2.3048 ppm	0.0563 ppm	0.0307 ppm	0.0004 ppm
Concentration per Run	22.5012 ppm	1.9036 ppm	0.0010 ppm	2.2994 ppm	0.0565 ppm	0.0308 ppm	0.0001 ppm
Concentration per Run	21.9402 ppm	1.8815 ppm	0.0008 ppm	2.2887 ppm	0.0563 ppm	0.0308 ppm	-0.0007 ppm
Concentration per Run	22.3225 ppm	1.8992 ppm	0.0008 ppm	2.3263 ppm	0.0560 ppm	0.0307 ppm	0.0018 ppm
Concentration RSD	1.3 %	0.6 %	13.0 %	0.8 %	0.5 %	0.2 %	325.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0038 ppm	1.0237 ppm	0.0029 ppm	0.1014 ppm	1.1942 ppm	0.0014 ppm	0.0723 ppm
Concentration per Run	0.0039 ppm	1.0266 ppm	0.0025 ppm	0.1012 ppm	1.2065 ppm	0.0021 ppm	0.0725 ppm
Concentration per Run	0.0041 ppm	1.0215 ppm	0.0033 ppm	0.1013 ppm	1.1852 ppm	0.0013 ppm	0.0716 ppm
Concentration per Run	0.0036 ppm	1.0229 ppm	0.0028 ppm	0.1015 ppm	1.1908 ppm	0.0010 ppm	0.0728 ppm
Concentration RSD	6.2 %	0.3 %	14.4 %	0.2 %	0.9 %	38.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1531 ppm	96.0528 %	103.3975 %	94.0105 %	106.9998 %	117.5731 %	108.0714 %
Concentration per Run	0.1528 ppm	95.6537 %	103.6630 %	93.6358 %	106.2080 %	118.4053 %	107.6333 %
Concentration per Run	0.1527 ppm	96.1683 %	104.1969 %	93.9639 %	106.6071 %	118.1738 %	107.6364 %
Concentration per Run	0.1538 ppm	96.3363 %	102.3326 %	94.4317 %	108.1842 %	116.1401 %	108.9443 %
Concentration RSD	0.4 %	0.4 %	0.9 %	0.4 %	1.0 %	1.1 %	0.7 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 8:41:06 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5199 ppm	0.4880 ppm	0.4806 ppm	0.5171 ppm	0.5123 ppm	0.5160 ppm	0.4887 ppm
Concentration per Run	0.5160 ppm	0.4884 ppm	0.4796 ppm	0.5077 ppm	0.5066 ppm	0.5149 ppm	0.4865 ppm
Concentration per Run	0.5223 ppm	0.4839 ppm	0.4780 ppm	0.5211 ppm	0.5199 ppm	0.5162 ppm	0.4867 ppm
Concentration per Run	0.5214 ppm	0.4917 ppm	0.4842 ppm	0.5225 ppm	0.5104 ppm	0.5167 ppm	0.4929 ppm
Recovery Percentage	103.980 %	97.602 %	96.125 %	103.416 %	102.460 %	103.191 %	97.741 %
Concentration RSD	0.7 %	0.8 %	0.7 %	1.6 %	1.3 %	0.2 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4878 ppm	0.5136 ppm	0.5238 ppm	0.5271 ppm	0.5250 ppm	5.1805 ppm	0.5374 ppm
Concentration per Run	0.4920 ppm	0.5119 ppm	0.5195 ppm	0.5240 ppm	0.5250 ppm	5.0899 ppm	0.5297 ppm
Concentration per Run	0.4852 ppm	0.5128 ppm	0.5266 ppm	0.5283 ppm	0.5218 ppm	5.2695 ppm	0.5458 ppm
Concentration per Run	0.4862 ppm	0.5160 ppm	0.5252 ppm	0.5289 ppm	0.5280 ppm	5.1823 ppm	0.5367 ppm
Recovery Percentage	97.564 %	102.715 %	104.751 %	105.411 %	104.990 %	103.611 %	107.477 %
Concentration RSD	0.8 %	0.4 %	0.7 %	0.5 %	0.6 %	1.7 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5179 ppm	0.5000 ppm	0.4875 ppm	10.5571 ppm	0.5259 ppm	0.4950 ppm	0.5090 ppm
Concentration per Run	0.5119 ppm	0.4994 ppm	0.4858 ppm	10.4099 ppm	0.5245 ppm	0.4961 ppm	0.5064 ppm
Concentration per Run	0.5232 ppm	0.4982 ppm	0.4858 ppm	10.7444 ppm	0.5277 ppm	0.4924 ppm	0.5128 ppm
Concentration per Run	0.5187 ppm	0.5023 ppm	0.4910 ppm	10.5169 ppm	0.5255 ppm	0.4966 ppm	0.5076 ppm
Recovery Percentage	103.588 %	99.994 %	97.509 %	105.571 %	105.177 %	99.001 %	101.790 %
Concentration RSD	1.1 %	0.4 %	0.6 %	1.6 %	0.3 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5046 ppm	5.6355 ppm	0.5249 ppm	0.5148 ppm	0.5176 ppm	0.4909 ppm	0.5209 ppm
Concentration per Run	0.5009 ppm	5.5989 ppm	0.5224 ppm	0.5132 ppm	0.5091 ppm	0.4899 ppm	0.5187 ppm
Concentration per Run	0.5073 ppm	5.6483 ppm	0.5252 ppm	0.5202 ppm	0.5246 ppm	0.4917 ppm	0.5222 ppm
Concentration per Run	0.5056 ppm	5.6592 ppm	0.5270 ppm	0.5111 ppm	0.5189 ppm	0.4911 ppm	0.5217 ppm
Recovery Percentage	100.919 %	107.342 %	104.976 %	102.967 %	103.510 %	98.178 %	104.173 %
Concentration RSD	0.6 %	0.6 %	0.4 %	0.9 %	1.5 %	0.2 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5136 ppm	94.4684 %	100.3627 %	94.0352 %	94.9028 %	103.7658 %	94.8177 %
Concentration per Run	0.5151 ppm	94.5522 %	100.3958 %	93.7901 %	94.2374 %	105.1568 %	94.6290 %
Concentration per Run	0.5130 ppm	94.5268 %	100.9637 %	94.5900 %	95.1518 %	103.2369 %	95.0854 %
Concentration per Run	0.5126 ppm	94.3260 %	99.7288 %	93.7257 %	95.3192 %	102.9036 %	94.7386 %
Recovery Percentage	102.713 %						
Concentration RSD	0.3 %	0.1 %	0.6 %	0.5 %	0.6 %	1.2 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:44:31 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	-0.0064 ppm	0.0003 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0067 ppm
Concentration per Run	-0.0012 ppm	-0.0061 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0054 ppm
Concentration per Run	-0.0009 ppm	-0.0078 ppm	0.0014 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0082 ppm
Concentration per Run	-0.0009 ppm	-0.0051 ppm	-0.0002 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0064 ppm
Recovery Percentage	-20.374 %	-6.359 %	6.323 %	3.502 %	0.977 %	1.359 %	6.688 %
Concentration RSD	17.4 %	21.7 %	287.5 %	104.2 %	14.0 %	10.4 %	21.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0011 ppm	0.0043 ppm	0.0269 ppm	-0.0008 ppm
Concentration per Run	0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0045 ppm	0.0244 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0044 ppm	0.0217 ppm	-0.0013 ppm
Concentration per Run	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0014 ppm	0.0039 ppm	0.0345 ppm	-0.0007 ppm
Recovery Percentage	2.081 %	-1.535 %	2.417 %	11.310 %	8.517 %	1.074 %	-7.780 %
Concentration RSD	80.8 %	48.2 %	92.5 %	28.6 %	7.3 %	25.1 %	60.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0011 ppm	0.0001 ppm	0.0047 ppm	0.0116 ppm	-0.0004 ppm	-0.0002 ppm	0.0020 ppm
Concentration per Run	-0.0012 ppm	0.0001 ppm	0.0048 ppm	0.0108 ppm	-0.0006 ppm	-0.0001 ppm	0.0035 ppm
Concentration per Run	-0.0003 ppm	0.0002 ppm	0.0047 ppm	0.0138 ppm	-0.0006 ppm	-0.0002 ppm	0.0022 ppm
Concentration per Run	-0.0017 ppm	0.0001 ppm	0.0045 ppm	0.0101 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm
Recovery Percentage	-1.069 %	1.243 %	9.330 %	0.579 %	-1.651 %	-1.549 %	4.075 %
Concentration RSD	66.3 %	37.0 %	3.5 %	17.1 %	77.9 %	45.5 %	74.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0085 ppm	0.0086 ppm	0.0009 ppm	0.0001 ppm	-0.0001 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run	0.0085 ppm	0.0087 ppm	0.0008 ppm	0.0001 ppm	-0.0003 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run	0.0081 ppm	0.0087 ppm	0.0011 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run	0.0088 ppm	0.0083 ppm	0.0009 ppm	0.0001 ppm	-0.0002 ppm	-0.0013 ppm	-0.0002 ppm
Recovery Percentage	84.773 %	1.714 %	1.849 %	0.595 %	-1.079 %	-4.286 %	-1.193 %
Concentration RSD	4.2 %	2.7 %	16.4 %	30.7 %	269.8 %	47.6 %	58.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	92.8203 %	100.3201 %	92.9637 %	94.9645 %	104.0396 %	94.8322 %
Concentration per Run	0.0001 ppm	92.4103 %	100.0167 %	92.2129 %	94.6975 %	104.0449 %	94.3766 %
Concentration per Run	0.0000 ppm	93.1519 %	100.6042 %	93.6049 %	95.5039 %	104.2378 %	95.3234 %
Concentration per Run	0.0002 ppm	92.8988 %	100.3393 %	93.0733 %	94.6921 %	103.8362 %	94.7967 %
Recovery Percentage	2.270 %						
Concentration RSD	90.9 %	0.4 %	0.3 %	0.8 %	0.5 %	0.2 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085270-1 WG2085270
Analysis started at: 7/1/2025 9:02:07 PM
Rack 2
Vial 54
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	0.0010 ppm	-0.0018 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0178 ppm
Concentration per Run	-0.0009 ppm	0.0039 ppm	-0.0004 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0202 ppm
Concentration per Run	-0.0012 ppm	-0.0012 ppm	-0.0017 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0170 ppm
Concentration per Run	-0.0010 ppm	0.0004 ppm	-0.0033 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0161 ppm
Recovery Percentage	-20.917 %	1.014 %	-35.642 %	2.858 %	1.154 %	0.737 %	17.775 %
Concentration RSD	17.4 %	257.1 %	80.0 %	75.8 %	26.4 %	52.0 %	12.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0007 ppm	0.0013 ppm	0.0006 ppm	0.0239 ppm	0.0539 ppm	-0.0003 ppm
Concentration per Run	0.0001 ppm	-0.0005 ppm	0.0009 ppm	0.0006 ppm	0.0239 ppm	0.0597 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0010 ppm	0.0015 ppm	0.0005 ppm	0.0251 ppm	0.0488 ppm	-0.0004 ppm
Concentration per Run	0.0000 ppm	-0.0006 ppm	0.0014 ppm	0.0006 ppm	0.0227 ppm	0.0531 ppm	-0.0004 ppm
Recovery Percentage	0.774 %	-6.713 %	12.574 %	5.988 %	47.809 %	2.155 %	-2.741 %
Concentration RSD	96.3 %	39.9 %	26.1 %	12.7 %	5.0 %	10.2 %	75.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0010 ppm	0.0003 ppm	0.0006 ppm	0.0218 ppm	-0.0012 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run	0.0007 ppm	0.0004 ppm	0.0006 ppm	0.0218 ppm	-0.0014 ppm	-0.0002 ppm	0.0019 ppm
Concentration per Run	0.0010 ppm	0.0003 ppm	0.0006 ppm	0.0219 ppm	-0.0013 ppm	-0.0016 ppm	-0.0021 ppm
Concentration per Run	0.0012 ppm	0.0003 ppm	0.0005 ppm	0.0216 ppm	-0.0007 ppm	-0.0023 ppm	0.0006 ppm
Recovery Percentage	0.975 %	3.328 %	1.140 %	1.088 %	-4.602 %	-13.873 %	0.289 %
Concentration RSD	24.7 %	6.1 %	13.7 %	0.8 %	33.9 %	75.1 %	1,417.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	0.0185 ppm	0.0093 ppm	0.0000 ppm	0.0001 ppm	-0.0009 ppm	-0.0002 ppm
Concentration per Run	0.0041 ppm	0.0181 ppm	0.0094 ppm	0.0000 ppm	-0.0001 ppm	-0.0017 ppm	-0.0002 ppm
Concentration per Run	0.0050 ppm	0.0192 ppm	0.0089 ppm	0.0000 ppm	0.0004 ppm	-0.0010 ppm	-0.0003 ppm
Concentration per Run	0.0045 ppm	0.0182 ppm	0.0095 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage	45.228 %	3.699 %	18.565 %	0.041 %	0.933 %	-4.711 %	-1.531 %
Concentration RSD	10.6 %	3.5 %	3.5 %	554.9 %	328.7 %	87.6 %	136.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	102.3435 %	100.7627 %	98.9930 %	104.2752 %	103.5650 %	100.9575 %
Concentration per Run	0.0009 ppm	102.3537 %	100.8453 %	99.4276 %	104.8618 %	103.0896 %	101.5645 %
Concentration per Run	0.0013 ppm	101.9440 %	100.6597 %	97.8915 %	104.5554 %	105.3810 %	99.6273 %
Concentration per Run	0.0010 ppm	102.7327 %	100.7832 %	99.6598 %	103.4084 %	102.2244 %	101.6808 %
Recovery Percentage	20.770 %						
Concentration RSD	18.9 %	0.4 %	0.1 %	1.0 %	0.7 %	1.6 %	1.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085270-2d2 WG2085270
Analysis started at: 7/1/2025 9:05:49 PM
Rack 2
Vial 55
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0568 ppm	2.2802 ppm	0.1212 ppm	1.0672 ppm	2.2631 ppm	0.0561 ppm	10.0540 ppm
Concentration per Run	0.0568 ppm	2.2560 ppm	0.1237 ppm	1.0680 ppm	2.2402 ppm	0.0555 ppm	9.9463 ppm
Concentration per Run	0.0571 ppm	2.2823 ppm	0.1205 ppm	1.0652 ppm	2.2755 ppm	0.0565 ppm	10.0755 ppm
Concentration per Run	0.0564 ppm	2.3024 ppm	0.1193 ppm	1.0684 ppm	2.2737 ppm	0.0563 ppm	10.1401 ppm
Concentration RSD	0.6 %	1.0 %	1.9 %	0.2 %	0.9 %	0.9 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0501 ppm	0.5500 ppm	0.2273 ppm	0.2882 ppm	1.1570 ppm	10.6612 ppm	-0.0002 ppm
Concentration per Run	0.0501 ppm	0.5510 ppm	0.2281 ppm	0.2872 ppm	1.1474 ppm	10.4990 ppm	-0.0002 ppm
Concentration per Run	0.0504 ppm	0.5507 ppm	0.2279 ppm	0.2885 ppm	1.1647 ppm	10.6235 ppm	-0.0002 ppm
Concentration per Run	0.0499 ppm	0.5484 ppm	0.2259 ppm	0.2889 ppm	1.1590 ppm	10.8611 ppm	-0.0002 ppm
Concentration RSD	0.5 %	0.3 %	0.5 %	0.3 %	0.8 %	1.7 %	10.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.6176 ppm	0.5389 ppm	1.0021 ppm	11.4015 ppm	0.5685 ppm	0.5269 ppm	0.5103 ppm
Concentration per Run	10.6584 ppm	0.5343 ppm	0.9961 ppm	11.2265 ppm	0.5706 ppm	0.5274 ppm	0.5077 ppm
Concentration per Run	10.6541 ppm	0.5410 ppm	1.0062 ppm	11.3593 ppm	0.5698 ppm	0.5249 ppm	0.5129 ppm
Concentration per Run	10.5402 ppm	0.5413 ppm	1.0040 ppm	11.6188 ppm	0.5650 ppm	0.5284 ppm	0.5103 ppm
Concentration RSD	0.6 %	0.7 %	0.5 %	1.8 %	0.5 %	0.3 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1315 ppm	1.0788 ppm	1.0534 [SIC 50]	1.0375 ppm	1.0674 ppm	0.1205 ppm	0.5776 ppm
Concentration per Run	0.1317 ppm	1.0805 ppm	1.0521 ppm	1.0245 ppm	1.0647 ppm	0.1205 ppm	0.5792 ppm
Concentration per Run	0.1323 ppm	1.0807 ppm	1.0566 ppm	1.0444 ppm	1.0711 ppm	0.1208 ppm	0.5775 ppm
Concentration per Run	0.1304 ppm	1.0750 ppm	1.0514 ppm	1.0437 ppm	1.0665 ppm	0.1203 ppm	0.5762 ppm
Concentration RSD	0.7 %	0.3 %	0.3 %	1.1 %	0.3 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5601 ppm	93.7297 %	101.1521 %	91.6319 %	94.0117 %	104.2245 %	94.0070 %
Concentration per Run	0.5603 ppm	93.3492 %	102.0924 %	91.7802 %	93.9801 %	105.3528 %	94.2903 %
Concentration per Run	0.5614 ppm	93.2664 %	101.0293 %	91.5955 %	93.2695 %	104.7099 %	93.9410 %
Concentration per Run	0.5586 ppm	94.5736 %	100.3346 %	91.5199 %	94.7855 %	102.6107 %	93.7896 %
Concentration RSD	0.3 %	0.8 %	0.9 %	0.1 %	0.8 %	1.4 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537081-01d2 WG2085270
Analysis started at: 7/1/2025 9:09:16 PM
Rack 3
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0046 ppm	44.6349 ppm	0.0452 ppm	0.0355 ppm	0.5391 ppm	0.0025 ppm	54.0314 ppm
Concentration per Run	0.0047 ppm	44.9675 ppm	0.0440 ppm	0.0353 ppm	0.5429 ppm	0.0025 ppm	53.4612 ppm
Concentration per Run	0.0044 ppm	44.3655 ppm	0.0439 ppm	0.0364 ppm	0.5369 ppm	0.0025 ppm	54.3161 ppm
Concentration per Run	0.0047 ppm	44.5718 ppm	0.0476 ppm	0.0348 ppm	0.5375 ppm	0.0025 ppm	54.3167 ppm
Concentration RSD	4.4 %	0.7 %	4.7 %	2.3 %	0.6 %	0.9 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.9044 ppm	12.1994 ppm	2.6540 ppm	244.2204 ppm	3.1935 ppm	0.0903 ppm
Concentration per Run	0.0025 ppm	0.9056 ppm	12.2860 ppm	2.6499 ppm	242.3914 ppm	3.2680 ppm	0.0933 ppm
Concentration per Run	0.0026 ppm	0.9052 ppm	12.1575 ppm	2.6682 ppm	245.6615 ppm	3.1478 ppm	0.0884 ppm
Concentration per Run	0.0028 ppm	0.9025 ppm	12.1548 ppm	2.6438 ppm	244.6081 ppm	3.1648 ppm	0.0893 ppm
Concentration RSD	5.4 %	0.2 %	0.6 %	0.5 %	0.7 %	2.0 %	2.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	23.2521 ppm	5.7583 ppm	1.8170 ppm	0.5337 ppm	11.9462 [SIC 50]	0.5548 ppm	0.0147 ppm
Concentration per Run	23.3223 ppm	5.7296 ppm	1.8130 ppm	0.5463 ppm	11.9889 ppm	0.5562 ppm	0.0118 ppm
Concentration per Run	23.2946 ppm	5.7705 ppm	1.8196 ppm	0.5250 ppm	11.9112 ppm	0.5559 ppm	0.0173 ppm
Concentration per Run	23.1395 ppm	5.7748 ppm	1.8182 ppm	0.5297 ppm	11.9387 ppm	0.5523 ppm	0.0150 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	2.1 %	0.3 %	0.4 %	18.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0153 ppm	8.8948 ppm	0.0352 ppm	0.1989 ppm	0.7230 ppm	0.0002 ppm	0.7289 ppm
Concentration per Run	0.0148 ppm	8.9063 ppm	0.0351 ppm	0.2002 ppm	0.7233 ppm	0.0003 ppm	0.7304 ppm
Concentration per Run	0.0144 ppm	8.9111 ppm	0.0344 ppm	0.1981 ppm	0.7160 ppm	0.0010 ppm	0.7291 ppm
Concentration per Run	0.0166 ppm	8.8671 ppm	0.0360 ppm	0.1983 ppm	0.7299 ppm	-0.0006 ppm	0.7272 ppm
Concentration RSD	7.7 %	0.3 %	2.3 %	0.6 %	1.0 %	338.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1678 ppm	95.3971 %	101.5940 %	88.7867 %	112.8742 %	123.1691 %	111.8715 %
Concentration per Run	1.1697 ppm	95.0916 %	102.0032 %	88.9338 %	113.2664 %	123.5362 %	112.4535 %
Concentration per Run	1.1678 ppm	95.5584 %	101.1955 %	88.6175 %	112.2249 %	122.5435 %	111.7828 %
Concentration per Run	1.1658 ppm	95.5415 %	101.5833 %	88.8089 %	113.1314 %	123.4276 %	111.3780 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.2 %	0.5 %	0.4 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: L2537081-04d2 WG2085270
Analysis started at: 7/1/2025 9:12:42 PM
Rack 2
Vial 56
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0062 ppm	54.7116 ppm	0.0702 ppm	0.0603 ppm	1.7936 ppm	0.0026 ppm	178.0630 ppm
Concentration per Run	0.0063 ppm	54.5391 ppm	0.0670 ppm	0.0630 ppm	1.7881 ppm	0.0026 ppm	178.4309 ppm
Concentration per Run	0.0058 ppm	54.9703 ppm	0.0729 ppm	0.0598 ppm	1.8035 ppm	0.0026 ppm	177.4480 ppm
Concentration per Run	0.0066 ppm	54.6253 ppm	0.0709 ppm	0.0582 ppm	1.7893 ppm	0.0025 ppm	178.3102 ppm
Concentration RSD	6.5 %	0.4 %	4.3 %	4.1 %	0.5 %	1.7 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0130 ppm	0.9778 ppm	29.8852 ppm	3.9462 ppm	357.6012 ppm	3.2225 ppm	0.0779 ppm
Concentration per Run	0.0128 ppm	0.9783 ppm	30.1518 ppm	3.9513 ppm	357.8710 ppm	3.2183 ppm	0.0783 ppm
Concentration per Run	0.0132 ppm	0.9796 ppm	29.8343 ppm	3.9330 ppm	357.4003 ppm	3.2127 ppm	0.0780 ppm
Concentration per Run	0.0129 ppm	0.9753 ppm	29.6697 ppm	3.9544 ppm	357.5323 ppm	3.2366 ppm	0.0775 ppm
Concentration RSD	1.6 %	0.2 %	0.8 %	0.3 %	0.1 %	0.4 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	35.4225 ppm	7.4639 ppm	2.6567 ppm	1.0021 ppm	27.9962 [SIC 50]	1.2987 ppm	0.0300 ppm
Concentration per Run	35.9182 ppm	7.4800 ppm	2.6440 ppm	0.9921 ppm	28.1725 ppm	1.3015 ppm	0.0323 ppm
Concentration per Run	35.2935 ppm	7.4555 ppm	2.6604 ppm	1.0042 ppm	27.9620 ppm	1.2967 ppm	0.0267 ppm
Concentration per Run	35.0558 ppm	7.4560 ppm	2.6658 ppm	1.0101 ppm	27.8541 ppm	1.2980 ppm	0.0309 ppm
Concentration RSD	1.3 %	0.2 %	0.4 %	0.9 %	0.6 %	0.2 %	9.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0259 ppm	9.3788 ppm	0.0898 ppm	0.5020 ppm	1.6458 ppm	-0.0017 ppm	0.5791 ppm
Concentration per Run	0.0247 ppm	9.3982 ppm	0.0887 ppm	0.4999 ppm	1.6637 ppm	-0.0034 ppm	0.5826 ppm
Concentration per Run	0.0275 ppm	9.3835 ppm	0.0900 ppm	0.5052 ppm	1.6380 ppm	-0.0001 ppm	0.5783 ppm
Concentration per Run	0.0255 ppm	9.3548 ppm	0.0906 ppm	0.5009 ppm	1.6358 ppm	-0.0015 ppm	0.5765 ppm
Concentration RSD	5.6 %	0.2 %	1.1 %	0.6 %	0.9 %	98.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.7149 ppm	93.0465 %	99.1052 %	82.4843 %	112.4225 %	123.2317 %	110.4793 %
Concentration per Run	4.7288 ppm	92.0329 %	98.7623 %	82.4007 %	112.2149 %	123.2416 %	110.2449 %
Concentration per Run	4.7457 ppm	93.1216 %	98.9402 %	82.3026 %	113.1202 %	123.3246 %	110.2725 %
Concentration per Run	4.6701 ppm	93.9850 %	99.6131 %	82.7495 %	111.9324 %	123.1288 %	110.9204 %
Concentration RSD	0.8 %	1.1 %	0.5 %	0.3 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085270-3d2 WG2085270
Analysis started at: 7/1/2025 9:16:09 PM
Rack 2
Vial 57
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0476 ppm	37.9458 ppm	0.1251 ppm	0.7672 ppm	2.5918 ppm	0.0387 ppm	96.4212 ppm
Concentration per Run	0.0480 ppm	38.0146 ppm	0.1246 ppm	0.7657 ppm	2.5924 ppm	0.0388 ppm	96.4503 ppm
Concentration per Run	0.0473 ppm	37.9856 ppm	0.1261 ppm	0.7690 ppm	2.5951 ppm	0.0387 ppm	96.4464 ppm
Concentration per Run	0.0476 ppm	37.8374 ppm	0.1247 ppm	0.7668 ppm	2.5880 ppm	0.0387 ppm	96.3668 ppm
Concentration RSD	0.7 %	0.3 %	0.6 %	0.2 %	0.1 %	0.2 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0449 ppm	1.0552 ppm	18.4714 ppm	2.2493 ppm	223.7358 ppm	8.6374 ppm	0.0556 ppm
Concentration per Run	0.0448 ppm	1.0544 ppm	18.5598 ppm	2.2558 ppm	224.5006 ppm	8.7067 ppm	0.0568 ppm
Concentration per Run	0.0452 ppm	1.0592 ppm	18.4847 ppm	2.2374 ppm	223.2642 ppm	8.5881 ppm	0.0567 ppm
Concentration per Run	0.0447 ppm	1.0521 ppm	18.3697 ppm	2.2547 ppm	223.4426 ppm	8.6176 ppm	0.0534 ppm
Concentration RSD	0.5 %	0.3 %	0.5 %	0.5 %	0.3 %	0.7 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	35.0500 ppm	5.2959 ppm	2.7163 ppm	7.8613 ppm	21.5640 [SIC 50]	1.7660 ppm	0.1939 ppm
Concentration per Run	35.1576 ppm	5.3006 ppm	2.7065 ppm	7.8355 ppm	21.6358 ppm	1.7679 ppm	0.1935 ppm
Concentration per Run	35.1568 ppm	5.2973 ppm	2.7236 ppm	7.8147 ppm	21.5880 ppm	1.7579 ppm	0.1941 ppm
Concentration per Run	34.8357 ppm	5.2898 ppm	2.7189 ppm	7.9338 ppm	21.4683 ppm	1.7723 ppm	0.1942 ppm
Concentration RSD	0.5 %	0.1 %	0.3 %	0.8 %	0.4 %	0.4 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0891 ppm	10.7922 [SIC 200]	0.6823 ppm	0.9405 ppm	1.8024 ppm	0.0864 ppm	0.7252 ppm
Concentration per Run	0.0890 ppm	10.8121 ppm	0.6837 ppm	0.9440 ppm	1.8098 ppm	0.0845 ppm	0.7269 ppm
Concentration per Run	0.0896 ppm	10.7865 ppm	0.6827 ppm	0.9404 ppm	1.8078 ppm	0.0875 ppm	0.7241 ppm
Concentration per Run	0.0887 ppm	10.7779 ppm	0.6805 ppm	0.9370 ppm	1.7894 ppm	0.0871 ppm	0.7246 ppm
Concentration RSD	0.5 %	0.2 %	0.2 %	0.4 %	0.6 %	1.9 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	3.4970 ppm	93.1026 %	100.3003 %	84.6481 %	104.6862 %	115.7994 %	102.9738 %
Concentration per Run	3.4938 ppm	93.1874 %	100.2625 %	84.9263 %	104.5159 %	116.0611 %	103.1572 %
Concentration per Run	3.5110 ppm	92.6764 %	100.1010 %	84.9192 %	104.1818 %	115.8520 %	103.0971 %
Concentration per Run	3.4861 ppm	93.4441 %	100.5375 %	84.0988 %	105.3609 %	115.4850 %	102.6672 %
Concentration RSD	0.4 %	0.4 %	0.2 %	0.6 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085270-4d2 WG2085270
Analysis started at: 7/1/2025 9:19:35 PM
Rack 2
Vial 58
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0425 ppm	40.9837 ppm	0.1067 ppm	0.6952 ppm	3.0566 ppm	0.0363 ppm	84.7705 ppm
Concentration per Run	0.0427 ppm	40.9663 ppm	0.1076 ppm	0.6932 ppm	3.0590 ppm	0.0364 ppm	84.3527 ppm
Concentration per Run	0.0427 ppm	40.9611 ppm	0.1049 ppm	0.7002 ppm	3.0573 ppm	0.0365 ppm	85.3075 ppm
Concentration per Run	0.0421 ppm	41.0237 ppm	0.1077 ppm	0.6922 ppm	3.0535 ppm	0.0362 ppm	84.6512 ppm
Concentration RSD	0.8 %	0.1 %	1.5 %	0.6 %	0.1 %	0.4 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0421 ppm	1.0917 ppm	10.8231 ppm	2.2297 ppm	217.5820 ppm	7.8235 ppm	0.0572 ppm
Concentration per Run	0.0426 ppm	1.1006 ppm	10.8664 ppm	2.2256 ppm	217.2770 ppm	7.8805 ppm	0.0582 ppm
Concentration per Run	0.0416 ppm	1.0912 ppm	10.8240 ppm	2.2383 ppm	218.3928 ppm	7.7826 ppm	0.0570 ppm
Concentration per Run	0.0420 ppm	1.0833 ppm	10.7788 ppm	2.2253 ppm	217.0762 ppm	7.8072 ppm	0.0564 ppm
Concentration RSD	1.2 %	0.8 %	0.4 %	0.3 %	0.3 %	0.7 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	31.8862 ppm	5.6055 ppm	1.7798 ppm	7.1432 ppm	16.9094 [SIC 50]	1.8447 ppm	0.1543 ppm
Concentration per Run	32.0619 ppm	5.5871 ppm	1.7882 ppm	7.1388 ppm	17.0123 ppm	1.8391 ppm	0.1516 ppm
Concentration per Run	31.9648 ppm	5.6304 ppm	1.7747 ppm	7.0518 ppm	16.8993 ppm	1.8407 ppm	0.1520 ppm
Concentration per Run	31.6319 ppm	5.5992 ppm	1.7765 ppm	7.2390 ppm	16.8165 ppm	1.8542 ppm	0.1594 ppm
Concentration RSD	0.7 %	0.4 %	0.4 %	1.3 %	0.6 %	0.5 %	2.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0706 ppm	10.2524 [SIC 200]	0.5855 ppm	0.8828 ppm	1.8451 ppm	0.0760 ppm	0.6737 ppm
Concentration per Run	0.0690 ppm	10.3017 ppm	0.5894 ppm	0.8855 ppm	1.8446 ppm	0.0758 ppm	0.6785 ppm
Concentration per Run	0.0710 ppm	10.2737 ppm	0.5825 ppm	0.8835 ppm	1.8528 ppm	0.0751 ppm	0.6744 ppm
Concentration per Run	0.0716 ppm	10.1817 ppm	0.5847 ppm	0.8793 ppm	1.8379 ppm	0.0770 ppm	0.6680 ppm
Concentration RSD	1.9 %	0.6 %	0.6 %	0.4 %	0.4 %	1.3 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.0324 ppm	93.8578 %	99.8502 %	85.6445 %	107.8921 %	116.8126 %	105.9330 %
Concentration per Run	4.0648 ppm	92.7908 %	100.3069 %	86.1684 %	105.8108 %	117.0847 %	106.3541 %
Concentration per Run	4.0035 ppm	94.0863 %	99.1311 %	85.2912 %	108.9326 %	116.1599 %	105.3670 %
Concentration per Run	4.0287 ppm	94.6964 %	100.1125 %	85.4738 %	108.9330 %	117.1931 %	106.0780 %
Concentration RSD	0.8 %	1.0 %	0.6 %	0.5 %	1.7 %	0.5 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085270-5d2 WG2085270
Analysis started at: 7/1/2025 9:23:01 PM
Rack 2
Vial 59
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0614 ppm	55.2473 ppm	0.1966 ppm	1.0406 ppm	3.8867 ppm	0.0551 ppm	182.6668 ppm
Concentration per Run	0.0616 ppm	55.1928 ppm	0.1980 ppm	1.0413 ppm	3.8800 ppm	0.0551 ppm	182.0481 ppm
Concentration per Run	0.0613 ppm	55.4344 ppm	0.2005 ppm	1.0438 ppm	3.8943 ppm	0.0552 ppm	183.8431 ppm
Concentration per Run	0.0612 ppm	55.1147 ppm	0.1913 ppm	1.0365 ppm	3.8857 ppm	0.0550 ppm	182.1091 ppm
Concentration RSD	0.3 %	0.3 %	2.4 %	0.4 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0570 ppm	1.4477 ppm	29.0406 ppm	4.1010 ppm	348.8028 ppm	12.0510 ppm	0.0752 ppm
Concentration per Run	0.0577 ppm	1.4518 ppm	28.9735 ppm	4.0905 ppm	347.3332 ppm	12.0756 ppm	0.0765 ppm
Concentration per Run	0.0571 ppm	1.4477 ppm	29.1267 ppm	4.1106 ppm	351.1172 ppm	12.0195 ppm	0.0741 ppm
Concentration per Run	0.0562 ppm	1.4436 ppm	29.0216 ppm	4.1019 ppm	347.9581 ppm	12.0579 ppm	0.0749 ppm
Concentration RSD	1.3 %	0.3 %	0.3 %	0.2 %	0.6 %	0.2 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	43.5492 ppm	7.7287 ppm	3.5293 ppm	10.4143 ppm	27.4508 [SIC 50]	1.8042 ppm	0.5010 ppm
Concentration per Run	43.2719 ppm	7.6979 ppm	3.5456 ppm	10.5115 ppm	27.4806 ppm	1.8070 ppm	0.5016 ppm
Concentration per Run	43.7764 ppm	7.7797 ppm	3.5364 ppm	10.4271 ppm	27.5116 ppm	1.8139 ppm	0.5019 ppm
Concentration per Run	43.5995 ppm	7.7085 ppm	3.5059 ppm	10.3043 ppm	27.3603 ppm	1.7918 ppm	0.4995 ppm
Concentration RSD	0.6 %	0.6 %	0.6 %	1.0 %	0.3 %	0.6 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1534 ppm	9.9893 ppm	1.0231 [SIC 50]	1.4629 ppm	2.5785 ppm	0.1196 ppm	1.1003 ppm
Concentration per Run	0.1532 ppm	10.0179 ppm	1.0275 ppm	1.4593 ppm	2.5609 ppm	0.1194 ppm	1.1031 ppm
Concentration per Run	0.1530 ppm	10.0069 ppm	1.0244 ppm	1.4692 ppm	2.5971 ppm	0.1209 ppm	1.0983 ppm
Concentration per Run	0.1539 ppm	9.9432 ppm	1.0174 ppm	1.4601 ppm	2.5774 ppm	0.1184 ppm	1.0997 ppm
Concentration RSD	0.3 %	0.4 %	0.5 %	0.4 %	0.7 %	1.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	5.0196 ppm	92.7384 %	98.3482 %	80.7844 %	111.5707 %	120.1680 %	108.4099 %
Concentration per Run	5.0556 ppm	92.7479 %	98.2058 %	80.7752 %	112.0297 %	119.8175 %	108.3765 %
Concentration per Run	5.0171 ppm	92.8617 %	97.8960 %	80.5089 %	111.2724 %	120.1126 %	108.2901 %
Concentration per Run	4.9862 ppm	92.6055 %	98.9428 %	81.0690 %	111.4099 %	120.5740 %	108.5630 %
Concentration RSD	0.7 %	0.1 %	0.5 %	0.3 %	0.4 %	0.3 %	0.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2085270-6d10 WG2085270
Analysis started at: 7/1/2025 9:26:27 PM
Rack 2
Vial 60
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	10.9559 ppm	0.0133 ppm	0.0149 ppm	0.3655 ppm	0.0005 ppm	37.2080 ppm
Concentration per Run	0.0009 ppm	10.8465 ppm	0.0132 ppm	0.0159 ppm	0.3574 ppm	0.0005 ppm	36.6485 ppm
Concentration per Run	0.0007 ppm	10.9734 ppm	0.0131 ppm	0.0130 ppm	0.3692 ppm	0.0005 ppm	36.9231 ppm
Concentration per Run	0.0004 ppm	11.0478 ppm	0.0135 ppm	0.0160 ppm	0.3701 ppm	0.0005 ppm	38.0523 ppm
Concentration RSD	39.8 %	0.9 %	1.7 %	11.5 %	1.9 %	2.1 %	2.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0027 ppm	0.2048 ppm	6.3676 ppm	0.7862 ppm	81.1618 ppm	0.7695 ppm	0.0164 ppm
Concentration per Run	0.0027 ppm	0.2043 ppm	6.3575 ppm	0.7818 ppm	80.2013 ppm	0.7741 ppm	0.0169 ppm
Concentration per Run	0.0028 ppm	0.2048 ppm	6.3932 ppm	0.7879 ppm	80.9261 ppm	0.7822 ppm	0.0164 ppm
Concentration per Run	0.0027 ppm	0.2053 ppm	6.3521 ppm	0.7889 ppm	82.3581 ppm	0.7521 ppm	0.0160 ppm
Concentration RSD	1.9 %	0.2 %	0.4 %	0.5 %	1.4 %	2.0 %	2.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.5513 ppm	1.5696 ppm	0.5341 ppm	0.2355 ppm	6.0503 ppm	0.2500 ppm	0.0072 ppm
Concentration per Run	7.5201 ppm	1.5485 ppm	0.5268 ppm	0.2308 ppm	6.0208 ppm	0.2496 ppm	0.0103 ppm
Concentration per Run	7.5085 ppm	1.5588 ppm	0.5357 ppm	0.2428 ppm	6.0618 ppm	0.2496 ppm	0.0040 ppm
Concentration per Run	7.6253 ppm	1.6015 ppm	0.5397 ppm	0.2329 ppm	6.0684 ppm	0.2508 ppm	0.0073 ppm
Concentration RSD	0.9 %	1.8 %	1.2 %	2.7 %	0.4 %	0.3 %	43.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0093 ppm	1.8840 ppm	0.0194 ppm	0.1012 ppm	0.3352 ppm	-0.0007 ppm	0.1162 ppm
Concentration per Run	0.0081 ppm	1.8778 ppm	0.0190 ppm	0.1004 ppm	0.3346 ppm	0.0000 ppm	0.1157 ppm
Concentration per Run	0.0071 ppm	1.8912 ppm	0.0195 ppm	0.1015 ppm	0.3362 ppm	-0.0012 ppm	0.1166 ppm
Concentration per Run	0.0128 ppm	1.8831 ppm	0.0196 ppm	0.1016 ppm	0.3348 ppm	-0.0011 ppm	0.1163 ppm
Concentration RSD	33.0 %	0.4 %	1.5 %	0.7 %	0.3 %	84.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0139 ppm	94.6433 %	100.6673 %	92.3188 %	99.3115 %	105.7068 %	98.3644 %
Concentration per Run	1.0120 ppm	94.3600 %	102.1202 %	92.4207 %	98.9272 %	107.4448 %	98.5880 %
Concentration per Run	1.0128 ppm	94.8939 %	101.0623 %	92.0471 %	99.6360 %	105.9920 %	97.8124 %
Concentration per Run	1.0168 ppm	94.6762 %	98.8194 %	92.4887 %	99.3712 %	103.6836 %	98.6927 %
Concentration RSD	0.3 %	0.3 %	1.7 %	0.3 %	0.4 %	1.8 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: WG2082734-2 WG2082734
Analysis started at: 7/1/2025 9:29:54 PM
Rack 3
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0563 ppm	2.3499 ppm	0.1196 ppm	1.0438 ppm	2.3362 ppm	0.0565 ppm	9.9569 ppm
Concentration per Run	0.0561 ppm	2.3545 ppm	0.1206 ppm	1.0325 ppm	2.3306 ppm	0.0567 ppm	10.0415 ppm
Concentration per Run	0.0557 ppm	2.3445 ppm	0.1201 ppm	1.0453 ppm	2.3405 ppm	0.0564 ppm	9.9593 ppm
Concentration per Run	0.0571 ppm	2.3509 ppm	0.1181 ppm	1.0537 ppm	2.3374 ppm	0.0564 ppm	9.8699 ppm
Concentration RSD	1.3 %	0.2 %	1.1 %	1.0 %	0.2 %	0.3 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0513 ppm	0.5589 ppm	0.2291 ppm	0.2914 ppm	1.1785 ppm	10.9262 ppm	-0.0004 ppm
Concentration per Run	0.0513 ppm	0.5568 ppm	0.2271 ppm	0.2906 ppm	1.1828 ppm	10.9510 ppm	-0.0006 ppm
Concentration per Run	0.0515 ppm	0.5593 ppm	0.2300 ppm	0.2920 ppm	1.1768 ppm	11.0305 ppm	-0.0002 ppm
Concentration per Run	0.0510 ppm	0.5605 ppm	0.2304 ppm	0.2915 ppm	1.1760 ppm	10.7971 ppm	-0.0003 ppm
Concentration RSD	0.5 %	0.3 %	0.8 %	0.2 %	0.3 %	1.1 %	62.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.3394 ppm	0.5510 ppm	0.9615 ppm	11.3434 ppm	0.5734 ppm	0.5320 ppm	0.4278 ppm
Concentration per Run	10.2158 ppm	0.5540 ppm	0.9531 ppm	11.3070 ppm	0.5714 ppm	0.5329 ppm	0.4236 ppm
Concentration per Run	10.3942 ppm	0.5502 ppm	0.9631 ppm	11.4414 ppm	0.5748 ppm	0.5327 ppm	0.4311 ppm
Concentration per Run	10.4081 ppm	0.5487 ppm	0.9682 ppm	11.2816 ppm	0.5741 ppm	0.5304 ppm	0.4288 ppm
Concentration RSD	1.0 %	0.5 %	0.8 %	0.8 %	0.3 %	0.3 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1239 ppm	1.2478 ppm	0.9924 ppm	1.0453 ppm	1.0316 ppm	0.1211 ppm	0.5841 ppm
Concentration per Run	0.1223 ppm	1.2432 ppm	0.9903 ppm	1.0406 ppm	1.0232 ppm	0.1210 ppm	0.5821 ppm
Concentration per Run	0.1240 ppm	1.2514 ppm	0.9948 ppm	1.0482 ppm	1.0356 ppm	0.1224 ppm	0.5846 ppm
Concentration per Run	0.1254 ppm	1.2489 ppm	0.9921 ppm	1.0471 ppm	1.0360 ppm	0.1198 ppm	0.5855 ppm
Concentration RSD	1.2 %	0.3 %	0.2 %	0.4 %	0.7 %	1.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5673 ppm	95.4308 %	101.4127 %	93.2752 %	95.4066 %	103.5397 %	94.8767 %
Concentration per Run	0.5632 ppm	95.9421 %	101.0598 %	93.4888 %	95.7044 %	102.7489 %	95.0274 %
Concentration per Run	0.5708 ppm	94.8554 %	101.4468 %	93.1029 %	95.4189 %	103.2171 %	94.9315 %
Concentration per Run	0.5678 ppm	95.4951 %	101.7314 %	93.2337 %	95.0966 %	104.6531 %	94.6713 %
Concentration RSD	0.7 %	0.6 %	0.3 %	0.2 %	0.3 %	1.0 %	0.2 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCV
Analysis started at: 7/1/2025 9:33:21 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.5200 ppm	0.4836 ppm	0.4794 ppm	0.5119 ppm	0.5100 ppm	0.5130 ppm	0.4836 ppm
Concentration per Run	0.5191 ppm	0.4817 ppm	0.4782 ppm	0.5107 ppm	0.5095 ppm	0.5115 ppm	0.4801 ppm
Concentration per Run	0.5212 ppm	0.4854 ppm	0.4792 ppm	0.5111 ppm	0.5099 ppm	0.5131 ppm	0.4861 ppm
Concentration per Run	0.5198 ppm	0.4839 ppm	0.4809 ppm	0.5139 ppm	0.5105 ppm	0.5144 ppm	0.4846 ppm
Recovery Percentage	104.004 %	96.729 %	95.883 %	102.382 %	101.995 %	102.601 %	96.723 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.3 %	0.1 %	0.3 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4857 ppm	0.5101 ppm	0.5193 ppm	0.5262 ppm	0.5221 ppm	5.2831 ppm	0.5409 ppm
Concentration per Run	0.4859 ppm	0.5085 ppm	0.5177 ppm	0.5261 ppm	0.5239 ppm	5.2791 ppm	0.5431 ppm
Concentration per Run	0.4875 ppm	0.5117 ppm	0.5214 ppm	0.5271 ppm	0.5232 ppm	5.3306 ppm	0.5442 ppm
Concentration per Run	0.4838 ppm	0.5100 ppm	0.5188 ppm	0.5255 ppm	0.5192 ppm	5.2398 ppm	0.5355 ppm
Recovery Percentage	97.149 %	102.014 %	103.863 %	105.249 %	104.415 %	105.663 %	108.190 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.2 %	0.5 %	0.9 %	0.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.5109 ppm	0.4974 ppm	0.5108 ppm	10.6764 ppm	0.5170 ppm	0.4953 ppm	0.5408 ppm
Concentration per Run	0.5090 ppm	0.4969 ppm	0.5084 ppm	10.6571 ppm	0.5142 ppm	0.4931 ppm	0.5411 ppm
Concentration per Run	0.5114 ppm	0.4985 ppm	0.5112 ppm	10.6858 ppm	0.5177 ppm	0.4957 ppm	0.5423 ppm
Concentration per Run	0.5122 ppm	0.4969 ppm	0.5128 ppm	10.6865 ppm	0.5190 ppm	0.4971 ppm	0.5389 ppm
Recovery Percentage	102.173 %	99.486 %	102.160 %	106.764 %	103.397 %	99.061 %	108.153 %
Concentration RSD	0.3 %	0.2 %	0.4 %	0.2 %	0.5 %	0.4 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.5093 ppm	5.6361 ppm	0.5292 ppm	0.5113 ppm	0.5121 ppm	0.4925 ppm	0.5171 ppm
Concentration per Run	0.5084 ppm	5.6118 ppm	0.5272 ppm	0.5106 ppm	0.5090 ppm	0.4912 ppm	0.5160 ppm
Concentration per Run	0.5091 ppm	5.6604 ppm	0.5308 ppm	0.5105 ppm	0.5134 ppm	0.4922 ppm	0.5172 ppm
Concentration per Run	0.5103 ppm	5.6361 ppm	0.5297 ppm	0.5128 ppm	0.5139 ppm	0.4941 ppm	0.5182 ppm
Recovery Percentage	101.855 %	107.354 %	105.848 %	102.258 %	102.417 %	98.502 %	103.423 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.3 %	0.5 %	0.3 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5059 ppm	95.4189 %	100.9007 %	93.7187 %	95.9043 %	102.9490 %	94.4160 %
Concentration per Run	0.5057 ppm	96.1574 %	101.2821 %	93.7990 %	96.1004 %	103.8074 %	94.4339 %
Concentration per Run	0.5059 ppm	95.3574 %	100.7133 %	92.8828 %	96.1389 %	102.0612 %	93.3998 %
Concentration per Run	0.5060 ppm	94.7419 %	100.7068 %	94.4742 %	95.4736 %	102.9785 %	95.4143 %
Recovery Percentage	101.179 %						
Concentration RSD	0.0 %	0.7 %	0.3 %	0.9 %	0.4 %	0.8 %	1.1 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: CCB
Analysis started at: 7/1/2025 9:36:47 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	-0.0043 ppm	-0.0004 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0074 ppm
Concentration per Run	-0.0002 ppm	-0.0023 ppm	-0.0004 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0068 ppm
Concentration per Run	-0.0007 ppm	-0.0045 ppm	-0.0008 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0090 ppm
Concentration per Run	-0.0007 ppm	-0.0062 ppm	0.0000 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0064 ppm
Recovery Percentage	-10.494 %	-4.304 %	-8.311 %	6.087 %	0.919 %	1.774 %	7.399 %
Concentration RSD	55.5 %	45.7 %	90.8 %	10.8 %	34.1 %	27.6 %	19.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0004 ppm	0.0003 ppm	0.0011 ppm	0.0056 ppm	0.0152 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0011 ppm	0.0047 ppm	0.0195 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0011 ppm	0.0062 ppm	0.0172 ppm	-0.0002 ppm
Concentration per Run	0.0001 ppm	-0.0007 ppm	0.0003 ppm	0.0011 ppm	0.0059 ppm	0.0088 ppm	0.0008 ppm
Recovery Percentage	1.979 %	-4.414 %	2.734 %	10.641 %	11.258 %	0.607 %	0.454 %
Concentration RSD	90.6 %	47.7 %	15.0 %	0.5 %	14.1 %	37.3 %	1,418.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0025 ppm	0.0002 ppm	0.0097 ppm	0.0053 ppm	-0.0007 ppm	-0.0010 ppm	0.0052 ppm
Concentration per Run	-0.0024 ppm	0.0003 ppm	0.0094 ppm	0.0057 ppm	-0.0005 ppm	-0.0026 ppm	0.0042 ppm
Concentration per Run	-0.0033 ppm	0.0001 ppm	0.0097 ppm	0.0037 ppm	-0.0004 ppm	-0.0003 ppm	0.0075 ppm
Concentration per Run	-0.0019 ppm	0.0003 ppm	0.0100 ppm	0.0065 ppm	-0.0010 ppm	-0.0002 ppm	0.0038 ppm
Recovery Percentage	-2.536 %	2.373 %	19.469 %	0.266 %	-2.632 %	-10.278 %	10.372 %
Concentration RSD	29.7 %	50.2 %	2.9 %	27.2 %	51.3 %	132.1 %	39.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0083 ppm	0.0121 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0008 ppm	-0.0003 ppm
Concentration per Run	0.0079 ppm	0.0135 ppm	0.0010 ppm	0.0001 ppm	-0.0001 ppm	-0.0010 ppm	-0.0007 ppm
Concentration per Run	0.0077 ppm	0.0116 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run	0.0093 ppm	0.0114 ppm	0.0021 ppm	0.0001 ppm	0.0001 ppm	-0.0015 ppm	-0.0001 ppm
Recovery Percentage	82.974 %	2.429 %	2.665 %	0.491 %	0.129 %	-3.791 %	-3.303 %
Concentration RSD	10.5 %	9.3 %	49.4 %	55.4 %	689.0 %	112.9 %	91.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	93.1232 %	100.7181 %	92.8476 %	95.3089 %	104.6431 %	94.6821 %
Concentration per Run	0.0003 ppm	93.3883 %	102.4732 %	93.0163 %	95.8643 %	106.3562 %	94.6400 %
Concentration per Run	0.0003 ppm	93.0920 %	99.0523 %	92.3454 %	94.9381 %	102.5926 %	94.4227 %
Concentration per Run	0.0003 ppm	92.8894 %	100.6286 %	93.1812 %	95.1242 %	104.9806 %	94.9836 %
Recovery Percentage	5.616 %						
Concentration RSD	11.8 %	0.3 %	1.7 %	0.5 %	0.5 %	1.8 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LDR 50 Co pass
Analysis started at: 7/1/2025 9:57:25 PM
Rack 3
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	-0.0040 ppm	-0.0029 ppm	-0.0036 ppm	0.0001 ppm	0.0000 ppm	0.0477 ppm
Concentration per Run	-0.0008 ppm	-0.0038 ppm	-0.0011 ppm	-0.0034 ppm	0.0000 ppm	0.0000 ppm	0.0478 ppm
Concentration per Run	-0.0004 ppm	-0.0061 ppm	-0.0040 ppm	-0.0028 ppm	0.0002 ppm	0.0000 ppm	0.0484 ppm
Concentration per Run	-0.0003 ppm	-0.0022 ppm	-0.0037 ppm	-0.0045 ppm	0.0001 ppm	0.0000 ppm	0.0469 ppm
Concentration RSD	46.5 %	48.1 %	55.8 %	23.7 %	114.6 %	1,162.0 %	1.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	50.2945 ppm	0.0003 ppm	0.0087 ppm	0.0015 ppm	0.0019 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	50.4402 ppm	0.0003 ppm	0.0089 ppm	0.0010 ppm	0.0143 ppm	-0.0008 ppm
Concentration per Run	0.0000 ppm	50.2360 ppm	0.0003 ppm	0.0098 ppm	0.0024 ppm	-0.0071 ppm	-0.0003 ppm
Concentration per Run	0.0000 ppm	50.2075 ppm	0.0004 ppm	0.0075 ppm	0.0010 ppm	-0.0015 ppm	0.0003 ppm
Concentration RSD	104.1 %	0.3 %	15.0 %	13.3 %	57.0 %	584.3 %	205.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0147 ppm	0.0001 ppm	0.0035 ppm	0.0058 ppm	-0.0066 ppm	-0.0045 ppm	0.0042 ppm
Concentration per Run	-0.0141 ppm	0.0002 ppm	0.0039 ppm	0.0076 ppm	-0.0062 ppm	-0.0049 ppm	0.0044 ppm
Concentration per Run	-0.0153 ppm	0.0001 ppm	0.0035 ppm	0.0061 ppm	-0.0074 ppm	-0.0039 ppm	-0.0010 ppm
Concentration per Run	-0.0147 ppm	0.0001 ppm	0.0032 ppm	0.0037 ppm	-0.0063 ppm	-0.0047 ppm	0.0091 ppm
Concentration RSD	4.2 %	12.4 %	11.1 %	34.4 %	10.4 %	11.3 %	121.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0048 ppm	0.0074 ppm	-0.0001 ppm	0.0000 ppm	-0.0005 ppm	-0.0317 ppm	0.0003 ppm
Concentration per Run	0.0049 ppm	0.0056 ppm	-0.0005 ppm	0.0000 ppm	-0.0006 ppm	-0.0319 ppm	0.0003 ppm
Concentration per Run	0.0023 ppm	0.0097 ppm	0.0004 ppm	0.0000 ppm	-0.0005 ppm	-0.0328 ppm	0.0003 ppm
Concentration per Run	0.0073 ppm	0.0068 ppm	-0.0004 ppm	0.0001 ppm	-0.0003 ppm	-0.0305 ppm	0.0003 ppm
Concentration RSD	51.7 %	28.3 %	348.2 %	97.6 %	33.2 %	3.6 %	10.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.7245 %	100.6104 %	100.4000 %	103.1047 %	103.0199 %	99.7544 %
Concentration per Run	0.0004 ppm	100.9746 %	100.2601 %	100.1136 %	103.2610 %	101.6788 %	99.6213 %
Concentration per Run	0.0002 ppm	101.2312 %	100.8228 %	101.0363 %	103.2354 %	103.8352 %	100.1111 %
Concentration per Run	0.0000 ppm	99.9677 %	100.7484 %	100.0501 %	102.8177 %	103.5456 %	99.5309 %
Concentration RSD	105.5 %	0.7 %	0.3 %	0.5 %	0.2 %	1.1 %	0.3 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LDR 50 Cr pass
Analysis started at: 7/1/2025 10:01:09 PM
Rack 3
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0013 ppm	-0.0028 ppm	-0.0034 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	-0.0233 ppm
Concentration per Run	-0.0017 ppm	-0.0050 ppm	-0.0038 ppm	-0.0005 ppm	0.0003 ppm	0.0000 ppm	-0.0214 ppm
Concentration per Run	-0.0012 ppm	-0.0011 ppm	-0.0030 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	-0.0232 ppm
Concentration per Run	-0.0010 ppm	-0.0023 ppm	-0.0035 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0253 ppm
Concentration RSD	28.1 %	71.9 %	11.2 %	326.1 %	24.4 %	45.0 %	8.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0004 ppm	0.0017 ppm	50.4915 ppm	0.0005 ppm	0.0041 ppm	0.0048 ppm	-0.0002 ppm
Concentration per Run	-0.0004 ppm	0.0021 ppm	50.7526 ppm	0.0005 ppm	0.0054 ppm	0.0077 ppm	0.0005 ppm
Concentration per Run	-0.0002 ppm	0.0014 ppm	49.9872 ppm	0.0007 ppm	0.0034 ppm	0.0068 ppm	0.0001 ppm
Concentration per Run	-0.0004 ppm	0.0016 ppm	50.7347 ppm	0.0003 ppm	0.0035 ppm	-0.0001 ppm	-0.0013 ppm
Concentration RSD	32.5 %	21.1 %	0.9 %	38.5 %	27.0 %	88.8 %	394.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0053 ppm	0.0017 ppm	0.0041 ppm	0.0083 ppm	-0.0004 ppm	-0.0016 ppm	0.0157 ppm
Concentration per Run	-0.0069 ppm	0.0016 ppm	0.0038 ppm	0.0070 ppm	0.0000 ppm	-0.0018 ppm	0.0161 ppm
Concentration per Run	-0.0058 ppm	0.0018 ppm	0.0044 ppm	0.0089 ppm	-0.0008 ppm	-0.0020 ppm	0.0204 ppm
Concentration per Run	-0.0032 ppm	0.0018 ppm	0.0042 ppm	0.0091 ppm	-0.0003 ppm	-0.0010 ppm	0.0106 ppm
Concentration RSD	35.5 %	6.5 %	7.5 %	14.2 %	109.4 %	34.6 %	31.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0062 ppm	0.0174 ppm	-0.0009 ppm	0.0001 ppm	-0.0019 ppm	-0.0042 ppm	-0.0176 ppm
Concentration per Run	0.0060 ppm	0.0196 ppm	-0.0006 ppm	0.0001 ppm	-0.0018 ppm	-0.0050 ppm	-0.0174 ppm
Concentration per Run	0.0054 ppm	0.0181 ppm	-0.0008 ppm	0.0001 ppm	-0.0018 ppm	-0.0043 ppm	-0.0170 ppm
Concentration per Run	0.0073 ppm	0.0146 ppm	-0.0012 ppm	0.0000 ppm	-0.0020 ppm	-0.0034 ppm	-0.0183 ppm
Concentration RSD	15.6 %	15.0 %	35.8 %	49.5 %	5.7 %	18.8 %	3.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0027 ppm	95.4149 %	101.2960 %	96.7205 %	96.3469 %	103.0693 %	97.0554 %
Concentration per Run	-0.0029 ppm	95.3613 %	101.4810 %	96.1725 %	96.7672 %	102.3884 %	96.6045 %
Concentration per Run	-0.0025 ppm	96.3855 %	101.0031 %	97.2144 %	96.1402 %	103.3436 %	97.4927 %
Concentration per Run	-0.0028 ppm	94.4979 %	101.4038 %	96.7748 %	96.1335 %	103.4757 %	97.0691 %
Concentration RSD	8.0 %	1.0 %	0.3 %	0.5 %	0.4 %	0.6 %	0.5 %

ICP DataTrace 8

7/1/2025 10:15:05 PM

LabBook: WG2085567_07012025T8.imexp

Sample: LDR 50 Ni pass
Analysis started at: 7/1/2025 10:04:37 PM
Rack 3
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	-0.0059 ppm	-0.0013 ppm	0.0008 ppm	0.0004 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run	-0.0005 ppm	-0.0076 ppm	-0.0031 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run	-0.0005 ppm	-0.0071 ppm	-0.0010 ppm	0.0015 ppm	0.0004 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run	-0.0002 ppm	-0.0030 ppm	0.0001 ppm	0.0011 ppm	0.0004 ppm	0.0000 ppm	0.0088 ppm
Concentration RSD	41.1 %	42.4 %	121.8 %	114.6 %	5.9 %	31.7 %	23.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0007 ppm	0.0048 ppm	0.0015 ppm	0.0022 ppm	0.0026 ppm	-0.0002 ppm
Concentration per Run	0.0000 ppm	-0.0005 ppm	0.0054 ppm	0.0016 ppm	0.0026 ppm	0.0021 ppm	0.0000 ppm
Concentration per Run	0.0001 ppm	-0.0008 ppm	0.0048 ppm	0.0010 ppm	0.0022 ppm	0.0023 ppm	-0.0002 ppm
Concentration per Run	-0.0001 ppm	-0.0008 ppm	0.0043 ppm	0.0017 ppm	0.0018 ppm	0.0034 ppm	-0.0003 ppm
Concentration RSD	1,791.2 %	22.8 %	10.6 %	26.8 %	18.3 %	26.3 %	101.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0011 ppm	0.0001 ppm	0.0003 ppm	0.0060 ppm	52.5352 [SIC 50]	0.0038 ppm	-0.0005 ppm
Concentration per Run	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0053 ppm	52.4227 ppm	0.0041 ppm	0.0000 ppm
Concentration per Run	-0.0030 ppm	0.0001 ppm	0.0004 ppm	0.0050 ppm	52.7796 ppm	0.0037 ppm	0.0006 ppm
Concentration per Run	-0.0004 ppm	0.0002 ppm	-0.0003 ppm	0.0076 ppm	52.4033 ppm	0.0037 ppm	-0.0021 ppm
Concentration RSD	150.9 %	33.0 %	191.3 %	23.5 %	0.4 %	6.7 %	273.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0028 ppm	0.0034 ppm	-0.0005 ppm	0.0001 ppm	-0.0008 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run	0.0018 ppm	0.0025 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run	0.0026 ppm	0.0027 ppm	-0.0011 ppm	0.0001 ppm	-0.0012 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run	0.0041 ppm	0.0050 ppm	-0.0005 ppm	0.0001 ppm	-0.0007 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	40.3 %	41.8 %	102.0 %	37.4 %	48.8 %	391.1 %	800.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	94.0388 %	100.1726 %	95.2033 %	95.9342 %	103.4322 %	95.9901 %
Concentration per Run	0.0003 ppm	94.4920 %	100.7776 %	95.0792 %	96.1076 %	103.0650 %	96.1717 %
Concentration per Run	0.0004 ppm	93.3114 %	100.3717 %	94.9370 %	95.2939 %	104.2782 %	95.7726 %
Concentration per Run	0.0003 ppm	94.3129 %	99.3685 %	95.5937 %	96.4011 %	102.9534 %	96.0259 %
Concentration RSD	11.3 %	0.7 %	0.7 %	0.4 %	0.6 %	0.7 %	0.2 %

LabBook: WG2085565_07012025T9.imexp

Sample:	xBlank DMC Trace9
Analysis started at:	7/1/2025 6:00:39 AM
Rack	0
Vial	1
Comment	<Comment>

LabBook: WG2085565_07012025T9.imexp

Sample:	xICAL
Analysis started at:	7/1/2025 6:04:04 AM
Rack	0
Vial	2
Comment	<Comment>

LabBook: WG2085565_07012025T9.imexp

Sample:	xICV
Analysis started at:	7/1/2025 6:07:16 AM
Rack	0
Vial	3
Comment	<Comment>

LabBook: WG2085565_07012025T9.imexp

Sample:	xICB
Analysis started at:	7/1/2025 6:10:29 AM
Rack	0
Vial	4
Comment	<Comment>

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: Blank DMC Trace9
Analysis started at: 7/1/2025 6:32:50 AM
Rack 0
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.7 %	-0.4 %	-0.2 %	0.4 %	0.1 %	-0.1 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	8.4 %	1.5 %	-0.4 %	0.0 %	27.7 %	-0.4 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.2 %	-1.5 %	0.2 %	0.0 %	17.5 %	2.0 %	2.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.2 %	0.1 %	0.5 %	-4.1 %	-0.4 %	-0.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.2 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: ICAL
Analysis started at: 7/1/2025 6:36:14 AM
Rack 0
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9809 ppm	25.1539 ppm	0.9985 ppm	0.9634 ppm	1.0100 ppm	1.0030 ppm	9.9897 ppm
Concentration per Run 2	1.0048 ppm	24.9617 ppm	0.9977 ppm	1.0137 ppm	0.9990 ppm	1.0007 ppm	9.8929 ppm
Concentration per Run 3	1.0143 ppm	24.8844 ppm	1.0038 ppm	1.0230 ppm	0.9911 ppm	0.9963 ppm	10.1175 ppm
Concentration RSD	1.7 %	0.6 %	0.3 %	3.2 %	0.9 %	0.3 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9360 ppm	0.9488 ppm	0.9825 ppm	0.9852 ppm	24.9884 ppm	35.7774 ppm	1.0172 ppm
Concentration per Run 2	1.0237 ppm	1.0217 ppm	1.0046 ppm	1.0090 ppm	24.9846 ppm	35.1064 ppm	1.0079 ppm
Concentration per Run 3	1.0403 ppm	1.0295 ppm	1.0129 ppm	1.0059 ppm	25.0270 ppm	34.1162 ppm	0.9748 ppm
Concentration RSD	5.6 %	4.5 %	1.6 %	1.3 %	0.1 %	2.4 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.8193 ppm	0.9979 ppm	0.9756 ppm	25.5256 ppm	0.9816 ppm	0.9992 ppm	0.9773 ppm
Concentration per Run 2	10.0464 ppm	0.9935 ppm	1.0123 ppm	24.9590 ppm	1.0037 ppm	1.0000 ppm	1.0129 ppm
Concentration per Run 3	10.1342 ppm	1.0086 ppm	1.0121 ppm	24.5154 ppm	1.0147 ppm	1.0007 ppm	1.0098 ppm
Concentration RSD	1.6 %	0.8 %	2.1 %	2.0 %	1.7 %	0.1 %	2.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	1.0024 ppm	9.4095 ppm	0.9897 ppm	1.0117 ppm	0.9817 ppm	0.9991 ppm	0.9882 ppm
Concentration per Run 2	0.9953 ppm	10.2203 ppm	1.0024 ppm	0.9965 ppm	1.0068 ppm	1.0004 ppm	1.0032 ppm
Concentration per Run 3	1.0022 ppm	10.3702 ppm	1.0079 ppm	0.9918 ppm	1.0115 ppm	1.0005 ppm	1.0085 ppm
Concentration RSD	0.4 %	5.2 %	0.9 %	1.0 %	1.6 %	0.1 %	1.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	91.4854 %	95.9856 %	89.0079 %	88.9651 %	94.1997 %	94.7155 %
Concentration per Run 1	0.9812 ppm	96.0511 %	96.8059 %	88.8774 %	93.3129 %	95.6338 %	94.7705 %
Concentration per Run 2	1.0023 ppm	89.0969 %	95.4035 %	89.2260 %	86.8973 %	92.9111 %	94.8149 %
Concentration per Run 3	1.0165 ppm	89.3083 %	95.7473 %	88.9204 %	86.6850 %	94.0542 %	94.5612 %
Concentration RSD	1.8 %	4.3 %	0.8 %	0.2 %	4.2 %	1.5 %	0.1 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:52:48 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4881 ppm	0.4714 ppm	0.4513 ppm	0.4679 ppm	0.4868 ppm	0.4921 ppm	0.4829 ppm
Concentration per Run 1	0.4899 ppm	0.4720 ppm	0.4522 ppm	0.4684 ppm	0.4883 ppm	0.4942 ppm	0.4826 ppm
Concentration per Run 2	0.4877 ppm	0.4678 ppm	0.4509 ppm	0.4714 ppm	0.4829 ppm	0.4896 ppm	0.4822 ppm
Concentration per Run 3	0.4868 ppm	0.4744 ppm	0.4507 ppm	0.4639 ppm	0.4893 ppm	0.4924 ppm	0.4838 ppm
Recovery Percentage 1	97.628 %	94.283 %	90.256 %	93.579 %	97.369 %	98.413 %	96.572 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.8 %	0.7 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4583 ppm	0.4746 ppm	0.4799 ppm	0.4916 ppm	0.4936 ppm	5.0212 ppm	0.5012 ppm
Concentration per Run 1	0.4578 ppm	0.4738 ppm	0.4827 ppm	0.4925 ppm	0.4945 ppm	5.0057 ppm	0.4949 ppm
Concentration per Run 2	0.4588 ppm	0.4769 ppm	0.4776 ppm	0.4920 ppm	0.4908 ppm	5.0131 ppm	0.5037 ppm
Concentration per Run 3	0.4584 ppm	0.4730 ppm	0.4794 ppm	0.4904 ppm	0.4955 ppm	5.0448 ppm	0.5049 ppm
Recovery Percentage 1	91.663 %	94.913 %	95.982 %	98.321 %	98.716 %	100.424 %	100.237 %
Concentration RSD	0.1 %	0.4 %	0.5 %	0.2 %	0.5 %	0.4 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4780 ppm	0.4952 ppm	0.4650 ppm	9.8690 ppm	0.4899 ppm	0.4819 ppm	0.4870 ppm
Concentration per Run 1	0.4786 ppm	0.4941 ppm	0.4634 ppm	9.7047 ppm	0.4914 ppm	0.4838 ppm	0.4877 ppm
Concentration per Run 2	0.4778 ppm	0.4926 ppm	0.4659 ppm	10.0240 ppm	0.4881 ppm	0.4805 ppm	0.4884 ppm
Concentration per Run 3	0.4776 ppm	0.4989 ppm	0.4657 ppm	9.8782 ppm	0.4901 ppm	0.4815 ppm	0.4848 ppm
Recovery Percentage 1	95.600 %	99.038 %	93.000 %	98.690 %	97.972 %	96.384 %	97.398 %
Concentration RSD	0.1 %	0.7 %	0.3 %	1.6 %	0.3 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4643 ppm	5.1194 ppm	0.4772 ppm	0.4930 ppm	0.4741 ppm	0.4957 ppm	0.4888 ppm
Concentration per Run 1	0.4642 ppm	5.1217 ppm	0.4786 ppm	0.4935 ppm	0.4773 ppm	0.4969 ppm	0.4890 ppm
Concentration per Run 2	0.4624 ppm	5.1347 ppm	0.4746 ppm	0.4888 ppm	0.4738 ppm	0.4922 ppm	0.4889 ppm
Concentration per Run 3	0.4662 ppm	5.1019 ppm	0.4785 ppm	0.4968 ppm	0.4713 ppm	0.4978 ppm	0.4886 ppm
Recovery Percentage 1	92.851 %	97.513 %	95.450 %	98.608 %	94.828 %	99.130 %	97.761 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.8 %	0.6 %	0.6 %	0.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4813 ppm	100.1363 %	101.1463 %	97.1351 %	98.0628 %	99.7483 %	99.2361 %
Concentration per Run 1	0.4825 ppm	99.8868 %	100.7110 %	97.1282 %	98.1282 %	99.0876 %	99.5478 %
Concentration per Run 2	0.4798 ppm	99.7811 %	101.7858 %	97.6500 %	97.8329 %	100.3276 %	99.5248 %
Concentration per Run 3	0.4816 ppm	100.7411 %	100.9421 %	96.6269 %	98.2275 %	99.8297 %	98.6358 %
Recovery Percentage 1	96.260 %						
Concentration RSD	0.3 %	0.5 %	0.6 %	0.5 %	0.2 %	0.6 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: ICB
Analysis started at: 7/1/2025 6:56:07 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0012 ppm	0.0003 ppm	-0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0040 ppm	0.0000 ppm	-0.0026 ppm	0.0000 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0006 ppm	0.0000 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0008 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm
Recovery Percentage 1	-0.116 %	1.250 %	5.181 %	-4.981 %	0.154 %	0.008 %	-0.027 %
Concentration RSD	134.3 %	193.7 %	168.4 %	63.3 %	165.3 %	5,029.4 %	4,427.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0007 ppm	-0.0043 ppm	-0.0003 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0009 ppm	-0.0022 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0000 ppm	-0.0004 ppm	0.0002 ppm	-0.0113 ppm	0.0000 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0007 ppm	-0.0004 ppm
Recovery Percentage 1	1.595 %	0.913 %	0.014 %	-1.803 %	1.358 %	-0.171 %	-5.808 %
Concentration RSD	37.3 %	177.2 %	3,717.6 %	102.8 %	57.0 %	147.2 %	93.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0022 ppm	0.0015 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	-0.0007 ppm	0.0000 ppm	0.0022 ppm	0.0014 ppm	0.0001 ppm	-0.0011 ppm	0.0009 ppm
Concentration per Run 2	0.0007 ppm	-0.0001 ppm	0.0024 ppm	0.0003 ppm	0.0002 ppm	0.0006 ppm	0.0005 ppm
Concentration per Run 3	-0.0020 ppm	0.0000 ppm	0.0021 ppm	0.0030 ppm	-0.0004 ppm	0.0000 ppm	-0.0001 ppm
Recovery Percentage 1	-0.696 %	-0.299 %	4.489 %	0.077 %	-0.214 %	-1.494 %	0.843 %
Concentration RSD	193.9 %	129.8 %	6.5 %	86.9 %	588.4 %	576.7 %	116.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0016 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0005 ppm	0.0011 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	-0.0001 ppm
Recovery Percentage 1	6.726 %	0.111 %	0.078 %	0.202 %	1.849 %	1.555 %	-1.220 %
Concentration RSD	125.0 %	97.4 %	1,483.0 %	117.1 %	45.3 %	108.0 %	102.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	99.7026 %	100.6195 %	99.2004 %	99.8996 %	100.9429 %	100.3209 %
Concentration per Run 1	0.0002 ppm	99.6514 %	100.3524 %	99.4988 %	99.6864 %	100.3718 %	100.5829 %
Concentration per Run 2	-0.0001 ppm	100.0126 %	100.6211 %	98.7103 %	100.0441 %	100.6927 %	99.5905 %
Concentration per Run 3	0.0000 ppm	99.4438 %	100.8848 %	99.3922 %	99.9682 %	101.7641 %	100.7895 %
Recovery Percentage 1	0.649 %						
Concentration RSD	430.5 %	0.3 %	0.3 %	0.4 %	0.2 %	0.7 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: ICV
Analysis started at: 7/1/2025 7:10:38 AM
Rack 0
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4915 ppm	0.4756 ppm	0.4536 ppm	0.4704 ppm	0.4898 ppm	0.4948 ppm	0.4858 ppm
Concentration per Run 1	0.4923 ppm	0.4725 ppm	0.4542 ppm	0.4685 ppm	0.4885 ppm	0.4942 ppm	0.4883 ppm
Concentration per Run 2	0.4912 ppm	0.4758 ppm	0.4523 ppm	0.4741 ppm	0.4916 ppm	0.4956 ppm	0.4852 ppm
Concentration per Run 3	0.4911 ppm	0.4784 ppm	0.4543 ppm	0.4687 ppm	0.4892 ppm	0.4945 ppm	0.4841 ppm
Recovery Percentage 1	98.309 %	95.114 %	90.722 %	94.084 %	97.953 %	98.953 %	97.168 %
Concentration RSD	0.1 %	0.6 %	0.2 %	0.7 %	0.3 %	0.2 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4627 ppm	0.4802 ppm	0.4854 ppm	0.4956 ppm	0.4987 ppm	5.0056 ppm	0.4919 ppm
Concentration per Run 1	0.4623 ppm	0.4799 ppm	0.4846 ppm	0.4953 ppm	0.4957 ppm	4.9791 ppm	0.4909 ppm
Concentration per Run 2	0.4658 ppm	0.4830 ppm	0.4861 ppm	0.4970 ppm	0.4984 ppm	5.0581 ppm	0.4994 ppm
Concentration per Run 3	0.4599 ppm	0.4779 ppm	0.4856 ppm	0.4944 ppm	0.5020 ppm	4.9794 ppm	0.4854 ppm
Recovery Percentage 1	92.530 %	96.050 %	97.087 %	99.110 %	99.739 %	100.111 %	98.380 %
Concentration RSD	0.6 %	0.5 %	0.2 %	0.3 %	0.6 %	0.9 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4808 ppm	0.4981 ppm	0.4677 ppm	9.9347 ppm	0.4939 ppm	0.4868 ppm	0.4908 ppm
Concentration per Run 1	0.4795 ppm	0.4958 ppm	0.4660 ppm	9.9430 ppm	0.4906 ppm	0.4849 ppm	0.4905 ppm
Concentration per Run 2	0.4830 ppm	0.4977 ppm	0.4691 ppm	10.1170 ppm	0.4956 ppm	0.4871 ppm	0.4927 ppm
Concentration per Run 3	0.4800 ppm	0.5008 ppm	0.4680 ppm	9.7440 ppm	0.4954 ppm	0.4885 ppm	0.4892 ppm
Recovery Percentage 1	96.167 %	99.622 %	93.544 %	99.347 %	98.779 %	97.369 %	98.163 %
Concentration RSD	0.4 %	0.5 %	0.3 %	1.9 %	0.6 %	0.4 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4686 ppm	5.1192 ppm	0.4972 ppm	0.4941 ppm	0.4800 ppm	0.4985 ppm	0.4917 ppm
Concentration per Run 1	0.4664 ppm	5.1253 ppm	0.4963 ppm	0.4939 ppm	0.4811 ppm	0.4992 ppm	0.4907 ppm
Concentration per Run 2	0.4700 ppm	5.1393 ppm	0.4974 ppm	0.4952 ppm	0.4796 ppm	0.4965 ppm	0.4938 ppm
Concentration per Run 3	0.4693 ppm	5.0931 ppm	0.4980 ppm	0.4933 ppm	0.4794 ppm	0.4998 ppm	0.4905 ppm
Recovery Percentage 1	93.716 %	97.509 %	99.445 %	98.827 %	96.008 %	99.698 %	98.336 %
Concentration RSD	0.4 %	0.5 %	0.2 %	0.2 %	0.2 %	0.3 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4848 ppm	100.2104 %	101.2662 %	97.5967 %	97.9593 %	99.9672 %	99.4429 %
Concentration per Run 1	0.4815 ppm	100.4845 %	102.0255 %	97.6903 %	98.0640 %	100.2726 %	99.4169 %
Concentration per Run 2	0.4871 ppm	99.4246 %	101.0327 %	97.8782 %	97.6318 %	99.9952 %	99.6917 %
Concentration per Run 3	0.4859 ppm	100.7221 %	100.7403 %	97.2214 %	98.1822 %	99.6336 %	99.2203 %
Recovery Percentage 1	96.969 %						
Concentration RSD	0.6 %	0.7 %	0.7 %	0.3 %	0.3 %	0.3 %	0.2 %

LabBook: WG2085565_07012025T9.imexp

Sample: ICB
Analysis started at: 7/1/2025 7:14:01 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0009 ppm	0.0002 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 1	0.0002 ppm	-0.0041 ppm	-0.0009 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 2	0.0001 ppm	0.0012 ppm	0.0006 ppm	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Recovery Percentage 1	1.316 %	-0.858 %	3.555 %	-1.191 %	-0.576 %	0.070 %	1.594 %
Concentration RSD	134.6 %	327.8 %	538.7 %	87.6 %	61.0 %	238.8 %	86.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0023 ppm	-0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm	-0.0032 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0045 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0003 ppm	0.0005 ppm	0.0055 ppm	-0.0004 ppm
Recovery Percentage 1	1.014 %	0.920 %	1.531 %	-1.569 %	1.294 %	0.091 %	-8.391 %
Concentration RSD	47.0 %	50.0 %	156.2 %	108.5 %	48.6 %	210.7 %	49.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0008 ppm	0.0000 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0023 ppm	0.0007 ppm	0.0001 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run 2	-0.0008 ppm	0.0000 ppm	0.0025 ppm	0.0004 ppm	-0.0003 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run 3	-0.0014 ppm	0.0000 ppm	0.0021 ppm	-0.0011 ppm	0.0003 ppm	-0.0009 ppm	0.0012 ppm
Recovery Percentage 1	-0.801 %	0.083 %	4.633 %	-0.002 %	0.169 %	-4.969 %	1.524 %
Concentration RSD	80.4 %	570.3 %	7.2 %	2,303.7 %	737.9 %	149.9 %	55.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0011 ppm	0.0009 ppm	0.0005 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0026 ppm	0.0012 ppm	0.0006 ppm	0.0001 ppm	0.0004 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0010 ppm	0.0007 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 3	-0.0004 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage 1	10.798 %	0.181 %	0.953 %	0.751 %	2.404 %	-0.304 %	0.042 %
Concentration RSD	138.5 %	25.5 %	48.7 %	39.0 %	63.8 %	1,202.4 %	1,463.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	100.9885 %	101.4907 %	100.3486 %	101.1438 %	101.4016 %	101.3150 %
Concentration per Run 1	0.0002 ppm	101.2379 %	101.0798 %	100.5662 %	100.9487 %	101.2601 %	101.6622 %
Concentration per Run 2	0.0003 ppm	100.3725 %	102.3214 %	100.6574 %	100.9224 %	102.2025 %	101.6410 %
Concentration per Run 3	0.0000 ppm	101.3551 %	101.0709 %	99.8222 %	101.5602 %	100.7423 %	100.6419 %
Recovery Percentage 1	3.821 %						
Concentration RSD	65.7 %	0.5 %	0.7 %	0.5 %	0.4 %	0.7 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: LLOQ
Analysis started at: 7/1/2025 7:41:33 AM
Rack 0
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0051 ppm	0.0973 ppm	0.0047 ppm	0.0272 ppm	0.0097 ppm	0.0048 ppm	0.1036 ppm
Concentration per Run 1	0.0053 ppm	0.1016 ppm	0.0048 ppm	0.0264 ppm	0.0098 ppm	0.0048 ppm	0.1030 ppm
Concentration per Run 2	0.0051 ppm	0.0952 ppm	0.0045 ppm	0.0283 ppm	0.0097 ppm	0.0048 ppm	0.1054 ppm
Concentration per Run 3	0.0050 ppm	0.0952 ppm	0.0047 ppm	0.0267 ppm	0.0097 ppm	0.0049 ppm	0.1025 ppm
Recovery Percentage 1	102.875 %	97.318 %	93.211 %	90.549 %	97.071 %	96.559 %	103.631 %
Concentration RSD	3.0 %	3.8 %	2.7 %	3.7 %	0.8 %	0.5 %	1.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0036 ppm	0.0094 ppm	0.0092 ppm	0.0094 ppm	0.0488 ppm	2.5046 ppm	0.0102 ppm
Concentration per Run 1	0.0036 ppm	0.0093 ppm	0.0095 ppm	0.0094 ppm	0.0481 ppm	2.5229 ppm	0.0102 ppm
Concentration per Run 2	0.0035 ppm	0.0092 ppm	0.0091 ppm	0.0095 ppm	0.0493 ppm	2.5047 ppm	0.0102 ppm
Concentration per Run 3	0.0036 ppm	0.0096 ppm	0.0091 ppm	0.0094 ppm	0.0491 ppm	2.4863 ppm	0.0102 ppm
Recovery Percentage 1	89.204 %	93.740 %	92.466 %	94.150 %	97.632 %	100.185 %	102.431 %
Concentration RSD	1.0 %	2.2 %	2.4 %	0.5 %	1.3 %	0.7 %	0.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0970 ppm	0.0095 ppm	0.0452 ppm	1.9973 ppm	0.0191 ppm	0.0091 ppm	0.0470 ppm
Concentration per Run 1	0.0989 ppm	0.0093 ppm	0.0453 ppm	2.0011 ppm	0.0193 ppm	0.0096 ppm	0.0462 ppm
Concentration per Run 2	0.0952 ppm	0.0095 ppm	0.0452 ppm	2.0189 ppm	0.0191 ppm	0.0079 ppm	0.0488 ppm
Concentration per Run 3	0.0968 ppm	0.0097 ppm	0.0451 ppm	1.9718 ppm	0.0188 ppm	0.0099 ppm	0.0458 ppm
Recovery Percentage 1	96.984 %	94.813 %	90.378 %	99.864 %	95.509 %	91.499 %	93.927 %
Concentration RSD	1.9 %	2.1 %	0.2 %	1.2 %	1.3 %	11.7 %	3.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0100 ppm	0.4708 ppm	0.0493 ppm	0.0098 ppm	0.0093 ppm	0.0188 ppm	0.0091 ppm
Concentration per Run 1	0.0093 ppm	0.4732 ppm	0.0495 ppm	0.0098 ppm	0.0093 ppm	0.0196 ppm	0.0094 ppm
Concentration per Run 2	0.0110 ppm	0.4707 ppm	0.0481 ppm	0.0098 ppm	0.0092 ppm	0.0194 ppm	0.0091 ppm
Concentration per Run 3	0.0099 ppm	0.4685 ppm	0.0503 ppm	0.0097 ppm	0.0093 ppm	0.0174 ppm	0.0089 ppm
Recovery Percentage 1	100.378 %	94.156 %	98.571 %	97.612 %	92.683 %	94.191 %	91.301 %
Concentration RSD	8.7 %	0.5 %	2.2 %	0.5 %	1.1 %	6.4 %	2.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0050 ppm	102.5113 %	102.5568 %	101.7970 %	100.7140 %	101.6118 %	101.1001 %
Concentration per Run 1	0.0050 ppm	102.6338 %	103.0802 %	102.2371 %	101.0266 %	101.5243 %	101.3099 %
Concentration per Run 2	0.0050 ppm	102.5226 %	102.2126 %	100.9252 %	100.6427 %	101.6740 %	100.3915 %
Concentration per Run 3	0.0051 ppm	102.3775 %	102.3777 %	102.2288 %	100.4727 %	101.6370 %	101.5988 %
Recovery Percentage 1	100.548 %						
Concentration RSD	2.0 %	0.1 %	0.4 %	0.7 %	0.3 %	0.1 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: ICSA
Analysis started at: 7/1/2025 7:45:00 AM
Rack 0
Vial 6
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0015 ppm	487.6967 ppm	-0.0032 ppm	-0.0107 ppm	0.0020 ppm	0.0000 ppm	458.2254 ppm
Concentration per Run 1	0.0015 ppm	484.8227 ppm	-0.0039 ppm	-0.0117 ppm	0.0020 ppm	0.0001 ppm	458.6796 ppm
Concentration per Run 2	0.0014 ppm	489.7236 ppm	-0.0017 ppm	-0.0087 ppm	0.0020 ppm	0.0000 ppm	459.9033 ppm
Concentration per Run 3	0.0017 ppm	488.5437 ppm	-0.0040 ppm	-0.0116 ppm	0.0021 ppm	0.0000 ppm	456.0931 ppm
Recovery Percentage 1	21.829 %		-63.959 %	-35.662 %	20.111 %	1.006 %	
Concentration RSD	10.8 %	0.5 %	41.2 %	15.8 %	2.2 %	61.4 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0005 ppm	-0.0002 ppm	0.0003 ppm	0.0033 ppm	178.4868 ppm	-0.0173 ppm	-0.0013 ppm
Concentration per Run 1	-0.0004 ppm	-0.0002 ppm	0.0008 ppm	0.0036 ppm	178.2995 ppm	-0.0216 ppm	-0.0014 ppm
Concentration per Run 2	-0.0005 ppm	-0.0004 ppm	0.0001 ppm	0.0032 ppm	178.9428 ppm	-0.0086 ppm	-0.0014 ppm
Concentration per Run 3	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0033 ppm	178.2181 ppm	-0.0217 ppm	-0.0011 ppm
Recovery Percentage 1	-9.251 %	-1.138 %	3.486 %	33.357 %		-0.693 %	-26.286 %
Concentration RSD	11.2 %	58.3 %	110.1 %	6.1 %	0.2 %	43.6 %	15.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	448.3598 ppm	0.0004 ppm	0.0008 ppm	0.0253 ppm	-0.0002 ppm	0.0094 ppm	-0.0181 ppm
Concentration per Run 1	448.7569 ppm	0.0005 ppm	0.0007 ppm	0.0252 ppm	-0.0002 ppm	0.0098 ppm	-0.0198 ppm
Concentration per Run 2	447.6471 ppm	0.0005 ppm	0.0010 ppm	0.0247 ppm	0.0002 ppm	0.0070 ppm	-0.0150 ppm
Concentration per Run 3	448.6755 ppm	0.0003 ppm	0.0005 ppm	0.0260 ppm	-0.0007 ppm	0.0114 ppm	-0.0196 ppm
Recovery Percentage 1		4.442 %	1.522 %	1.264 %	-0.837 %	93.986 %	-36.196 %
Concentration RSD	0.1 %	24.8 %	31.1 %	2.6 %	216.8 %	24.1 %	15.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	0.0051 ppm	0.0024 ppm	0.0064 ppm	-0.0001 ppm	0.0041 ppm	-0.0059 ppm
Concentration per Run 1	0.0022 ppm	0.0058 ppm	0.0023 ppm	0.0064 ppm	-0.0001 ppm	0.0049 ppm	-0.0062 ppm
Concentration per Run 2	0.0042 ppm	0.0044 ppm	0.0029 ppm	0.0064 ppm	-0.0001 ppm	0.0027 ppm	-0.0060 ppm
Concentration per Run 3	0.0009 ppm	0.0053 ppm	0.0019 ppm	0.0065 ppm	-0.0001 ppm	0.0048 ppm	-0.0056 ppm
Recovery Percentage 1	24.073 %	1.030 %	4.754 %	64.271 %	-1.009 %	20.641 %	-59.439 %
Concentration RSD	69.5 %	13.5 %	20.5 %	1.1 %	46.1 %	30.5 %	5.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0063 ppm	76.2896 %	88.0868 %	66.5046 %	73.8905 %	87.3173 %	79.5074 %
Concentration per Run 1	-0.0063 ppm	75.9811 %	87.9393 %	66.7791 %	73.3636 %	87.2814 %	79.5044 %
Concentration per Run 2	-0.0064 ppm	76.0154 %	87.5325 %	66.1402 %	73.7236 %	86.6966 %	79.3163 %
Concentration per Run 3	-0.0063 ppm	76.8723 %	88.7886 %	66.5947 %	74.5844 %	87.9740 %	79.7014 %
Recovery Percentage 1	-126.809 %						
Concentration RSD	1.0 %	0.7 %	0.7 %	0.5 %	0.8 %	0.7 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: SIC Multi
Analysis started at: 7/1/2025 7:50:15 AM
Rack 0
Vial 7
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0005 ppm	0.0273 ppm	-0.0014 ppm	0.0015 ppm	0.0001 ppm	-0.0023 ppm	0.0083 ppm
Concentration per Run 1	-0.0005 ppm	0.0293 ppm	-0.0017 ppm	-0.0002 ppm	0.0002 ppm	-0.0022 ppm	0.0086 ppm
Concentration per Run 2	-0.0007 ppm	0.0297 ppm	-0.0015 ppm	0.0021 ppm	0.0001 ppm	-0.0023 ppm	0.0095 ppm
Concentration per Run 3	-0.0004 ppm	0.0228 ppm	-0.0010 ppm	0.0027 ppm	0.0001 ppm	-0.0023 ppm	0.0068 ppm
Recovery Percentage 1	-7.478 %	27.285 %	-28.031 %	5.108 %	1.320 %	-56.916 %	8.319 %
Concentration RSD	36.9 %	14.1 %	23.0 %	100.8 %	41.8 %	2.6 %	16.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	-0.0047 ppm	**18.7546 ppm**	-0.0023 ppm	0.0143 ppm	0.0070 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	-0.0043 ppm	18.7786 ppm	-0.0022 ppm	0.0150 ppm	0.0044 ppm	-0.0001 ppm
Concentration per Run 2	-0.0003 ppm	-0.0048 ppm	18.7791 ppm	-0.0024 ppm	0.0143 ppm	0.0150 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	-0.0051 ppm	18.7060 ppm	-0.0022 ppm	0.0136 ppm	0.0017 ppm	-0.0002 ppm
Recovery Percentage 1	-4.157 %	-23.745 %	187,545.588 %	-22.550 %	28.687 %	0.281 %	-2.471 %
Concentration RSD	35.8 %	8.3 %	**0.2 %**	4.8 %	4.9 %	99.6 %	25.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0017 ppm	**19.1751 ppm**	-0.0011 ppm	0.0079 ppm	-0.0002 ppm	-0.0012 ppm	-0.0238 ppm
Concentration per Run 1	0.0007 ppm	19.1888 ppm	-0.0008 ppm	0.0079 ppm	0.0001 ppm	-0.0014 ppm	-0.0237 ppm
Concentration per Run 2	-0.0031 ppm	19.1992 ppm	-0.0012 ppm	0.0089 ppm	-0.0004 ppm	-0.0008 ppm	-0.0230 ppm
Concentration per Run 3	-0.0027 ppm	19.1374 ppm	-0.0013 ppm	0.0069 ppm	-0.0004 ppm	-0.0014 ppm	-0.0248 ppm
Recovery Percentage 1	-1.710 %	191,751.202 %	-2.187 %	0.394 %	-0.888 %	-12.240 %	-47.676 %
Concentration RSD	120.4 %	**0.2 %**	24.5 %	12.9 %	141.7 %	30.8 %	3.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0069 ppm	-0.2006 ppm	0.0065 ppm	0.0001 ppm	**18.3692 ppm**	-0.0008 ppm	**9.5352 ppm**
Concentration per Run 1	-0.0070 ppm	-0.2200 ppm	0.0075 ppm	0.0001 ppm	18.3945 ppm	-0.0007 ppm	9.5459 ppm
Concentration per Run 2	-0.0052 ppm	-0.1969 ppm	0.0052 ppm	0.0001 ppm	18.4020 ppm	-0.0004 ppm	9.5475 ppm
Concentration per Run 3	-0.0085 ppm	-0.1849 ppm	0.0069 ppm	0.0001 ppm	18.3111 ppm	-0.0013 ppm	9.5124 ppm
Recovery Percentage 1	-68.859 %	-40.122 %	13.088 %	0.823 %	183,692.028 %	-3.951 %	95,352.464 %
Concentration RSD	24.4 %	8.9 %	18.8 %	41.9 %	**0.3 %**	56.6 %	**0.2 %**

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	101.5879 %	103.0784 %	92.2151 %	99.8243 %	101.2011 %	100.2214 %
Concentration per Run 1	0.0006 ppm	101.4086 %	102.8289 %	92.3155 %	99.5577 %	101.1780 %	99.8352 %
Concentration per Run 2	0.0003 ppm	101.4933 %	103.0885 %	92.2990 %	99.7421 %	101.0991 %	100.1084 %
Concentration per Run 3	0.0002 ppm	101.8619 %	103.3177 %	92.0308 %	100.1730 %	101.3262 %	100.7205 %
Recovery Percentage 1	7.641 %						
Concentration RSD	43.4 %	0.2 %	0.2 %	0.2 %	0.3 %	0.1 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: LDR Check
Analysis started at: 7/1/2025 7:53:30 AM
Rack 0
Vial 8
Comment LDR +/-10%

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0011 ppm	0.0353 ppm	5.9778 ppm	4.8582 ppm	9.6434 ppm	0.0020 ppm	0.0312 ppm
Concentration per Run 1	0.0011 ppm	0.0369 ppm	6.0061 ppm	4.8332 ppm	9.6779 ppm	0.0019 ppm	0.0308 ppm
Concentration per Run 2	0.0012 ppm	0.0411 ppm	5.9805 ppm	4.8539 ppm	9.6175 ppm	0.0020 ppm	0.0301 ppm
Concentration per Run 3	0.0009 ppm	0.0280 ppm	5.9470 ppm	4.8876 ppm	9.6347 ppm	0.0020 ppm	0.0327 ppm
Recovery Percentage 1			119.557 %	97.165 %	96.434 %		
Concentration RSD	13.5 %	18.9 %	0.5 %	0.6 %	0.3 %	0.2 %	4.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0016 ppm	0.0063 ppm	0.0019 ppm	18.9064 ppm	0.0067 ppm	282.3463 ppm	4.7040 ppm
Concentration per Run 1	0.0016 ppm	0.0066 ppm	0.0022 ppm	18.8713 ppm	0.0073 ppm	280.0418 ppm	4.6475 ppm
Concentration per Run 2	0.0016 ppm	0.0064 ppm	0.0017 ppm	18.9902 ppm	0.0064 ppm	283.5838 ppm	4.7302 ppm
Concentration per Run 3	0.0017 ppm	0.0060 ppm	0.0017 ppm	18.8576 ppm	0.0064 ppm	283.4134 ppm	4.7344 ppm
Recovery Percentage 1	0.000 %	0.000 %		94.532 %		94.115 %	
Concentration RSD	1.8 %	4.8 %	15.7 %	0.4 %	7.5 %	0.7 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0033 ppm	0.0016 ppm	4.9247 ppm	410.7711 [SIC 500]	9.7913 ppm	51.5180 ppm	0.0096 ppm
Concentration per Run 1	0.0045 ppm	0.0016 ppm	4.9091 ppm	409.8305 ppm	9.7593 ppm	51.8793 ppm	0.0085 ppm
Concentration per Run 2	0.0025 ppm	0.0016 ppm	4.9333 ppm	411.9001 ppm	9.7572 ppm	51.4752 ppm	0.0109 ppm
Concentration per Run 3	0.0027 ppm	0.0017 ppm	4.9318 ppm	410.5827 ppm	9.8574 ppm	51.1997 ppm	0.0093 ppm
Recovery Percentage 1		0.000 %	98.495 %	82.154 %	97.913 %	103.036 %	0.000 %
Concentration RSD	34.0 %	4.6 %	0.3 %	0.3 %	0.6 %	0.7 %	12.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0045 ppm	19.9998 ppm	0.0036 ppm	0.0022 ppm	0.0121 ppm	-0.0314 ppm	0.0015 ppm
Concentration per Run 1	0.0045 ppm	19.9544 ppm	0.0041 ppm	0.0023 ppm	0.0131 ppm	-0.0303 ppm	0.0015 ppm
Concentration per Run 2	0.0030 ppm	19.9850 ppm	0.0030 ppm	0.0022 ppm	0.0121 ppm	-0.0318 ppm	0.0010 ppm
Concentration per Run 3	0.0060 ppm	20.0599 ppm	0.0037 ppm	0.0022 ppm	0.0110 ppm	-0.0321 ppm	0.0019 ppm
Recovery Percentage 1	0.000 %	99.999 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	33.7 %	0.3 %	15.8 %	2.1 %	8.5 %	3.1 %	29.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	19.9533 ppm	85.8199 %	95.5475 %	74.3435 %	83.3045 %	93.7378 %	82.0634 %
Concentration per Run 1	19.9951 ppm	85.9126 %	95.1830 %	73.8878 %	83.5711 %	93.7889 %	81.9528 %
Concentration per Run 2	19.7679 ppm	85.7245 %	96.3083 %	74.3320 %	83.0884 %	94.0383 %	81.9703 %
Concentration per Run 3	20.0968 ppm	85.8225 %	95.1514 %	74.8106 %	83.2542 %	93.3862 %	82.2671 %
Recovery Percentage 1	99.766 %						
Concentration RSD	0.8 %	0.1 %	0.7 %	0.6 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: LDR As 5 pass
Analysis started at: 7/1/2025 8:16:15 AM
Rack 1
Vial 1
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	0.0005 ppm	4.5134 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0117 ppm
Concentration per Run 1	0.0005 ppm	-0.0023 ppm	4.5317 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0123 ppm
Concentration per Run 2	0.0004 ppm	0.0030 ppm	4.5032 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0106 ppm
Concentration per Run 3	0.0005 ppm	0.0007 ppm	4.5052 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0120 ppm
Concentration RSD	12.0 %	575.7 %	0.4 %	1,653.4 %	162.7 %	398.4 %	7.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0021 ppm	0.0074 ppm	0.0003 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0020 ppm	0.0103 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0022 ppm	0.0083 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0003 ppm	-0.0001 ppm	0.0022 ppm	0.0036 ppm	0.0001 ppm
Concentration RSD	93.2 %	377.0 %	39.9 %	51.3 %	7.1 %	46.6 %	63.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0006 ppm	0.0002 ppm	0.0017 ppm	0.0053 ppm	0.0003 ppm	-0.0002 ppm	0.0036 ppm
Concentration per Run 1	-0.0007 ppm	0.0002 ppm	0.0016 ppm	0.0039 ppm	0.0002 ppm	0.0007 ppm	0.0039 ppm
Concentration per Run 2	0.0007 ppm	0.0002 ppm	0.0016 ppm	0.0056 ppm	0.0006 ppm	-0.0007 ppm	0.0033 ppm
Concentration per Run 3	0.0018 ppm	0.0001 ppm	0.0017 ppm	0.0065 ppm	0.0003 ppm	-0.0006 ppm	0.0035 ppm
Concentration RSD	198.7 %	14.6 %	2.9 %	25.4 %	53.8 %	335.1 %	7.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	0.0032 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 1	0.0010 ppm	0.0026 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 2	0.0012 ppm	0.0026 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	-0.0004 ppm	0.0044 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	149.1 %	33.7 %	48.5 %	147.3 %	94.4 %	25.8 %	16.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0014 ppm	102.5719 %	102.1594 %	105.3075 %	101.3624 %	101.1612 %	103.0274 %
Concentration per Run 1	0.0014 ppm	101.1999 %	102.4855 %	104.9202 %	99.9255 %	101.5077 %	102.7459 %
Concentration per Run 2	0.0013 ppm	103.4319 %	101.9511 %	105.3590 %	102.1257 %	100.8085 %	103.1062 %
Concentration per Run 3	0.0014 ppm	103.0838 %	102.0416 %	105.6435 %	102.0359 %	101.1673 %	103.2301 %
Concentration RSD	3.7 %	1.2 %	0.3 %	0.3 %	1.2 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: LDR Fe 200 pass
Analysis started at: 7/1/2025 8:19:39 AM
Rack 1
Vial 2
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0015 ppm	-0.0023 ppm	0.0019 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0106 ppm
Concentration per Run 1	-0.0013 ppm	-0.0015 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0107 ppm
Concentration per Run 2	-0.0017 ppm	-0.0029 ppm	0.0026 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0100 ppm
Concentration per Run 3	-0.0016 ppm	-0.0024 ppm	0.0017 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0111 ppm
Concentration RSD	14.1 %	32.4 %	33.1 %	164.5 %	134.0 %	158.6 %	4.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0001 ppm	-0.0006 ppm	-0.0007 ppm	182.8784 ppm	-0.0156 ppm	0.0003 ppm
Concentration per Run 1	0.0015 ppm	-0.0001 ppm	-0.0009 ppm	-0.0009 ppm	183.2296 ppm	-0.0205 ppm	0.0002 ppm
Concentration per Run 2	0.0014 ppm	0.0005 ppm	-0.0006 ppm	-0.0006 ppm	183.0330 ppm	-0.0100 ppm	0.0003 ppm
Concentration per Run 3	0.0014 ppm	-0.0003 ppm	-0.0004 ppm	-0.0008 ppm	182.3725 ppm	-0.0162 ppm	0.0005 ppm
Concentration RSD	5.7 %	732.5 %	39.6 %	21.8 %	0.2 %	34.0 %	48.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0142 ppm	-0.0005 ppm	-0.0010 ppm	0.0016 ppm	-0.0010 ppm	-0.0004 ppm	-0.0047 ppm
Concentration per Run 1	0.0135 ppm	-0.0006 ppm	-0.0008 ppm	0.0007 ppm	-0.0017 ppm	-0.0003 ppm	-0.0022 ppm
Concentration per Run 2	0.0135 ppm	-0.0004 ppm	-0.0013 ppm	0.0035 ppm	0.0000 ppm	-0.0010 ppm	-0.0055 ppm
Concentration per Run 3	0.0157 ppm	-0.0005 ppm	-0.0010 ppm	0.0008 ppm	-0.0011 ppm	0.0001 ppm	-0.0063 ppm
Concentration RSD	8.9 %	16.0 %	24.2 %	95.5 %	88.6 %	130.2 %	45.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	0.0032 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	-0.0003 ppm	-0.0024 ppm
Concentration per Run 1	-0.0001 ppm	0.0028 ppm	0.0012 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run 2	-0.0008 ppm	0.0027 ppm	0.0013 ppm	0.0002 ppm	0.0000 ppm	-0.0004 ppm	-0.0022 ppm
Concentration per Run 3	-0.0004 ppm	0.0039 ppm	0.0014 ppm	0.0002 ppm	-0.0001 ppm	-0.0006 ppm	-0.0021 ppm
Concentration RSD	86.2 %	20.3 %	4.6 %	17.9 %	285.2 %	100.9 %	13.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	99.0578 %	101.5473 %	94.3637 %	96.9631 %	99.5094 %	99.3183 %
Concentration per Run 1	0.0003 ppm	99.2311 %	101.0961 %	94.7763 %	97.3065 %	99.2242 %	99.3047 %
Concentration per Run 2	0.0002 ppm	99.2769 %	101.6451 %	93.8744 %	97.0795 %	99.8184 %	99.0801 %
Concentration per Run 3	0.0001 ppm	98.6653 %	101.9008 %	94.4404 %	96.5034 %	99.4855 %	99.5701 %
Concentration RSD	31.9 %	0.3 %	0.4 %	0.5 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: LDR Mg 500 pass
Analysis started at: 7/1/2025 8:22:50 AM
Rack 1
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0004 ppm	0.0012 ppm	-0.0007 ppm	0.0016 ppm	0.0000 ppm	0.0270 ppm
Concentration per Run 1	0.0002 ppm	0.0020 ppm	0.0008 ppm	-0.0013 ppm	0.0016 ppm	0.0000 ppm	0.0291 ppm
Concentration per Run 2	0.0001 ppm	0.0003 ppm	0.0015 ppm	-0.0015 ppm	0.0016 ppm	0.0000 ppm	0.0261 ppm
Concentration per Run 3	0.0003 ppm	-0.0034 ppm	0.0013 ppm	0.0006 ppm	0.0016 ppm	0.0000 ppm	0.0257 ppm
Concentration RSD	64.6 %	733.0 %	30.1 %	156.7 %	1.0 %	126.0 %	6.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0004 ppm	0.0004 ppm	0.0084 ppm	0.0161 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	-0.0005 ppm	0.0005 ppm	0.0082 ppm	0.0146 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	-0.0004 ppm	0.0003 ppm	0.0082 ppm	0.0117 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0005 ppm	0.0087 ppm	0.0221 ppm	0.0004 ppm
Concentration RSD	6,352.1 %	172.1 %	33.6 %	19.8 %	3.5 %	33.4 %	41.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	486.0462 ppm	0.0005 ppm	-0.0001 ppm	0.0192 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 1	488.7257 ppm	0.0005 ppm	-0.0002 ppm	0.0208 ppm	0.0005 ppm	0.0008 ppm	0.0005 ppm
Concentration per Run 2	485.6536 ppm	0.0006 ppm	0.0000 ppm	0.0188 ppm	0.0001 ppm	0.0003 ppm	-0.0009 ppm
Concentration per Run 3	483.7591 ppm	0.0006 ppm	-0.0002 ppm	0.0179 ppm	0.0007 ppm	0.0002 ppm	0.0004 ppm
Concentration RSD	0.5 %	6.6 %	112.9 %	7.9 %	64.8 %	82.0 %	7,691.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	0.0031 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	0.0035 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 2	0.0004 ppm	0.0035 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	-0.0025 ppm	0.0023 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm
Concentration RSD	199.1 %	22.4 %	91.7 %	16.7 %	124.4 %	833.4 %	594.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0032 ppm	88.4962 %	95.2515 %	78.4914 %	88.4206 %	95.2396 %	89.4948 %
Concentration per Run 1	-0.0032 ppm	88.1898 %	94.9240 %	79.0082 %	88.3589 %	95.1950 %	90.0141 %
Concentration per Run 2	-0.0034 ppm	87.9822 %	95.7037 %	78.7633 %	88.0500 %	95.2640 %	89.7454 %
Concentration per Run 3	-0.0031 ppm	89.3165 %	95.1268 %	77.7026 %	88.8529 %	95.2597 %	88.7249 %
Concentration RSD	4.2 %	0.8 %	0.4 %	0.9 %	0.5 %	0.0 %	0.8 %

LabBook: WG2085565_07012025T9.imexp

Sample: xLDR Na 500
Analysis started at: 7/1/2025 8:26:01 AM
Rack 1
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0007 ppm	0.0009 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0085 ppm
Concentration per Run 1	0.0000 ppm	-0.0008 ppm	-0.0004 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 2	-0.0002 ppm	0.0013 ppm	0.0015 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run 3	0.0002 ppm	-0.0026 ppm	0.0016 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0084 ppm
Concentration RSD	1,534.2 %	265.2 %	122.6 %	179.0 %	146.8 %	591.9 %	6.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0032 ppm	0.0807 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0034 ppm	0.0864 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0032 ppm	0.0736 ppm	0.0000 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0004 ppm	0.0031 ppm	0.0820 ppm	-0.0003 ppm
Concentration RSD	51.2 %	89.1 %	40.2 %	55.8 %	5.7 %	8.0 %	5,202.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0130 ppm	0.0003 ppm	-0.0001 ppm	**411.9517 [SIC 500]**	-0.0001 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 1	0.0153 ppm	0.0003 ppm	-0.0003 ppm	409.9417 ppm	-0.0002 ppm	0.0006 ppm	0.0028 ppm
Concentration per Run 2	0.0122 ppm	0.0004 ppm	0.0000 ppm	412.5332 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0116 ppm	0.0003 ppm	0.0000 ppm	413.3803 ppm	-0.0002 ppm	0.0001 ppm	0.0010 ppm
Concentration RSD	15.3 %	18.0 %	239.6 %	0.4 %	169.8 %	1,645.3 %	109.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0006 ppm	0.0012 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0017 ppm	0.0015 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0013 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0008 ppm	-0.0008 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	158.0 %	31.7 %	363.3 %	217.3 %	40.9 %	87.5 %	40.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0106 ppm	87.9340 %	96.6969 %	79.1859 %	85.4974 %	94.7916 %	89.0890 %
Concentration per Run 1	0.0110 ppm	87.6420 %	97.0934 %	79.3191 %	85.2562 %	95.6235 %	89.3491 %
Concentration per Run 2	0.0107 ppm	88.5227 %	97.1139 %	79.1483 %	86.0236 %	94.5692 %	88.8926 %
Concentration per Run 3	0.0101 ppm	87.6373 %	95.8834 %	79.0904 %	85.2123 %	94.1820 %	89.0254 %
Concentration RSD	4.3 %	0.6 %	0.7 %	0.2 %	0.5 %	0.8 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 8:33:53 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4948 ppm	0.4776 ppm	0.4480 ppm	0.4670 ppm	0.4895 ppm	0.4916 ppm	0.4827 ppm
Concentration per Run 1	0.4944 ppm	0.4786 ppm	0.4464 ppm	0.4645 ppm	0.4883 ppm	0.4910 ppm	0.4788 ppm
Concentration per Run 2	0.4933 ppm	0.4705 ppm	0.4484 ppm	0.4660 ppm	0.4901 ppm	0.4912 ppm	0.4833 ppm
Concentration per Run 3	0.4966 ppm	0.4838 ppm	0.4491 ppm	0.4705 ppm	0.4900 ppm	0.4927 ppm	0.4860 ppm
Recovery Percentage 1	98.956 %	95.525 %	89.597 %	93.402 %	97.893 %	98.326 %	96.545 %
Concentration RSD	0.3 %	1.4 %	0.3 %	0.7 %	0.2 %	0.2 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4606 ppm	0.4749 ppm	0.4816 ppm	0.4994 ppm	0.4927 ppm	5.1582 ppm	0.5100 ppm
Concentration per Run 1	0.4602 ppm	0.4764 ppm	0.4806 ppm	0.5010 ppm	0.4913 ppm	5.0920 ppm	0.5004 ppm
Concentration per Run 2	0.4639 ppm	0.4757 ppm	0.4834 ppm	0.4967 ppm	0.4954 ppm	5.1956 ppm	0.5163 ppm
Concentration per Run 3	0.4577 ppm	0.4725 ppm	0.4810 ppm	0.5006 ppm	0.4914 ppm	5.1870 ppm	0.5132 ppm
Recovery Percentage 1	92.120 %	94.973 %	96.330 %	99.885 %	98.544 %	103.164 %	101.999 %
Concentration RSD	0.7 %	0.4 %	0.3 %	0.5 %	0.5 %	1.1 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4815 ppm	0.4901 ppm	0.4638 ppm	10.2357 ppm	0.4891 ppm	0.4794 ppm	0.4955 ppm
Concentration per Run 1	0.4822 ppm	0.4911 ppm	0.4642 ppm	10.1776 ppm	0.4875 ppm	0.4754 ppm	0.5011 ppm
Concentration per Run 2	0.4806 ppm	0.4882 ppm	0.4640 ppm	10.2814 ppm	0.4935 ppm	0.4817 ppm	0.4948 ppm
Concentration per Run 3	0.4819 ppm	0.4910 ppm	0.4631 ppm	10.2481 ppm	0.4863 ppm	0.4811 ppm	0.4907 ppm
Recovery Percentage 1	96.307 %	98.020 %	92.754 %	102.357 %	97.812 %	95.879 %	99.104 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.5 %	0.8 %	0.7 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4658 ppm	5.1485 ppm	0.4813 ppm	0.4927 ppm	0.4739 ppm	0.4951 ppm	0.4892 ppm
Concentration per Run 1	0.4631 ppm	5.1391 ppm	0.4813 ppm	0.4934 ppm	0.4717 ppm	0.4912 ppm	0.4899 ppm
Concentration per Run 2	0.4691 ppm	5.1558 ppm	0.4863 ppm	0.4922 ppm	0.4749 ppm	0.4946 ppm	0.4905 ppm
Concentration per Run 3	0.4653 ppm	5.1506 ppm	0.4764 ppm	0.4925 ppm	0.4750 ppm	0.4994 ppm	0.4873 ppm
Recovery Percentage 1	93.162 %	98.066 %	96.266 %	98.545 %	94.772 %	99.018 %	97.849 %
Concentration RSD	0.6 %	0.2 %	1.0 %	0.1 %	0.4 %	0.8 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4814 ppm	99.2531 %	101.7201 %	97.5918 %	97.2816 %	100.4790 %	98.6920 %
Concentration per Run 1	0.4814 ppm	99.6573 %	102.2823 %	98.6362 %	98.1560 %	100.9831 %	99.2697 %
Concentration per Run 2	0.4861 ppm	98.9190 %	102.0574 %	97.2171 %	96.5147 %	100.6280 %	98.4072 %
Concentration per Run 3	0.4768 ppm	99.1831 %	100.8205 %	96.9221 %	97.1740 %	99.8261 %	98.3991 %
Recovery Percentage 1	96.289 %						
Concentration RSD	1.0 %	0.4 %	0.8 %	0.9 %	0.8 %	0.6 %	0.5 %

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:37:11 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0003 ppm	0.0011 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0002 ppm	-0.0028 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 2	-0.0002 ppm	-0.0038 ppm	0.0022 ppm	-0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 3	0.0002 ppm	0.0057 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	1.189 %	-0.288 %	21.325 %	-1.301 %	0.393 %	0.149 %	0.152 %
Concentration RSD	290.0 %	1,823.0 %	94.4 %	98.3 %	240.2 %	425.9 %	855.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0001 ppm	-0.0002 ppm	0.0057 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0124 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0005 ppm	0.0005 ppm	-0.0002 ppm	-0.0009 ppm	0.0041 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0003 ppm
Recovery Percentage 1	0.431 %	0.926 %	3.050 %	-0.907 %	-0.448 %	0.228 %	7.185 %
Concentration RSD	143.6 %	222.1 %	76.3 %	124.5 %	305.1 %	106.0 %	34.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0007 ppm	0.0000 ppm	0.0019 ppm	0.0045 ppm	-0.0001 ppm	-0.0002 ppm	0.0018 ppm
Concentration per Run 1	-0.0006 ppm	0.0001 ppm	0.0020 ppm	0.0042 ppm	0.0001 ppm	0.0001 ppm	0.0025 ppm
Concentration per Run 2	-0.0005 ppm	-0.0001 ppm	0.0019 ppm	0.0043 ppm	-0.0002 ppm	-0.0002 ppm	0.0005 ppm
Concentration per Run 3	-0.0010 ppm	-0.0001 ppm	0.0019 ppm	0.0051 ppm	-0.0003 ppm	-0.0003 ppm	0.0023 ppm
Recovery Percentage 1	-0.696 %	-0.199 %	3.884 %	0.226 %	-0.518 %	-1.606 %	3.503 %
Concentration RSD	35.1 %	363.4 %	2.3 %	10.7 %	176.7 %	130.3 %	64.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	0.0011 ppm	0.0010 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 1	0.0008 ppm	0.0013 ppm	0.0012 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0022 ppm	0.0011 ppm	0.0012 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0028 ppm	0.0011 ppm	0.0005 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	-0.0001 ppm
Recovery Percentage 1	19.037 %	0.226 %	1.944 %	0.257 %	3.209 %	3.041 %	-0.021 %
Concentration RSD	54.2 %	9.7 %	39.0 %	135.7 %	34.6 %	64.1 %	4,408.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.2657 %	101.2920 %	100.7997 %	100.6509 %	101.7980 %	101.2099 %
Concentration per Run 1	0.0001 ppm	98.8327 %	101.0074 %	100.8756 %	99.4957 %	101.6165 %	101.2235 %
Concentration per Run 2	0.0002 ppm	100.8390 %	101.8654 %	101.0141 %	101.0355 %	102.3185 %	101.5243 %
Concentration per Run 3	0.0002 ppm	101.1253 %	101.0033 %	100.5094 %	101.4216 %	101.4589 %	100.8820 %
Recovery Percentage 1	2.913 %						
Concentration RSD	53.6 %	1.2 %	0.5 %	0.3 %	1.0 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: zLDR Sr 10 pass
Analysis started at: 7/1/2025 9:06:59 AM
Rack 1
Vial 9
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0024 ppm	0.0008 ppm	-0.0005 ppm	-0.0094 ppm	0.0000 ppm	0.0092 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	-0.0005 ppm	-0.0004 ppm	-0.0093 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	0.0011 ppm	-0.0001 ppm	-0.0094 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 3	-0.0001 ppm	0.0017 ppm	0.0020 ppm	-0.0012 ppm	-0.0094 ppm	0.0000 ppm	0.0112 ppm
Concentration RSD	653.9 %	106.0 %	146.6 %	107.6 %	0.8 %	131.9 %	20.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0036 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0070 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0018 ppm	0.0042 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	-0.0005 ppm	0.0004 ppm
Concentration RSD	188.3 %	100.0 %	24.7 %	312.2 %	68.4 %	104.9 %	3,078.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0006 ppm	0.0001 ppm	-0.0003 ppm	0.0042 ppm	-0.0001 ppm	-0.0002 ppm	-0.0012 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0036 ppm	-0.0005 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run 2	0.0015 ppm	0.0002 ppm	-0.0004 ppm	0.0045 ppm	-0.0001 ppm	-0.0001 ppm	-0.0033 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0044 ppm	0.0003 ppm	-0.0006 ppm	-0.0016 ppm
Concentration RSD	132.6 %	152.1 %	98.6 %	12.1 %	354.0 %	165.0 %	196.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0005 ppm	9.8517 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	-0.0016 ppm	-0.0002 ppm	0.0006 ppm	9.8115 ppm	0.0002 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0018 ppm	0.0001 ppm	9.8494 ppm	0.0000 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 3	0.0012 ppm	0.0004 ppm	0.0007 ppm	9.8942 ppm	0.0000 ppm	0.0011 ppm	0.0000 ppm
Concentration RSD	2,479.0 %	156.6 %	77.2 %	0.4 %	180.4 %	1,225.2 %	117.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	101.0648 %	102.6939 %	101.3339 %	101.4948 %	103.1323 %	102.2210 %
Concentration per Run 1	0.0004 ppm	100.9431 %	103.1030 %	101.3283 %	101.1924 %	103.8633 %	102.1577 %
Concentration per Run 2	0.0006 ppm	101.4811 %	103.2081 %	100.8432 %	102.3295 %	103.7961 %	101.8923 %
Concentration per Run 3	0.0007 ppm	100.7701 %	101.7705 %	101.8303 %	100.9624 %	101.7375 %	102.6130 %
Concentration RSD	25.5 %	0.4 %	0.8 %	0.5 %	0.7 %	1.2 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539538-01d100 WG2085387
Analysis started at: 7/1/2025 9:10:18 AM
Rack 1
Vial 5
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0022 ppm	0.0009 ppm	-0.0006 ppm	0.2266 ppm	0.0000 ppm	17.6451 ppm
Concentration per Run 1	0.0004 ppm	-0.0052 ppm	0.0018 ppm	0.0001 ppm	0.2270 ppm	0.0000 ppm	17.7064 ppm
Concentration per Run 2	0.0002 ppm	-0.0010 ppm	-0.0005 ppm	-0.0010 ppm	0.2261 ppm	0.0000 ppm	17.5784 ppm
Concentration per Run 3	0.0001 ppm	-0.0005 ppm	0.0013 ppm	-0.0008 ppm	0.2267 ppm	0.0000 ppm	17.6506 ppm
Concentration RSD	68.4 %	113.9 %	134.9 %	101.3 %	0.2 %	325.5 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	18.7565 ppm	0.7699 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0004 ppm	0.0015 ppm	18.9711 ppm	0.7841 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0003 ppm	-0.0006 ppm	19.0025 ppm	0.7698 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0011 ppm	18.2959 ppm	0.7559 ppm
Concentration RSD	89.2 %	223.2 %	81.8 %	124.8 %	162.5 %	2.1 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.1859 ppm	6.1030 ppm	-0.0005 ppm	3.0072 ppm	0.0001 ppm	-0.0004 ppm	-0.0008 ppm
Concentration per Run 1	0.1857 ppm	6.1220 ppm	-0.0007 ppm	3.0426 ppm	0.0005 ppm	-0.0001 ppm	-0.0019 ppm
Concentration per Run 2	0.1855 ppm	6.0757 ppm	-0.0002 ppm	3.0405 ppm	0.0004 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.1866 ppm	6.1113 ppm	-0.0007 ppm	2.9384 ppm	-0.0005 ppm	-0.0004 ppm	-0.0008 ppm
Concentration RSD	0.3 %	0.4 %	54.6 %	2.0 %	383.3 %	66.2 %	120.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0015 ppm	0.0012 ppm	0.0001 ppm	19.9752 ppm	-0.0001 ppm	-0.0051 ppm	-0.0004 ppm
Concentration per Run 1	-0.0031 ppm	0.0002 ppm	0.0007 ppm	19.9889 ppm	-0.0002 ppm	-0.0053 ppm	-0.0006 ppm
Concentration per Run 2	-0.0019 ppm	0.0007 ppm	0.0000 ppm	19.9755 ppm	0.0000 ppm	-0.0050 ppm	-0.0003 ppm
Concentration per Run 3	0.0003 ppm	0.0029 ppm	-0.0004 ppm	19.9612 ppm	-0.0001 ppm	-0.0050 ppm	-0.0003 ppm
Concentration RSD	110.5 %	115.3 %	551.7 %	0.1 %	125.9 %	3.6 %	43.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	98.0895 %	101.0160 %	95.8158 %	96.8603 %	100.3312 %	98.1977 %
Concentration per Run 1	0.0004 ppm	98.1411 %	100.6614 %	95.6217 %	96.8787 %	100.0871 %	98.2404 %
Concentration per Run 2	0.0005 ppm	98.6229 %	101.5847 %	95.6566 %	97.1653 %	100.8703 %	97.9925 %
Concentration per Run 3	0.0004 ppm	97.5044 %	100.8019 %	96.1690 %	96.5367 %	100.0362 %	98.3602 %
Concentration RSD	17.7 %	0.6 %	0.5 %	0.3 %	0.3 %	0.5 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539538-02d100 WG2085387
Analysis started at: 7/1/2025 9:13:30 AM
Rack 1
Vial 6
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0058 ppm	0.0007 ppm	-0.0006 ppm	0.0067 ppm	0.0000 ppm	31.8344 ppm
Concentration per Run 1	0.0001 ppm	-0.0041 ppm	0.0012 ppm	-0.0002 ppm	0.0067 ppm	0.0000 ppm	31.7005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0062 ppm	0.0000 ppm	-0.0008 ppm	0.0067 ppm	0.0000 ppm	31.9046 ppm
Concentration per Run 3	-0.0001 ppm	-0.0071 ppm	0.0011 ppm	-0.0007 ppm	0.0067 ppm	0.0000 ppm	31.8983 ppm
Concentration RSD	307.7 %	26.2 %	91.9 %	51.5 %	0.3 %	82.7 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	6.7543 ppm	1.6299 ppm
Concentration per Run 1	-0.0002 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	6.7314 ppm	1.6307 ppm
Concentration per Run 2	-0.0002 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	0.0015 ppm	6.7167 ppm	1.6121 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0011 ppm	6.8148 ppm	1.6468 ppm
Concentration RSD	17.0 %	572.6 %	966.6 %	1,511.6 %	23.2 %	0.8 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.3945 ppm	0.2755 ppm	-0.0001 ppm	0.2294 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm
Concentration per Run 1	0.3961 ppm	0.2750 ppm	0.0001 ppm	0.2272 ppm	0.0003 ppm	0.0001 ppm	-0.0019 ppm
Concentration per Run 2	0.3930 ppm	0.2754 ppm	-0.0002 ppm	0.2296 ppm	0.0001 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run 3	0.3945 ppm	0.2762 ppm	-0.0001 ppm	0.2313 ppm	-0.0008 ppm	-0.0002 ppm	-0.0002 ppm
Concentration RSD	0.4 %	0.2 %	244.7 %	0.9 %	420.7 %	139.2 %	97.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	0.0014 ppm	0.0001 ppm	0.9247 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run 1	-0.0010 ppm	0.0017 ppm	-0.0001 ppm	0.9240 ppm	0.0001 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run 2	0.0014 ppm	0.0009 ppm	0.0004 ppm	0.9223 ppm	0.0002 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 3	0.0011 ppm	0.0017 ppm	0.0000 ppm	0.9278 ppm	0.0001 ppm	-0.0008 ppm	-0.0001 ppm
Concentration RSD	269.3 %	29.8 %	200.1 %	0.3 %	24.6 %	49.6 %	64.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	99.2577 %	100.8964 %	96.6351 %	98.5781 %	100.7012 %	99.3306 %
Concentration per Run 1	0.0002 ppm	98.2041 %	100.7949 %	96.4023 %	97.9382 %	100.3100 %	99.3828 %
Concentration per Run 2	0.0002 ppm	100.1359 %	101.2787 %	97.0757 %	99.3289 %	101.0442 %	99.5809 %
Concentration per Run 3	0.0004 ppm	99.4331 %	100.6154 %	96.4274 %	98.4671 %	100.7494 %	99.0283 %
Concentration RSD	46.2 %	1.0 %	0.3 %	0.4 %	0.7 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539538-03d100 WG2085387
Analysis started at: 7/1/2025 9:16:43 AM
Rack 1
Vial 7
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0044 ppm	0.0009 ppm	0.0000 ppm	0.0230 ppm	0.0000 ppm	55.3340 ppm
Concentration per Run 1	-0.0001 ppm	-0.0047 ppm	0.0005 ppm	-0.0011 ppm	0.0229 ppm	0.0000 ppm	55.4444 ppm
Concentration per Run 2	-0.0001 ppm	-0.0061 ppm	0.0024 ppm	-0.0001 ppm	0.0229 ppm	0.0000 ppm	55.2350 ppm
Concentration per Run 3	0.0000 ppm	-0.0023 ppm	-0.0003 ppm	0.0011 ppm	0.0230 ppm	0.0000 ppm	55.3227 ppm
Concentration RSD	42.8 %	43.2 %	161.8 %	11,826.5 %	0.3 %	827.8 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm	8.8020 ppm	1.8548 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0010 ppm	8.6416 ppm	1.8324 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0011 ppm	8.8947 ppm	1.8717 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0019 ppm	8.8698 ppm	1.8602 ppm
Concentration RSD	10.1 %	488.7 %	760.1 %	1,099.9 %	36.1 %	1.6 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4707 ppm	0.6514 ppm	-0.0002 ppm	0.4402 ppm	0.0000 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run 1	0.4742 ppm	0.6533 ppm	-0.0001 ppm	0.4342 ppm	-0.0002 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run 2	0.4713 ppm	0.6494 ppm	-0.0003 ppm	0.4424 ppm	0.0002 ppm	-0.0006 ppm	-0.0013 ppm
Concentration per Run 3	0.4665 ppm	0.6516 ppm	-0.0003 ppm	0.4438 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm
Concentration RSD	0.8 %	0.3 %	41.2 %	1.2 %	4,331.8 %	230.8 %	178.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0011 ppm	0.0020 ppm	0.0004 ppm	3.9641 ppm	0.0000 ppm	-0.0009 ppm	-0.0001 ppm
Concentration per Run 1	-0.0004 ppm	0.0016 ppm	-0.0001 ppm	3.9535 ppm	0.0000 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 2	-0.0019 ppm	0.0030 ppm	0.0008 ppm	3.9698 ppm	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run 3	-0.0011 ppm	0.0013 ppm	0.0006 ppm	3.9690 ppm	0.0002 ppm	-0.0014 ppm	-0.0003 ppm
Concentration RSD	62.9 %	45.8 %	105.3 %	0.2 %	511.6 %	62.8 %	117.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	97.9225 %	100.2818 %	93.1482 %	97.0531 %	100.0809 %	96.8855 %
Concentration per Run 1	0.0003 ppm	98.0233 %	100.2424 %	93.4221 %	97.4652 %	99.9334 %	97.2823 %
Concentration per Run 2	0.0004 ppm	98.1055 %	100.1005 %	93.5774 %	97.2204 %	99.8050 %	97.1090 %
Concentration per Run 3	0.0004 ppm	97.6387 %	100.5024 %	92.4452 %	96.4737 %	100.5042 %	96.2652 %
Concentration RSD	23.0 %	0.3 %	0.2 %	0.7 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539538-04d100 WG2085387
Analysis started at: 7/1/2025 9:19:55 AM
Rack 1
Vial 8
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0018 ppm	0.0004 ppm	-0.0004 ppm	0.0055 ppm	0.0000 ppm	32.0765 ppm
Concentration per Run 1	0.0000 ppm	-0.0013 ppm	0.0013 ppm	-0.0005 ppm	0.0055 ppm	0.0000 ppm	32.0913 ppm
Concentration per Run 2	0.0000 ppm	-0.0012 ppm	0.0004 ppm	-0.0005 ppm	0.0055 ppm	0.0000 ppm	32.0240 ppm
Concentration per Run 3	0.0001 ppm	-0.0029 ppm	-0.0005 ppm	-0.0002 ppm	0.0055 ppm	0.0000 ppm	32.1142 ppm
Concentration RSD	61.6 %	52.7 %	231.9 %	52.4 %	0.5 %	282.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	7.1396 ppm	1.7281 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	7.1024 ppm	1.7206 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm	7.1344 ppm	1.7164 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	7.1820 ppm	1.7473 ppm
Concentration RSD	20.2 %	111.8 %	24.9 %	256.7 %	127.0 %	0.6 %	1.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4221 ppm	0.2591 ppm	-0.0001 ppm	0.2309 ppm	-0.0003 ppm	-0.0009 ppm	-0.0013 ppm
Concentration per Run 1	0.4235 ppm	0.2589 ppm	-0.0002 ppm	0.2316 ppm	0.0000 ppm	-0.0007 ppm	-0.0013 ppm
Concentration per Run 2	0.4213 ppm	0.2588 ppm	-0.0003 ppm	0.2301 ppm	-0.0005 ppm	-0.0011 ppm	-0.0029 ppm
Concentration per Run 3	0.4216 ppm	0.2595 ppm	0.0001 ppm	0.2312 ppm	-0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration RSD	0.3 %	0.2 %	176.2 %	0.3 %	99.6 %	21.8 %	121.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0007 ppm	0.0001 ppm	0.6646 ppm	0.0000 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0011 ppm	0.0009 ppm	0.6648 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0007 ppm	-0.0003 ppm	0.6637 ppm	0.0000 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run 3	-0.0004 ppm	0.0004 ppm	-0.0004 ppm	0.6653 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm
Concentration RSD	89.0 %	43.9 %	1,002.6 %	0.1 %	396.4 %	77.9 %	42.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0005 ppm	98.7795 %	102.1408 %	96.0758 %	98.2302 %	101.5118 %	98.6267 %
Concentration per Run 1	0.0005 ppm	98.8454 %	102.2508 %	96.3253 %	98.9316 %	101.8991 %	98.8221 %
Concentration per Run 2	0.0006 ppm	98.5843 %	102.2468 %	95.2738 %	97.5066 %	101.3885 %	98.1451 %
Concentration per Run 3	0.0005 ppm	98.9087 %	101.9249 %	96.6284 %	98.2523 %	101.2477 %	98.9130 %
Concentration RSD	19.3 %	0.2 %	0.2 %	0.7 %	0.7 %	0.3 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 9:23:08 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4876 ppm	0.4723 ppm	0.4478 ppm	0.4628 ppm	0.4857 ppm	0.4904 ppm	0.4788 ppm
Concentration per Run 1	0.4879 ppm	0.4710 ppm	0.4476 ppm	0.4631 ppm	0.4840 ppm	0.4898 ppm	0.4783 ppm
Concentration per Run 2	0.4875 ppm	0.4745 ppm	0.4489 ppm	0.4629 ppm	0.4863 ppm	0.4899 ppm	0.4790 ppm
Concentration per Run 3	0.4872 ppm	0.4713 ppm	0.4469 ppm	0.4623 ppm	0.4869 ppm	0.4914 ppm	0.4790 ppm
Recovery Percentage 1	97.510 %	94.459 %	89.560 %	92.557 %	97.143 %	98.072 %	95.752 %
Concentration RSD	0.1 %	0.4 %	0.2 %	0.1 %	0.3 %	0.2 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4551 ppm	0.4708 ppm	0.4762 ppm	0.4934 ppm	0.4930 ppm	5.0525 ppm	0.4934 ppm
Concentration per Run 1	0.4536 ppm	0.4709 ppm	0.4745 ppm	0.4956 ppm	0.4921 ppm	5.0323 ppm	0.4912 ppm
Concentration per Run 2	0.4584 ppm	0.4726 ppm	0.4783 ppm	0.4928 ppm	0.4937 ppm	5.0856 ppm	0.4938 ppm
Concentration per Run 3	0.4533 ppm	0.4689 ppm	0.4759 ppm	0.4918 ppm	0.4932 ppm	5.0395 ppm	0.4951 ppm
Recovery Percentage 1	91.021 %	94.160 %	95.250 %	98.683 %	98.601 %	101.050 %	98.670 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.4 %	0.2 %	0.6 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4779 ppm	0.4859 ppm	0.4607 ppm	9.9295 ppm	0.4838 ppm	0.4809 ppm	0.4913 ppm
Concentration per Run 1	0.4755 ppm	0.4845 ppm	0.4605 ppm	9.9673 ppm	0.4807 ppm	0.4801 ppm	0.4929 ppm
Concentration per Run 2	0.4811 ppm	0.4862 ppm	0.4620 ppm	9.8706 ppm	0.4853 ppm	0.4782 ppm	0.4883 ppm
Concentration per Run 3	0.4771 ppm	0.4869 ppm	0.4595 ppm	9.9505 ppm	0.4855 ppm	0.4844 ppm	0.4928 ppm
Recovery Percentage 1	95.585 %	97.182 %	92.140 %	99.295 %	96.764 %	96.185 %	98.264 %
Concentration RSD	0.6 %	0.3 %	0.3 %	0.5 %	0.6 %	0.7 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4613 ppm	5.0545 ppm	0.4887 ppm	0.4907 ppm	0.4727 ppm	0.4937 ppm	0.4863 ppm
Concentration per Run 1	0.4574 ppm	5.0600 ppm	0.4850 ppm	0.4886 ppm	0.4713 ppm	0.4928 ppm	0.4863 ppm
Concentration per Run 2	0.4626 ppm	5.0744 ppm	0.4911 ppm	0.4920 ppm	0.4728 ppm	0.4944 ppm	0.4877 ppm
Concentration per Run 3	0.4638 ppm	5.0292 ppm	0.4900 ppm	0.4916 ppm	0.4740 ppm	0.4938 ppm	0.4849 ppm
Recovery Percentage 1	92.256 %	96.276 %	97.733 %	98.141 %	94.539 %	98.730 %	97.261 %
Concentration RSD	0.7 %	0.5 %	0.7 %	0.4 %	0.3 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4757 ppm	101.3009 %	102.6652 %	98.4055 %	99.1093 %	101.0393 %	100.1392 %
Concentration per Run 1	0.4721 ppm	101.7317 %	102.7571 %	99.0519 %	99.5819 %	100.9469 %	100.5319 %
Concentration per Run 2	0.4795 ppm	100.8710 %	103.2344 %	98.1441 %	98.8802 %	101.5106 %	99.8792 %
Concentration per Run 3	0.4755 ppm	101.3000 %	102.0040 %	98.0203 %	98.8657 %	100.6605 %	100.0065 %
Recovery Percentage 1	95.146 %						
Concentration RSD	0.8 %	0.4 %	0.6 %	0.6 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 9:26:21 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	0.0002 ppm	0.0002 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0017 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0040 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Recovery Percentage 1	1.176 %	-0.670 %	10.883 %	0.005 %	-0.083 %	0.004 %	0.585 %
Concentration RSD	93.0 %	441.4 %	114.9 %	8,507.2 %	190.8 %	11,082.6 %	178.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0018 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	-0.0002 ppm	-0.0001 ppm	-0.0004 ppm	-0.0071 ppm	-0.0001 ppm
Concentration per Run 2	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0034 ppm	0.0000 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0050 ppm	-0.0005 ppm
Recovery Percentage 1	1.177 %	1.247 %	-0.289 %	-0.873 %	-0.030 %	-0.073 %	-4.126 %
Concentration RSD	61.6 %	152.7 %	433.7 %	77.2 %	2,324.7 %	338.1 %	132.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0009 ppm	0.0000 ppm	0.0020 ppm	0.0015 ppm	-0.0004 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run 1	-0.0025 ppm	-0.0001 ppm	0.0023 ppm	0.0026 ppm	-0.0006 ppm	-0.0003 ppm	0.0005 ppm
Concentration per Run 2	-0.0002 ppm	-0.0001 ppm	0.0020 ppm	0.0005 ppm	-0.0006 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0018 ppm	0.0014 ppm	0.0000 ppm	-0.0008 ppm	-0.0007 ppm
Recovery Percentage 1	-0.899 %	-0.458 %	4.083 %	0.075 %	-1.640 %	-3.498 %	0.911 %
Concentration RSD	157.0 %	64.3 %	11.4 %	70.3 %	90.6 %	135.6 %	252.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	0.0013 ppm	0.0008 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	-0.0001 ppm
Concentration per Run 1	0.0021 ppm	0.0029 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 2	0.0018 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run 3	0.0027 ppm	0.0007 ppm	0.0017 ppm	0.0000 ppm	0.0004 ppm	0.0006 ppm	-0.0001 ppm
Recovery Percentage 1	22.305 %	0.258 %	1.537 %	0.641 %	2.523 %	2.367 %	-0.795 %
Concentration RSD	21.0 %	107.3 %	105.5 %	89.2 %	67.8 %	15.1 %	83.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.1939 %	102.4615 %	102.8686 %	101.3502 %	102.6336 %	103.5188 %
Concentration per Run 1	0.0001 ppm	101.4580 %	102.2256 %	103.3727 %	102.2945 %	102.8260 %	103.4510 %
Concentration per Run 2	-0.0001 ppm	100.8005 %	103.0944 %	102.2762 %	100.6865 %	102.5076 %	103.1893 %
Concentration per Run 3	0.0002 ppm	101.3231 %	102.0646 %	102.9568 %	101.0696 %	102.5671 %	103.9161 %
Recovery Percentage 1	1.480 %						
Concentration RSD	222.9 %	0.3 %	0.5 %	0.5 %	0.8 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2082283-2 WG2082283
Analysis started at: 7/1/2025 9:31:30 AM
Rack 1
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0543 ppm	2.2712 ppm	0.1160 ppm	0.9389 ppm	2.1754 ppm	0.0539 ppm	9.9351 ppm
Concentration per Run 1	0.0539 ppm	2.2745 ppm	0.1163 ppm	0.9381 ppm	2.1710 ppm	0.0538 ppm	9.9016 ppm
Concentration per Run 2	0.0545 ppm	2.2584 ppm	0.1150 ppm	0.9333 ppm	2.1825 ppm	0.0539 ppm	9.9440 ppm
Concentration per Run 3	0.0544 ppm	2.2807 ppm	0.1166 ppm	0.9453 ppm	2.1726 ppm	0.0539 ppm	9.9596 ppm
Concentration RSD	0.5 %	0.5 %	0.7 %	0.6 %	0.3 %	0.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0472 ppm	0.5043 ppm	0.2076 ppm	0.2695 ppm	1.0908 ppm	10.9730 ppm	-0.0001 ppm
Concentration per Run 1	0.0473 ppm	0.5043 ppm	0.2082 ppm	0.2685 ppm	1.0928 ppm	11.0777 ppm	-0.0002 ppm
Concentration per Run 2	0.0473 ppm	0.5049 ppm	0.2062 ppm	0.2703 ppm	1.0875 ppm	10.9157 ppm	0.0001 ppm
Concentration per Run 3	0.0469 ppm	0.5037 ppm	0.2083 ppm	0.2697 ppm	1.0922 ppm	10.9257 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.1 %	0.6 %	0.3 %	0.3 %	0.8 %	311.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.7815 ppm	0.5313 ppm	0.9369 ppm	10.9631 ppm	0.5271 ppm	0.5182 ppm	0.3974 ppm
Concentration per Run 1	9.7681 ppm	0.5291 ppm	0.9348 ppm	11.1119 ppm	0.5262 ppm	0.5179 ppm	0.3938 ppm
Concentration per Run 2	9.7841 ppm	0.5306 ppm	0.9341 ppm	10.9897 ppm	0.5247 ppm	0.5178 ppm	0.3961 ppm
Concentration per Run 3	9.7922 ppm	0.5341 ppm	0.9417 ppm	10.7878 ppm	0.5303 ppm	0.5190 ppm	0.4024 ppm
Concentration RSD	0.1 %	0.5 %	0.4 %	1.5 %	0.6 %	0.1 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1169 ppm	1.0520 ppm	0.9415 ppm	0.9928 ppm	0.9712 ppm	0.1208 ppm	0.5440 ppm
Concentration per Run 1	0.1170 ppm	1.0497 ppm	0.9411 ppm	0.9909 ppm	0.9725 ppm	0.1213 ppm	0.5440 ppm
Concentration per Run 2	0.1182 ppm	1.0521 ppm	0.9351 ppm	0.9978 ppm	0.9701 ppm	0.1208 ppm	0.5432 ppm
Concentration per Run 3	0.1154 ppm	1.0542 ppm	0.9483 ppm	0.9896 ppm	0.9708 ppm	0.1202 ppm	0.5448 ppm
Concentration RSD	1.2 %	0.2 %	0.7 %	0.4 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5227 ppm	101.2867 %	103.5169 %	96.3307 %	99.0995 %	102.1318 %	98.9389 %
Concentration per Run 1	0.5238 ppm	101.2720 %	103.6045 %	96.4889 %	99.6891 %	102.1048 %	99.3893 %
Concentration per Run 2	0.5192 ppm	101.6766 %	103.5398 %	96.2314 %	99.3201 %	102.4741 %	98.7029 %
Concentration per Run 3	0.5251 ppm	100.9114 %	103.4065 %	96.2719 %	98.2892 %	101.8166 %	98.7245 %
Concentration RSD	0.6 %	0.4 %	0.1 %	0.1 %	0.7 %	0.3 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: xLDR Sr 50
Analysis started at: 7/1/2025 9:34:43 AM
Rack 1
Vial 11
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0035 ppm	0.0003 ppm	-0.0002 ppm	-0.0405 ppm	0.0000 ppm	0.0103 ppm
Concentration per Run 1	0.0003 ppm	0.0040 ppm	-0.0002 ppm	0.0000 ppm	-0.0406 ppm	0.0000 ppm	0.0104 ppm
Concentration per Run 2	0.0000 ppm	0.0041 ppm	0.0012 ppm	-0.0002 ppm	-0.0404 ppm	0.0000 ppm	0.0106 ppm
Concentration per Run 3	-0.0001 ppm	0.0024 ppm	-0.0001 ppm	-0.0006 ppm	-0.0406 ppm	0.0000 ppm	0.0100 ppm
Concentration RSD	294.0 %	27.9 %	260.2 %	127.3 %	0.3 %	4,513.7 %	3.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0017 ppm	0.0008 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0029 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm	0.0055 ppm	-0.0007 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0011 ppm	-0.0060 ppm	0.0001 ppm
Concentration RSD	1,257.7 %	92.0 %	127.9 %	98.5 %	38.4 %	744.4 %	173.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0020 ppm	0.0001 ppm	0.0049 ppm	0.0018 ppm	0.0000 ppm	-0.0002 ppm	0.0106 ppm
Concentration per Run 1	0.0015 ppm	0.0001 ppm	0.0051 ppm	0.0035 ppm	0.0005 ppm	-0.0001 ppm	0.0102 ppm
Concentration per Run 2	0.0028 ppm	0.0001 ppm	0.0044 ppm	0.0015 ppm	-0.0005 ppm	-0.0006 ppm	0.0127 ppm
Concentration per Run 3	0.0017 ppm	0.0000 ppm	0.0052 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0091 ppm
Concentration RSD	35.4 %	85.3 %	8.8 %	92.4 %	1,291.7 %	170.6 %	17.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0005 ppm	0.0007 ppm	0.0071 ppm	42.8516 ppm	0.0005 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0004 ppm	0.0006 ppm	0.0074 ppm	43.0210 ppm	0.0005 ppm	0.0017 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0078 ppm	42.6909 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 3	-0.0018 ppm	0.0012 ppm	0.0061 ppm	42.8431 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm
Concentration RSD	228.0 %	53.8 %	12.4 %	0.4 %	26.0 %	72.8 %	971.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	99.4546 %	102.9081 %	98.5678 %	99.3646 %	102.5763 %	100.2648 %
Concentration per Run 1	0.0006 ppm	98.7188 %	103.5831 %	98.6672 %	98.8110 %	103.3829 %	100.3127 %
Concentration per Run 2	0.0005 ppm	99.9109 %	103.8085 %	98.4802 %	99.6530 %	103.0177 %	100.3007 %
Concentration per Run 3	0.0007 ppm	99.7341 %	101.3327 %	98.5560 %	99.6299 %	101.3282 %	100.1809 %
Concentration RSD	23.4 %	0.6 %	1.3 %	0.1 %	0.5 %	1.1 %	0.1 %

LabBook: WG2085565_07012025T9.imexp

Sample: LDR 20 Sr pass
Analysis started at: 7/1/2025 9:57:19 AM
Rack 1
Vial 12
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0006 ppm	-0.0001 ppm	0.0001 ppm	-0.0165 ppm	0.0000 ppm	0.0073 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	-0.0007 ppm	-0.0008 ppm	-0.0165 ppm	0.0000 ppm	0.0059 ppm
Concentration per Run 2	0.0001 ppm	0.0010 ppm	0.0002 ppm	0.0003 ppm	-0.0166 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run 3	0.0004 ppm	0.0011 ppm	0.0002 ppm	0.0008 ppm	-0.0165 ppm	0.0000 ppm	0.0079 ppm
Concentration RSD	99.2 %	147.1 %	566.4 %	888.6 %	0.6 %	770.8 %	16.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0011 ppm	-0.0033 ppm	-0.0002 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0011 ppm	0.0031 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0026 ppm	0.0030 ppm	-0.0002 ppm
Concentration RSD	3,344.2 %	51.9 %	110.7 %	1,170.2 %	55.1 %	385.5 %	1,430.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0008 ppm	0.0006 ppm	-0.0006 ppm	-0.0011 ppm
Concentration per Run 1	-0.0004 ppm	0.0001 ppm	0.0000 ppm	-0.0010 ppm	0.0009 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0029 ppm	0.0004 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 3	0.0009 ppm	0.0002 ppm	-0.0001 ppm	0.0015 ppm	0.0004 ppm	-0.0006 ppm	-0.0012 ppm
Concentration RSD	480.6 %	65.1 %	799.8 %	270.2 %	44.0 %	104.1 %	104.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0003 ppm	0.0007 ppm	0.0003 ppm	19.2650 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0017 ppm	0.0003 ppm	0.0000 ppm	19.1618 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0003 ppm	0.0010 ppm	0.0006 ppm	19.4240 ppm	0.0000 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	-0.0006 ppm	0.0008 ppm	0.0003 ppm	19.2092 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration RSD	478.0 %	50.5 %	100.6 %	0.7 %	171.9 %	258.2 %	205.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	100.6954 %	102.2159 %	100.8924 %	100.8801 %	102.3999 %	102.0083 %
Concentration per Run 1	0.0005 ppm	100.7732 %	102.2962 %	101.1586 %	101.5906 %	102.2874 %	102.1239 %
Concentration per Run 2	0.0004 ppm	100.8458 %	102.4121 %	100.4915 %	100.4253 %	102.7390 %	101.8559 %
Concentration per Run 3	0.0004 ppm	100.4673 %	101.9395 %	101.0272 %	100.6246 %	102.1733 %	102.0452 %
Concentration RSD	12.8 %	0.2 %	0.2 %	0.4 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 10:06:43 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4901 ppm	0.4710 ppm	0.4480 ppm	0.4650 ppm	0.4861 ppm	0.4907 ppm	0.4782 ppm
Concentration per Run 1	0.4915 ppm	0.4739 ppm	0.4463 ppm	0.4682 ppm	0.4851 ppm	0.4907 ppm	0.4777 ppm
Concentration per Run 2	0.4891 ppm	0.4689 ppm	0.4485 ppm	0.4631 ppm	0.4885 ppm	0.4912 ppm	0.4737 ppm
Concentration per Run 3	0.4896 ppm	0.4702 ppm	0.4492 ppm	0.4637 ppm	0.4846 ppm	0.4904 ppm	0.4832 ppm
Recovery Percentage 1	98.014 %	94.204 %	89.593 %	92.998 %	97.213 %	98.149 %	95.646 %
Concentration RSD	0.3 %	0.6 %	0.3 %	0.6 %	0.4 %	0.1 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4588 ppm	0.4720 ppm	0.4799 ppm	0.4932 ppm	0.4953 ppm	5.1158 ppm	0.5012 ppm
Concentration per Run 1	0.4594 ppm	0.4725 ppm	0.4821 ppm	0.4928 ppm	0.4982 ppm	5.1269 ppm	0.5054 ppm
Concentration per Run 2	0.4564 ppm	0.4684 ppm	0.4792 ppm	0.4916 ppm	0.4924 ppm	5.1712 ppm	0.5077 ppm
Concentration per Run 3	0.4605 ppm	0.4752 ppm	0.4784 ppm	0.4953 ppm	0.4954 ppm	5.0492 ppm	0.4905 ppm
Recovery Percentage 1	91.753 %	94.406 %	95.978 %	98.645 %	99.070 %	102.316 %	100.238 %
Concentration RSD	0.5 %	0.7 %	0.4 %	0.4 %	0.6 %	1.2 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4771 ppm	0.4886 ppm	0.4635 ppm	10.0451 ppm	0.4865 ppm	0.4808 ppm	0.4920 ppm
Concentration per Run 1	0.4787 ppm	0.4880 ppm	0.4632 ppm	9.9510 ppm	0.4874 ppm	0.4813 ppm	0.4952 ppm
Concentration per Run 2	0.4753 ppm	0.4876 ppm	0.4617 ppm	10.1623 ppm	0.4875 ppm	0.4790 ppm	0.4892 ppm
Concentration per Run 3	0.4774 ppm	0.4902 ppm	0.4656 ppm	10.0221 ppm	0.4846 ppm	0.4822 ppm	0.4915 ppm
Recovery Percentage 1	95.428 %	97.725 %	92.703 %	100.451 %	97.298 %	96.168 %	98.391 %
Concentration RSD	0.4 %	0.3 %	0.4 %	1.1 %	0.3 %	0.3 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4613 ppm	5.0662 ppm	0.4922 ppm	0.4898 ppm	0.4742 ppm	0.4938 ppm	0.4870 ppm
Concentration per Run 1	0.4601 ppm	5.0676 ppm	0.4970 ppm	0.4872 ppm	0.4733 ppm	0.4924 ppm	0.4877 ppm
Concentration per Run 2	0.4606 ppm	5.0438 ppm	0.4880 ppm	0.4931 ppm	0.4750 ppm	0.4938 ppm	0.4855 ppm
Concentration per Run 3	0.4631 ppm	5.0871 ppm	0.4914 ppm	0.4890 ppm	0.4744 ppm	0.4952 ppm	0.4880 ppm
Recovery Percentage 1	92.253 %	96.498 %	98.431 %	97.957 %	94.848 %	98.759 %	97.410 %
Concentration RSD	0.4 %	0.4 %	0.9 %	0.6 %	0.2 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4797 ppm	101.0194 %	102.7346 %	98.6412 %	98.6372 %	101.4494 %	100.1886 %
Concentration per Run 1	0.4828 ppm	100.1882 %	103.3019 %	98.6087 %	97.5469 %	101.8724 %	100.4458 %
Concentration per Run 2	0.4783 ppm	101.4843 %	102.8594 %	98.8056 %	99.2995 %	101.4709 %	100.0955 %
Concentration per Run 3	0.4779 ppm	101.3857 %	102.0424 %	98.5093 %	99.0651 %	101.0049 %	100.0245 %
Recovery Percentage 1	95.931 %						
Concentration RSD	0.6 %	0.7 %	0.6 %	0.2 %	1.0 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 10:10:02 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0011 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0014 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	0.0002 ppm	-0.0023 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	-0.0007 ppm	0.0007 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Recovery Percentage 1	1.173 %	-1.058 %	18.331 %	0.762 %	-0.173 %	0.536 %	1.012 %
Concentration RSD	188.4 %	104.3 %	47.3 %	481.2 %	303.1 %	53.5 %	163.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0002 ppm	-0.0075 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0008 ppm	-0.0042 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0102 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	-0.0081 ppm	0.0003 ppm
Recovery Percentage 1	0.293 %	1.009 %	1.870 %	-0.664 %	0.485 %	-0.300 %	3.355 %
Concentration RSD	361.7 %	86.6 %	57.5 %	105.5 %	215.2 %	41.0 %	161.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0020 ppm	-0.0014 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0003 ppm	0.0002 ppm	0.0022 ppm	-0.0029 ppm	0.0006 ppm	-0.0002 ppm	-0.0013 ppm
Concentration per Run 2	0.0006 ppm	-0.0001 ppm	0.0019 ppm	-0.0014 ppm	-0.0006 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 3	-0.0015 ppm	0.0001 ppm	0.0020 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0011 ppm
Recovery Percentage 1	-0.219 %	0.666 %	4.047 %	-0.070 %	-0.407 %	1.422 %	0.508 %
Concentration RSD	527.9 %	205.9 %	9.6 %	102.9 %	588.6 %	348.2 %	531.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	0.0016 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 1	0.0016 ppm	0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0020 ppm	0.0026 ppm	0.0007 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 3	0.0014 ppm	0.0010 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm
Recovery Percentage 1	16.716 %	0.323 %	1.191 %	0.471 %	3.248 %	2.021 %	-0.974 %
Concentration RSD	20.4 %	54.3 %	40.1 %	65.4 %	35.8 %	87.5 %	89.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	101.8096 %	102.2742 %	101.7446 %	102.0253 %	102.5725 %	102.4744 %
Concentration per Run 1	0.0001 ppm	101.8036 %	102.1186 %	101.7732 %	102.1892 %	102.9955 %	102.7628 %
Concentration per Run 2	0.0003 ppm	101.9419 %	102.4606 %	101.7657 %	101.6891 %	102.3967 %	102.3493 %
Concentration per Run 3	0.0002 ppm	101.6833 %	102.2434 %	101.6949 %	102.1975 %	102.3253 %	102.3111 %
Recovery Percentage 1	3.675 %						
Concentration RSD	45.1 %	0.1 %	0.2 %	0.0 %	0.3 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085387-1 WG2085387
Analysis started at: 7/1/2025 10:22:17 AM
Rack 1
Vial 13
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0032 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0067 ppm
Concentration per Run 1	0.0001 ppm	0.0046 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run 2	0.0000 ppm	-0.0027 ppm	0.0012 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 3	0.0002 ppm	0.0079 ppm	0.0007 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0078 ppm
Concentration RSD	101.2 %	166.7 %	26.7 %	2,617.8 %	92.7 %	2,188.0 %	23.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0028 ppm	0.0028 ppm	-0.0001 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0028 ppm	-0.0053 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0029 ppm	0.0130 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0028 ppm	0.0007 ppm	0.0000 ppm
Concentration RSD	719.6 %	490.1 %	74.1 %	332.6 %	1.4 %	330.6 %	92.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0002 ppm	-0.0006 ppm	-0.0016 ppm
Concentration per Run 1	-0.0010 ppm	0.0001 ppm	0.0003 ppm	-0.0005 ppm	-0.0004 ppm	-0.0013 ppm	-0.0033 ppm
Concentration per Run 2	0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0009 ppm	0.0006 ppm	-0.0008 ppm	-0.0022 ppm
Concentration per Run 3	0.0004 ppm	0.0002 ppm	0.0007 ppm	0.0012 ppm	0.0004 ppm	0.0002 ppm	0.0006 ppm
Concentration RSD	462.1 %	57.3 %	44.5 %	1,328.8 %	264.3 %	117.8 %	123.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0002 ppm	0.0099 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run 1	-0.0013 ppm	0.0093 ppm	-0.0005 ppm	0.0000 ppm	0.0003 ppm	-0.0008 ppm	-0.0002 ppm
Concentration per Run 2	0.0008 ppm	0.0102 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0010 ppm	0.0102 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm
Concentration RSD	853.3 %	5.4 %	1,933.9 %	124.9 %	49.4 %	143.0 %	74.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	101.9724 %	102.1140 %	103.3831 %	101.8347 %	102.3872 %	102.2952 %
Concentration per Run 1	0.0004 ppm	101.9390 %	102.4609 %	102.8665 %	101.8456 %	102.6814 %	101.9613 %
Concentration per Run 2	0.0004 ppm	101.9975 %	102.2407 %	104.5281 %	102.3107 %	102.1485 %	103.1832 %
Concentration per Run 3	0.0004 ppm	101.9808 %	101.6404 %	102.7545 %	101.3478 %	102.3317 %	101.7412 %
Concentration RSD	1.3 %	0.0 %	0.4 %	1.0 %	0.5 %	0.3 %	0.8 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085387-2 WG2085387
Analysis started at: 7/1/2025 10:25:41 AM
Rack 1
Vial 14
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	0.0007 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run 1	0.0002 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run 2	0.0002 ppm	0.0021 ppm	0.0000 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run 3	0.0001 ppm	-0.0012 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0044 ppm
Concentration RSD	20.5 %	261.8 %	164.5 %	287.9 %	167.2 %	125.2 %	17.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0041 ppm	1.0843 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0011 ppm	0.0093 ppm	1.0763 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0004 ppm	-0.0001 ppm	1.0831 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0008 ppm	0.0029 ppm	1.0936 ppm
Concentration RSD	344.7 %	1,388.9 %	631.5 %	40.4 %	159.4 %	118.3 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.0007 ppm	0.0002 ppm	-0.0002 ppm	-0.0002 ppm
Concentration per Run 1	0.0002 ppm	0.0004 ppm	-0.0003 ppm	0.0010 ppm	0.0001 ppm	-0.0007 ppm	-0.0006 ppm
Concentration per Run 2	0.0007 ppm	0.0005 ppm	-0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 3	-0.0004 ppm	0.0005 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm
Concentration RSD	397.9 %	12.0 %	332.2 %	62.1 %	44.2 %	152.5 %	255.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0001 ppm	0.0139 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	-0.0015 ppm	0.0134 ppm	-0.0006 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 2	0.0010 ppm	0.0136 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.0008 ppm	0.0148 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm
Concentration RSD	1,721.5 %	5.6 %	266.6 %	65.9 %	26.6 %	277.1 %	137.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	103.4938 %	104.4562 %	101.8157 %	102.4526 %	103.8020 %	101.7757 %
Concentration per Run 1	0.0004 ppm	103.7079 %	104.5564 %	101.5408 %	102.6541 %	103.5557 %	101.5345 %
Concentration per Run 2	0.0004 ppm	103.2931 %	104.5338 %	101.1816 %	102.3505 %	104.6173 %	101.1818 %
Concentration per Run 3	0.0005 ppm	103.4804 %	104.2783 %	102.7248 %	102.3533 %	103.2332 %	102.6107 %
Concentration RSD	8.9 %	0.2 %	0.1 %	0.8 %	0.2 %	0.7 %	0.7 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 10:28:52 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4879 ppm	0.4719 ppm	0.4484 ppm	0.4579 ppm	0.4841 ppm	0.4891 ppm	0.4739 ppm
Concentration per Run 1	0.4881 ppm	0.4796 ppm	0.4490 ppm	0.4586 ppm	0.4896 ppm	0.4911 ppm	0.4772 ppm
Concentration per Run 2	0.4868 ppm	0.4688 ppm	0.4469 ppm	0.4556 ppm	0.4808 ppm	0.4883 ppm	0.4760 ppm
Concentration per Run 3	0.4887 ppm	0.4672 ppm	0.4493 ppm	0.4594 ppm	0.4820 ppm	0.4879 ppm	0.4684 ppm
Recovery Percentage 1	97.573 %	94.373 %	89.681 %	91.573 %	96.829 %	97.822 %	94.770 %
Concentration RSD	0.2 %	1.4 %	0.3 %	0.4 %	1.0 %	0.4 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4553 ppm	0.4695 ppm	0.4736 ppm	0.4935 ppm	0.4908 ppm	5.1612 ppm	0.5036 ppm
Concentration per Run 1	0.4527 ppm	0.4660 ppm	0.4729 ppm	0.4938 ppm	0.4938 ppm	5.2762 ppm	0.5093 ppm
Concentration per Run 2	0.4571 ppm	0.4699 ppm	0.4753 ppm	0.4922 ppm	0.4908 ppm	5.0544 ppm	0.4968 ppm
Concentration per Run 3	0.4560 ppm	0.4726 ppm	0.4727 ppm	0.4945 ppm	0.4876 ppm	5.1530 ppm	0.5047 ppm
Recovery Percentage 1	91.051 %	93.901 %	94.723 %	98.698 %	98.151 %	103.224 %	100.718 %
Concentration RSD	0.5 %	0.7 %	0.3 %	0.2 %	0.6 %	2.2 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4731 ppm	0.4831 ppm	0.4584 ppm	10.2662 ppm	0.4775 ppm	0.4798 ppm	0.4906 ppm
Concentration per Run 1	0.4712 ppm	0.4865 ppm	0.4562 ppm	10.5233 ppm	0.4770 ppm	0.4817 ppm	0.4922 ppm
Concentration per Run 2	0.4764 ppm	0.4831 ppm	0.4597 ppm	10.0263 ppm	0.4788 ppm	0.4784 ppm	0.4897 ppm
Concentration per Run 3	0.4718 ppm	0.4798 ppm	0.4592 ppm	10.2490 ppm	0.4766 ppm	0.4794 ppm	0.4898 ppm
Recovery Percentage 1	94.624 %	96.626 %	91.673 %	102.662 %	95.493 %	95.968 %	98.114 %
Concentration RSD	0.6 %	0.7 %	0.4 %	2.4 %	0.2 %	0.4 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4636 ppm	5.0575 ppm	0.4854 ppm	0.4901 ppm	0.4705 ppm	0.4936 ppm	0.4843 ppm
Concentration per Run 1	0.4597 ppm	5.0489 ppm	0.4857 ppm	0.4954 ppm	0.4711 ppm	0.4924 ppm	0.4851 ppm
Concentration per Run 2	0.4642 ppm	5.0439 ppm	0.4872 ppm	0.4864 ppm	0.4711 ppm	0.4950 ppm	0.4829 ppm
Concentration per Run 3	0.4669 ppm	5.0796 ppm	0.4832 ppm	0.4887 ppm	0.4694 ppm	0.4933 ppm	0.4850 ppm
Recovery Percentage 1	92.720 %	96.333 %	97.077 %	98.029 %	94.102 %	98.714 %	96.867 %
Concentration RSD	0.8 %	0.4 %	0.4 %	1.0 %	0.2 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4712 ppm	101.7774 %	103.1607 %	98.5847 %	99.8615 %	101.6719 %	99.6128 %
Concentration per Run 1	0.4706 ppm	102.0585 %	103.8113 %	98.5194 %	100.2640 %	102.8337 %	99.7841 %
Concentration per Run 2	0.4744 ppm	101.3911 %	102.6709 %	98.3112 %	99.5237 %	101.1857 %	98.9296 %
Concentration per Run 3	0.4687 ppm	101.8826 %	103.0000 %	98.9235 %	99.7968 %	100.9963 %	100.1246 %
Recovery Percentage 1	94.243 %						
Concentration RSD	0.6 %	0.3 %	0.6 %	0.3 %	0.4 %	1.0 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 10:32:05 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	0.0002 ppm	0.0018 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 2	0.0001 ppm	0.0013 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 3	-0.0001 ppm	-0.0028 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Recovery Percentage 1	0.742 %	0.091 %	3.442 %	-0.155 %	0.342 %	0.364 %	1.838 %
Concentration RSD	285.1 %	2,790.6 %	81.4 %	500.6 %	69.6 %	88.4 %	30.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0057 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm	-0.0143 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0111 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0083 ppm	0.0003 ppm
Recovery Percentage 1	0.624 %	0.662 %	1.229 %	-1.455 %	0.196 %	-0.228 %	1.189 %
Concentration RSD	73.3 %	77.5 %	7.3 %	72.5 %	370.8 %	214.7 %	516.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0015 ppm	0.0000 ppm	0.0020 ppm	-0.0037 ppm	-0.0001 ppm	-0.0002 ppm	0.0013 ppm
Concentration per Run 1	-0.0015 ppm	0.0000 ppm	0.0020 ppm	-0.0032 ppm	-0.0007 ppm	-0.0004 ppm	0.0024 ppm
Concentration per Run 2	-0.0017 ppm	0.0000 ppm	0.0022 ppm	-0.0030 ppm	0.0005 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 3	-0.0013 ppm	0.0001 ppm	0.0017 ppm	-0.0050 ppm	-0.0001 ppm	-0.0004 ppm	0.0008 ppm
Recovery Percentage 1	-1.464 %	0.096 %	3.995 %	-0.186 %	-0.341 %	-2.310 %	2.628 %
Concentration RSD	13.7 %	596.8 %	13.0 %	30.1 %	689.7 %	130.7 %	70.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	0.0017 ppm	0.0009 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0005 ppm	0.0023 ppm	0.0005 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	0.0013 ppm	0.0014 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0011 ppm	0.0015 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm
Recovery Percentage 1	6.576 %	0.340 %	1.774 %	0.084 %	3.313 %	0.576 %	0.255 %
Concentration RSD	55.8 %	30.3 %	55.0 %	146.7 %	24.3 %	336.4 %	457.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.6571 %	102.5348 %	101.5508 %	102.2383 %	102.5824 %	102.2509 %
Concentration per Run 1	0.0003 ppm	101.6046 %	102.1505 %	101.2572 %	102.2861 %	102.7184 %	101.7569 %
Concentration per Run 2	0.0000 ppm	101.7377 %	103.0161 %	101.8601 %	102.3571 %	103.2586 %	102.3409 %
Concentration per Run 3	0.0000 ppm	101.6292 %	102.4377 %	101.5350 %	102.0716 %	101.7702 %	102.6548 %
Recovery Percentage 1	2.335 %						
Concentration RSD	136.1 %	0.1 %	0.4 %	0.3 %	0.1 %	0.7 %	0.4 %

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085573-1 WG2085573
Analysis started at: 7/1/2025 10:45:18 AM
Rack 1
Vial 15
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0024 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0227 ppm
Concentration per Run 1	0.0002 ppm	0.0036 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0195 ppm
Concentration per Run 2	0.0002 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0250 ppm
Concentration per Run 3	-0.0002 ppm	0.0034 ppm	0.0004 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0237 ppm
Concentration RSD	300.6 %	75.1 %	19.5 %	211.3 %	50.3 %	176.0 %	12.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0151 ppm	0.0130 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0150 ppm	0.0154 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0146 ppm	0.0137 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0156 ppm	0.0099 ppm	0.0005 ppm
Concentration RSD	60.1 %	413.3 %	32.1 %	177.2 %	3.2 %	21.9 %	33.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0039 ppm	0.0002 ppm	0.0002 ppm	0.0051 ppm	0.0002 ppm	-0.0008 ppm	-0.0006 ppm
Concentration per Run 1	0.0037 ppm	0.0001 ppm	0.0000 ppm	0.0067 ppm	-0.0006 ppm	-0.0006 ppm	-0.0018 ppm
Concentration per Run 2	0.0034 ppm	0.0002 ppm	0.0004 ppm	0.0022 ppm	0.0010 ppm	-0.0007 ppm	-0.0001 ppm
Concentration per Run 3	0.0044 ppm	0.0002 ppm	0.0002 ppm	0.0062 ppm	0.0000 ppm	-0.0009 ppm	0.0002 ppm
Concentration RSD	13.7 %	46.5 %	106.4 %	49.3 %	520.4 %	19.4 %	193.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0005 ppm	0.0140 ppm	0.0077 ppm	0.0000 ppm	0.0003 ppm	-0.0017 ppm	-0.0002 ppm
Concentration per Run 1	-0.0021 ppm	0.0136 ppm	0.0073 ppm	0.0000 ppm	0.0003 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run 2	0.0016 ppm	0.0144 ppm	0.0083 ppm	0.0000 ppm	0.0003 ppm	-0.0019 ppm	-0.0002 ppm
Concentration per Run 3	0.0022 ppm	0.0139 ppm	0.0075 ppm	0.0001 ppm	0.0004 ppm	-0.0019 ppm	-0.0002 ppm
Concentration RSD	438.1 %	3.0 %	7.1 %	106.5 %	8.4 %	18.5 %	30.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0011 ppm	102.1851 %	103.2289 %	100.4787 %	100.9695 %	102.5555 %	100.7700 %
Concentration per Run 1	0.0010 ppm	102.0825 %	103.2600 %	99.5180 %	100.9519 %	102.2915 %	99.8550 %
Concentration per Run 2	0.0010 ppm	102.1498 %	102.7466 %	100.4834 %	100.4624 %	102.5107 %	101.1214 %
Concentration per Run 3	0.0011 ppm	102.3230 %	103.6802 %	101.4349 %	101.4941 %	102.8643 %	101.3337 %
Concentration RSD	8.6 %	0.1 %	0.5 %	1.0 %	0.5 %	0.3 %	0.8 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085573-2d2 WG2085573
Analysis started at: 7/1/2025 10:48:43 AM
Rack 1
Vial 16
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0547 ppm	2.2829 ppm	0.1145 ppm	0.9579 ppm	2.2154 ppm	0.0553 ppm	9.9679 ppm
Concentration per Run 1	0.0551 ppm	2.2734 ppm	0.1149 ppm	0.9620 ppm	2.2127 ppm	0.0552 ppm	9.9746 ppm
Concentration per Run 2	0.0547 ppm	2.2755 ppm	0.1147 ppm	0.9616 ppm	2.2163 ppm	0.0554 ppm	9.9550 ppm
Concentration per Run 3	0.0542 ppm	2.2997 ppm	0.1141 ppm	0.9502 ppm	2.2170 ppm	0.0551 ppm	9.9740 ppm
Concentration RSD	0.9 %	0.6 %	0.4 %	0.7 %	0.1 %	0.3 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0477 ppm	0.5118 ppm	0.2093 ppm	0.2757 ppm	1.1053 ppm	11.0213 ppm	0.0001 ppm
Concentration per Run 1	0.0479 ppm	0.5142 ppm	0.2105 ppm	0.2768 ppm	1.1118 ppm	10.9531 ppm	0.0001 ppm
Concentration per Run 2	0.0473 ppm	0.5091 ppm	0.2093 ppm	0.2770 ppm	1.1048 ppm	10.9399 ppm	-0.0002 ppm
Concentration per Run 3	0.0477 ppm	0.5122 ppm	0.2082 ppm	0.2733 ppm	1.0993 ppm	11.1708 ppm	0.0005 ppm
Concentration RSD	0.6 %	0.5 %	0.6 %	0.8 %	0.6 %	1.2 %	297.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.8199 ppm	0.5360 ppm	0.9575 ppm	11.4019 ppm	0.5282 ppm	0.5094 ppm	0.4952 ppm
Concentration per Run 1	9.8793 ppm	0.5362 ppm	0.9605 ppm	11.2571 ppm	0.5310 ppm	0.5112 ppm	0.4999 ppm
Concentration per Run 2	9.8032 ppm	0.5349 ppm	0.9530 ppm	11.2972 ppm	0.5300 ppm	0.5095 ppm	0.4939 ppm
Concentration per Run 3	9.7772 ppm	0.5368 ppm	0.9591 ppm	11.6514 ppm	0.5235 ppm	0.5073 ppm	0.4919 ppm
Concentration RSD	0.5 %	0.2 %	0.4 %	1.9 %	0.8 %	0.4 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1161 ppm	0.9759 ppm	0.9827 ppm	1.0029 ppm	0.9836 ppm	0.1200 ppm	0.5529 ppm
Concentration per Run 1	0.1164 ppm	0.9835 ppm	0.9856 ppm	1.0027 ppm	0.9903 ppm	0.1209 ppm	0.5567 ppm
Concentration per Run 2	0.1162 ppm	0.9726 ppm	0.9813 ppm	1.0040 ppm	0.9807 ppm	0.1194 ppm	0.5513 ppm
Concentration per Run 3	0.1157 ppm	0.9715 ppm	0.9813 ppm	1.0019 ppm	0.9797 ppm	0.1196 ppm	0.5507 ppm
Concentration RSD	0.3 %	0.7 %	0.2 %	0.1 %	0.6 %	0.7 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5225 ppm	99.4495 %	101.9045 %	94.5321 %	97.6474 %	100.8952 %	97.4958 %
Concentration per Run 1	0.5247 ppm	99.5805 %	101.5512 %	94.7318 %	97.9125 %	100.2005 %	97.9119 %
Concentration per Run 2	0.5221 ppm	99.6958 %	101.7531 %	94.7129 %	97.8080 %	100.6851 %	97.6581 %
Concentration per Run 3	0.5205 ppm	99.0724 %	102.4093 %	94.1515 %	97.2216 %	101.8001 %	96.9173 %
Concentration RSD	0.4 %	0.3 %	0.4 %	0.3 %	0.4 %	0.8 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540838-01d2 WG2085573
Analysis started at: 7/1/2025 10:51:55 AM
Rack 1
Vial 17
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	34.0950 ppm	0.0719 ppm	0.0394 ppm	0.2001 ppm	0.0027 ppm	10.8759 ppm
Concentration per Run 1	-0.0012 ppm	34.1675 ppm	0.0727 ppm	0.0404 ppm	0.2001 ppm	0.0027 ppm	10.8116 ppm
Concentration per Run 2	-0.0003 ppm	34.1664 ppm	0.0707 ppm	0.0391 ppm	0.2001 ppm	0.0027 ppm	11.0332 ppm
Concentration per Run 3	-0.0009 ppm	33.9511 ppm	0.0724 ppm	0.0386 ppm	0.2001 ppm	0.0027 ppm	10.7829 ppm
Concentration RSD	53.9 %	0.4 %	1.5 %	2.4 %	0.0 %	0.7 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0021 ppm	0.0260 ppm	0.1307 ppm	0.1630 ppm	143.3520 ppm	4.9436 ppm	0.0423 ppm
Concentration per Run 1	0.0022 ppm	0.0262 ppm	0.1321 ppm	0.1624 ppm	143.2554 ppm	4.9756 ppm	0.0432 ppm
Concentration per Run 2	0.0021 ppm	0.0257 ppm	0.1303 ppm	0.1649 ppm	144.4400 ppm	4.9394 ppm	0.0420 ppm
Concentration per Run 3	0.0021 ppm	0.0260 ppm	0.1296 ppm	0.1617 ppm	142.3606 ppm	4.9159 ppm	0.0418 ppm
Concentration RSD	2.7 %	1.0 %	1.0 %	1.0 %	0.7 %	0.6 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.5225 ppm	0.5451 ppm	0.0072 ppm	40.8658 ppm	0.0525 ppm	0.1874 ppm	-0.0004 ppm
Concentration per Run 1	6.5536 ppm	0.5409 ppm	0.0073 ppm	41.0739 ppm	0.0528 ppm	0.1879 ppm	0.0013 ppm
Concentration per Run 2	6.5165 ppm	0.5522 ppm	0.0071 ppm	40.8500 ppm	0.0520 ppm	0.1869 ppm	-0.0009 ppm
Concentration per Run 3	6.4974 ppm	0.5421 ppm	0.0073 ppm	40.6735 ppm	0.0525 ppm	0.1875 ppm	-0.0015 ppm
Concentration RSD	0.4 %	1.1 %	1.5 %	0.5 %	0.8 %	0.2 %	394.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	10.2109 ppm	0.0123 ppm	0.0741 ppm	1.1004 ppm	0.0000 ppm	0.2482 ppm
Concentration per Run 1	0.0032 ppm	10.2045 ppm	0.0129 ppm	0.0741 ppm	1.0948 ppm	-0.0007 ppm	0.2494 ppm
Concentration per Run 2	0.0038 ppm	10.2913 ppm	0.0115 ppm	0.0741 ppm	1.1077 ppm	0.0006 ppm	0.2477 ppm
Concentration per Run 3	0.0031 ppm	10.1370 ppm	0.0125 ppm	0.0740 ppm	1.0986 ppm	0.0001 ppm	0.2475 ppm
Concentration RSD	12.1 %	0.8 %	5.7 %	0.1 %	0.6 %	5,586.7 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4459 ppm	99.8823 %	105.5105 %	90.4492 %	106.3672 %	113.4046 %	108.3964 %
Concentration per Run 1	0.4520 ppm	99.4962 %	105.5334 %	90.7819 %	105.7405 %	113.2131 %	108.9102 %
Concentration per Run 2	0.4428 ppm	99.3101 %	104.8670 %	90.3974 %	106.3437 %	113.8715 %	108.3309 %
Concentration per Run 3	0.4428 ppm	100.8406 %	106.1313 %	90.1682 %	107.0175 %	113.1292 %	107.9481 %
Concentration RSD	1.2 %	0.8 %	0.6 %	0.3 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085573-3d2 WG2085573
Analysis started at: 7/1/2025 10:55:06 AM
Rack 1
Vial 18
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0504 ppm	45.1868 ppm	0.1743 ppm	0.8835 ppm	2.2529 ppm	0.0551 ppm	18.2705 ppm
Concentration per Run 1	0.0508 ppm	45.4217 ppm	0.1751 ppm	0.8862 ppm	2.2647 ppm	0.0553 ppm	18.2646 ppm
Concentration per Run 2	0.0501 ppm	45.1423 ppm	0.1758 ppm	0.8834 ppm	2.2524 ppm	0.0552 ppm	18.3121 ppm
Concentration per Run 3	0.0504 ppm	44.9962 ppm	0.1722 ppm	0.8809 ppm	2.2415 ppm	0.0547 ppm	18.2349 ppm
Concentration RSD	0.7 %	0.5 %	1.1 %	0.3 %	0.5 %	0.5 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0462 ppm	0.4953 ppm	0.3230 ppm	0.4570 ppm	151.5433 ppm	14.6402 ppm	0.0488 ppm
Concentration per Run 1	0.0465 ppm	0.4976 ppm	0.3239 ppm	0.4588 ppm	152.2965 ppm	14.9732 ppm	0.0502 ppm
Concentration per Run 2	0.0458 ppm	0.4951 ppm	0.3221 ppm	0.4577 ppm	151.8864 ppm	14.5208 ppm	0.0485 ppm
Concentration per Run 3	0.0464 ppm	0.4933 ppm	0.3230 ppm	0.4544 ppm	150.4469 ppm	14.4265 ppm	0.0476 ppm
Concentration RSD	0.8 %	0.4 %	0.3 %	0.5 %	0.6 %	2.0 %	2.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.7065 ppm	1.0929 ppm	0.8689 ppm	46.9376 ppm	0.5332 ppm	0.6633 ppm	0.2636 ppm
Concentration per Run 1	14.7259 ppm	1.0974 ppm	0.8721 ppm	47.7911 ppm	0.5349 ppm	0.6637 ppm	0.2618 ppm
Concentration per Run 2	14.6803 ppm	1.0939 ppm	0.8667 ppm	46.5838 ppm	0.5312 ppm	0.6652 ppm	0.2677 ppm
Concentration per Run 3	14.7134 ppm	1.0874 ppm	0.8678 ppm	46.4379 ppm	0.5335 ppm	0.6609 ppm	0.2612 ppm
Concentration RSD	0.2 %	0.5 %	0.3 %	1.6 %	0.4 %	0.3 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1107 ppm	16.8614 ppm	0.8479 ppm	1.0173 ppm	1.9432 ppm	0.1105 ppm	0.7890 ppm
Concentration per Run 1	0.1118 ppm	16.8483 ppm	0.8501 ppm	1.0217 ppm	1.9404 ppm	0.1109 ppm	0.7911 ppm
Concentration per Run 2	0.1114 ppm	16.9380 ppm	0.8470 ppm	1.0179 ppm	1.9484 ppm	0.1109 ppm	0.7887 ppm
Concentration per Run 3	0.1088 ppm	16.7979 ppm	0.8464 ppm	1.0122 ppm	1.9409 ppm	0.1098 ppm	0.7871 ppm
Concentration RSD	1.5 %	0.4 %	0.2 %	0.5 %	0.2 %	0.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9451 ppm	101.6727 %	107.2492 %	88.4594 %	106.2004 %	113.4803 %	106.4032 %
Concentration per Run 1	0.9468 ppm	101.7023 %	106.6014 %	88.5299 %	106.4630 %	112.7615 %	106.5536 %
Concentration per Run 2	0.9427 ppm	101.3938 %	107.3365 %	88.4216 %	106.1577 %	113.9601 %	106.6739 %
Concentration per Run 3	0.9459 ppm	101.9221 %	107.8097 %	88.4266 %	105.9805 %	113.7192 %	105.9823 %
Concentration RSD	0.2 %	0.3 %	0.6 %	0.1 %	0.2 %	0.6 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085573-4d2 WG2085573
Analysis started at: 7/1/2025 10:58:18 AM
Rack 1
Vial 19
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	37.6553 ppm	0.0713 ppm	0.0566 ppm	0.2115 ppm	0.0029 ppm	28.2268 ppm
Concentration per Run 1	-0.0009 ppm	37.8159 ppm	0.0715 ppm	0.0564 ppm	0.2126 ppm	0.0029 ppm	28.2075 ppm
Concentration per Run 2	-0.0005 ppm	37.6222 ppm	0.0710 ppm	0.0567 ppm	0.2113 ppm	0.0029 ppm	28.1816 ppm
Concentration per Run 3	-0.0008 ppm	37.5278 ppm	0.0715 ppm	0.0567 ppm	0.2105 ppm	0.0029 ppm	28.2914 ppm
Concentration RSD	30.3 %	0.4 %	0.4 %	0.2 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0023 ppm	0.0278 ppm	0.1321 ppm	0.2411 ppm	145.0539 ppm	6.4184 ppm	0.0462 ppm
Concentration per Run 1	0.0023 ppm	0.0280 ppm	0.1336 ppm	0.2407 ppm	145.7770 ppm	6.5027 ppm	0.0475 ppm
Concentration per Run 2	0.0025 ppm	0.0279 ppm	0.1323 ppm	0.2426 ppm	144.5888 ppm	6.3678 ppm	0.0462 ppm
Concentration per Run 3	0.0022 ppm	0.0276 ppm	0.1305 ppm	0.2399 ppm	144.7959 ppm	6.3847 ppm	0.0451 ppm
Concentration RSD	6.2 %	0.9 %	1.2 %	0.6 %	0.4 %	1.1 %	2.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.8479 ppm	0.7975 ppm	0.0067 ppm	39.6285 ppm	0.0548 ppm	0.1761 ppm	-0.0027 ppm
Concentration per Run 1	12.8465 ppm	0.8003 ppm	0.0066 ppm	39.8843 ppm	0.0547 ppm	0.1765 ppm	-0.0025 ppm
Concentration per Run 2	12.9214 ppm	0.7935 ppm	0.0072 ppm	39.5371 ppm	0.0566 ppm	0.1759 ppm	-0.0009 ppm
Concentration per Run 3	12.7758 ppm	0.7987 ppm	0.0062 ppm	39.4640 ppm	0.0531 ppm	0.1760 ppm	-0.0046 ppm
Concentration RSD	0.6 %	0.5 %	7.0 %	0.6 %	3.1 %	0.2 %	69.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	15.6529 ppm	0.0126 ppm	0.0887 ppm	1.1798 ppm	-0.0002 ppm	0.2340 ppm
Concentration per Run 1	0.0021 ppm	15.7547 ppm	0.0132 ppm	0.0894 ppm	1.2342 ppm	-0.0001 ppm	0.2344 ppm
Concentration per Run 2	0.0009 ppm	15.8656 ppm	0.0123 ppm	0.0883 ppm	1.1425 ppm	-0.0010 ppm	0.2351 ppm
Concentration per Run 3	0.0028 ppm	15.3385 ppm	0.0122 ppm	0.0883 ppm	1.1627 ppm	0.0006 ppm	0.2327 ppm
Concentration RSD	49.0 %	1.8 %	4.5 %	0.7 %	4.1 %	469.2 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4842 ppm	98.9771 %	104.3984 %	88.7946 %	108.0749 %	114.9513 %	110.1189 %
Concentration per Run 1	0.4864 ppm	99.1480 %	104.0950 %	88.9331 %	107.8895 %	114.7576 %	110.5660 %
Concentration per Run 2	0.4871 ppm	98.5693 %	104.7878 %	88.8786 %	108.4742 %	115.0539 %	110.2683 %
Concentration per Run 3	0.4792 ppm	99.2140 %	104.3125 %	88.5722 %	107.8610 %	115.0424 %	109.5222 %
Concentration RSD	0.9 %	0.4 %	0.3 %	0.2 %	0.3 %	0.1 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085573-5d2 WG2085573
Analysis started at: 7/1/2025 11:01:31 AM
Rack 1
Vial 20
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0477 ppm	34.9093 ppm	0.1807 ppm	0.8780 ppm	2.1618 ppm	0.0518 ppm	19.2132 ppm
Concentration per Run 1	0.0476 ppm	34.6559 ppm	0.1796 ppm	0.8769 ppm	2.1668 ppm	0.0521 ppm	19.3719 ppm
Concentration per Run 2	0.0478 ppm	34.9036 ppm	0.1818 ppm	0.8842 ppm	2.1478 ppm	0.0514 ppm	19.0977 ppm
Concentration per Run 3	0.0475 ppm	35.1682 ppm	0.1806 ppm	0.8730 ppm	2.1708 ppm	0.0518 ppm	19.1699 ppm
Concentration RSD	0.3 %	0.7 %	0.6 %	0.6 %	0.6 %	0.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0439 ppm	0.4703 ppm	0.3100 ppm	0.4046 ppm	138.9713 ppm	14.8201 ppm	0.0407 ppm
Concentration per Run 1	0.0437 ppm	0.4679 ppm	0.3090 ppm	0.4031 ppm	139.9812 ppm	14.8255 ppm	0.0412 ppm
Concentration per Run 2	0.0440 ppm	0.4730 ppm	0.3113 ppm	0.4077 ppm	138.0577 ppm	14.8104 ppm	0.0406 ppm
Concentration per Run 3	0.0440 ppm	0.4700 ppm	0.3098 ppm	0.4030 ppm	138.8749 ppm	14.8243 ppm	0.0404 ppm
Concentration RSD	0.4 %	0.5 %	0.4 %	0.7 %	0.7 %	0.1 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	14.6572 ppm	0.9962 ppm	0.8545 ppm	48.5919 ppm	0.5057 ppm	0.6555 ppm	0.4302 ppm
Concentration per Run 1	14.6097 ppm	0.9990 ppm	0.8501 ppm	48.3221 ppm	0.5043 ppm	0.6561 ppm	0.4306 ppm
Concentration per Run 2	14.6614 ppm	0.9953 ppm	0.8580 ppm	48.5720 ppm	0.5069 ppm	0.6563 ppm	0.4320 ppm
Concentration per Run 3	14.7005 ppm	0.9942 ppm	0.8553 ppm	48.8818 ppm	0.5058 ppm	0.6540 ppm	0.4280 ppm
Concentration RSD	0.3 %	0.3 %	0.5 %	0.6 %	0.3 %	0.2 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1145 ppm	10.3674 ppm	0.8650 ppm	0.9692 ppm	1.9221 ppm	0.1087 ppm	0.7264 ppm
Concentration per Run 1	0.1148 ppm	10.4466 ppm	0.8644 ppm	0.9678 ppm	1.9357 ppm	0.1074 ppm	0.7248 ppm
Concentration per Run 2	0.1133 ppm	10.4297 ppm	0.8708 ppm	0.9653 ppm	1.9207 ppm	0.1089 ppm	0.7264 ppm
Concentration per Run 3	0.1155 ppm	10.2258 ppm	0.8597 ppm	0.9743 ppm	1.9098 ppm	0.1098 ppm	0.7280 ppm
Concentration RSD	1.0 %	1.2 %	0.6 %	0.5 %	0.7 %	1.1 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8882 ppm	99.5379 %	105.4346 %	88.7353 %	105.6769 %	113.0923 %	106.9372 %
Concentration per Run 1	0.8846 ppm	99.5728 %	104.5138 %	88.4450 %	105.5180 %	112.8109 %	106.4807 %
Concentration per Run 2	0.8916 ppm	99.2283 %	106.2898 %	88.4892 %	105.6115 %	113.2755 %	106.8265 %
Concentration per Run 3	0.8884 ppm	99.8125 %	105.5001 %	89.2717 %	105.9013 %	113.1906 %	107.5044 %
Concentration RSD	0.4 %	0.3 %	0.8 %	0.5 %	0.2 %	0.2 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085573-6d10 WG2085573
Analysis started at: 7/1/2025 11:04:44 AM
Rack 1
Vial 21
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	6.9944 ppm	0.0140 ppm	0.0079 ppm	0.0406 ppm	0.0006 ppm	2.1987 ppm
Concentration per Run 1	-0.0001 ppm	7.0034 ppm	0.0129 ppm	0.0087 ppm	0.0408 ppm	0.0005 ppm	2.2252 ppm
Concentration per Run 2	-0.0003 ppm	6.9985 ppm	0.0141 ppm	0.0074 ppm	0.0405 ppm	0.0006 ppm	2.1811 ppm
Concentration per Run 3	-0.0001 ppm	6.9814 ppm	0.0150 ppm	0.0075 ppm	0.0405 ppm	0.0006 ppm	2.1898 ppm
Concentration RSD	84.7 %	0.2 %	7.6 %	9.0 %	0.5 %	5.8 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0005 ppm	0.0055 ppm	0.0266 ppm	0.0329 ppm	30.7527 ppm	1.0160 ppm	0.0088 ppm
Concentration per Run 1	0.0005 ppm	0.0057 ppm	0.0263 ppm	0.0327 ppm	30.8504 ppm	1.0254 ppm	0.0091 ppm
Concentration per Run 2	0.0005 ppm	0.0054 ppm	0.0267 ppm	0.0330 ppm	30.7238 ppm	1.0276 ppm	0.0087 ppm
Concentration per Run 3	0.0004 ppm	0.0055 ppm	0.0268 ppm	0.0330 ppm	30.6840 ppm	0.9951 ppm	0.0088 ppm
Concentration RSD	5.8 %	2.1 %	1.1 %	0.5 %	0.3 %	1.8 %	2.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.3751 ppm	0.1104 ppm	0.0036 ppm	8.3799 ppm	0.0119 ppm	0.0365 ppm	0.0008 ppm
Concentration per Run 1	1.3772 ppm	0.1110 ppm	0.0030 ppm	8.2304 ppm	0.0118 ppm	0.0371 ppm	0.0003 ppm
Concentration per Run 2	1.3733 ppm	0.1094 ppm	0.0040 ppm	8.5414 ppm	0.0120 ppm	0.0368 ppm	0.0011 ppm
Concentration per Run 3	1.3749 ppm	0.1107 ppm	0.0038 ppm	8.3678 ppm	0.0117 ppm	0.0357 ppm	0.0009 ppm
Concentration RSD	0.1 %	0.8 %	15.2 %	1.9 %	1.1 %	2.0 %	52.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0001 ppm	2.0933 ppm	0.0033 ppm	0.0150 ppm	0.2213 ppm	-0.0005 ppm	0.0492 ppm
Concentration per Run 1	0.0001 ppm	2.0584 ppm	0.0039 ppm	0.0150 ppm	0.2202 ppm	-0.0009 ppm	0.0493 ppm
Concentration per Run 2	0.0016 ppm	2.1438 ppm	0.0027 ppm	0.0151 ppm	0.2153 ppm	-0.0003 ppm	0.0491 ppm
Concentration per Run 3	-0.0019 ppm	2.0778 ppm	0.0034 ppm	0.0149 ppm	0.2285 ppm	-0.0002 ppm	0.0493 ppm
Concentration RSD	2,975.2 %	2.1 %	18.8 %	0.8 %	3.0 %	71.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0909 ppm	101.8483 %	104.2628 %	98.8946 %	101.6162 %	104.7571 %	102.5492 %
Concentration per Run 1	0.0910 ppm	102.0890 %	103.4134 %	99.2047 %	101.9594 %	104.7174 %	102.9273 %
Concentration per Run 2	0.0908 ppm	101.7063 %	104.7316 %	98.7793 %	101.5294 %	104.3239 %	102.4327 %
Concentration per Run 3	0.0909 ppm	101.7496 %	104.6433 %	98.6998 %	101.3597 %	105.2300 %	102.2876 %
Concentration RSD	0.1 %	0.2 %	0.7 %	0.3 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2538129-01d2 WG2085573
Analysis started at: 7/1/2025 11:07:57 AM
Rack 1
Vial 22
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	130.4245 ppm	0.1678 ppm	0.0044 ppm	0.9498 ppm	0.0031 ppm	17.9968 ppm
Concentration per Run 1	0.0006 ppm	130.7337 ppm	0.1676 ppm	0.0048 ppm	0.9540 ppm	0.0031 ppm	17.9875 ppm
Concentration per Run 2	0.0005 ppm	130.0440 ppm	0.1675 ppm	0.0030 ppm	0.9371 ppm	0.0029 ppm	18.0324 ppm
Concentration per Run 3	0.0004 ppm	130.4959 ppm	0.1684 ppm	0.0055 ppm	0.9583 ppm	0.0031 ppm	17.9707 ppm
Concentration RSD	20.8 %	0.3 %	0.3 %	28.3 %	1.2 %	5.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0039 ppm	0.0705 ppm	0.2706 ppm	0.2112 ppm	161.1647 ppm	34.2594 ppm	0.2507 ppm
Concentration per Run 1	0.0038 ppm	0.0699 ppm	0.2692 ppm	0.2113 ppm	161.2864 ppm	34.4914 ppm	0.2527 ppm
Concentration per Run 2	0.0040 ppm	0.0721 ppm	0.2722 ppm	0.2128 ppm	160.9190 ppm	33.6155 ppm	0.2484 ppm
Concentration per Run 3	0.0037 ppm	0.0693 ppm	0.2703 ppm	0.2095 ppm	161.2887 ppm	34.6713 ppm	0.2510 ppm
Concentration RSD	4.6 %	2.1 %	0.6 %	0.8 %	0.1 %	1.6 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	56.0966 ppm	5.7312 ppm	0.0060 ppm	1.8216 ppm	0.2079 ppm	0.6863 ppm	-0.0039 ppm
Concentration per Run 1	55.9576 ppm	5.7377 ppm	0.0057 ppm	1.8260 ppm	0.2083 ppm	0.6916 ppm	-0.0034 ppm
Concentration per Run 2	56.6466 ppm	5.7439 ppm	0.0062 ppm	1.8062 ppm	0.2082 ppm	0.6834 ppm	-0.0068 ppm
Concentration per Run 3	55.6855 ppm	5.7119 ppm	0.0062 ppm	1.8328 ppm	0.2072 ppm	0.6838 ppm	-0.0013 ppm
Concentration RSD	0.9 %	0.3 %	5.4 %	0.8 %	0.3 %	0.7 %	72.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0004 ppm	25.3402 [SIC 200]	0.0229 ppm	0.1224 ppm	8.1312 ppm	-0.0022 ppm	0.3022 ppm
Concentration per Run 1	-0.0012 ppm	25.5611 ppm	0.0223 ppm	0.1232 ppm	8.1507 ppm	-0.0039 ppm	0.3016 ppm
Concentration per Run 2	-0.0006 ppm	25.6450 ppm	0.0237 ppm	0.1205 ppm	8.1818 ppm	-0.0010 ppm	0.3036 ppm
Concentration per Run 3	0.0005 ppm	24.8145 ppm	0.0227 ppm	0.1235 ppm	8.0610 ppm	-0.0016 ppm	0.3015 ppm
Concentration RSD	203.2 %	1.8 %	3.2 %	1.3 %	0.8 %	70.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7695 ppm	94.0148 %	103.8229 %	87.8370 %	103.2106 %	115.5670 %	111.2951 %
Concentration per Run 1	0.7643 ppm	94.4042 %	103.7623 %	87.3916 %	103.1057 %	115.6480 %	111.1065 %
Concentration per Run 2	0.7761 ppm	92.9453 %	103.6270 %	88.2516 %	102.6647 %	115.0249 %	111.7232 %
Concentration per Run 3	0.7682 ppm	94.6947 %	104.0792 %	87.8677 %	103.8615 %	116.0282 %	111.0556 %
Concentration RSD	0.8 %	1.0 %	0.2 %	0.5 %	0.6 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2538129-02d2 WG2085573
Analysis started at: 7/1/2025 11:11:11 AM
Rack 1
Vial 23
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	204.4950 ppm	0.1965 ppm	-0.0006 ppm	0.6548 ppm	0.0035 ppm	89.0423 ppm
Concentration per Run 1	0.0000 ppm	204.8497 ppm	0.1967 ppm	-0.0008 ppm	0.6600 ppm	0.0036 ppm	89.1063 ppm
Concentration per Run 2	0.0000 ppm	205.8159 ppm	0.1976 ppm	-0.0002 ppm	0.6532 ppm	0.0035 ppm	89.2534 ppm
Concentration per Run 3	0.0002 ppm	202.8194 ppm	0.1953 ppm	-0.0009 ppm	0.6514 ppm	0.0034 ppm	88.7672 ppm
Concentration RSD	105.9 %	0.7 %	0.6 %	64.7 %	0.7 %	3.9 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	0.0851 ppm	0.4124 ppm	0.1908 ppm	166.1046 ppm	40.3381 ppm	0.6120 ppm
Concentration per Run 1	0.0022 ppm	0.0841 ppm	0.4146 ppm	0.1904 ppm	165.8893 ppm	40.2817 ppm	0.6104 ppm
Concentration per Run 2	0.0018 ppm	0.0857 ppm	0.4128 ppm	0.1907 ppm	166.1157 ppm	40.4806 ppm	0.6146 ppm
Concentration per Run 3	0.0021 ppm	0.0855 ppm	0.4097 ppm	0.1913 ppm	166.3087 ppm	40.2519 ppm	0.6110 ppm
Concentration RSD	8.6 %	1.0 %	0.6 %	0.3 %	0.1 %	0.3 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	70.9947 ppm	2.7268 ppm	0.0042 ppm	5.0166 ppm	0.3274 ppm	0.0578 ppm	-0.0029 ppm
Concentration per Run 1	70.8750 ppm	2.7244 ppm	0.0041 ppm	4.9719 ppm	0.3275 ppm	0.0588 ppm	0.0008 ppm
Concentration per Run 2	71.2245 ppm	2.7288 ppm	0.0044 ppm	5.0789 ppm	0.3277 ppm	0.0558 ppm	-0.0019 ppm
Concentration per Run 3	70.8845 ppm	2.7272 ppm	0.0042 ppm	4.9989 ppm	0.3271 ppm	0.0587 ppm	-0.0075 ppm
Concentration RSD	0.3 %	0.1 %	3.5 %	1.1 %	0.1 %	3.0 %	147.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0007 ppm	15.7852 ppm	0.0171 ppm	0.3904 ppm	8.3685 ppm	0.0034 ppm	0.3469 ppm
Concentration per Run 1	0.0000 ppm	15.7873 ppm	0.0166 ppm	0.3950 ppm	8.4241 ppm	0.0040 ppm	0.3471 ppm
Concentration per Run 2	0.0003 ppm	15.8081 ppm	0.0178 ppm	0.3884 ppm	8.3689 ppm	0.0036 ppm	0.3478 ppm
Concentration per Run 3	-0.0023 ppm	15.7601 ppm	0.0169 ppm	0.3877 ppm	8.3126 ppm	0.0025 ppm	0.3459 ppm
Concentration RSD	210.8 %	0.2 %	3.8 %	1.0 %	0.7 %	23.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3529 ppm	94.9264 %	106.0176 %	85.4013 %	97.3748 %	111.5594 %	104.1203 %
Concentration per Run 1	0.3509 ppm	95.4278 %	106.5327 %	85.2812 %	97.7252 %	112.0850 %	103.8693 %
Concentration per Run 2	0.3553 ppm	95.0168 %	106.1514 %	85.6741 %	97.1424 %	112.4029 %	104.2599 %
Concentration per Run 3	0.3527 ppm	94.3347 %	105.3689 %	85.2487 %	97.2569 %	110.1903 %	104.2317 %
Concentration RSD	0.6 %	0.6 %	0.6 %	0.3 %	0.3 %	1.1 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2538129-03d2 WG2085573
Analysis started at: 7/1/2025 11:14:24 AM
Rack 1
Vial 24
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	120.3207 ppm	0.3140 ppm	0.0022 ppm	0.5711 ppm	0.0030 ppm	20.8177 ppm
Concentration per Run 1	-0.0001 ppm	122.0865 ppm	0.3166 ppm	0.0008 ppm	0.5791 ppm	0.0030 ppm	21.0877 ppm
Concentration per Run 2	0.0000 ppm	122.2798 ppm	0.3129 ppm	0.0036 ppm	0.5801 ppm	0.0031 ppm	21.1627 ppm
Concentration per Run 3	-0.0001 ppm	116.5958 ppm	0.3126 ppm	0.0023 ppm	0.5542 ppm	0.0030 ppm	20.2028 ppm
Concentration RSD	51.0 %	2.7 %	0.7 %	63.8 %	2.6 %	2.1 %	2.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0023 ppm	0.0801 ppm	0.2738 ppm	0.1376 ppm	149.6443 ppm	28.6849 ppm	0.2441 ppm
Concentration per Run 1	0.0022 ppm	0.0802 ppm	0.2757 ppm	0.1373 ppm	151.5996 ppm	29.0725 ppm	0.2506 ppm
Concentration per Run 2	0.0023 ppm	0.0803 ppm	0.2724 ppm	0.1374 ppm	151.8942 ppm	29.1664 ppm	0.2470 ppm
Concentration per Run 3	0.0025 ppm	0.0797 ppm	0.2733 ppm	0.1381 ppm	145.4391 ppm	27.8159 ppm	0.2348 ppm
Concentration RSD	7.5 %	0.4 %	0.6 %	0.3 %	2.4 %	2.6 %	3.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	49.1418 ppm	3.9185 ppm	0.0071 ppm	1.9495 ppm	0.2552 ppm	0.0520 ppm	-0.0037 ppm
Concentration per Run 1	49.3812 ppm	3.9824 ppm	0.0069 ppm	1.9746 ppm	0.2559 ppm	0.0529 ppm	-0.0035 ppm
Concentration per Run 2	49.0754 ppm	3.9721 ppm	0.0071 ppm	1.9739 ppm	0.2549 ppm	0.0515 ppm	-0.0044 ppm
Concentration per Run 3	48.9687 ppm	3.8010 ppm	0.0073 ppm	1.9000 ppm	0.2549 ppm	0.0518 ppm	-0.0032 ppm
Concentration RSD	0.4 %	2.6 %	3.2 %	2.2 %	0.2 %	1.4 %	16.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0009 ppm	**26.6588 [SIC 200]**	0.0166 ppm	0.1247 ppm	7.1669 ppm	0.0013 ppm	0.2668 ppm
Concentration per Run 1	-0.0007 ppm	26.9200 ppm	0.0167 ppm	0.1265 ppm	7.1966 ppm	0.0014 ppm	0.2671 ppm
Concentration per Run 2	-0.0020 ppm	26.7259 ppm	0.0171 ppm	0.1265 ppm	7.1239 ppm	0.0003 ppm	0.2674 ppm
Concentration per Run 3	0.0001 ppm	26.3306 ppm	0.0160 ppm	0.1210 ppm	7.1801 ppm	0.0020 ppm	0.2658 ppm
Concentration RSD	124.7 %	1.1 %	3.2 %	2.6 %	0.5 %	67.6 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3508 ppm	94.4716 %	104.1925 %	86.6241 %	105.6597 %	118.1894 %	112.6119 %
Concentration per Run 1	0.3530 ppm	94.0277 %	102.5593 %	86.7607 %	105.3213 %	117.4078 %	113.2716 %
Concentration per Run 2	0.3516 ppm	94.5429 %	102.9843 %	86.6950 %	106.4093 %	117.8696 %	112.2791 %
Concentration per Run 3	0.3479 ppm	94.8442 %	107.0339 %	86.4165 %	105.2485 %	119.2908 %	112.2851 %
Concentration RSD	0.8 %	0.4 %	2.4 %	0.2 %	0.6 %	0.8 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 11:22:57 AM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4931 ppm	0.4790 ppm	0.4708 ppm	0.4612 ppm	0.4885 ppm	0.4899 ppm	0.4778 ppm
Concentration per Run 1	0.4951 ppm	0.4790 ppm	0.4705 ppm	0.4643 ppm	0.4875 ppm	0.4906 ppm	0.4795 ppm
Concentration per Run 2	0.4917 ppm	0.4797 ppm	0.4699 ppm	0.4581 ppm	0.4897 ppm	0.4891 ppm	0.4746 ppm
Concentration per Run 3	0.4924 ppm	0.4783 ppm	0.4722 ppm	0.4613 ppm	0.4883 ppm	0.4900 ppm	0.4794 ppm
Recovery Percentage 1	98.617 %	95.804 %	94.168 %	92.249 %	97.696 %	97.976 %	95.569 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.7 %	0.2 %	0.2 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4529 ppm	0.4697 ppm	0.4762 ppm	0.4991 ppm	0.4950 ppm	5.2172 ppm	0.5108 ppm
Concentration per Run 1	0.4503 ppm	0.4684 ppm	0.4783 ppm	0.5009 ppm	0.4949 ppm	5.1530 ppm	0.5002 ppm
Concentration per Run 2	0.4515 ppm	0.4687 ppm	0.4735 ppm	0.4965 ppm	0.4939 ppm	5.2494 ppm	0.5166 ppm
Concentration per Run 3	0.4569 ppm	0.4721 ppm	0.4769 ppm	0.4998 ppm	0.4960 ppm	5.2493 ppm	0.5156 ppm
Recovery Percentage 1	90.582 %	93.949 %	95.249 %	99.812 %	98.991 %	104.344 %	102.158 %
Concentration RSD	0.8 %	0.4 %	0.5 %	0.5 %	0.2 %	1.1 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4757 ppm	0.4863 ppm	0.4605 ppm	10.1754 ppm	0.4812 ppm	0.4781 ppm	0.4995 ppm
Concentration per Run 1	0.4770 ppm	0.4851 ppm	0.4592 ppm	9.9759 ppm	0.4832 ppm	0.4777 ppm	0.4994 ppm
Concentration per Run 2	0.4739 ppm	0.4860 ppm	0.4583 ppm	10.2486 ppm	0.4788 ppm	0.4801 ppm	0.4970 ppm
Concentration per Run 3	0.4762 ppm	0.4878 ppm	0.4640 ppm	10.3015 ppm	0.4816 ppm	0.4765 ppm	0.5022 ppm
Recovery Percentage 1	95.139 %	97.264 %	92.102 %	101.754 %	96.237 %	95.617 %	99.906 %
Concentration RSD	0.3 %	0.3 %	0.7 %	1.7 %	0.5 %	0.4 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4651 ppm	5.1477 ppm	0.4898 ppm	0.4892 ppm	0.4725 ppm	0.4946 ppm	0.4849 ppm
Concentration per Run 1	0.4655 ppm	5.1556 ppm	0.4901 ppm	0.4893 ppm	0.4731 ppm	0.4939 ppm	0.4835 ppm
Concentration per Run 2	0.4664 ppm	5.1280 ppm	0.4874 ppm	0.4909 ppm	0.4717 ppm	0.4942 ppm	0.4843 ppm
Concentration per Run 3	0.4632 ppm	5.1595 ppm	0.4920 ppm	0.4874 ppm	0.4728 ppm	0.4956 ppm	0.4867 ppm
Recovery Percentage 1	93.014 %	98.051 %	97.965 %	97.844 %	94.504 %	98.913 %	96.971 %
Concentration RSD	0.4 %	0.3 %	0.5 %	0.4 %	0.2 %	0.2 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4737 ppm	101.4326 %	102.6699 %	99.2573 %	99.2893 %	101.4451 %	99.7308 %
Concentration per Run 1	0.4737 ppm	101.7197 %	102.4500 %	99.4840 %	99.1553 %	101.0941 %	99.9073 %
Concentration per Run 2	0.4714 ppm	101.8070 %	103.0000 %	99.1287 %	99.8820 %	102.0534 %	99.7482 %
Concentration per Run 3	0.4759 ppm	100.7710 %	102.5598 %	99.1594 %	98.8305 %	101.1879 %	99.5370 %
Recovery Percentage 1	94.736 %						
Concentration RSD	0.5 %	0.6 %	0.3 %	0.2 %	0.5 %	0.5 %	0.2 %

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 11:26:22 AM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0009 ppm	-0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 1	-0.0003 ppm	-0.0002 ppm	0.0010 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 2	0.0001 ppm	0.0022 ppm	-0.0010 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	-0.0008 ppm	-0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Recovery Percentage 1	-1.515 %	0.935 %	-5.749 %	-0.710 %	0.152 %	-0.217 %	0.880 %
Concentration RSD	201.3 %	131.0 %	379.4 %	453.9 %	484.0 %	163.2 %	170.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0010 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0016 ppm	0.0071 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0003 ppm	0.0012 ppm	-0.0020 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0058 ppm	0.0000 ppm
Recovery Percentage 1	-0.559 %	0.903 %	0.352 %	-1.511 %	1.979 %	-0.009 %	-2.987 %
Concentration RSD	218.4 %	124.3 %	759.6 %	113.8 %	76.6 %	2,927.5 %	187.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0001 ppm	0.0001 ppm	0.0020 ppm	-0.0037 ppm	0.0001 ppm	-0.0003 ppm	-0.0007 ppm
Concentration per Run 1	-0.0004 ppm	0.0000 ppm	0.0022 ppm	-0.0035 ppm	-0.0001 ppm	-0.0001 ppm	-0.0014 ppm
Concentration per Run 2	0.0010 ppm	0.0000 ppm	0.0020 ppm	-0.0017 ppm	0.0002 ppm	-0.0006 ppm	0.0013 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0016 ppm	-0.0057 ppm	0.0002 ppm	-0.0001 ppm	-0.0021 ppm
Recovery Percentage 1	0.148 %	0.619 %	3.943 %	-0.183 %	0.361 %	-2.719 %	-1.422 %
Concentration RSD	489.5 %	98.8 %	15.3 %	54.3 %	189.3 %	117.5 %	254.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.0052 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm	-0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0022 ppm	0.0071 ppm	0.0007 ppm	0.0001 ppm	0.0005 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0018 ppm	0.0048 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 3	0.0028 ppm	0.0036 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	-0.0011 ppm	-0.0002 ppm
Recovery Percentage 1	22.540 %	1.037 %	0.522 %	0.505 %	4.576 %	-1.688 %	-0.534 %
Concentration RSD	23.2 %	34.0 %	153.3 %	74.3 %	19.8 %	217.2 %	180.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.6419 %	102.3848 %	102.0246 %	101.8731 %	102.7946 %	102.4478 %
Concentration per Run 1	0.0000 ppm	101.0640 %	102.8340 %	101.8137 %	101.6444 %	103.0102 %	102.0074 %
Concentration per Run 2	0.0000 ppm	101.9372 %	101.4933 %	101.6207 %	101.8513 %	101.9514 %	102.5081 %
Concentration per Run 3	0.0000 ppm	101.9246 %	102.8270 %	102.6394 %	102.1235 %	103.4223 %	102.8278 %
Recovery Percentage 1	0.212 %						
Concentration RSD	469.9 %	0.5 %	0.8 %	0.5 %	0.2 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2538129-04d2 WG2085573
Analysis started at: 7/1/2025 11:32:26 AM
Rack 1
Vial 25
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0041 ppm	189.8431 ppm	0.1823 ppm	0.0084 ppm	0.5471 ppm	0.0158 ppm	12.2474 ppm
Concentration per Run 1	-0.0011 ppm	190.5083 ppm	0.1813 ppm	0.0096 ppm	0.5473 ppm	0.0159 ppm	12.3121 ppm
Concentration per Run 2	-0.0108 ppm	189.7593 ppm	0.1824 ppm	0.0081 ppm	0.5466 ppm	0.0158 ppm	12.2321 ppm
Concentration per Run 3	-0.0005 ppm	189.2618 ppm	0.1831 ppm	0.0075 ppm	0.5475 ppm	0.0158 ppm	12.1981 ppm
Concentration RSD	139.4 %	0.3 %	0.5 %	12.7 %	0.1 %	0.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0114 ppm	0.1424 ppm	0.3609 ppm	0.4915 ppm	688.9993 [SIC 700]	19.4738 ppm	0.3046 ppm
Concentration per Run 1	0.0132 ppm	0.1463 ppm	0.3638 ppm	0.4963 ppm	690.3315 ppm	19.4454 ppm	0.3035 ppm
Concentration per Run 2	0.0079 ppm	0.1344 ppm	0.3534 ppm	0.4800 ppm	687.8777 ppm	19.4991 ppm	0.3063 ppm
Concentration per Run 3	0.0132 ppm	0.1466 ppm	0.3654 ppm	0.4981 ppm	688.7888 ppm	19.4769 ppm	0.3039 ppm
Concentration RSD	26.5 %	4.9 %	1.8 %	2.0 %	0.2 %	0.1 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	44.6001 ppm	4.3797 ppm	0.0242 ppm	1.5739 ppm	0.4441 ppm	0.6506 ppm	0.0185 ppm
Concentration per Run 1	44.9871 ppm	4.3898 ppm	0.0244 ppm	1.5794 ppm	0.4482 ppm	0.6504 ppm	0.0192 ppm
Concentration per Run 2	43.8136 ppm	4.3747 ppm	0.0238 ppm	1.5814 ppm	0.4368 ppm	0.6488 ppm	0.0197 ppm
Concentration per Run 3	44.9996 ppm	4.3745 ppm	0.0243 ppm	1.5611 ppm	0.4472 ppm	0.6526 ppm	0.0167 ppm
Concentration RSD	1.5 %	0.2 %	1.3 %	0.7 %	1.4 %	0.3 %	8.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0047 ppm	11.9281 ppm	0.0730 ppm	0.0848 ppm	6.5620 ppm	0.0034 ppm	0.4114 ppm
Concentration per Run 1	0.0005 ppm	12.3243 ppm	0.0746 ppm	0.0851 ppm	6.6057 ppm	0.0032 ppm	0.4095 ppm
Concentration per Run 2	0.0062 ppm	11.3795 ppm	0.0704 ppm	0.0845 ppm	6.4567 ppm	0.0058 ppm	0.4160 ppm
Concentration per Run 3	0.0073 ppm	12.0806 ppm	0.0740 ppm	0.0849 ppm	6.6236 ppm	0.0014 ppm	0.4087 ppm
Concentration RSD	78.1 %	4.1 %	3.1 %	0.3 %	1.4 %	64.9 %	1.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5325 ppm	95.1022 %	105.9663 %	74.6742 %	110.7156 %	124.6548 %	114.6963 %
Concentration per Run 1	0.5391 ppm	94.0721 %	106.1526 %	74.7106 %	109.4975 %	125.3308 %	115.1119 %
Concentration per Run 2	0.5197 ppm	98.3213 %	105.7518 %	74.6994 %	114.7530 %	124.0153 %	114.2091 %
Concentration per Run 3	0.5387 ppm	92.9134 %	105.9945 %	74.6125 %	107.8964 %	124.6184 %	114.7677 %
Concentration RSD	2.1 %	3.0 %	0.2 %	0.1 %	3.2 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539735-01d2 WG2085573
Analysis started at: 7/1/2025 11:35:40 AM
Rack 1
Vial 26
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0016 ppm	76.7053 ppm	0.0411 ppm	0.0048 ppm	0.3735 ppm	0.0068 ppm	97.1229 ppm
Concentration per Run 1	-0.0020 ppm	77.0847 ppm	0.0414 ppm	0.0065 ppm	0.3730 ppm	0.0068 ppm	97.1779 ppm
Concentration per Run 2	-0.0012 ppm	76.8474 ppm	0.0420 ppm	0.0047 ppm	0.3743 ppm	0.0068 ppm	97.1806 ppm
Concentration per Run 3	-0.0014 ppm	76.1837 ppm	0.0398 ppm	0.0034 ppm	0.3731 ppm	0.0068 ppm	97.0104 ppm
Concentration RSD	26.8 %	0.6 %	2.7 %	32.6 %	0.2 %	0.4 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0024 ppm	0.0477 ppm	0.0948 ppm	0.1164 ppm	205.5991 [SIC 700]	7.3582 ppm	0.0904 ppm
Concentration per Run 1	0.0024 ppm	0.0476 ppm	0.0949 ppm	0.1168 ppm	205.3862 ppm	7.4443 ppm	0.0916 ppm
Concentration per Run 2	0.0023 ppm	0.0477 ppm	0.0946 ppm	0.1163 ppm	205.9878 ppm	7.3790 ppm	0.0912 ppm
Concentration per Run 3	0.0025 ppm	0.0478 ppm	0.0948 ppm	0.1160 ppm	205.4232 ppm	7.2513 ppm	0.0884 ppm
Concentration RSD	3.7 %	0.2 %	0.2 %	0.3 %	0.2 %	1.3 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	76.6954 ppm	3.2799 ppm	0.0021 ppm	0.8326 ppm	0.0994 ppm	0.0865 ppm	-0.0026 ppm
Concentration per Run 1	76.5345 ppm	3.2867 ppm	0.0018 ppm	0.8447 ppm	0.0998 ppm	0.0868 ppm	-0.0015 ppm
Concentration per Run 2	76.9416 ppm	3.2873 ppm	0.0023 ppm	0.8338 ppm	0.0996 ppm	0.0859 ppm	-0.0029 ppm
Concentration per Run 3	76.6102 ppm	3.2656 ppm	0.0021 ppm	0.8192 ppm	0.0988 ppm	0.0867 ppm	-0.0033 ppm
Concentration RSD	0.3 %	0.4 %	12.3 %	1.5 %	0.5 %	0.6 %	36.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0002 ppm	6.8167 ppm	0.0085 ppm	0.0587 ppm	1.6118 ppm	-0.0004 ppm	0.1906 ppm
Concentration per Run 1	-0.0026 ppm	6.9175 ppm	0.0082 ppm	0.0585 ppm	1.6138 ppm	0.0004 ppm	0.1915 ppm
Concentration per Run 2	0.0006 ppm	6.9421 ppm	0.0085 ppm	0.0589 ppm	1.6177 ppm	-0.0014 ppm	0.1907 ppm
Concentration per Run 3	0.0014 ppm	6.5904 ppm	0.0088 ppm	0.0587 ppm	1.6040 ppm	-0.0002 ppm	0.1895 ppm
Concentration RSD	1,073.5 %	2.9 %	3.8 %	0.3 %	0.4 %	226.4 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3927 ppm	100.5761 %	108.0193 %	85.7299 %	137.0350 %	149.2939 %	138.2515 %
Concentration per Run 1	0.3924 ppm	100.9967 %	108.1375 %	85.4903 %	137.7729 %	149.4500 %	137.6166 %
Concentration per Run 2	0.3918 ppm	101.1707 %	108.3787 %	85.9999 %	137.8432 %	150.1676 %	138.7450 %
Concentration per Run 3	0.3940 ppm	99.5608 %	107.5418 %	85.6995 %	135.4889 %	148.2642 %	138.3929 %
Concentration RSD	0.3 %	0.9 %	0.4 %	0.3 %	1.0 %	0.6 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539762-01d2 WG2085573
Analysis started at: 7/1/2025 11:38:51 AM
Rack 1
Vial 27
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0006 ppm	48.3031 ppm	0.0435 ppm	0.0222 ppm	1.1054 ppm	0.0021 ppm	17.7356 ppm
Concentration per Run 1	-0.0007 ppm	48.5268 ppm	0.0437 ppm	0.0217 ppm	1.1094 ppm	0.0021 ppm	17.6477 ppm
Concentration per Run 2	-0.0006 ppm	48.2887 ppm	0.0432 ppm	0.0220 ppm	1.1011 ppm	0.0021 ppm	17.5703 ppm
Concentration per Run 3	-0.0004 ppm	48.0939 ppm	0.0435 ppm	0.0231 ppm	1.1057 ppm	0.0021 ppm	17.9889 ppm
Concentration RSD	19.7 %	0.4 %	0.6 %	3.2 %	0.4 %	1.2 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0014 ppm	0.0411 ppm	0.0521 ppm	0.1057 ppm	92.2940 ppm	7.8681 ppm	0.1157 ppm
Concentration per Run 1	0.0014 ppm	0.0409 ppm	0.0526 ppm	0.1064 ppm	92.4503 ppm	8.0751 ppm	0.1189 ppm
Concentration per Run 2	0.0015 ppm	0.0414 ppm	0.0516 ppm	0.1059 ppm	91.5018 ppm	7.7987 ppm	0.1143 ppm
Concentration per Run 3	0.0014 ppm	0.0408 ppm	0.0520 ppm	0.1049 ppm	92.9299 ppm	7.7306 ppm	0.1140 ppm
Concentration RSD	4.2 %	0.7 %	0.9 %	0.7 %	0.8 %	2.3 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	19.2291 ppm	5.2344 ppm	0.0009 ppm	0.6716 ppm	0.0893 ppm	0.0927 ppm	-0.0019 ppm
Concentration per Run 1	19.2342 ppm	5.2228 ppm	0.0002 ppm	0.6804 ppm	0.0886 ppm	0.0940 ppm	-0.0046 ppm
Concentration per Run 2	19.2581 ppm	5.1950 ppm	0.0010 ppm	0.6736 ppm	0.0895 ppm	0.0928 ppm	-0.0002 ppm
Concentration per Run 3	19.1951 ppm	5.2853 ppm	0.0015 ppm	0.6606 ppm	0.0897 ppm	0.0912 ppm	-0.0008 ppm
Concentration RSD	0.2 %	0.9 %	71.2 %	1.5 %	0.7 %	1.5 %	127.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0009 ppm	15.5439 ppm	0.0048 ppm	0.0720 ppm	0.4982 ppm	-0.0028 ppm	0.0601 ppm
Concentration per Run 1	-0.0021 ppm	15.7932 ppm	0.0044 ppm	0.0725 ppm	0.5117 ppm	-0.0031 ppm	0.0603 ppm
Concentration per Run 2	-0.0006 ppm	15.6163 ppm	0.0052 ppm	0.0715 ppm	0.4955 ppm	-0.0037 ppm	0.0602 ppm
Concentration per Run 3	-0.0001 ppm	15.2222 ppm	0.0047 ppm	0.0721 ppm	0.4876 ppm	-0.0016 ppm	0.0597 ppm
Concentration RSD	107.9 %	1.9 %	9.2 %	0.7 %	2.5 %	37.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3272 ppm	100.4179 %	104.2625 %	90.7729 %	107.2769 %	112.2288 %	107.6964 %
Concentration per Run 1	0.3269 ppm	100.6600 %	104.3868 %	90.4253 %	108.0096 %	112.0241 %	107.2402 %
Concentration per Run 2	0.3276 ppm	100.5222 %	105.1058 %	90.4296 %	106.8627 %	112.5338 %	107.0887 %
Concentration per Run 3	0.3271 ppm	100.0713 %	103.2948 %	91.4638 %	106.9585 %	112.1285 %	108.7604 %
Concentration RSD	0.1 %	0.3 %	0.9 %	0.7 %	0.6 %	0.2 %	0.9 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539763-01d2 WG2085573
Analysis started at: 7/1/2025 11:42:02 AM
Rack 1
Vial 28
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0007 ppm	87.5431 ppm	0.0411 ppm	0.0283 ppm	0.3467 ppm	0.0037 ppm	53.9453 ppm
Concentration per Run 1	0.0010 ppm	88.3759 ppm	0.0418 ppm	0.0308 ppm	0.3498 ppm	0.0037 ppm	53.6738 ppm
Concentration per Run 2	0.0004 ppm	86.6575 ppm	0.0408 ppm	0.0268 ppm	0.3442 ppm	0.0036 ppm	53.9052 ppm
Concentration per Run 3	0.0008 ppm	87.5958 ppm	0.0407 ppm	0.0272 ppm	0.3461 ppm	0.0037 ppm	54.2569 ppm
Concentration RSD	46.1 %	1.0 %	1.5 %	7.8 %	0.8 %	0.6 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0032 ppm	0.0842 ppm	0.1129 ppm	0.2110 ppm	157.9530 ppm	11.6025 ppm	0.1650 ppm
Concentration per Run 1	0.0033 ppm	0.0847 ppm	0.1125 ppm	0.2109 ppm	158.4258 ppm	11.8246 ppm	0.1677 ppm
Concentration per Run 2	0.0030 ppm	0.0844 ppm	0.1130 ppm	0.2116 ppm	157.7715 ppm	11.4049 ppm	0.1616 ppm
Concentration per Run 3	0.0034 ppm	0.0836 ppm	0.1132 ppm	0.2104 ppm	157.6618 ppm	11.5779 ppm	0.1656 ppm
Concentration RSD	7.1 %	0.6 %	0.3 %	0.3 %	0.3 %	1.8 %	1.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.4716 ppm	5.6036 ppm	0.0031 ppm	1.3631 ppm	0.1613 ppm	0.1064 ppm	-0.0055 ppm
Concentration per Run 1	41.3450 ppm	5.5842 ppm	0.0030 ppm	1.3903 ppm	0.1602 ppm	0.1057 ppm	-0.0056 ppm
Concentration per Run 2	41.5221 ppm	5.5977 ppm	0.0028 ppm	1.3559 ppm	0.1602 ppm	0.1075 ppm	-0.0069 ppm
Concentration per Run 3	41.5479 ppm	5.6290 ppm	0.0033 ppm	1.3432 ppm	0.1636 ppm	0.1059 ppm	-0.0038 ppm
Concentration RSD	0.3 %	0.4 %	7.7 %	1.8 %	1.2 %	0.9 %	27.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0008 ppm	53.0421 [SIC 200]	0.0081 ppm	0.1275 ppm	1.4889 ppm	-0.0031 ppm	0.1289 ppm
Concentration per Run 1	-0.0004 ppm	53.1413 ppm	0.0076 ppm	0.1290 ppm	1.4787 ppm	-0.0024 ppm	0.1287 ppm
Concentration per Run 2	-0.0011 ppm	52.7171 ppm	0.0086 ppm	0.1266 ppm	1.4811 ppm	-0.0032 ppm	0.1292 ppm
Concentration per Run 3	-0.0009 ppm	53.2679 ppm	0.0082 ppm	0.1269 ppm	1.5068 ppm	-0.0036 ppm	0.1287 ppm
Concentration RSD	41.9 %	0.5 %	6.1 %	1.0 %	1.0 %	21.2 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4830 ppm	93.9527 %	103.4120 %	86.0965 %	108.0816 %	121.8959 %	115.9091 %
Concentration per Run 1	0.4809 ppm	94.0638 %	103.7095 %	86.2394 %	108.4575 %	122.8326 %	116.4247 %
Concentration per Run 2	0.4850 ppm	93.7874 %	103.2784 %	85.8502 %	108.4464 %	121.1821 %	115.7053 %
Concentration per Run 3	0.4830 ppm	94.0069 %	103.2482 %	86.1998 %	107.3408 %	121.6730 %	115.5972 %
Concentration RSD	0.4 %	0.2 %	0.2 %	0.2 %	0.6 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539764-01d2 WG2085573
Analysis started at: 7/1/2025 11:45:14 AM
Rack 1
Vial 29
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0008 ppm	50.2637 ppm	0.0293 ppm	0.0177 ppm	0.3942 ppm	0.0022 ppm	77.3049 ppm
Concentration per Run 1	-0.0009 ppm	50.5021 ppm	0.0306 ppm	0.0171 ppm	0.3918 ppm	0.0022 ppm	77.1672 ppm
Concentration per Run 2	-0.0009 ppm	50.0404 ppm	0.0288 ppm	0.0178 ppm	0.3962 ppm	0.0021 ppm	76.9333 ppm
Concentration per Run 3	-0.0005 ppm	50.2488 ppm	0.0284 ppm	0.0182 ppm	0.3945 ppm	0.0022 ppm	77.8143 ppm
Concentration RSD	28.3 %	0.5 %	4.1 %	3.2 %	0.6 %	0.6 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0417 ppm	0.0532 ppm	0.0960 ppm	95.0859 ppm	7.3192 ppm	0.1172 ppm
Concentration per Run 1	0.0012 ppm	0.0421 ppm	0.0534 ppm	0.0957 ppm	94.6665 ppm	7.3244 ppm	0.1179 ppm
Concentration per Run 2	0.0011 ppm	0.0414 ppm	0.0537 ppm	0.0964 ppm	94.8210 ppm	7.3200 ppm	0.1164 ppm
Concentration per Run 3	0.0010 ppm	0.0416 ppm	0.0524 ppm	0.0958 ppm	95.7701 ppm	7.3132 ppm	0.1174 ppm
Concentration RSD	9.2 %	0.8 %	1.3 %	0.4 %	0.6 %	0.1 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	50.3577 ppm	2.9936 ppm	0.0004 ppm	0.5738 ppm	0.0889 ppm	0.0809 ppm	-0.0022 ppm
Concentration per Run 1	50.2593 ppm	2.9944 ppm	0.0006 ppm	0.5785 ppm	0.0889 ppm	0.0813 ppm	-0.0005 ppm
Concentration per Run 2	50.5314 ppm	2.9851 ppm	0.0002 ppm	0.5766 ppm	0.0885 ppm	0.0810 ppm	-0.0033 ppm
Concentration per Run 3	50.2824 ppm	3.0014 ppm	0.0005 ppm	0.5662 ppm	0.0893 ppm	0.0805 ppm	-0.0027 ppm
Concentration RSD	0.3 %	0.3 %	49.2 %	1.2 %	0.4 %	0.5 %	67.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0007 ppm	17.1391 ppm	0.0050 ppm	0.1013 ppm	0.5452 ppm	-0.0024 ppm	0.0617 ppm
Concentration per Run 1	0.0013 ppm	17.0587 ppm	0.0052 ppm	0.1008 ppm	0.5339 ppm	-0.0029 ppm	0.0618 ppm
Concentration per Run 2	-0.0002 ppm	17.1493 ppm	0.0058 ppm	0.1010 ppm	0.5521 ppm	-0.0023 ppm	0.0615 ppm
Concentration per Run 3	0.0011 ppm	17.2093 ppm	0.0041 ppm	0.1020 ppm	0.5497 ppm	-0.0021 ppm	0.0617 ppm
Concentration RSD	110.4 %	0.4 %	18.0 %	0.6 %	1.8 %	18.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3210 ppm	97.1749 %	102.3059 %	85.4323 %	103.7865 %	110.3989 %	103.8670 %
Concentration per Run 1	0.3203 ppm	97.2729 %	102.3144 %	85.2976 %	103.6139 %	110.5337 %	103.8613 %
Concentration per Run 2	0.3215 ppm	96.8255 %	102.4467 %	85.5417 %	103.7078 %	109.6795 %	103.6496 %
Concentration per Run 3	0.3211 ppm	97.4262 %	102.1567 %	85.4576 %	104.0379 %	110.9836 %	104.0901 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.1 %	0.2 %	0.6 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-01d2 WG2085573
Analysis started at: 7/1/2025 11:48:26 AM
Rack 1
Vial 30
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	30.1506 ppm	0.0154 ppm	0.0053 ppm	0.1518 ppm	0.0014 ppm	1.0183 ppm
Concentration per Run 1	-0.0003 ppm	29.8864 ppm	0.0153 ppm	0.0045 ppm	0.1511 ppm	0.0013 ppm	1.0131 ppm
Concentration per Run 2	-0.0003 ppm	30.5596 ppm	0.0160 ppm	0.0054 ppm	0.1543 ppm	0.0014 ppm	1.0363 ppm
Concentration per Run 3	0.0000 ppm	30.0057 ppm	0.0149 ppm	0.0058 ppm	0.1500 ppm	0.0013 ppm	1.0055 ppm
Concentration RSD	75.1 %	1.2 %	3.6 %	12.6 %	1.5 %	3.6 %	1.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0098 ppm	0.0505 ppm	0.0475 ppm	48.3979 ppm	1.9464 ppm	0.0327 ppm
Concentration per Run 1	0.0011 ppm	0.0101 ppm	0.0506 ppm	0.0475 ppm	48.0098 ppm	1.9653 ppm	0.0325 ppm
Concentration per Run 2	0.0010 ppm	0.0097 ppm	0.0506 ppm	0.0474 ppm	49.2687 ppm	1.9583 ppm	0.0335 ppm
Concentration per Run 3	0.0010 ppm	0.0096 ppm	0.0504 ppm	0.0476 ppm	47.9151 ppm	1.9155 ppm	0.0323 ppm
Concentration RSD	6.5 %	2.5 %	0.2 %	0.3 %	1.6 %	1.4 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.4517 ppm	0.2004 ppm	0.0064 ppm	0.1166 ppm	0.0359 ppm	0.1832 ppm	0.0024 ppm
Concentration per Run 1	4.4816 ppm	0.1987 ppm	0.0066 ppm	0.1176 ppm	0.0367 ppm	0.1828 ppm	0.0029 ppm
Concentration per Run 2	4.4517 ppm	0.2042 ppm	0.0062 ppm	0.1182 ppm	0.0353 ppm	0.1841 ppm	0.0021 ppm
Concentration per Run 3	4.4217 ppm	0.1983 ppm	0.0065 ppm	0.1141 ppm	0.0359 ppm	0.1826 ppm	0.0021 ppm
Concentration RSD	0.7 %	1.6 %	3.4 %	1.9 %	2.0 %	0.5 %	20.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	11.6474 ppm	0.0086 ppm	0.0142 ppm	0.6206 ppm	-0.0001 ppm	0.0639 ppm
Concentration per Run 1	0.0040 ppm	11.9110 ppm	0.0084 ppm	0.0140 ppm	0.6207 ppm	-0.0002 ppm	0.0642 ppm
Concentration per Run 2	0.0021 ppm	11.5171 ppm	0.0085 ppm	0.0145 ppm	0.6166 ppm	0.0007 ppm	0.0638 ppm
Concentration per Run 3	0.0047 ppm	11.5142 ppm	0.0090 ppm	0.0142 ppm	0.6246 ppm	-0.0006 ppm	0.0637 ppm
Concentration RSD	36.7 %	2.0 %	3.8 %	1.9 %	0.6 %	903.1 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1603 ppm	100.9915 %	102.4429 %	95.6320 %	101.7877 %	104.7786 %	103.3822 %
Concentration per Run 1	0.1617 ppm	100.6787 %	103.1835 %	95.2891 %	101.5170 %	105.3446 %	103.0276 %
Concentration per Run 2	0.1608 ppm	100.6214 %	100.8705 %	95.2722 %	101.3197 %	103.8600 %	103.2726 %
Concentration per Run 3	0.1584 ppm	101.6743 %	103.2748 %	96.3348 %	102.5264 %	105.1314 %	103.8463 %
Concentration RSD	1.1 %	0.6 %	1.3 %	0.6 %	0.6 %	0.8 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-02d2 WG2085573
Analysis started at: 7/1/2025 11:51:38 AM
Rack 1
Vial 31
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	20.0734 ppm	0.0184 ppm	0.0088 ppm	0.1491 ppm	0.0005 ppm	1.0803 ppm
Concentration per Run 1	-0.0003 ppm	20.0267 ppm	0.0182 ppm	0.0080 ppm	0.1490 ppm	0.0006 ppm	1.0716 ppm
Concentration per Run 2	0.0000 ppm	20.1734 ppm	0.0184 ppm	0.0093 ppm	0.1489 ppm	0.0005 ppm	1.0841 ppm
Concentration per Run 3	0.0000 ppm	20.0201 ppm	0.0187 ppm	0.0092 ppm	0.1495 ppm	0.0005 ppm	1.0852 ppm
Concentration RSD	232.5 %	0.4 %	1.2 %	8.1 %	0.2 %	3.7 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0052 ppm	0.0506 ppm	0.1482 ppm	41.1921 ppm	1.7997 ppm	0.0200 ppm
Concentration per Run 1	0.0011 ppm	0.0056 ppm	0.0510 ppm	0.1478 ppm	40.9224 ppm	1.8047 ppm	0.0203 ppm
Concentration per Run 2	0.0011 ppm	0.0052 ppm	0.0501 ppm	0.1481 ppm	41.2524 ppm	1.8031 ppm	0.0202 ppm
Concentration per Run 3	0.0010 ppm	0.0050 ppm	0.0507 ppm	0.1487 ppm	41.4014 ppm	1.7912 ppm	0.0195 ppm
Concentration RSD	3.4 %	5.7 %	0.9 %	0.3 %	0.6 %	0.4 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.1325 ppm	0.0926 ppm	0.0027 ppm	0.1024 ppm	0.0147 ppm	0.8252 ppm	0.0042 ppm
Concentration per Run 1	2.1412 ppm	0.0924 ppm	0.0026 ppm	0.1008 ppm	0.0144 ppm	0.8321 ppm	0.0029 ppm
Concentration per Run 2	2.1314 ppm	0.0928 ppm	0.0025 ppm	0.1026 ppm	0.0147 ppm	0.8240 ppm	0.0041 ppm
Concentration per Run 3	2.1248 ppm	0.0927 ppm	0.0028 ppm	0.1037 ppm	0.0151 ppm	0.8196 ppm	0.0057 ppm
Concentration RSD	0.4 %	0.2 %	6.4 %	1.4 %	2.4 %	0.8 %	33.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0024 ppm	8.2603 ppm	0.0097 ppm	0.0085 ppm	0.4473 ppm	-0.0001 ppm	0.0606 ppm
Concentration per Run 1	0.0028 ppm	8.3376 ppm	0.0096 ppm	0.0085 ppm	0.4410 ppm	0.0003 ppm	0.0603 ppm
Concentration per Run 2	0.0019 ppm	8.2904 ppm	0.0096 ppm	0.0085 ppm	0.4450 ppm	-0.0007 ppm	0.0605 ppm
Concentration per Run 3	0.0025 ppm	8.1530 ppm	0.0100 ppm	0.0085 ppm	0.4559 ppm	0.0000 ppm	0.0608 ppm
Concentration RSD	18.9 %	1.2 %	2.3 %	0.2 %	1.7 %	544.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1317 ppm	101.6436 %	105.4393 %	97.6651 %	102.1596 %	106.3295 %	102.7259 %
Concentration per Run 1	0.1326 ppm	101.5513 %	105.9497 %	96.7369 %	102.7290 %	106.5096 %	102.3506 %
Concentration per Run 2	0.1313 ppm	101.8177 %	105.7509 %	97.6294 %	102.2157 %	106.6658 %	102.8018 %
Concentration per Run 3	0.1310 ppm	101.5619 %	104.6173 %	98.6288 %	101.5341 %	105.8133 %	103.0254 %
Concentration RSD	0.6 %	0.1 %	0.7 %	1.0 %	0.6 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-03d2 WG2085573
Analysis started at: 7/1/2025 11:54:51 AM
Rack 1
Vial 32
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	22.0835 ppm	0.0269 ppm	0.0092 ppm	0.0750 ppm	0.0007 ppm	0.5041 ppm
Concentration per Run 1	0.0003 ppm	22.3253 ppm	0.0279 ppm	0.0090 ppm	0.0759 ppm	0.0007 ppm	0.5089 ppm
Concentration per Run 2	-0.0001 ppm	21.9878 ppm	0.0269 ppm	0.0089 ppm	0.0745 ppm	0.0007 ppm	0.5057 ppm
Concentration per Run 3	0.0001 ppm	21.9375 ppm	0.0259 ppm	0.0097 ppm	0.0746 ppm	0.0007 ppm	0.4976 ppm
Concentration RSD	167.8 %	1.0 %	3.8 %	4.8 %	1.0 %	0.8 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0007 ppm	0.0050 ppm	0.0354 ppm	0.0994 ppm	34.9734 ppm	1.7780 ppm	0.0213 ppm
Concentration per Run 1	0.0007 ppm	0.0050 ppm	0.0356 ppm	0.1006 ppm	35.1632 ppm	1.8213 ppm	0.0223 ppm
Concentration per Run 2	0.0008 ppm	0.0047 ppm	0.0352 ppm	0.0984 ppm	34.9258 ppm	1.7631 ppm	0.0212 ppm
Concentration per Run 3	0.0007 ppm	0.0052 ppm	0.0353 ppm	0.0993 ppm	34.8311 ppm	1.7497 ppm	0.0205 ppm
Concentration RSD	5.4 %	5.5 %	0.5 %	1.1 %	0.5 %	2.1 %	4.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.0987 ppm	0.0824 ppm	0.0025 ppm	0.1176 ppm	0.0168 ppm	0.7918 ppm	0.0112 ppm
Concentration per Run 1	2.1078 ppm	0.0833 ppm	0.0025 ppm	0.1194 ppm	0.0166 ppm	0.7985 ppm	0.0128 ppm
Concentration per Run 2	2.0998 ppm	0.0819 ppm	0.0026 ppm	0.1197 ppm	0.0170 ppm	0.7910 ppm	0.0121 ppm
Concentration per Run 3	2.0885 ppm	0.0820 ppm	0.0026 ppm	0.1136 ppm	0.0166 ppm	0.7860 ppm	0.0086 ppm
Concentration RSD	0.5 %	1.0 %	1.8 %	2.9 %	1.5 %	0.8 %	20.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0052 ppm	10.7363 ppm	0.0093 ppm	0.0071 ppm	0.5589 ppm	-0.0003 ppm	0.0971 ppm
Concentration per Run 1	0.0056 ppm	10.8464 ppm	0.0086 ppm	0.0072 ppm	0.5605 ppm	-0.0003 ppm	0.0973 ppm
Concentration per Run 2	0.0043 ppm	10.9536 ppm	0.0098 ppm	0.0072 ppm	0.5633 ppm	-0.0004 ppm	0.0973 ppm
Concentration per Run 3	0.0057 ppm	10.4090 ppm	0.0094 ppm	0.0069 ppm	0.5528 ppm	-0.0003 ppm	0.0968 ppm
Concentration RSD	15.0 %	2.7 %	6.2 %	2.6 %	1.0 %	11.0 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0799 ppm	102.1302 %	105.1339 %	98.1476 %	102.4135 %	105.4871 %	103.5858 %
Concentration per Run 1	0.0803 ppm	101.0185 %	104.6364 %	97.3356 %	101.8497 %	105.6494 %	103.4199 %
Concentration per Run 2	0.0797 ppm	102.8086 %	105.0790 %	97.6518 %	102.7857 %	104.9390 %	102.7499 %
Concentration per Run 3	0.0796 ppm	102.5635 %	105.6863 %	99.4555 %	102.6051 %	105.8728 %	104.5875 %
Concentration RSD	0.4 %	1.0 %	0.5 %	1.2 %	0.5 %	0.5 %	0.9 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-04d2 WG2085573
Analysis started at: 7/1/2025 11:58:04 AM
Rack 1
Vial 33
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	36.3092 ppm	0.0299 ppm	0.0068 ppm	0.2223 ppm	0.0018 ppm	2.7918 ppm
Concentration per Run 1	-0.0003 ppm	36.3381 ppm	0.0307 ppm	0.0064 ppm	0.2225 ppm	0.0018 ppm	2.8063 ppm
Concentration per Run 2	-0.0002 ppm	36.0096 ppm	0.0296 ppm	0.0069 ppm	0.2201 ppm	0.0018 ppm	2.7670 ppm
Concentration per Run 3	-0.0002 ppm	36.5799 ppm	0.0296 ppm	0.0070 ppm	0.2242 ppm	0.0018 ppm	2.8019 ppm
Concentration RSD	24.6 %	0.8 %	2.2 %	5.0 %	0.9 %	0.6 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0015 ppm	0.0104 ppm	0.0620 ppm	0.1276 ppm	69.9031 ppm	2.1014 ppm	0.0287 ppm
Concentration per Run 1	0.0016 ppm	0.0104 ppm	0.0622 ppm	0.1267 ppm	70.3536 ppm	2.1001 ppm	0.0292 ppm
Concentration per Run 2	0.0016 ppm	0.0105 ppm	0.0623 ppm	0.1285 ppm	68.9936 ppm	2.0709 ppm	0.0282 ppm
Concentration per Run 3	0.0014 ppm	0.0104 ppm	0.0616 ppm	0.1277 ppm	70.3621 ppm	2.1332 ppm	0.0287 ppm
Concentration RSD	6.4 %	0.7 %	0.6 %	0.7 %	1.1 %	1.5 %	1.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.9406 ppm	0.4129 ppm	0.0032 ppm	0.1205 ppm	0.0351 ppm	0.5791 ppm	0.0064 ppm
Concentration per Run 1	3.9166 ppm	0.4155 ppm	0.0028 ppm	0.1192 ppm	0.0345 ppm	0.5792 ppm	0.0066 ppm
Concentration per Run 2	3.9627 ppm	0.4092 ppm	0.0031 ppm	0.1207 ppm	0.0354 ppm	0.5816 ppm	0.0053 ppm
Concentration per Run 3	3.9425 ppm	0.4140 ppm	0.0036 ppm	0.1216 ppm	0.0352 ppm	0.5766 ppm	0.0073 ppm
Concentration RSD	0.6 %	0.8 %	12.9 %	1.0 %	1.4 %	0.4 %	15.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0034 ppm	8.1811 ppm	0.0144 ppm	0.0228 ppm	0.5577 ppm	0.0001 ppm	0.0962 ppm
Concentration per Run 1	0.0035 ppm	8.2815 ppm	0.0140 ppm	0.0228 ppm	0.5684 ppm	-0.0006 ppm	0.0955 ppm
Concentration per Run 2	0.0035 ppm	8.2527 ppm	0.0149 ppm	0.0226 ppm	0.5576 ppm	0.0000 ppm	0.0971 ppm
Concentration per Run 3	0.0032 ppm	8.0091 ppm	0.0143 ppm	0.0229 ppm	0.5471 ppm	0.0009 ppm	0.0960 ppm
Concentration RSD	4.4 %	1.8 %	3.0 %	0.7 %	1.9 %	924.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2746 ppm	102.3404 %	104.9675 %	95.4977 %	105.0123 %	108.4742 %	106.0216 %
Concentration per Run 1	0.2749 ppm	102.0006 %	104.6489 %	95.7845 %	104.5775 %	108.7925 %	105.9391 %
Concentration per Run 2	0.2754 ppm	102.1575 %	105.8314 %	95.3241 %	105.0137 %	108.2689 %	105.8785 %
Concentration per Run 3	0.2735 ppm	102.8631 %	104.4222 %	95.3846 %	105.4458 %	108.3611 %	106.2471 %
Concentration RSD	0.3 %	0.4 %	0.7 %	0.3 %	0.4 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-05d2 WG2085573
Analysis started at: 7/1/2025 12:01:17 PM
Rack 1
Vial 34
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0004 ppm	24.4089 ppm	0.0428 ppm	0.0058 ppm	0.2005 ppm	0.0015 ppm	2.9866 ppm
Concentration per Run 1	0.0005 ppm	24.4744 ppm	0.0422 ppm	0.0054 ppm	0.2009 ppm	0.0015 ppm	2.9794 ppm
Concentration per Run 2	0.0006 ppm	24.3368 ppm	0.0429 ppm	0.0062 ppm	0.2008 ppm	0.0015 ppm	2.9822 ppm
Concentration per Run 3	0.0003 ppm	24.4156 ppm	0.0432 ppm	0.0058 ppm	0.1999 ppm	0.0015 ppm	2.9983 ppm
Concentration RSD	36.8 %	0.3 %	1.3 %	6.9 %	0.3 %	1.1 %	0.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0019 ppm	0.0134 ppm	0.0428 ppm	0.1801 ppm	44.7957 ppm	1.8684 ppm	0.0225 ppm
Concentration per Run 1	0.0018 ppm	0.0134 ppm	0.0425 ppm	0.1809 ppm	44.7167 ppm	1.8807 ppm	0.0225 ppm
Concentration per Run 2	0.0019 ppm	0.0130 ppm	0.0431 ppm	0.1799 ppm	44.8962 ppm	1.8867 ppm	0.0230 ppm
Concentration per Run 3	0.0019 ppm	0.0138 ppm	0.0427 ppm	0.1795 ppm	44.7742 ppm	1.8378 ppm	0.0219 ppm
Concentration RSD	1.6 %	3.0 %	0.7 %	0.4 %	0.2 %	1.4 %	2.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.8162 ppm	0.5121 ppm	0.0038 ppm	0.1299 ppm	0.0386 ppm	1.4583 ppm	0.0185 ppm
Concentration per Run 1	2.8092 ppm	0.5108 ppm	0.0034 ppm	0.1249 ppm	0.0383 ppm	1.4620 ppm	0.0169 ppm
Concentration per Run 2	2.8173 ppm	0.5131 ppm	0.0039 ppm	0.1351 ppm	0.0389 ppm	1.4549 ppm	0.0185 ppm
Concentration per Run 3	2.8220 ppm	0.5123 ppm	0.0040 ppm	0.1296 ppm	0.0386 ppm	1.4579 ppm	0.0200 ppm
Concentration RSD	0.2 %	0.2 %	7.7 %	3.9 %	0.7 %	0.2 %	8.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	8.0570 ppm	0.0204 ppm	0.0317 ppm	0.4931 ppm	0.0001 ppm	0.1218 ppm
Concentration per Run 1	0.0057 ppm	8.1786 ppm	0.0203 ppm	0.0316 ppm	0.5026 ppm	-0.0003 ppm	0.1217 ppm
Concentration per Run 2	0.0047 ppm	8.0358 ppm	0.0198 ppm	0.0318 ppm	0.4972 ppm	0.0004 ppm	0.1220 ppm
Concentration per Run 3	0.0046 ppm	7.9568 ppm	0.0211 ppm	0.0315 ppm	0.4796 ppm	0.0000 ppm	0.1217 ppm
Concentration RSD	12.4 %	1.4 %	3.0 %	0.4 %	2.4 %	622.5 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3353 ppm	102.7688 %	105.0959 %	96.9547 %	106.6551 %	109.8465 %	106.9559 %
Concentration per Run 1	0.3353 ppm	103.4873 %	104.8521 %	97.2791 %	107.5291 %	109.4314 %	108.0680 %
Concentration per Run 2	0.3355 ppm	102.6998 %	105.2643 %	97.0553 %	106.7212 %	110.0232 %	106.7794 %
Concentration per Run 3	0.3352 ppm	102.1193 %	105.1713 %	96.5298 %	105.7151 %	110.0850 %	106.0204 %
Concentration RSD	0.0 %	0.7 %	0.2 %	0.4 %	0.9 %	0.3 %	1.0 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 12:06:32 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4842 ppm	0.4682 ppm	0.4637 ppm	0.4553 ppm	0.4834 ppm	0.4807 ppm	0.4631 ppm
Concentration per Run 1	0.4825 ppm	0.4726 ppm	0.4663 ppm	0.4520 ppm	0.4838 ppm	0.4796 ppm	0.4640 ppm
Concentration per Run 2	0.4885 ppm	0.4675 ppm	0.4622 ppm	0.4615 ppm	0.4850 ppm	0.4813 ppm	0.4618 ppm
Concentration per Run 3	0.4817 ppm	0.4645 ppm	0.4625 ppm	0.4524 ppm	0.4814 ppm	0.4812 ppm	0.4635 ppm
Recovery Percentage 1	96.849 %	93.637 %	92.734 %	91.065 %	96.681 %	96.142 %	92.616 %
Concentration RSD	0.8 %	0.9 %	0.5 %	1.2 %	0.4 %	0.2 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4466 ppm	0.4644 ppm	0.4680 ppm	0.4907 ppm	0.4796 ppm	5.1871 ppm	0.5054 ppm
Concentration per Run 1	0.4499 ppm	0.4665 ppm	0.4667 ppm	0.4907 ppm	0.4777 ppm	5.2163 ppm	0.5086 ppm
Concentration per Run 2	0.4448 ppm	0.4625 ppm	0.4715 ppm	0.4935 ppm	0.4788 ppm	5.1826 ppm	0.5037 ppm
Concentration per Run 3	0.4453 ppm	0.4643 ppm	0.4659 ppm	0.4879 ppm	0.4823 ppm	5.1623 ppm	0.5040 ppm
Recovery Percentage 1	89.330 %	92.888 %	93.607 %	98.139 %	95.918 %	103.742 %	101.088 %
Concentration RSD	0.6 %	0.4 %	0.6 %	0.6 %	0.5 %	0.5 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4652 ppm	0.4755 ppm	0.4525 ppm	10.1932 ppm	0.4760 ppm	0.4700 ppm	0.4954 ppm
Concentration per Run 1	0.4652 ppm	0.4764 ppm	0.4547 ppm	10.3046 ppm	0.4765 ppm	0.4706 ppm	0.4954 ppm
Concentration per Run 2	0.4674 ppm	0.4742 ppm	0.4522 ppm	10.1945 ppm	0.4782 ppm	0.4699 ppm	0.4963 ppm
Concentration per Run 3	0.4631 ppm	0.4758 ppm	0.4507 ppm	10.0804 ppm	0.4732 ppm	0.4696 ppm	0.4946 ppm
Recovery Percentage 1	93.044 %	95.098 %	90.505 %	101.932 %	95.196 %	94.003 %	99.087 %
Concentration RSD	0.5 %	0.2 %	0.4 %	1.1 %	0.5 %	0.1 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4597 ppm	5.0499 ppm	0.4854 ppm	0.4817 ppm	0.4653 ppm	0.4847 ppm	0.4783 ppm
Concentration per Run 1	0.4603 ppm	5.0456 ppm	0.4850 ppm	0.4816 ppm	0.4644 ppm	0.4866 ppm	0.4798 ppm
Concentration per Run 2	0.4620 ppm	5.0716 ppm	0.4885 ppm	0.4838 ppm	0.4671 ppm	0.4822 ppm	0.4776 ppm
Concentration per Run 3	0.4566 ppm	5.0327 ppm	0.4828 ppm	0.4797 ppm	0.4643 ppm	0.4852 ppm	0.4776 ppm
Recovery Percentage 1	91.931 %	96.189 %	97.086 %	96.342 %	93.055 %	96.931 %	95.669 %
Concentration RSD	0.6 %	0.4 %	0.6 %	0.4 %	0.3 %	0.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4654 ppm	101.9834 %	104.7352 %	99.4451 %	99.8960 %	103.1768 %	100.5950 %
Concentration per Run 1	0.4662 ppm	102.4469 %	104.5873 %	99.3388 %	100.8446 %	103.2212 %	100.4696 %
Concentration per Run 2	0.4677 ppm	101.1653 %	104.8191 %	99.4474 %	98.5495 %	103.3518 %	100.5730 %
Concentration per Run 3	0.4623 ppm	102.3381 %	104.7993 %	99.5490 %	100.2940 %	102.9573 %	100.7425 %
Recovery Percentage 1	93.079 %						
Concentration RSD	0.6 %	0.7 %	0.1 %	0.1 %	1.2 %	0.2 %	0.1 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 12:09:45 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0034 ppm	0.0007 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	-0.0001 ppm	-0.0039 ppm	0.0008 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 2	0.0003 ppm	-0.0041 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	0.0003 ppm	-0.0022 ppm	0.0012 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0024 ppm
Recovery Percentage 1	1.951 %	-3.387 %	13.279 %	-0.643 %	0.608 %	-0.155 %	1.499 %
Concentration RSD	179.7 %	30.6 %	94.0 %	188.6 %	134.1 %	31.5 %	50.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0016 ppm	-0.0018 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	0.0011 ppm	-0.0021 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm	0.0014 ppm	-0.0097 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0003 ppm	-0.0002 ppm	0.0023 ppm	0.0064 ppm	0.0006 ppm
Recovery Percentage 1	-0.282 %	0.674 %	2.027 %	-2.145 %	3.159 %	-0.071 %	7.276 %
Concentration RSD	386.7 %	59.6 %	66.5 %	94.4 %	39.7 %	449.1 %	106.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0019 ppm	-0.0035 ppm	0.0001 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 1	0.0006 ppm	0.0001 ppm	0.0021 ppm	-0.0045 ppm	0.0002 ppm	-0.0003 ppm	0.0018 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0020 ppm	-0.0039 ppm	0.0000 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run 3	-0.0007 ppm	-0.0001 ppm	0.0017 ppm	-0.0023 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm
Recovery Percentage 1	-0.095 %	0.186 %	3.823 %	-0.177 %	0.458 %	-2.890 %	-0.314 %
Concentration RSD	666.0 %	395.4 %	9.3 %	32.6 %	79.4 %	189.8 %	1,127.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0047 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0013 ppm	0.0032 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0020 ppm	0.0061 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 3	0.0013 ppm	0.0047 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Recovery Percentage 1	15.358 %	0.938 %	1.188 %	0.204 %	2.343 %	0.973 %	0.567 %
Concentration RSD	26.4 %	30.6 %	22.7 %	73.9 %	22.9 %	361.1 %	132.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	102.6833 %	104.0147 %	102.0592 %	102.9225 %	104.1569 %	102.9175 %
Concentration per Run 1	0.0003 ppm	102.0056 %	103.2310 %	102.5468 %	102.6174 %	103.5665 %	103.3169 %
Concentration per Run 2	0.0001 ppm	102.9894 %	104.3984 %	101.7883 %	103.3470 %	104.6123 %	102.5896 %
Concentration per Run 3	0.0002 ppm	103.0550 %	104.4148 %	101.8425 %	102.8031 %	104.2917 %	102.8459 %
Recovery Percentage 1	4.066 %						
Concentration RSD	58.5 %	0.6 %	0.7 %	0.4 %	0.4 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 12:22:34 PM
Rack 0
Vial 10
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4883 ppm	0.4689 ppm	0.4662 ppm	0.4588 ppm	0.4847 ppm	0.4831 ppm	0.4728 ppm
Concentration per Run 1	0.4875 ppm	0.4717 ppm	0.4672 ppm	0.4559 ppm	0.4848 ppm	0.4825 ppm	0.4694 ppm
Concentration per Run 2	0.4876 ppm	0.4704 ppm	0.4677 ppm	0.4579 ppm	0.4861 ppm	0.4819 ppm	0.4733 ppm
Concentration per Run 3	0.4899 ppm	0.4645 ppm	0.4636 ppm	0.4625 ppm	0.4831 ppm	0.4849 ppm	0.4758 ppm
Recovery Percentage 1	97.661 %	93.772 %	93.239 %	91.758 %	96.938 %	96.619 %	94.569 %
Concentration RSD	0.3 %	0.8 %	0.5 %	0.7 %	0.3 %	0.3 %	0.7 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4466 ppm	0.4653 ppm	0.4694 ppm	0.4930 ppm	0.4828 ppm	5.1458 ppm	0.5163 ppm
Concentration per Run 1	0.4474 ppm	0.4661 ppm	0.4684 ppm	0.4927 ppm	0.4801 ppm	5.1785 ppm	0.5216 ppm
Concentration per Run 2	0.4421 ppm	0.4605 ppm	0.4672 ppm	0.4921 ppm	0.4837 ppm	5.1931 ppm	0.5208 ppm
Concentration per Run 3	0.4503 ppm	0.4692 ppm	0.4726 ppm	0.4944 ppm	0.4847 ppm	5.0659 ppm	0.5065 ppm
Recovery Percentage 1	89.319 %	93.060 %	93.878 %	98.610 %	96.568 %	102.916 %	103.260 %
Concentration RSD	0.9 %	0.9 %	0.6 %	0.2 %	0.5 %	1.4 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4686 ppm	0.4805 ppm	0.4575 ppm	10.0958 ppm	0.4761 ppm	0.4706 ppm	0.4950 ppm
Concentration per Run 1	0.4669 ppm	0.4781 ppm	0.4577 ppm	10.0994 ppm	0.4747 ppm	0.4708 ppm	0.4934 ppm
Concentration per Run 2	0.4672 ppm	0.4812 ppm	0.4541 ppm	10.2238 ppm	0.4733 ppm	0.4698 ppm	0.4961 ppm
Concentration per Run 3	0.4715 ppm	0.4822 ppm	0.4608 ppm	9.9641 ppm	0.4804 ppm	0.4710 ppm	0.4957 ppm
Recovery Percentage 1	93.715 %	96.104 %	91.505 %	100.958 %	95.225 %	94.112 %	99.008 %
Concentration RSD	0.5 %	0.4 %	0.7 %	1.3 %	0.8 %	0.1 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4606 ppm	5.1335 ppm	0.4673 ppm	0.4856 ppm	0.4648 ppm	0.4890 ppm	0.4779 ppm
Concentration per Run 1	0.4606 ppm	5.1352 ppm	0.4694 ppm	0.4859 ppm	0.4650 ppm	0.4873 ppm	0.4777 ppm
Concentration per Run 2	0.4605 ppm	5.1089 ppm	0.4628 ppm	0.4869 ppm	0.4645 ppm	0.4893 ppm	0.4758 ppm
Concentration per Run 3	0.4607 ppm	5.1565 ppm	0.4696 ppm	0.4840 ppm	0.4649 ppm	0.4904 ppm	0.4803 ppm
Recovery Percentage 1	92.117 %	97.782 %	93.456 %	97.123 %	92.964 %	97.802 %	95.585 %
Concentration RSD	0.0 %	0.5 %	0.8 %	0.3 %	0.1 %	0.3 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4654 ppm	101.4976 %	102.7571 %	98.8911 %	99.1332 %	101.4039 %	99.4548 %
Concentration per Run 1	0.4665 ppm	101.4574 %	103.0846 %	99.1454 %	99.0588 %	102.0202 %	99.8541 %
Concentration per Run 2	0.4599 ppm	102.1139 %	103.0844 %	98.9246 %	99.7782 %	102.2357 %	99.2002 %
Concentration per Run 3	0.4698 ppm	100.9216 %	102.1023 %	98.6031 %	98.5627 %	99.9559 %	99.3102 %
Recovery Percentage 1	93.085 %						
Concentration RSD	1.1 %	0.6 %	0.6 %	0.3 %	0.6 %	1.2 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 12:26:05 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0013 ppm	0.0006 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	0.0002 ppm	-0.0010 ppm	0.0009 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 2	0.0001 ppm	0.0038 ppm	-0.0002 ppm	-0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	0.0010 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0033 ppm
Recovery Percentage 1	1.656 %	1.263 %	11.200 %	-0.808 %	0.563 %	0.028 %	1.970 %
Concentration RSD	99.9 %	193.6 %	122.7 %	340.1 %	53.9 %	1,045.5 %	61.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0003 ppm	0.0011 ppm	0.0041 ppm	0.0006 ppm
Concentration per Run 1	0.0001 ppm	0.0007 ppm	0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0013 ppm	0.0059 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0015 ppm	0.0057 ppm	0.0003 ppm
Recovery Percentage 1	1.247 %	1.129 %	0.316 %	-2.578 %	2.127 %	0.165 %	11.668 %
Concentration RSD	139.8 %	166.6 %	276.3 %	67.6 %	52.4 %	70.6 %	56.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0002 ppm	0.0000 ppm	0.0022 ppm	-0.0023 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	0.0007 ppm	-0.0001 ppm	0.0023 ppm	-0.0044 ppm	0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run 2	0.0005 ppm	-0.0001 ppm	0.0020 ppm	-0.0032 ppm	0.0004 ppm	0.0006 ppm	-0.0002 ppm
Concentration per Run 3	-0.0007 ppm	0.0000 ppm	0.0022 ppm	0.0008 ppm	0.0003 ppm	0.0001 ppm	-0.0002 ppm
Recovery Percentage 1	0.182 %	-0.467 %	4.379 %	-0.113 %	1.049 %	0.521 %	-0.471 %
Concentration RSD	410.3 %	123.8 %	6.3 %	122.1 %	56.9 %	1,116.1 %	8.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	0.0044 ppm	0.0011 ppm	0.0000 ppm	0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0027 ppm	0.0042 ppm	0.0015 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0001 ppm
Concentration per Run 2	0.0009 ppm	0.0045 ppm	0.0009 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0029 ppm	0.0046 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Recovery Percentage 1	21.967 %	0.884 %	2.117 %	0.000 %	3.123 %	4.418 %	0.192 %
Concentration RSD	50.6 %	5.3 %	37.3 %	19,759.7 %	39.3 %	46.6 %	283.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	101.0182 %	102.0540 %	101.5205 %	101.3706 %	102.3455 %	101.7819 %
Concentration per Run 1	0.0000 ppm	100.6674 %	102.0841 %	102.2992 %	101.0759 %	102.2585 %	102.1183 %
Concentration per Run 2	0.0001 ppm	101.5000 %	101.6652 %	101.4316 %	101.9484 %	102.0420 %	101.8072 %
Concentration per Run 3	0.0000 ppm	100.8871 %	102.4126 %	100.8309 %	101.0874 %	102.7360 %	101.4202 %
Recovery Percentage 1	0.776 %						
Concentration RSD	99.7 %	0.4 %	0.4 %	0.7 %	0.5 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-06d2 WG2085573
Analysis started at: 7/1/2025 12:29:20 PM
Rack 1
Vial 35
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0003 ppm	25.4326 ppm	0.0103 ppm	0.0050 ppm	0.1135 ppm	0.0013 ppm	1.1784 ppm
Concentration per Run 1	-0.0003 ppm	25.4279 ppm	0.0098 ppm	0.0047 ppm	0.1134 ppm	0.0012 ppm	1.1787 ppm
Concentration per Run 2	-0.0002 ppm	25.4395 ppm	0.0116 ppm	0.0055 ppm	0.1137 ppm	0.0013 ppm	1.1764 ppm
Concentration per Run 3	-0.0002 ppm	25.4305 ppm	0.0096 ppm	0.0049 ppm	0.1134 ppm	0.0013 ppm	1.1802 ppm
Concentration RSD	27.7 %	0.0 %	10.4 %	7.8 %	0.2 %	2.0 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0010 ppm	0.0077 ppm	0.0432 ppm	0.0564 ppm	50.6404 ppm	1.4379 ppm	0.0256 ppm
Concentration per Run 1	0.0009 ppm	0.0082 ppm	0.0433 ppm	0.0561 ppm	50.7387 ppm	1.4646 ppm	0.0267 ppm
Concentration per Run 2	0.0010 ppm	0.0075 ppm	0.0431 ppm	0.0567 ppm	50.6986 ppm	1.4173 ppm	0.0249 ppm
Concentration per Run 3	0.0010 ppm	0.0074 ppm	0.0433 ppm	0.0565 ppm	50.4839 ppm	1.4318 ppm	0.0252 ppm
Concentration RSD	5.7 %	5.1 %	0.3 %	0.6 %	0.3 %	1.7 %	3.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	3.7738 ppm	0.2348 ppm	0.0027 ppm	0.0794 ppm	0.0284 ppm	0.1828 ppm	0.0041 ppm
Concentration per Run 1	3.7821 ppm	0.2360 ppm	0.0026 ppm	0.0784 ppm	0.0278 ppm	0.1833 ppm	0.0035 ppm
Concentration per Run 2	3.7691 ppm	0.2349 ppm	0.0027 ppm	0.0804 ppm	0.0289 ppm	0.1826 ppm	0.0055 ppm
Concentration per Run 3	3.7703 ppm	0.2336 ppm	0.0029 ppm	0.0794 ppm	0.0286 ppm	0.1826 ppm	0.0034 ppm
Concentration RSD	0.2 %	0.5 %	6.3 %	1.3 %	2.0 %	0.2 %	28.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	8.8270 ppm	0.0060 ppm	0.0115 ppm	0.5268 ppm	-0.0003 ppm	0.0534 ppm
Concentration per Run 1	0.0015 ppm	8.9692 ppm	0.0055 ppm	0.0114 ppm	0.5071 ppm	-0.0001 ppm	0.0536 ppm
Concentration per Run 2	0.0031 ppm	8.8012 ppm	0.0064 ppm	0.0117 ppm	0.5315 ppm	-0.0008 ppm	0.0531 ppm
Concentration per Run 3	0.0022 ppm	8.7107 ppm	0.0061 ppm	0.0114 ppm	0.5418 ppm	0.0002 ppm	0.0535 ppm
Concentration RSD	34.5 %	1.5 %	7.7 %	1.6 %	3.4 %	195.9 %	0.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1567 ppm	101.5744 %	104.8216 %	95.7062 %	102.1894 %	105.7562 %	102.4978 %
Concentration per Run 1	0.1580 ppm	101.2088 %	105.0029 %	95.4253 %	101.4619 %	106.0991 %	102.4676 %
Concentration per Run 2	0.1561 ppm	101.7664 %	105.0474 %	95.9244 %	102.9104 %	105.8192 %	102.6658 %
Concentration per Run 3	0.1559 ppm	101.7478 %	104.4147 %	95.7687 %	102.1959 %	105.3504 %	102.3601 %
Concentration RSD	0.7 %	0.3 %	0.3 %	0.3 %	0.7 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-07d2 WG2085573
Analysis started at: 7/1/2025 12:32:34 PM
Rack 1
Vial 36
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	27.7081 ppm	0.0291 ppm	0.0081 ppm	0.3747 ppm	0.0020 ppm	4.9599 ppm
Concentration per Run 1	-0.0002 ppm	27.9028 ppm	0.0298 ppm	0.0075 ppm	0.3760 ppm	0.0020 ppm	4.9678 ppm
Concentration per Run 2	0.0000 ppm	27.5775 ppm	0.0290 ppm	0.0082 ppm	0.3734 ppm	0.0019 ppm	4.9338 ppm
Concentration per Run 3	0.0000 ppm	27.6438 ppm	0.0284 ppm	0.0087 ppm	0.3748 ppm	0.0020 ppm	4.9781 ppm
Concentration RSD	293.8 %	0.6 %	2.3 %	7.9 %	0.3 %	0.7 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0129 ppm	0.0137 ppm	0.0560 ppm	0.1726 ppm	73.3486 ppm	2.4674 ppm	0.0354 ppm
Concentration per Run 1	0.0128 ppm	0.0138 ppm	0.0568 ppm	0.1715 ppm	73.3529 ppm	2.4969 ppm	0.0359 ppm
Concentration per Run 2	0.0129 ppm	0.0140 ppm	0.0558 ppm	0.1735 ppm	73.4608 ppm	2.4571 ppm	0.0354 ppm
Concentration per Run 3	0.0129 ppm	0.0135 ppm	0.0554 ppm	0.1726 ppm	73.2322 ppm	2.4481 ppm	0.0348 ppm
Concentration RSD	0.5 %	1.8 %	1.3 %	0.6 %	0.2 %	1.1 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	4.3098 ppm	1.2083 ppm	0.0031 ppm	0.1361 ppm	0.0640 ppm	0.6106 ppm	0.0047 ppm
Concentration per Run 1	4.3366 ppm	1.2091 ppm	0.0031 ppm	0.1411 ppm	0.0645 ppm	0.6130 ppm	0.0037 ppm
Concentration per Run 2	4.3105 ppm	1.2090 ppm	0.0031 ppm	0.1343 ppm	0.0629 ppm	0.6114 ppm	0.0051 ppm
Concentration per Run 3	4.2824 ppm	1.2069 ppm	0.0031 ppm	0.1328 ppm	0.0646 ppm	0.6072 ppm	0.0054 ppm
Concentration RSD	0.6 %	0.1 %	1.0 %	3.3 %	1.5 %	0.5 %	18.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	7.9600 ppm	0.0393 ppm	0.0380 ppm	0.5816 ppm	-0.0009 ppm	0.0635 ppm
Concentration per Run 1	0.0030 ppm	7.9844 ppm	0.0392 ppm	0.0383 ppm	0.5892 ppm	-0.0009 ppm	0.0638 ppm
Concentration per Run 2	0.0019 ppm	8.0146 ppm	0.0385 ppm	0.0378 ppm	0.5873 ppm	-0.0001 ppm	0.0638 ppm
Concentration per Run 3	0.0018 ppm	7.8808 ppm	0.0400 ppm	0.0380 ppm	0.5682 ppm	-0.0018 ppm	0.0628 ppm
Concentration RSD	31.0 %	0.9 %	1.9 %	0.7 %	2.0 %	90.6 %	0.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	4.1044 ppm	100.5455 %	103.9973 %	94.2881 %	102.6413 %	106.8569 %	103.4555 %
Concentration per Run 1	4.1511 ppm	100.4921 %	104.2062 %	94.5622 %	102.6462 %	107.0201 %	103.7260 %
Concentration per Run 2	4.0694 ppm	100.5568 %	104.5051 %	94.1644 %	102.7773 %	107.4187 %	103.3567 %
Concentration per Run 3	4.0927 ppm	100.5876 %	103.2806 %	94.1377 %	102.5003 %	106.1321 %	103.2839 %
Concentration RSD	1.0 %	0.0 %	0.6 %	0.3 %	0.1 %	0.6 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-08d2 WG2085573
Analysis started at: 7/1/2025 12:35:48 PM
Rack 1
Vial 37
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	22.6857 ppm	0.0323 ppm	0.0113 ppm	0.3731 ppm	0.0014 ppm	8.3815 ppm
Concentration per Run 1	0.0005 ppm	22.7874 ppm	0.0317 ppm	0.0124 ppm	0.3735 ppm	0.0014 ppm	8.4705 ppm
Concentration per Run 2	0.0003 ppm	22.5592 ppm	0.0317 ppm	0.0105 ppm	0.3716 ppm	0.0013 ppm	8.3650 ppm
Concentration per Run 3	0.0006 ppm	22.7103 ppm	0.0334 ppm	0.0111 ppm	0.3741 ppm	0.0013 ppm	8.3089 ppm
Concentration RSD	36.1 %	0.5 %	2.9 %	8.6 %	0.3 %	1.2 %	1.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	0.0101 ppm	0.0685 ppm	0.5910 ppm	53.5674 ppm	2.2479 ppm	0.0186 ppm
Concentration per Run 1	0.0020 ppm	0.0098 ppm	0.0688 ppm	0.5934 ppm	53.9770 ppm	2.2709 ppm	0.0185 ppm
Concentration per Run 2	0.0021 ppm	0.0102 ppm	0.0686 ppm	0.5874 ppm	53.1435 ppm	2.2309 ppm	0.0186 ppm
Concentration per Run 3	0.0020 ppm	0.0103 ppm	0.0681 ppm	0.5923 ppm	53.5816 ppm	2.2420 ppm	0.0187 ppm
Concentration RSD	2.1 %	2.6 %	0.5 %	0.5 %	0.8 %	0.9 %	0.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.9879 ppm	0.5305 ppm	0.0052 ppm	0.2467 ppm	0.0366 ppm	3.2719 ppm	0.0406 ppm
Concentration per Run 1	3.0010 ppm	0.5356 ppm	0.0053 ppm	0.2480 ppm	0.0376 ppm	3.2533 ppm	0.0401 ppm
Concentration per Run 2	2.9926 ppm	0.5288 ppm	0.0052 ppm	0.2453 ppm	0.0364 ppm	3.2836 ppm	0.0412 ppm
Concentration per Run 3	2.9700 ppm	0.5272 ppm	0.0051 ppm	0.2469 ppm	0.0358 ppm	3.2789 ppm	0.0404 ppm
Concentration RSD	0.5 %	0.8 %	2.3 %	0.6 %	2.5 %	0.5 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0036 ppm	6.5983 ppm	0.0354 ppm	0.0444 ppm	0.5709 ppm	-0.0008 ppm	0.1439 ppm
Concentration per Run 1	0.0016 ppm	6.7067 ppm	0.0350 ppm	0.0445 ppm	0.5691 ppm	-0.0012 ppm	0.1443 ppm
Concentration per Run 2	0.0033 ppm	6.6115 ppm	0.0351 ppm	0.0442 ppm	0.5753 ppm	-0.0003 ppm	0.1440 ppm
Concentration per Run 3	0.0059 ppm	6.4767 ppm	0.0362 ppm	0.0444 ppm	0.5683 ppm	-0.0009 ppm	0.1433 ppm
Concentration RSD	60.1 %	1.8 %	1.8 %	0.2 %	0.7 %	62.6 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3340 ppm	101.5478 %	103.8586 %	95.4930 %	103.7620 %	107.5751 %	103.6215 %
Concentration per Run 1	0.3364 ppm	101.7278 %	103.0742 %	96.2254 %	103.9627 %	107.6502 %	104.1428 %
Concentration per Run 2	0.3355 ppm	101.3947 %	104.1892 %	95.1798 %	103.2107 %	107.4067 %	103.5199 %
Concentration per Run 3	0.3302 ppm	101.5210 %	104.3125 %	95.0738 %	104.1125 %	107.6683 %	103.2017 %
Concentration RSD	1.0 %	0.2 %	0.7 %	0.7 %	0.5 %	0.1 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540359-09d2 WG2085573
Analysis started at: 7/1/2025 12:39:00 PM
Rack 1
Vial 38
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0005 ppm	24.3791 ppm	0.0304 ppm	0.0288 ppm	0.3619 ppm	0.0015 ppm	24.3266 ppm
Concentration per Run 1	0.0006 ppm	24.4688 ppm	0.0312 ppm	0.0299 ppm	0.3636 ppm	0.0015 ppm	24.4506 ppm
Concentration per Run 2	0.0006 ppm	24.4362 ppm	0.0304 ppm	0.0285 ppm	0.3620 ppm	0.0015 ppm	24.2392 ppm
Concentration per Run 3	0.0002 ppm	24.2324 ppm	0.0297 ppm	0.0281 ppm	0.3600 ppm	0.0015 ppm	24.2901 ppm
Concentration RSD	51.4 %	0.5 %	2.4 %	3.4 %	0.5 %	1.3 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0026 ppm	0.0109 ppm	0.0521 ppm	0.2456 ppm	46.0150 ppm	3.4251 ppm	0.0198 ppm
Concentration per Run 1	0.0027 ppm	0.0111 ppm	0.0521 ppm	0.2468 ppm	46.1821 ppm	3.4752 ppm	0.0200 ppm
Concentration per Run 2	0.0027 ppm	0.0106 ppm	0.0521 ppm	0.2467 ppm	45.9523 ppm	3.4485 ppm	0.0199 ppm
Concentration per Run 3	0.0026 ppm	0.0108 ppm	0.0520 ppm	0.2432 ppm	45.9105 ppm	3.3516 ppm	0.0194 ppm
Concentration RSD	3.1 %	2.3 %	0.1 %	0.8 %	0.3 %	1.9 %	1.6 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	5.5173 ppm	0.9526 ppm	0.0050 ppm	0.3101 ppm	0.0426 ppm	2.6582 ppm	0.0317 ppm
Concentration per Run 1	5.5223 ppm	0.9544 ppm	0.0052 ppm	0.3153 ppm	0.0424 ppm	2.6522 ppm	0.0304 ppm
Concentration per Run 2	5.5074 ppm	0.9503 ppm	0.0047 ppm	0.3105 ppm	0.0428 ppm	2.6582 ppm	0.0311 ppm
Concentration per Run 3	5.5222 ppm	0.9532 ppm	0.0052 ppm	0.3044 ppm	0.0428 ppm	2.6642 ppm	0.0337 ppm
Concentration RSD	0.2 %	0.2 %	6.2 %	1.8 %	0.6 %	0.2 %	5.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0050 ppm	6.2136 ppm	0.0213 ppm	0.1125 ppm	0.5644 ppm	-0.0009 ppm	0.1051 ppm
Concentration per Run 1	0.0059 ppm	6.2469 ppm	0.0210 ppm	0.1129 ppm	0.5630 ppm	-0.0010 ppm	0.1059 ppm
Concentration per Run 2	0.0049 ppm	6.2582 ppm	0.0211 ppm	0.1127 ppm	0.5608 ppm	-0.0010 ppm	0.1047 ppm
Concentration per Run 3	0.0041 ppm	6.1356 ppm	0.0219 ppm	0.1119 ppm	0.5694 ppm	-0.0008 ppm	0.1048 ppm
Concentration RSD	18.4 %	1.1 %	2.5 %	0.5 %	0.8 %	15.4 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6186 ppm	100.7824 %	104.1017 %	93.8268 %	104.9062 %	108.9694 %	104.1623 %
Concentration per Run 1	0.6201 ppm	100.5344 %	103.2584 %	93.6570 %	105.0441 %	108.3077 %	104.0056 %
Concentration per Run 2	0.6157 ppm	100.8533 %	104.3835 %	94.0915 %	104.7550 %	109.3978 %	104.6191 %
Concentration per Run 3	0.6199 ppm	100.9595 %	104.6632 %	93.7321 %	104.9195 %	109.2028 %	103.8622 %
Concentration RSD	0.4 %	0.2 %	0.7 %	0.2 %	0.1 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540838-02d2 WG2085573
Analysis started at: 7/1/2025 12:42:12 PM
Rack 1
Vial 39
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0010 ppm	29.4004 ppm	0.0603 ppm	0.0818 ppm	0.2961 ppm	0.0026 ppm	13.9774 ppm
Concentration per Run 1	-0.0014 ppm	29.7533 ppm	0.0609 ppm	0.0813 ppm	0.2962 ppm	0.0026 ppm	13.8908 ppm
Concentration per Run 2	-0.0010 ppm	29.1276 ppm	0.0613 ppm	0.0818 ppm	0.2978 ppm	0.0027 ppm	14.1264 ppm
Concentration per Run 3	-0.0006 ppm	29.3204 ppm	0.0587 ppm	0.0824 ppm	0.2945 ppm	0.0026 ppm	13.9150 ppm
Concentration RSD	38.6 %	1.1 %	2.3 %	0.7 %	0.6 %	1.1 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0178 ppm	0.1380 ppm	0.1559 ppm	182.6843 ppm	3.6588 ppm	0.0294 ppm
Concentration per Run 1	0.0031 ppm	0.0176 ppm	0.1377 ppm	0.1561 ppm	181.9895 ppm	3.7589 ppm	0.0300 ppm
Concentration per Run 2	0.0030 ppm	0.0178 ppm	0.1386 ppm	0.1556 ppm	185.0098 ppm	3.6352 ppm	0.0292 ppm
Concentration per Run 3	0.0032 ppm	0.0178 ppm	0.1377 ppm	0.1559 ppm	181.0537 ppm	3.5824 ppm	0.0289 ppm
Concentration RSD	3.5 %	0.8 %	0.4 %	0.1 %	1.1 %	2.5 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	6.2623 ppm	0.5496 ppm	0.0070 ppm	82.0965 ppm	0.0428 ppm	0.5133 ppm	-0.0036 ppm
Concentration per Run 1	6.2628 ppm	0.5469 ppm	0.0066 ppm	83.6695 ppm	0.0427 ppm	0.5135 ppm	-0.0031 ppm
Concentration per Run 2	6.2467 ppm	0.5551 ppm	0.0070 ppm	80.9297 ppm	0.0426 ppm	0.5127 ppm	-0.0049 ppm
Concentration per Run 3	6.2774 ppm	0.5469 ppm	0.0073 ppm	81.6904 ppm	0.0430 ppm	0.5138 ppm	-0.0028 ppm
Concentration RSD	0.2 %	0.9 %	5.7 %	1.7 %	0.6 %	0.1 %	30.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0026 ppm	8.4040 ppm	0.0554 ppm	0.1233 ppm	1.1020 ppm	0.0003 ppm	0.2076 ppm
Concentration per Run 1	0.0033 ppm	8.4726 ppm	0.0562 ppm	0.1234 ppm	1.0988 ppm	0.0002 ppm	0.2073 ppm
Concentration per Run 2	0.0021 ppm	8.4507 ppm	0.0545 ppm	0.1243 ppm	1.1161 ppm	0.0005 ppm	0.2083 ppm
Concentration per Run 3	0.0025 ppm	8.2886 ppm	0.0555 ppm	0.1223 ppm	1.0912 ppm	0.0003 ppm	0.2072 ppm
Concentration RSD	22.9 %	1.2 %	1.6 %	0.8 %	1.2 %	52.1 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5803 ppm	98.9725 %	104.9876 %	87.6469 %	106.8204 %	114.0979 %	108.6860 %
Concentration per Run 1	0.5780 ppm	99.2115 %	105.4948 %	87.8981 %	106.9800 %	114.6126 %	109.0282 %
Concentration per Run 2	0.5823 ppm	99.3756 %	103.6407 %	87.5932 %	107.8166 %	113.1120 %	108.6818 %
Concentration per Run 3	0.5807 ppm	98.3304 %	105.8274 %	87.4493 %	105.6644 %	114.5692 %	108.3480 %
Concentration RSD	0.4 %	0.6 %	1.1 %	0.3 %	1.0 %	0.7 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540838-03d2 WG2085573
Analysis started at: 7/1/2025 12:45:24 PM
Rack 1
Vial 40
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0021 ppm	38.5129 ppm	0.2529 ppm	0.0209 ppm	0.1188 ppm	0.0046 ppm	2.8626 ppm
Concentration per Run 1	-0.0023 ppm	38.7167 ppm	0.2543 ppm	0.0216 ppm	0.1187 ppm	0.0046 ppm	2.8651 ppm
Concentration per Run 2	-0.0016 ppm	38.4188 ppm	0.2537 ppm	0.0201 ppm	0.1187 ppm	0.0046 ppm	2.8635 ppm
Concentration per Run 3	-0.0025 ppm	38.4032 ppm	0.2508 ppm	0.0211 ppm	0.1190 ppm	0.0046 ppm	2.8592 ppm
Concentration RSD	23.0 %	0.5 %	0.7 %	3.5 %	0.2 %	0.1 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0020 ppm	0.0448 ppm	0.3181 ppm	0.0459 ppm	221.0136 [SIC 700]	4.4278 ppm	0.0151 ppm
Concentration per Run 1	0.0021 ppm	0.0444 ppm	0.3190 ppm	0.0455 ppm	220.5512 ppm	4.4461 ppm	0.0151 ppm
Concentration per Run 2	0.0022 ppm	0.0458 ppm	0.3178 ppm	0.0465 ppm	221.0990 ppm	4.4135 ppm	0.0152 ppm
Concentration per Run 3	0.0018 ppm	0.0443 ppm	0.3173 ppm	0.0455 ppm	221.3908 ppm	4.4238 ppm	0.0148 ppm
Concentration RSD	11.3 %	1.8 %	0.3 %	1.3 %	0.2 %	0.4 %	1.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	2.5049 ppm	0.7188 ppm	0.0032 ppm	16.3212 ppm	0.0409 ppm	0.1645 ppm	-0.0030 ppm
Concentration per Run 1	2.5093 ppm	0.7200 ppm	0.0031 ppm	16.3251 ppm	0.0411 ppm	0.1650 ppm	-0.0015 ppm
Concentration per Run 2	2.5141 ppm	0.7182 ppm	0.0028 ppm	16.3234 ppm	0.0405 ppm	0.1640 ppm	-0.0045 ppm
Concentration per Run 3	2.4913 ppm	0.7181 ppm	0.0036 ppm	16.3151 ppm	0.0411 ppm	0.1647 ppm	-0.0031 ppm
Concentration RSD	0.5 %	0.1 %	12.4 %	0.0 %	0.8 %	0.3 %	49.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0033 ppm	4.7181 ppm	0.0085 ppm	0.0235 ppm	0.6667 ppm	0.0017 ppm	0.5655 ppm
Concentration per Run 1	0.0069 ppm	4.7462 ppm	0.0087 ppm	0.0233 ppm	0.6652 ppm	0.0009 ppm	0.5675 ppm
Concentration per Run 2	0.0020 ppm	4.7874 ppm	0.0081 ppm	0.0237 ppm	0.6724 ppm	0.0019 ppm	0.5646 ppm
Concentration per Run 3	0.0011 ppm	4.6206 ppm	0.0087 ppm	0.0234 ppm	0.6626 ppm	0.0025 ppm	0.5645 ppm
Concentration RSD	92.9 %	1.8 %	4.0 %	0.8 %	0.8 %	47.5 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4200 ppm	102.7213 %	107.4618 %	91.9894 %	111.9120 %	117.9678 %	113.7798 %
Concentration per Run 1	0.4217 ppm	102.5714 %	107.6273 %	91.6915 %	111.7180 %	118.2589 %	113.6088 %
Concentration per Run 2	0.4198 ppm	102.4625 %	107.2767 %	91.9090 %	111.2419 %	117.6713 %	113.2632 %
Concentration per Run 3	0.4186 ppm	103.1300 %	107.4815 %	92.3676 %	112.7760 %	117.9732 %	114.4674 %
Concentration RSD	0.4 %	0.3 %	0.2 %	0.4 %	0.7 %	0.2 %	0.5 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: LDR Na 100
Analysis started at: 7/1/2025 12:51:01 PM
Rack 1
Vial 41
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0010 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 1	-0.0001 ppm	-0.0014 ppm	0.0011 ppm	-0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	0.0017 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0003 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0077 ppm
Concentration RSD	952.6 %	426.8 %	68.8 %	46.1 %	246.0 %	426.5 %	25.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm	0.0139 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm	0.0048 ppm	0.0083 ppm	-0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0051 ppm	0.0177 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm	0.0044 ppm	0.0157 ppm	0.0000 ppm
Concentration RSD	42.8 %	14.3 %	156.7 %	42.4 %	8.1 %	35.6 %	258.9 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0009 ppm	0.0001 ppm	-0.0002 ppm	99.9457 ppm	0.0005 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 1	0.0006 ppm	0.0001 ppm	-0.0004 ppm	101.3035 ppm	0.0009 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 2	0.0013 ppm	0.0001 ppm	-0.0001 ppm	99.3334 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0009 ppm	0.0000 ppm	0.0000 ppm	99.2002 ppm	0.0005 ppm	0.0007 ppm	0.0008 ppm
Concentration RSD	42.4 %	94.8 %	129.7 %	1.2 %	84.3 %	75.1 %	126.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0005 ppm	0.0039 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 1	-0.0005 ppm	0.0043 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 2	-0.0009 ppm	0.0040 ppm	0.0015 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0035 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0009 ppm	0.0000 ppm
Concentration RSD	95.5 %	10.2 %	100.9 %	109.8 %	79.5 %	42.2 %	323.8 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0004 ppm	97.4000 %	102.1724 %	92.4402 %	95.3956 %	100.5816 %	97.0495 %
Concentration per Run 1	0.0005 ppm	96.5056 %	101.6047 %	92.4558 %	95.0137 %	100.1475 %	97.1912 %
Concentration per Run 2	0.0005 ppm	97.6491 %	102.6068 %	92.7371 %	95.1524 %	101.1017 %	97.1406 %
Concentration per Run 3	0.0002 ppm	98.0454 %	102.3056 %	92.1277 %	96.0208 %	100.4955 %	96.8167 %
Concentration RSD	36.3 %	0.8 %	0.5 %	0.3 %	0.6 %	0.5 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540838-03d4 WG2085573
Analysis started at: 7/1/2025 12:59:44 PM
Rack 1
Vial 54
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0009 ppm	20.0865 ppm	0.1350 ppm	0.0107 ppm	0.0611 ppm	0.0023 ppm	1.4504 ppm
Concentration per Run 1	-0.0010 ppm	20.0864 ppm	0.1351 ppm	0.0108 ppm	0.0613 ppm	0.0023 ppm	1.4293 ppm
Concentration per Run 2	-0.0007 ppm	20.1288 ppm	0.1345 ppm	0.0108 ppm	0.0607 ppm	0.0023 ppm	1.4609 ppm
Concentration per Run 3	-0.0011 ppm	20.0444 ppm	0.1355 ppm	0.0106 ppm	0.0613 ppm	0.0023 ppm	1.4611 ppm
Concentration RSD	21.0 %	0.2 %	0.4 %	0.9 %	0.5 %	0.4 %	1.3 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0011 ppm	0.0232 ppm	0.1587 ppm	0.0233 ppm	117.9937 ppm	2.3605 ppm	0.0083 ppm
Concentration per Run 1	0.0012 ppm	0.0231 ppm	0.1583 ppm	0.0234 ppm	116.1403 ppm	2.4089 ppm	0.0086 ppm
Concentration per Run 2	0.0011 ppm	0.0235 ppm	0.1584 ppm	0.0234 ppm	118.6691 ppm	2.3332 ppm	0.0079 ppm
Concentration per Run 3	0.0011 ppm	0.0230 ppm	0.1594 ppm	0.0229 ppm	119.1718 ppm	2.3392 ppm	0.0086 ppm
Concentration RSD	8.9 %	1.1 %	0.4 %	1.2 %	1.4 %	1.8 %	5.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	1.3068 ppm	0.3619 ppm	0.0012 ppm	8.3637 ppm	0.0210 ppm	0.0808 ppm	-0.0029 ppm
Concentration per Run 1	1.3033 ppm	0.3574 ppm	0.0014 ppm	8.5036 ppm	0.0208 ppm	0.0818 ppm	-0.0021 ppm
Concentration per Run 2	1.3092 ppm	0.3633 ppm	0.0006 ppm	8.3456 ppm	0.0206 ppm	0.0808 ppm	-0.0039 ppm
Concentration per Run 3	1.3078 ppm	0.3651 ppm	0.0016 ppm	8.2417 ppm	0.0215 ppm	0.0796 ppm	-0.0027 ppm
Concentration RSD	0.2 %	1.1 %	42.5 %	1.6 %	2.4 %	1.4 %	31.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	3.4920 ppm	0.0047 ppm	0.0119 ppm	0.3571 ppm	0.0002 ppm	0.2816 ppm
Concentration per Run 1	0.0038 ppm	3.4731 ppm	0.0038 ppm	0.0121 ppm	0.3513 ppm	-0.0006 ppm	0.2811 ppm
Concentration per Run 2	0.0037 ppm	3.4945 ppm	0.0056 ppm	0.0117 ppm	0.3579 ppm	0.0007 ppm	0.2817 ppm
Concentration per Run 3	0.0015 ppm	3.5084 ppm	0.0047 ppm	0.0119 ppm	0.3622 ppm	0.0005 ppm	0.2820 ppm
Concentration RSD	43.1 %	0.5 %	19.4 %	1.3 %	1.5 %	372.5 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2109 ppm	102.8347 %	105.9386 %	96.2454 %	105.9784 %	110.4245 %	106.6719 %
Concentration per Run 1	0.2095 ppm	102.7949 %	107.2388 %	95.6116 %	105.4258 %	111.2657 %	106.5528 %
Concentration per Run 2	0.2111 ppm	102.8038 %	105.6880 %	96.8042 %	106.3855 %	110.4802 %	106.9809 %
Concentration per Run 3	0.2122 ppm	102.9054 %	104.8889 %	96.3203 %	106.1240 %	109.5275 %	106.4821 %
Concentration RSD	0.6 %	0.1 %	1.1 %	0.6 %	0.5 %	0.8 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 1:04:11 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4876 ppm	0.4772 ppm	0.4627 ppm	0.4583 ppm	0.4917 ppm	0.4837 ppm	0.4683 ppm
Concentration per Run 1	0.4892 ppm	0.4819 ppm	0.4651 ppm	0.4608 ppm	0.4915 ppm	0.4825 ppm	0.4681 ppm
Concentration per Run 2	0.4885 ppm	0.4769 ppm	0.4596 ppm	0.4579 ppm	0.4921 ppm	0.4839 ppm	0.4685 ppm
Concentration per Run 3	0.4850 ppm	0.4729 ppm	0.4633 ppm	0.4560 ppm	0.4914 ppm	0.4848 ppm	0.4683 ppm
Recovery Percentage 1	97.514 %	95.442 %	92.535 %	91.651 %	98.331 %	96.747 %	93.660 %
Concentration RSD	0.5 %	0.9 %	0.6 %	0.5 %	0.1 %	0.2 %	0.0 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4497 ppm	0.4684 ppm	0.4727 ppm	0.4959 ppm	0.4862 ppm	5.2829 ppm	0.5154 ppm
Concentration per Run 1	0.4485 ppm	0.4705 ppm	0.4736 ppm	0.4983 ppm	0.4857 ppm	5.3165 ppm	0.5173 ppm
Concentration per Run 2	0.4507 ppm	0.4672 ppm	0.4732 ppm	0.4952 ppm	0.4866 ppm	5.3069 ppm	0.5176 ppm
Concentration per Run 3	0.4501 ppm	0.4675 ppm	0.4713 ppm	0.4942 ppm	0.4863 ppm	5.2254 ppm	0.5114 ppm
Recovery Percentage 1	89.949 %	93.681 %	94.535 %	99.182 %	97.236 %	105.659 %	103.086 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.4 %	0.1 %	0.9 %	0.7 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4712 ppm	0.4829 ppm	0.4570 ppm	10.4475 ppm	0.4807 ppm	0.4686 ppm	0.4953 ppm
Concentration per Run 1	0.4704 ppm	0.4808 ppm	0.4577 ppm	10.5406 ppm	0.4824 ppm	0.4700 ppm	0.4950 ppm
Concentration per Run 2	0.4714 ppm	0.4822 ppm	0.4576 ppm	10.4841 ppm	0.4821 ppm	0.4687 ppm	0.4953 ppm
Concentration per Run 3	0.4717 ppm	0.4856 ppm	0.4556 ppm	10.3178 ppm	0.4776 ppm	0.4671 ppm	0.4956 ppm
Recovery Percentage 1	94.237 %	96.578 %	91.393 %	104.475 %	96.136 %	93.718 %	99.057 %
Concentration RSD	0.1 %	0.5 %	0.3 %	1.1 %	0.6 %	0.3 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4608 ppm	5.0809 ppm	0.4906 ppm	0.4885 ppm	0.4675 ppm	0.4843 ppm	0.4812 ppm
Concentration per Run 1	0.4619 ppm	5.0834 ppm	0.4925 ppm	0.4892 ppm	0.4688 ppm	0.4817 ppm	0.4817 ppm
Concentration per Run 2	0.4619 ppm	5.0851 ppm	0.4901 ppm	0.4892 ppm	0.4680 ppm	0.4885 ppm	0.4816 ppm
Concentration per Run 3	0.4586 ppm	5.0741 ppm	0.4894 ppm	0.4870 ppm	0.4656 ppm	0.4826 ppm	0.4802 ppm
Recovery Percentage 1	92.157 %	96.778 %	98.129 %	97.690 %	93.491 %	96.856 %	96.233 %
Concentration RSD	0.4 %	0.1 %	0.3 %	0.3 %	0.4 %	0.8 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4698 ppm	100.9736 %	102.9274 %	98.6557 %	99.3194 %	101.7306 %	99.6383 %
Concentration per Run 1	0.4685 ppm	100.5813 %	102.9027 %	98.5141 %	99.0604 %	101.8008 %	99.5687 %
Concentration per Run 2	0.4720 ppm	101.0916 %	103.1718 %	98.7218 %	99.4446 %	101.7406 %	100.0054 %
Concentration per Run 3	0.4690 ppm	101.2478 %	102.7078 %	98.7312 %	99.4531 %	101.6504 %	99.3407 %
Recovery Percentage 1	93.968 %						
Concentration RSD	0.4 %	0.3 %	0.2 %	0.1 %	0.2 %	0.1 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 1:07:24 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0009 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	0.0001 ppm	-0.0034 ppm	0.0008 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 2	-0.0001 ppm	-0.0019 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run 3	0.0000 ppm	0.0041 ppm	0.0011 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm
Recovery Percentage 1	0.209 %	-0.383 %	18.817 %	-1.022 %	0.364 %	0.192 %	2.759 %
Concentration RSD	762.8 %	1,039.8 %	18.1 %	216.8 %	81.8 %	333.2 %	52.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0014 ppm	-0.0027 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0018 ppm	-0.0043 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0076 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0009 ppm	-0.0113 ppm	0.0005 ppm
Recovery Percentage 1	0.678 %	0.409 %	0.569 %	-1.181 %	2.805 %	-0.107 %	10.203 %
Concentration RSD	67.7 %	263.9 %	144.8 %	67.9 %	33.2 %	355.5 %	49.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0005 ppm	0.0001 ppm	0.0018 ppm	-0.0024 ppm	0.0003 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0005 ppm	0.0001 ppm	0.0021 ppm	-0.0021 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	0.0001 ppm	0.0018 ppm	-0.0027 ppm	0.0001 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0003 ppm	0.0002 ppm	0.0015 ppm	-0.0023 ppm	0.0003 ppm	-0.0003 ppm	0.0019 ppm
Recovery Percentage 1	0.550 %	1.030 %	3.640 %	-0.118 %	1.314 %	-1.406 %	1.330 %
Concentration RSD	60.5 %	57.6 %	16.7 %	12.4 %	65.3 %	436.8 %	156.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0018 ppm	0.0037 ppm	0.0007 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0015 ppm	0.0039 ppm	0.0011 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0024 ppm	0.0031 ppm	0.0006 ppm	0.0000 ppm	0.0005 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0017 ppm	0.0041 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0000 ppm
Recovery Percentage 1	18.362 %	0.740 %	1.420 %	0.146 %	4.064 %	1.571 %	0.420 %
Concentration RSD	25.8 %	13.8 %	42.1 %	207.5 %	31.0 %	179.4 %	53.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.9308 %	102.8905 %	100.4204 %	101.4870 %	103.3471 %	100.9381 %
Concentration per Run 1	0.0000 ppm	100.8785 %	102.5826 %	101.1040 %	101.6515 %	103.4702 %	101.3272 %
Concentration per Run 2	0.0003 ppm	100.9822 %	103.3825 %	100.2879 %	101.4567 %	104.0575 %	100.8531 %
Concentration per Run 3	0.0000 ppm	100.9315 %	102.7065 %	99.8695 %	101.3528 %	102.5135 %	100.6341 %
Recovery Percentage 1	1.667 %						
Concentration RSD	197.5 %	0.1 %	0.4 %	0.6 %	0.1 %	0.8 %	0.4 %

ICP DataTrace 9

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LabBook: WG2085565_07012025T9.imexp

Sample: WG2085608-1 WG2085608
Analysis started at: 7/1/2025 1:25:13 PM
Rack 1
Vial 42
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	0.0032 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0147 ppm
Concentration per Run 1	-0.0002 ppm	0.0053 ppm	0.0015 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0166 ppm
Concentration per Run 2	0.0002 ppm	-0.0004 ppm	-0.0011 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0139 ppm
Concentration per Run 3	0.0002 ppm	0.0048 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0134 ppm
Concentration RSD	301.7 %	98.6 %	573.0 %	137.1 %	15.5 %	224.9 %	11.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0126 ppm	0.0097 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0000 ppm	0.0131 ppm	0.0024 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0006 ppm	0.0006 ppm	-0.0002 ppm	0.0118 ppm	0.0167 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0005 ppm	-0.0001 ppm	0.0130 ppm	0.0100 ppm	0.0001 ppm
Concentration RSD	229.6 %	359.1 %	15.5 %	118.5 %	5.7 %	73.4 %	68.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0035 ppm	0.0007 ppm	0.0001 ppm	0.0039 ppm	0.0001 ppm	-0.0005 ppm	0.0018 ppm
Concentration per Run 1	0.0035 ppm	0.0008 ppm	-0.0001 ppm	0.0061 ppm	-0.0002 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run 2	0.0037 ppm	0.0006 ppm	0.0002 ppm	0.0025 ppm	0.0001 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run 3	0.0034 ppm	0.0006 ppm	0.0001 ppm	0.0032 ppm	0.0003 ppm	-0.0010 ppm	0.0017 ppm
Concentration RSD	4.3 %	11.7 %	303.7 %	48.0 %	471.1 %	86.4 %	49.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0009 ppm	0.0140 ppm	0.0070 ppm	0.0001 ppm	0.0003 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run 1	0.0019 ppm	0.0144 ppm	0.0065 ppm	0.0001 ppm	0.0003 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0138 ppm	0.0072 ppm	0.0001 ppm	0.0003 ppm	-0.0016 ppm	0.0000 ppm
Concentration per Run 3	0.0006 ppm	0.0137 ppm	0.0071 ppm	0.0000 ppm	0.0004 ppm	-0.0008 ppm	0.0000 ppm
Concentration RSD	109.7 %	2.8 %	6.0 %	27.2 %	14.2 %	34.6 %	239.5 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	103.5303 %	105.3516 %	100.7983 %	101.6820 %	102.3409 %	100.5549 %
Concentration per Run 1	0.0014 ppm	102.8693 %	102.9208 %	100.7804 %	100.9295 %	101.9138 %	100.7554 %
Concentration per Run 2	0.0014 ppm	104.2069 %	104.2847 %	100.8769 %	102.1476 %	102.3511 %	100.4466 %
Concentration per Run 3	0.0013 ppm	103.5148 %	108.8493 %	100.7377 %	101.9689 %	102.7579 %	100.4625 %
Concentration RSD	3.9 %	0.6 %	2.9 %	0.1 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085608-2d2 WG2085608
Analysis started at: 7/1/2025 1:28:39 PM
Rack 1
Vial 43
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0539 ppm	2.2808 ppm	0.1154 ppm	0.9411 ppm	2.2154 ppm	0.0541 ppm	9.7623 ppm
Concentration per Run 1	0.0542 ppm	2.2983 ppm	0.1158 ppm	0.9468 ppm	2.2274 ppm	0.0543 ppm	9.8399 ppm
Concentration per Run 2	0.0539 ppm	2.2810 ppm	0.1147 ppm	0.9419 ppm	2.2236 ppm	0.0542 ppm	9.8021 ppm
Concentration per Run 3	0.0536 ppm	2.2630 ppm	0.1157 ppm	0.9346 ppm	2.1952 ppm	0.0539 ppm	9.6449 ppm
Concentration RSD	0.5 %	0.8 %	0.5 %	0.7 %	0.8 %	0.4 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0463 ppm	0.5018 ppm	0.2060 ppm	0.2717 ppm	1.0772 ppm	11.1465 ppm	0.0006 ppm
Concentration per Run 1	0.0464 ppm	0.5014 ppm	0.2065 ppm	0.2730 ppm	1.0823 ppm	11.1378 ppm	0.0004 ppm
Concentration per Run 2	0.0458 ppm	0.5005 ppm	0.2063 ppm	0.2719 ppm	1.0796 ppm	11.2022 ppm	0.0008 ppm
Concentration per Run 3	0.0467 ppm	0.5034 ppm	0.2053 ppm	0.2703 ppm	1.0697 ppm	11.0996 ppm	0.0008 ppm
Concentration RSD	0.9 %	0.3 %	0.3 %	0.5 %	0.6 %	0.5 %	33.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.6111 ppm	0.5311 ppm	0.9372 ppm	11.4686 ppm	0.5263 ppm	0.5018 ppm	0.4831 ppm
Concentration per Run 1	9.6252 ppm	0.5336 ppm	0.9378 ppm	11.5207 ppm	0.5271 ppm	0.5012 ppm	0.4844 ppm
Concentration per Run 2	9.5863 ppm	0.5307 ppm	0.9352 ppm	11.5375 ppm	0.5258 ppm	0.5031 ppm	0.4812 ppm
Concentration per Run 3	9.6219 ppm	0.5289 ppm	0.9386 ppm	11.3476 ppm	0.5260 ppm	0.5011 ppm	0.4837 ppm
Concentration RSD	0.2 %	0.4 %	0.2 %	0.9 %	0.1 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1174 ppm	0.9585 ppm	0.9668 ppm	0.9916 ppm	0.9615 ppm	0.1163 ppm	0.5412 ppm
Concentration per Run 1	0.1178 ppm	0.9593 ppm	0.9747 ppm	0.9964 ppm	0.9628 ppm	0.1161 ppm	0.5428 ppm
Concentration per Run 2	0.1182 ppm	0.9558 ppm	0.9640 ppm	0.9950 ppm	0.9607 ppm	0.1161 ppm	0.5394 ppm
Concentration per Run 3	0.1161 ppm	0.9605 ppm	0.9617 ppm	0.9833 ppm	0.9610 ppm	0.1167 ppm	0.5415 ppm
Concentration RSD	0.9 %	0.3 %	0.7 %	0.7 %	0.1 %	0.3 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5146 ppm	99.5785 %	102.7892 %	94.4380 %	97.3923 %	101.0867 %	97.6308 %
Concentration per Run 1	0.5159 ppm	99.1274 %	102.0990 %	94.7974 %	97.0847 %	100.8786 %	97.5808 %
Concentration per Run 2	0.5133 ppm	99.9816 %	102.2309 %	94.0804 %	97.6506 %	100.8843 %	97.5492 %
Concentration per Run 3	0.5147 ppm	99.6263 %	104.0376 %	94.4361 %	97.4415 %	101.4972 %	97.7625 %
Concentration RSD	0.3 %	0.4 %	1.1 %	0.4 %	0.3 %	0.4 %	0.1 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2539685-01d2 WG2085608
Analysis started at: 7/1/2025 1:31:52 PM
Rack 1
Vial 49
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	88.8219 ppm	0.0202 ppm	0.0028 ppm	0.3440 ppm	0.0029 ppm	7.2309 ppm
Concentration per Run 1	-0.0003 ppm	88.9423 ppm	0.0201 ppm	0.0035 ppm	0.3444 ppm	0.0030 ppm	7.2384 ppm
Concentration per Run 2	-0.0002 ppm	88.8522 ppm	0.0197 ppm	0.0022 ppm	0.3447 ppm	0.0029 ppm	7.1907 ppm
Concentration per Run 3	-0.0001 ppm	88.6712 ppm	0.0208 ppm	0.0028 ppm	0.3428 ppm	0.0029 ppm	7.2635 ppm
Concentration RSD	52.8 %	0.2 %	2.8 %	22.1 %	0.3 %	1.5 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0021 ppm	0.0277 ppm	0.1310 ppm	0.0759 ppm	163.7399 ppm	4.1295 ppm	0.0709 ppm
Concentration per Run 1	0.0020 ppm	0.0274 ppm	0.1303 ppm	0.0757 ppm	164.3295 ppm	4.1688 ppm	0.0717 ppm
Concentration per Run 2	0.0022 ppm	0.0277 ppm	0.1319 ppm	0.0758 ppm	163.3000 ppm	4.1292 ppm	0.0709 ppm
Concentration per Run 3	0.0022 ppm	0.0278 ppm	0.1309 ppm	0.0762 ppm	163.5902 ppm	4.0906 ppm	0.0701 ppm
Concentration RSD	4.5 %	0.7 %	0.6 %	0.4 %	0.3 %	0.9 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	12.3588 ppm	0.6377 ppm	0.0134 ppm	1.3162 ppm	0.0632 ppm	0.0467 ppm	-0.0009 ppm
Concentration per Run 1	12.3453 ppm	0.6384 ppm	0.0136 ppm	1.3259 ppm	0.0623 ppm	0.0464 ppm	-0.0018 ppm
Concentration per Run 2	12.3840 ppm	0.6347 ppm	0.0135 ppm	1.3008 ppm	0.0641 ppm	0.0467 ppm	-0.0009 ppm
Concentration per Run 3	12.3470 ppm	0.6401 ppm	0.0133 ppm	1.3220 ppm	0.0633 ppm	0.0471 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.4 %	1.1 %	1.0 %	1.4 %	0.8 %	105.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0040 ppm	13.8804 ppm	0.0089 ppm	0.1411 ppm	2.0991 ppm	0.0026 ppm	0.2326 ppm
Concentration per Run 1	0.0031 ppm	14.1544 ppm	0.0090 ppm	0.1414 ppm	2.0921 ppm	0.0028 ppm	0.2328 ppm
Concentration per Run 2	0.0047 ppm	13.9845 ppm	0.0087 ppm	0.1415 ppm	2.1339 ppm	0.0029 ppm	0.2321 ppm
Concentration per Run 3	0.0043 ppm	13.5024 ppm	0.0091 ppm	0.1405 ppm	2.0715 ppm	0.0020 ppm	0.2329 ppm
Concentration RSD	21.3 %	2.4 %	2.1 %	0.4 %	1.5 %	18.7 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2157 ppm	99.4747 %	109.1094 %	93.5894 %	123.9186 %	137.3516 %	132.3840 %
Concentration per Run 1	0.2140 ppm	100.2276 %	108.8577 %	93.7693 %	124.9601 %	136.8943 %	132.7680 %
Concentration per Run 2	0.2165 ppm	99.2998 %	109.5232 %	93.4129 %	123.6468 %	137.6934 %	132.0013 %
Concentration per Run 3	0.2166 ppm	98.8967 %	108.9474 %	93.5859 %	123.1489 %	137.4672 %	132.3829 %
Concentration RSD	0.7 %	0.7 %	0.3 %	0.2 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540493-02d2 WG2085608
Analysis started at: 7/1/2025 1:35:04 PM
Rack 1
Vial 50
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0001 ppm	79.4449 ppm	0.0961 ppm	0.0175 ppm	0.7001 ppm	0.0044 ppm	37.0745 ppm
Concentration per Run 1	0.0000 ppm	79.4295 ppm	0.0958 ppm	0.0178 ppm	0.6970 ppm	0.0044 ppm	37.4117 ppm
Concentration per Run 2	0.0002 ppm	78.6286 ppm	0.0938 ppm	0.0171 ppm	0.6992 ppm	0.0044 ppm	36.9463 ppm
Concentration per Run 3	-0.0003 ppm	80.2766 ppm	0.0986 ppm	0.0176 ppm	0.7040 ppm	0.0043 ppm	36.8654 ppm
Concentration RSD	524.2 %	1.0 %	2.5 %	2.1 %	0.5 %	0.5 %	0.8 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0110 ppm	0.0829 ppm	0.1194 ppm	0.2710 ppm	159.5040 ppm	4.9687 ppm	0.1845 ppm
Concentration per Run 1	0.0110 ppm	0.0831 ppm	0.1203 ppm	0.2714 ppm	159.8589 ppm	4.8965 ppm	0.1825 ppm
Concentration per Run 2	0.0112 ppm	0.0832 ppm	0.1206 ppm	0.2716 ppm	159.5809 ppm	4.9281 ppm	0.1834 ppm
Concentration per Run 3	0.0109 ppm	0.0824 ppm	0.1173 ppm	0.2699 ppm	159.0723 ppm	5.0815 ppm	0.1875 ppm
Concentration RSD	1.6 %	0.5 %	1.6 %	0.3 %	0.3 %	2.0 %	1.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	32.1961 ppm	15.5351 ppm	0.0033 ppm	1.0237 ppm	0.1699 ppm	5.2817 ppm	0.0331 ppm
Concentration per Run 1	32.1022 ppm	15.6189 ppm	0.0037 ppm	1.0156 ppm	0.1720 ppm	5.3111 ppm	0.0346 ppm
Concentration per Run 2	32.4800 ppm	15.4739 ppm	0.0031 ppm	0.9955 ppm	0.1711 ppm	5.2544 ppm	0.0303 ppm
Concentration per Run 3	32.0061 ppm	15.5124 ppm	0.0031 ppm	1.0600 ppm	0.1665 ppm	5.2798 ppm	0.0343 ppm
Concentration RSD	0.8 %	0.5 %	9.7 %	3.2 %	1.7 %	0.5 %	7.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0019 ppm	9.4015 ppm	0.0275 ppm	0.1580 ppm	0.3370 ppm	-0.0108 ppm	0.1226 ppm
Concentration per Run 1	0.0025 ppm	9.4007 ppm	0.0280 ppm	0.1572 ppm	0.3327 ppm	-0.0119 ppm	0.1227 ppm
Concentration per Run 2	0.0024 ppm	9.4471 ppm	0.0281 ppm	0.1580 ppm	0.3391 ppm	-0.0107 ppm	0.1225 ppm
Concentration per Run 3	0.0009 ppm	9.3567 ppm	0.0263 ppm	0.1587 ppm	0.3392 ppm	-0.0097 ppm	0.1225 ppm
Concentration RSD	46.3 %	0.5 %	3.5 %	0.5 %	1.1 %	10.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4312 ppm	99.1723 %	104.6439 %	87.1061 %	121.4087 %	129.4810 %	122.5204 %
Concentration per Run 1	1.4424 ppm	99.0025 %	104.0646 %	87.4116 %	121.2452 %	129.1143 %	123.3970 %
Concentration per Run 2	1.4397 ppm	98.3701 %	104.3811 %	86.8158 %	120.6365 %	128.6268 %	121.9224 %
Concentration per Run 3	1.4115 ppm	100.1443 %	105.4860 %	87.0909 %	122.3442 %	130.7018 %	122.2420 %
Concentration RSD	1.2 %	0.9 %	0.7 %	0.3 %	0.7 %	0.8 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540493-03d2 WG2085608
Analysis started at: 7/1/2025 1:38:18 PM
Rack 1
Vial 51
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	81.4762 ppm	0.0754 ppm	0.0146 ppm	0.6095 ppm	0.0046 ppm	34.0419 ppm
Concentration per Run 1	-0.0002 ppm	80.9443 ppm	0.0748 ppm	0.0144 ppm	0.6070 ppm	0.0045 ppm	34.0528 ppm
Concentration per Run 2	0.0003 ppm	81.9079 ppm	0.0765 ppm	0.0154 ppm	0.6110 ppm	0.0046 ppm	34.0513 ppm
Concentration per Run 3	-0.0006 ppm	81.5764 ppm	0.0750 ppm	0.0141 ppm	0.6105 ppm	0.0046 ppm	34.0216 ppm
Concentration RSD	303.0 %	0.6 %	1.3 %	4.6 %	0.4 %	0.3 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0062 ppm	0.0669 ppm	0.1125 ppm	0.2344 ppm	151.5779 ppm	5.2582 ppm	0.1795 ppm
Concentration per Run 1	0.0061 ppm	0.0668 ppm	0.1129 ppm	0.2359 ppm	151.7811 ppm	5.1851 ppm	0.1769 ppm
Concentration per Run 2	0.0065 ppm	0.0677 ppm	0.1134 ppm	0.2338 ppm	151.8301 ppm	5.2648 ppm	0.1807 ppm
Concentration per Run 3	0.0060 ppm	0.0661 ppm	0.1112 ppm	0.2335 ppm	151.1226 ppm	5.3248 ppm	0.1810 ppm
Concentration RSD	3.7 %	1.1 %	1.0 %	0.6 %	0.3 %	1.3 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	26.4798 ppm	7.8383 ppm	0.0038 ppm	1.1746 ppm	0.1552 ppm	5.2728 ppm	0.0254 ppm
Concentration per Run 1	26.5081 ppm	7.8581 ppm	0.0037 ppm	1.1563 ppm	0.1565 ppm	5.2907 ppm	0.0257 ppm
Concentration per Run 2	26.6157 ppm	7.8332 ppm	0.0040 ppm	1.1788 ppm	0.1553 ppm	5.2395 ppm	0.0254 ppm
Concentration per Run 3	26.3157 ppm	7.8237 ppm	0.0038 ppm	1.1886 ppm	0.1537 ppm	5.2883 ppm	0.0250 ppm
Concentration RSD	0.6 %	0.2 %	4.2 %	1.4 %	0.9 %	0.5 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0027 ppm	11.5145 ppm	0.0245 ppm	0.1758 ppm	0.3651 ppm	-0.0049 ppm	0.1244 ppm
Concentration per Run 1	0.0024 ppm	11.4326 ppm	0.0249 ppm	0.1745 ppm	0.3558 ppm	-0.0046 ppm	0.1249 ppm
Concentration per Run 2	0.0034 ppm	11.4852 ppm	0.0247 ppm	0.1763 ppm	0.3750 ppm	-0.0056 ppm	0.1240 ppm
Concentration per Run 3	0.0022 ppm	11.6257 ppm	0.0240 ppm	0.1765 ppm	0.3645 ppm	-0.0045 ppm	0.1243 ppm
Concentration RSD	23.6 %	0.9 %	2.0 %	0.6 %	2.6 %	12.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8788 ppm	99.4406 %	104.5778 %	86.6905 %	120.3148 %	127.6675 %	120.5765 %
Concentration per Run 1	0.8757 ppm	99.6718 %	104.5256 %	86.6213 %	120.4749 %	127.2681 %	120.8623 %
Concentration per Run 2	0.8899 ppm	98.2481 %	104.8783 %	86.7408 %	119.2766 %	128.6715 %	120.0121 %
Concentration per Run 3	0.8708 ppm	100.4019 %	104.3295 %	86.7095 %	121.1929 %	127.0629 %	120.8552 %
Concentration RSD	1.1 %	1.1 %	0.3 %	0.1 %	0.8 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540493-01d2 WG2085608
Analysis started at: 7/1/2025 1:41:30 PM
Rack 1
Vial 44
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	89.1149 ppm	0.1262 ppm	0.0141 ppm	0.8024 ppm	0.0049 ppm	34.6778 ppm
Concentration per Run 1	0.0000 ppm	88.9369 ppm	0.1257 ppm	0.0158 ppm	0.7995 ppm	0.0049 ppm	34.5691 ppm
Concentration per Run 2	-0.0003 ppm	89.0106 ppm	0.1269 ppm	0.0136 ppm	0.8034 ppm	0.0049 ppm	34.9192 ppm
Concentration per Run 3	0.0007 ppm	89.3971 ppm	0.1262 ppm	0.0129 ppm	0.8041 ppm	0.0049 ppm	34.5451 ppm
Concentration RSD	389.0 %	0.3 %	0.5 %	10.6 %	0.3 %	0.1 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0154 ppm	0.0964 ppm	0.1325 ppm	0.3030 ppm	174.0610 ppm	5.8231 ppm	0.2054 ppm
Concentration per Run 1	0.0154 ppm	0.0967 ppm	0.1336 ppm	0.3051 ppm	174.1101 ppm	5.8527 ppm	0.2065 ppm
Concentration per Run 2	0.0153 ppm	0.0952 ppm	0.1318 ppm	0.3009 ppm	175.0543 ppm	5.7685 ppm	0.2036 ppm
Concentration per Run 3	0.0155 ppm	0.0972 ppm	0.1321 ppm	0.3028 ppm	173.0185 ppm	5.8482 ppm	0.2062 ppm
Concentration RSD	0.8 %	1.1 %	0.7 %	0.7 %	0.6 %	0.8 %	0.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	34.0101 ppm	19.6594 ppm	0.0043 ppm	1.2047 ppm	0.1950 ppm	6.6603 ppm	0.0429 ppm
Concentration per Run 1	34.2285 ppm	19.5985 ppm	0.0047 ppm	1.2090 ppm	0.1956 ppm	6.6819 ppm	0.0426 ppm
Concentration per Run 2	33.9091 ppm	19.8350 ppm	0.0039 ppm	1.1938 ppm	0.1950 ppm	6.6533 ppm	0.0416 ppm
Concentration per Run 3	33.8927 ppm	19.5446 ppm	0.0042 ppm	1.2113 ppm	0.1945 ppm	6.6457 ppm	0.0447 ppm
Concentration RSD	0.6 %	0.8 %	8.7 %	0.8 %	0.3 %	0.3 %	3.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0006 ppm	13.3630 ppm	0.0340 ppm	0.1713 ppm	0.3970 ppm	-0.0141 ppm	0.1370 ppm
Concentration per Run 1	-0.0029 ppm	14.0803 ppm	0.0342 ppm	0.1712 ppm	0.4107 ppm	-0.0140 ppm	0.1383 ppm
Concentration per Run 2	0.0026 ppm	13.5419 ppm	0.0345 ppm	0.1712 ppm	0.3948 ppm	-0.0147 ppm	0.1367 ppm
Concentration per Run 3	0.0020 ppm	12.4667 ppm	0.0334 ppm	0.1714 ppm	0.3856 ppm	-0.0136 ppm	0.1360 ppm
Concentration RSD	536.2 %	6.1 %	1.6 %	0.1 %	3.2 %	4.0 %	0.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5378 ppm	100.0704 %	105.4694 %	86.1137 %	124.9917 %	132.9721 %	124.9836 %
Concentration per Run 1	1.5488 ppm	99.8893 %	105.8959 %	85.9148 %	125.0666 %	133.3764 %	124.7935 %
Concentration per Run 2	1.5326 ppm	99.9933 %	105.4652 %	86.0748 %	124.6115 %	133.0620 %	124.8863 %
Concentration per Run 3	1.5322 ppm	100.3286 %	105.0470 %	86.3515 %	125.2970 %	132.4780 %	125.2710 %
Concentration RSD	0.6 %	0.2 %	0.4 %	0.3 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085608-3d2 WG2085608
Analysis started at: 7/1/2025 1:44:43 PM
Rack 1
Vial 45
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0486 ppm	96.5267 ppm	0.1949 ppm	0.7329 ppm	2.8619 ppm	0.0538 ppm	40.7448 ppm
Concentration per Run 1	0.0485 ppm	96.8374 ppm	0.1952 ppm	0.7354 ppm	2.8674 ppm	0.0541 ppm	40.7841 ppm
Concentration per Run 2	0.0484 ppm	96.1760 ppm	0.1949 ppm	0.7330 ppm	2.8434 ppm	0.0537 ppm	40.9457 ppm
Concentration per Run 3	0.0488 ppm	96.5668 ppm	0.1947 ppm	0.7304 ppm	2.8748 ppm	0.0537 ppm	40.5045 ppm
Concentration RSD	0.4 %	0.3 %	0.1 %	0.3 %	0.6 %	0.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0554 ppm	0.5244 ppm	0.3184 ppm	0.5788 ppm	174.2838 ppm	15.5902 ppm	0.2160 ppm
Concentration per Run 1	0.0560 ppm	0.5275 ppm	0.3208 ppm	0.5790 ppm	175.1137 ppm	15.6131 ppm	0.2170 ppm
Concentration per Run 2	0.0551 ppm	0.5237 ppm	0.3179 ppm	0.5792 ppm	173.9920 ppm	15.2500 ppm	0.2111 ppm
Concentration per Run 3	0.0550 ppm	0.5221 ppm	0.3164 ppm	0.5783 ppm	173.7456 ppm	15.9075 ppm	0.2198 ppm
Concentration RSD	1.0 %	0.5 %	0.7 %	0.1 %	0.4 %	2.1 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	40.7877 ppm	21.7732 [SIC 100]	0.7776 ppm	12.0833 ppm	0.6496 ppm	8.7342 ppm	0.1604 ppm
Concentration per Run 1	40.8911 ppm	21.8437 ppm	0.7822 ppm	12.0896 ppm	0.6532 ppm	8.6931 ppm	0.1587 ppm
Concentration per Run 2	40.7933 ppm	21.8443 ppm	0.7757 ppm	11.9548 ppm	0.6483 ppm	8.7660 ppm	0.1595 ppm
Concentration per Run 3	40.6788 ppm	21.6317 ppm	0.7749 ppm	12.2056 ppm	0.6472 ppm	8.7437 ppm	0.1629 ppm
Concentration RSD	0.3 %	0.6 %	0.5 %	1.0 %	0.5 %	0.4 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0951 ppm	14.2123 ppm	0.6912 ppm	1.0837 ppm	0.8614 ppm	0.0882 ppm	0.6158 ppm
Concentration per Run 1	0.0950 ppm	14.4302 ppm	0.6972 ppm	1.0864 ppm	0.8515 ppm	0.0882 ppm	0.6165 ppm
Concentration per Run 2	0.0931 ppm	13.9004 ppm	0.6929 ppm	1.0771 ppm	0.8599 ppm	0.0869 ppm	0.6156 ppm
Concentration per Run 3	0.0973 ppm	14.3064 ppm	0.6835 ppm	1.0877 ppm	0.8727 ppm	0.0894 ppm	0.6154 ppm
Concentration RSD	2.2 %	2.0 %	1.0 %	0.5 %	1.2 %	1.4 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	2.0478 ppm	98.1929 %	103.5411 %	83.4015 %	126.2738 %	135.1424 %	126.6872 %
Concentration per Run 1	2.0519 ppm	97.7953 %	103.6648 %	83.6282 %	125.8411 %	135.5992 %	126.7054 %
Concentration per Run 2	2.0467 ppm	98.3532 %	103.7599 %	83.1569 %	126.4748 %	134.9695 %	126.6786 %
Concentration per Run 3	2.0449 ppm	98.4302 %	103.1987 %	83.4195 %	126.5056 %	134.8586 %	126.6776 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.3 %	0.3 %	0.3 %	0.0 %

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085608-4d2 WG2085608
Analysis started at: 7/1/2025 1:47:56 PM
Rack 1
Vial 46
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0002 ppm	80.3941 ppm	0.0881 ppm	0.0167 ppm	0.7647 ppm	0.0045 ppm	34.9934 ppm
Concentration per Run 1	-0.0002 ppm	80.3610 ppm	0.0894 ppm	0.0176 ppm	0.7666 ppm	0.0045 ppm	35.0040 ppm
Concentration per Run 2	0.0000 ppm	80.5546 ppm	0.0879 ppm	0.0156 ppm	0.7641 ppm	0.0045 ppm	35.2926 ppm
Concentration per Run 3	-0.0005 ppm	80.2669 ppm	0.0868 ppm	0.0168 ppm	0.7634 ppm	0.0045 ppm	34.6837 ppm
Concentration RSD	107.5 %	0.2 %	1.5 %	6.2 %	0.2 %	0.3 %	0.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0113 ppm	0.0899 ppm	0.1275 ppm	0.2587 ppm	169.1706 ppm	5.7074 ppm	0.1859 ppm
Concentration per Run 1	0.0116 ppm	0.0904 ppm	0.1286 ppm	0.2600 ppm	168.9809 ppm	5.7298 ppm	0.1865 ppm
Concentration per Run 2	0.0111 ppm	0.0894 ppm	0.1273 ppm	0.2583 ppm	169.3205 ppm	5.7187 ppm	0.1860 ppm
Concentration per Run 3	0.0113 ppm	0.0898 ppm	0.1267 ppm	0.2578 ppm	169.2104 ppm	5.6738 ppm	0.1853 ppm
Concentration RSD	2.1 %	0.5 %	0.7 %	0.4 %	0.1 %	0.5 %	0.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	33.5495 ppm	19.4925 ppm	0.0059 ppm	1.0057 ppm	0.1809 ppm	4.2888 ppm	0.0281 ppm
Concentration per Run 1	33.6781 ppm	19.5035 ppm	0.0058 ppm	1.0133 ppm	0.1820 ppm	4.2985 ppm	0.0285 ppm
Concentration per Run 2	33.3941 ppm	19.5583 ppm	0.0057 ppm	1.0168 ppm	0.1805 ppm	4.2903 ppm	0.0290 ppm
Concentration per Run 3	33.5763 ppm	19.4157 ppm	0.0062 ppm	0.9870 ppm	0.1802 ppm	4.2775 ppm	0.0268 ppm
Concentration RSD	0.4 %	0.4 %	3.8 %	1.6 %	0.5 %	0.2 %	4.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0017 ppm	11.8072 ppm	0.0228 ppm	0.1736 ppm	0.4177 ppm	-0.0133 ppm	0.1268 ppm
Concentration per Run 1	-0.0013 ppm	11.8723 ppm	0.0229 ppm	0.1745 ppm	0.4237 ppm	-0.0148 ppm	0.1271 ppm
Concentration per Run 2	-0.0034 ppm	11.7922 ppm	0.0229 ppm	0.1731 ppm	0.4219 ppm	-0.0116 ppm	0.1263 ppm
Concentration per Run 3	-0.0003 ppm	11.7570 ppm	0.0226 ppm	0.1732 ppm	0.4076 ppm	-0.0135 ppm	0.1271 ppm
Concentration RSD	96.1 %	0.5 %	0.6 %	0.4 %	2.1 %	11.8 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.4388 ppm	98.8618 %	104.1405 %	86.0809 %	120.0803 %	127.6492 %	121.6840 %
Concentration per Run 1	1.4457 ppm	98.0931 %	104.8001 %	85.8363 %	119.2682 %	128.7483 %	121.3620 %
Concentration per Run 2	1.4343 ppm	98.7662 %	103.2132 %	86.1130 %	120.0164 %	126.7499 %	121.7793 %
Concentration per Run 3	1.4364 ppm	99.7261 %	104.4081 %	86.2933 %	120.9562 %	127.4494 %	121.9107 %
Concentration RSD	0.4 %	0.8 %	0.8 %	0.3 %	0.7 %	0.8 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085608-5d2 WG2085608
Analysis started at: 7/1/2025 1:51:09 PM
Rack 1
Vial 47
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0484 ppm	90.1166 ppm	0.2093 ppm	0.8479 ppm	2.8129 ppm	0.0536 ppm	42.5225 ppm
Concentration per Run 1	0.0481 ppm	90.0401 ppm	0.2088 ppm	0.8435 ppm	2.8183 ppm	0.0538 ppm	42.7540 ppm
Concentration per Run 2	0.0485 ppm	90.6986 ppm	0.2104 ppm	0.8541 ppm	2.8221 ppm	0.0538 ppm	42.4737 ppm
Concentration per Run 3	0.0487 ppm	89.6111 ppm	0.2088 ppm	0.8462 ppm	2.7984 ppm	0.0534 ppm	42.3399 ppm
Concentration RSD	0.6 %	0.6 %	0.5 %	0.7 %	0.5 %	0.4 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0546 ppm	0.5209 ppm	0.3125 ppm	0.5466 ppm	171.0869 ppm	16.9844 ppm	0.2024 ppm
Concentration per Run 1	0.0549 ppm	0.5235 ppm	0.3118 ppm	0.5438 ppm	171.4072 ppm	16.8635 ppm	0.2027 ppm
Concentration per Run 2	0.0544 ppm	0.5184 ppm	0.3128 ppm	0.5497 ppm	171.1634 ppm	17.2860 ppm	0.2044 ppm
Concentration per Run 3	0.0544 ppm	0.5209 ppm	0.3128 ppm	0.5463 ppm	170.6902 ppm	16.8037 ppm	0.2001 ppm
Concentration RSD	0.5 %	0.5 %	0.2 %	0.5 %	0.2 %	1.5 %	1.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	41.7150 ppm	19.5742 ppm	0.8378 ppm	12.4762 ppm	0.6409 ppm	7.0687 ppm	0.4821 ppm
Concentration per Run 1	41.7538 ppm	19.6258 ppm	0.8397 ppm	12.2787 ppm	0.6415 ppm	7.0624 ppm	0.4823 ppm
Concentration per Run 2	41.6590 ppm	19.5612 ppm	0.8351 ppm	12.7581 ppm	0.6406 ppm	7.0881 ppm	0.4840 ppm
Concentration per Run 3	41.7321 ppm	19.5357 ppm	0.8387 ppm	12.3920 ppm	0.6405 ppm	7.0555 ppm	0.4799 ppm
Concentration RSD	0.1 %	0.2 %	0.3 %	2.0 %	0.1 %	0.2 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.1169 ppm	16.0915 ppm	0.8638 ppm	1.0925 ppm	1.2614 ppm	0.0947 ppm	0.6192 ppm
Concentration per Run 1	0.1180 ppm	16.1799 ppm	0.8652 ppm	1.0945 ppm	1.2444 ppm	0.0954 ppm	0.6199 ppm
Concentration per Run 2	0.1188 ppm	16.1388 ppm	0.8642 ppm	1.0959 ppm	1.2768 ppm	0.0944 ppm	0.6188 ppm
Concentration per Run 3	0.1140 ppm	15.9556 ppm	0.8619 ppm	1.0871 ppm	1.2629 ppm	0.0943 ppm	0.6188 ppm
Concentration RSD	2.2 %	0.7 %	0.2 %	0.4 %	1.3 %	0.6 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	1.9560 ppm	98.3549 %	104.6666 %	83.5518 %	121.9841 %	132.0410 %	122.6449 %
Concentration per Run 1	1.9679 ppm	98.3143 %	104.3833 %	83.1717 %	122.0360 %	132.1609 %	122.6734 %
Concentration per Run 2	1.9436 ppm	98.2395 %	104.6069 %	83.6217 %	121.8197 %	131.9583 %	122.8487 %
Concentration per Run 3	1.9566 ppm	98.5108 %	105.0095 %	83.8618 %	122.0965 %	132.0036 %	122.4127 %
Concentration RSD	0.6 %	0.1 %	0.3 %	0.4 %	0.1 %	0.1 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: WG2085608-6d10 WG2085608
Analysis started at: 7/1/2025 1:54:22 PM
Rack 1
Vial 48
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	18.2016 ppm	0.0321 ppm	0.0026 ppm	0.1649 ppm	0.0010 ppm	7.2954 ppm
Concentration per Run 1	0.0000 ppm	18.2898 ppm	0.0317 ppm	0.0022 ppm	0.1659 ppm	0.0010 ppm	7.2904 ppm
Concentration per Run 2	-0.0001 ppm	18.1606 ppm	0.0313 ppm	0.0029 ppm	0.1640 ppm	0.0010 ppm	7.3122 ppm
Concentration per Run 3	0.0001 ppm	18.1545 ppm	0.0334 ppm	0.0026 ppm	0.1647 ppm	0.0010 ppm	7.2838 ppm
Concentration RSD	2,313.3 %	0.4 %	3.5 %	13.0 %	0.6 %	1.1 %	0.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0031 ppm	0.0206 ppm	0.0283 ppm	0.0606 ppm	38.9138 ppm	1.1633 ppm	0.0400 ppm
Concentration per Run 1	0.0032 ppm	0.0204 ppm	0.0284 ppm	0.0603 ppm	38.8938 ppm	1.1881 ppm	0.0408 ppm
Concentration per Run 2	0.0031 ppm	0.0209 ppm	0.0285 ppm	0.0607 ppm	38.9062 ppm	1.1650 ppm	0.0398 ppm
Concentration per Run 3	0.0031 ppm	0.0205 ppm	0.0281 ppm	0.0608 ppm	38.9414 ppm	1.1367 ppm	0.0393 ppm
Concentration RSD	1.1 %	1.5 %	0.7 %	0.4 %	0.1 %	2.2 %	2.0 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	7.3844 ppm	4.2066 ppm	0.0029 ppm	0.2374 ppm	0.0434 ppm	1.3225 ppm	0.0112 ppm
Concentration per Run 1	7.3934 ppm	4.2021 ppm	0.0032 ppm	0.2403 ppm	0.0435 ppm	1.3219 ppm	0.0135 ppm
Concentration per Run 2	7.3722 ppm	4.2117 ppm	0.0023 ppm	0.2452 ppm	0.0434 ppm	1.3255 ppm	0.0082 ppm
Concentration per Run 3	7.3874 ppm	4.2060 ppm	0.0031 ppm	0.2266 ppm	0.0433 ppm	1.3202 ppm	0.0118 ppm
Concentration RSD	0.1 %	0.1 %	17.8 %	4.1 %	0.2 %	0.2 %	24.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0017 ppm	2.9326 ppm	0.0091 ppm	0.0351 ppm	0.0863 ppm	-0.0032 ppm	0.0285 ppm
Concentration per Run 1	0.0013 ppm	2.9180 ppm	0.0092 ppm	0.0354 ppm	0.0960 ppm	-0.0030 ppm	0.0284 ppm
Concentration per Run 2	0.0021 ppm	2.9427 ppm	0.0090 ppm	0.0348 ppm	0.0846 ppm	-0.0037 ppm	0.0285 ppm
Concentration per Run 3	0.0015 ppm	2.9369 ppm	0.0092 ppm	0.0349 ppm	0.0784 ppm	-0.0027 ppm	0.0286 ppm
Concentration RSD	24.0 %	0.4 %	1.4 %	0.9 %	10.3 %	16.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3277 ppm	101.0850 %	104.1714 %	96.6845 %	104.8007 %	108.8070 %	105.3211 %
Concentration per Run 1	0.3292 ppm	101.0111 %	104.0001 %	96.8334 %	104.5568 %	108.7450 %	105.4274 %
Concentration per Run 2	0.3266 ppm	101.5963 %	103.7773 %	96.2133 %	105.1250 %	108.5486 %	105.0631 %
Concentration per Run 3	0.3272 ppm	100.6477 %	104.7368 %	97.0069 %	104.7203 %	109.1274 %	105.4727 %
Concentration RSD	0.4 %	0.5 %	0.5 %	0.4 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 1:57:36 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4829 ppm	0.4765 ppm	0.4671 ppm	0.4533 ppm	0.4940 ppm	0.4862 ppm	0.4669 ppm
Concentration per Run 1	0.4845 ppm	0.4754 ppm	0.4678 ppm	0.4573 ppm	0.4929 ppm	0.4874 ppm	0.4727 ppm
Concentration per Run 2	0.4812 ppm	0.4768 ppm	0.4673 ppm	0.4509 ppm	0.4939 ppm	0.4854 ppm	0.4632 ppm
Concentration per Run 3	0.4830 ppm	0.4774 ppm	0.4661 ppm	0.4518 ppm	0.4951 ppm	0.4859 ppm	0.4646 ppm
Recovery Percentage 1	96.580 %	95.302 %	93.414 %	90.666 %	98.797 %	97.243 %	93.373 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.8 %	0.2 %	0.2 %	1.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4367 ppm	0.4586 ppm	0.4670 ppm	0.4946 ppm	0.4870 ppm	5.3852 ppm	0.5262 ppm
Concentration per Run 1	0.4406 ppm	0.4617 ppm	0.4669 ppm	0.4960 ppm	0.4897 ppm	5.3803 ppm	0.5235 ppm
Concentration per Run 2	0.4338 ppm	0.4560 ppm	0.4658 ppm	0.4940 ppm	0.4859 ppm	5.3909 ppm	0.5285 ppm
Concentration per Run 3	0.4358 ppm	0.4582 ppm	0.4684 ppm	0.4939 ppm	0.4853 ppm	5.3844 ppm	0.5266 ppm
Recovery Percentage 1	87.343 %	91.727 %	93.402 %	98.920 %	97.392 %	107.704 %	105.241 %
Concentration RSD	0.8 %	0.6 %	0.3 %	0.2 %	0.5 %	0.1 %	0.5 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4665 ppm	0.4804 ppm	0.4515 ppm	10.5425 ppm	0.4749 ppm	0.4779 ppm	0.4898 ppm
Concentration per Run 1	0.4718 ppm	0.4833 ppm	0.4519 ppm	10.3839 ppm	0.4761 ppm	0.4754 ppm	0.4935 ppm
Concentration per Run 2	0.4625 ppm	0.4792 ppm	0.4517 ppm	10.5511 ppm	0.4754 ppm	0.4802 ppm	0.4908 ppm
Concentration per Run 3	0.4650 ppm	0.4787 ppm	0.4508 ppm	10.6925 ppm	0.4731 ppm	0.4780 ppm	0.4850 ppm
Recovery Percentage 1	93.292 %	96.079 %	90.293 %	105.425 %	94.976 %	95.579 %	97.951 %
Concentration RSD	1.0 %	0.5 %	0.1 %	1.5 %	0.3 %	0.5 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4662 ppm	5.0138 ppm	0.4785 ppm	0.4958 ppm	0.4656 ppm	0.4893 ppm	0.4801 ppm
Concentration per Run 1	0.4680 ppm	5.0457 ppm	0.4784 ppm	0.4949 ppm	0.4672 ppm	0.4872 ppm	0.4811 ppm
Concentration per Run 2	0.4656 ppm	4.9812 ppm	0.4784 ppm	0.4952 ppm	0.4627 ppm	0.4930 ppm	0.4797 ppm
Concentration per Run 3	0.4651 ppm	5.0145 ppm	0.4788 ppm	0.4972 ppm	0.4669 ppm	0.4878 ppm	0.4795 ppm
Recovery Percentage 1	93.248 %	95.501 %	95.709 %	99.157 %	93.118 %	97.869 %	96.019 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.3 %	0.5 %	0.7 %	0.2 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4576 ppm	100.9169 %	103.0406 %	96.6452 %	99.1747 %	101.5310 %	98.5627 %
Concentration per Run 1	0.4587 ppm	100.2716 %	102.6824 %	96.7974 %	98.8365 %	101.5653 %	98.4711 %
Concentration per Run 2	0.4568 ppm	101.2035 %	103.3556 %	96.3903 %	99.0344 %	101.7089 %	98.6945 %
Concentration per Run 3	0.4573 ppm	101.2758 %	103.0838 %	96.7478 %	99.6532 %	101.3189 %	98.5225 %
Recovery Percentage 1	91.523 %						
Concentration RSD	0.2 %	0.6 %	0.3 %	0.2 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 2:00:49 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0002 ppm	-0.0015 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 1	0.0001 ppm	0.0032 ppm	0.0012 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 2	0.0001 ppm	-0.0033 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 3	0.0003 ppm	-0.0044 ppm	-0.0011 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0023 ppm
Recovery Percentage 1	2.456 %	-1.468 %	10.608 %	-0.108 %	0.663 %	0.088 %	2.623 %
Concentration RSD	41.0 %	280.2 %	261.0 %	1,187.0 %	22.9 %	161.7 %	52.9 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0024 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm	0.0039 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0014 ppm	-0.0042 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0019 ppm	0.0029 ppm	0.0002 ppm
Recovery Percentage 1	-1.336 %	0.024 %	2.395 %	-1.501 %	4.786 %	-0.019 %	4.105 %
Concentration RSD	67.7 %	7,583.5 %	62.2 %	93.6 %	57.0 %	733.3 %	140.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0008 ppm	0.0003 ppm	0.0019 ppm	-0.0063 ppm	0.0005 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 1	0.0006 ppm	0.0002 ppm	0.0015 ppm	-0.0062 ppm	0.0002 ppm	-0.0005 ppm	0.0015 ppm
Concentration per Run 2	0.0023 ppm	0.0003 ppm	0.0021 ppm	-0.0045 ppm	0.0003 ppm	-0.0004 ppm	-0.0012 ppm
Concentration per Run 3	-0.0005 ppm	0.0003 ppm	0.0021 ppm	-0.0082 ppm	0.0011 ppm	0.0003 ppm	0.0020 ppm
Recovery Percentage 1	0.809 %	2.579 %	3.861 %	-0.314 %	2.038 %	-1.768 %	1.553 %
Concentration RSD	178.0 %	36.5 %	19.3 %	29.6 %	94.9 %	250.2 %	218.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0023 ppm	0.0064 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0031 ppm	0.0067 ppm	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 2	0.0015 ppm	0.0058 ppm	0.0010 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0024 ppm	0.0067 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage 1	23.281 %	1.281 %	1.299 %	0.413 %	3.661 %	0.947 %	1.397 %
Concentration RSD	34.9 %	8.1 %	80.7 %	155.6 %	22.1 %	331.2 %	21.7 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	100.6019 %	102.7664 %	99.8747 %	101.1481 %	102.4153 %	100.9553 %
Concentration per Run 1	0.0002 ppm	100.9050 %	103.2339 %	99.7023 %	101.7587 %	103.1683 %	101.0093 %
Concentration per Run 2	0.0003 ppm	100.3166 %	102.8338 %	100.5400 %	100.3447 %	102.4382 %	101.3193 %
Concentration per Run 3	-0.0001 ppm	100.5841 %	102.2315 %	99.3819 %	101.3407 %	101.6395 %	100.5374 %
Recovery Percentage 1	2.768 %						
Concentration RSD	156.0 %	0.3 %	0.5 %	0.6 %	0.7 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540493-04d2 WG2085608
Analysis started at: 7/1/2025 2:17:13 PM
Rack 1
Vial 52
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0004 ppm	97.5414 ppm	0.0823 ppm	0.0099 ppm	0.5925 ppm	0.0052 ppm	14.9518 ppm
Concentration per Run 1	-0.0003 ppm	97.9733 ppm	0.0824 ppm	0.0104 ppm	0.5966 ppm	0.0052 ppm	14.9509 ppm
Concentration per Run 2	-0.0007 ppm	97.0808 ppm	0.0805 ppm	0.0091 ppm	0.5885 ppm	0.0051 ppm	14.8960 ppm
Concentration per Run 3	-0.0002 ppm	97.5702 ppm	0.0840 ppm	0.0102 ppm	0.5925 ppm	0.0052 ppm	15.0086 ppm
Concentration RSD	55.2 %	0.5 %	2.1 %	7.2 %	0.7 %	0.8 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0055 ppm	0.0763 ppm	0.1218 ppm	0.2872 ppm	146.7414 ppm	6.3110 ppm	0.2161 ppm
Concentration per Run 1	0.0054 ppm	0.0763 ppm	0.1223 ppm	0.2873 ppm	147.0544 ppm	6.4781 ppm	0.2209 ppm
Concentration per Run 2	0.0054 ppm	0.0757 ppm	0.1210 ppm	0.2868 ppm	146.1940 ppm	6.1621 ppm	0.2114 ppm
Concentration per Run 3	0.0055 ppm	0.0768 ppm	0.1221 ppm	0.2873 ppm	146.9759 ppm	6.2928 ppm	0.2160 ppm
Concentration RSD	1.3 %	0.7 %	0.6 %	0.1 %	0.3 %	2.5 %	2.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	30.6547 ppm	1.9440 ppm	0.0013 ppm	1.5938 ppm	0.1768 ppm	5.8274 ppm	0.0474 ppm
Concentration per Run 1	30.7448 ppm	1.9434 ppm	0.0013 ppm	1.6379 ppm	0.1774 ppm	5.8215 ppm	0.0473 ppm
Concentration per Run 2	30.5042 ppm	1.9427 ppm	0.0010 ppm	1.5588 ppm	0.1762 ppm	5.8432 ppm	0.0475 ppm
Concentration per Run 3	30.7151 ppm	1.9460 ppm	0.0015 ppm	1.5846 ppm	0.1768 ppm	5.8175 ppm	0.0472 ppm
Concentration RSD	0.4 %	0.1 %	19.1 %	2.5 %	0.3 %	0.2 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0051 ppm	21.3098 [SIC 200]	0.0305 ppm	0.0981 ppm	0.5868 ppm	-0.0009 ppm	0.1343 ppm
Concentration per Run 1	0.0052 ppm	21.3018 ppm	0.0309 ppm	0.0986 ppm	0.5941 ppm	-0.0011 ppm	0.1341 ppm
Concentration per Run 2	0.0048 ppm	21.2664 ppm	0.0306 ppm	0.0975 ppm	0.5778 ppm	-0.0013 ppm	0.1341 ppm
Concentration per Run 3	0.0054 ppm	21.3612 ppm	0.0300 ppm	0.0983 ppm	0.5884 ppm	-0.0003 ppm	0.1348 ppm
Concentration RSD	5.6 %	0.2 %	1.5 %	0.6 %	1.4 %	54.4 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.9173 ppm	102.2742 %	106.9270 %	89.1805 %	125.1407 %	132.4389 %	126.2598 %
Concentration per Run 1	0.9231 ppm	102.1484 %	106.2454 %	89.4238 %	124.8088 %	131.6934 %	126.2165 %
Concentration per Run 2	0.9085 ppm	102.7861 %	107.7993 %	89.2693 %	125.7909 %	133.2321 %	126.2596 %
Concentration per Run 3	0.9202 ppm	101.8881 %	106.7364 %	88.8484 %	124.8225 %	132.3912 %	126.3034 %
Concentration RSD	0.8 %	0.5 %	0.7 %	0.3 %	0.4 %	0.6 %	0.0 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: L2540493-05d2 WG2085608
Analysis started at: 7/1/2025 2:20:39 PM
Rack 1
Vial 53
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0007 ppm	46.1387 ppm	0.0776 ppm	0.0102 ppm	0.3234 ppm	0.0025 ppm	15.2786 ppm
Concentration per Run 1	-0.0008 ppm	46.1022 ppm	0.0781 ppm	0.0106 ppm	0.3235 ppm	0.0025 ppm	15.2112 ppm
Concentration per Run 2	-0.0006 ppm	46.1597 ppm	0.0761 ppm	0.0099 ppm	0.3220 ppm	0.0025 ppm	15.2429 ppm
Concentration per Run 3	-0.0006 ppm	46.1541 ppm	0.0785 ppm	0.0101 ppm	0.3248 ppm	0.0025 ppm	15.3816 ppm
Concentration RSD	15.1 %	0.1 %	1.6 %	3.3 %	0.4 %	0.8 %	0.6 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0051 ppm	0.0493 ppm	0.0670 ppm	0.1374 ppm	99.7705 ppm	3.5101 ppm	0.1068 ppm
Concentration per Run 1	0.0052 ppm	0.0492 ppm	0.0677 ppm	0.1382 ppm	99.7628 ppm	3.5247 ppm	0.1079 ppm
Concentration per Run 2	0.0049 ppm	0.0488 ppm	0.0665 ppm	0.1369 ppm	99.3596 ppm	3.5288 ppm	0.1072 ppm
Concentration per Run 3	0.0051 ppm	0.0498 ppm	0.0667 ppm	0.1370 ppm	100.1892 ppm	3.4769 ppm	0.1053 ppm
Concentration RSD	3.0 %	1.0 %	1.0 %	0.5 %	0.4 %	0.8 %	1.3 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	18.2630 ppm	7.2746 ppm	0.0012 ppm	1.4363 ppm	0.0976 ppm	2.7970 ppm	0.0309 ppm
Concentration per Run 1	18.2846 ppm	7.2585 ppm	0.0013 ppm	1.4483 ppm	0.0977 ppm	2.8016 ppm	0.0308 ppm
Concentration per Run 2	18.1894 ppm	7.2431 ppm	0.0013 ppm	1.4428 ppm	0.0984 ppm	2.7995 ppm	0.0317 ppm
Concentration per Run 3	18.3151 ppm	7.3222 ppm	0.0010 ppm	1.4179 ppm	0.0966 ppm	2.7900 ppm	0.0301 ppm
Concentration RSD	0.4 %	0.6 %	16.3 %	1.1 %	0.9 %	0.2 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0030 ppm	11.5664 ppm	0.0187 ppm	0.0752 ppm	0.3147 ppm	-0.0054 ppm	0.0694 ppm
Concentration per Run 1	0.0023 ppm	11.5395 ppm	0.0185 ppm	0.0752 ppm	0.3110 ppm	-0.0060 ppm	0.0692 ppm
Concentration per Run 2	0.0036 ppm	11.5566 ppm	0.0186 ppm	0.0750 ppm	0.3142 ppm	-0.0052 ppm	0.0693 ppm
Concentration per Run 3	0.0031 ppm	11.6030 ppm	0.0190 ppm	0.0753 ppm	0.3190 ppm	-0.0050 ppm	0.0696 ppm
Concentration RSD	22.7 %	0.3 %	1.5 %	0.2 %	1.3 %	9.7 %	0.3 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7177 ppm	100.1993 %	104.6427 %	90.0616 %	110.3733 %	116.4440 %	110.2892 %
Concentration per Run 1	0.7191 ppm	99.6507 %	104.6441 %	89.7494 %	109.6777 %	116.1113 %	110.1888 %
Concentration per Run 2	0.7170 ppm	100.3937 %	104.9930 %	90.3326 %	110.6872 %	116.7702 %	110.2659 %
Concentration per Run 3	0.7169 ppm	100.5535 %	104.2911 %	90.1029 %	110.7549 %	116.4507 %	110.4128 %
Concentration RSD	0.2 %	0.5 %	0.3 %	0.3 %	0.5 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCV
Analysis started at: 7/1/2025 2:24:51 PM
Rack 0
Vial 3
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.4841 ppm	0.4754 ppm	0.4509 ppm	0.4559 ppm	0.4935 ppm	0.4854 ppm	0.4655 ppm
Concentration per Run 1	0.4829 ppm	0.4737 ppm	0.4521 ppm	0.4574 ppm	0.4951 ppm	0.4854 ppm	0.4630 ppm
Concentration per Run 2	0.4868 ppm	0.4812 ppm	0.4496 ppm	0.4568 ppm	0.4936 ppm	0.4861 ppm	0.4655 ppm
Concentration per Run 3	0.4826 ppm	0.4711 ppm	0.4510 ppm	0.4536 ppm	0.4918 ppm	0.4846 ppm	0.4680 ppm
Recovery Percentage 1	96.816 %	95.075 %	90.185 %	91.188 %	98.695 %	97.073 %	93.098 %
Concentration RSD	0.5 %	1.1 %	0.3 %	0.4 %	0.3 %	0.2 %	0.5 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.4390 ppm	0.4611 ppm	0.4689 ppm	0.4963 ppm	0.4851 ppm	5.3227 ppm	0.5247 ppm
Concentration per Run 1	0.4376 ppm	0.4609 ppm	0.4693 ppm	0.4968 ppm	0.4845 ppm	5.3230 ppm	0.5250 ppm
Concentration per Run 2	0.4396 ppm	0.4619 ppm	0.4683 ppm	0.4992 ppm	0.4861 ppm	5.3718 ppm	0.5267 ppm
Concentration per Run 3	0.4399 ppm	0.4607 ppm	0.4689 ppm	0.4930 ppm	0.4847 ppm	5.2734 ppm	0.5224 ppm
Recovery Percentage 1	87.806 %	92.225 %	93.771 %	99.267 %	97.025 %	106.454 %	104.943 %
Concentration RSD	0.3 %	0.1 %	0.1 %	0.6 %	0.2 %	0.9 %	0.4 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.4688 ppm	0.4797 ppm	0.4515 ppm	10.4488 ppm	0.4769 ppm	0.4803 ppm	0.4942 ppm
Concentration per Run 1	0.4669 ppm	0.4779 ppm	0.4516 ppm	10.5619 ppm	0.4772 ppm	0.4809 ppm	0.4913 ppm
Concentration per Run 2	0.4704 ppm	0.4809 ppm	0.4517 ppm	10.4049 ppm	0.4778 ppm	0.4804 ppm	0.4968 ppm
Concentration per Run 3	0.4692 ppm	0.4803 ppm	0.4513 ppm	10.3796 ppm	0.4758 ppm	0.4797 ppm	0.4944 ppm
Recovery Percentage 1	93.769 %	95.940 %	90.306 %	104.488 %	95.388 %	96.067 %	98.833 %
Concentration RSD	0.4 %	0.3 %	0.1 %	0.9 %	0.2 %	0.1 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.4719 ppm	5.0417 ppm	0.4805 ppm	0.4976 ppm	0.4663 ppm	0.4921 ppm	0.4828 ppm
Concentration per Run 1	0.4735 ppm	5.0277 ppm	0.4812 ppm	0.4990 ppm	0.4668 ppm	0.4931 ppm	0.4834 ppm
Concentration per Run 2	0.4707 ppm	5.0692 ppm	0.4793 ppm	0.4973 ppm	0.4675 ppm	0.4908 ppm	0.4827 ppm
Concentration per Run 3	0.4715 ppm	5.0281 ppm	0.4811 ppm	0.4967 ppm	0.4646 ppm	0.4922 ppm	0.4822 ppm
Recovery Percentage 1	94.383 %	96.032 %	96.106 %	99.530 %	93.264 %	98.413 %	96.556 %
Concentration RSD	0.3 %	0.5 %	0.2 %	0.2 %	0.3 %	0.2 %	0.1 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4585 ppm	100.7466 %	103.0773 %	97.1334 %	98.7151 %	101.3473 %	98.8010 %
Concentration per Run 1	0.4595 ppm	100.8506 %	103.7643 %	96.9056 %	98.9417 %	101.8490 %	98.7923 %
Concentration per Run 2	0.4554 ppm	100.3246 %	102.8419 %	98.0732 %	98.4137 %	101.2539 %	99.3502 %
Concentration per Run 3	0.4605 ppm	101.0647 %	102.6256 %	96.4215 %	98.7901 %	100.9390 %	98.2605 %
Recovery Percentage 1	91.696 %						
Concentration RSD	0.6 %	0.4 %	0.6 %	0.9 %	0.3 %	0.5 %	0.6 %

ICP DataTrace 9

7/1/2025 2:45:18 PM

LabBook: WG2085565_07012025T9.imexp

Sample: CCB
Analysis started at: 7/1/2025 2:28:04 PM
Rack 0
Vial 4
Comment <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0001 ppm	-0.0017 ppm	0.0015 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	0.0001 ppm	-0.0010 ppm	0.0014 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	-0.0022 ppm	0.0014 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	-0.0020 ppm	0.0017 ppm	-0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Recovery Percentage 1	0.816 %	-1.704 %	30.190 %	-2.410 %	0.475 %	-0.161 %	1.999 %
Concentration RSD	236.5 %	37.0 %	12.3 %	12.9 %	59.2 %	142.1 %	70.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0000 ppm	0.0003 ppm	0.0002 ppm	-0.0001 ppm	0.0011 ppm	-0.0025 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0036 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0009 ppm	-0.0162 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0052 ppm	0.0001 ppm
Recovery Percentage 1	-0.287 %	1.740 %	1.701 %	-0.931 %	2.108 %	-0.100 %	8.151 %
Concentration RSD	253.4 %	19.5 %	17.5 %	155.9 %	37.7 %	474.8 %	82.2 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0004 ppm	0.0001 ppm	0.0018 ppm	-0.0075 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	0.0009 ppm	0.0001 ppm	0.0017 ppm	-0.0080 ppm	0.0008 ppm	0.0005 ppm	0.0029 ppm
Concentration per Run 2	0.0005 ppm	0.0002 ppm	0.0021 ppm	-0.0074 ppm	-0.0007 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	-0.0002 ppm	0.0001 ppm	0.0015 ppm	-0.0072 ppm	0.0001 ppm	-0.0006 ppm	0.0020 ppm
Recovery Percentage 1	0.380 %	1.474 %	3.519 %	-0.376 %	0.239 %	0.203 %	3.537 %
Concentration RSD	147.3 %	31.8 %	17.2 %	5.9 %	1,291.3 %	2,816.9 %	70.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0022 ppm	0.0046 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0028 ppm	0.0061 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0009 ppm	0.0037 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0027 ppm	0.0041 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	21.610 %	0.924 %	0.141 %	0.336 %	3.240 %	-0.065 %	1.029 %
Concentration RSD	50.4 %	28.2 %	151.6 %	48.9 %	14.9 %	1,729.4 %	56.9 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	101.0904 %	102.2160 %	99.4009 %	101.3967 %	102.0154 %	100.2470 %
Concentration per Run 1	0.0002 ppm	100.9022 %	102.7611 %	99.4898 %	101.2238 %	102.2590 %	100.0345 %
Concentration per Run 2	0.0001 ppm	101.7293 %	102.0849 %	98.9241 %	101.7145 %	102.0683 %	100.1111 %
Concentration per Run 3	0.0002 ppm	100.6398 %	101.8022 %	99.7886 %	101.2517 %	101.7190 %	100.5955 %
Recovery Percentage 1	3.126 %						
Concentration RSD	42.0 %	0.6 %	0.5 %	0.4 %	0.3 %	0.3 %	0.3 %

QC True Values: Trace 4,5,6,7

	Element	True Value (mg/L)
ICV/CCV	All	0.50
	K	5.00
	Na	10.00
	Si	5.25
ICSA	Al	250
	Ca	250
	Fe	100
	Mg	250
ICSB	Al	9.00
	Sb	1.00
	As	1.00
	Ba	0.30
	Be	0.10
	Bi	1.00
	B	0.50
	Cd	0.30
	Ca	45.00
	Cr	0.30
	Co	0.30
	Cu	0.30
	Fe	37.50
	Pb	1.00
	Mg	22.50
	Mn	0.20
	Mo	0.30
	Ni	0.30
	K	20.00
	Se	0.50
	Si	1.23
	Ag	0.30
	Na	7.50
	Sr	1.00
	Tl	1.00
	Sn	1.00
	Ti	1.00
	V	0.30
	Zn	0.30

	Element	True Value (mg/L)
CRI	Al	0.40
	Sb	0.10
	As	0.02
	Ba	0.04
	Be	0.01
	Bi	0.02
	B	0.10
	Cd	0.01
	Ca	0.40
	Cr	0.02
	Co	0.10
	Cu	0.05
	Fe	0.20
	Pb	0.05
	Mg	0.40
	Mn	0.03
	Mo	0.10
	Ni	0.08
	K	5.00
	Se	0.02
	Si	1.00
	Ag	0.02
	Na	5.00
	Sr	0.02
	Tl	0.02
	Sn	0.02
	Ti	0.02
	V	0.10
	Zn	0.04

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ERA
A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

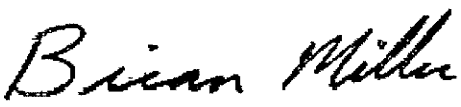
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

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ERA
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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration (µg/L). This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (DF)}{A}$$

Where:

C_s = Concentration of sample (µg/L)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{solids}}$$

Where:

$\%_{solids}$ = Percent Solids, as a decimal value

Sequence Trace 9

6/27/2025 8:48:49 AM

LabBook: WG2083657_06262025T9.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank JMF Trace9	0	1	6/26/2025 6:30:10 AM
2	ICAL	0	2	6/26/2025 6:33:33 AM
3	ICV	0	3	6/26/2025 6:42:21 AM
4	ICB	0	4	6/26/2025 6:45:46 AM
5	ICV	0	10	6/26/2025 6:48:58 AM
6	ICB	0	4	6/26/2025 6:52:15 AM
7	LLOQ	0	5	6/26/2025 6:55:28 AM
8	ICSA	0	6	6/26/2025 7:02:51 AM
9	SIC Multi	0	7	6/26/2025 7:06:42 AM
10	LLOQ 0.005ppm As	1	1	6/26/2025 7:24:51 AM
11	zLLOQ 0.01ppm Ni	1	2	6/26/2025 7:28:14 AM
12	IEC 500 Al -Pb -Se	1	3	6/26/2025 7:31:25 AM
13	LDR 272ppm Fe pass	1	4	6/26/2025 7:35:06 AM
14	LDR Check	0	8	6/26/2025 7:38:47 AM
15	LDR 5 As pass	1	5	6/26/2025 7:50:38 AM
16	xLDR 400 Na	1	6	6/26/2025 7:54:01 AM
17	LDR 200 Na pass	1	7	6/26/2025 7:57:13 AM
18	CCV	0	3	6/26/2025 8:15:35 AM
19	CCB	0	4	6/26/2025 8:18:59 AM
20	WG2083385-1 WG2083385	1	8	6/26/2025 8:43:31 AM
21	WG2083385-2 WG2083385	1	9	6/26/2025 8:46:49 AM
22	L2538108-09 WG2083385	1	15	6/26/2025 8:50:02 AM
23	L2538108-10 WG2083385	1	16	6/26/2025 8:54:13 AM
24	L2538108-11 WG2083385	1	17	6/26/2025 8:57:24 AM
25	L2538108-08 WG2083385	1	10	6/26/2025 9:00:36 AM
26	WG2083385-3 WG2083385	1	11	6/26/2025 9:03:49 AM
27	WG2083385-4 WG2083385	1	12	6/26/2025 9:07:02 AM
28	WG2083385-5 WG2083385	1	13	6/26/2025 9:10:16 AM
29	WG2083385-6D5 WG2083385	1	14	6/26/2025 9:13:26 AM
30	CCV	0	3	6/26/2025 9:16:37 AM
31	CCB	0	4	6/26/2025 9:19:50 AM
32	L2538108-12 WG2083385	1	18	6/26/2025 9:28:46 AM
33	L2538108-13 WG2083385	1	19	6/26/2025 9:32:04 AM
34	L2538108-14 WG2083385	1	20	6/26/2025 9:35:17 AM
35	L2538108-15 WG2083385	1	21	6/26/2025 9:38:29 AM
36	CCV	0	3	6/26/2025 9:41:42 AM
37	CCB	0	4	6/26/2025 9:44:55 AM
38	L2538108-01 WG2082845	1	22	6/26/2025 10:09:27 AM
39	L2538108-02 WG2082845	1	23	6/26/2025 10:12:52 AM
40	L2538108-03 WG2082845	1	24	6/26/2025 10:16:05 AM
41	L2538108-04 WG2082845	1	25	6/26/2025 10:19:19 AM
42	L2538108-05 WG2082845	1	26	6/26/2025 10:22:29 AM
43	L2538108-06 WG2082845	1	27	6/26/2025 10:25:40 AM
44	L2538108-07 WG2082845	1	28	6/26/2025 10:28:51 AM
45	L2537450-04D2 WG2082971	1	29	6/26/2025 10:32:02 AM
46	L2537450-06D2 WG2082971	1	30	6/26/2025 10:35:14 AM
47	CCV	0	3	6/26/2025 10:38:26 AM
48	CCB	0	4	6/26/2025 10:41:38 AM
49	WG2082817-2 WG2082817	1	31	6/26/2025 10:50:05 AM
50	Test FPS 0930 CLH	1	32	6/26/2025 10:53:29 AM
51	CCV	0	3	6/26/2025 10:56:42 AM
52	CCB	0	4	6/26/2025 10:59:54 AM
53	L2535960-01 WG2078070	1	33	6/26/2025 11:22:16 AM
54	L2535968-01 WG2078070	1	34	6/26/2025 11:25:41 AM
55	L2535968-02 WG2078070	1	35	6/26/2025 11:28:55 AM
56	L2536193-02 WG2078070	1	36	6/26/2025 11:32:08 AM
57	L2535446-01D5 WG2079823	1	37	6/26/2025 11:35:21 AM
58	L2534635-05 WG2079700	1	38	6/26/2025 11:38:32 AM
59	CCV	0	3	6/26/2025 11:46:21 AM
60	CCB	0	4	6/26/2025 11:49:39 AM
61	L2537653-06 WG2079832	1	52	6/26/2025 12:00:36 PM
62	L2536675-01 WG2079832	1	39	6/26/2025 12:04:01 PM
63	L2536675-02 WG2079832	1	40	6/26/2025 12:07:12 PM
64	L2536675-03 WG2079832	1	41	6/26/2025 12:10:24 PM
65	L2536675-04 WG2079832	1	42	6/26/2025 12:13:36 PM
66	L2536675-05 WG2079832	1	43	6/26/2025 12:16:48 PM
67	L2536675-06 WG2079832	1	44	6/26/2025 12:20:01 PM
68	L2536675-07 WG2079832	1	45	6/26/2025 12:23:14 PM

Sequence Trace 9

6/27/2025 8:48:49 AM

Index	Label	Rack	Vial	Started at
69	L2536675-08 WG2079832	1	46	6/26/2025 12:26:27 PM
70	L2536675-09 WG2079832	1	47	6/26/2025 12:29:40 PM
71	CCV	0	3	6/26/2025 12:32:54 PM
72	CCB	0	4	6/26/2025 12:36:07 PM
73	L2536675-10 WG2079832	1	48	6/26/2025 12:46:34 PM
74	L2536675-11 WG2079832	1	49	6/26/2025 12:49:54 PM
75	L2536675-12 WG2079832	1	50	6/26/2025 12:53:06 PM
76	L2536675-13 WG2079832	1	51	6/26/2025 12:56:18 PM
77	L2535820-24 WG2082032	2	6	6/26/2025 1:14:29 PM
78	L2535820-21 WG2082032	2	5	6/26/2025 1:17:48 PM
79	WG2082032-3 WG2082032	1	56	6/26/2025 1:21:00 PM
80	WG2082032-4 WG2082032	1	57	6/26/2025 1:24:13 PM
81	WG2082032-5 WG2082032	1	58	6/26/2025 1:27:26 PM
82	WG2082032-6D5 WG2082032	1	59	6/26/2025 1:30:40 PM
83	CCV	0	3	6/26/2025 1:33:53 PM
84	CCB	0	4	6/26/2025 1:37:06 PM
85	WG2082032-1 WG2082032	1	53	6/26/2025 1:42:48 PM
86	WG2082032-2 WG2082032	1	54	6/26/2025 1:46:03 PM
87	L2535820-15 WG2082032	1	55	6/26/2025 1:49:15 PM
88	L2535820-27 WG2082032	2	7	6/26/2025 1:52:28 PM
89	L2535822-02 WG2082032	2	8	6/26/2025 1:55:41 PM
90	L2535820-18 WG2082032	1	60	6/26/2025 1:58:54 PM
91	WG2082032-7 WG2082032	2	1	6/26/2025 2:02:09 PM
92	WG2082032-8 WG2082032	2	2	6/26/2025 2:05:22 PM
93	WG2082032-9 WG2082032	2	3	6/26/2025 2:08:35 PM
94	WG2082032-10D5 WG2082032	2	4	6/26/2025 2:11:48 PM
95	CCV	0	3	6/26/2025 2:15:01 PM
96	CCB	0	4	6/26/2025 2:18:14 PM
97	L2535822-05 WG2082032	2	9	6/26/2025 2:50:45 PM
98	L2535822-08 WG2082032	2	10	6/26/2025 2:54:04 PM
99	L2535822-11 WG2082032	2	11	6/26/2025 2:57:18 PM
100	L2535822-14 WG2082032	2	12	6/26/2025 3:00:32 PM
101	L2535822-17 WG2082032	2	13	6/26/2025 3:03:46 PM
102	L2535822-20 WG2082032	2	14	6/26/2025 3:06:59 PM
103	L2535822-23 WG2082032	2	15	6/26/2025 3:10:12 PM
104	CCV	0	3	6/26/2025 3:13:25 PM
105	CCB	0	4	6/26/2025 3:16:38 PM
106	WG2083872-1 WG2083872	2	16	6/26/2025 3:52:51 PM
107	WG2083872-2D2 WG2083872	2	17	6/26/2025 3:56:18 PM
108	L2539676-01 WG2083872	2	23	6/26/2025 3:59:31 PM
109	L2539675-01 WG2083872	2	18	6/26/2025 4:02:44 PM
110	WG2083872-3 WG2083872	2	19	6/26/2025 4:05:58 PM
111	WG2083872-4 WG2083872	2	20	6/26/2025 4:09:11 PM
112	WG2083872-5 WG2083872	2	21	6/26/2025 4:12:24 PM
113	WG2083872-6D5 WG2083872	2	22	6/26/2025 4:15:37 PM
114	CCV	0	3	6/26/2025 4:20:41 PM
115	CCB	0	4	6/26/2025 4:23:55 PM
116	WG2081570-1 WG2081570	2	24	6/26/2025 5:47:04 PM
117	WG2081570-2D2 WG2081570	2	25	6/26/2025 5:50:34 PM
118	L2534074-09D2 WG2081570	2	31	6/26/2025 5:53:48 PM
119	L2534074-11D2 WG2081570	2	32	6/26/2025 5:57:01 PM
120	L2534074-13D2 WG2081570	2	33	6/26/2025 6:00:15 PM
121	L2537210-06D2 WG2081570	2	26	6/26/2025 6:03:28 PM
122	WG2081570-3D2 WG2081570	2	27	6/26/2025 6:06:42 PM
123	WG2081570-4D2 WG2081570	2	28	6/26/2025 6:09:55 PM
124	WG2081570-5D2 WG2081570	2	29	6/26/2025 6:13:08 PM
125	WG2081570-6D10 WG2081570	2	30	6/26/2025 6:16:21 PM
126	CCV	0	3	6/26/2025 6:19:35 PM
127	CCB	0	4	6/26/2025 6:22:48 PM
128	L2534074-15D2 WG2081570	2	34	6/26/2025 6:38:53 PM
129	L2534074-16D2 WG2081570	2	35	6/26/2025 6:42:12 PM
130	L2534074-20D2 WG2081570	2	36	6/26/2025 6:45:27 PM
131	L2534074-21D2 WG2081570	2	37	6/26/2025 6:48:41 PM
132	L2534074-24D2 WG2081570	2	38	6/26/2025 6:51:55 PM
133	L2535714-06D2 WG2081570	2	39	6/26/2025 6:55:08 PM
134	L2535714-13D2 WG2081570	2	40	6/26/2025 6:58:22 PM
135	L2535714-22D2 WG2081570	2	41	6/26/2025 7:01:35 PM
136	eL2537210-01D2 WG2081570	2	42	6/26/2025 7:04:49 PM
137	L2537210-02D2 WG2081570	2	43	6/26/2025 7:08:03 PM
138	CCV	0	3	6/26/2025 7:25:27 PM
139	CCB	0	4	6/26/2025 7:28:46 PM
140	L2537210-03D2 WG2081570	2	44	6/26/2025 7:41:17 PM
141	L2537210-04D2 WG2081570	2	45	6/26/2025 7:44:37 PM
142	L2537210-05D2 WG2081570	2	46	6/26/2025 7:47:51 PM

Sequence Trace 9

6/27/2025 8:48:49 AM

Index	Label	Rack	Vial	Started at
143	L2537210-01D10 WG2081570	2	47	6/26/2025 7:51:05 PM
144	LDR 400 Fe pass	2	48	6/26/2025 7:58:54 PM
145	L2537210-04D20 WG2081570	2	49	6/26/2025 8:17:10 PM
146	CCV	0	3	6/26/2025 8:20:30 PM
147	CCB	0	4	6/26/2025 8:23:44 PM
148	WG2083254-1 WG2083254	2	50	6/26/2025 8:47:26 PM
149	WG2083254-2D2 WG2083254	2	51	6/26/2025 8:50:56 PM
150	L2537687-01D2 WG2083254	2	57	6/26/2025 8:54:11 PM
151	L2537709-01D2 WG2083254	2	58	6/26/2025 8:57:25 PM
152	L2537709-02D2 WG2083254	2	59	6/26/2025 9:00:39 PM
153	L2537653-03D2 WG2083254	2	52	6/26/2025 9:03:53 PM
154	WG2083254-3D2 WG2083254	2	53	6/26/2025 9:07:08 PM
155	WG2083254-4D2 WG2083254	2	54	6/26/2025 9:10:22 PM
156	WG2083254-5D2 WG2083254	2	55	6/26/2025 9:13:36 PM
157	WG2083254-6D10 WG2083254	2	56	6/26/2025 9:16:50 PM
158	CCV	0	3	6/26/2025 9:20:05 PM
159	CCB	0	4	6/26/2025 9:23:18 PM
160	L2537709-03D2 WG2083254	2	60	6/26/2025 9:44:41 PM
161	L2538431-01D2 WG2083254	3	1	6/26/2025 9:48:02 PM
162	L2538431-02D2 WG2083254	3	2	6/26/2025 9:51:17 PM
163	CCV	0	3	6/26/2025 9:54:31 PM
164	CCB	0	4	6/26/2025 9:57:45 PM
165	L2538424-01 WG2083385	3	3	6/26/2025 10:19:08 PM
166	L2538424-02 WG2083385	3	4	6/26/2025 10:22:37 PM
167	L2538424-03 WG2083385	3	5	6/26/2025 10:25:52 PM
168	L2538424-04 WG2083385	3	6	6/26/2025 10:29:07 PM
169	L2538424-05 WG2083385	3	7	6/26/2025 10:32:22 PM
170	L2538424-06 WG2083385	3	8	6/26/2025 10:35:36 PM
171	L2538424-07 WG2083385	3	9	6/26/2025 10:38:51 PM
172	L2538424-08 WG2083385	3	10	6/26/2025 10:42:07 PM
173	L2538424-09 WG2083385	3	11	6/26/2025 10:45:22 PM
174	L2538424-10 WG2083385	3	12	6/26/2025 10:48:37 PM
175	CCV	0	3	6/26/2025 10:51:52 PM
176	CCB	0	4	6/26/2025 10:55:06 PM
177	L2538424-11 WG2083385	3	13	6/26/2025 11:36:28 PM
178	L2538424-12 WG2083385	3	14	6/26/2025 11:39:49 PM
179	CCV	0	3	6/26/2025 11:43:05 PM
180	CCB	0	4	6/26/2025 11:46:19 PM
181	CCV	0	3	6/26/2025 11:49:33 PM
182	CCB	0	4	6/26/2025 11:52:47 PM

Sequence Trace 5

7/1/2025 12:14:59 PM

LabBook: WG2085078_06302025T5.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank DHL Trace5	0	1	6/30/2025 5:42:44 AM
2	ICAL	0	2	6/30/2025 5:49:09 AM
3	ICV	0	3	6/30/2025 5:55:55 AM
4	ICB	0	4	6/30/2025 6:02:01 AM
5	ICV	0	10	6/30/2025 6:08:27 AM
6	ICB	0	4	6/30/2025 6:14:38 AM
7	LLOQ RL	0	5	6/30/2025 6:21:04 AM
8	ICSA	0	6	6/30/2025 6:27:30 AM
9	SIC Multi	0	7	6/30/2025 6:34:16 AM
10	LDR Check	0	8	6/30/2025 6:41:12 AM
11	IEC 500 Al -Pb	1	1	6/30/2025 6:58:49 AM
12	IEC 200 Fe +As	1	2	6/30/2025 7:06:13 AM
13	TEST ICV 0716DHL	1	3	6/30/2025 7:23:52 AM
14	CCV	0	3	6/30/2025 7:29:58 AM
15	CCB	0	4	6/30/2025 7:36:04 AM
16	WG2084485-1 WG2084485	1	4	6/30/2025 7:47:58 AM
17	WG2084485-2D2 WG2084485	1	5	6/30/2025 7:54:23 AM
18	WG2084485-3D2 WG2084485	1	6	6/30/2025 8:00:27 AM
19	I2540464-01D2 WG2084485	1	11	6/30/2025 8:06:32 AM
20	I2540464-02D2 WG2084485	1	12	6/30/2025 8:12:47 AM
21	I2540464-03D2 WG2084485	1	13	6/30/2025 8:19:02 AM
22	I2540464-04D2 WG2084485	1	14	6/30/2025 8:25:15 AM
23	I2540464-05D2 WG2084485	1	15	6/30/2025 8:31:28 AM
24	I2540464-06D2 WG2084485	1	16	6/30/2025 8:37:41 AM
25	I2540464-08D2 WG2084485	1	17	6/30/2025 8:43:54 AM
26	CCV	0	3	6/30/2025 8:50:08 AM
27	CCB	0	4	6/30/2025 8:56:15 AM
28	I2540464-09D2 WG2084485	1	18	6/30/2025 9:06:10 AM
29	I2540464-10D2 WG2084485	1	19	6/30/2025 9:12:23 AM
30	I2540464-11D2 WG2084485	1	20	6/30/2025 9:18:37 AM
31	I2540464-12D2 WG2084485	1	21	6/30/2025 9:24:52 AM
32	I2540464-13D2 WG2084485	1	22	6/30/2025 9:31:08 AM
33	I2538429-01D2 WG2084485	1	7	6/30/2025 9:37:23 AM
34	I2538429-02D2 WG2084485	1	8	6/30/2025 9:43:52 AM
35	I2538429-03D2 WG2084485	1	9	6/30/2025 9:50:06 AM
36	I2538429-04D2 WG2084485	1	10	6/30/2025 9:56:36 AM
37	CCV	0	3	6/30/2025 10:02:57 AM
38	CCB	0	4	6/30/2025 10:09:04 AM
39	CCV	0	3	6/30/2025 10:25:51 AM
40	CCB	0	4	6/30/2025 10:31:58 AM
41	L2535700-02d2 WG2078476	1	23	6/30/2025 11:41:48 AM
42	L2535761-01 WG2079886	1	24	6/30/2025 11:48:08 AM
43	WG2079886-7 WG2079886	1	25	6/30/2025 11:54:32 AM
44	WG2079886-8 WG2079886	1	26	6/30/2025 12:00:42 PM
45	WG2079886-9 WG2079886	1	27	6/30/2025 12:07:03 PM
46	WG2079886-10d5 WG2079886	1	28	6/30/2025 12:13:15 PM
47	L2534177-01 WG2079886	1	29	6/30/2025 12:19:38 PM
48	L2535813-01 WG2079886	1	30	6/30/2025 12:26:33 PM
49	L2535878-01 WG2079886	1	31	6/30/2025 12:32:55 PM
50	CCV	0	3	6/30/2025 12:39:13 PM
51	CCB	0	4	6/30/2025 12:45:20 PM
52	L2535965-01 WG2079886	1	32	6/30/2025 1:07:32 PM
53	L2535966-01 WG2079886	1	33	6/30/2025 1:13:52 PM
54	L2535966-02 WG2079886	1	34	6/30/2025 1:20:14 PM
55	CCV	0	3	6/30/2025 1:26:36 PM
56	CCB	0	4	6/30/2025 1:32:43 PM
57	WG2085313-1 WG2085313	1	35	6/30/2025 2:53:12 PM
58	WG2085257-1 WG2085257	1	40	6/30/2025 2:59:45 PM
59	WG2085257-2 WG2085257	1	41	6/30/2025 3:07:44 PM
60	WG2085313-2 WG2085313	1	36	6/30/2025 3:13:57 PM
61	L2540814-01 WG2085313	1	37	6/30/2025 3:20:10 PM
62	WG2085313-3 WG2085313	1	38	6/30/2025 3:26:40 PM
63	WG2085313-4 WG2085313	1	39	6/30/2025 3:33:06 PM
64	CCV	0	3	6/30/2025 3:39:35 PM
65	CCB	0	4	6/30/2025 3:45:42 PM
66	I2539492-02 WG2085257	1	42	6/30/2025 4:15:44 PM
67	WG2085257-3 WG2085257	1	43	6/30/2025 4:22:07 PM
68	WG2085257-4 WG2085257	1	44	6/30/2025 4:28:28 PM
69	WG2085257-5 WG2085257	1	45	6/30/2025 4:34:51 PM
70	WG2085257-6d5 WG2085257	1	46	6/30/2025 4:41:14 PM
71	CCV	0	3	6/30/2025 4:47:34 PM
72	CCB	0	4	6/30/2025 4:53:41 PM

Sequence Trace 5

7/1/2025 12:14:59 PM

Index:	Label:	Rack	Vial	Start time:
73	WG2082032-1 WG2082032	1	47	6/30/2025 5:32:24 PM
74	WG2082032-2 WG2082032	1	48	6/30/2025 5:38:49 PM
75	L2536247-01 WG2082032	1	49	6/30/2025 5:45:05 PM
76	L2536247-02 WG2082032	1	50	6/30/2025 5:51:26 PM
77	WG2085201-2 WG2085201	1	56	6/30/2025 6:04:24 PM
78	CCV	0	3	6/30/2025 6:10:38 PM
79	CCB	0	4	6/30/2025 6:16:45 PM
80	L2536247-03 WG2082032	1	51	6/30/2025 6:34:14 PM
81	L2536247-04 WG2082032	1	52	6/30/2025 6:40:34 PM
82	L2536247-05 WG2082032	1	53	6/30/2025 6:46:54 PM
83	L2536247-06 WG2082032	1	54	6/30/2025 6:53:14 PM
84	L2536247-07 WG2082032	1	55	6/30/2025 6:59:35 PM
85	CCV	0	3	6/30/2025 7:05:56 PM
86	CCB	0	4	6/30/2025 7:12:03 PM
87	xno sample	1	57	6/30/2025 7:45:35 PM
88	WG2082283-1 WG2082283	1	57	6/30/2025 7:49:53 PM
89	WG2082283-2 WG2082283	1	58	6/30/2025 7:56:17 PM
90	L2536229-01 WG2082283	2	9	6/30/2025 8:02:32 PM
91	L2536247-02 WG2082283	2	10	6/30/2025 8:09:01 PM
92	L2536247-03 WG2082283	2	11	6/30/2025 8:15:22 PM
93	L2536247-01 WG2082283	1	59	6/30/2025 8:21:44 PM
94	WG2082283-3 WG2082283	1	60	6/30/2025 8:28:06 PM
95	WG2082283-4 WG2082283	2	1	6/30/2025 8:34:20 PM
96	WG2082283-5 WG2082283	2	2	6/30/2025 8:40:42 PM
97	WG2082283-6d5 WG2082283	2	3	6/30/2025 8:46:55 PM
98	CCV	0	3	6/30/2025 8:53:17 PM
99	CCB	0	4	6/30/2025 8:59:25 PM
100	L2536247-05 WG2082283	2	13	6/30/2025 9:18:44 PM
101	L2536247-06 WG2082283	2	14	6/30/2025 9:25:04 PM
102	L2536247-07 WG2082283	2	15	6/30/2025 9:31:26 PM
103	L2536247-08 WG2082283	2	16	6/30/2025 9:37:46 PM
104	L2536247-04 WG2082283	2	12	6/30/2025 9:44:18 PM
105	L2536247-12 WG2082283	2	4	6/30/2025 9:50:41 PM
106	WG2082283-7 WG2082283	2	5	6/30/2025 9:57:02 PM
107	WG2082283-8 WG2082283	2	6	6/30/2025 10:03:12 PM
108	WG2082283-9 WG2082283	2	7	6/30/2025 10:09:26 PM
109	WG2082283-10d5 WG2082283	2	8	6/30/2025 10:15:36 PM
110	CCV	0	3	6/30/2025 10:21:58 PM
111	CCB	0	4	6/30/2025 10:28:05 PM
112	L2536247-09 WG2082283	2	17	6/30/2025 10:40:12 PM
113	L2536247-10 WG2082283	2	18	6/30/2025 10:46:32 PM
114	L2536247-11 WG2082283	2	19	6/30/2025 10:52:53 PM
115	L2536247-13 WG2082283	2	20	6/30/2025 10:59:13 PM
116	L2536247-14 WG2082283	2	21	6/30/2025 11:05:34 PM
117	L2536247-15 WG2082283	2	22	6/30/2025 11:11:56 PM
118	L2536247-16 WG2082283	2	23	6/30/2025 11:18:18 PM
119	L2536247-17 WG2082283	2	24	6/30/2025 11:24:41 PM
120	L2536247-18 WG2082283	2	25	6/30/2025 11:31:04 PM
121	L2536247-20 WG2082283	2	26	6/30/2025 11:37:24 PM
122	CCV	0	3	6/30/2025 11:43:46 PM
123	CCB	0	4	6/30/2025 11:49:54 PM
124	CCV	0	10	6/30/2025 11:56:21 PM
125	CCB	0	4	7/1/2025 12:02:32 AM

Sequence Trace 5

7/1/2025 10:03:30 PM

LabBook: WG2085564_07012025T5.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank DMC Trace5	0	1	7/1/2025 5:54:20 AM
2	ICAL	0	2	7/1/2025 6:00:45 AM
3	ICV	0	3	7/1/2025 6:07:25 AM
4	ICB	0	4	7/1/2025 6:13:32 AM
5	ICV	0	10	7/1/2025 6:19:59 AM
6	ICB	0	4	7/1/2025 6:26:09 AM
7	LLOQ RL	0	5	7/1/2025 6:32:35 AM
8	ICSA	0	6	7/1/2025 6:38:59 AM
9	SIC Multi	0	7	7/1/2025 6:45:46 AM
10	LDR Check	0	8	7/1/2025 6:52:33 AM
11	IEC V 10 TI-	1	1	7/1/2025 7:28:58 AM
12	LDR 100 K pass	1	2	7/1/2025 7:35:30 AM
13	xIEC Cr 20 wrong spot	3	3	7/1/2025 8:06:55 AM
14	IEC Cr 20 Sb-	1	3	7/1/2025 8:08:08 AM
15	CCV	0	3	7/1/2025 8:28:34 AM
16	CCB	0	4	7/1/2025 8:34:39 AM
17	L2536104-02 WG2082423	1	4	7/1/2025 8:53:26 AM
18	WG2082423-7 WG2082423	1	5	7/1/2025 8:59:42 AM
19	WG2082423-8 WG2082423	1	6	7/1/2025 9:06:10 AM
20	WG2082423-9 WG2082423	1	7	7/1/2025 9:12:32 AM
21	WG2082423-10d5 WG2082423	1	8	7/1/2025 9:19:03 AM
22	CCV	0	3	7/1/2025 9:25:22 AM
23	CCB	0	4	7/1/2025 9:31:29 AM
24	WG2085346-1 WG2085346	1	9	7/1/2025 10:52:54 AM
25	WG2085346-2 WG2085346	1	10	7/1/2025 10:59:20 AM
26	L2537651-11 WG2085346	1	21	7/1/2025 11:05:47 AM
27	L2537651-14 WG2085346	1	22	7/1/2025 11:12:12 AM
28	L2537651-17 WG2085346	1	23	7/1/2025 11:18:39 AM
29	L2538805-01 WG2085346	1	11	7/1/2025 11:24:59 AM
30	WG2085346-3 WG2085346	1	12	7/1/2025 11:31:22 AM
31	WG2085346-4 WG2085346	1	13	7/1/2025 11:37:38 AM
32	WG2085346-5 WG2085346	1	14	7/1/2025 11:43:57 AM
33	WG2085346-6d5 WG2085346	1	15	7/1/2025 11:50:03 AM
34	CCV	0	3	7/1/2025 11:56:25 AM
35	CCB	0	4	7/1/2025 12:02:32 PM
36	L2537651-20 WG2085346	1	24	7/1/2025 12:12:07 PM
37	L2537651-23 WG2085346	1	25	7/1/2025 12:18:37 PM
38	L2538805-03 WG2085346	1	26	7/1/2025 12:24:55 PM
39	L2538805-04 WG2085346	1	27	7/1/2025 12:31:15 PM
40	L2538805-05 WG2085346	1	28	7/1/2025 12:37:35 PM
41	L2538805-02 WG2085346	1	16	7/1/2025 12:43:55 PM
42	WG2085346-7 WG2085346	1	17	7/1/2025 12:50:16 PM
43	WG2085346-8 WG2085346	1	18	7/1/2025 12:56:29 PM
44	WG2085346-9 WG2085346	1	19	7/1/2025 1:02:50 PM
45	WG2085346-10d5 WG2085346	1	20	7/1/2025 1:08:58 PM
46	CCV	0	3	7/1/2025 1:15:21 PM
47	CCB	0	4	7/1/2025 1:21:29 PM
48	WG2085603-1 WG2085603	1	30	7/1/2025 1:28:43 PM
49	WG2085603-2 WG2085603	1	31	7/1/2025 1:35:08 PM
50	L2540281-02 WG2085603	1	37	7/1/2025 1:41:20 PM
51	L2538805-06 WG2085346	1	29	7/1/2025 1:47:40 PM
52	L2540281-01 WG2085603	1	32	7/1/2025 1:54:06 PM
53	WG2085603-3 WG2085603	1	33	7/1/2025 2:00:27 PM
54	WG2085603-4 WG2085603	1	34	7/1/2025 2:06:41 PM
55	WG2085603-5 WG2085603	1	35	7/1/2025 2:13:03 PM
56	WG2085603-6D5 WG2085603	1	36	7/1/2025 2:19:18 PM
57	CCV	0	3	7/1/2025 2:25:41 PM
58	CCB	0	4	7/1/2025 2:31:49 PM
59	WG2085769-1 WG2085769	1	38	7/1/2025 2:55:24 PM
60	WG2085769-2 WG2085769	1	39	7/1/2025 3:01:57 PM
61	I2538908-01 WG2085769	1	40	7/1/2025 3:08:05 PM
62	WG2085769-3 WG2085769	1	41	7/1/2025 3:15:07 PM
63	WG2085769-4 WG2085769	1	42	7/1/2025 3:21:21 PM
64	I2537849-01 WG2085769	1	43	7/1/2025 3:27:51 PM
65	CCV	0	3	7/1/2025 3:34:21 PM
66	CCB	0	4	7/1/2025 3:40:28 PM
67	WG2082734-1 WG2082734	1	44	7/1/2025 3:58:01 PM
68	WG2082734-2 WG2082734	1	45	7/1/2025 4:04:26 PM
69	L2536247-09 WG2082734	1	56	7/1/2025 4:10:41 PM
70	L2536247-10 WG2082734	1	57	7/1/2025 4:18:22 PM
71	L2536247-11 WG2082734	1	58	7/1/2025 4:24:44 PM
72	L2536247-12 WG2082734	1	46	7/1/2025 4:31:06 PM

Sequence Trace 5

7/1/2025 10:03:30 PM

Index:	Label:	Rack	Vial	Start time:
73	WG2082734-3 WG2082734	1	47	7/1/2025 4:37:29 PM
74	WG2082734-4 WG2082734	1	48	7/1/2025 4:43:40 PM
75	WG2082734-5 WG2082734	1	49	7/1/2025 4:54:44 PM
76	WG2082734-6D5 WG2082734	1	50	7/1/2025 5:00:48 PM
77	CCV	0	3	7/1/2025 5:07:10 PM
78	CCB	0	4	7/1/2025 5:13:17 PM
79	LDR 5 Sr	2	6	7/1/2025 5:24:25 PM
80	L2536247-13 WG2082734	1	59	7/1/2025 5:35:46 PM
81	L2536247-14 WG2082734	1	60	7/1/2025 5:42:09 PM
82	L2536247-15 WG2082734	2	1	7/1/2025 5:48:32 PM
83	L2536247-16 WG2082734	2	2	7/1/2025 5:54:54 PM
84	L2536247-08 WG2082734	1	51	7/1/2025 6:01:15 PM
85	WG2082734-7 WG2082734	1	52	7/1/2025 6:07:37 PM
86	WG2082734-8 WG2082734	1	53	7/1/2025 6:13:45 PM
87	WG2082734-9 WG2082734	1	54	7/1/2025 6:20:07 PM
88	WG2082734-10D5 WG2082734	1	55	7/1/2025 6:26:28 PM
89	CCV	0	3	7/1/2025 6:32:50 PM
90	CCB	0	4	7/1/2025 6:38:57 PM
91	OB scan 6247-02 tot	2	7	7/1/2025 6:45:26 PM
92	OB scan 6247-02 sol	2	8	7/1/2025 6:51:48 PM
93	OB scan 6247-06 tot	2	9	7/1/2025 6:58:11 PM
94	OB scan 6247-06 sol	2	10	7/1/2025 7:04:34 PM
95	OB scan 6247-07 tot	2	11	7/1/2025 7:10:56 PM
96	OB scan 6247-07 sol	2	12	7/1/2025 7:17:19 PM
97	L2536247-17 WG2082734	2	3	7/1/2025 7:23:42 PM
98	L2536247-18 WG2082734	2	4	7/1/2025 7:36:19 PM
99	L2536247-20 WG2082734	2	5	7/1/2025 7:42:41 PM
100	CCV	0	3	7/1/2025 7:49:03 PM
101	CCB	0	4	7/1/2025 7:55:10 PM
102	CCV	0	3	7/1/2025 8:16:01 PM
103	CCB	0	4	7/1/2025 8:22:09 PM
104	WG2085116-1 WG2085116	2	13	7/1/2025 8:34:25 PM
105	WG2085116-2 WG2085116	2	14	7/1/2025 8:41:03 PM
106	L2539018-01 WG2085116	2	15	7/1/2025 8:48:06 PM
107	WG2085116-3 WG2085116	2	16	7/1/2025 8:54:34 PM
108	WG2085116-4 WG2085116	2	17	7/1/2025 9:01:02 PM
109	WG2085116-5 WG2085116	2	18	7/1/2025 9:10:51 PM
110	WG2085116-6d5 WG2085116	2	19	7/1/2025 9:17:13 PM
111	L2539018-02 WG2085116	2	20	7/1/2025 9:23:34 PM
112	CCV	0	3	7/1/2025 9:30:02 PM
113	CCB	0	4	7/1/2025 9:36:09 PM
114	L2536641-01 WG2084038	2	21	7/1/2025 9:54:25 PM
115	WG2084038-3 WG2084038	2	22	
116	WG2084038-4 WG2084038	2	23	
117	WG2084038-5 WG2084038	2	24	
118	WG2084038-6d5 WG2084038	2	25	
119	L2536804-01 WG2084038	2	26	
120	L2537369-01 WG2084038	2	27	
121	L2537369-02 WG2084038	2	28	
122	L2537369-03 WG2084038	2	29	
123	L2537369-04 WG2084038	2	30	
124	CCV	0	3	
125	CCB	0	4	
126	L2537424-01 WG2084038	2	31	
127	L2537424-02 WG2084038	2	32	
128	CCV	0	10	
129	CCB	0	4	

Sequence Trace 8

7/1/2025 10:16:24 PM

LabBook: WG2085567_07012025T8.imexp

Summary

Index	Label	Rack	Vial	Started at
1	Blank JMF Trace8	0	1	7/1/2025 6:02:17 AM
2	ICAL	0	2	7/1/2025 6:05:51 AM
3	ICV	0	3	7/1/2025 6:19:58 AM
4	ICB	0	4	7/1/2025 6:23:36 AM
5	ICV	0	10	7/1/2025 6:27:00 AM
6	ICB	0	4	7/1/2025 6:30:26 AM
7	LLOQ	0	5	7/1/2025 6:33:50 AM
8	ICSA	0	6	7/1/2025 6:37:15 AM
9	SIC Multi	0	7	7/1/2025 6:42:10 AM
10	LDR Check	0	8	7/1/2025 6:46:36 AM
11	LLOQ 0.05ppm Ca Fe	1	1	7/1/2025 7:04:08 AM
12	zLLOQ 0.02ppm	1	2	7/1/2025 7:07:37 AM
13	LLOQ 0.01ppm Se	1	3	7/1/2025 7:10:59 AM
14	LLOQ 0.005ppm As Zn	1	4	7/1/2025 7:14:22 AM
15	IEC 10 V +Tl	1	5	7/1/2025 7:17:46 AM
16	LDR 5 As pass	1	6	7/1/2025 7:21:10 AM
17	CCV	0	3	7/1/2025 7:57:32 AM
18	CCB	0	4	7/1/2025 8:01:08 AM
19	WG2084895-1 WG2084895	1	7	7/1/2025 8:17:23 AM
20	WG2084895-2D2 WG2084895	1	8	7/1/2025 8:20:54 AM
21	L2536196-02 WG2080546	1	15	7/1/2025 8:24:18 AM
22	L2540136-01D2 WG2084895	1	14	7/1/2025 8:27:40 AM
23	L2536323-25D2 WG2084895	1	9	7/1/2025 8:31:04 AM
24	WG2084895-3D2 WG2084895	1	10	7/1/2025 8:34:28 AM
25	WG2084895-4D2 WG2084895	1	11	7/1/2025 8:37:53 AM
26	WG2084895-5D2 WG2084895	1	12	7/1/2025 8:41:18 AM
27	WG2084895-6D10 WG2084895	1	13	7/1/2025 8:44:44 AM
28	CCV	0	3	7/1/2025 8:48:06 AM
29	CCB	0	4	7/1/2025 8:51:30 AM
30	WG2085572-1 WG2085572	1	16	7/1/2025 9:42:07 AM
31	WG2085572-2 WG2085572	1	17	7/1/2025 9:45:42 AM
32	L2538045-01 WG2085572	1	18	7/1/2025 9:49:05 AM
33	WG2085572-3 WG2085572	1	19	7/1/2025 9:52:29 AM
34	WG2085572-4 WG2085572	1	20	7/1/2025 9:55:52 AM
35	L2539062-01 WG2085572	1	21	7/1/2025 9:59:15 AM
36	L2539693-01 WG2085572	1	23	7/1/2025 10:02:39 AM
37	L2540360-01 WG2085572	1	24	7/1/2025 10:06:03 AM
38	L2540463-01 WG2085572	1	25	7/1/2025 10:09:30 AM
39	L2540493-01 WG2085572	1	26	7/1/2025 10:12:52 AM
40	CCV	0	3	7/1/2025 10:16:14 AM
41	CCB	0	4	7/1/2025 10:19:38 AM
42	L2540493-02 WG2085572	1	27	7/1/2025 10:29:39 AM
43	L2540493-03 WG2085572	1	28	7/1/2025 10:33:14 AM
44	L2540493-04 WG2085572	1	29	7/1/2025 10:36:36 AM
45	L2540493-05 WG2085572	1	30	7/1/2025 10:40:00 AM
46	L2540673-01 WG2085572	1	31	7/1/2025 10:43:23 AM
47	L2540673-03 WG2085572	1	32	7/1/2025 10:46:46 AM
48	L2540673-05 WG2085572	1	33	7/1/2025 10:50:10 AM
49	L2540838-01 WG2085572	1	34	7/1/2025 10:53:35 AM
50	L2540838-02 WG2085572	1	35	7/1/2025 10:56:59 AM
51	L2540838-03 WG2085572	1	36	7/1/2025 11:00:24 AM
52	CCV	0	3	7/1/2025 11:03:49 AM
53	CCB	0	4	7/1/2025 11:07:13 AM
54	WG2085616-1 WG2085616	1	37	7/1/2025 11:46:39 AM
55	WG2085616-2D2 WG2085616	1	38	7/1/2025 11:50:16 AM
56	WG2085616-3D2 WG2085616	1	39	7/1/2025 11:53:38 AM
57	L2540691-01D2 WG2085616	1	40	7/1/2025 11:57:02 AM
58	L2540691-02D2 WG2085616	1	41	7/1/2025 12:00:25 PM
59	L2540691-03D2 WG2085616	1	42	7/1/2025 12:03:48 PM
60	L2540691-04D2 WG2085616	1	43	7/1/2025 12:07:12 PM
61	L2540691-05D2 WG2085616	1	44	7/1/2025 12:10:36 PM
62	L2540691-06D2 WG2085616	1	45	7/1/2025 12:14:01 PM
63	L2539091-02 WG2085572	1	22	7/1/2025 12:17:26 PM
64	CCV	0	3	7/1/2025 12:20:52 PM
65	CCB	0	4	7/1/2025 12:24:17 PM
66	L2540691-07D2 WG2085616	1	46	7/1/2025 12:33:01 PM
67	L2540691-08D2 WG2085616	1	47	7/1/2025 12:36:31 PM
68	L2540691-09D2 WG2085616	1	48	7/1/2025 12:39:57 PM

Sequence Trace 8

7/1/2025 10:16:24 PM

Index	Label	Rack	Vial	Started at
69	L2540691-10D2 WG2085616	1	49	7/1/2025 12:43:23 PM
70	L2540691-11D2 WG2085616	1	50	7/1/2025 12:46:46 PM
71	L2540691-12D2 WG2085616	1	51	7/1/2025 12:50:10 PM
72	L2540691-13D2 WG2085616	1	52	7/1/2025 12:53:34 PM
73	L2540691-14D2 WG2085616	1	53	7/1/2025 12:56:58 PM
74	L2540691-15D2 WG2085616	1	54	7/1/2025 1:00:22 PM
75	L2540691-16D2 WG2085616	1	55	7/1/2025 1:03:46 PM
76	CCV	0	3	7/1/2025 1:07:11 PM
77	CCB	0	4	7/1/2025 1:10:36 PM
78	L2539735-01d2 WG2085573	1	56	7/1/2025 1:37:07 PM
79	L2539762-01d2 WG2085573	1	57	7/1/2025 1:40:45 PM
80	L2539763-01d2 WG2085573	1	58	7/1/2025 1:44:10 PM
81	L2539764-01d2 WG2085573	1	59	7/1/2025 1:47:35 PM
82	L2540838-02d2 WG2085573	1	60	7/1/2025 1:51:00 PM
83	L2540838-03d2 WG2085573	2	1	7/1/2025 1:54:26 PM
84	CCV	0	3	7/1/2025 1:57:50 PM
85	CCB	0	4	7/1/2025 2:01:14 PM
86	WG2085680-1 WG2085680	2	2	7/1/2025 2:19:25 PM
87	WG2085680-2D2 WG2085680	2	3	7/1/2025 2:23:05 PM
88	L2536905-16D2 WG2085680	2	9	7/1/2025 2:26:29 PM
89	L2536905-20D2 WG2085680	2	10	7/1/2025 2:29:54 PM
90	L2536905-22D2 WG2085680	2	11	7/1/2025 2:33:19 PM
91	L2536905-10D2 WG2085680	2	4	7/1/2025 2:36:45 PM
92	WG2085680-3D2 WG2085680	2	5	7/1/2025 2:40:09 PM
93	WG2085680-4D2 WG2085680	2	6	7/1/2025 2:43:33 PM
94	WG2085680-5D2 WG2085680	2	7	7/1/2025 2:46:57 PM
95	WG2085680-6D10 WG2085680	2	8	7/1/2025 2:50:21 PM
96	CCV	0	3	7/1/2025 2:53:46 PM
97	CCB	0	4	7/1/2025 2:57:10 PM
98	L2534799-01d2 WG2085176	2	12	7/1/2025 3:38:17 PM
99	eL2534799-02d2 WG2085176	2	13	7/1/2025 3:41:59 PM
100	L2534799-03d2 WG2085176	2	14	7/1/2025 3:45:24 PM
101	L2534799-04d2 WG2085176	2	15	7/1/2025 3:48:49 PM
102	L2534799-05d2 WG2085176	2	16	7/1/2025 3:52:13 PM
103	L2537439-01d2 WG2085176	2	17	7/1/2025 3:55:38 PM
104	L2537439-02d2 WG2085176	2	18	7/1/2025 3:59:03 PM
105	L2537439-03d2 WG2085176	2	19	7/1/2025 4:02:28 PM
106	L2537499-07d2 WG2085176	2	20	7/1/2025 4:05:53 PM
107	L2537499-08d2 WG2085176	2	21	7/1/2025 4:09:18 PM
108	CCV	0	3	7/1/2025 4:12:44 PM
109	CCB	0	4	7/1/2025 4:16:08 PM
110	CCV	0	3	7/1/2025 4:27:09 PM
111	CCB	0	4	7/1/2025 4:30:40 PM
112	LDR 400 Fe	2	27	7/1/2025 4:39:09 PM
113	L2537499-09d2 WG2085176	2	22	7/1/2025 4:53:26 PM
114	L2537499-15d2 WG2085176	2	23	7/1/2025 4:56:58 PM
115	L2539085-02d2 WG2085176	2	24	7/1/2025 5:00:24 PM
116	L2539085-04d2 WG2085176	2	25	7/1/2025 5:03:51 PM
117	L2539085-06d2 WG2085176	2	26	7/1/2025 5:07:16 PM
118	L2534799-02d4 WG2085176	2	28	7/1/2025 5:17:05 PM
119	L2539085-02d4 WG2085176	2	29	7/1/2025 5:20:37 PM
120	CCV	0	3	7/1/2025 5:28:47 PM
121	CCB	0	4	7/1/2025 5:32:18 PM
122	L2539085-04d4 WG2085176	2	30	7/1/2025 6:12:15 PM
123	L2536332-01d2 WG2083254	2	31	7/1/2025 6:15:55 PM
124	L2536332-02d2 WG2083254	2	32	7/1/2025 6:19:21 PM
125	WG2085734-1 WG2085734	2	43	7/1/2025 6:49:37 PM
126	WG2085734-2d2 WG2085734	2	44	7/1/2025 6:53:09 PM
127	WG2085734-3d2 WG2085734	2	45	7/1/2025 6:56:35 PM
128	L2540673-01d2 WG2085734	2	48	7/1/2025 7:00:00 PM
129	L2540673-03d2 WG2085734	2	49	7/1/2025 7:03:26 PM
130	L2540673-05d2 WG2085734	2	50	7/1/2025 7:06:52 PM
131	CCV	0	3	7/1/2025 7:10:18 PM
132	CCB	0	4	7/1/2025 7:13:43 PM
133	L2536332-03d2 WG2083254	2	33	7/1/2025 7:22:06 PM
134	L2536691-01d2 WG2083254	2	34	7/1/2025 7:25:48 PM
135	L2536691-02d2 WG2083254	2	35	7/1/2025 7:29:13 PM
136	L2536696-01d2 WG2083254	2	36	7/1/2025 7:32:40 PM
137	L2536696-02d2 WG2083254	2	37	7/1/2025 7:36:06 PM
138	L2536696-03d2 WG2083254	2	38	7/1/2025 7:39:32 PM
139	L2536696-04d2 WG2083254	2	39	7/1/2025 7:42:58 PM
140	L2536696-05d2 WG2083254	2	40	7/1/2025 7:46:24 PM
141	L2536696-06d2 WG2083254	2	41	7/1/2025 7:49:49 PM
142	L2538075-01d2 WG2083254	2	42	7/1/2025 7:53:15 PM

Sequence Trace 8

7/1/2025 10:16:24 PM

Index	Label	Rack	Vial	Started at
143	CCV	0	3	7/1/2025 8:03:56 PM
144	CCB	0	4	7/1/2025 8:07:38 PM
145	L2539033-01d2 WG2085734	2	46	7/1/2025 8:18:55 PM
146	L2539033-02d2 WG2085734	2	47	7/1/2025 8:22:37 PM
147	L2537499-09d4 WG2085176	2	51	7/1/2025 8:26:03 PM
148	L2536691-01d10 WG2083254	2	52	7/1/2025 8:32:42 PM
149	L2536691-02d10 WG2083254	2	53	7/1/2025 8:36:15 PM
150	CCV	0	3	7/1/2025 8:41:06 PM
151	CCB	0	4	7/1/2025 8:44:31 PM
152	WG2085270-1 WG2085270	2	54	7/1/2025 9:02:07 PM
153	WG2085270-2d2 WG2085270	2	55	7/1/2025 9:05:49 PM
154	L2537081-01d2 WG2085270	3	1	7/1/2025 9:09:16 PM
155	L2537081-04d2 WG2085270	2	56	7/1/2025 9:12:42 PM
156	WG2085270-3d2 WG2085270	2	57	7/1/2025 9:16:09 PM
157	WG2085270-4d2 WG2085270	2	58	7/1/2025 9:19:35 PM
158	WG2085270-5d2 WG2085270	2	59	7/1/2025 9:23:01 PM
159	WG2085270-6d10 WG2085270	2	60	7/1/2025 9:26:27 PM
160	WG2082734-2 WG2082734	3	2	7/1/2025 9:29:54 PM
161	CCV	0	3	7/1/2025 9:33:21 PM
162	CCB	0	4	7/1/2025 9:36:47 PM
163	LDR 50 Co pass	3	3	7/1/2025 9:57:25 PM
164	LDR 50 Cr pass	3	4	7/1/2025 10:01:09 PM
165	LDR 50 Ni pass	3	5	7/1/2025 10:04:37 PM
166	<Identifier>	0	1	
167	<Identifier>	0	1	
168	<Identifier>	0	1	
169	<Identifier>	0	1	
170	<Identifier>	0	1	
171	<Identifier>	0	1	
172	<Identifier>	0	1	
173	<Identifier>	0	1	
174	<Identifier>	0	1	
175	<Identifier>	0	1	
176	<Identifier>	0	1	
177	<Identifier>	0	1	
178	<Identifier>	0	1	
179	<Identifier>	0	1	
180	CCV	0	3	
181	CCB	0	4	

Sequence Trace 9

7/1/2025 2:45:35 PM

LabBook: WG2085565_07012025T9.imexp

Summary

Index	Label	Rack	Vial	Started at
1	xBlank DMC Trace9	0	1	7/1/2025 6:00:39 AM
2	xICAL	0	2	7/1/2025 6:04:04 AM
3	xICV	0	3	7/1/2025 6:07:16 AM
4	xICB	0	4	7/1/2025 6:10:29 AM
5	Blank DMC Trace9	0	1	7/1/2025 6:32:50 AM
6	ICAL	0	2	7/1/2025 6:36:14 AM
7	ICV	0	3	7/1/2025 6:52:48 AM
8	ICB	0	4	7/1/2025 6:56:07 AM
9	ICV	0	10	7/1/2025 7:10:38 AM
10	ICB	0	4	7/1/2025 7:14:01 AM
11	LLOQ Cap On	0	5	7/1/2025 7:34:16 AM
12	LLOQ	0	5	7/1/2025 7:41:33 AM
13	ICSA	0	6	7/1/2025 7:45:00 AM
14	SIC Multi	0	7	7/1/2025 7:50:15 AM
15	LDR Check	0	8	7/1/2025 7:53:30 AM
16	LDR As 5 pass	1	1	7/1/2025 8:16:15 AM
17	LDR Fe 200 pass	1	2	7/1/2025 8:19:39 AM
18	LDR Mg 500 pass	1	3	7/1/2025 8:22:50 AM
19	xLDR Na 500	1	4	7/1/2025 8:26:01 AM
20	CCV	0	3	7/1/2025 8:33:53 AM
21	CCB	0	4	7/1/2025 8:37:11 AM
22	zLDR Sr 10 pass	1	9	7/1/2025 9:06:59 AM
23	L2539538-01d100 WG2085387	1	5	7/1/2025 9:10:18 AM
24	L2539538-02d100 WG2085387	1	6	7/1/2025 9:13:30 AM
25	L2539538-03d100 WG2085387	1	7	7/1/2025 9:16:43 AM
26	L2539538-04d100 WG2085387	1	8	7/1/2025 9:19:55 AM
27	CCV	0	3	7/1/2025 9:23:08 AM
28	CCB	0	4	7/1/2025 9:26:21 AM
29	WG2082283-2 WG2082283	1	10	7/1/2025 9:31:30 AM
30	xLDR Sr 50	1	11	7/1/2025 9:34:43 AM
31	LDR 20 Sr pass	1	12	7/1/2025 9:57:19 AM
32	CCV	0	3	7/1/2025 10:06:43 AM
33	CCB	0	4	7/1/2025 10:10:02 AM
34	WG2085387-1 WG2085387	1	13	7/1/2025 10:22:17 AM
35	WG2085387-2 WG2085387	1	14	7/1/2025 10:25:41 AM
36	CCV	0	3	7/1/2025 10:28:52 AM
37	CCB	0	4	7/1/2025 10:32:05 AM
38	WG2085573-1 WG2085573	1	15	7/1/2025 10:45:18 AM
39	WG2085573-2d2 WG2085573	1	16	7/1/2025 10:48:43 AM
40	L2540838-01d2 WG2085573	1	17	7/1/2025 10:51:55 AM
41	WG2085573-3d2 WG2085573	1	18	7/1/2025 10:55:06 AM
42	WG2085573-4d2 WG2085573	1	19	7/1/2025 10:58:18 AM
43	WG2085573-5d2 WG2085573	1	20	7/1/2025 11:01:31 AM
44	WG2085573-6d10 WG2085573	1	21	7/1/2025 11:04:44 AM
45	L2538129-01d2 WG2085573	1	22	7/1/2025 11:07:57 AM
46	L2538129-02d2 WG2085573	1	23	7/1/2025 11:11:11 AM
47	L2538129-03d2 WG2085573	1	24	7/1/2025 11:14:24 AM
48	CCV	0	3	7/1/2025 11:22:57 AM
49	CCB	0	4	7/1/2025 11:26:22 AM
50	L2538129-04d2 WG2085573	1	25	7/1/2025 11:32:26 AM
51	L2539735-01d2 WG2085573	1	26	7/1/2025 11:35:40 AM
52	L2539762-01d2 WG2085573	1	27	7/1/2025 11:38:51 AM
53	L2539763-01d2 WG2085573	1	28	7/1/2025 11:42:02 AM
54	L2539764-01d2 WG2085573	1	29	7/1/2025 11:45:14 AM
55	L2540359-01d2 WG2085573	1	30	7/1/2025 11:48:26 AM
56	L2540359-02d2 WG2085573	1	31	7/1/2025 11:51:38 AM
57	L2540359-03d2 WG2085573	1	32	7/1/2025 11:54:51 AM
58	L2540359-04d2 WG2085573	1	33	7/1/2025 11:58:04 AM
59	L2540359-05d2 WG2085573	1	34	7/1/2025 12:01:17 PM
60	CCV	0	3	7/1/2025 12:06:32 PM
61	CCB	0	4	7/1/2025 12:09:45 PM
62	CCV cap on	0	10	7/1/2025 12:19:53 PM
63	CCV	0	10	7/1/2025 12:22:34 PM
64	CCB	0	4	7/1/2025 12:26:05 PM
65	L2540359-06d2 WG2085573	1	35	7/1/2025 12:29:20 PM
66	L2540359-07d2 WG2085573	1	36	7/1/2025 12:32:34 PM
67	L2540359-08d2 WG2085573	1	37	7/1/2025 12:35:48 PM
68	L2540359-09d2 WG2085573	1	38	7/1/2025 12:39:00 PM

Sequence Trace 9

7/1/2025 2:45:35 PM

Index	Label	Rack	Vial	Started at
69	L2540838-02d2 WG2085573	1	39	7/1/2025 12:42:12 PM
70	L2540838-03d2 WG2085573	1	40	7/1/2025 12:45:24 PM
71	LDR Na 100	1	41	7/1/2025 12:51:01 PM
72	L2540838-03d4 WG2085573	1	54	7/1/2025 12:59:44 PM
73	CCV	0	3	7/1/2025 1:04:11 PM
74	CCB	0	4	7/1/2025 1:07:24 PM
75	WG2085608-1 WG2085608	1	42	7/1/2025 1:25:13 PM
76	WG2085608-2d2 WG2085608	1	43	7/1/2025 1:28:39 PM
77	L2539685-01d2 WG2085608	1	49	7/1/2025 1:31:52 PM
78	L2540493-02d2 WG2085608	1	50	7/1/2025 1:35:04 PM
79	L2540493-03d2 WG2085608	1	51	7/1/2025 1:38:18 PM
80	L2540493-01d2 WG2085608	1	44	7/1/2025 1:41:30 PM
81	WG2085608-3d2 WG2085608	1	45	7/1/2025 1:44:43 PM
82	WG2085608-4d2 WG2085608	1	46	7/1/2025 1:47:56 PM
83	WG2085608-5d2 WG2085608	1	47	7/1/2025 1:51:09 PM
84	WG2085608-6d10 WG2085608	1	48	7/1/2025 1:54:22 PM
85	CCV	0	3	7/1/2025 1:57:36 PM
86	CCB	0	4	7/1/2025 2:00:49 PM
87	L2540493-04d2 WG2085608	1	52	7/1/2025 2:17:13 PM
88	L2540493-05d2 WG2085608	1	53	7/1/2025 2:20:39 PM
89	CCV	0	3	7/1/2025 2:24:51 PM
90	CCB	0	4	7/1/2025 2:28:04 PM
91		1	55	
92		1	56	
93		1	57	
94		1	58	
95		1	59	
96		1	60	
97		2	1	
98		2	2	
99		2	3	
100		2	4	
101		2	5	
102		2	6	
103		2	7	
104		2	8	
105		2	9	
106		2	10	
107		2	11	
108		2	12	
109		2	13	
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112		2	16	
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130		2	34	
131		2	35	
132		2	36	
133		2	37	
134		2	38	
135		2	39	
136		2	40	
137		2	41	
138		2	42	
139		2	43	
140		2	44	
141		2	45	
142		2	46	

Sequence Trace 9

7/1/2025 2:45:35 PM

Index	Label	Rack	Vial	Started at
143		2	47	
144		2	48	
145		2	49	
146		2	50	
147		2	51	
148		2	52	
149		2	53	
150		2	54	
151		2	55	
152		2	56	
153		2	57	
154		2	58	
155		2	59	
156		2	60	
157		3	1	
158		3	2	
159	CCV	0	10	
160	CCB	0	4	

METALS ELN REPORT

Workgroup: WG2082734

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3252418192 0MGM	1:1 HCl	tHCl2522032127NDD	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	326, 140

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2536247-08 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-09 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-10 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-11 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-12 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-13 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-14 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-15 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-16 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-17 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	

Reported: 02-JUL-25 06:31 AM

METALS ELN REPORT

Workgroup: WG2082734

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2536247-18 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
L2536247-20 SAMP	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
WG2082734-1 BLANK	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
WG2082734-2 LCS	06/24/25 13:10	Alexander Gonatas	NA	50	<2	0.5	06/24/25 13:10	7	94.8	06/24/25 16:10	50	ELN: NRS
WG2082734-3 MS	06/24/25 13:10	Alexander Gonatas	NA	50	<2	0.5	06/24/25 13:10	7	94.8	06/24/25 16:10	50	
WG2082734-4 MSD	06/24/25 13:10	Alexander Gonatas	NA	50	<2	0.5	06/24/25 13:10	7	94.8	06/24/25 16:10	50	FM2524161450 JDH
WG2082734-5 PS	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	IPS2523090812AJT
WG2082734-6 SERDIL	06/24/25 13:10	Alexander Gonatas	NA	50	<2		06/24/25 13:10	7	94.8	06/24/25 16:10	50	
WG2082734-7 MS	06/24/25 19:07	Ashley Croto	NA	50	<2	0.5	06/24/25 19:07	7	95.1	06/24/25 22:07	50	ELN: CLH
WG2082734-8 DUP	06/24/25 19:07	Ashley Croto	NA	50	<2		06/24/25 19:07	7	95.1	06/24/25 22:07	50	
WG2082734-9 PS	06/24/25 19:07	Ashley Croto	NA	50	<2		06/24/25 19:07	7	95.1	06/24/25 22:07	50	
WG2082734-10 SERDIL	06/24/25 19:07	Ashley Croto	NA	50	<2		06/24/25 19:07	7	95.1	06/24/25 22:07	50	

METALS ELN REPORT

Workgroup: WG2082734

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

METALS ELN REPORT

Workgroup: WG2082032

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3252418212 0MGM	1:1 HCl	tHCl2522032127NDD	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 326

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2535820-15 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535820-18 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535820-21 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535820-24 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535820-27 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-02 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-05 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-08 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-11 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-14 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	

Reported: 02-JUL-25 06:31 AM

METALS ELN REPORT

Workgroup: WG2082032

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2535822-17 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-20 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2535822-23 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-01 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-02 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-03 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-04 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-05 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-06 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
L2536247-07 SAMP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-1 BLANK	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	FM2524161450 JDH
WG2082032-2 LCS	06/22/25 17:30	Maisie Mcqueen	NA	50	<2	0.5	06/22/25 17:30	9	94.9	06/22/25 20:30	50	ELN:ajt

METALS ELN REPORT

Workgroup: WG2082032

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
WG2082032-3 MS	06/22/25 17:30	Maisie Mcqueen	NA	50	<2	0.5	06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-4 DUP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-5 PS	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-6 SERDIL	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-7 MS	06/22/25 17:30	Maisie Mcqueen	NA	50	<2	0.5	06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-8 DUP	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-9 PS	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	
WG2082032-10 SERDIL	06/22/25 17:30	Maisie Mcqueen	NA	50	<2		06/22/25 17:30	9	94.9	06/22/25 20:30	50	IPS2523090812AJT

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Reported: 02-JUL-25 06:31 AM

METALS ELN REPORT

Workgroup: WG2082283

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO325230 90740ARM	1:1 HCl	tHCL252202 0955JDH	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 326

Additional Reagent/Std

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2536229-01 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-01 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-02 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-03 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-04 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-05 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-06 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-07 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-08 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-09 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	

Reported: 02-JUL-25 06:31 AM

METALS ELN REPORT

Workgroup: WG2082283

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2536247-10 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-11 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-12 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-13 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-14 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-15 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-16 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-17 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-18 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
L2536247-20 SAMP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-1 BLANK	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	ELN: ADG
WG2082283-2 LCS	06/23/25 12:30	Aidan Martin	50	<2	0.5	06/23/25 12:30	10	95	06/23/25 15:30	50	IPS2523090812AJT

Reported: 02-JUL-25 06:31 AM

METALS ELN REPORT

Workgroup: WG2082283

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2082283-3 MS	06/23/25 12:30	Aidan Martin	50	<2	0.5	06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-4 DUP	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-5 PS	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-6 SERDIL	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-7 MS	06/23/25 12:30	Aidan Martin	50	<2	0.5	06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-8 MSD	06/23/25 12:30	Aidan Martin	50	<2	0.5	06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-9 PS	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	
WG2082283-10 SERDIL	06/23/25 12:30	Aidan Martin	50	<2		06/23/25 12:30	10	95	06/23/25 15:30	50	FM2524161450 JDH

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Reported: 02-JUL-25 06:31 AM

Inorganic Data
(Mercury Analysis)

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:47
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 15:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:33
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:40
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 16:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082284-1	**Date Collected**	: NA
Client ID	: WG2082284-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/27/25 15:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082284-4	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06BDUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/27/25 15:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: CME
Lab File ID	: WG2084204.pdf	**Instrument ID**	: NIC3
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:32
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:41
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 10:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 10:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 11:58
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/27/25 12:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082033-1	**Date Collected**	: NA
Client ID	: WG2082033-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/27/25 10:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1
METALS

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082033-6	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/27/25 10:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 3,245.1	**Analyst**	: JWN
Lab File ID	: wg2084211.pdf	**Instrument ID**	: NIC1
Sample Amount	: 25ml	**%Solids**	: N/A
Digestion Method	: EPA 245.1	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7439-97-6	Mercury, Dissolved	ND	0.00020	0.0001	U

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1981964-1			R1981964-3			R1981964-5		R1981964-7	
Date Analyzed :	06/27/25 07:27			06/27/25 09:13			06/27/25 10:01		06/27/25 10:59	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0030	102	0.0050	0.00490	98	0.00500	101	0.00510	101

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1981964-9			R1981964-11		R1981964-13	
Date Analyzed :				06/27/25 11:39			06/27/25 12:19		06/27/25 13:11	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				0.0050	0.00490	97	0.00490	99	0.00490	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1981964-15			R1981964-17		R1981964-19	
Date Analyzed :				06/27/25 14:12			06/27/25 15:40		06/27/25 16:20	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				0.0050	0.00490	99	0.00540	109	0.00540	108

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1981964-21						
Date Analyzed :				06/27/25 16:46						
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				0.0050	0.00530	107				

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Method 200.8)**
	80-120%	**(Methods 7470, 7471)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC1	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1981970-1			R1981970-3			R1981970-5		R1981970-7	
Date Analyzed :	06/27/25 07:13			06/27/25 09:26			06/27/25 10:06		06/27/25 10:45	
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury	0.00300	0.0031	104	0.0050	0.00550	109	0.00540	109	0.00550	110

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)

Form 2A
Initial and Continuing Calibration Verification

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC1	**Units**	: mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :				R1981970-9			R1981970-11			
Date Analyzed :				06/27/25 11:25			06/27/25 12:04			
Parameter	**True**	**Found**	**%R**	**True**	**Found**	**%R**	**Found**	**%R**	**Found**	**%R**
Mercury				0.0050	0.00550	110	0.00540	108		

Acceptance Criteria:

ICV:	**95-105%**	**(Methods 200.7, 245.1)**
	90-110%	**(Methods 200.8, 6010, 6020, 7470, 7471, 7474)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**
CCV:	**90-110%**	**(Methods 200.7, 245.1, 6010, 6020, 7474)**
	85-115%	**(Method 200.8)**
	80-120%	**(Methods 7470, 7471)**
	77-123%	**(Method 1631)**
	76-113%	**(Method 245.7)**

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration Blank	Continuing Calibration Blank(s)			Preparation Blank
Lab ID :	R1981964-2	R1981964-4	R1981964-6	R1981964-8	WG2082284-1
Date Analyzed :	06/27/25 07:30	06/27/25 09:16	06/27/25 10:04	06/27/25 11:03	06/27/25 15:07
Parameter	mg/l Q	mg/l Q	mg/l Q	mg/l Q	mg/l Q
Mercury	0.0000910 U	0.0000910 U	0.0000910 U	0.0000910 U	0.00009 U

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration Blank	Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :		R1981964-10		R1981964-12		R1981964-14			
Date Analyzed :		06/27/25 11:42		06/27/25 12:22		06/27/25 13:15			
Parameter	mg/l Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Mercury		0.0000910	U	0.0000910	U	0.0000910	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1981964-16		R1981964-18		R1981964-20			
Date Analyzed :			06/27/25 14:15		06/27/25 15:43		06/27/25 16:23			
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Mercury			0.0000910	U	0.0000910	U	0.0000910	U		

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1981964-22							
Date Analyzed :			06/27/25 16:49							
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Mercury			0.0000910	U						

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC1		

	Initial Calibration Blank	Continuing Calibration Blank(s)			Preparation Blank
Lab ID :	R1981970-2	R1981970-4	R1981970-6	R1981970-8	WG2082033-1
Date Analyzed :	06/27/25 07:16	06/27/25 09:29	06/27/25 10:09	06/27/25 10:49	06/27/25 10:29
Parameter	mg/l Q	mg/l Q	mg/l Q	mg/l Q	mg/l Q
Mercury	0.0000910 U	0.0000910 U	0.0000910 U	0.0000910 U	0.00009 U

Form 3
Blanks

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC1		

	Initial Calibration Blank		Continuing Calibration Blank(s)						Preparation Blank	
Lab ID :			R1981970-10		R1981970-12					
Date Analyzed :			06/27/25 11:28		06/27/25 12:08					
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q		Q
Mercury			0.0000910	U	0.0000910	U				

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06B	**Matrix**	: WATER
Lab Sample ID	: L2536247-02		
Matrix Spike	: WG2082284-3	**MS Analysis Date**	: 06/27/25 15:17
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**ND**	**0.005**	**0.00479**	**96**					**70-130**	**20**

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082284-5	**MS Analysis Date**	: 06/27/25 15:27
Matrix Spike Dup	: WG2082284-6	**MSD Analysis Date**	: 06/27/25 15:30

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Total	ND	0.005	0.00479	96	0.005	0.00478	96	0	70-130	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082033-3	**MS Analysis Date**	: 06/27/25 10:39
Matrix Spike Dup	: WG2082033-4	**MSD Analysis Date**	: 06/27/25 10:42

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Mercury, Dissolved	ND	0.005	0.00485	97	0.005	0.00489	98	1	75-125	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-02A	**Matrix**	: WATER
Lab Sample ID	: L2536247-13		
Matrix Spike	: WG2082033-5	**MS Analysis Date**	: 06/27/25 10:55
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Dissolved	**ND**	**0.005**	**0.00479**	**96**					**75-125**	**20**

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06B	**Matrix**	: WATER
Lab Sample ID	: L2536247-02	**Analysis Date**	: 06/27/25 15:14
Dup Sample ID	: WG2082284-4	**DUP Analysis Date**	: 06/27/25 15:20

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-02A	**Matrix**	: WATER
Lab Sample ID	: L2536247-13	**Analysis Date**	: 06/27/25 10:52
Dup Sample ID	: WG2082033-6	**DUP Analysis Date**	: 06/27/25 10:59

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Dissolved	ND	ND	NC	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082284-2	**LCS Analysis Date**	: 06/27/25 15:10
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Total	**0.00100**	**0.000990**	**100.**					**85-115**	**20**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082033-2	**LCS Analysis Date**	: 06/27/25 10:32
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Mercury, Dissolved	**0.00100**	**0.00103**	**104.**					**85-115**	**20**

Form 12
Preparation Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix	: WATER	**Prep Method**	: EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2536247-01	06/23/25 13:42	-	25
L2536247-02	06/23/25 13:42	-	25
L2536247-03	06/23/25 13:42	-	25
L2536247-04	06/23/25 13:42	-	25
L2536247-05	06/23/25 13:42	-	25
L2536247-06	06/23/25 13:42	-	25
L2536247-07	06/23/25 13:42	-	25
L2536247-08	06/23/25 13:42	-	25
L2536247-09	06/23/25 13:42	-	25
L2536247-10	06/23/25 13:42	-	25
L2536247-11	06/23/25 13:42	-	25
L2536247-12	06/23/25 13:42	-	25
L2536247-13	06/23/25 13:42	-	25
L2536247-14	06/23/25 13:42	-	25
L2536247-15	06/23/25 13:42	-	25
L2536247-16	06/23/25 13:42	-	25
L2536247-17	06/23/25 13:42	-	25
L2536247-18	06/23/25 13:42	-	25
L2536247-20	06/23/25 13:42	-	25
WG2082284-1	06/23/25 13:42	-	25
WG2082284-2	06/23/25 13:42	-	25
WG2082284-3	06/23/25 13:42	-	25
WG2082284-4	06/23/25 13:42	-	25
WG2082284-5	06/23/25 13:42	-	25
WG2082284-6	06/23/25 13:42	-	25

Form 12
Preparation Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Matrix	: WATER	**Prep Method**	: EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2536247-01	06/22/25 19:34	-	25
L2536247-02	06/22/25 19:34	-	25
L2536247-03	06/22/25 19:34	-	25
L2536247-04	06/22/25 19:34	-	25
L2536247-05	06/22/25 19:34	-	25
L2536247-06	06/22/25 19:34	-	25
L2536247-07	06/22/25 19:34	-	25
L2536247-08	06/22/25 19:34	-	25
L2536247-09	06/22/25 19:34	-	25
L2536247-10	06/22/25 19:34	-	25
L2536247-11	06/22/25 19:34	-	25
L2536247-12	06/22/25 19:34	-	25
L2536247-13	06/22/25 19:34	-	25
L2536247-14	06/22/25 19:34	-	25
L2536247-15	06/22/25 19:34	-	25
L2536247-16	06/22/25 19:34	-	25
L2536247-17	06/22/25 19:34	-	25
L2536247-18	06/22/25 19:34	-	25
L2536247-20	06/22/25 19:34	-	25
WG2082033-1	06/22/25 19:34	-	25
WG2082033-2	06/22/25 19:34	-	25
WG2082033-3	06/22/25 19:34	-	25
WG2082033-4	06/22/25 19:34	-	25
WG2082033-5	06/22/25 19:34	-	25
WG2082033-6	06/22/25 19:34	-	25

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3	**Analysis Method**	: 3,245.1
Start Date	: 06/27/25 07:27	**End Date**	: 06/27/25 16:49

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
R1981964-1 ICV	1	07:27:22	X
R1981964-2 ICB	1	07:30:41	X
R1981964-3 CCV	1	09:13:38	X
R1981964-4 CCB	1	09:16:58	X
R1981964-5 CCV	1	10:01:30	X
R1981964-6 CCB	1	10:04:48	X
R1981964-7 CCV	1	10:59:54	X
R1981964-8 CCB	1	11:03:12	X
R1981964-9 CCV	1	11:39:28	X
R1981964-10 CCB	1	11:42:46	X
R1981964-11 CCV	1	12:19:04	X
R1981964-12 CCB	1	12:22:22	X
R1981964-13 CCV	1	13:11:53	X
R1981964-14 CCB	1	13:15:11	X
R1981964-15 CCV	1	14:12:08	X
R1981964-16 CCB	1	14:15:28	X
WG2082284-1 BLANK	1	15:07:23	X
WG2082284-2 LCS	1	15:10:42	X
L2536247-02	1	15:14:01	X
WG2082284-3 MS	1	15:17:20	X
WG2082284-4 DUP	1	15:20:40	X
L2536247-12	1	15:24:00	X
WG2082284-5 MS	1	15:27:19	X
WG2082284-6 MSD	1	15:30:39	X
L2536247-01	1	15:37:17	X
R1981964-17 CCV	1	15:40:36	X
R1981964-18 CCB	1	15:43:54	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC3	**Analysis Method**	: 3,245.1
Start Date	: 06/27/25 07:27	**End Date**	: 06/27/25 16:49

Sample Number	Dilution Factor	Analysis Time	Mercury, Total
L2536247-03	1	15:47:13	X
L2536247-04	1	15:50:30	X
L2536247-05	1	15:53:49	X
L2536247-06	1	15:57:07	X
L2536247-07	1	16:00:25	X
L2536247-08	1	16:03:44	X
L2536247-09	1	16:07:01	X
L2536247-10	1	16:10:20	X
L2536247-11	1	16:13:38	X
L2536247-13	1	16:16:57	X
R1981964-19 CCV	1	16:20:15	X
R1981964-20 CCB	1	16:23:33	X
L2536247-14	1	16:26:50	X
L2536247-15	1	16:30:09	X
L2536247-16	1	16:33:27	X
L2536247-17	1	16:36:44	X
L2536247-18	1	16:40:02	X
L2536247-20	1	16:43:20	X
R1981964-21 CCV	1	16:46:40	X
R1981964-22 CCB	1	16:49:58	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC1	**Analysis Method**	: 3,245.1
Start Date	: 06/27/25 07:13	**End Date**	: 06/27/25 12:08

Sample Number	Dilution Factor	Analysis Time	Mercury, Dissolved
R1981970-1 ICV	1	07:13:13	X
R1981970-2 ICB	1	07:16:33	X
R1981970-3 CCV	1	09:26:10	X
R1981970-4 CCB	1	09:29:30	X
R1981970-5 CCV	1	10:06:13	X
R1981970-6 CCB	1	10:09:31	X
WG2082033-1 BLANK	1	10:29:20	X
WG2082033-2 LCS	1	10:32:38	X
L2536247-12	1	10:35:57	X
WG2082033-3 MS	1	10:39:15	X
WG2082033-4 MSD	1	10:42:33	X
R1981970-7 CCV	1	10:45:53	X
R1981970-8 CCB	1	10:49:10	X
L2536247-13	1	10:52:27	X
WG2082033-5 MS	1	10:55:45	X
WG2082033-6 DUP	1	10:59:04	X
L2536247-01	1	11:02:22	X
L2536247-02	1	11:05:40	X
L2536247-03	1	11:08:58	X
L2536247-04	1	11:12:16	X
L2536247-05	1	11:15:34	X
L2536247-06	1	11:18:52	X
L2536247-07	1	11:22:09	X
R1981970-9 CCV	1	11:25:26	X
R1981970-10 CCB	1	11:28:44	X
L2536247-08	1	11:32:02	X
L2536247-09	1	11:35:19	X

Form 13
Analysis Run Log

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Instrument ID	: NIC1	**Analysis Method**	: 3,245.1
Start Date	: 06/27/25 07:13	**End Date**	: 06/27/25 12:08

Sample Number	Dilution Factor	Analysis Time	Mercury, Dissolved
L2536247-10	1	11:38:37	X
L2536247-11	1	11:41:54	X
L2536247-14	1	11:45:12	X
L2536247-15	1	11:48:30	X
L2536247-16	1	11:51:48	X
L2536247-17	1	11:55:06	X
L2536247-18	1	11:58:24	X
L2536247-20	1	12:01:42	X
R1981970-11 CCV	1	12:04:59	X
R1981970-12 CCB	1	12:08:17	X

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120	20	75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.0002	0.0000915	mg/l	80-120		75-125	20	20		28 days	1 - Plastic 500ml HNO3 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria	Holding Time	Container/Sample Preservation
Mercury, Total	7439-97-6	0.08	0.05216	mg/kg	72-128		80-120	20	20		28 days	Metals Only-Glass 60mL/2oz unpreserv

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Title :
Date : 06/27/2025
Name :

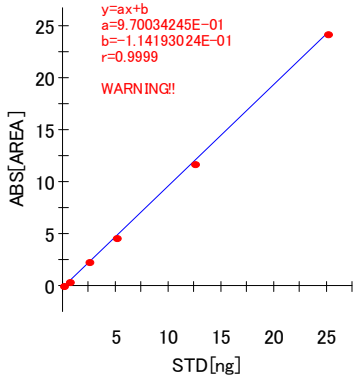
Method

STD
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0068	0.1247	-	06/27/2025 06:44	CME,NIC3
2	0.200	2.500	2.500	2.500	0.500	0.4521	0.5838	16.8	06/27/2025 06:47	CME,NIC3
3	1.000	2.500	2.500	2.500	2.500	2.2687	2.4565	1.7	06/27/2025 06:51	CME,NIC3
4	2.000	2.500	2.500	2.500	5.000	4.6806	4.9429	1.1	06/27/2025 06:54	CME,NIC3
5	5.000	2.500	2.500	2.500	12.500	11.7745	12.2560	2.0	06/27/2025 06:57	CME,NIC3
6	10.000	2.500	2.500	2.500	25.000	24.2687	25.1361	0.5	06/27/2025 07:01	CME,NIC3

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.2808	7.6234	3.049	-	06/27/2025 07:27	CME,NIC3
2	ICB	2.500	2.500	2.500	0.0064	0.1243	0.050	-	06/27/2025 07:30	CME,NIC3
3	WG2082461-1 WG2082461	2.500	2.500	2.500	0.0076	0.1256	0.050	-	06/27/2025 07:51	CME,NIC3
4	WG2082461-2 WG2082461	2.500	2.500	2.500	2.2998	2.4886	0.995	-	06/27/2025 07:55	CME,NIC3
5	WG2082461-3 WG2082461	2.500	2.500	2.500	2.3917	2.5833	1.033	-	06/27/2025 07:58	CME,NIC3
6	L2538975-01 WG2082461	2.500	2.500	2.500	0.0095	0.1275	0.051	-	06/27/2025 08:01	CME,NIC3

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	WG2084039-1 WG2084039	2.500	2.500	2.500	0.0037	0.1215	0.049	-	06/27/2025 08:53	CME,NIC3
8	WG2084039-2 WG2084039	2.500	2.500	2.500	2.0764	2.2583	0.903	-	06/27/2025 08:56	CME,NIC3
9	L2538382-06 WG2084039	2.500	2.500	2.500	0.0019	0.1197	0.048	-	06/27/2025 09:00	CME,NIC3
10	WG2084039-3 WG2084039	2.500	2.500	2.500	21.5195	22.3020	8.921	-	06/27/2025 09:03	CME,NIC3
11	WG2084039-4 WG2084039	2.500	2.500	2.500	21.4936	22.2753	8.910	-	06/27/2025 09:06	CME,NIC3
12	L2538382-01 WG2084039	2.500	2.500	2.500	0.0070	0.1249	0.050	-	06/27/2025 09:10	CME,NIC3
13	Check STD(5ug/L)	2.500	2.500	2.500	11.7912	12.2732	4.909	98.2	06/27/2025 09:13	CME,NIC3
14	Check Blank	2.500	2.500	2.500	0.0032	0.1210	0.048	-	06/27/2025 09:16	CME,NIC3
15	L2538382-02 WG2084039	2.500	2.500	2.500	0.0055	0.1234	0.049	-	06/27/2025 09:20	CME,NIC3
16	L2538382-03 WG2084039	2.500	2.500	2.500	0.0038	0.1216	0.049	-	06/27/2025 09:23	CME,NIC3
17	L2538382-04 WG2084039	2.500	2.500	2.500	0.0035	0.1213	0.049	-	06/27/2025 09:26	CME,NIC3
18	L2538382-05 WG2084039	2.500	2.500	2.500	0.0024	0.1202	0.048	-	06/27/2025 09:30	CME,NIC3
19	L2538382-07 WG2084039	2.500	2.500	2.500	0.0061	0.1240	0.050	-	06/27/2025 09:33	CME,NIC3
20	L2539680-01 WG2084039	2.500	2.500	2.500	0.0017	0.1195	0.048	-	06/27/2025 09:36	CME,NIC3
21	WG2082832-1 WG2082832	2.500	2.500	2.500	0.0005	0.1182	0.047	-	06/27/2025 09:48	CME,NIC3
22	WG2082832-2 WG2082832	2.500	2.500	2.500	2.3479	2.5382	1.015	-	06/27/2025 09:51	CME,NIC3
23	WG2082832-3 WG2082832	2.500	2.500	2.500	2.3342	2.5240	1.010	-	06/27/2025 09:54	CME,NIC3
24	L2536192-01 WG2082832	2.500	2.500	2.500	0.0201	0.1384	0.055	-	06/27/2025 09:58	CME,NIC3
25	Check STD(5ug/L)	2.500	2.500	2.500	12.0939	12.5852	5.034	100.7	06/27/2025 10:01	CME,NIC3
26	Check Blank	2.500	2.500	2.500	0.0037	0.1215	0.049	-	06/27/2025 10:04	CME,NIC3
27	L2536192-02 WG2082832	2.500	2.500	2.500	0.0040	0.1218	0.049	-	06/27/2025 10:08	CME,NIC3
28	L2536192-03 WG2082832	2.500	2.500	2.500	0.0830	0.2033	0.081	-	06/27/2025 10:11	CME,NIC3
29	L2536192-04 WG2082832	2.500	2.500	2.500	-0.0067	0.1108	0.044	-	06/27/2025 10:14	CME,NIC3
30	L2536192-05 WG2082832	2.500	2.500	2.500	0.0884	0.2089	0.084	-	06/27/2025 10:18	CME,NIC3
31	L2536192-06 WG2082832	2.500	2.500	2.500	-0.0119	0.1055	0.042	-	06/27/2025 10:21	CME,NIC3
32	L2538728-01 WG2082832	2.500	2.500	2.500	0.0017	0.1195	0.048	-	06/27/2025 10:24	CME,NIC3
33	L2538728-02 WG2082832	2.500	2.500	2.500	0.0074	0.1253	0.050	-	06/27/2025 10:27	CME,NIC3
34	WG2083469-1 WG2083469	2.500	2.500	2.500	0.0282	0.1468	0.059	-	06/27/2025 10:49	CME,NIC3
35	WG2083469-2 WG2083469	2.500	2.500	2.500	2.3453	2.5355	1.014	-	06/27/2025 10:53	CME,NIC3
36	L2536289-01 WG2083469	2.500	2.500	2.500	0.0536	0.1730	0.069	-	06/27/2025 10:56	CME,NIC3
37	Check STD(5ug/L)	2.500	2.500	2.500	12.1398	12.6325	5.053	101.1	06/27/2025 10:59	CME,NIC3
38	Check Blank	2.500	2.500	2.500	0.0044	0.1223	0.049	-	06/27/2025 11:03	CME,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	WG2083469-3 WG2083469	2.500	2.500	2.500	11.5607	12.0355	4.814	-	06/27/2025 11:06	CME,NIC3
40	WG2083469-4 WG2083469	2.500	2.500	2.500	0.0016	0.1194	0.048	-	06/27/2025 11:09	CME,NIC3
41	WG2084195-1 WG2084195	2.500	2.500	2.500	-0.0004	0.1173	0.047	-	06/27/2025 11:13	CME,NIC3
42	WG2084195-2 WG2084195	2.500	2.500	2.500	2.2145	2.4006	0.960	-	06/27/2025 11:16	CME,NIC3
43	L2537840-01 WG2084195	2.500	2.500	2.500	0.1571	0.2797	0.112	-	06/27/2025 11:19	CME,NIC3
44	WG2084195-3 WG2084195	2.500	2.500	2.500	11.3639	11.8327	4.733	-	06/27/2025 11:22	CME,NIC3
45	WG2084195-4 WG2084195	2.500	2.500	2.500	0.1356	0.2575	0.103	-	06/27/2025 11:26	CME,NIC3
46	WG2084203-1 WG2084203	2.500	2.500	2.500	0.0105	0.1285	0.051	-	06/27/2025 11:29	CME,NIC3
47	WG2084203-2 WG2084203	2.500	2.500	2.500	2.2929	2.4815	0.993	-	06/27/2025 11:32	CME,NIC3
48	L2539013-01 WG2084203	2.500	2.500	2.500	0.0104	0.1284	0.051	-	06/27/2025 11:36	CME,NIC3
49	Check STD(5ug/L)	2.500	2.500	2.500	11.6988	12.1779	4.871	97.4	06/27/2025 11:39	CME,NIC3
50	Check Blank	2.500	2.500	2.500	0.0020	0.1198	0.048	-	06/27/2025 11:42	CME,NIC3
51	WG2084203-3 WG2084203	2.500	2.500	2.500	11.1666	11.6293	4.652	-	06/27/2025 11:46	CME,NIC3
52	WG2084203-4 WG2084203	2.500	2.500	2.500	0.0093	0.1273	0.051	-	06/27/2025 11:49	CME,NIC3
53	L2539119-01 WG2084203	2.500	2.500	2.500	0.0062	0.1241	0.050	-	06/27/2025 11:52	CME,NIC3
54	L2539120-01 WG2084203	2.500	2.500	2.500	0.0084	0.1264	0.051	-	06/27/2025 11:55	CME,NIC3
55	L2539120-02 WG2084203	2.500	2.500	2.500	0.0112	0.1293	0.052	-	06/27/2025 11:59	CME,NIC3
56	L2537861-01 WG2083468	2.500	2.500	2.500	0.0085	0.1265	0.051	-	06/27/2025 12:02	CME,NIC3
57	L2538031-01 WG2083468	2.500	2.500	2.500	0.0042	0.1221	0.049	-	06/27/2025 12:05	CME,NIC3
58	WG2082586-1 WG2082586	2.500	2.500	2.500	0.0024	0.1202	0.048	-	06/27/2025 12:09	CME,NIC3
59	WG2082586-2 WG2082586	2.500	2.500	2.500	2.4907	2.6854	1.074	-	06/27/2025 12:12	CME,NIC3
60	L2536730-01 WG2082586	2.500	2.500	2.500	1.8275	2.0017	0.801	-	06/27/2025 12:15	CME,NIC3
61	Check STD(5ug/L)	2.500	2.500	2.500	11.8441	12.3277	4.931	98.6	06/27/2025 12:19	CME,NIC3
62	Check Blank	2.500	2.500	2.500	-0.0007	0.1170	0.047	-	06/27/2025 12:22	CME,NIC3
63	WG2082586-3 WG2082586	2.500	2.500	2.500	13.5964	14.1341	5.654	-	06/27/2025 12:25	CME,NIC3
64	WG2082586-4 WG2082586	2.500	2.500	2.500	13.7134	14.2547	5.702	-	06/27/2025 12:28	CME,NIC3
65	L2537926-04 WG2082586	2.500	2.500	2.500	1.0863	1.2376	0.495	-	06/27/2025 12:32	CME,NIC3
66	L2537926-05 WG2082586	2.500	2.500	2.500	0.5787	0.7143	0.286	-	06/27/2025 12:35	CME,NIC3
67	L2537926-06 WG2082586	2.500	2.500	2.500	0.1454	0.2676	0.107	-	06/27/2025 12:38	CME,NIC3
68	L2537926-07 WG2082586	2.500	2.500	2.500	0.0127	0.1308	0.052	-	06/27/2025 12:42	CME,NIC3
69	L2537926-08 WG2082586	2.500	2.500	2.500	0.2409	0.3661	0.146	-	06/27/2025 12:45	CME,NIC3
70	I2539000-01 WG2084039	2.500	2.500	2.500	-0.0025	0.1151	0.046	-	06/27/2025 13:02	CME,NIC3

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	WG2084284-1 WG2084284	2.500	2.500	2.500	-0.0002	0.1175	0.047	-	06/27/2025 13:05	CME,NIC3
72	WG2084284-2 WG2084284	2.500	2.500	2.500	2.0628	2.2442	0.898	-	06/27/2025 13:08	CME,NIC3
73	Check STD(5ug/L)	2.500	2.500	2.500	11.8661	12.3504	4.940	98.8	06/27/2025 13:11	CME,NIC3
74	Check Blank	2.500	2.500	2.500	-0.0017	0.1160	0.046	-	06/27/2025 13:15	CME,NIC3
75	WG2084284-3 WG2084284	2.500	2.500	2.500	2.1671	2.3518	0.941	-	06/27/2025 13:18	CME,NIC3
76	L2538767-02 WG2084284	2.500	2.500	2.500	0.0021	0.1199	0.048	-	06/27/2025 13:21	CME,NIC3
77	L2538767-03 WG2084284	2.500	2.500	2.500	-0.0034	0.1142	0.046	-	06/27/2025 13:25	CME,NIC3
78	L2538767-04 WG2084284	2.500	2.500	2.500	-0.0042	0.1134	0.045	-	06/27/2025 13:28	CME,NIC3
79	L2539760-01 WG2084284	2.500	2.500	2.500	0.0549	0.1743	0.070	-	06/27/2025 13:31	CME,NIC3
80	Check STD(5ug/L)	2.500	2.500	2.500	11.8709	12.3553	4.942	98.8	06/27/2025 14:12	CME,NIC3
81	Check Blank	2.500	2.500	2.500	-0.0040	0.1136	0.045	-	06/27/2025 14:15	CME,NIC3
82	WG2082284-1 WG2082284	2.500	2.500	2.500	0.0174	0.1357	0.054	-	06/27/2025 15:07	CME,NIC3
83	WG2082284-2 WG2082284	2.500	2.500	2.500	2.3080	2.4970	0.999	-	06/27/2025 15:10	CME,NIC3
84	L2536247-02 WG2082284	2.500	2.500	2.500	0.0344	0.1532	0.061	-	06/27/2025 15:14	CME,NIC3
85	WG2082284-3 WG2082284	2.500	2.500	2.500	11.5115	11.9848	4.794	-	06/27/2025 15:17	CME,NIC3
86	WG2082284-4 WG2082284	2.500	2.500	2.500	0.0489	0.1681	0.067	-	06/27/2025 15:20	CME,NIC3
87	L2536247-12 WG2082284	2.500	2.500	2.500	0.0348	0.1536	0.061	-	06/27/2025 15:24	CME,NIC3
88	WG2082284-5 WG2082284	2.500	2.500	2.500	11.5085	11.9817	4.793	-	06/27/2025 15:27	CME,NIC3
89	WG2082284-6 WG2082284	2.500	2.500	2.500	11.4948	11.9676	4.787	-	06/27/2025 15:30	CME,NIC3
90	L2536229-01 WG2082284	2.500	2.500	2.500	0.0439	0.1630	0.065	-	06/27/2025 15:33	CME,NIC3
91	L2536247-01 WG2082284	2.500	2.500	2.500	0.0227	0.1411	0.056	-	06/27/2025 15:37	CME,NIC3
92	Check STD(5ug/L)	2.500	2.500	2.500	13.0520	13.5729	5.429	108.6	06/27/2025 15:40	CME,NIC3
93	Check Blank	2.500	2.500	2.500	-0.0002	0.1175	0.047	-	06/27/2025 15:43	CME,NIC3
94	L2536247-03 WG2082284	2.500	2.500	2.500	0.0234	0.1418	0.057	-	06/27/2025 15:47	CME,NIC3
95	L2536247-04 WG2082284	2.500	2.500	2.500	0.0854	0.2058	0.082	-	06/27/2025 15:50	CME,NIC3
96	L2536247-05 WG2082284	2.500	2.500	2.500	0.0218	0.1402	0.056	-	06/27/2025 15:53	CME,NIC3
97	L2536247-06 WG2082284	2.500	2.500	2.500	0.0235	0.1419	0.057	-	06/27/2025 15:57	CME,NIC3
98	L2536247-07 WG2082284	2.500	2.500	2.500	0.0233	0.1417	0.057	-	06/27/2025 16:00	CME,NIC3
99	L2536247-08 WG2082284	2.500	2.500	2.500	0.0191	0.1374	0.055	-	06/27/2025 16:03	CME,NIC3
100	L2536247-09 WG2082284	2.500	2.500	2.500	0.0287	0.1473	0.059	-	06/27/2025 16:07	CME,NIC3
101	L2536247-10 WG2082284	2.500	2.500	2.500	0.0153	0.1335	0.053	-	06/27/2025 16:10	CME,NIC3
102	L2536247-11 WG2082284	2.500	2.500	2.500	0.0068	0.1247	0.050	-	06/27/2025 16:13	CME,NIC3

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	L2536247-13 WG2082284	2.500	2.500	2.500	0.0208	0.1392	0.056	-	06/27/2025 16:16	CME,NIC3
104	Check STD(5ug/L)	2.500	2.500	2.500	13.0000	13.5193	5.408	108.2	06/27/2025 16:20	CME,NIC3
105	Check Blank	2.500	2.500	2.500	-0.0012	0.1165	0.047	-	06/27/2025 16:23	CME,NIC3
106	L2536247-14 WG2082284	2.500	2.500	2.500	0.0554	0.1748	0.070	-	06/27/2025 16:26	CME,NIC3
107	L2536247-15 WG2082284	2.500	2.500	2.500	0.0207	0.1391	0.056	-	06/27/2025 16:30	CME,NIC3
108	L2536247-16 WG2082284	2.500	2.500	2.500	0.0178	0.1361	0.054	-	06/27/2025 16:33	CME,NIC3
109	L2536247-17 WG2082284	2.500	2.500	2.500	0.0144	0.1326	0.053	-	06/27/2025 16:36	CME,NIC3
110	L2536247-18 WG2082284	2.500	2.500	2.500	0.0110	0.1291	0.052	-	06/27/2025 16:40	CME,NIC3
111	L2536247-20 WG2082284	2.500	2.500	2.500	0.0091	0.1271	0.051	-	06/27/2025 16:43	CME,NIC3
112	Check STD(5ug/L)	2.500	2.500	2.500	12.8387	13.3530	5.341	106.8	06/27/2025 16:46	CME,NIC3
113	Check Blank	2.500	2.500	2.500	-0.0006	0.1171	0.047	-	06/27/2025 16:49	CME,NIC3

Title :
Date : 6/27/2025
Name :

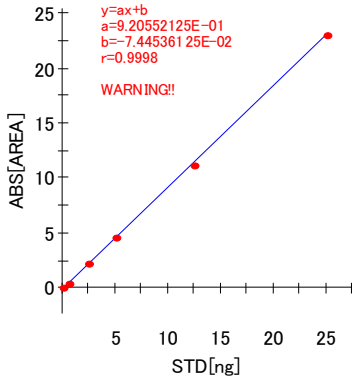
Method

STD
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3Cl : 0.0mL
(1+1)H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec

Calib



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0148	0.0970	-	06/27/2025 06:51	JWN,NIC1
2	0.200	2.500	2.500	2.500	0.500	0.4412	0.5602	12.0	06/27/2025 06:54	JWN,NIC1
3	1.000	2.500	2.500	2.500	2.500	2.1721	2.4404	2.4	06/27/2025 06:57	JWN,NIC1
4	2.000	2.500	2.500	2.500	5.000	4.5918	5.0690	1.4	06/27/2025 07:01	JWN,NIC1
5	5.000	2.500	2.500	2.500	12.500	11.1425	12.1850	2.5	06/27/2025 07:04	JWN,NIC1
6	10.000	2.500	2.500	2.500	25.000	23.0760	25.1484	0.6	06/27/2025 07:07	JWN,NIC1

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.1170	7.8121	3.125	-	06/27/2025 07:13	JWN,NIC1
2	ICB	2.500	2.500	2.500	0.0155	0.0977	0.039	-	06/27/2025 07:16	JWN,NIC1
3	WG2082510-1 WG2082510	2.500	2.500	2.500	0.0158	0.0980	0.039	-	06/27/2025 07:50	JWN,NIC1
4	WG2082510-2 WG2082510	2.500	2.500	2.500	2.1800	2.4490	0.980	-	06/27/2025 07:54	JWN,NIC1
5	WG2082510-3 WG2082510	2.500	2.500	2.500	2.4221	2.7120	1.085	-	06/27/2025 07:57	JWN,NIC1
6	L2538429-03 WG2082510	2.500	2.500	2.500	0.2880	0.3937	0.157	-	06/27/2025 08:00	JWN,NIC1

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	L2538483-02 WG2082510	2.500	2.500	2.500	0.1108	0.2012	0.080	-	06/27/2025 08:04	JWN,NIC1
8	L2538474-01 WG2083009	2.500	2.500	2.500	0.0093	0.0910	0.036	-	06/27/2025 09:09	JWN,NIC1
9	L2538474-02 WG2083009	2.500	2.500	2.500	0.0110	0.0928	0.037	-	06/27/2025 09:12	JWN,NIC1
10	L2538474-03 WG2083009	2.500	2.500	2.500	0.0091	0.0908	0.036	-	06/27/2025 09:16	JWN,NIC1
11	L2538474-04 WG2083009	2.500	2.500	2.500	0.0063	0.0877	0.035	-	06/27/2025 09:19	JWN,NIC1
12	L2538474-07 WG2083009	2.500	2.500	2.500	0.0081	0.0897	0.036	-	06/27/2025 09:22	JWN,NIC1
13	Check STD(5ug/L)	2.500	2.500	2.500	12.5219	13.6835	5.473	109.5	06/27/2025 09:26	JWN,NIC1
14	Check Blank	2.500	2.500	2.500	0.0086	0.0902	0.036	-	06/27/2025 09:29	JWN,NIC1
15	WG2079156-1 WG2079156	2.500	2.500	2.500	0.0042	0.0854	0.034	-	06/27/2025 09:33	JWN,NIC1
16	WG2079156-2 WG2079156	2.500	2.500	2.500	2.2091	2.4806	0.992	-	06/27/2025 09:36	JWN,NIC1
17	WG2079156-3 WG2079156	2.500	2.500	2.500	2.2315	2.5050	1.002	-	06/27/2025 09:39	JWN,NIC1
18	L2536262-01 WG2079156	2.500	2.500	2.500	0.0152	0.0974	0.039	-	06/27/2025 09:43	JWN,NIC1
19	L2536262-02 WG2079156	2.500	2.500	2.500	0.0139	0.0960	0.038	-	06/27/2025 09:46	JWN,NIC1
20	L2536262-03 WG2079156	2.500	2.500	2.500	0.0108	0.0926	0.037	-	06/27/2025 09:49	JWN,NIC1
21	L2536262-04 WG2079156	2.500	2.500	2.500	0.0083	0.0899	0.036	-	06/27/2025 09:53	JWN,NIC1
22	L2536262-05 WG2079156	2.500	2.500	2.500	0.0115	0.0934	0.037	-	06/27/2025 09:56	JWN,NIC1
23	L2536262-06 WG2079156	2.500	2.500	2.500	0.0067	0.0882	0.035	-	06/27/2025 09:59	JWN,NIC1
24	L2536262-07 WG2079156	2.500	2.500	2.500	0.0099	0.0916	0.037	-	06/27/2025 10:02	JWN,NIC1
25	Check STD(5ug/L)	2.500	2.500	2.500	12.4341	13.5881	5.435	108.7	06/27/2025 10:06	JWN,NIC1
26	Check Blank	2.500	2.500	2.500	0.0107	0.0925	0.037	-	06/27/2025 10:09	JWN,NIC1
27	L2536262-08 WG2079156	2.500	2.500	2.500	0.0130	0.0950	0.038	-	06/27/2025 10:12	JWN,NIC1
28	L2536262-09 WG2079156	2.500	2.500	2.500	0.0137	0.0958	0.038	-	06/27/2025 10:16	JWN,NIC1
29	L2536262-10 WG2079156	2.500	2.500	2.500	0.0104	0.0922	0.037	-	06/27/2025 10:19	JWN,NIC1
30	L2536262-11 WG2079156	2.500	2.500	2.500	0.0104	0.0922	0.037	-	06/27/2025 10:22	JWN,NIC1
31	L2536262-12 WG2079156	2.500	2.500	2.500	0.0094	0.0911	0.036	-	06/27/2025 10:26	JWN,NIC1
32	WG2082033-1 WG2082033	2.500	2.500	2.500	0.0060	0.0874	0.035	-	06/27/2025 10:29	JWN,NIC1
33	WG2082033-2 WG2082033	2.500	2.500	2.500	2.3115	2.5919	1.037	-	06/27/2025 10:32	JWN,NIC1
34	L2536247-12 WG2082033	2.500	2.500	2.500	0.0103	0.0921	0.037	-	06/27/2025 10:35	JWN,NIC1
35	WG2082033-3 WG2082033	2.500	2.500	2.500	11.1068	12.1462	4.858	-	06/27/2025 10:39	JWN,NIC1
36	WG2082033-4 WG2082033	2.500	2.500	2.500	11.1943	12.2413	4.897	-	06/27/2025 10:42	JWN,NIC1
37	Check STD(5ug/L)	2.500	2.500	2.500	12.5266	13.6886	5.475	109.5	06/27/2025 10:45	JWN,NIC1
38	Check Blank	2.500	2.500	2.500	0.0100	0.0917	0.037	-	06/27/2025 10:49	JWN,NIC1

NIC NIPPON INSTRUMENTS CORPORATION

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	L2536247-13 WG2082033	2.500	2.500	2.500	0.0227	0.1055	0.042	-	06/27/2025 10:52	JWN,NIC1
40	WG2082033-5 WG2082033	2.500	2.500	2.500	10.9573	11.9838	4.794	-	06/27/2025 10:55	JWN,NIC1
41	WG2082033-6 WG2082033	2.500	2.500	2.500	0.0116	0.0935	0.037	-	06/27/2025 10:59	JWN,NIC1
42	L2536247-01 WG2082033	2.500	2.500	2.500	0.0120	0.0939	0.038	-	06/27/2025 11:02	JWN,NIC1
43	L2536247-02 WG2082033	2.500	2.500	2.500	0.0233	0.1062	0.042	-	06/27/2025 11:05	JWN,NIC1
44	L2536247-03 WG2082033	2.500	2.500	2.500	0.0145	0.0966	0.039	-	06/27/2025 11:08	JWN,NIC1
45	L2536247-04 WG2082033	2.500	2.500	2.500	0.0362	0.1202	0.048	-	06/27/2025 11:12	JWN,NIC1
46	L2536247-05 WG2082033	2.500	2.500	2.500	0.0131	0.0951	0.038	-	06/27/2025 11:15	JWN,NIC1
47	L2536247-06 WG2082033	2.500	2.500	2.500	0.0127	0.0947	0.038	-	06/27/2025 11:18	JWN,NIC1
48	L2536247-07 WG2082033	2.500	2.500	2.500	0.0135	0.0955	0.038	-	06/27/2025 11:22	JWN,NIC1
49	Check STD(5ug/L)	2.500	2.500	2.500	12.5732	13.7392	5.496	109.9	06/27/2025 11:25	JWN,NIC1
50	Check Blank	2.500	2.500	2.500	0.0143	0.0964	0.039	-	06/27/2025 11:28	JWN,NIC1
51	L2536247-08 WG2082033	2.500	2.500	2.500	0.0119	0.0938	0.038	-	06/27/2025 11:32	JWN,NIC1
52	L2536247-09 WG2082033	2.500	2.500	2.500	0.0165	0.0988	0.040	-	06/27/2025 11:35	JWN,NIC1
53	L2536247-10 WG2082033	2.500	2.500	2.500	0.0130	0.0950	0.038	-	06/27/2025 11:38	JWN,NIC1
54	L2536247-11 WG2082033	2.500	2.500	2.500	0.0127	0.0947	0.038	-	06/27/2025 11:41	JWN,NIC1
55	L2536247-14 WG2082033	2.500	2.500	2.500	0.0336	0.1174	0.047	-	06/27/2025 11:45	JWN,NIC1
56	L2536247-15 WG2082033	2.500	2.500	2.500	0.0187	0.1012	0.040	-	06/27/2025 11:48	JWN,NIC1
57	L2536247-16 WG2082033	2.500	2.500	2.500	0.0158	0.0980	0.039	-	06/27/2025 11:51	JWN,NIC1
58	L2536247-17 WG2082033	2.500	2.500	2.500	0.0144	0.0965	0.039	-	06/27/2025 11:55	JWN,NIC1
59	L2536247-18 WG2082033	2.500	2.500	2.500	0.0124	0.0943	0.038	-	06/27/2025 11:58	JWN,NIC1
60	L2536247-20 WG2082033	2.500	2.500	2.500	0.0140	0.0961	0.038	-	06/27/2025 12:01	JWN,NIC1
61	Check STD(5ug/L)	2.500	2.500	2.500	12.4091	13.5609	5.424	108.5	06/27/2025 12:04	JWN,NIC1
62	Check Blank	2.500	2.500	2.500	0.0105	0.0923	0.037	-	06/27/2025 12:08	JWN,NIC1
63	WG2084193-1 WG2084193	2.500	2.500	2.500	0.0156	0.0978	0.039	-	06/27/2025 12:16	JWN,NIC1
64	WG2084193-2 WG2084193	2.500	2.500	2.500	2.1962	2.4666	0.987	-	06/27/2025 12:19	JWN,NIC1
65	L2537412-01 WG2084193	2.500	2.500	2.500	0.0305	0.1140	0.046	-	06/27/2025 12:23	JWN,NIC1
66	WG2084193-3 WG2084193	2.500	2.500	2.500	10.4669	11.4511	4.580	-	06/27/2025 12:27	JWN,NIC1
67	WG2084193-4 WG2084193	2.500	2.500	2.500	0.0187	0.1012	0.040	-	06/27/2025 12:30	JWN,NIC1
68	L2537339-11 WG2084193	2.500	2.500	2.500	0.0135	0.0955	0.038	-	06/27/2025 12:33	JWN,NIC1
69	L2538432-04 WG2084193	2.500	2.500	2.500	0.0135	0.0955	0.038	-	06/27/2025 12:37	JWN,NIC1
70	WG2083462-1 WG2083462	2.500	2.500	2.500	0.0195	0.1021	0.041	-	06/27/2025 12:40	JWN,NIC1

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	WG2083462-2 WG2083462	2.500	2.500	2.500	2.2570	2.5327	1.013	-	06/27/2025 12:43	JWN,NIC1
72	L2536109-03 WG2083462	2.500	2.500	2.500	0.0179	0.1003	0.040	-	06/27/2025 12:47	JWN,NIC1
73	Check STD(5ug/L)	2.500	2.500	2.500	12.5526	13.7168	5.487	109.7	06/27/2025 12:50	JWN,NIC1
74	Check Blank	2.500	2.500	2.500	0.0116	0.0935	0.037	-	06/27/2025 12:53	JWN,NIC1
75	WG2083462-3 WG2083462	2.500	2.500	2.500	10.9421	11.9673	4.787	-	06/27/2025 12:56	JWN,NIC1
76	WG2083462-4 WG2083462	2.500	2.500	2.500	0.0093	0.0910	0.036	-	06/27/2025 13:00	JWN,NIC1
77	L2536165-01 WG2083462	2.500	2.500	2.500	0.0112	0.0930	0.037	-	06/27/2025 13:03	JWN,NIC1
78	L2536176-01 WG2083462	2.500	2.500	2.500	0.0190	0.1015	0.041	-	06/27/2025 13:06	JWN,NIC1
79	L2536176-02 WG2083462	2.500	2.500	2.500	0.0307	0.1142	0.046	-	06/27/2025 13:10	JWN,NIC1
80	L2536349-02 WG2083462	2.500	2.500	2.500	0.0182	0.1007	0.040	-	06/27/2025 13:13	JWN,NIC1
81	WG2083891-1 WG2083891	2.500	2.500	2.500	0.0372	0.1213	0.049	-	06/27/2025 13:24	JWN,NIC1
82	WG2083891-2 WG2083891	2.500	2.500	2.500	2.2402	2.5144	1.006	-	06/27/2025 13:28	JWN,NIC1
83	L2537795-02 WG2083891	2.500	2.500	2.500	0.0456	0.1304	0.052	-	06/27/2025 13:31	JWN,NIC1
84	WG2083891-3 WG2083891	2.500	2.500	2.500	10.9826	12.0113	4.805	-	06/27/2025 13:34	JWN,NIC1
85	Check STD(5ug/L)	2.500	2.500	2.500	11.6555	12.7423	5.097	101.9	06/27/2025 13:38	JWN,NIC1
86	Check Blank	2.500	2.500	2.500	0.0128	0.0948	0.038	-	06/27/2025 13:41	JWN,NIC1
87	WG2083891-4 WG2083891	2.500	2.500	2.500	0.0455	0.1303	0.052	-	06/27/2025 13:44	JWN,NIC1
88	L2537795-03 WG2083891	2.500	2.500	2.500	0.0251	0.1081	0.043	-	06/27/2025 14:15	JWN,NIC1
89	L2537795-04 WG2083891	2.500	2.500	2.500	0.0478	0.1328	0.053	-	06/27/2025 14:18	JWN,NIC1
90	L2537795-05 WG2083891	2.500	2.500	2.500	0.0432	0.1278	0.051	-	06/27/2025 14:21	JWN,NIC1
91	L2537795-06 WG2083891	2.500	2.500	2.500	0.0558	0.1415	0.057	-	06/27/2025 14:25	JWN,NIC1
92	L2537795-07 WG2083891	2.500	2.500	2.500	0.0547	0.1403	0.056	-	06/27/2025 14:28	JWN,NIC1
93	L2537795-08 WG2083891	2.500	2.500	2.500	0.0734	0.1606	0.064	-	06/27/2025 14:31	JWN,NIC1
94	L2537795-09 WG2083891	2.500	2.500	2.500	0.0361	0.1201	0.048	-	06/27/2025 14:34	JWN,NIC1
95	L2537795-10 WG2083891	2.500	2.500	2.500	0.0446	0.1293	0.052	-	06/27/2025 14:38	JWN,NIC1
96	L2537795-11 WG2083891	2.500	2.500	2.500	0.0443	0.1290	0.052	-	06/27/2025 14:41	JWN,NIC1
97	Check STD(5ug/L)	2.500	2.500	2.500	11.5586	12.6370	5.055	101.1	06/27/2025 14:44	JWN,NIC1
98	Check Blank	2.500	2.500	2.500	0.0124	0.0943	0.038	-	06/27/2025 14:48	JWN,NIC1
99	L2537795-12 WG2083891	2.500	2.500	2.500	0.0530	0.1385	0.055	-	06/27/2025 14:51	JWN,NIC1
100	L2537795-13 WG2083891	2.500	2.500	2.500	0.0706	0.1576	0.063	-	06/27/2025 14:54	JWN,NIC1
101	L2537795-14 WG2083891	2.500	2.500	2.500	0.0873	0.1757	0.070	-	06/27/2025 14:58	JWN,NIC1
102	L2537795-15 WG2083891	2.500	2.500	2.500	0.0415	0.1260	0.050	-	06/27/2025 15:01	JWN,NIC1

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
103	L2537795-16 WG2083891	2.500	2.500	2.500	0.0456	0.1304	0.052	-	06/27/2025 15:04	JWN,NIC1
104	L2537795-17 WG2083891	2.500	2.500	2.500	0.0400	0.1243	0.050	-	06/27/2025 15:07	JWN,NIC1
105	L2536259-01 WG2082367	2.500	2.500	2.500	4.0882	4.5219	1.809	-	06/27/2025 16:54	JWN,NIC1
106	L2536434-01 WG2082367	2.500	2.500	2.500	0.0106	0.0924	0.037	-	06/27/2025 16:57	JWN,NIC1
107	L2536434-02 WG2082367	2.500	2.500	2.500	0.0139	0.0960	0.038	-	06/27/2025 17:01	JWN,NIC1
108	L2536434-03 WG2082367	2.500	2.500	2.500	0.0159	0.0982	0.039	-	06/27/2025 17:04	JWN,NIC1
109	Check STD(5ug/L)	2.500	2.500	2.500	11.5728	12.6525	5.061	101.2	06/27/2025 17:07	JWN,NIC1
110	Check Blank	2.500	2.500	2.500	0.0060	0.0874	0.035	-	06/27/2025 17:11	JWN,NIC1
111	L2536434-04 WG2082367	2.500	2.500	2.500	0.0156	0.0978	0.039	-	06/27/2025 17:14	JWN,NIC1
112	L2536434-05 WG2082367	2.500	2.500	2.500	0.0308	0.1143	0.046	-	06/27/2025 17:17	JWN,NIC1
113	L2536434-06 WG2082367	2.500	2.500	2.500	0.0251	0.1081	0.043	-	06/27/2025 17:20	JWN,NIC1
114	L2536434-07 WG2082367	2.500	2.500	2.500	0.0221	0.1049	0.042	-	06/27/2025 17:24	JWN,NIC1
115	L2536434-08 WG2082367	2.500	2.500	2.500	0.0264	0.1096	0.044	-	06/27/2025 17:27	JWN,NIC1
116	L2536434-09 WG2082367	2.500	2.500	2.500	0.0321	0.1157	0.046	-	06/27/2025 17:30	JWN,NIC1
117	WG2083492-1 WG2083492	2.500	2.500	2.500	0.0103	0.0921	0.037	-	06/27/2025 17:34	JWN,NIC1
118	WG2083492-2 WG2083492	2.500	2.500	2.500	2.2802	2.5579	1.023	-	06/27/2025 17:37	JWN,NIC1
119	L2536336-01 WG2083492	2.500	2.500	2.500	0.0139	0.0960	0.038	-	06/27/2025 17:40	JWN,NIC1
120	WG2083492-3 WG2083492	2.500	2.500	2.500	11.3504	12.4109	4.964	-	06/27/2025 17:43	JWN,NIC1
121	Check STD(5ug/L)	2.500	2.500	2.500	11.6137	12.6969	5.079	101.6	06/27/2025 17:47	JWN,NIC1
122	Check Blank	2.500	2.500	2.500	0.0134	0.0954	0.038	-	06/27/2025 17:50	JWN,NIC1
123	WG2083492-4 WG2083492	2.500	2.500	2.500	0.0442	0.1289	0.052	-	06/27/2025 17:53	JWN,NIC1
124	L2536336-02 WG2083492	2.500	2.500	2.500	0.0278	0.1111	0.044	-	06/27/2025 17:57	JWN,NIC1
125	WG2084363-1 WG2084363	2.500	2.500	2.500	0.1213	0.2126	0.085	-	06/27/2025 18:00	JWN,NIC1
126	WG2084363-2 WG2084363	2.500	2.500	2.500	2.0516	2.3095	0.924	-	06/27/2025 18:03	JWN,NIC1
127	L2538474-02 WG2084363	2.500	2.500	2.500	0.1982	0.2962	0.118	-	06/27/2025 18:07	JWN,NIC1
128	WG2084363-3 WG2084363	2.500	2.500	2.500	10.2547	11.2206	4.488	-	06/27/2025 18:10	JWN,NIC1
129	WG2084363-4 WG2084363	2.500	2.500	2.500	0.1958	0.2936	0.117	-	06/27/2025 18:13	JWN,NIC1
130	L2538474-01 WG2084363	2.500	2.500	2.500	0.0385	0.1227	0.049	-	06/27/2025 18:16	JWN,NIC1
131	L2538474-03 WG2084363	2.500	2.500	2.500	0.9628	1.1268	0.451	-	06/27/2025 18:20	JWN,NIC1
132	L2538474-04 WG2084363	2.500	2.500	2.500	0.0198	0.1024	0.041	-	06/27/2025 18:23	JWN,NIC1
133	Check STD(5ug/L)	2.500	2.500	2.500	11.5958	12.6775	5.071	101.4	06/27/2025 18:26	JWN,NIC1
134	Check Blank	2.500	2.500	2.500	0.0108	0.0926	0.037	-	06/27/2025 18:30	JWN,NIC1

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
135	L2538474-07 WG2084363	2.500	2.500	2.500	0.0196	0.1022	0.041	-	06/27/2025 18:33	JWN,NIC1
136	L2538474-08 WG2084363	2.500	2.500	2.500	0.4645	0.5855	0.234	-	06/27/2025 18:36	JWN,NIC1
137	WG2084331-1 WG2084331	2.500	2.500	2.500	0.0135	0.0955	0.038	-	06/27/2025 18:40	JWN,NIC1
138	WG2084331-2 WG2084331	2.500	2.500	2.500	2.0917	2.3531	0.941	-	06/27/2025 18:43	JWN,NIC1
139	L2536563-01 WG2084331	2.500	2.500	2.500	0.0137	0.0958	0.038	-	06/27/2025 18:46	JWN,NIC1
140	WG2084331-3 WG2084331	2.500	2.500	2.500	9.9527	10.8925	4.357	-	06/27/2025 18:49	JWN,NIC1
141	WG2084331-4 WG2084331	2.500	2.500	2.500	0.0148	0.0970	0.039	-	06/27/2025 18:53	JWN,NIC1
142	L2536559-01 WG2084331	2.500	2.500	2.500	0.0143	0.0964	0.039	-	06/27/2025 18:56	JWN,NIC1
143	L2536997-01 WG2084331	2.500	2.500	2.500	0.0110	0.0928	0.037	-	06/27/2025 18:59	JWN,NIC1
144	L2536999-01 WG2084331	2.500	2.500	2.500	0.0137	0.0958	0.038	-	06/27/2025 19:03	JWN,NIC1
145	Check STD(5ug/L)	2.500	2.500	2.500	12.4699	13.6270	5.451	109.0	06/27/2025 19:06	JWN,NIC1
146	Check Blank	2.500	2.500	2.500	0.0112	0.0930	0.037	-	06/27/2025 19:09	JWN,NIC1

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

ISO/IEC GUIDE 34:2009 ACCREDITED REFERENCE MATERIAL PRODUCER CERTIFICATE NO. 1539.03

ISO/IEC 17025:2005 ACCREDITED CHEMICAL TESTING LABORATORY CERTIFICATE NO. 1539.02

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Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

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▪ Certificate of Analysis ▪

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

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Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)**are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.
Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Brian Miller

Quality Officer

Matthew Seebeck

ACCREDITED ACCREDITED

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ERA
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Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Parameter	Certified Value[1]	Reference Value[7]	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

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ANALYTICAL VERIFICATION

Parameter	Certified Value[1]	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery[5]	n	SRM Number[6]	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

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1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor (k=2). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:
$U_{expanded} = k * SQRT((U_{char}^2) + (U_{homogen}^2) + (U_{LTS}^2) + (U_{STS}^2) + (U_{RSS}^2))$

Where:

$U_{expanded}$ = Expanded uncertainty.
k = Coverage factor.
U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.
$U_{homogen}$ = Standard uncertainty of the homogeneity assessment.
U_{LTS} = Standard uncertainty associated with long-term stability.
U_{STS} = Standard uncertainty associated with short-term (transport) stability.
U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = [(% recovery ERA certified reference material)/(% recovery NIST SRM)]*100
The traceability data shown were compiled by analyzing this ERA certified reference material and/or it's associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

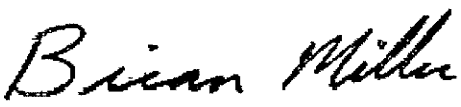
8. **Metrological Traceability**. This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller



Quality Officer

Matthew Seebeck

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

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Parameter	Certified Value[1]	Reference Value	Uncertainty[2]	QC Performance Acceptance Limits[3]	PT Performance Acceptance Limits[4]
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

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Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve. The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations
C = Sample/Standard Concentration, µg/L
k1 = y-intercept
k2 = slope

The instrument will plot peak height against concentration (µg/L). The result is generated in µg/L . This value is divided by 1000 to convert the units to mg/L. If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

Result, mg/L = (concentration, µg/L) x (1mg/1000µg) x (DF)

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

Result, mg/kg, wet = ((result, mg/L) x (FV)) /Wt

Result, mg/kg, dry wt = (Result, mg/kg wet)/(%TS)

No.	Sample No.	NAME	CURVE:WG2084061
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	WG2082461-1	WG2082461
4	10	WG2082461-2	WG2082461
5	11	WG2082461-3	WG2082461
6	12	L2538975-01	WG2082461
7	13	WG2084039-1	WG2084039
8	14	WG2084039-2	WG2084039
9	15	L2538382-06	WG2084039
10	16	WG2084039-3	WG2084039
11	17	WG2084039-4	WG2084039
12	18	L2538382-01	WG2084039
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	L2538382-02	WG2084039
16	22	L2538382-03	WG2084039
17	23	L2538382-04	WG2084039
18	24	L2538382-05	WG2084039
19	25	L2538382-07	WG2084039
20	26	L2539680-01	WG2084039
21	27	WG2082832-1	WG2082832
22	28	WG2082832-2	WG2082832
23	29	WG2082832-3	WG2082832
24	30	L2536192-01	WG2082832
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	L2536192-02	WG2082832
28	34	L2536192-03	WG2082832
29	35	L2536192-04	WG2082832
30	36	L2536192-05	WG2082832
31	37	L2536192-06	WG2082832
32	38	L2538728-01	WG2082832
33	39	L2538728-02	WG2082832
34	40	WG2083469-1	WG2083469
35	41	WG2083469-2	WG2083469
36	42	L2536289-01	WG2083469
37	43	Check STD(5ug/L)	

38	44	Check Blank
39	45	WG2083469-3 WG2083469
40	46	WG2083469-4 WG2083469
41	47	WG2084195-1 WG2084195
42	48	WG2084195-2 WG2084195
43	49	L2537840-01 WG2084195
44	50	WG2084195-3 WG2084195
45	51	WG2084195-4 WG2084195
46	52	WG2084203-1 WG2084203
47	53	WG2084203-2 WG2084203
48	54	L2539013-01 WG2084203
49	55	Check STD(5ug/L)
50	56	Check Blank
51	57	WG2084203-3 WG2084203
52	58	WG2084203-4 WG2084203
53	59	L2539119-01 WG2084203
54	60	L2539120-01 WG2084203
55	61	L2539120-02 WG2084203
56	62	L2537861-01 WG2083468
57	63	L2538031-01 WG2083468
58	64	WG2082586-1 WG2082586
59	65	WG2082586-2 WG2082586
60	66	L2536730-01 WG2082586
61	67	Check STD(5ug/L)
62	68	Check Blank
63	69	WG2082586-3 WG2082586
64	70	WG2082586-4 WG2082586
65	71	L2537926-04 WG2082586
66	72	L2537926-05 WG2082586
67	73	L2537926-06 WG2082586
68	74	L2537926-07 WG2082586
69	75	L2537926-08 WG2082586
70	76	l2539000-01 WG2084039
71	77	WG2084284-1 WG2084284
72	78	WG2084284-2 WG2084284
73	79	Check STD(5ug/L)
74	80	Check Blank
75	1	WG2084284-3 WG2084284
76	2	L2538767-02 WG2084284
77	3	L2538767-03 WG2084284
78	4	L2538767-04 WG2084284
79	5	L2539760-01 WG2084284
80	11	Check STD(5ug/L)
81	12	Check Blank

82	13	WG2082284-1 WG2082284
83	14	WG2082284-2 WG2082284
84	15	L2536247-02 WG2082284
85	16	WG2082284-3 WG2082284
86	17	WG2082284-4 WG2082284
87	18	L2536247-12 WG2082284
88	19	WG2082284-5 WG2082284
89	20	WG2082284-6 WG2082284
90	21	L2536229-01 WG2082284
91	22	L2536247-01 WG2082284
92	23	Check STD(5ug/L)
93	24	Check Blank
94	25	L2536247-03 WG2082284
95	26	L2536247-04 WG2082284
96	27	L2536247-05 WG2082284
97	28	L2536247-06 WG2082284
98	29	L2536247-07 WG2082284
99	30	L2536247-08 WG2082284
100	31	L2536247-09 WG2082284
101	32	L2536247-10 WG2082284
102	33	L2536247-11 WG2082284
103	34	L2536247-13 WG2082284
104	35	Check STD(5ug/L)
105	36	Check Blank
106	37	L2536247-14 WG2082284
107	38	L2536247-15 WG2082284
108	39	L2536247-16 WG2082284
109	40	L2536247-17 WG2082284
110	41	L2536247-18 WG2082284
111	42	L2536247-20 WG2082284
112	47	Check STD(5ug/L)
113	48	Check Blank

No.	Sample No.	NAME	CURVE: WG2084061
1	1	STD	
2	2	STD	
3	3	STD	
4	4	STD	
5	5	STD	
6	6	STD	
1	7	ICV	
2	8	ICB	
3	9	WG2082510-1	WG2082510
4	10	WG2082510-2	WG2082510
5	11	WG2082510-3	WG2082510
6	12	L2538429-03	WG2082510
7	13	L2538483-02	WG2082510
8	14	L2538474-01	WG2083009
9	15	L2538474-02	WG2083009
10	16	L2538474-03	WG2083009
11	17	L2538474-04	WG2083009
12	18	L2538474-07	WG2083009
13	19	Check STD(5ug/L)	
14	20	Check Blank	
15	21	WG2079156-1	WG2079156
16	22	WG2079156-2	WG2079156
17	23	WG2079156-3	WG2079156
18	24	L2536262-01	WG2079156
19	25	L2536262-02	WG2079156
20	26	L2536262-03	WG2079156
21	27	L2536262-04	WG2079156
22	28	L2536262-05	WG2079156
23	29	L2536262-06	WG2079156
24	30	L2536262-07	WG2079156
25	31	Check STD(5ug/L)	
26	32	Check Blank	
27	33	L2536262-08	WG2079156
28	34	L2536262-09	WG2079156
29	35	L2536262-10	WG2079156
30	36	L2536262-11	WG2079156
31	37	L2536262-12	WG2079156
32	38	WG2082033-1	WG2082033
33	39	WG2082033-2	WG2082033
34	40	L2536247-12	WG2082033
35	41	WG2082033-3	WG2082033
36	42	WG2082033-4	WG2082033
37	43	Check STD(5ug/L)	

38	44	Check Blank
39	45	L2536247-13 WG2082033
40	46	WG2082033-5 WG2082033
41	47	WG2082033-6 WG2082033
42	48	L2536247-01 WG2082033
43	49	L2536247-02 WG2082033
44	50	L2536247-03 WG2082033
45	51	L2536247-04 WG2082033
46	52	L2536247-05 WG2082033
47	53	L2536247-06 WG2082033
48	54	L2536247-07 WG2082033
49	55	Check STD(5ug/L)
50	56	Check Blank
51	57	L2536247-08 WG2082033
52	58	L2536247-09 WG2082033
53	59	L2536247-10 WG2082033
54	60	L2536247-11 WG2082033
55	61	L2536247-14 WG2082033
56	62	L2536247-15 WG2082033
57	63	L2536247-16 WG2082033
58	64	L2536247-17 WG2082033
59	65	L2536247-18 WG2082033
60	66	L2536247-20 WG2082033
61	67	Check STD(5ug/L)
62	68	Check Blank
63	69	WG2084193-1 WG2084193
64	70	WG2084193-2 WG2084193
65	71	L2537412-01 WG2084193
66	72	WG2084193-3 WG2084193
67	73	WG2084193-4 WG2084193
68	74	L2537339-11 WG2084193
69	75	L2538432-04 WG2084193
70	76	WG2083462-1 WG2083462
71	77	WG2083462-2 WG2083462
72	78	L2536109-03 WG2083462
73	79	Check STD(5ug/L)
74	80	Check Blank
75	1	WG2083462-3 WG2083462
76	2	WG2083462-4 WG2083462
77	3	L2536165-01 WG2083462
78	4	L2536176-01 WG2083462
79	5	L2536176-02 WG2083462
80	6	L2536349-02 WG2083462
81	7	WG2083891-1 WG2083891

82	8	WG2083891-2 WG2083891
83	9	L2537795-02 WG2083891
84	10	WG2083891-3 WG2083891
85	11	Check STD(5ug/L)
86	12	Check Blank
87	13	WG2083891-4 WG2083891
88	14	L2537795-03 WG2083891
89	15	L2537795-04 WG2083891
90	16	L2537795-05 WG2083891
91	17	L2537795-06 WG2083891
92	18	L2537795-07 WG2083891
93	19	L2537795-08 WG2083891
94	20	L2537795-09 WG2083891
95	21	L2537795-10 WG2083891
96	22	L2537795-11 WG2083891
97	23	Check STD(5ug/L)
98	24	Check Blank
99	25	L2537795-12 WG2083891
100	26	L2537795-13 WG2083891
101	27	L2537795-14 WG2083891
102	28	L2537795-15 WG2083891
103	29	L2537795-16 WG2083891
104	30	L2537795-17 WG2083891
105	31	L2536259-01 WG2082367
106	32	L2536434-01 WG2082367
107	33	L2536434-02 WG2082367
108	34	L2536434-03 WG2082367
109	35	Check STD(5ug/L)
110	36	Check Blank
111	37	L2536434-04 WG2082367
112	38	L2536434-05 WG2082367
113	39	L2536434-06 WG2082367
114	40	L2536434-07 WG2082367
115	41	L2536434-08 WG2082367
116	42	L2536434-09 WG2082367
117	43	WG2083492-1 WG2083492
118	44	WG2083492-2 WG2083492
119	45	L2536336-01 WG2083492
120	46	WG2083492-3 WG2083492
121	47	Check STD(5ug/L)
122	48	Check Blank
123	49	WG2083492-4 WG2083492
124	50	L2536336-02 WG2083492
125	51	WG2084363-1 WG2084363

126	52	WG2084363-2 WG2084363
127	53	L2538474-02 WG2084363
128	54	WG2084363-3 WG2084363
129	55	WG2084363-4 WG2084363
130	56	L2538474-01 WG2084363
131	57	L2538474-03 WG2084363
132	58	L2538474-04 WG2084363
133	59	Check STD(5ug/L)
134	60	Check Blank
135	61	L2538474-07 WG2084363
136	62	L2538474-08 WG2084363
137	63	WG2084331-1 WG2084331
138	64	WG2084331-2 WG2084331
139	65	L2536563-01 WG2084331
140	66	WG2084331-3 WG2084331
141	67	WG2084331-4 WG2084331
142	68	L2536559-01 WG2084331
143	69	L2536997-01 WG2084331
144	70	L2536999-01 WG2084331
145	71	Check STD(5ug/L)
146	72	Check Blank

METALS ELN REPORT

Workgroup: WG2082033

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24012902	H2SO4	24016430	METALS	METSPIKE	HG2524163020AJTV2	METSPIKE	HG2524163020AJTV2	344

Additional Reagent/Std	K2O8S2	PS2524171015ADG
	KMnO4	PP2524181252SAM
	NaCl-NH2OH.HCl	HH2524181340MJR
		ICV2524161130JDH

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2536247-01 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-02 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-03 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-04 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-05 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-06 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-07 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-08 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	

METALS ELN REPORT

Workgroup: WG2082033

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2536247-09 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-10 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-11 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-12 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-13 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-14 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-15 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-16 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-17 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-18 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
L2536247-20 SAMP	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
WG2082033-1 BLANK	06/22/25 19:34	Maisie Mcqueen	NA	25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	ELN:ajt

METALS ELN REPORT

Workgroup: WG2082033

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2082033-2 LCS	06/22/25 19:34	Maisie Mcqueen	NA	25	0.25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
WG2082033-3 MS	06/22/25 19:34	Maisie Mcqueen	NA	25	1.25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
WG2082033-4 MSD	06/22/25 19:34	Maisie Mcqueen	NA	25	1.25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
WG2082033-5 MS	06/22/25 19:34	Maisie Mcqueen	NA	25	1.25	06/22/25 19:34	5	94.4	06/22/25 21:34	25	
WG2082033-6 DUP	06/22/25 19:34	Maisie Mcqueen	NA	25		06/22/25 19:34	5	94.4	06/22/25 21:34	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganat	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Reported: 29-JUN-25 07:35 AM

METALS ELN REPORT

Workgroup: WG2082284

Digestion

Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24012902	H2SO4	24016430	METALS	METSPIKE	HG25241630 20AJTV2	METSPIKE	HG25241630320, 344 20AJTV2	

Additional Reagent/Std	K2O8S2	PS2524171015ADG
	KMnO4	PP2524211444SAM
	NaCl-NH2OH.HCl	HH2524201427MJR
		ICV2524161130JDH

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2536229-01 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-01 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-02 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-03 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-04 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-05 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-06 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-07 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	

METALS ELN REPORT

Workgroup: WG2082284

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2536247-08 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-09 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-10 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-11 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-12 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-13 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-14 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-15 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-16 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-17 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-18 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
L2536247-20 SAMP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	

METALS ELN REPORT

Workgroup: WG2082284

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2082284-1 BLANK	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
WG2082284-2 LCS	06/23/25 13:42	Alexander Gonatas	25	0.25	06/23/25 13:42	8	96.0	06/23/25 15:42	25	ELN: JDH
WG2082284-3 MS	06/23/25 13:42	Alexander Gonatas	25	1.25	06/23/25 13:42	8	96.0	06/23/25 15:42	25	
WG2082284-4 DUP	06/23/25 13:42	Alexander Gonatas	25		06/23/25 13:42	8	96.0	06/23/25 15:42	25	
WG2082284-5 MS	06/23/25 13:42	Alexander Gonatas	25	1.25	06/23/25 13:42	8	96.0	06/23/25 15:42	25	
WG2082284-6 MSD	06/23/25 13:42	Alexander Gonatas	25	1.25	06/23/25 13:42	8	96.0	06/23/25 15:42	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganat	3.75	ml
Potassium Persulfate (K	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Reported: 29-JUN-25 07:35 AM

ATTACHMENT G

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
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BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO • SYRACUSE

Wet Chemistry

Total Nitrogen Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.69	0.30	0.30	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-02	**Date Collected**	:	06/10/25 12:50
Client ID	:	MW-06B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	07/07/25 12:14
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2087561.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	1.5	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.92	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.48	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	1.6	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	2.7	0.30	0.30	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-07	**Date Collected**	:	06/10/25 09:10
Client ID	:	MW-09A	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	07/07/25 12:14
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	107,-	**Analyst**	:	JRO
Lab File ID	:	WG2087561.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	4.9	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.52	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	3.0	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.66	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.85	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	2.3	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.59	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.47	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.57	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.92	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.58	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.56	0.30	0.30	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/07/25 12:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 107,-	**Analyst**	: JRO
Lab File ID	: WG2087561.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Total Nitrogen	0.90	0.30	0.30	

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: **Total Nitrogen**

Method: ***Calculation from TKN & NO3/NO2***

Product: **TNITROGEN**
Analyte: **Total Nitrogen,**
Analysis Date: 7/7/2025 12:14
Technician: JRO
Work group: WG2087561
RL: **0.3 mg/L**

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
	L2536217-02	1.67	0.24	1.0	1.91
SAMP	L2536247-01	0.437	0.25	1.0	0.687
SAMP	L2536247-02	0.181	1.5	1.0	1.5
SAMP	L2536247-03	0.61	0.31	1.0	0.92
SAMP	L2536247-04	0.267	0.48	1.0	0.48
SAMP	L2536247-05	0.083	1.6	1.0	1.6
SAMP	L2536247-06	0.412	2.3	1.0	2.712
SAMP	L2536247-07	0.0871	4.9	1.0	4.9
SAMP	L2536247-08	0.524	0	1.0	0.524
SAMP	L2536247-09	0.125	3	1.0	3
SAMP	L2536247-10	0.467	0.19	1.0	0.657
SAMP	L2536247-11	0.341	0.51	1.0	0.851
SAMP	L2536247-12	0.0883	2.3	1.0	2.3
SAMP	L2536247-13	0.413	0.18	1.0	0.593
SAMP	L2536247-14	0.329	0.14	1.0	0.469
SAMP	L2536247-15	0.566	0.056	1.0	0.566
SAMP	L2536247-16	0.432	0.49	1.0	0.922
SAMP	L2536247-17	0.33	0.25	1.0	0.58
SAMP	L2536247-18	0.359	0.2	1.0	0.559
SAMP	L2536247-20	0.42	0.48	1.0	0.9

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and N03/NO2-N.

Aqueous samples:

mgTN-N/L = TKN-N(mg/l) + NO3/NO2-N (mg/l)

Soil samples:

mgTN-N/Kg = TKN-N(mg/Kg) + NO3/NO2-N(mg/Kg)

Total Kjeldahl Nitrogen Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.437	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.181	0.300	0.066	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.610	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.267	0.300	0.066	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.083	0.300	0.066	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:15
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.412	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.087	0.300	0.066	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 21:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.524	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 19:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.125	0.300	0.066	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 19:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.467	0.300	0.066	

Form 1
WETCHEM

Client	:	P. W. Grosser	Lab Number	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	Project Number	:	BSD1504
Lab ID	:	L2536247-11	Date Collected	:	06/09/25 14:20
Client ID	:	MW-08B	Date Received	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	:	07/04/25 19:53
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NH3-H	Analyst	:	AT
Lab File ID	:	NH320250704-C	Instrument ID	:	LACHAT
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	07/03/25

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Total Kjeldahl	0.341	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 19:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.088	0.300	0.066	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 19:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.413	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 20:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.329	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 20:01
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.566	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 20:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.432	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 20:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.330	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 20:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.359	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 07/04/25 20:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.420	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2086828-1	**Date Collected**	: NA
Client ID	: WG2086828-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/04/25 19:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.209	0.300	0.022	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2086828-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 07/04/25 19:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-C	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/03/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.323	0.300	0.066	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2086977-1	**Date Collected**	: NA
Client ID	: WG2086977-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 07/04/25 20:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.206	0.300	0.022	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2086977-3	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09BDUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 07/04/25 21:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NH3-H	**Analyst**	: AT
Lab File ID	: NH320250704-E	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 07/04/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Total Kjeldahl	0.653	0.300	0.066	

Sample Raw Data

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_05-16-49PM.OMN Created: 7/4/2025 5:16:49 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_05-16-49PM.OMN Last Modified: 7/4/2025 6:07:07 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

A

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	
STD 1	1	S1	10.000				
STD 2	1	S2	8.0000				
STD 3	1	S3	4.0000				
STD 4	1	S4	2.0000				
STD 5	1	S5	1.0000				
STD 6	1	S6	0.40000				
STD 7	1	S7	0.20000				
STD 8	1	S8	0.10000				
STD 9	1	S9	0.050000				
STD 10	1	S10	0.0000				
CCV L 0.4000	1	S6	0.37380	94%			
	Known Conc:		0.40000				
	Calibration:		Table/Fig. : 1				
CCV H 4.0000	1	S3	4.0515	101%			
	Known Conc:		4.0000				
CCB	1	S10	0.019356 ✓				
	Known Conc:		0.0000				
HI ICV 8.0	1	1	8.0782	101%			
LO ICV 1.0	1	2	0.99801	100%			
ICB	1	3	0.0096381				
WG2086826-1; BLK 7/3	1	4	0.011979		1.50		100%
WG2086826-2; HI LCS; 5X	1	5	19.971		7.50		
LO LCS	1	6	1.9023		1.50		95%
L2536401-01	1	7	0.75498		1.50		
L2536401-02	1	8	0.086174 ✓		1.50		104%
WG2086826-4; 36401.2 MS	1	9	4.2483		1.50		
WG2086826-3; 36401.2 DUP	1	10	0.13079 ✓		1.50		41% (25+RL)
CCV L 0.4000	1	S6	0.37433	94%			
	Known Conc:		0.40000				
CCV H 4.0000	1	S3	4.0026	100%			
	Known Conc:		4.0000				
CCB	1	S10	0.017920 ✓				
	Known Conc:		0.0000				
L2536498-01	1	11	6.8226		15.00		
L2535548-01	1	12	298.76		30.00		
L2536066-01	1	13	28.778		3.00		
L2536066-02	1	14	1.0299		1.50		
L2536077-01	1	15	9.1248		7.50		
L2536077-02	1	16	0.79701		1.50		
L2536177-01	1	17	36.065		7.50		
L2536198-01	1	18	3.0442		1.50		
L2536132-01	1	19	0.16061		1.50		
L2536100-01	1	20	1.0137		1.50		
CCV L 0.4000	1	S6	0.38658	97%			
	Known Conc:		0.40000				
CCV H 4.0000	1	S3	4.0192	101%			
	Known Conc:		4.0000				
CCB	1	S10	0.019928 ✓				
	Known Conc:		0.0000				
L2536205-01	1	21	13.512		7.50		
L2536205-02	1	22	2.6000		1.50		
L2536212-01	1	23	0.24216		1.50		
L2536239-02	1	24	1.9818		7.50		
L2536394-01	1	25	0.076584		1.50		
L2536462-01	1	26	0.69562		1.50		
L2536494-02	1	27	0.072718		1.50		
L2536206-01	1	28	0.50601		1.50		
CCV L 0.4000	1	S6	0.37280	93%			
	Known Conc:		0.40000				

Author: a1wetcheminstrument

Date : 7/4/2025

CCV H 4.0000	1	S3	4.0177			
	Known Conc:		4.0000			
CCB	1	S10	0.015144			
	Known Conc:		0.0000			

Channel 1 (Ammonia Low) - Current View

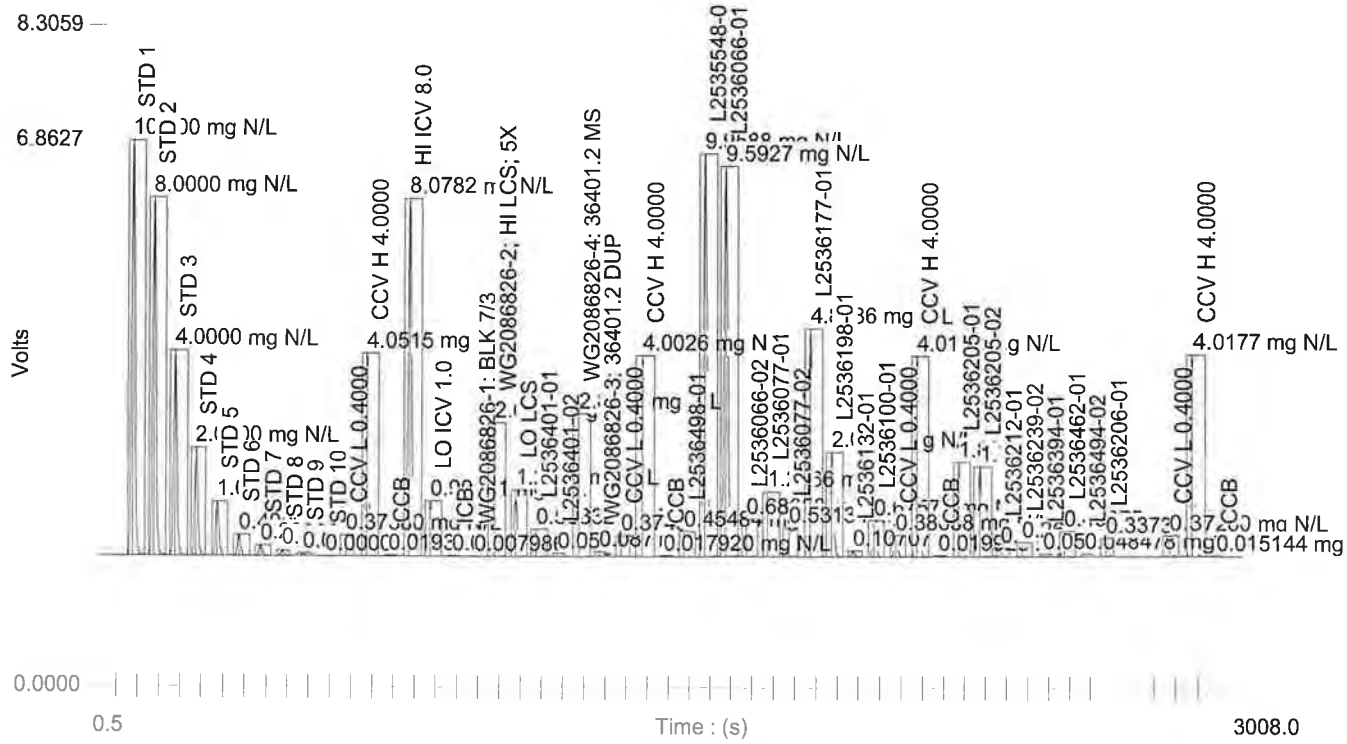


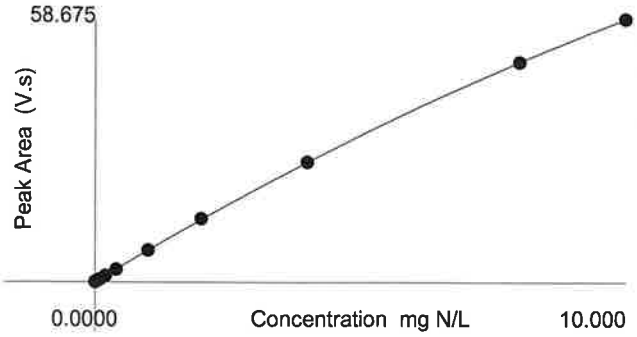
Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Author: a1wetcheminstrument

Date : 7/4/2025

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_06-08-41PM.OMN Created: 7/4/2025 6:08:41 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_06-08-41PM.OMN Last Modified: 7/4/2025 6:51:28 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

13

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight	
CCV L 0.4000	1	S6	0.37342	93%			
	Known Conc:		0.40000				
	Calibration:		Table/Fig. : 1				
CCV H 4.0000	1	S3	3.9958	100%			
	Known Conc:		4.0000				
CCB	1	S10	0.014953	✓			
	Known Conc:		0.0000				
WG2086822-1; BLK 7/3	1	1	0.012196		1.50		
WG2086822-2; HI LCS; 5X	1	2	20.163		7.50	101%	
LO LCS	1	3	1.9583		1.50	98%	
L2536266-01	1	4	1.0761		15.00		
L2536266-02	1	5	0.48566		7.50		
L2536266-03	1	6	1.4615		15.00		
L2536266-04	1	7	0.029804		1.50		
L2536266-05	1	8	0.058991		1.50		
L2536585-01	1	9	3.2187		1.50		
L2536585-02	1	10	4.1493		1.50		
CCV L 0.4000	1	S6	0.41111	103%			
	Known Conc:		0.40000				
CCV H 4.0000	1	S3	4.0235	101%			
	Known Conc:		4.0000				
CCB	1	S10	0.020736	✓			
	Known Conc:		0.0000				
L2536038-01	1	11	15.240		7.50		
L2536038-02	1	12	0.10733		1.50		
L2536497-01	1	~~13~~	~~36.868~~		1.50		w/ dilution.
L2536580-01	1	~~14~~	~~502.52~~		150.00		
L2536580-02	1	~~15~~	~~0.21863~~		1.50		
L2536582-01	1	16	5.6691		7.50		
L2536582-02	1	17	3.7798		1.50		
L2536418-01	1	18	0.18344	✓	1.50		
WG2086822-4; 36418.1 MS	1	19	4.5267		1.50	109%	
WG2086822-3; 36418.1 DUP	1	20	0.14665	✓	1.50	22% (<5xRL)	
CCV L 0.4000	1	S6	0.38112	95%			
	Known Conc:		0.40000				
CCV H 4.0000	1	S3	3.9979	100%			
	Known Conc:		4.0000				
CCB	1	S10	0.022844	✓			
	Known Conc:		0.0000				
L2536418-02	1	21	0.33365		1.50		
L2536418-03	1	22	0.27692		1.50		
L2536418-04	1	23	0.28450		1.50		
L2536620-01	1	24	0.065804		1.50		
L2536620-02	1	25	0.032838	✓	1.50	115%	
WG2086822-6; 36620.2 MS	1	26	4.5888		1.50		
WG2086822-5; 36620.2 DUP	1	27	0.096349	✓	1.50	NC (<5xRL)	
L2536497-01; 25X	1	28	57.238		37.50		
L2536580-01	1	29	448.57		150.00		
L2536580-02	1	30	0.15866		1.50		
CCV L 0.4000	1	S6	0.37388	94%			
	Known Conc:		0.40000				
CCV H 4.0000	1	S3	3.9780	100%			
	Known Conc:		4.0000				
CCB	1	S10	0.019497	✓			
	Known Conc:		0.0000				

Author: a1wetcheminstrument

Date : 7/4/2025

Channel 1 (Ammonia Low) - Current View

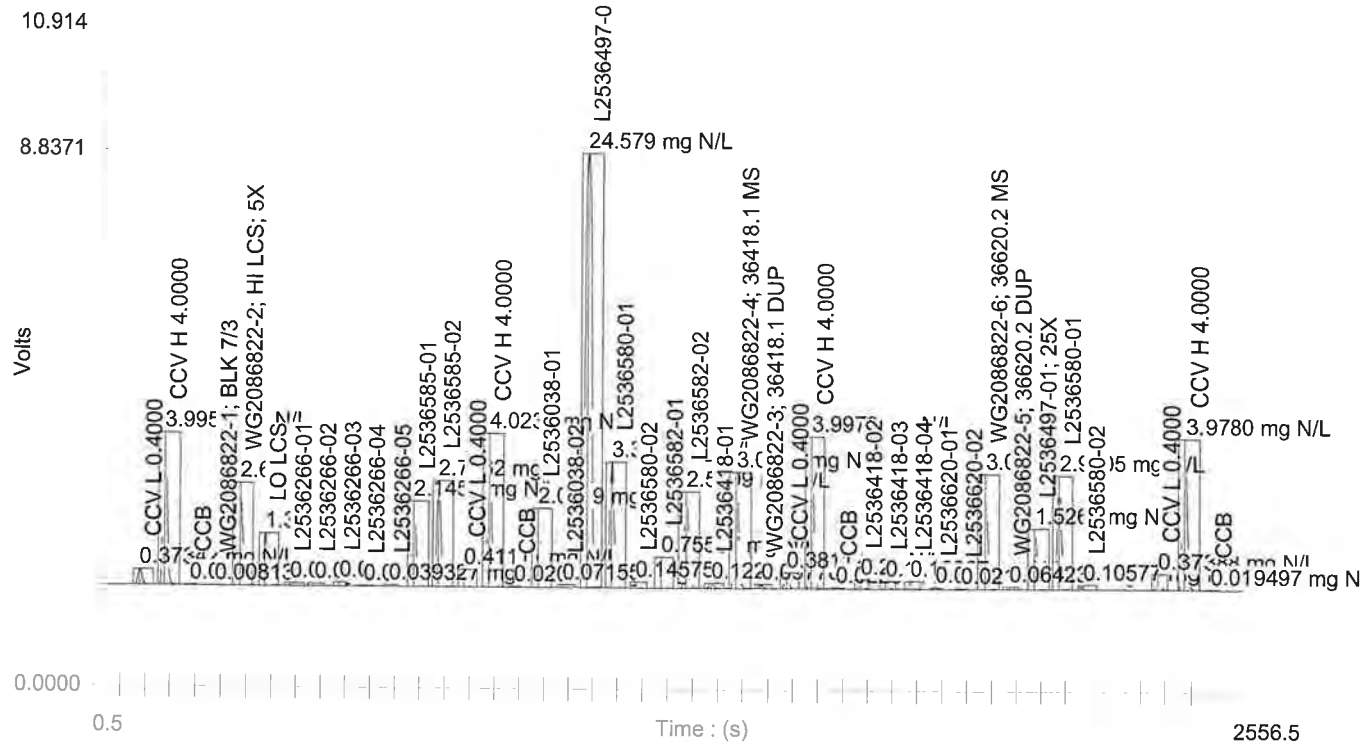
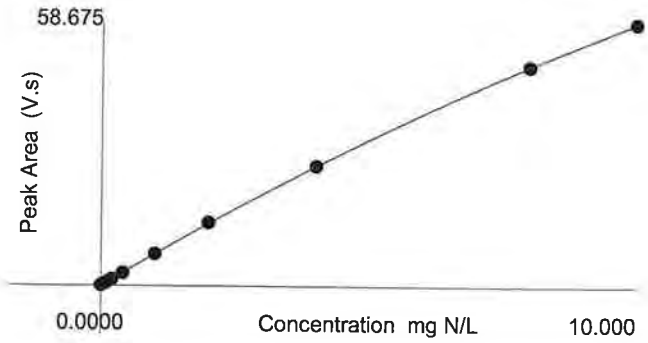


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_07-41-25PM.OMN Created: 7/4/2025 7:41:25 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_07-41-25PM.OMN Last Modified: 7/4/2025 8:16:49 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.36327	91%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9882	100%		
	Known Conc:		4.0000			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	0.014677			
	Known Conc:		0.0000			
WG2086828-1 T; BLK 7/3	1	1	0.069659			
WG2086828-2 T; HI LCS; 5X	1	2	37.462		15.00	
LO LCS T	1	3	3.9992		3.00	
L2535548-01 T	1	4	~~343.10~~		30.00	
L2536265-01 T	1	5	~~3.4947~~		3.00	
L2536265-02 T	1	6	4.6881		3.00	
L2536265-03 T	1	7	1.5482		3.00	
L2536247-09 T	1	8	0.12474		3.00	
L2536247-10 T	1	9	0.46697		3.00	
L2536247-11 T	1	10	0.34103		3.00	
CCV L 0.4000	1	S6	0.37618	94%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9652	99%		
	Known Conc:		4.0000			
CCB	1	S10	0.019787			
	Known Conc:		0.0000			
L2536247-12 T	1	11	0.088294		3.00	
WG2086828-4 T; 36247.12 MS	1	12	8.6891		3.00	
WG2086828-3 T; 36247.12 DUP	1	13	0.32270		3.00	
L2536247-13 T	1	14	0.41299		3.00	
L2536247-14 T	1	15	0.32910		3.00	
L2536247-15 T	1	16	0.56574		3.00	
L2536247-16 T	1	17	0.43193		3.00	
L2536247-17 T	1	18	0.32981		3.00	
L2536247-18 T	1	19	0.35895		3.00	
L2536247-20 T	1	20	0.42033		3.00	
CCV L 0.4000	1	S6	0.36973	93%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9592	99%		
	Known Conc:		4.0000			
CCB	1	S10	0.019493			
	Known Conc:		0.0000			
L2535548-01 T; 10X	1	21	298.48		300.00	
L2536265-01 T	1	22	2.9395		3.00	
CCV L 0.4000	1	S6	0.37578	94%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9667	99%		
	Known Conc:		4.0000			
CCB	1	S10	0.018578			
	Known Conc:		0.0000			

(C)

94%
100%
wld. Dilute.

109%
MC (<CT+KL)

Author: a1wetcheminstrument

Date : 7/4/2025

Channel 1 (Ammonia Low) - Current View

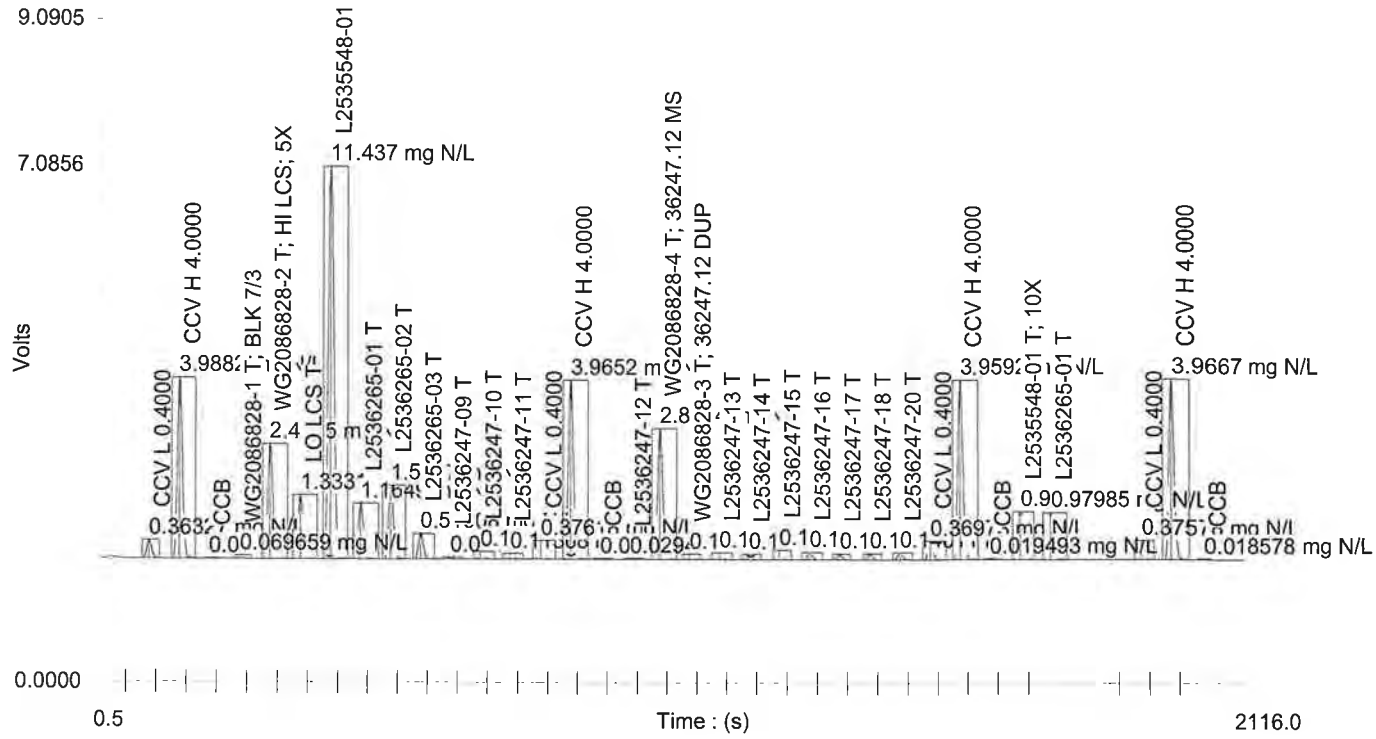
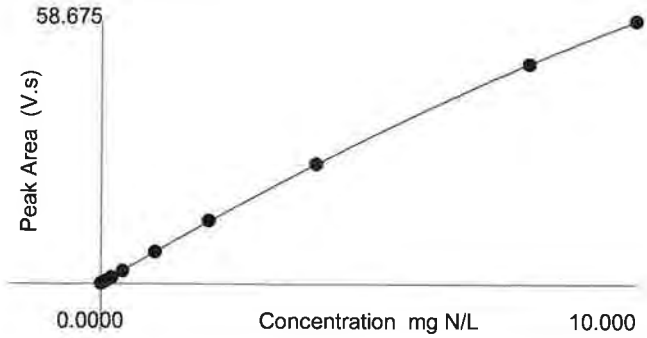


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_08-19-01PM.OMN Created: 7/4/2025 8:19:01 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_08-19-01PM.OMN Last Modified: 7/4/2025 8:34:09 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

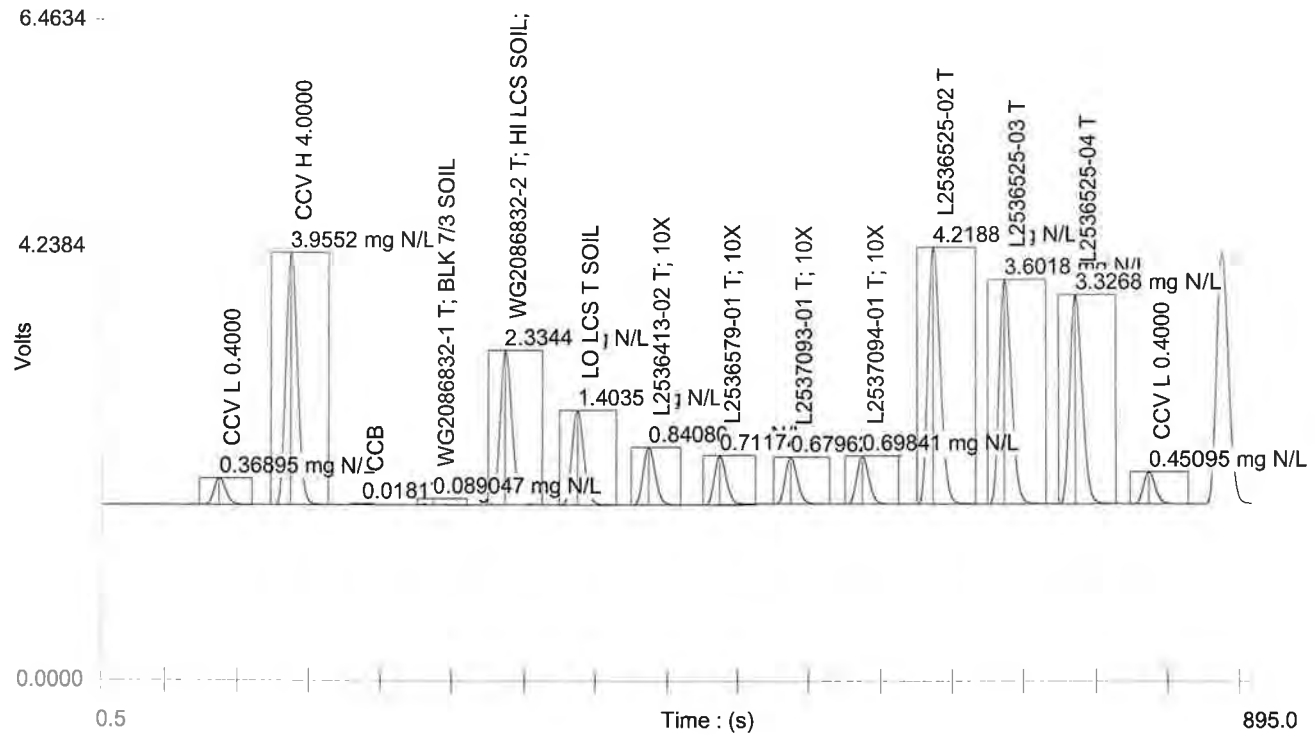
Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.36895	92%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9552	99%		
	Known Conc:		4.0000			
CCB	1	S10	0.018174			
	Known Conc:		0.0000			
WG2086832-1 T; BLK 7/3 SOIL	1	1	0.089047		1.00	1.00000 g
WG2086832-2 T; HI LCS SOIL; 5X	1	2	15787		750.00	0.11090 g
LO LCS T SOIL	1	3	1821.2		150.00	0.11560 g
	Calibration:		Table/Fig. : 1			
L2536413-02 T; 10X	1	4	11932		1500.00	0.10570 g
L2536579-01 T; 10X	1	5	9776.6		1500.00	0.10920 g
L2537093-01 T; 10X	1	6	9727.3		1500.00	0.10480 g
L2537094-01 T; 10X	1	7	10122		1500.00	0.10350 g
L2536525-02 T	1	8	5981.3		150.00	0.10580 g
L2536525-03 T	1	9	5963.3		150.00	0.09060 g
L2536525-04 T	1	10	5508.0		150.00	0.09060 g
CCV L 0.4000	1	S6	0.45095			
	Known Conc:		0.40000			

88%
105%

ws-18034 mg/kg
lo ws-.1730 g/kg

reject - OK

Channel 1 (Ammonia Low) - Current View



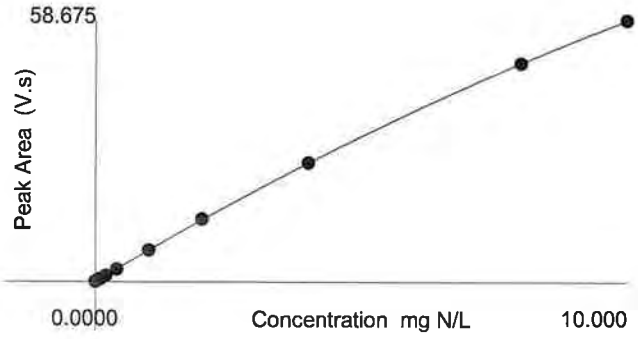
Author: a1wetcheminstrument

Date : 7/4/2025

Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_08-35-27PM.OMN Created: 7/4/2025 8:35:27 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_08-35-27PM.OMN Last Modified: 7/4/2025 8:54:06 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

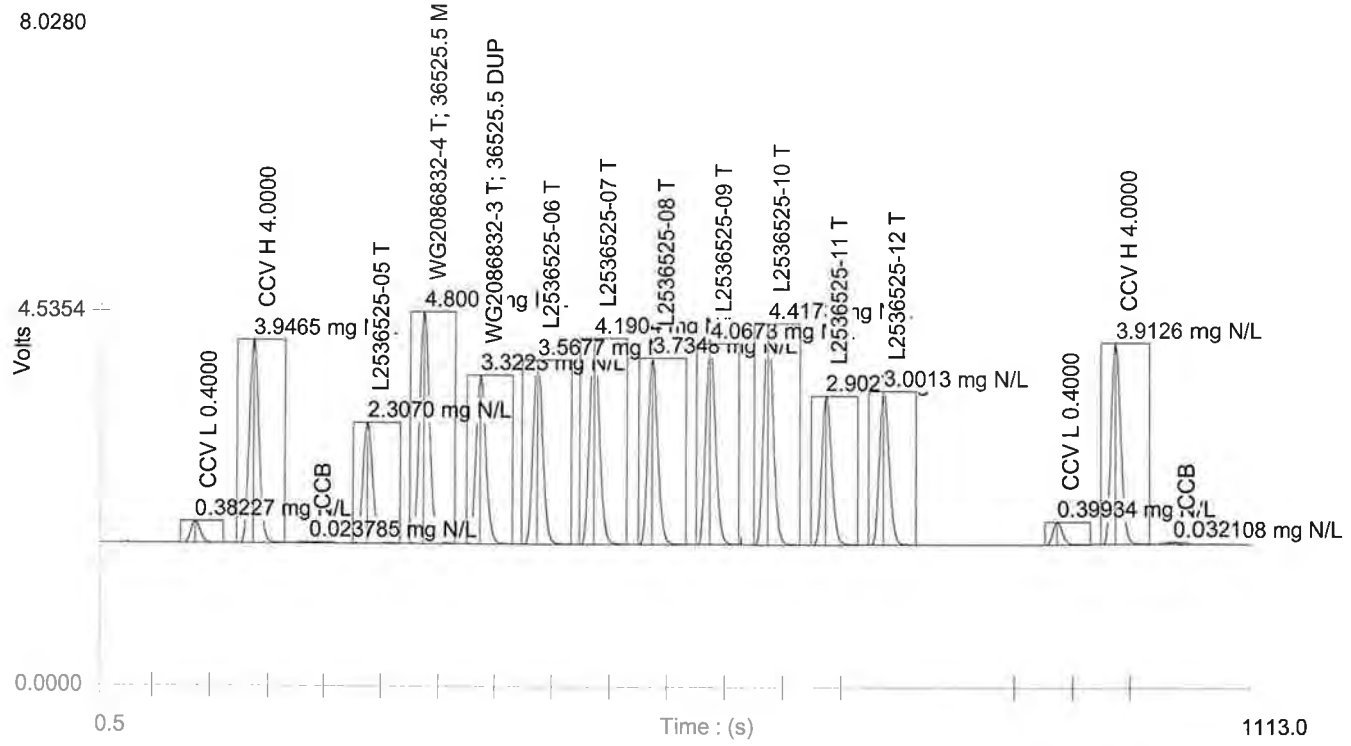
D2

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.38227	96%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9465	99%		
	Known Conc:		4.0000			
CCB	1	S10	0.023785	✓		
	Known Conc:		0.0000			
L2536525-05 T	1	11	3840.8	✓	150.00	0.09010 g
WG2086832-4 T; 36525.5 MS	1	12	7221.8		150.00	0.09970 g
WG2086832-3 T; 36525.5 DUP	1	13	5267.9	✓	150.00	0.09460 g
	Calibration:		Table/Fig. : 1			
L2536525-06 T	1	14	4955.1		150.00	0.10800 g
L2536525-07 T	1	15	6602.5		150.00	0.09520 g
L2536525-08 T	1	16	5245.5		150.00	0.10680 g
L2536525-09 T	1	17	6361.8		150.00	0.09590 g
L2536525-10 T	1	18	6470.6		150.00	0.10240 g
L2536525-11 T	1	19	4178.6		150.00	0.10420 g
L2536525-12 T	1	20	4714.1		150.00	0.09550 g
CCV L 0.4000	1	S6	0.39934	100%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.9126	98%		
	Known Conc:		4.0000			
CCB	1	S10	0.032108	✓		
	Known Conc:		0.0000			

84%
31%

NO3-4012 mg/kg

Channel 1 (Ammonia Low) - Current View



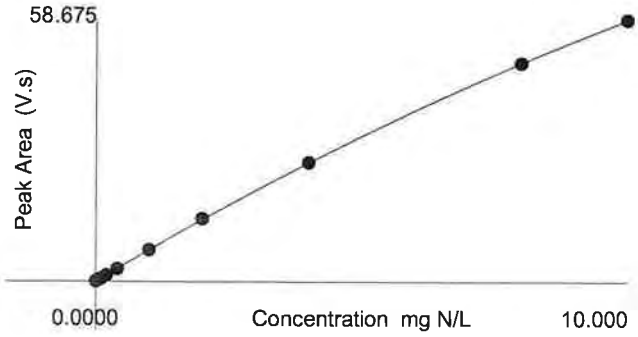
Author: a1wetcheminstrument

Date : 7/4/2025

Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_08-55-50PM.OMN Created: 7/4/2025 8:55:50 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_08-55-50PM.OMN Last Modified: 7/4/2025 9:25:40 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

E

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.37884	95%		
	Known Conc:		0.40000			
	Calibration:		Table/Fig. : 1			
CCV H 4.0000	1	S3	3.9108	98%		
	Known Conc:		4.0000			
CCB	1	S10	0.024635 ✓			
	Known Conc:		0.0000			
WG2086977-1 T; BL;K 7/4	1	1	0.068537			
WG2086977-2 T; HI LCS; 5X	1	2	37.541		15.00	94%
LO LCS T	1	3	3.9194		3.00	98%
L2536217-02 T	1	4	1.6674		3.00	
L2536266-01 T	1	5	3.4963		15.00	
L2536266-02 T	1	6	4.2000		15.00	
L2536266-03 T	1	7	1.1162		3.00	
L2536266-04 T	1	8	10.930		30.00	
L2536266-05 T	1	9	1.4432		3.00	
L2536247-01 T	1	10	0.43671		3.00	
CCV L 0.4000	1	S6	0.37666	94%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.8986	98%		
	Known Conc:		4.0000			
CCB	1	S10	0.026835 ✓			
	Known Conc:		0.0000 ✓			
L2536247-02 T	1	11	0.18063		3.00	
L2536247-03 T	1	12	0.60973		3.00	
L2536247-04 T	1	13	0.26661		3.00	
L2536247-05 T	1	14	0.083011		3.00	
L2536247-06 T	1	15	0.41151		3.00	
L2536247-07 T	1	16	0.087123		3.00	
L2536247-08 T	1	17	0.52385 ✓		3.00	
WG2086977-4 T; 36247.8 MS	1	18	9.0806		3.00	107%
WG2086977-3 T; 36247.8 DUP	1	19	0.65278	92%	3.00	22% (6 (+RL)
CCV L 0.4000	1	S6	0.36722			
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.8792	97%		
	Known Conc:		4.0000			
CCB	1	S10	0.037911			
	Known Conc:		0.0000			

Author: a1wetcheminstrument

Date : 7/4/2025

Channel 1 (Ammonia Low) - Current View

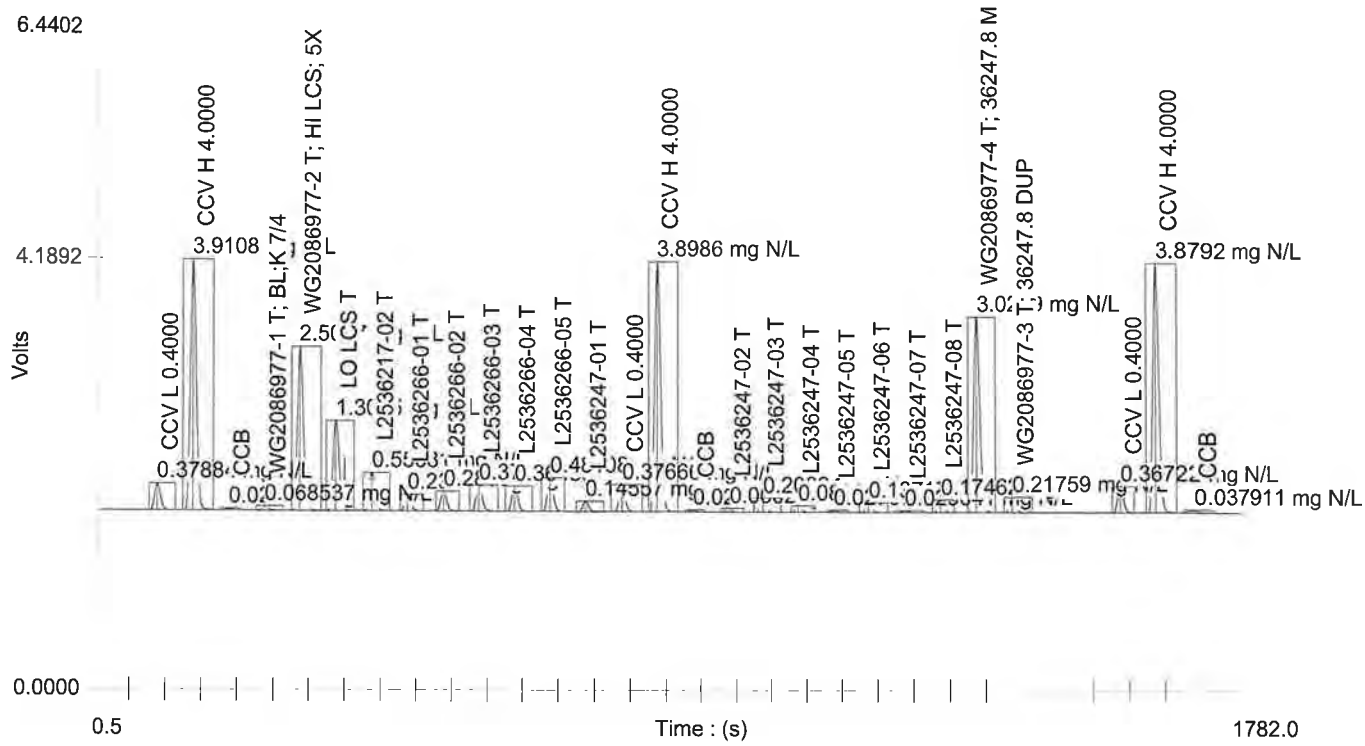
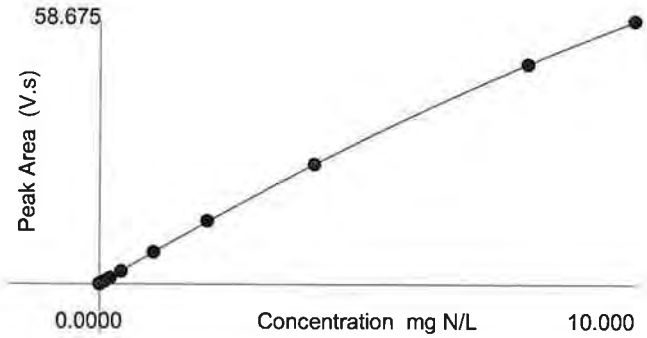


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_10-39-36PM.OMN Created: 7/4/2025 10:39:36 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_10-39-36PM.OMN Last Modified: 7/4/2025 11:19:38 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

F

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.36599	92%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.8233	96%		
	Known Conc:		4.0000			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	0.021366	✓		
	Known Conc:		0.0000			
WG2087019-1; BLK 7/4	1	1	0.0073684		1.50	99%
WG2087019-2; HI LCS; 5X	1	2	19.363		7.50	95%
LO LCS	1	3	1.8861		1.50	
L2536560-01	1	4	21.334		3.00	
L2536560-02	1	~~5~~	~~22.095~~		1.50	w/dilution.
L2536610-02	1	6	~~1.1958~~		1.50	
WG2087019-4; 36610.2 MS	1	7	5.1041		1.50	106%
WG2087019-3; 36610.2 DUP	1	8	0.87638	✓	1.50	3%
L2537648-01	1	9	0.083120		1.50	
L2537648-04	1	10	0.12938		1.50	
CCV L 0.4000	1	S6	0.38156	96%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.8059	95%		
	Known Conc:		4.0000			
CCB	1	S10	0.029843	✓		
	Known Conc:		0.0000			
L2537648-07	1	11	0.093296		1.50	
L2537648-10	1	12	0.042322		1.50	
L2537648-13	1	13	0.037361		1.50	
L2537648-16	1	14	0.084360		1.50	
L2537648-19	1	15	0.079809		1.50	
L2537648-22	1	16	0.069135		1.50	
L2537667-02	1	17	0.21922		1.50	
L2537667-04	1	18	0.055544		1.50	
L2537667-06	1	19	0.11941		1.50	
L2537667-08	1	20	0.055651		1.50	
CCV L 0.4000	1	S6	0.37446	94%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.7926	95%		
	Known Conc:		4.0000			
CCB	1	S10	0.026617	✓		
	Known Conc:		0.0000			
L2537667-10	1	21	0.047641		1.50	
L2537667-12	1	22	0.023254		1.50	
L2537667-14	1	23	0.098063		1.50	
L2537667-16	1	24	0.083056		1.50	
L2537667-18	1	25	0.026979		1.50	
L2536560-02; 10X	1	26	24.016		15.00	
L2536610-02	1	27	0.84673	✓	1.50	
CCV L 0.4000	1	S6	0.37665	94%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.8007	95%		
	Known Conc:		4.0000			
CCB	1	S10	0.027025	✓		
	Known Conc:		0.0000			

Author: a1wetcheminstrument

Date : 7/4/2025

Channel 1 (Ammonia Low) - Current View

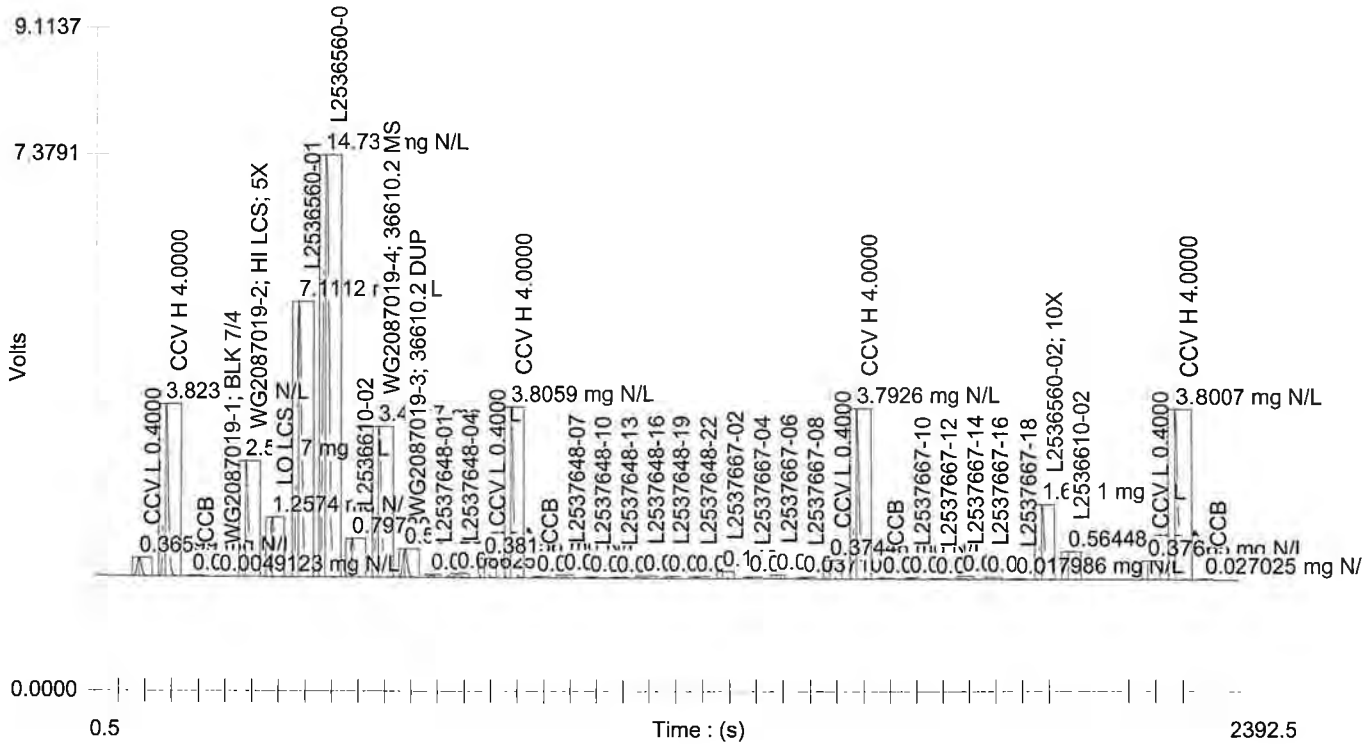
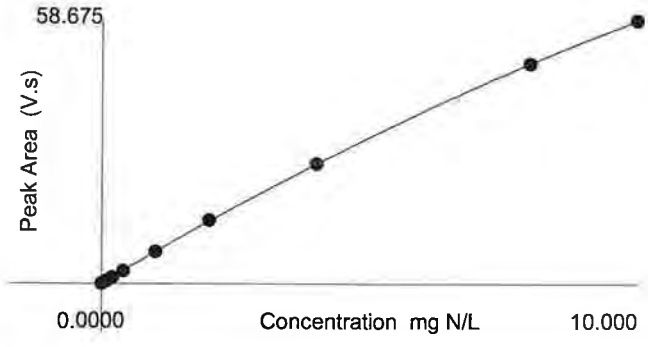


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/4/2025

Original Run Filename: OM_7-4-2025_11-20-59PM.OMN Created: 7/4/2025 11:20:59 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_11-20-59PM.OMN Last Modified: 7/4/2025 11:51:45 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.37252	93%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.7851	95%		
	Known Conc:		4.0000			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	0.029191	✓		
	Known Conc:		0.0000			
WG2087021-1; BLK 7/4	1	1	0.013834		1.50	
WG2087021-2; HI LCS; 5X	1	2	18.584		7.50	93%
LO LCS	1	3	1.8866		1.50	95%
L2536499-01	1	~~4~~	~~492.23~~		30.00	
L2536499-02	1	~~5~~	~~382.74~~		15.00	
L2537671-01	1	~~6~~	~~284.97~~		15.00	
L2537671-02	1	~~7~~	~~201.19~~		7.50	
L2536608-01	1	~~8~~	~~5.9860~~		3.00	
L2536608-02	1	~~9~~	~~0.43971~~		1.50	
L2536636-01	1	10	0.39264		1.50	
CCV L 0.4000	1	S6	0.40828	102%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.7965	95%		
	Known Conc:		4.0000			
CCB	1	S10	0.049305	✓		
	Known Conc:		0.0000			
L2536610-03; 10X	1	11	115.63		15.00	
WG2087021-4; 36610.3 MS; 10X	1	12	68.379		15.00	
WG2087021-3; 36610.3 DUP; 10X	1	13	61.537		15.00	
L2536641-01	1	14	0.26736		1.50	
L2536499-01; 10X	1	15	573.70		300.00	
L2536499-02; 10X	1	16	452.03		150.00	
L2537671-01; 10X	1	17	388.73		150.00	
L2537671-02; 25X	1	18	473.01		187.50	
L2536608-01	1	19	4.5325		3.00	
L2536608-02	1	20	0.31812		1.50	
CCV L 0.4000	1	S6	0.38278	96%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.7535	94%		
	Known Conc:		4.0000			
CCB	1	S10	0.014928	✓		
	Known Conc:		0.0000			

Author: a1wetcheminstrument

Date : 7/4/2025

Channel 1 (Ammonia Low) - Current View

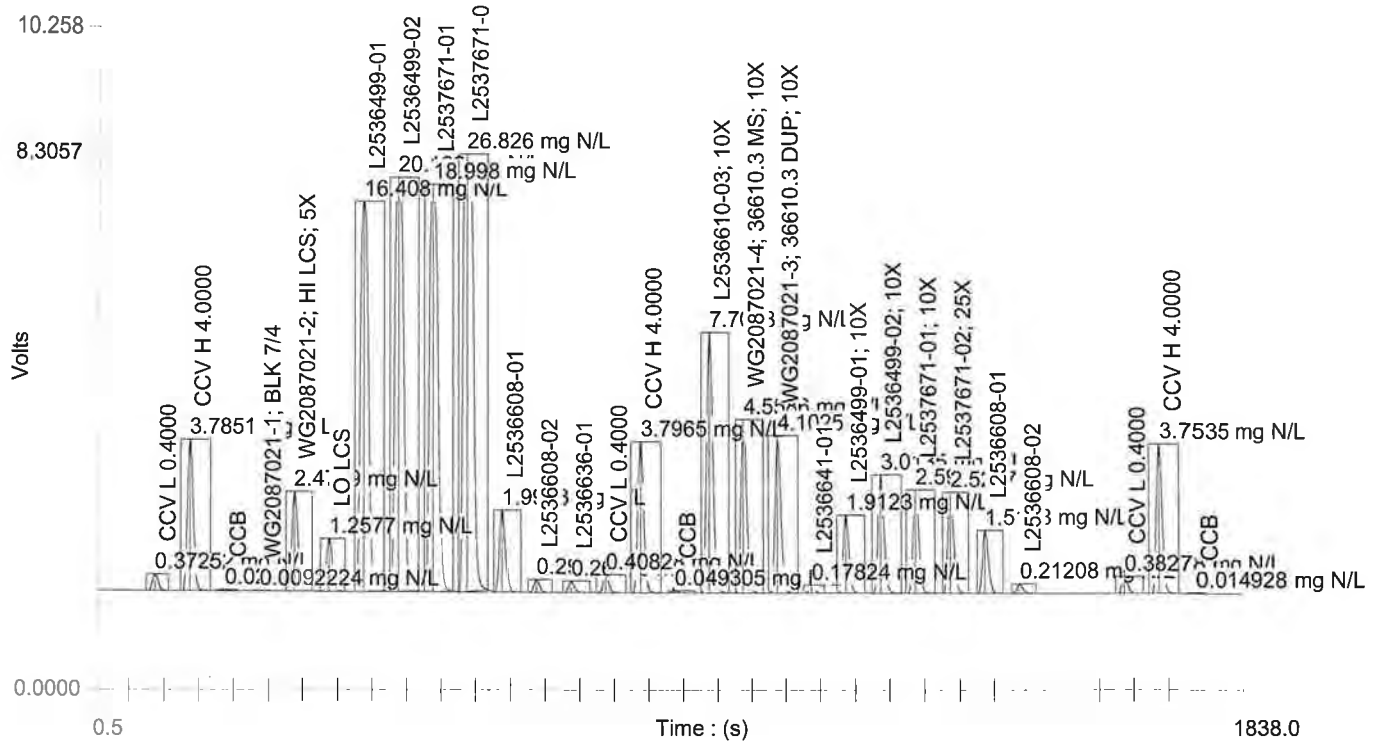
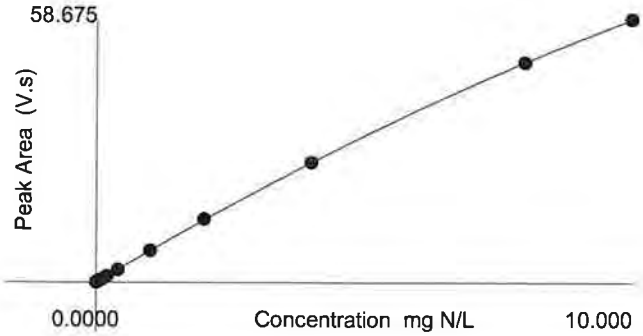


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Author: a1wetcheminstrument

Date : 7/5/2025

Original Run Filename: OM_7-4-2025_11-52-59PM.OMN Created: 7/4/2025 11:52:59 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_7-4-2025_11-52-59PM.OMN Last Modified: 7/5/2025 12:20:57 AM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 LOW NH3 (mg N/L)	ADF	MDF	Weight
CCV L 0.4000	1	S6	0.37573	94%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.7302	93%		
	Known Conc:		4.0000			
	Calibration:		Table/Fig. : 1			
CCB	1	S10	0.019142			
	Known Conc:		0.0000			
WG2087022-1; BLK 7/4	1	1	0.016932		1.50	
WG2087022-2; HI LCS; 5X	1	2	20.525		7.50	103%
LO LCS	1	3	1.9327		1.50	97%
L2536820-01	1	4	0.080780		1.50	
L2537070-01	1	5	0.039260		1.50	104%
WG2087022-4; 37070.1 MS	1	6	4.1729		1.50	NC (<4xLL)
WG2087022-3; 37070.1 DUP	1	7	0.11404		1.50	
L2537070-02	1	8	~~19.122~~		~~1.50~~	dilution.
L2537322-01	1	9	~~0.33390~~		~~1.50~~	
L2537322-02	1	10	0.14560		1.50	
CCV L 0.4000	1	S6	0.38321	96%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.7006	93%		
	Known Conc:		4.0000			
CCB	1	S10	0.014322			
	Known Conc:		0.0000			
L2537070-03	1	11	0.097819		1.50	
L2537070-04	1	12	4.9239		1.50	
L2537070-05	1	13	0.14606		1.50	
L2537070-06	1	14	2.4241		1.50	
L2537070-07	1	15	0.083539		1.50	
L2537070-02; 10X	1	16	20.650		15.00	
L2537322-01	1	17	0.13092		1.50	
CCV L 0.4000	1	S6	0.37144	93%		
	Known Conc:		0.40000			
CCV H 4.0000	1	S3	3.6813	92%		
	Known Conc:		4.0000			
CCB	1	S10	0.013410			
	Known Conc:		0.0000			

Author: a1wetcheminstrument

Date : 7/5/2025

Channel 1 (Ammonia Low) - Current View

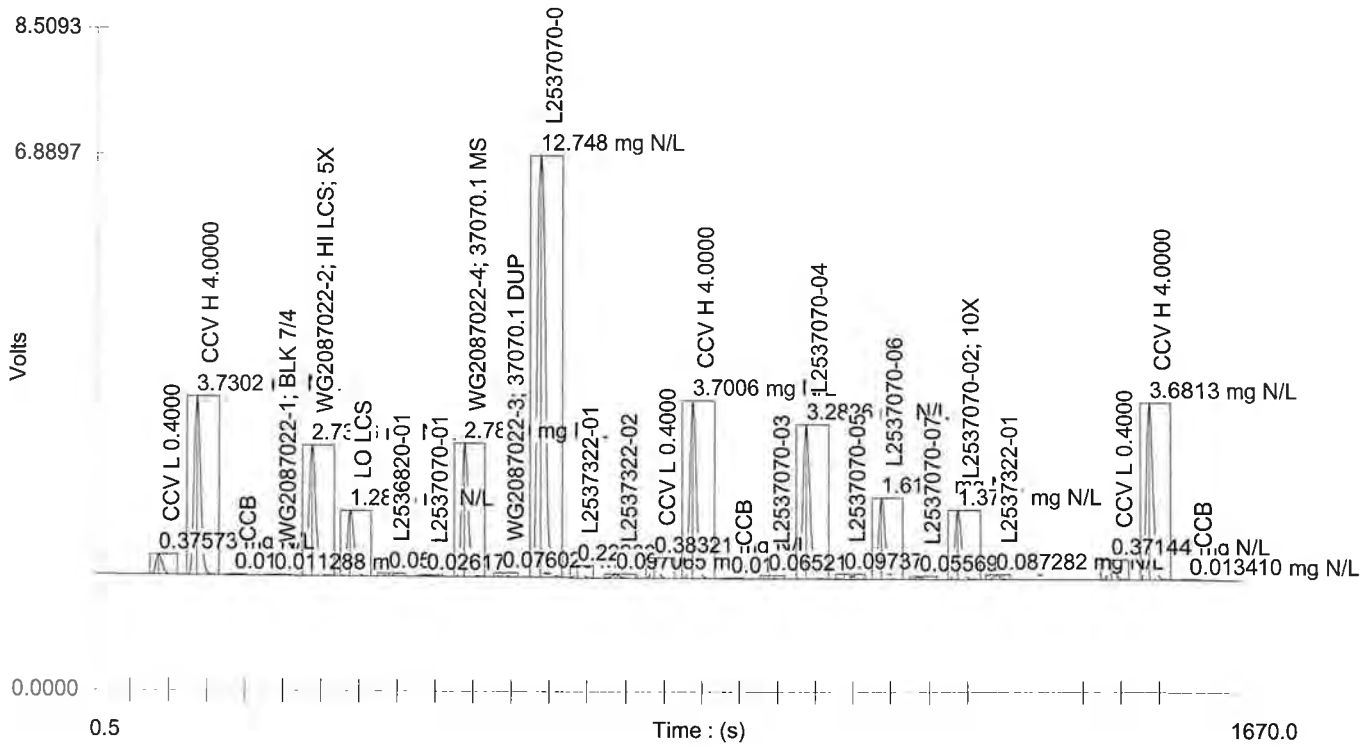
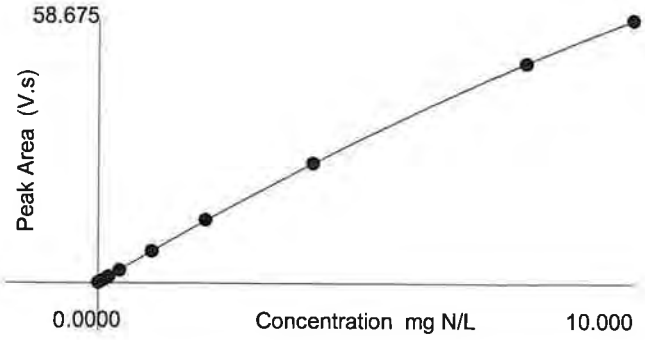


Table : 1 (LOW NH3)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	58.675	5.2131	0.0	0.0	9.9504	7/4/2025	5:17:40 PM
2	8.0000	1	49.031	4.5058	0.0	0.2	8.0351	7/4/2025	5:18:36 PM
3	4.0000	1	26.737	2.5863	0.0	0.0	4.0288	7/4/2025	5:19:32 PM
4	2.0000	1	14.138	1.3635	0.0	-1.5	2.0244	7/4/2025	5:20:28 PM
5	1.0000	1	7.1084	0.68505	0.0	0.1	0.98762	7/4/2025	5:21:24 PM
6	0.40000	1	2.8165	0.26924	0.0	2.6	0.38333	7/4/2025	5:22:21 PM
7	0.20000	1	1.4188	0.13551	0.0	3.0	0.19124	7/4/2025	5:23:18 PM
8	0.10000	1	0.71937	0.069607	0.0	3.3	0.095979	7/4/2025	5:24:16 PM
9	0.050000	1	0.38165	0.035026	0.0	0.6	0.050189	7/4/2025	5:25:11 PM
10	0.0000	1	0.053109	0.0030907			0.0057751	7/4/2025	5:26:06 PM

Figure : 1 (LOW NH3)



Area = - 0.13639 * Conc^2 + 7.2265 * Conc + 0.022798
Conc = 0.00059101 * Area^2 + 0.13493 * Area - 0.0013926
Correlation Coefficient (r) = 1.00000

Weighting : 1/x

Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2086828-4	**MS Analysis Date**	: 07/04/25 19:58
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Nitrogen, Total Kjeldahl	0.088J	8	8.69	109					77-111	24

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-09B	**Matrix**	: WATER
Lab Sample ID	: L2536247-08		
Matrix Spike	: WG2086977-4	**MS Analysis Date**	: 07/04/25 21:18
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Nitrogen, Total Kjeldahl	0.524	8	9.08	107					77-111	24

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 07/04/25 19:57
Dup Sample ID	: WG2086828-3	**DUP Analysis Date**	: 07/04/25 19:59

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	0.088J	0.323	NC	24

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-09B	**Matrix**	: WATER
Lab Sample ID	: L2536247-08	**Analysis Date**	: 07/04/25 21:17
Dup Sample ID	: WG2086977-3	**DUP Analysis Date**	: 07/04/25 21:19

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	0.524	0.653	22	24

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2086828-2	**LCS Analysis Date**	: 07/04/25 19:46
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Total Kjeldahl	**40.0**	**37.5**	**94.**					**78-122**	**24**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2086977-2	**LCS Analysis Date**	: 07/04/25 21:00
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Total Kjeldahl	**40.0**	**37.5**	**94.**					**78-122**	**24**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Total Kjeldahl	NONE	0.3	0.066	mg/l	78-122		77-111	24	24	4500NH3-H	28 days	1 - Plastic 500ml H2SO4 preserved
Nitrogen, Total Kjeldahl	NONE	0.3	0.066	mg/l	78-122		77-111	24	24	351.1	28 days	1 - Plastic 500ml H2SO4 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Total Kjeldahl	NONE	150	31.5	mg/kg	81-115	26	43-160	26	26	4500NH3-H	28 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

TKN-N mg/L = mg/L direct reading x dilution factor

Sequence Logs

NH_3 7/4/25 (AR)

TITLE

PROJECT

Continued from Page

trg A (05-16.49PM)
flag 7/3/25 @ 2055

1	Hi FW 8.0	
2	Lo FW 1.0	
3	ICB	
4	wk 20f6826-1; Blk 7/3	
5	wk 20f6826.2; Hi Mg-5+	
6	Lo Mg	
7	36401.1	
8	.2	
9	wk 20f6826.4; 36401.2 MS	
10	wk 20f6826.3; 36401.2 Dup	
11	36498.1	(10+)
12	35548.1	(20+)
13	36066.1	(2+)
14	.2	
15	36077.1	(5+)
16	.2	
17	36177.1	(5+)
18	36198.1	
19	36152.1	
20	36100.1	
21	36205.1	(5+)
22	.2	
23	36212.1	
24	36239.2	(5+)
25	36394.1	
26	36462.1	
27	36494.2	
28	36206.1	

trg B (06-9.41PM)
flag 7/3/25 @ 2112

1	wk 20f6822-1; Blk 7/3	
2	wk 20f6822.2; Hi Mg-5+	
3	Lo Mg	
4	36266.1	(10+)
5	.2	(5+)
6	.3	(10+)
7	.4	
8	.5	
9	36585.1	
10	.2	
11	36058.1	(5+)
12	.2	
X 13	36497.1	-25+
X 14	36580.1	(100+)
X 15	.2	
16	36582.1	(5+)
17	.2	
18	36418.1	
19	wk 20f6822.4; 36418.1 MS	
20	wk 20f6822.3; 36418.1 Dup	
21	36418.2	
22	.3	
23	.4	
24	36620.1	
25	.2	
26	wk 20f6822.6; 36620.2 MS	
27	wk 20f6822.5; 36620.2 Dup	

Date: 7/4/25
Sodium Phenolate: 7/2/25 R-4365
Sodium Hypochlorate: 7/2/25 [illegible]
Sodium Nitropruisside: 7/2/25 R-3565
Borric Acid Soln.: 7/2/25 R-4266
ICV 1.0: 6/27/25 WC-3612
ICV 8.0:
Cal. Std: 7/2/25 WC-3561

Continued from Page

SIGNATURE

DISCLOSED TO AND UNDERSTOOD BY

See Front Page for Instructions:

.RY INFORMATION

Continued from Page

Exp. C (07-21-25 pm)
Pkg 7/3/25 @2121

1	wlv208682B-1 T. Blu 7/3	
2	wlv208682B-2 T; Hi vis T+	
3	lows T	
X 4	35548.1 T (10+) -10+	
X 5	36265.1 T	
6	.2 T	
7	.3 T	
8	36247.9 T	
9	.10 T	
10	.11 T	
11	.12 T	
12	wlv208682B-4 T; 36247.12 MS	
13	wlv208682B-3 T-36247.12 Dg	
14	36247.13 T	
15	.14 T	
16	.15 T	
17	.16 T	
18	.17 T	
19	.18 T	
20	.20 T	

Exp. D (08-19-01 pm)
Pkg 7/3/25 @2155

1	wlv208682B-1 T. Blu 7/3 Soil	(0.1125)
2	wlv208682B-2 T; Hi vis Soil-T+	(0.1109)
3	lows T Soil	(0.1156)
4	36413.2 T-10+	(0.1057)
5	36579.1 T-10+	(0.1092)
6	37093.1 T-10+	(0.1048)
7	37094.1 T-10+	(0.1035)
8	36525.2 T	(0.1058)
9	.3 T	(0.0906)
10	.4 T	(0.0906)
11	.5 T	(0.0901)
12	wlv208682B-4 T; 36525.5 MS	(0.0997)
13	wlv208682B-3 T; 36525.5 Dg	(0.0946)
14	36525.6 T	(0.1080)
15	.7 T	(0.0952)
16	.8 T	(0.1068)
17	.9 T	(0.0959)
18	.10 T	(0.1024)
19	.11 T	(0.1042)
20	.12 T	(0.0955)

→ 08-35-27 pm

Continued from Page

SIGNATURE DATE

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PROPRIETARY INFORMATION

Wits 7/4/25 (AF Cont.

TITLE

PROJECT

Continued from Page

tg. E (08.5550fm)
Pup 7/4/25 @0749

1 Wb 20869771 T-Blu 7/4
2 Wb 20869772T; Hi ws 5+
3 6ows T
4 36217.2 T
5 36266.1 T (5+)
6 .2 T (5+)
7 .3 T
8 .4 T (10+)
9 .5 T
10 36247.1 T
11 .2 T
12 .3 T
13 .4 T
14 .5 T
15 .6 T
16 .7 T
17 .8 T
18 Wb 20869774T; 36247.8 ws
19 Wb 20869773 T; 36247.8 Xg
20

tg. F (10-39-36fm)
P-g 7/4/25 @2123

1 Wb 20870191; Blu 7/4
2 Wb 20870192; Hi ws 5+
3 6ows
4 36560.1 (2+)
5 .2 -10+
6 36610.2
7 Wb 20870194; 36610.2 ws
8 Wb 20870193; 36610.2 Xg
9 37648.1
10 .4
11 .7
12 .10
13 .13
14 .16
15 .19
16 .22
17 376672
18 .4
19 .6
20 .8
21 .10
22 .12
23 .14
24 .16
25 .18

Continued from Page

SIGNATURE DATE

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PROPRIETARY INFORMATION

Continued from Page

Hy-G (11-20-59 Pm)
Pup 7/4/24 @2148

1 wb208f7021-1; Blu 7/4
2 wb208f7021-2; Hi-ws-5+
3 lo ws
4 36499.1 (20+) -10+
5 .2 (10+) -10+
6 37671.1 (10+) -10+
7 .2 (5+) -2+
8 36608-1 (2+)
9 .2
10 36636.1
11 36610.3 - 10+
12 wb208f7021-4; 36610.3 ms -10+
13 wb208f7021-3; 36610.3 lp -10+
14 36641.1
15

ref pt

Hy-H (11-52-59 Pm)
Pup 7/4/24 @2156

1 wb208f7022-1; Blu 7/4
2 wb208f7022-2; Hi ws 5+
3 lo ws
4 36820.1
5 37070.1
6 wb208f7022-4; 37070.1 ms
7 wb208f7022-3; 37070.1 lp
8 37070.2 -10+
9 37322.1
10 .2
11 37070.3
12 .4
13 .5
14 .6
15 .7

Continued from Page

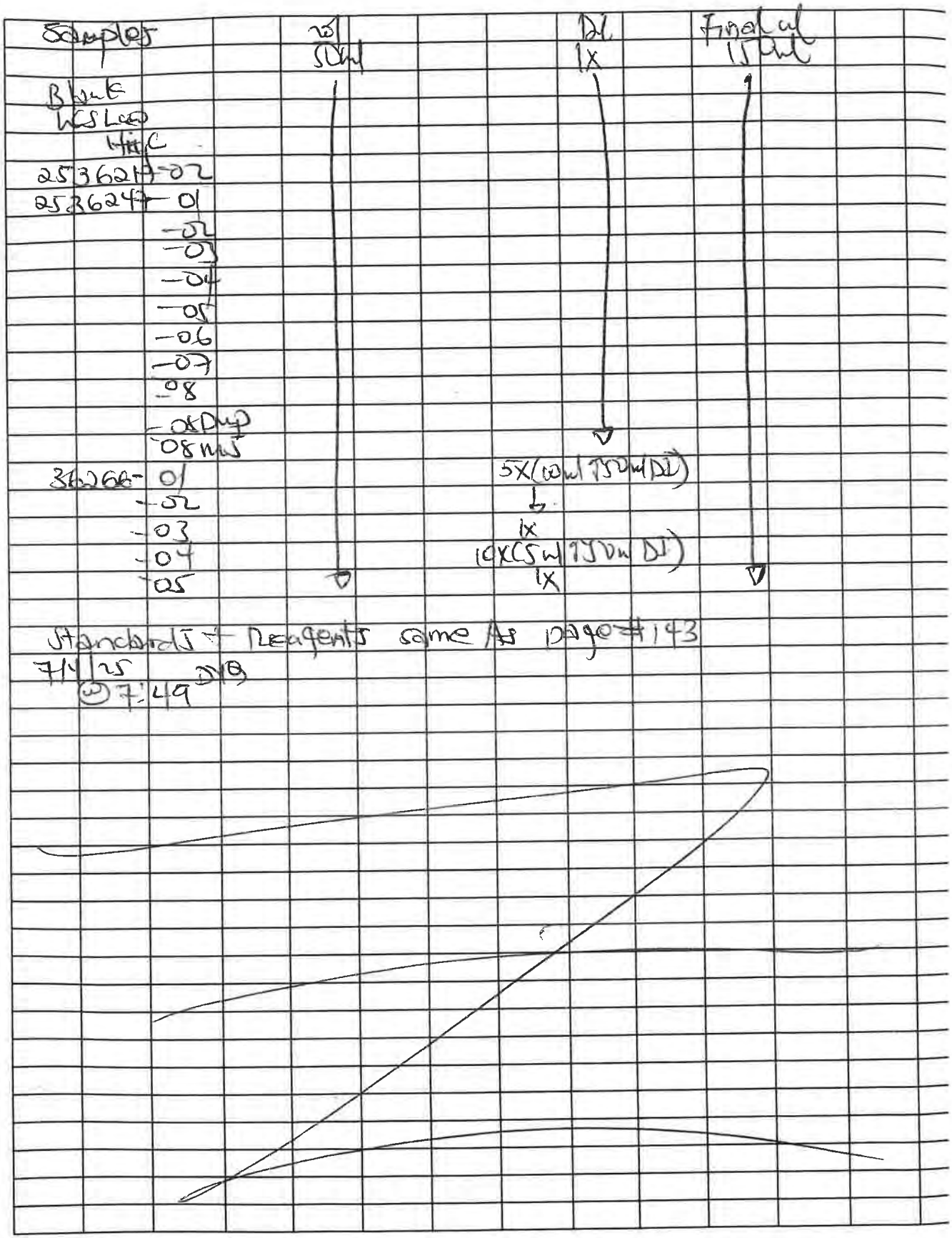
SIGNATURE DATE

DISCLOSED TO AND UNDERSTOOD BY DATE

PROPRIETARY INFORMATION

Sample Preparation

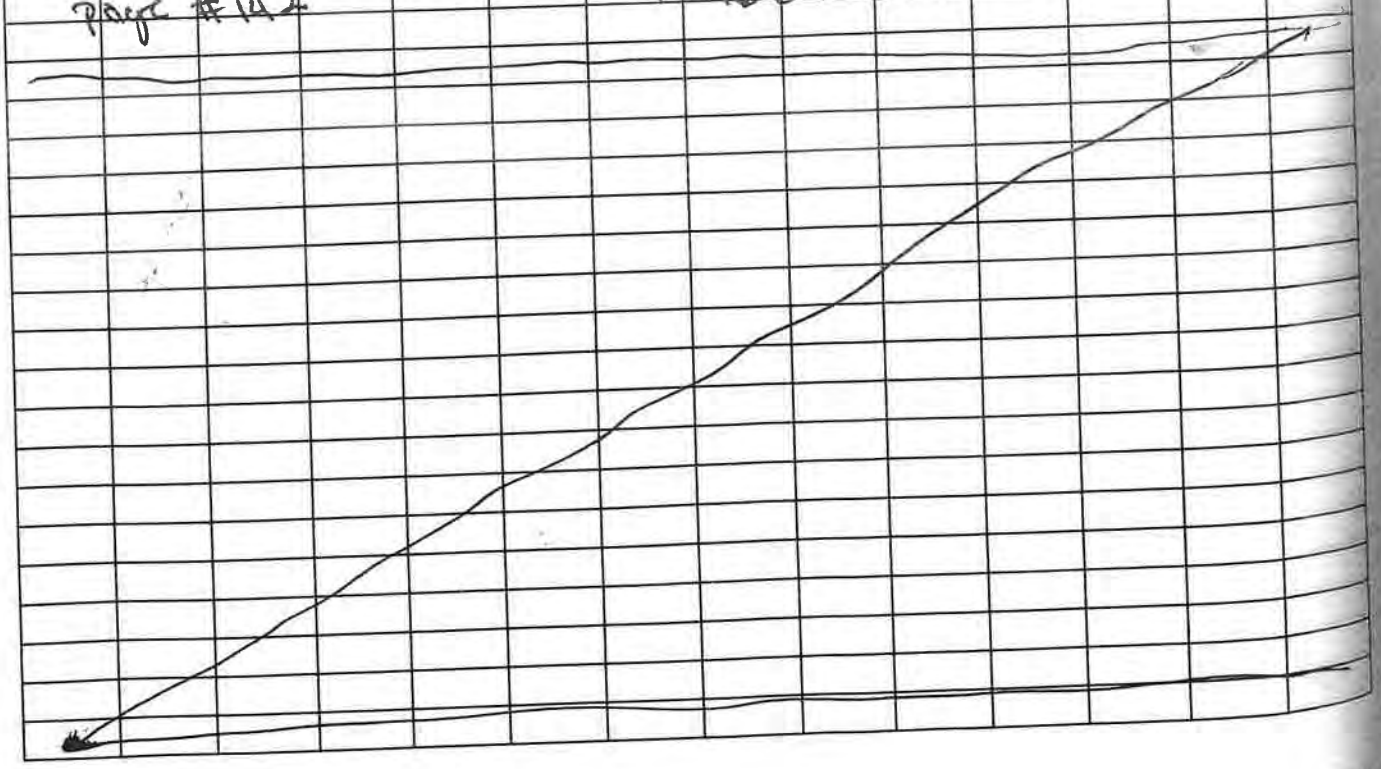
WG2086977


Samples
Blank
LCS
LCSD
MSC
253624-02
253624-01
-02
-03
-04
-05
-06
-07
-08
-DUP
-08MS
376266-01
-02
-03
-04
-05
20 SUM
DI 1X
Final at 1.5mL
5X(10ml TSUM DI)
1X
10X(5ml TSUM DI)
1X
Standard + Reagents same As Page #143
7/1/25
@ 7:49 DIG

WG2086828

Samples				Vol	Dilution	Fin Vol
				50mL	1x	150mL
Blank					↓	
Low						
High					10x (5+50) MATRIX	
6253	5548	-01			1x	
	6247	-09				
		-10				
		-11				
		-12				
		-12	DUP			
		-12	MS			
		-13				
		-14				
		-15				
		-16				
		-17				
		-18				
		-20				
	6265	-01				
		-02				
		-03				

Same Standards + Wedgwood as 07/03/25 @ 21:21
page #142 NSC + SEF



Pre-Qualtrax Document ID: N/A

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 08:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.25	0.10	0.046	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-02	**Date Collected**	:	06/10/25 12:50
Client ID	:	MW-06B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 08:54
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	1.5	0.10	0.046	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-03	**Date Collected**	:	06/10/25 11:53
Client ID	:	MW-07A	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 08:55
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.31	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.48	0.10	0.046	

Form 1
WETCHEM

Client	:	P. W. Grosser	Lab Number	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	Project Number	:	BSD1504
Lab ID	:	L2536247-05	Date Collected	:	06/10/25 10:00
Client ID	:	MW-10B	Date Received	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	:	06/24/25 09:02
Sample Matrix	:	WATER	Dilution Factor	:	1
Analytical Method	:	121,4500NO3-F	Analyst	:	KAF
Lab File ID	:	NO3250624-C1	Instrument ID	:	LACHAT
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Nitrogen, Nitrate/Nitrite	1.6	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	2.3	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	4.9	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:06
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-09	**Date Collected**	:	06/09/25 15:02
Client ID	:	MW-05B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 09:07
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	3.0	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.19	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.51	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	2.3	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.18	0.10	0.046	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-14	**Date Collected**	:	06/09/25 11:45
Client ID	:	MW-02B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 09:20
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.14	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.056	0.10	0.046	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.49	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.25	0.10	0.046	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-18	**Date Collected**	:	06/09/25 09:30
Client ID	:	MW-04B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 09:25
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.20	0.10	0.046	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-20	**Date Collected**	:	06/09/25 00:00
Client ID	:	DUP001	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 09:26
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500NO3-F	**Analyst**	:	KAF
Lab File ID	:	NO3250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	0.48	0.10	0.046	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082549-1	**Date Collected**	: NA
Client ID	: WG2082549-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/24/25 04:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-A1	**Instrument ID**	: LACHAT4
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082549-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/24/25 09:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500NO3-F	**Analyst**	: KAF
Lab File ID	: NO3250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Nitrogen, Nitrate/Nitrite	2.2	0.10	0.05	

Sample Raw Data

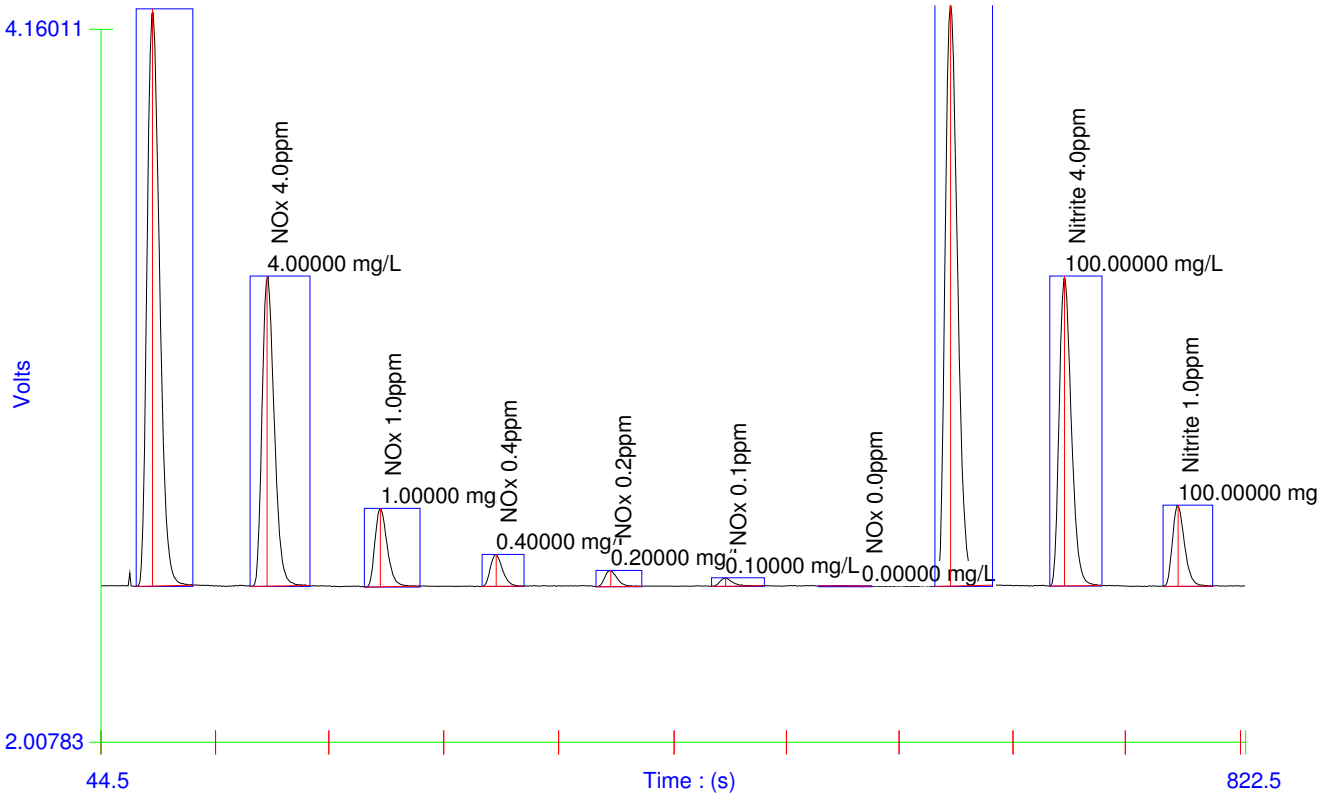
Original Run Filename: OM_6-24-2025_03-44-13AM.OMN Created: 6/24/2025 3:44:13 AM
Original Run Author's Signature: [A1wetcheminstrument]
Current Run Filename: OM_6-24-2025_03-44-13AM.OMN Last Modified: 6/24/2025 6:04:31 AM
Current Run Author's Signature: [A1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 NO3+NO2 (mg/L)	Channel 2 Nitrite (mg N/L)	ADF	MDF	Weight
NOx 8.0ppm	1	S3	8.00000	100.00000			
NOx 4.0ppm	1	S4	4.00000	100.00000			
NOx 1.0ppm	1	S2	1.00000	100.00000			
NOx 0.4ppm	1	S5	0.40000	100.00000			
NOx 0.2ppm	1	S6	0.20000	100.00000			
NOx 0.1ppm	1	S7	0.10000	100.00000			
NOx 0.0ppm	1	S1	0.00000	100.00000			
Nitrite 8.0ppm	1	S10	100.00000	8.00000			
Nitrite 4.0ppm	1	S11	100.00000	4.00000			
Nitrite 1.0ppm	1	S9	100.00000	1.00000			
Nitrite 0.4ppm	1	S12	100.00000	0.40000			
Nitrite 0.1ppm	1	S13	100.00000	0.10000			
Nitrite 0.05ppm	1	S14	100.00000	0.05000			
Nitrite 0.0ppm	1	S1	100.00000	0.00000			
CCV NO3	1	S2	1.02973	-0.01087			
	Known Conc:		1.00000	0.00000			
	Calibration:		Table/Fig. : 1	Table/Fig. : 2			
CCV NO2	1	S9	1.05356	1.08027			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.02688	-0.01000			
	Known Conc:		0.00000	0.00000			
ICV NO3 5.0	1	1	4.89986	-0.00439			
ICV NO2 5.0	1	2	5.07309	5.22107			
ICV NO3 0.5	1	3	0.49387	-0.00845			
ICV NO2 0.5	1	4	0.49668	0.52080			
ICB	1	5	0.00783	-0.00474			
DILUTER CHECK 8PPM	1	6	8.19557	-0.13953	5.00		
BLNK NO3	1	7	-2.11725e-5	-0.00881			
LCS NO3	1	8	4.87753	-0.00871			
BLNK NO2	1	9	-0.02176	-0.00484			
LCS NO2	1	10	5.04704	5.21465			
CCV NO3	1	S2	1.02430	-0.00105			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.04718	1.08336			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.00552	-0.00491			
	Known Conc:		0.00000	0.00000			
WG2082546-1	1	11	-0.01233	-0.00627			
WG2082546-2	1	12	5.06107	5.20083			
WG2082547/248-1	1	13	0.01048	-0.00626			
WG2082547/248-2	1	14	4.88082	-0.00474			
WG2082549-1	1	15	0.00921	-0.00907			
WG2082549-2	1	16	4.88206	-0.00843			
WG2082551-1	1	17	0.01241	-0.00454			
WG2082551-2	1	18	4.90551	-0.00218			
WG2082554-1	1	19	-0.01403	-0.00457			
WG2082554-2	1	20	4.90185	-0.00626			
CCV NO3	1	S2	1.03461	-0.00788			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.04423	1.08444			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.01340	-0.00828			
	Known Conc:		0.00000	0.00000			
WG2082556-1	1	21	-0.01416	-0.00443			
WG2082556-2	1	22	4.90924	-0.00723			
L2539304-01A	1	23	0.00859	-0.00345			
L2539304-02A	1	24	0.03816	-0.00156			
L2539304-03A	1	25	0.03735	-0.00976			
L2539304-04A	1	26	0.02432	-0.00185			

L2539304-05A	1	27	0.02816	0.00178			
L2539304-06A	1	28	0.03054	-0.00520			
L2539383-01N	1	29	0.04114	0.02287			
WG2082547/548-3	1	30	0.02691	0.02114			
CCV NO3	1	S2	1.02982	-0.00657			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.04397	1.08366			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.01350	-0.00623			
	Known Conc:		0.00000	0.00000			
WG2082547/548-4	1	31	3.39473	0.02192			
WG2082546-3	1	32	0.05602	0.02311			
WG2082546-4	1	33	3.48741	3.84232			
L2539383-02N	1	34	0.05389	0.02551			
L2539383-03N	1	35	0.05950	0.02343			
L2536038-01B	1	36	2.67045	0.56314			
L2536038-02C	1	37	5.34473	-0.00303			
L2535807-01A	1	38	0.13452	-0.00097			
WG2082551-3	1	39	0.13094	-0.00149			
WG2082551-4	1	40	4.08051	0.01805			
CCV NO3	1	S2	1.04238	-0.00728			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.05969	1.09141			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.02970	-0.00577			
	Known Conc:		0.00000	0.00000			
L2535807-04A	1	41	0.95146	-0.00255			
L2535807-07A	1	42	0.86051	-0.00319			
L2535807-10A	1	43	0.84653	-0.00195			
L2535807-13A	1	44	0.03552	-0.01261			
L2535807-16A	1	45	0.16080	-0.00242			
L2535807-19A	1	46	0.44838	-0.00434			
L2535807-22A	1	47	0.44440	-0.00578			
L2535807-25A	1	48	0.03309	-0.00051			
L2535809-02A	1	49	0.20155	-0.00291			
WG2082551-5	1	50	0.18491	-0.00732			
CCV NO3	1	S2	1.05093	-0.00716			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.07689	1.09112			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.00157	-0.00951			
	Known Conc:		0.00000	0.00000			
WG2082551-6	1	51	4.15157	-0.00272			
L2535809-05A	1	52	0.17985	-0.00329			
L2535809-08A	1	53	0.03588	-0.00559			
L2535809-11A	1	54	0.08711	-0.00424			
L2535809-14A	1	55	0.03236	-0.00382			
L2535809-17A	1	56	0.18539	-0.00504			
L2535809-20A	1	57	0.63665	-0.00285			
L2535809-23A	1	58	0.04807	-0.00303			
L2535809-26A	1	59	0.15858	-0.00573			
L2535814-01A	1	60	0.51988	-0.00687			
CCV NO3	1	S2	1.10024	-0.00698			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.13913	1.09342			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	0.00512	-0.00650			
	Known Conc:		0.00000	0.00000			
WG2082554-3	1	61	0.50032	-0.00650			
WG2082554-4	1	62	4.51195	-0.00492			
L2535814-04A	1	63	0.68377	-0.00346			
L2535814-07A	1	64	0.17071	-0.00725			
L2535814-10A	1	65	0.17163	-0.00469			
L2535814-13A	1	66	0.02093	-0.00409			
L2535814-16A	1	67	0.61998	-0.00359			
L2535814-19A	1	68	0.26452	-0.00511			
L2535814-22A	1	69	0.44270	-0.00514			
L2535814-25A	1	70	0.07086	-0.02294			

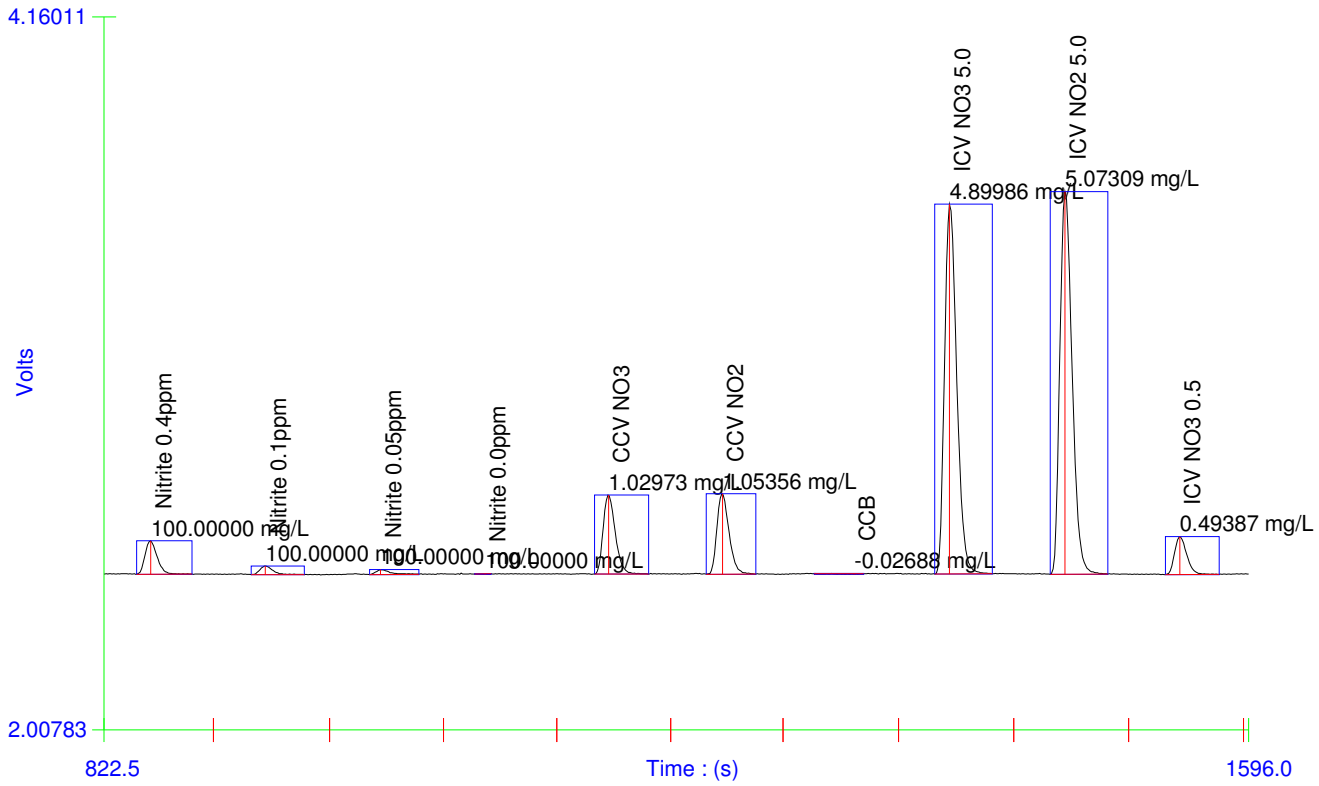
CCV NO3	1	S2	1.12026	-0.00763			
		Known Conc:	1.00000	0.00000			

Channel 1 (NO3+NO2) - Set: 1 / 11



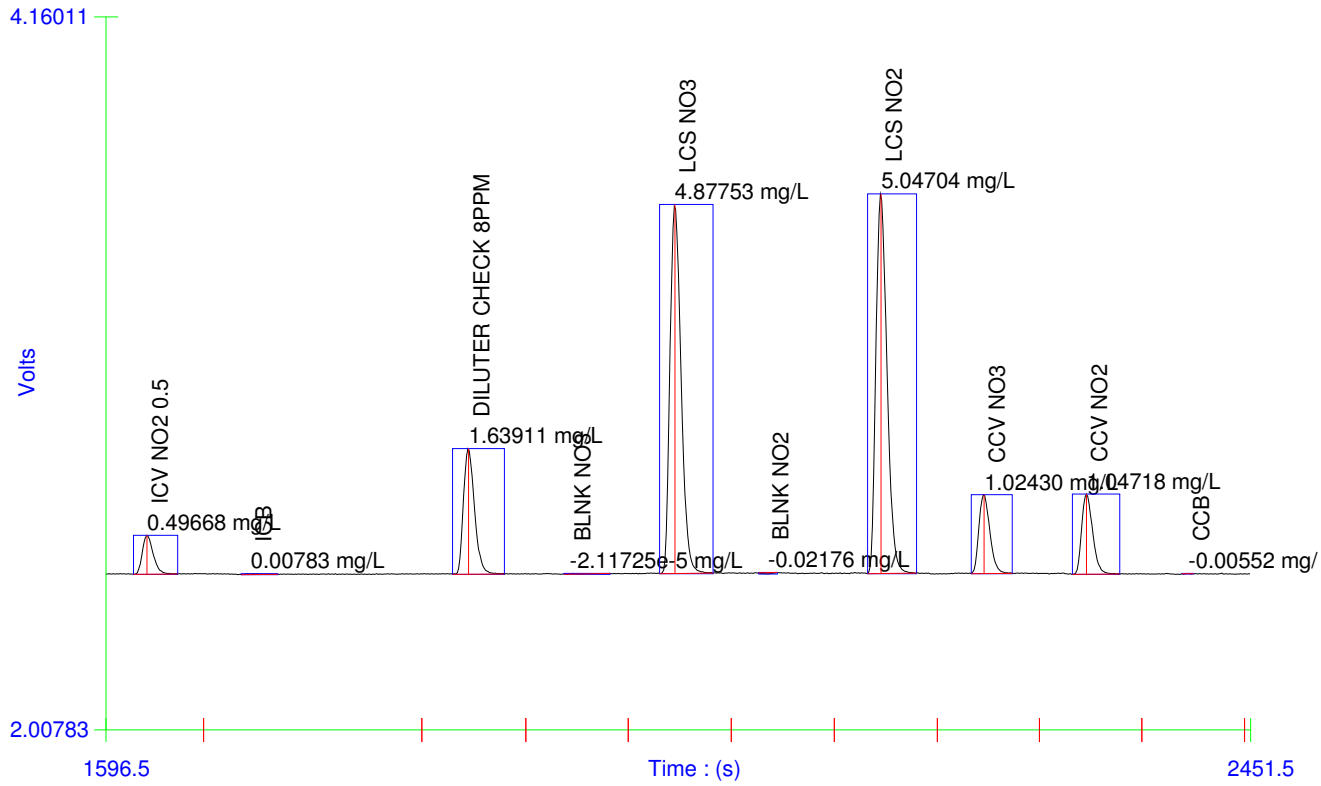
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 2 / 11



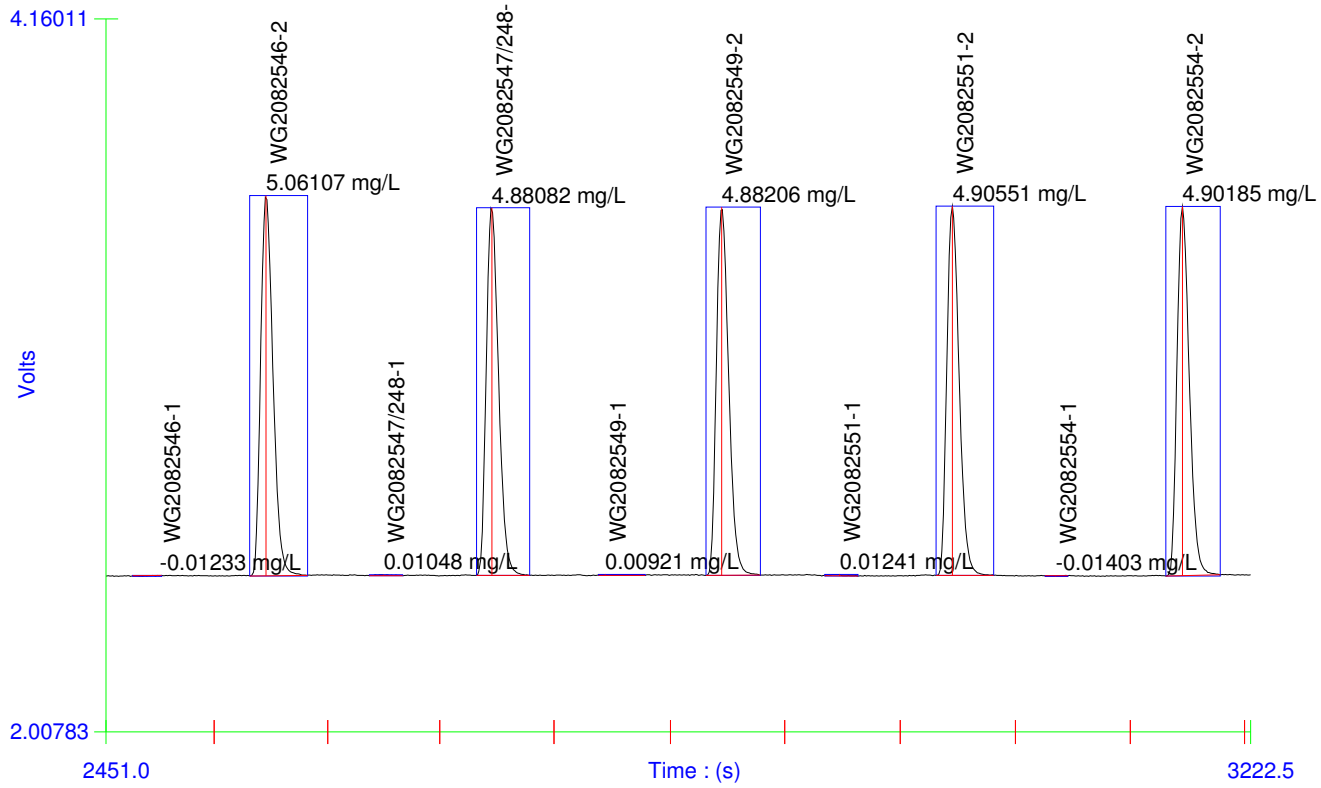
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 3 / 11



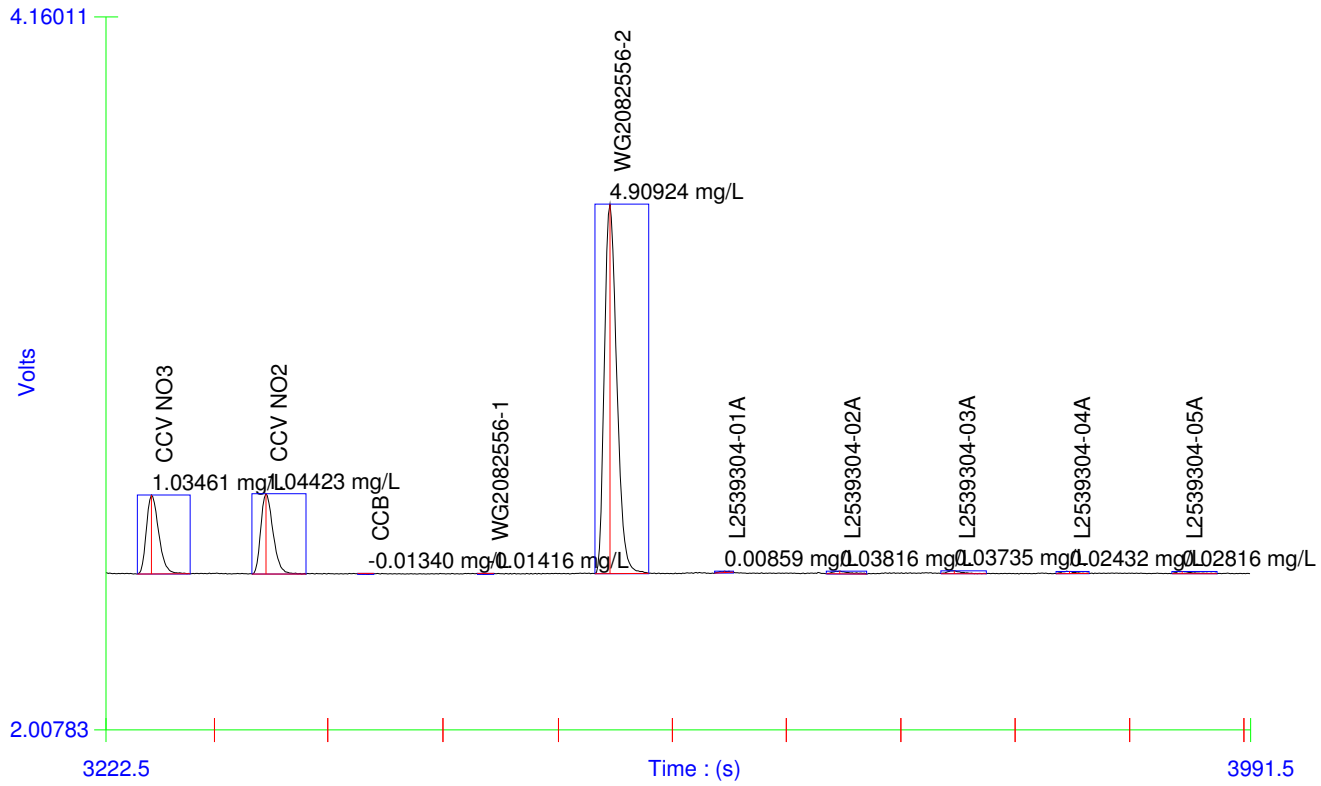
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 4 / 11



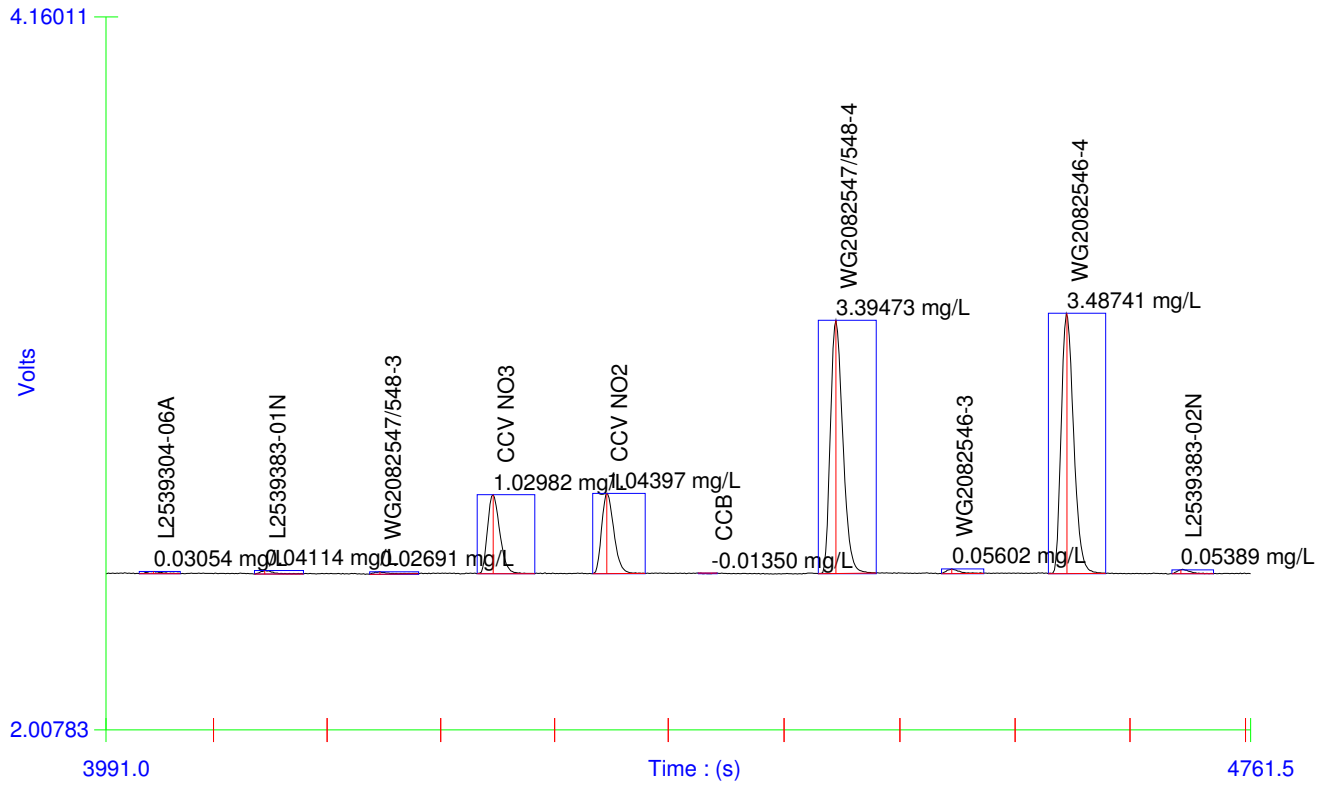
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 5 / 11



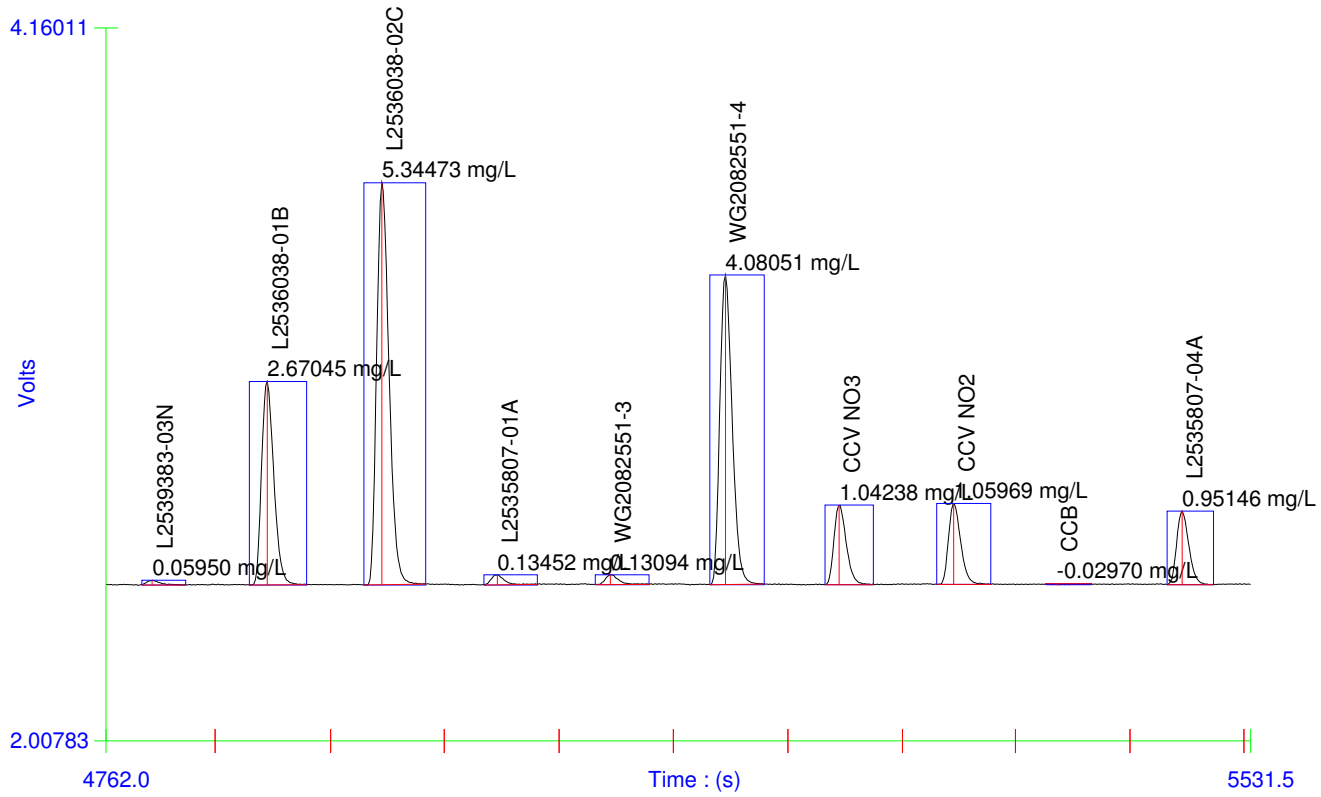
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 6 / 11



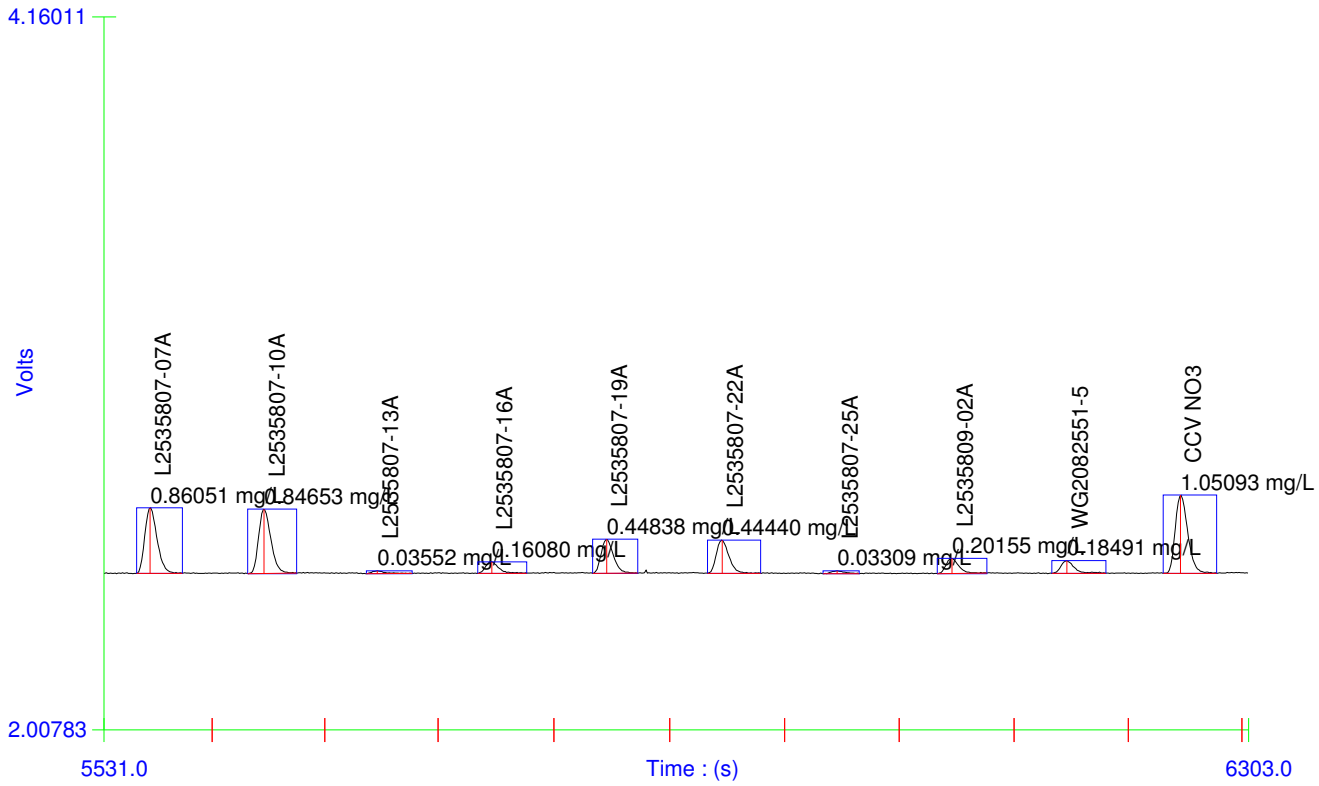
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 7 / 11



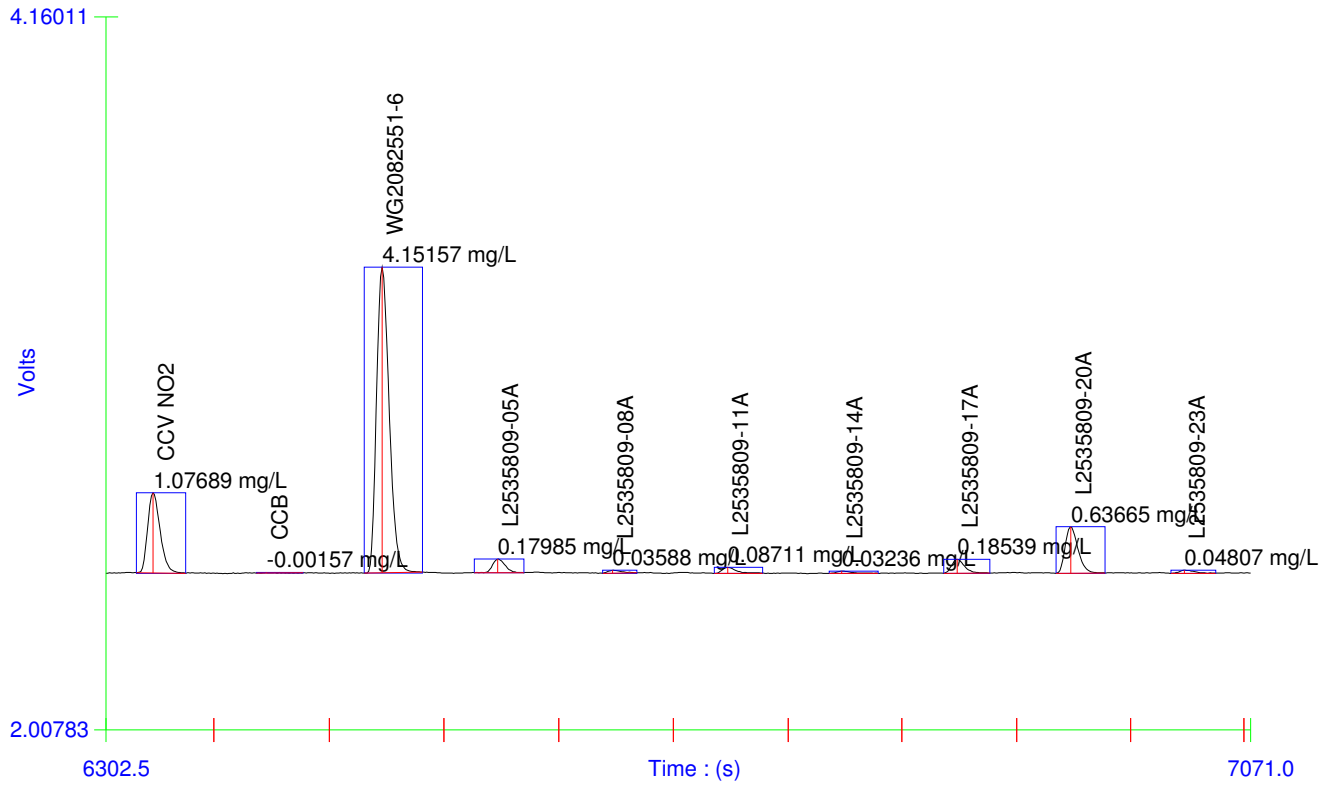
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 8 / 11



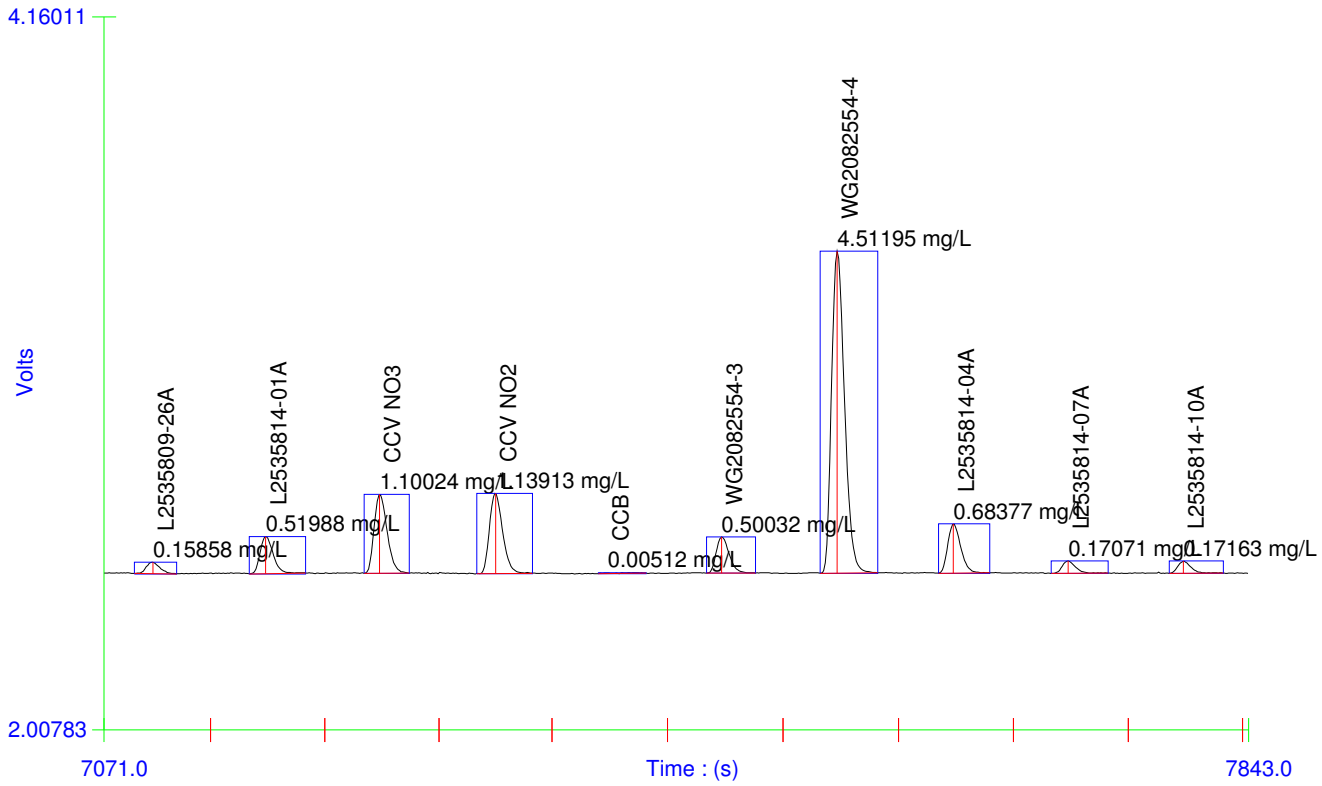
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 9 / 11



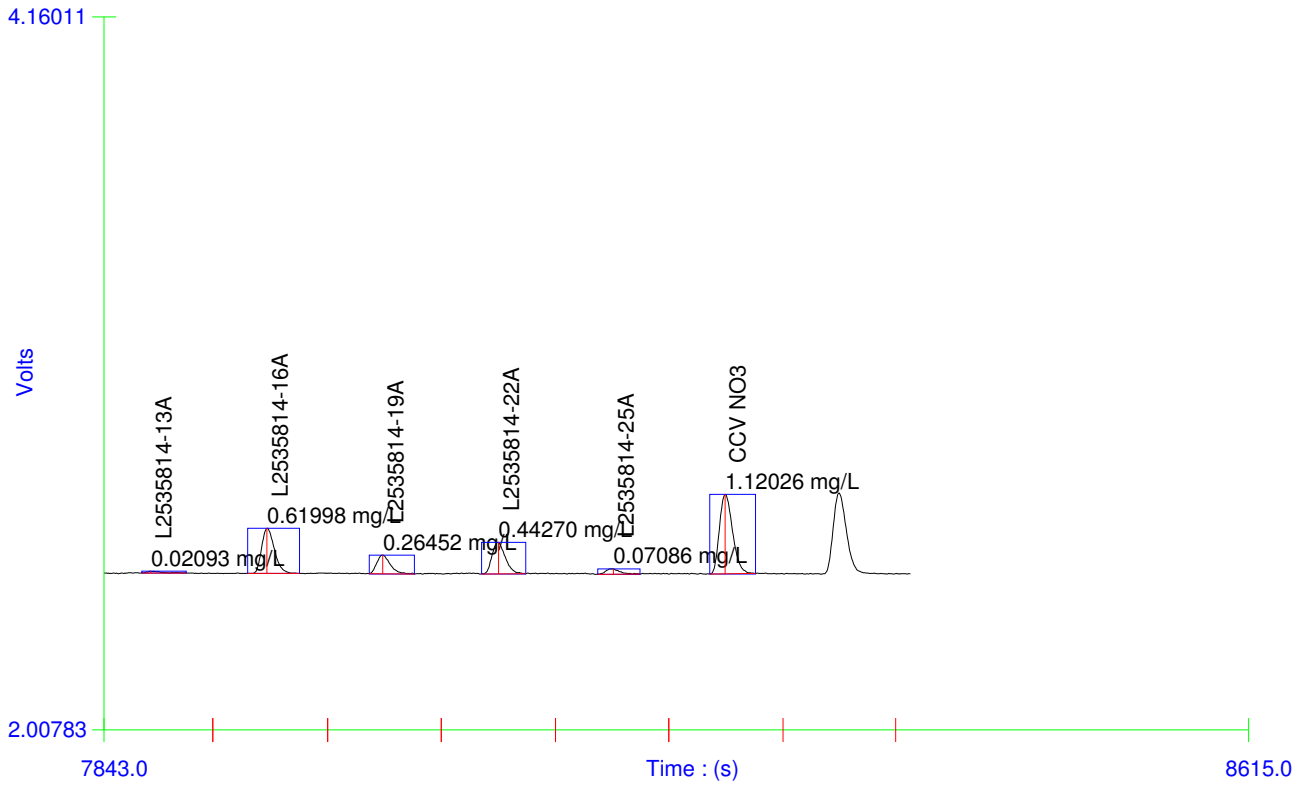
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 10 / 11



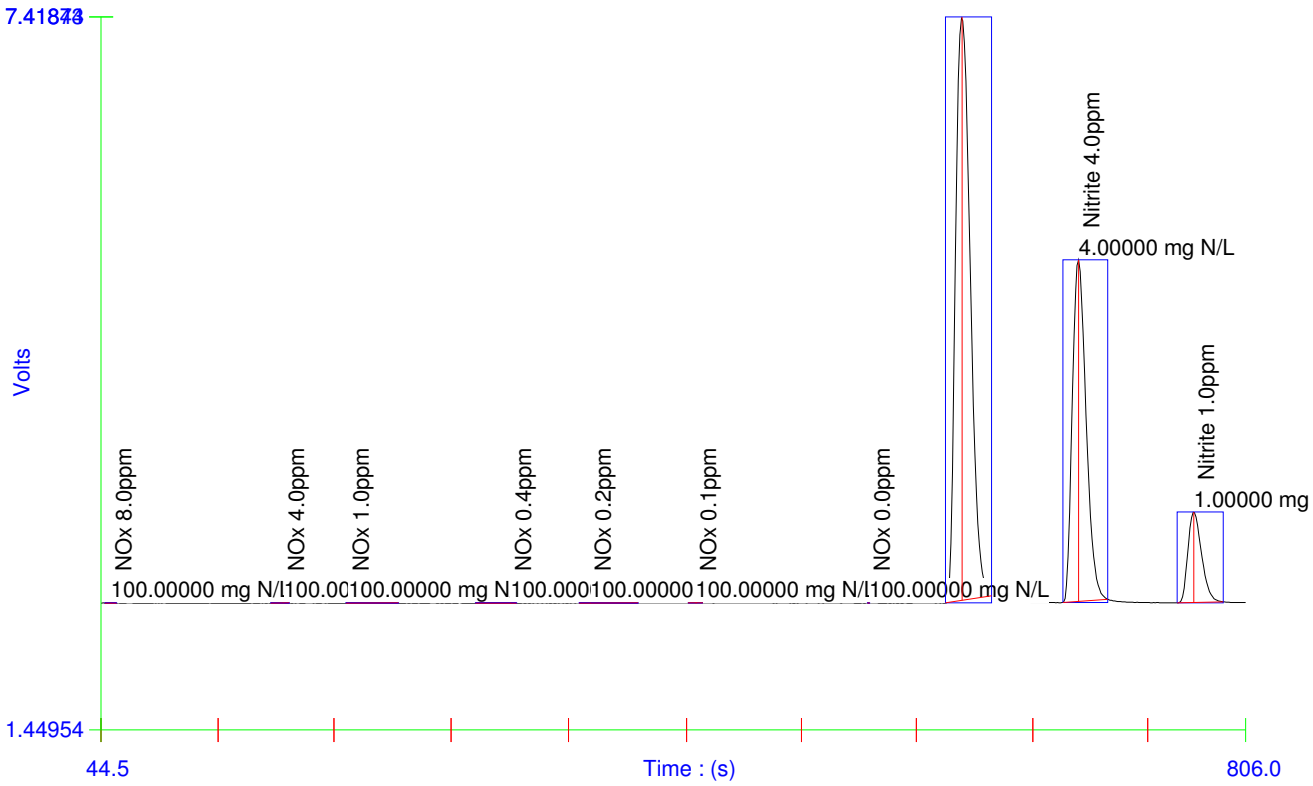
Author: KAF TRAY 1 Date : 250624-1

Channel 1 (NO3+NO2) - Set: 11 / 11



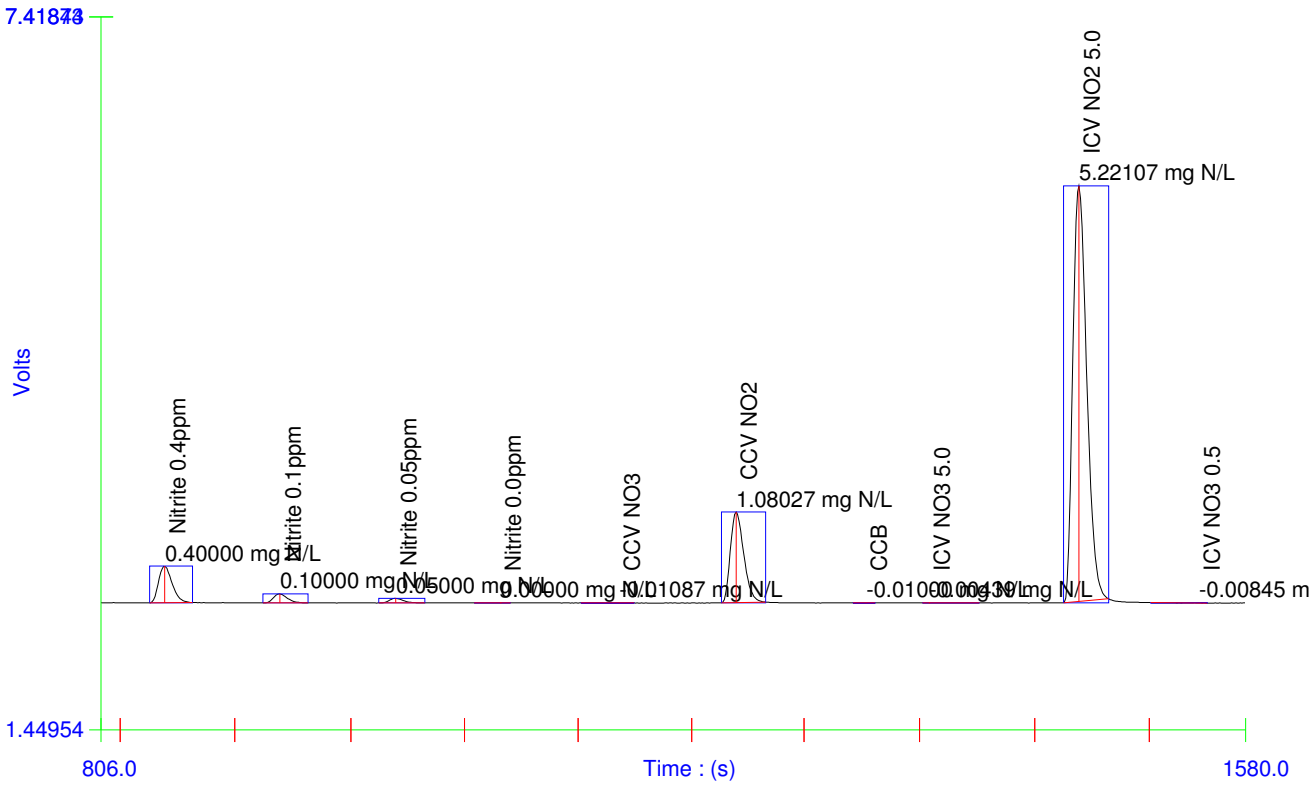
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 1 / 11



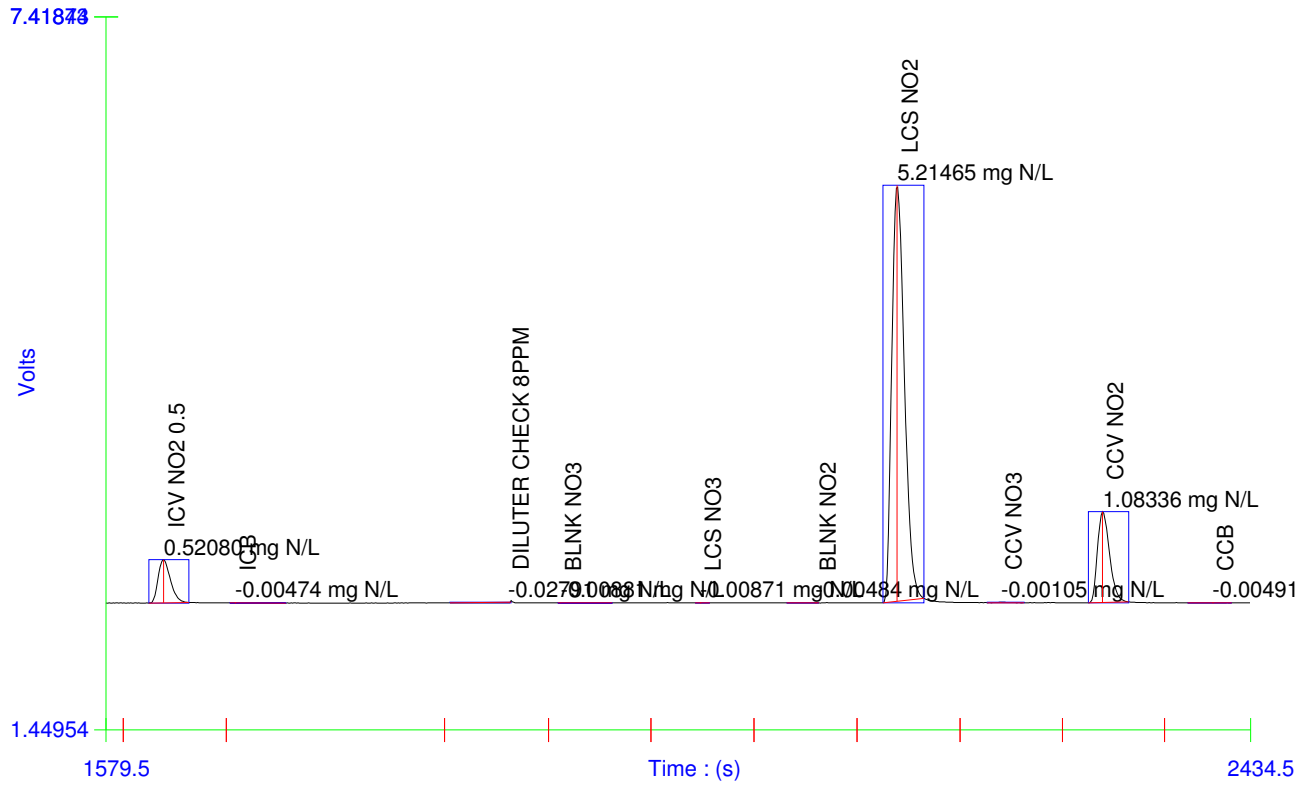
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 2 / 11



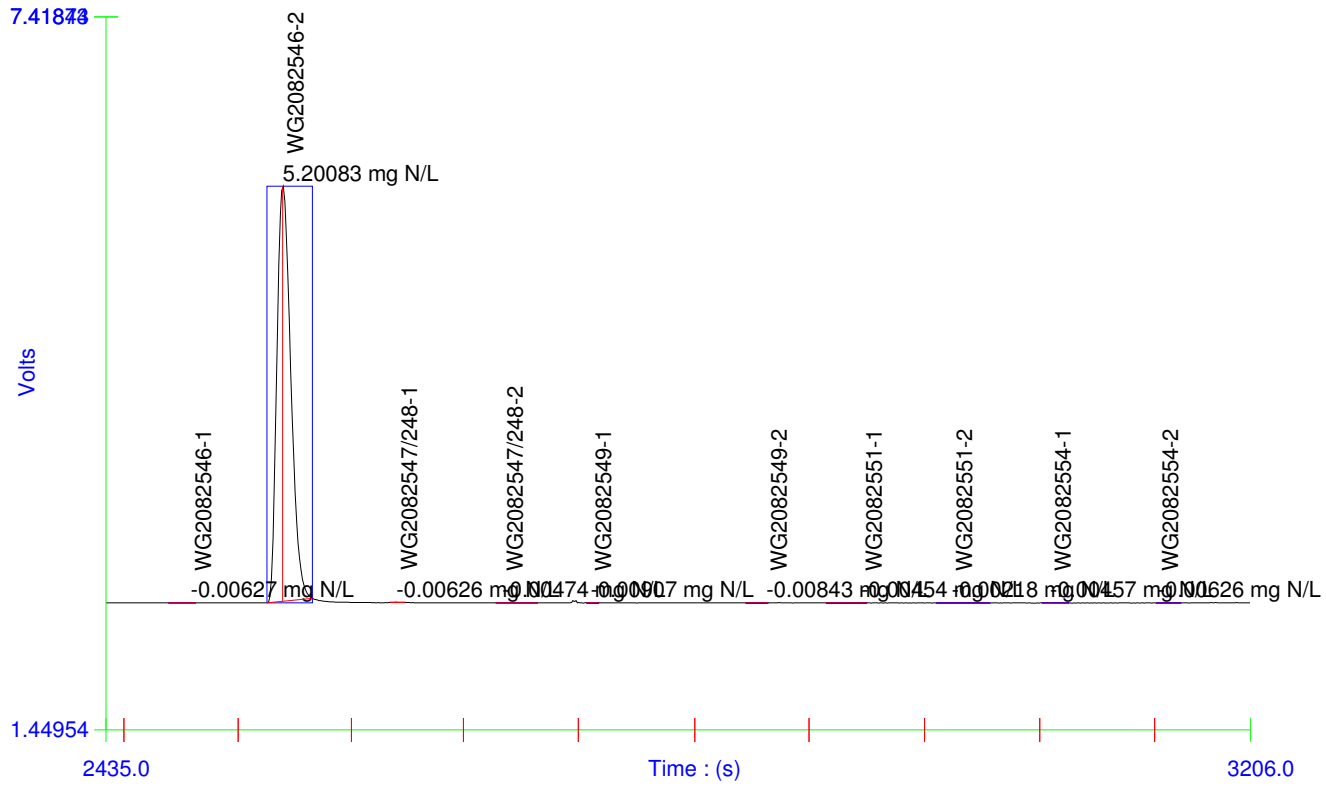
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 3 / 11



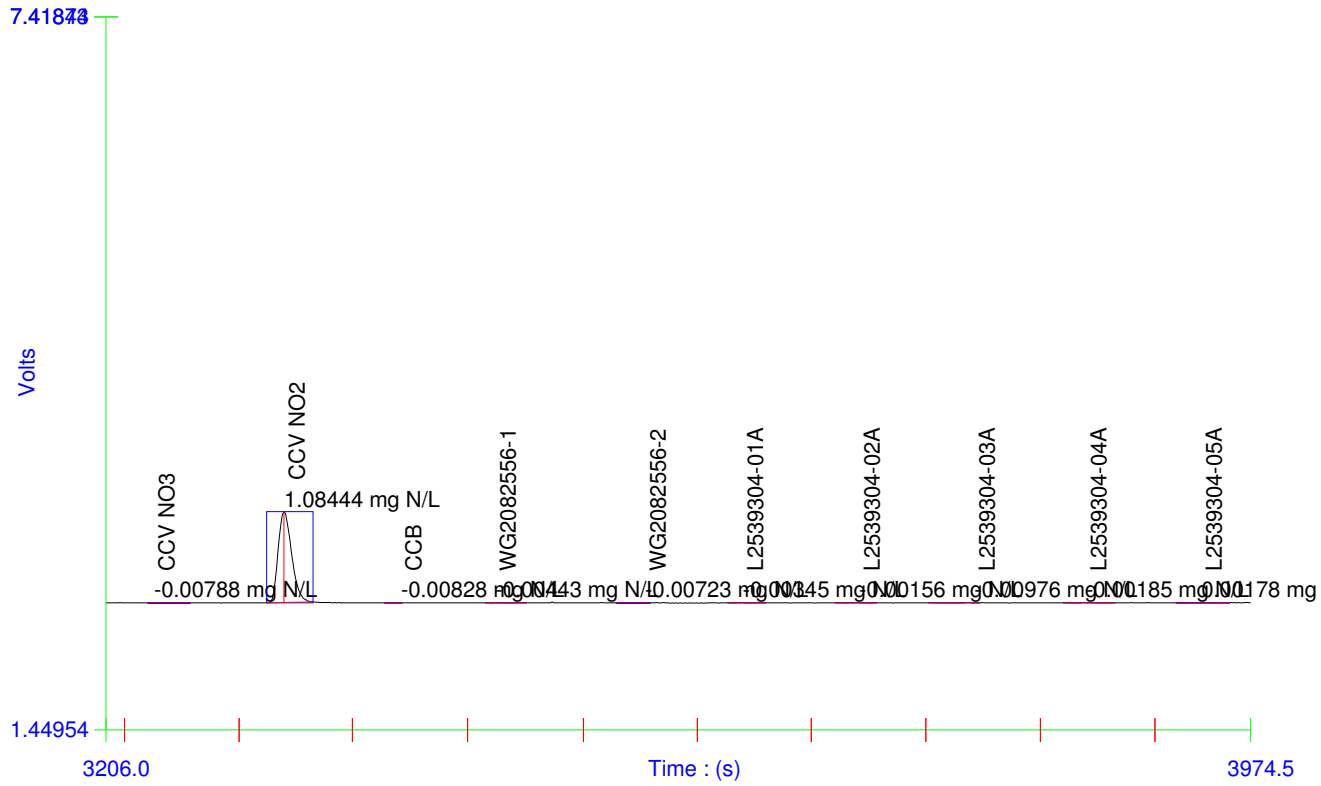
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 4 / 11



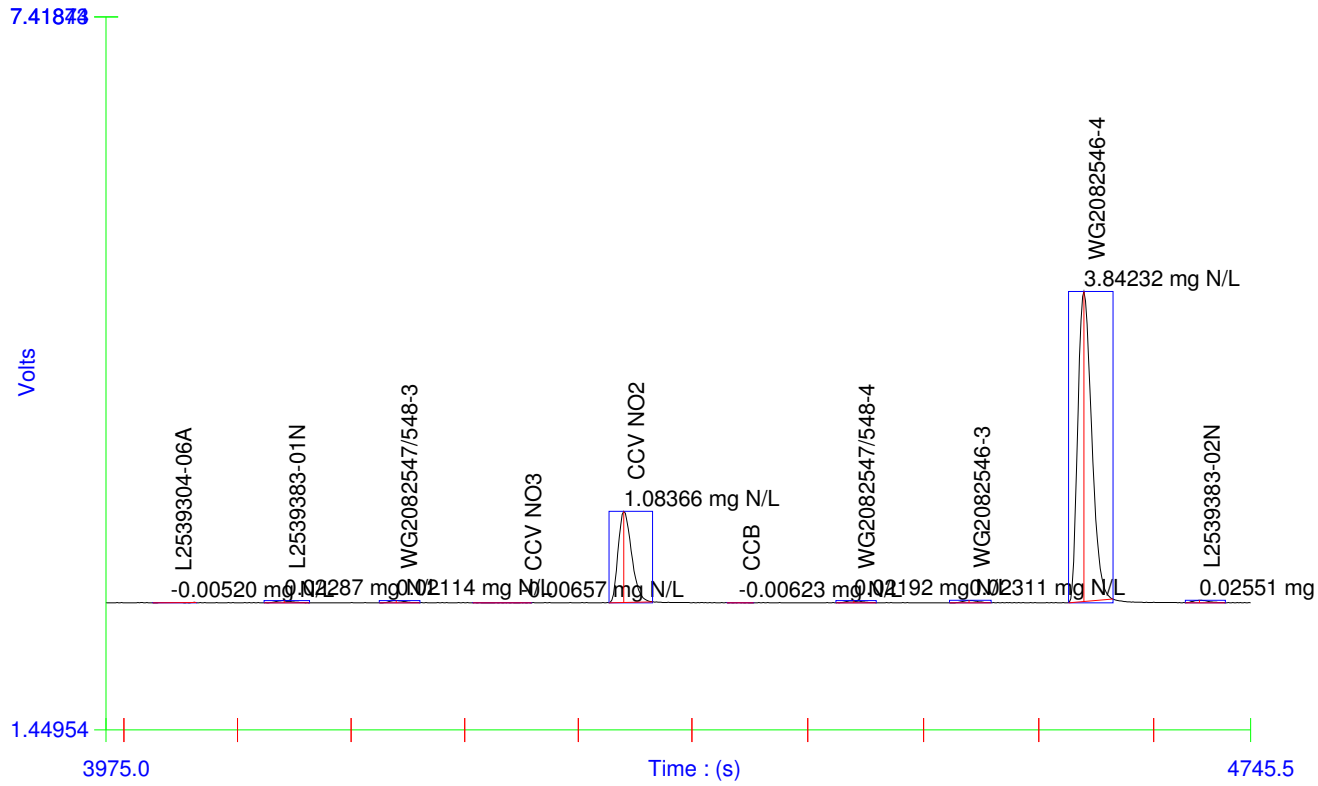
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 5 / 11



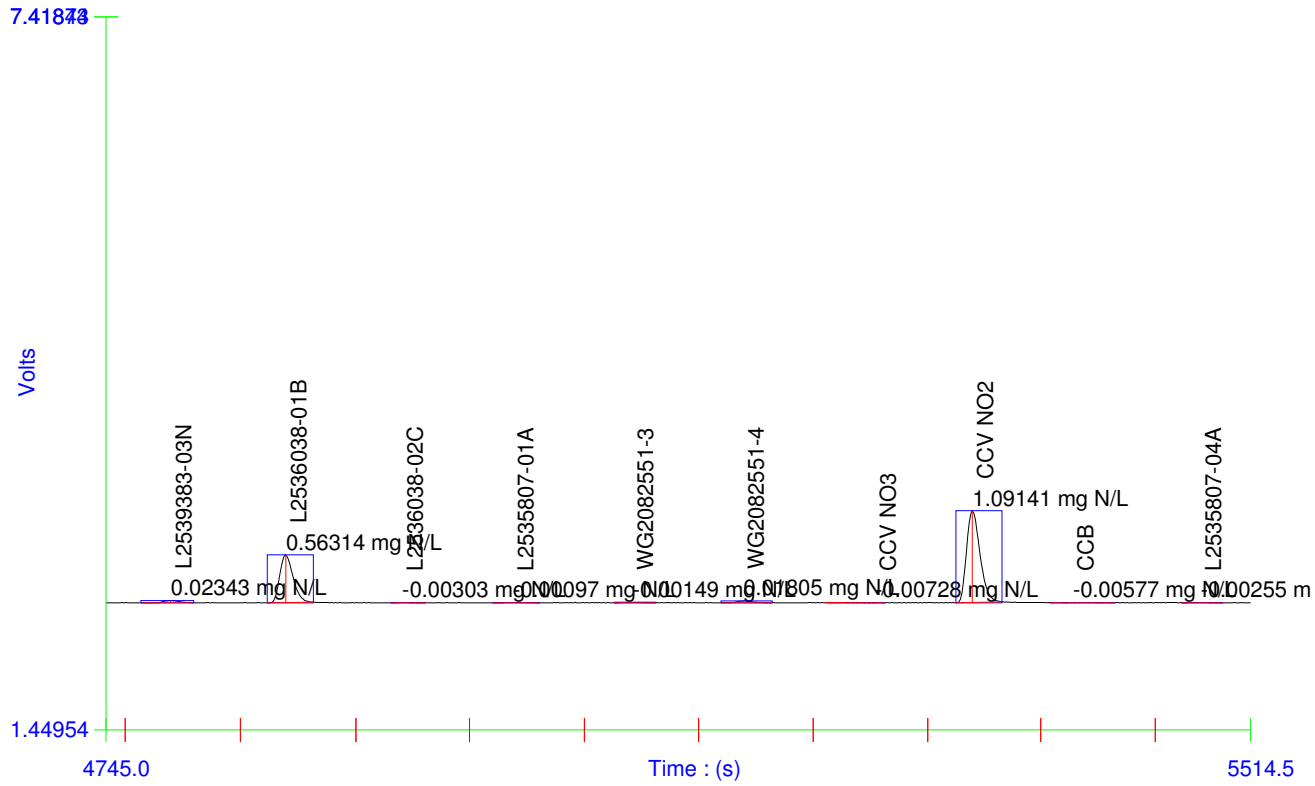
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 6 / 11

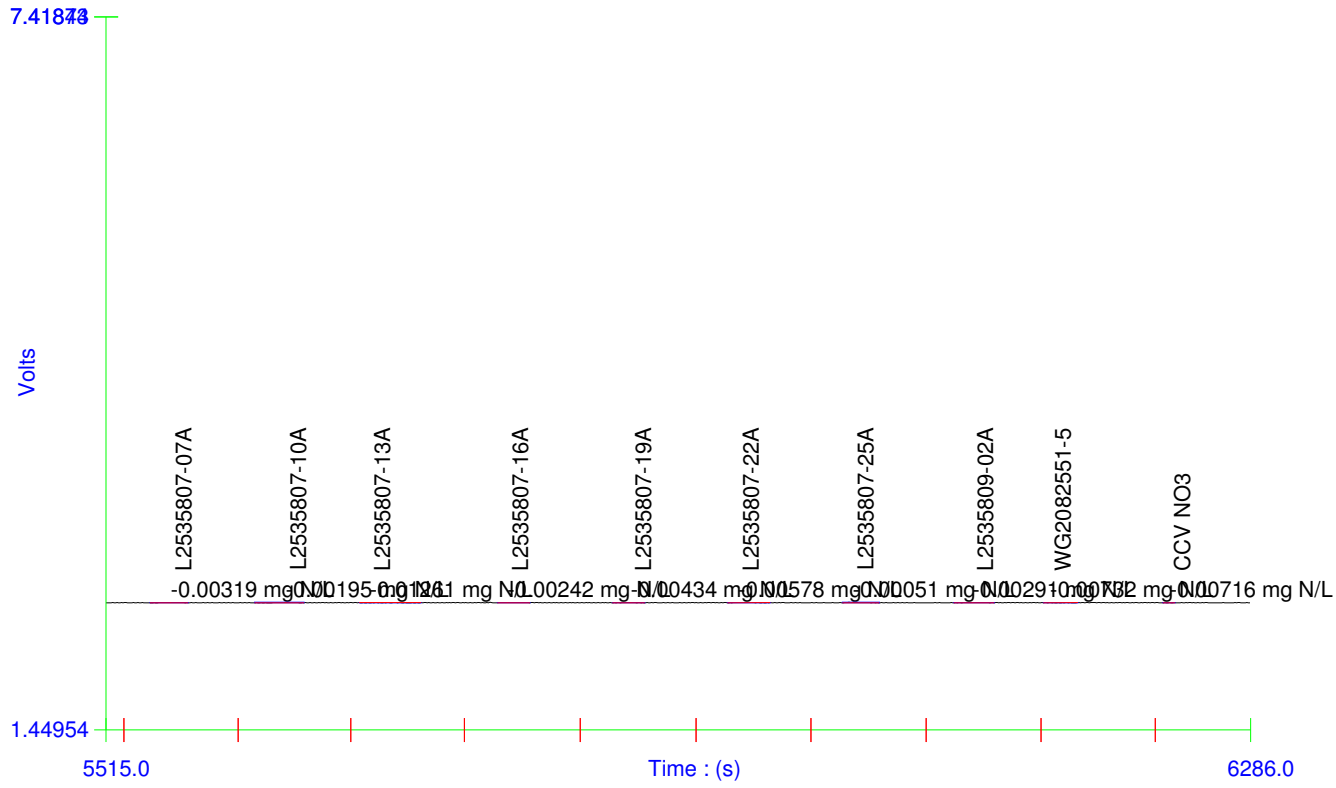


Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 7 / 11

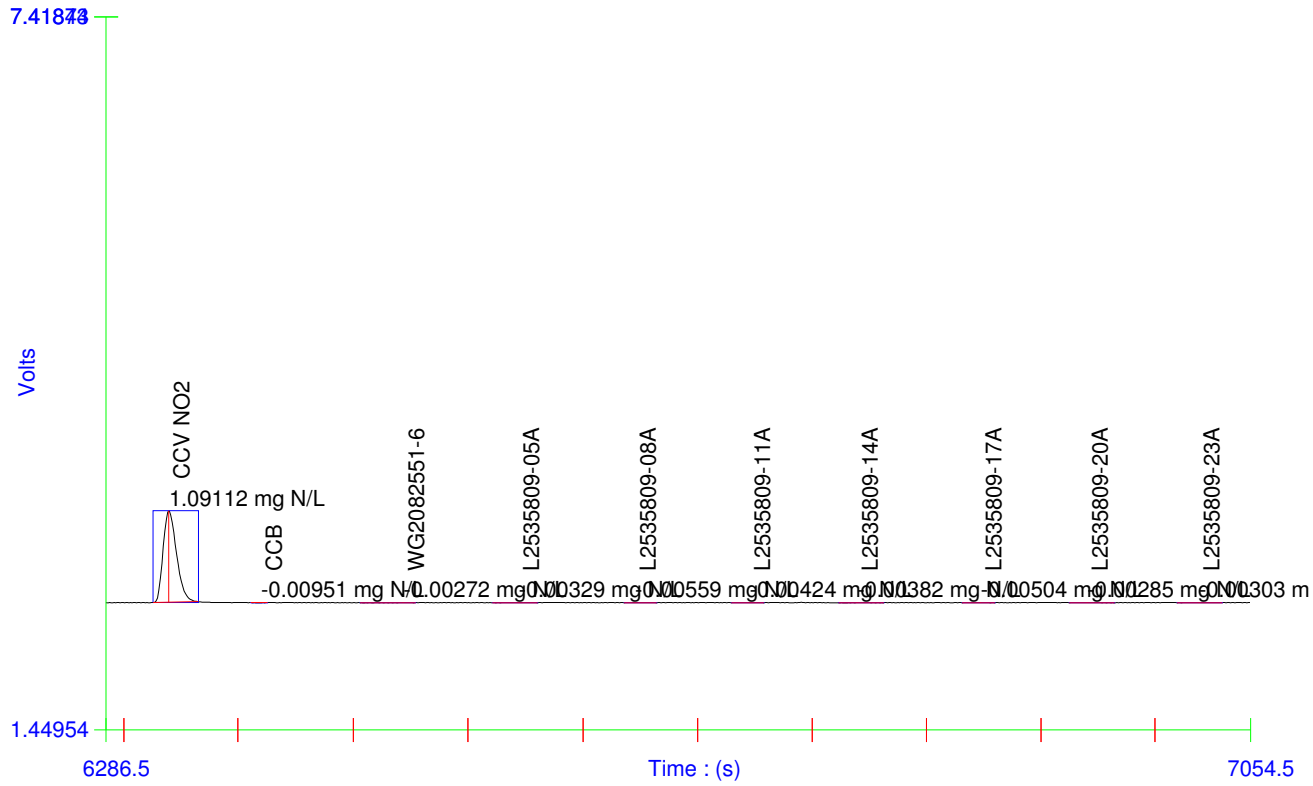


Channel 2 (NO2) - Set: 8 / 11



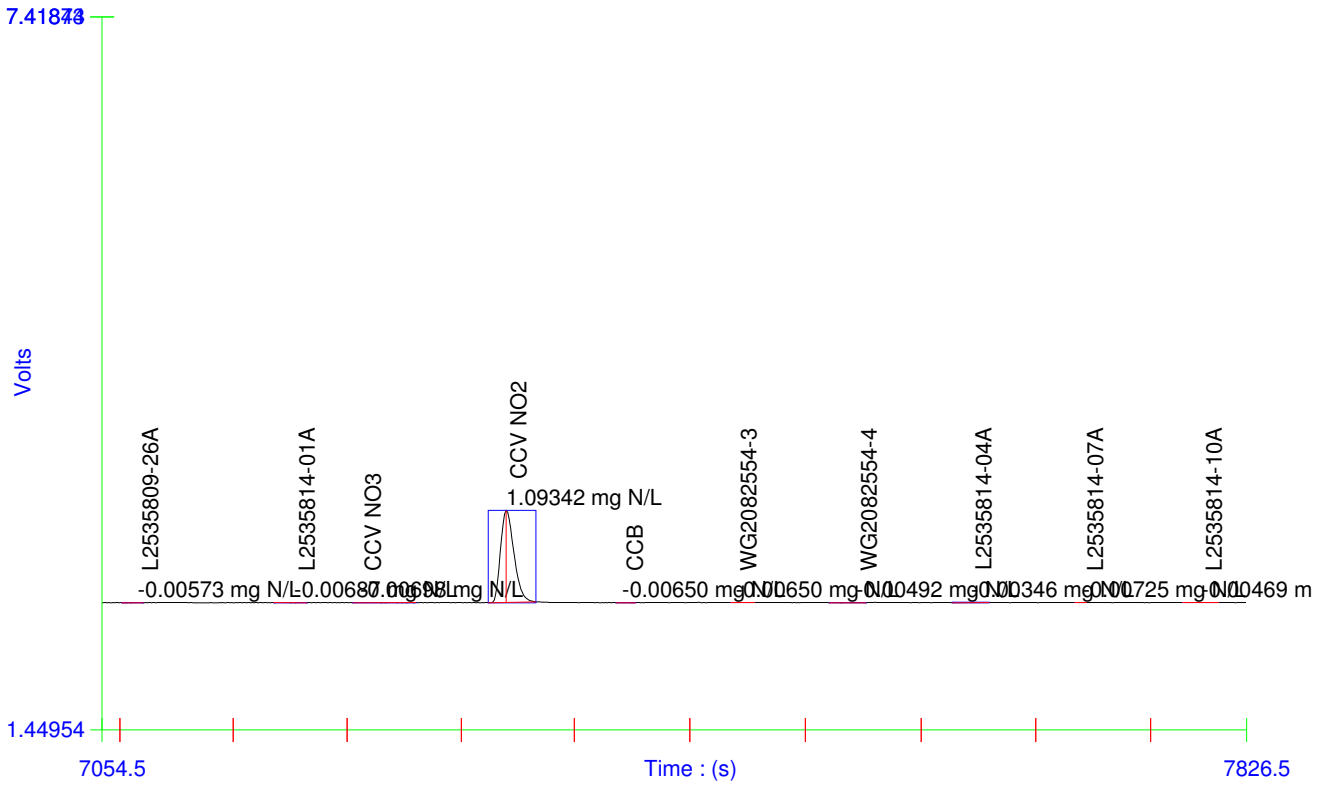
Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 9 / 11



Author: KAF TRAY 1 Date : 250624-1

Channel 2 (NO2) - Set: 10 / 11



Channel 2 (NO2) - Set: 11 / 11

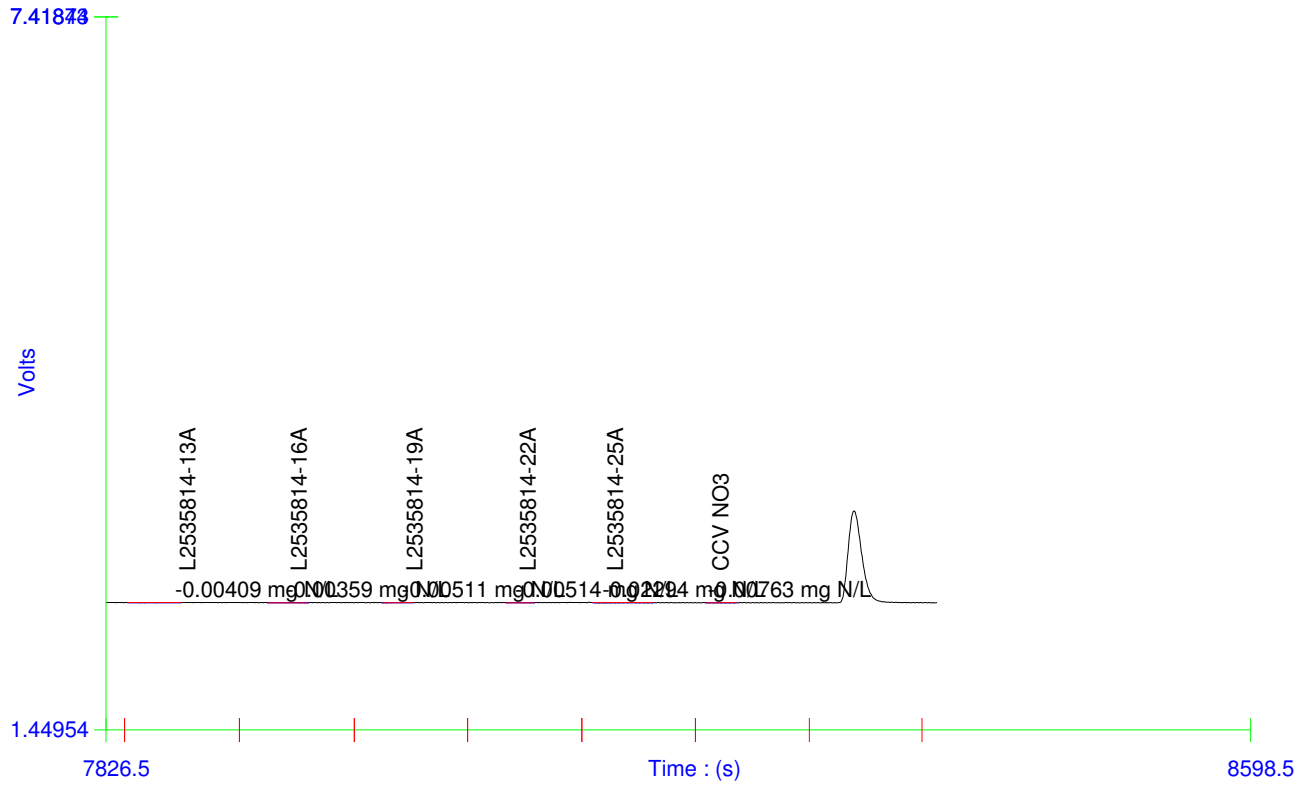


Table : 1 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	17.05279	1.74316	0.0	2.1	7.82037	6/24/2025	3:45:11 AM
2	4.00000	1	8.92973	0.93606	0.0	-2.4	4.09215	6/24/2025	3:46:30 AM
3	1.00000	1	2.28158	0.23747	0.0	-4.2	1.04087	6/24/2025	3:47:47 AM
4	0.40000	1	0.91807	0.09601	0.0	-3.8	0.41507	6/24/2025	3:49:05 AM
5	0.20000	1	0.47361	0.04833	0.0	-5.4	0.21107	6/24/2025	3:50:23 AM
6	0.10000	1	0.24658	0.02501	0.0	-6.3	0.10687	6/24/2025	3:51:42 AM
7	0.00000	1	-0.03055	-0.00210			-0.02032	6/24/2025	3:52:58 AM

Figure : 1 (NO3+NO2)

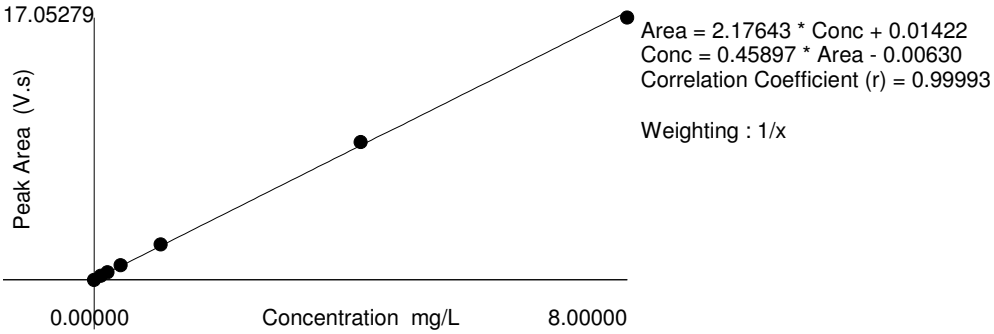
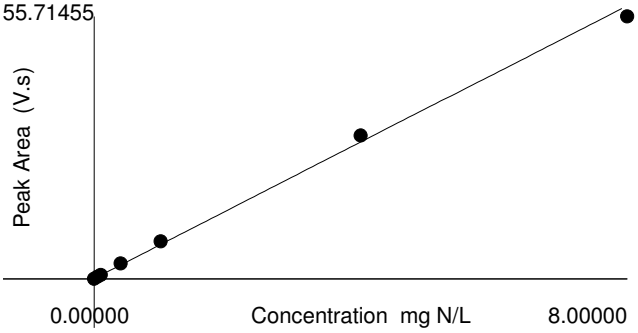


Table : 2 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	55.71455	4.88287	0.0	3.9	7.66443	6/24/2025	3:54:15 AM
2	4.00000	1	30.36440	2.85931	0.0	-4.6	4.17352	6/24/2025	3:55:33 AM
3	1.00000	1	7.95554	0.75748	0.0	-9.0	1.08765	6/24/2025	3:56:50 AM
4	0.40000	1	3.22590	0.30612	0.0	-9.1	0.43634	6/24/2025	3:58:07 AM
5	0.10000	1	0.81741	0.07579	0.0	-4.3	0.10468	6/24/2025	3:59:25 AM
6	0.05000	1	0.41000	0.03783	0.0	2.7	0.04857	6/24/2025	4:00:44 AM
7	0.00000	1	-0.01468	-0.00102			-0.00991	6/24/2025	4:02:01 AM

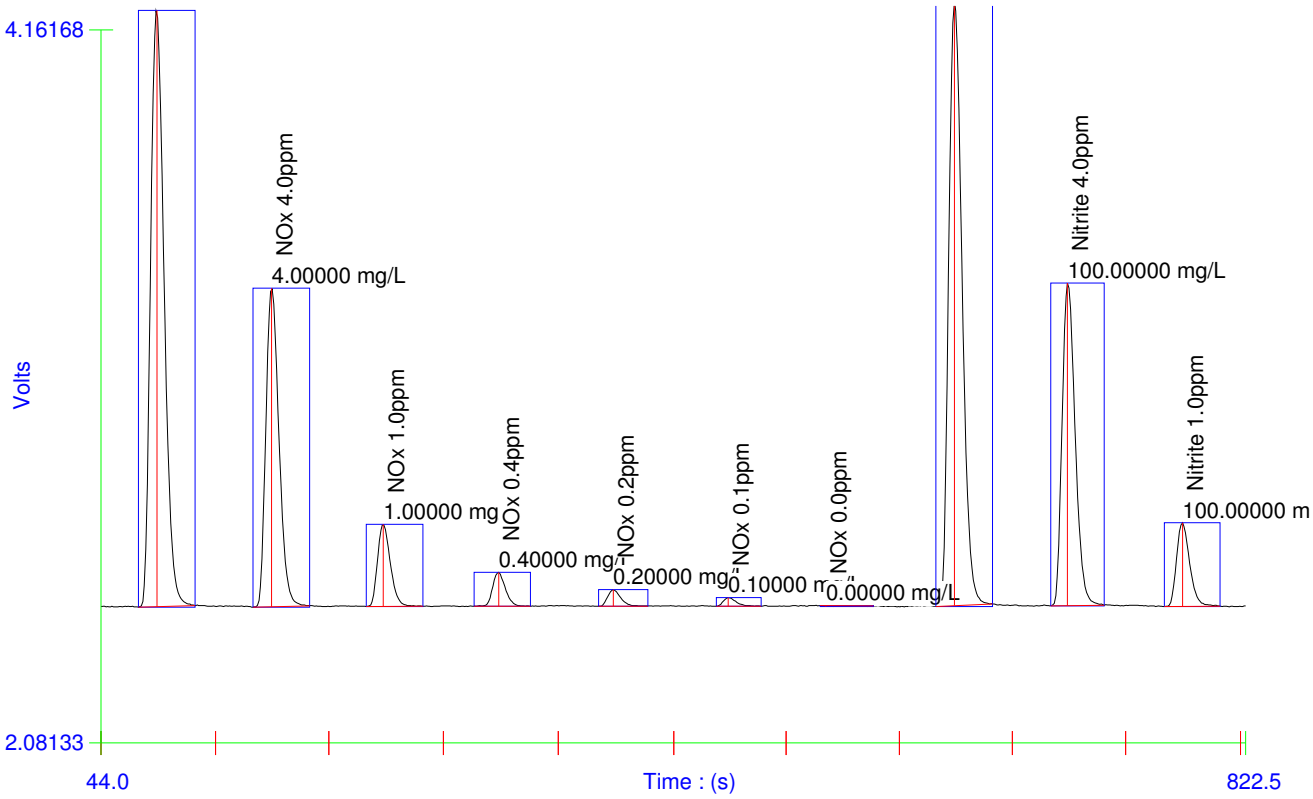
Figure : 2 (Nitrite)



Original Run Filename: OM_6-24-2025_06-06-28AM.OMN Created: 6/24/2025 6:06:28 AM
Original Run Author's Signature: [A1wetcheminstrument]
Current Run Filename: OM_6-24-2025_06-06-28AM.OMN Last Modified: 6/24/2025 7:02:31 AM
Current Run Author's Signature: [A1wetcheminstrument]
Description: Default New Run

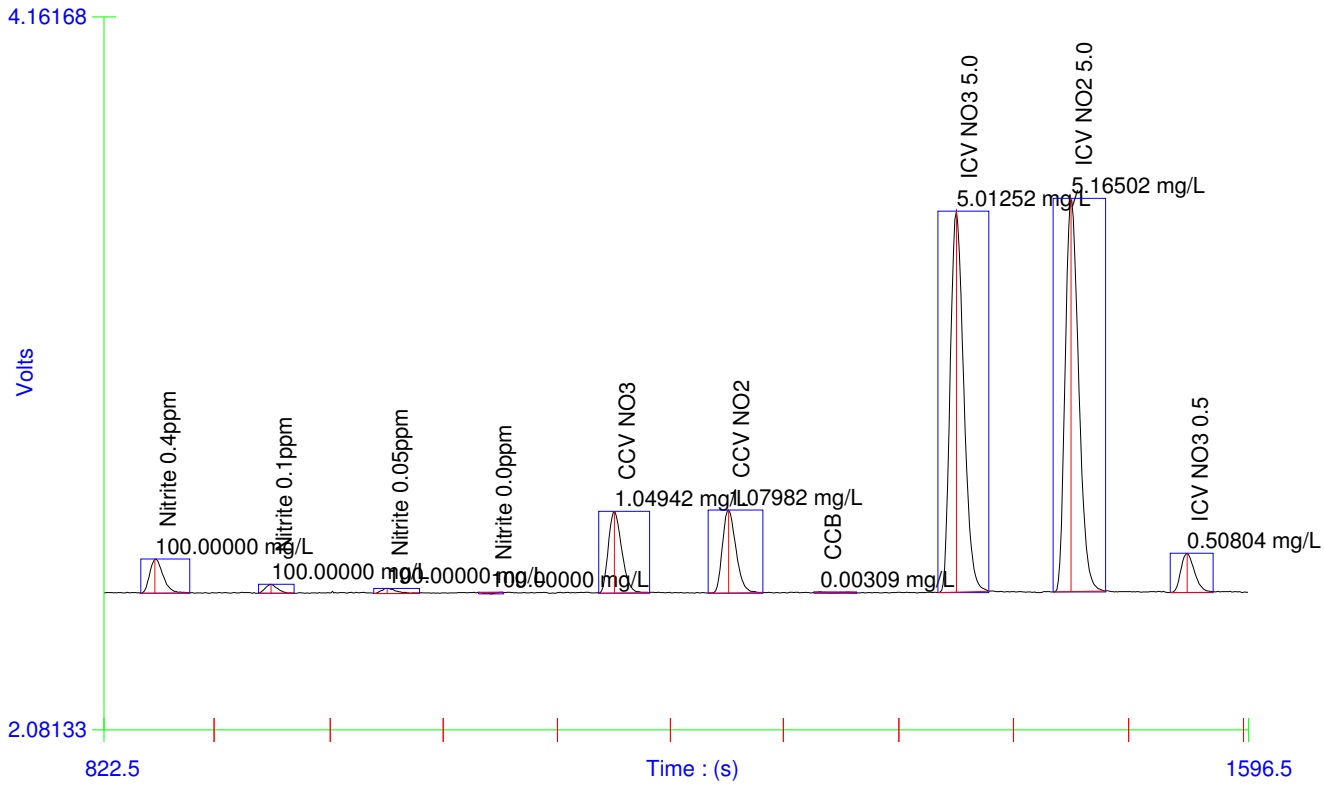
Sample	Rep.	Cup No.	Channel 1 NO3+NO2 (mg/L)	Channel 2 Nitrite (mg N/L)	ADF	MDF	Weight
NOx 8.0ppm	1	S3	8.00000	100.00000			
NOx 4.0ppm	1	S4	4.00000	100.00000			
NOx 1.0ppm	1	S2	1.00000	100.00000			
NOx 0.4ppm	1	S5	0.40000	100.00000			
NOx 0.2ppm	1	S6	0.20000	100.00000			
NOx 0.1ppm	1	S7	0.10000	100.00000			
NOx 0.0ppm	1	S1	0.00000	100.00000			
Nitrite 8.0ppm	1	S10	100.00000	8.00000			
Nitrite 4.0ppm	1	S11	100.00000	4.00000			
Nitrite 1.0ppm	1	S9	100.00000	1.00000			
Nitrite 0.4ppm	1	S12	100.00000	0.40000			
Nitrite 0.1ppm	1	S13	100.00000	0.10000			
Nitrite 0.05ppm	1	S14	100.00000	0.05000			
Nitrite 0.0ppm	1	S1	100.00000	0.00000			
CCV NO3	1	S2	1.04942	-0.00578			
	Known Conc:		1.00000	0.00000			
	Calibration:		Table/Fig. : 1	Table/Fig. : 2			
CCV NO2	1	S9	1.07982	1.07572			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	0.00309	-0.01047			
	Known Conc:		0.00000	0.00000			
ICV NO3 5.0	1	1	5.01252	-0.00906			
ICV NO2 5.0	1	2	5.16502	5.18993			
ICV NO3 0.5	1	3	0.50804	-0.00763			
ICV NO2 0.5	1	4	0.52724	0.53264			
ICB	1	5	-0.03977	-0.01056			
DILUTER CHECK 8PPM	1	6	8.64439	-0.04800	5.00		
WG2082554-3	1	61	0.50437	-0.00463			
WG2082554-4	1	62	4.54316	-0.07208			
L2535814-04A	1	63	0.68353	-0.00266			
L2535814-07A	1	64	0.15335	-0.00448			
CCV NO3	1	S2	1.08935	-0.00858			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.11290	1.08310			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.02135	-0.00637			
	Known Conc:		0.00000	0.00000			
L2535814-10A	1	65	0.17421	-0.01373			
L2535814-13A	1	66	0.03314	-0.00464			
L2535814-16A	1	67	0.62116	-0.00818			
L2535814-19A	1	68	0.25892	-0.00396			
L2535814-22A	1	69	0.45276	-0.00530			
L2535814-25A	1	70	0.07310	-0.00485			
L2535819-02A	1	71	0.26774	-0.00511			
WG2082554-5	1	72	0.26915	-0.00862			
WG2082554-6	1	73	4.43710	-0.00618			
L2535819-05A	1	74	0.24261	-0.00429			
CCV NO3	1	S2	1.14878	-0.00745			
	Known Conc:		1.00000	0.00000			

Channel 1 (NO3+NO2) - Set: 1 / 5



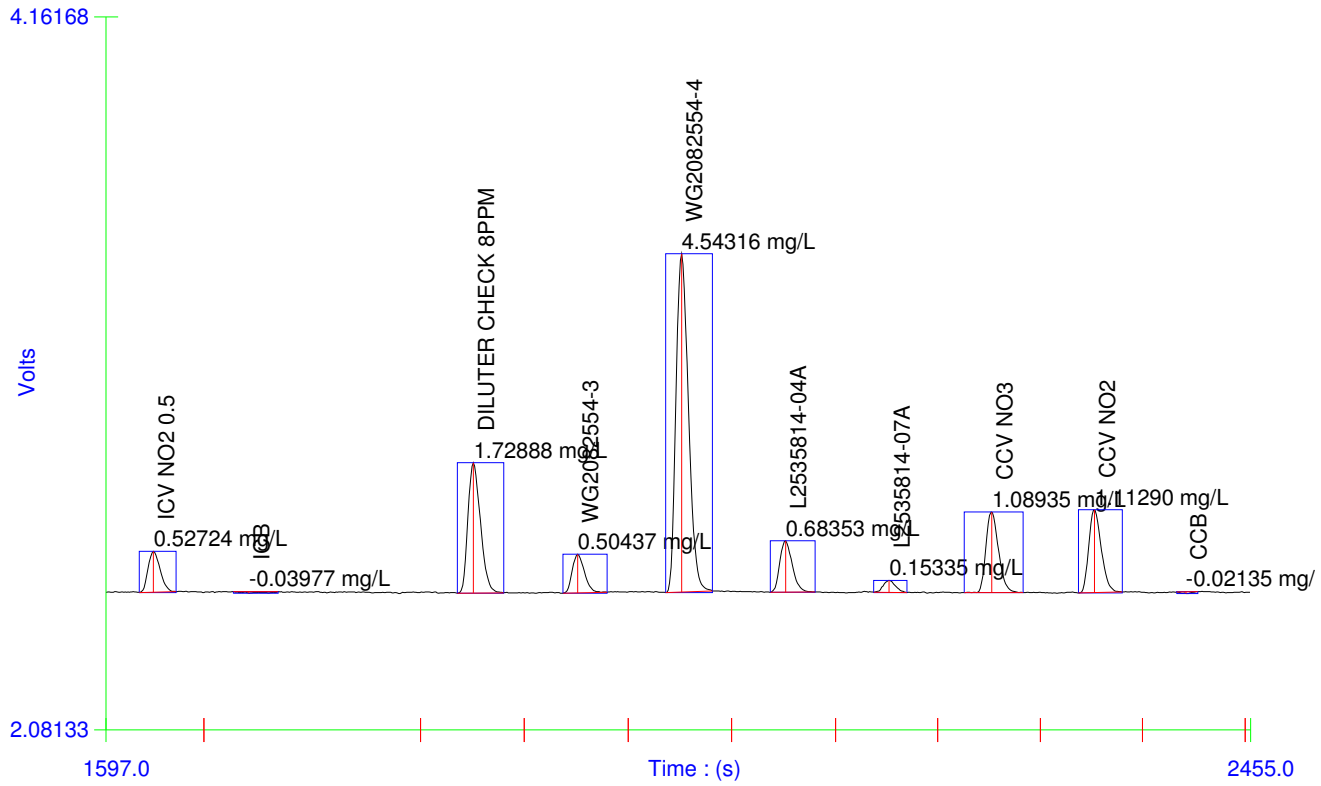
Author: KAF TRAY 2 Date : 250624-2

Channel 1 (NO3+NO2) - Set: 2 / 5



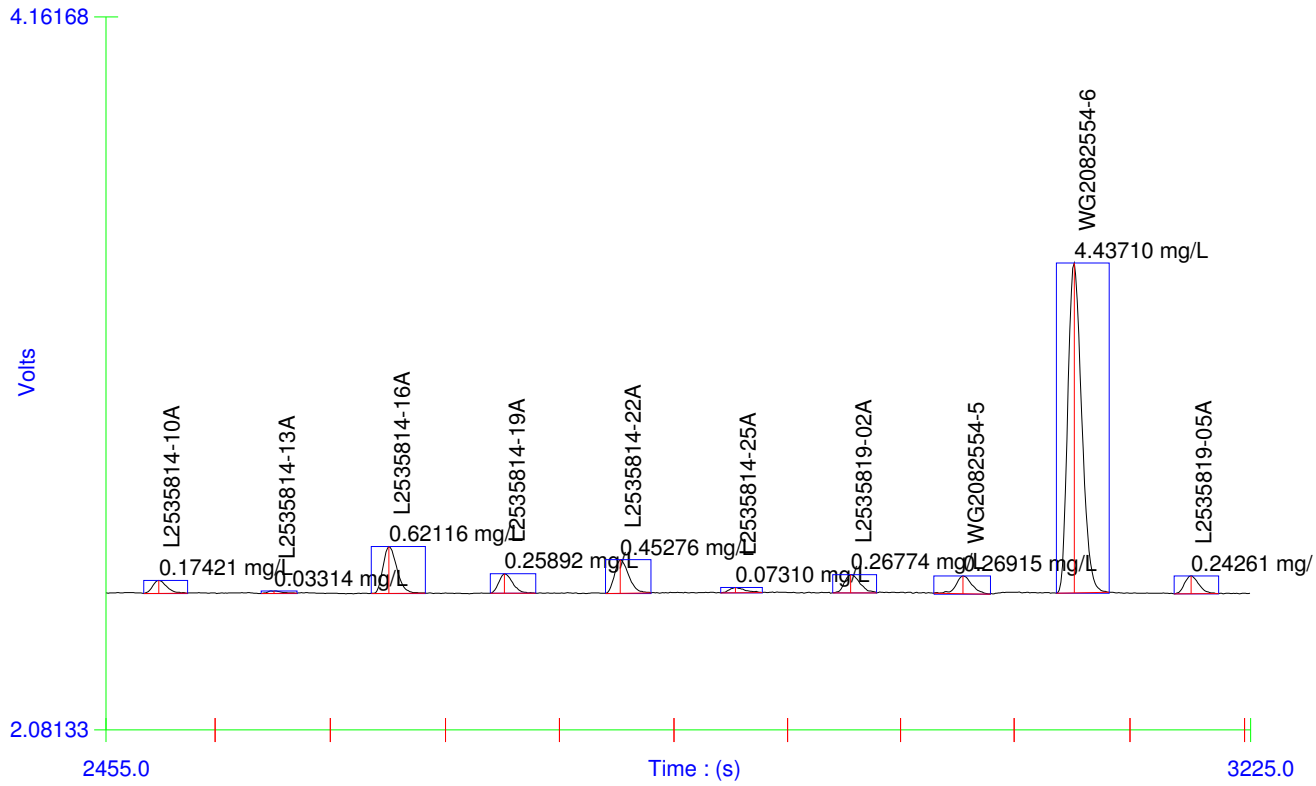
Author: KAF TRAY 2 Date : 250624-2

Channel 1 (NO3+NO2) - Set: 3 / 5



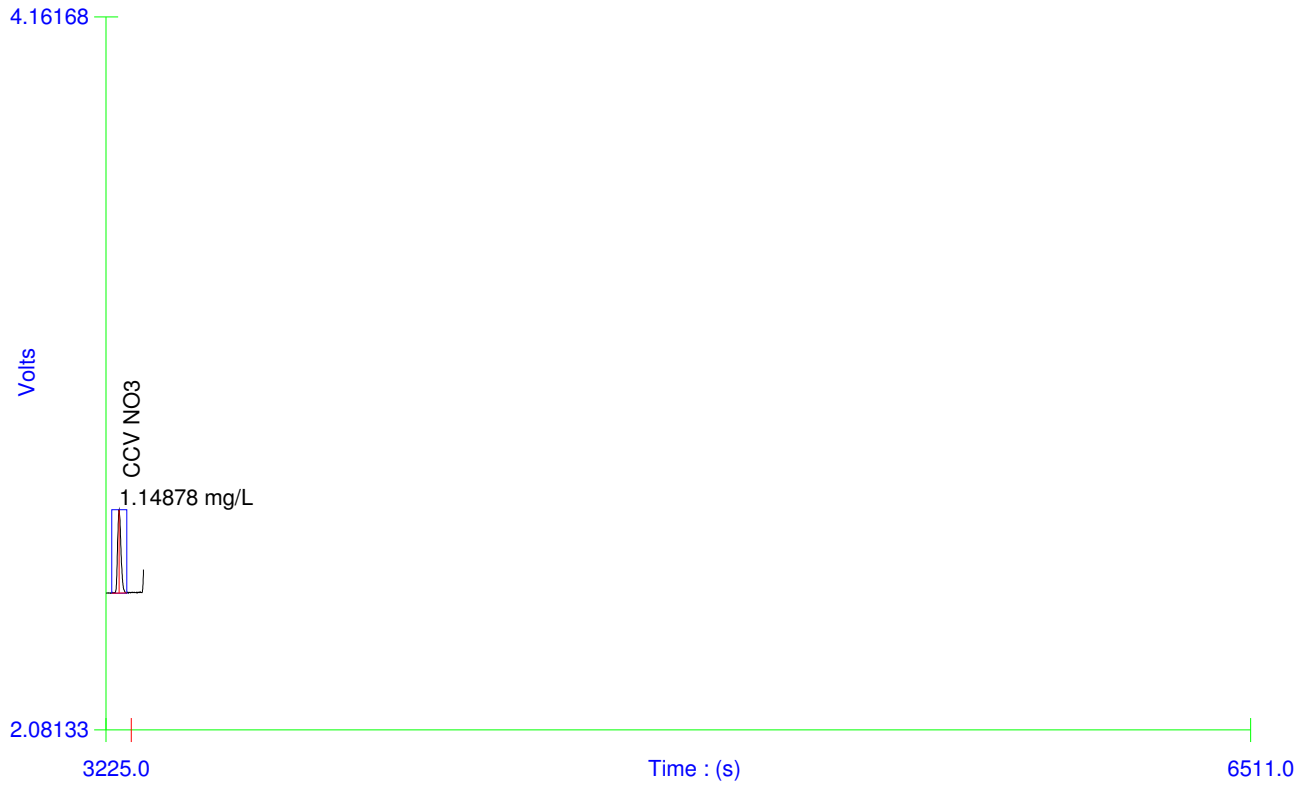
Author: KAF TRAY 2 Date : 250624-2

Channel 1 (NO3+NO2) - Set: 4 / 5

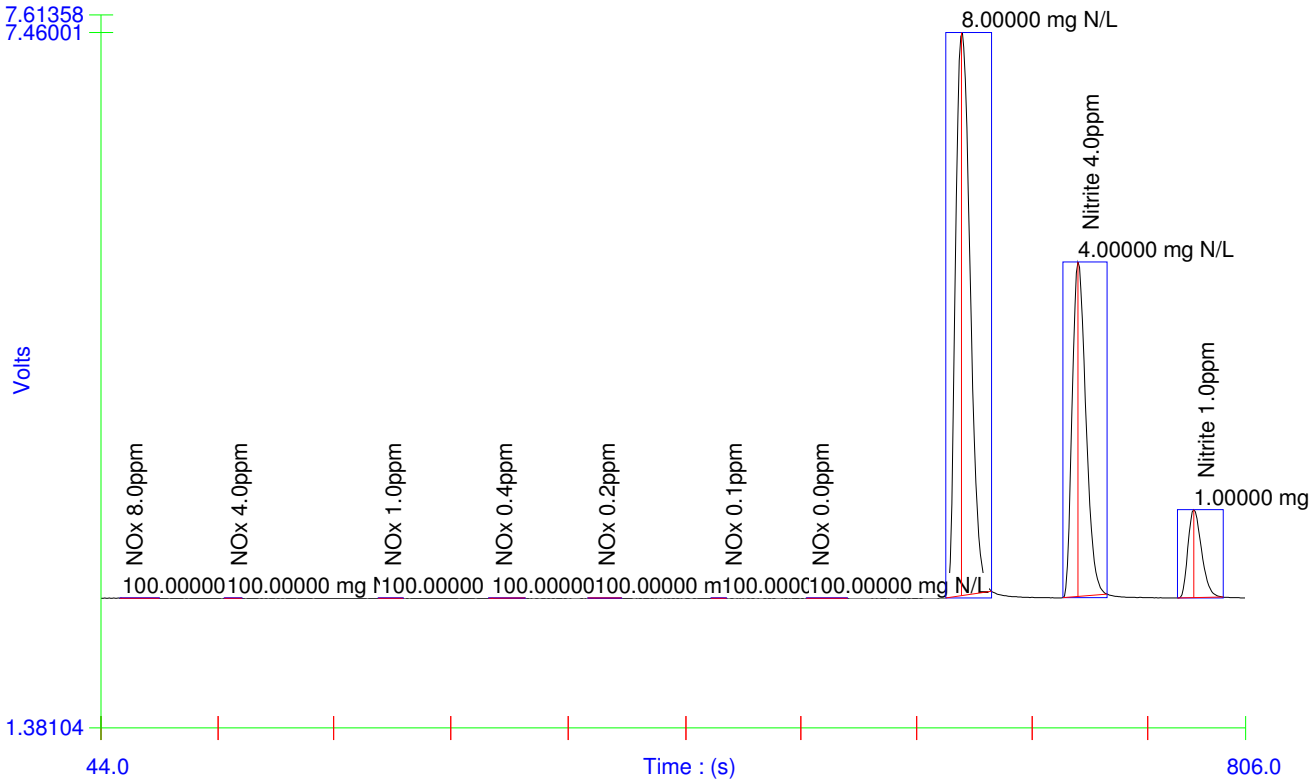


Author: KAF TRAY 2 Date : 250624-2

Channel 1 (NO3+NO2) - Set: 5 / 5



Channel 2 (NO2) - Set: 1 / 5



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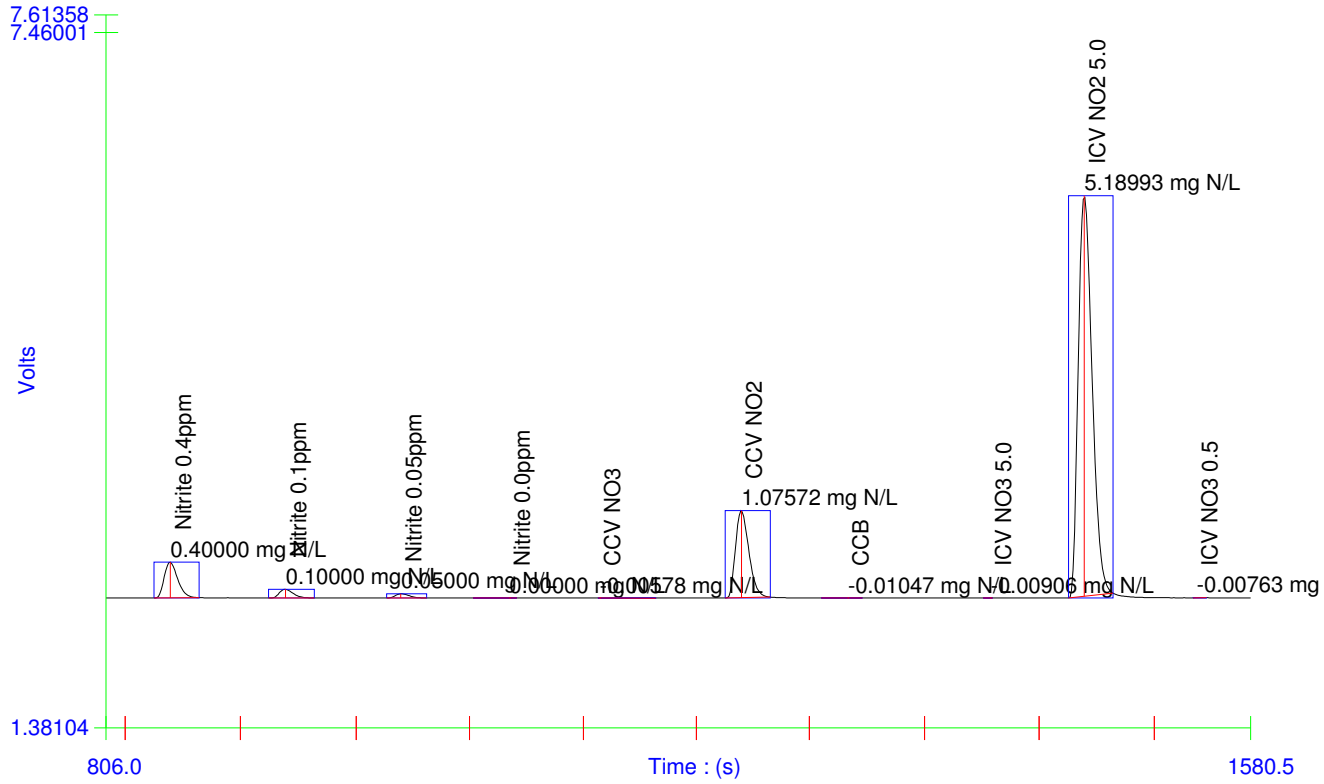
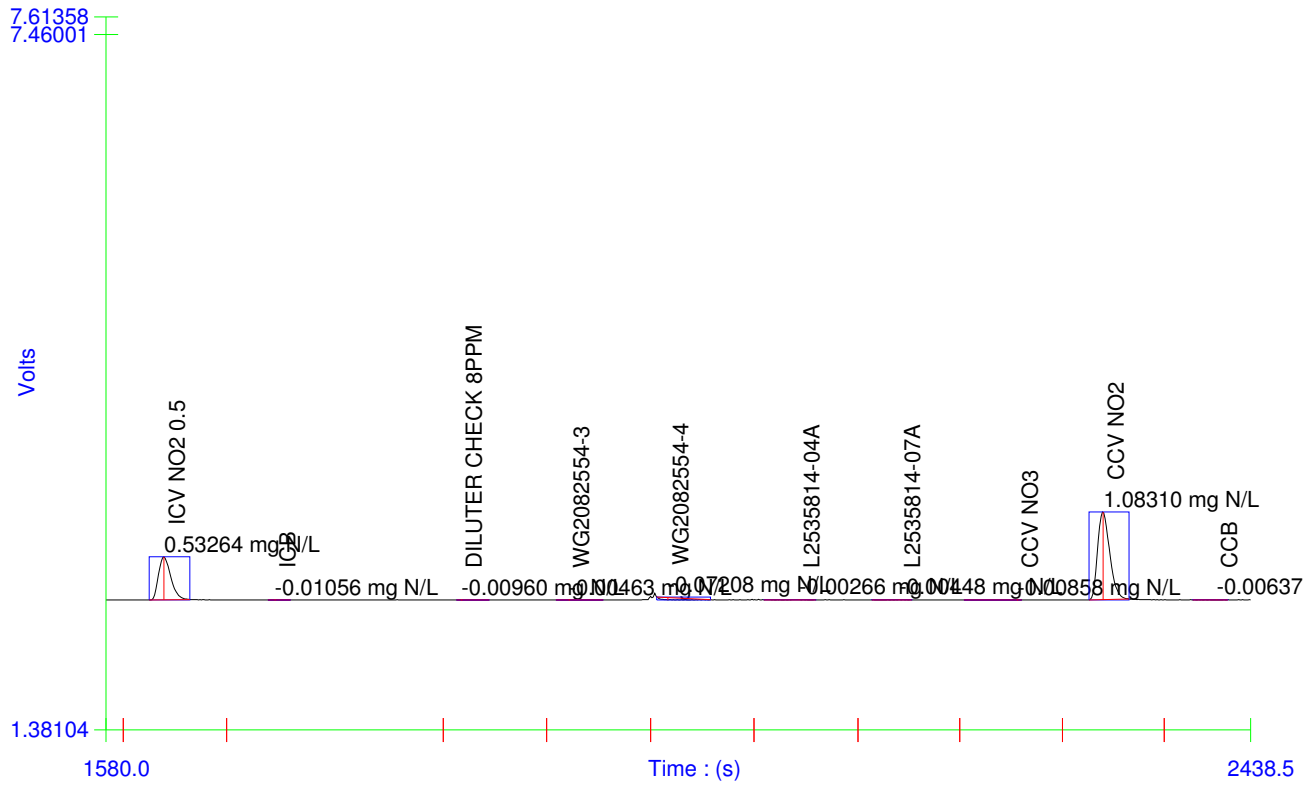
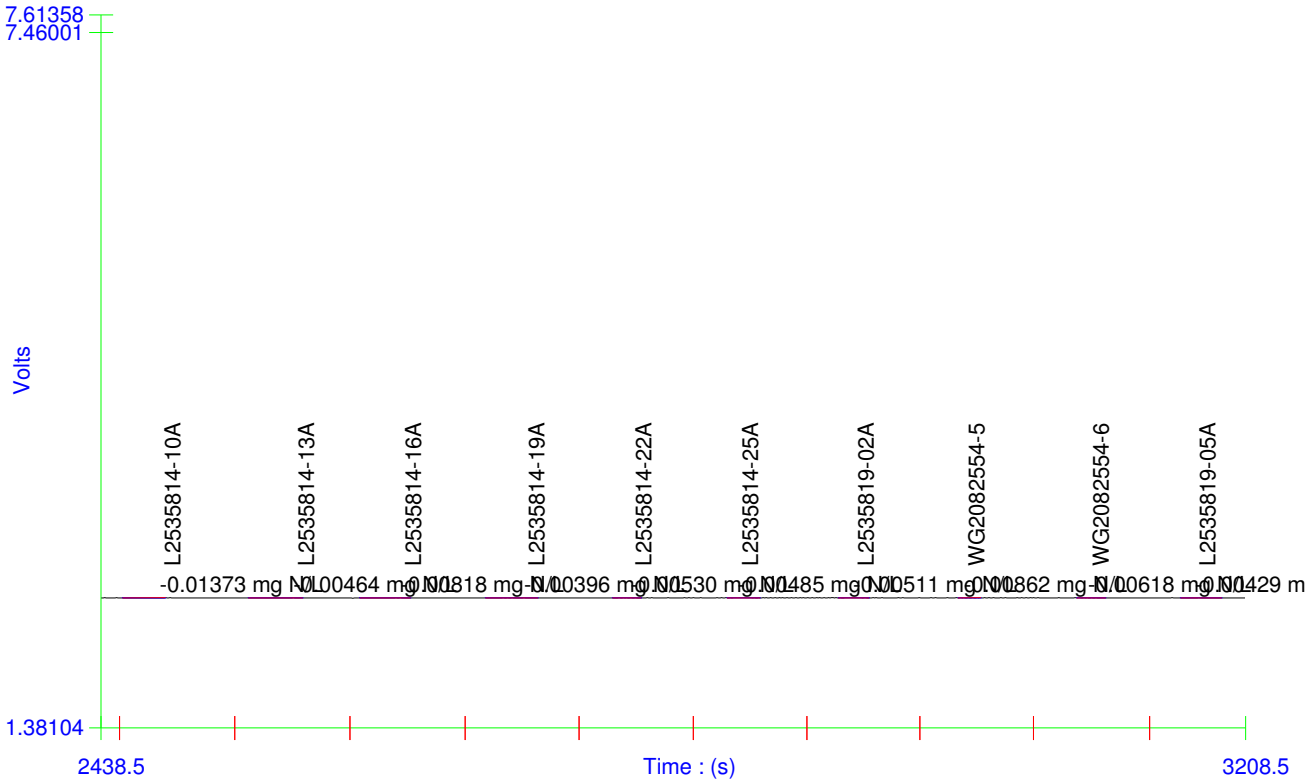
Channel 2 (NO2) - Set: 2 / 5



Channel 2 (NO2) - Set: 3 / 5



Channel 2 (NO2) - Set: 4 / 5



Channel 2 (NO2) - Set: 5 / 5

Table : 1 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	18.48942	1.73861	0.0	1.5	7.87254	6/24/2025	6:07:26 AM
2	4.00000	1	9.55489	0.92954	0.0	-1.7	4.06701	6/24/2025	6:08:45 AM
3	1.00000	1	2.40799	0.23964	0.0	-2.3	1.02290	6/24/2025	6:10:02 AM
4	0.40000	1	0.98193	0.09845	0.0	-3.9	0.41549	6/24/2025	6:11:20 AM
5	0.20000	1	0.49061	0.04825	0.0	-3.1	0.20622	6/24/2025	6:12:38 AM
6	0.10000	1	0.25953	0.02492	0.0	-7.5	0.10780	6/24/2025	6:13:57 AM
7	0.00000	1	-0.03383	-0.00234			-0.01716	6/24/2025	6:15:13 AM

Figure : 1 (NO3+NO2)

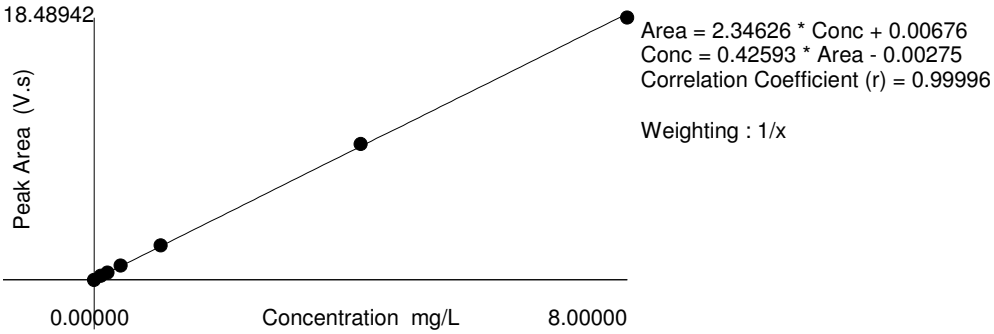
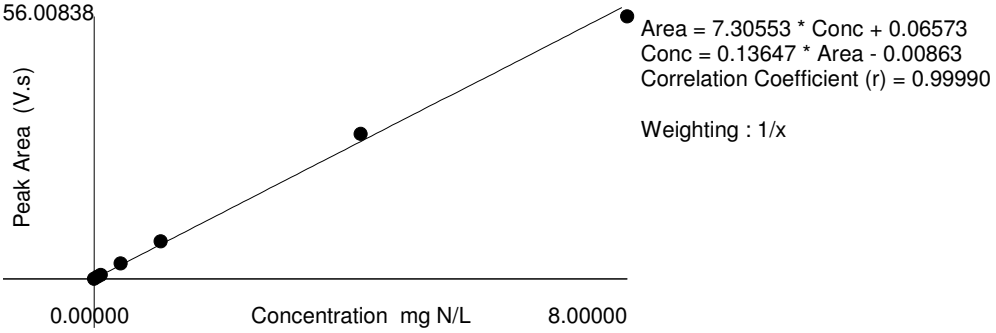


Table : 2 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	56.00838	4.92148	0.0	4.3	7.63466	6/24/2025	6:16:30 AM
2	4.00000	1	30.88760	2.92458	0.0	-5.5	4.20650	6/24/2025	6:17:48 AM
3	1.00000	1	7.99838	0.76829	0.0	-8.5	1.08288	6/24/2025	6:19:05 AM
4	0.40000	1	3.27850	0.31188	0.0	-9.7	0.43877	6/24/2025	6:20:23 AM
5	0.10000	1	0.81026	0.07621	0.0	-1.8	0.10194	6/24/2025	6:21:41 AM
6	0.05000	1	0.40120	0.03808	0.0	6.9	0.04612	6/24/2025	6:23:00 AM
7	0.00000	1	0.01652	0.00118			-0.00638	6/24/2025	6:24:17 AM

Figure : 2 (Nitrite)



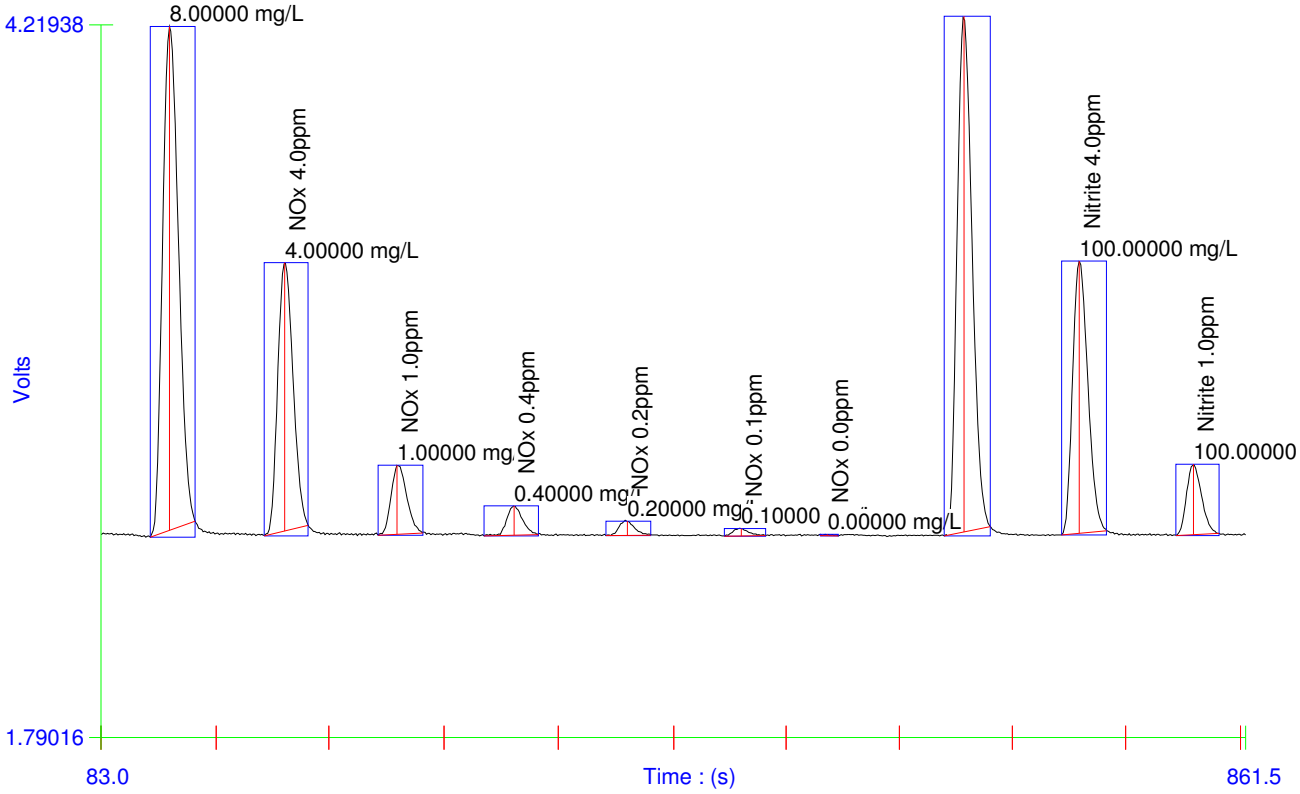
Original Run Filename: OM_6-24-2025_07-12-10AM.OMN Created: 6/24/2025 7:12:10 AM
Original Run Author's Signature: [A1wetcheminstrument]
Current Run Filename: OM_6-24-2025_07-12-10AM.OMN Last Modified: 6/24/2025 9:33:23 AM
Current Run Author's Signature: [A1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 NO3+NO2 (mg/L)	Channel 2 Nitrite (mg N/L)	ADF	MDF	Weight
NOx 8.0ppm	1	S3	8.00000	100.00000			
NOx 4.0ppm	1	S4	4.00000	100.00000			
NOx 1.0ppm	1	S2	1.00000	100.00000			
NOx 0.4ppm	1	S5	0.40000	100.00000			
NOx 0.2ppm	1	S6	0.20000	100.00000			
NOx 0.1ppm	1	S7	0.10000	100.00000			
NOx 0.0ppm	1	S1	0.00000	100.00000			
Nitrite 8.0ppm	1	S10	100.00000	8.00000			
Nitrite 4.0ppm	1	S11	100.00000	4.00000			
Nitrite 1.0ppm	1	S9	100.00000	1.00000			
Nitrite 0.4ppm	1	S12	100.00000	0.40000			
Nitrite 0.1ppm	1	S13	100.00000	0.10000			
Nitrite 0.05ppm	1	S14	100.00000	0.05000			
Nitrite 0.0ppm	1	S1	100.00000	0.00000			
CCV NO3	1	S2	1.01516	-0.01844			
	Known Conc:		1.00000	0.00000			
	Calibration:		Table/Fig. : 1	Table/Fig. : 2			
CCV NO2	1	S9	1.03067	1.08183			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	0.00942	-0.00678			
	Known Conc:		0.00000	0.00000			
ICV NO3 5.0	1	1	4.81002	-0.00905			
ICV NO2 5.0	1	2	4.96263	5.16957			
ICV NO3 0.5	1	3	0.48126	-0.01234			
ICV NO2 0.5	1	4	0.47907	0.53652			
ICB	1	5	-0.04792	-0.00842			
DILUTER CHECK 8PPM	1	6	8.16491	-0.03362	5.00		
L2535814-10A	1	65	0.14981	-0.00647			
L2535814-13A	1	66	0.01385	-0.00709			
L2535814-16A	1	67	0.61189	-0.00677			
L2535814-19A	1	68	0.29681	-0.00515			
CCV NO3	1	S2	0.98949	-0.00853			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.01051	1.07832			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.01721	-0.00160			
	Known Conc:		0.00000	0.00000			
L2535814-22A	1	69	0.39108	-0.00698			
L2535814-25A	1	70	0.08823	-0.01119			
L2535819-02A	1	71	0.22163	-0.00415			
WG2082554-5	1	72	0.19332	-0.00662			
WG2082554-6	1	73	3.99061	-0.00513			
L2535819-05A	1	74	0.20336	-0.00948			
L2535819-08A	1	75	0.03550	-0.02119			
L2535819-11A	1	76	0.26030	-0.00435			
L2535819-14A	1	77	0.12008	-0.00378			
L2535819-17A	1	78	1.28693	-0.01199			
CCV NO3	1	S2	1.02836	-0.00393			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.03937	1.08321			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	0.00230	-0.00979			
	Known Conc:		0.00000	0.00000			
L2535819-20A	1	79	1.46112	-0.00088			
L2535819-23A	1	80	0.23123	-0.00491			
L2535819-26A	1	81	0.04590	-0.00477			
L2535820-02A	1	82	0.10189	-0.00909			
WG2082556-3	1	83	0.10098	-0.00518			
WG2082556-4	1	84	3.73853	-0.00564			

L2535820-05A	1	85	0.13427	-0.00313			
L2535820-08A	1	86	0.02266	-0.00521			
L2535820-11A	1	87	0.05685	-0.00437			
L2535820-14A	1	88	0.56056	-0.00572			
CCV NO3	1	S2	1.00057	-0.00725			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.01340	1.09185			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.00187	-0.00829			
	Known Conc:		0.00000	0.00000			
L2535820-17A	1	89	0.26707	-0.00351			
L2535820-20A	1	90	0.09901	-0.00612			
L2535820-23A	1	91	0.14170	-0.00537			
L2535820-26A	1	92	0.15653	-0.00862			
L2535822-01A	1	93	0.11890	-0.00673			
WG2082556-5	1	94	0.10025	-0.00895			
WG2082556-6	1	95	3.81992	-0.00502			
L2535822-04A	1	96	0.63139	-0.00541			
L2535822-07A	1	97	0.09519	-0.00577			
L2535822-10A	1	98	0.09518	-0.00268			
CCV NO3	1	S2	1.00208	-0.01085			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.02313	1.08673			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.03209	-0.00540			
	Known Conc:		0.00000	0.00000			
L2535822-13A	1	99	0.02374	-0.00484			
L2535822-16A	1	100	0.68246	-0.00185			
L2535822-19A	1	101	0.85525	-0.00600			
L2535822-22A	1	102	0.91154	-0.00533			
L2539470-01H	1	103	1.38682	0.00319			
L2539470-02D	1	104	0.08872	0.00158			
L2539470-03H	1	105	1.42345	0.00208			
L2536247-01O	1	106	0.25448	-0.00584			
L2536247-02O	1	107	1.49394	-0.00685			
L2536247-03O	1	108	0.30873	-0.00688			
CCV NO3	1	S2	0.99274	-0.00487			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.00311	1.09671			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.00992	-0.01511			
	Known Conc:		0.00000	0.00000			
L2536247-04O	1	109	0.47529	-0.00734			
L2536247-05O	1	110	1.65162	-0.00673			
L2536247-06O	1	111	2.28523	-0.00730			
L2536247-07O	1	112	4.89972	-0.00971			
L2536247-08O	1	113	0.03763	-0.00698			
L2536247-09O	1	114	3.05985	-0.00609			
L2536247-10O	1	115	0.19099	-0.00709			
L2536247-11O	1	116	0.51092	-0.00667			
L2536247-12O1	1	117	2.27267	-0.00902			
WG2082549-3	1	118	2.24320	-0.00927			
CCV NO3	1	S2	0.98607	-0.00816			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.00046	1.09488			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	0.00692	-0.00856			
	Known Conc:		0.00000	0.00000			
WG2082549-4	1	119	5.91662	-0.00727			
L2536247-13O	1	120	0.18483	-0.01016			
L2536247-14O	1	121	0.14198	-0.00804			
L2536247-15O	1	122	0.05556	-0.01159			
L2536247-16O	1	123	0.48829	-0.00982			
L2536247-17O	1	124	0.25475	-0.00757			
L2536247-18O	1	125	0.20070	-0.00528			
L2536247-20O	1	126	0.48095	-0.00630			
CCV NO3	1	S2	0.99252	-0.00862			
	Known Conc:		1.00000	0.00000			

CCV NO2	1	S9	1.00661	1.07965			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.01786	-0.00593			
	Known Conc:		0.00000	0.00000			

Channel 1 (NO3+NO2) - Set: 1 / 11



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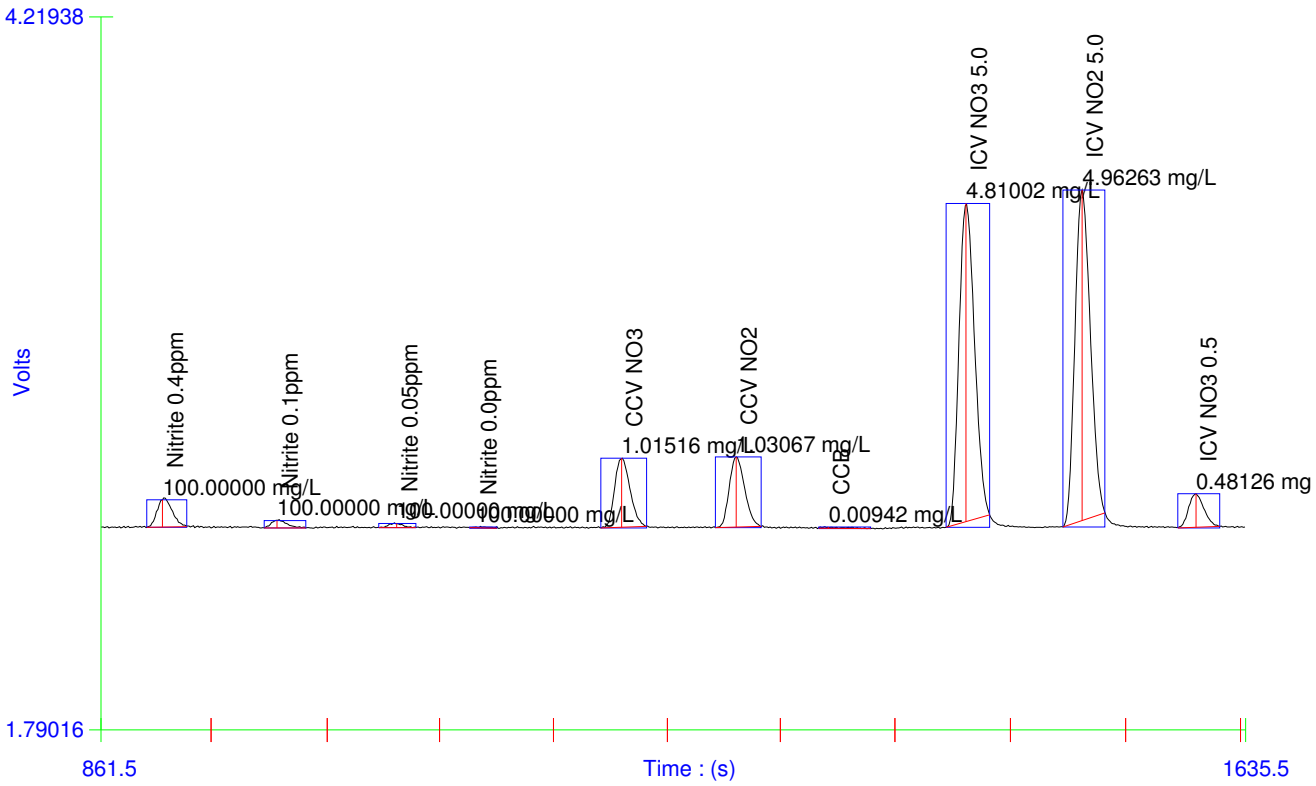
Channel 1 (NO3+NO2) - Set: 2 / 11



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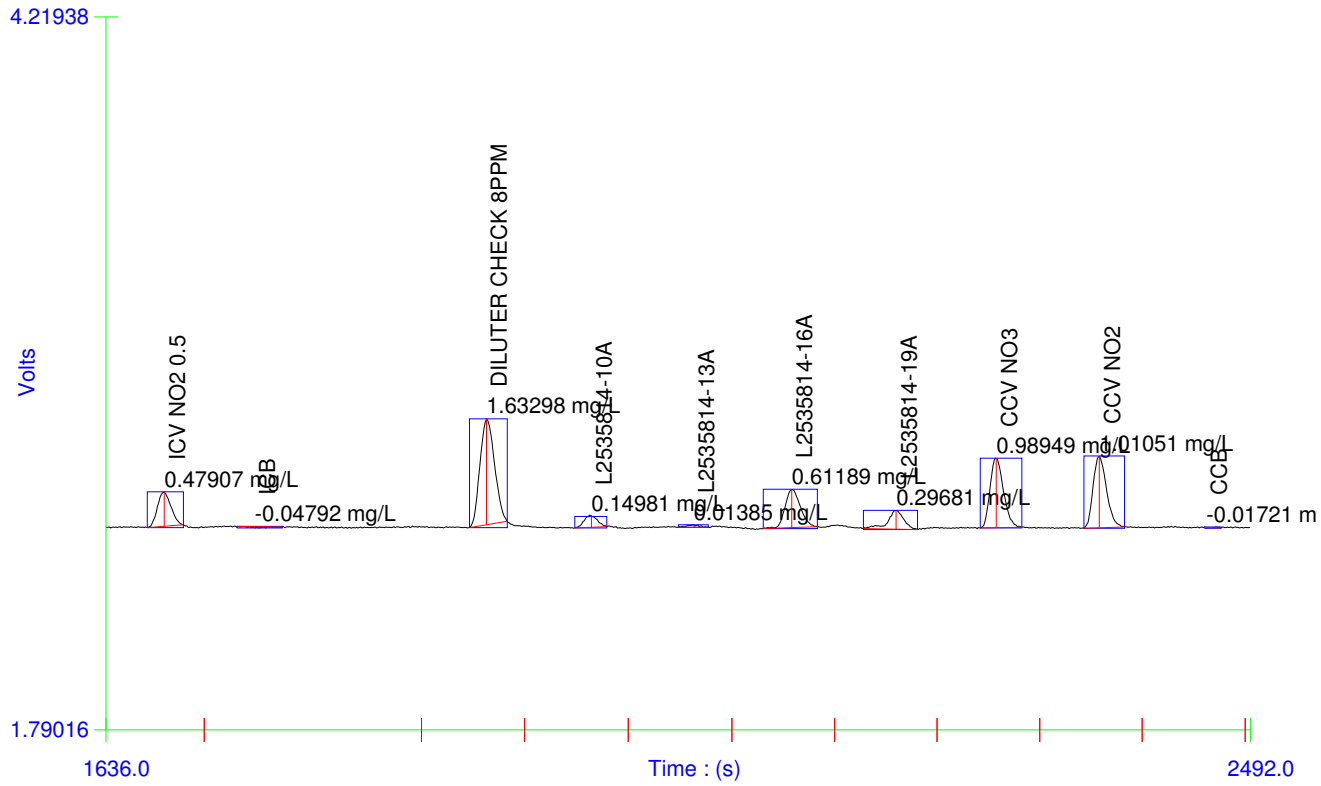
Channel 1 (NO3+NO2) - Set: 3 / 11



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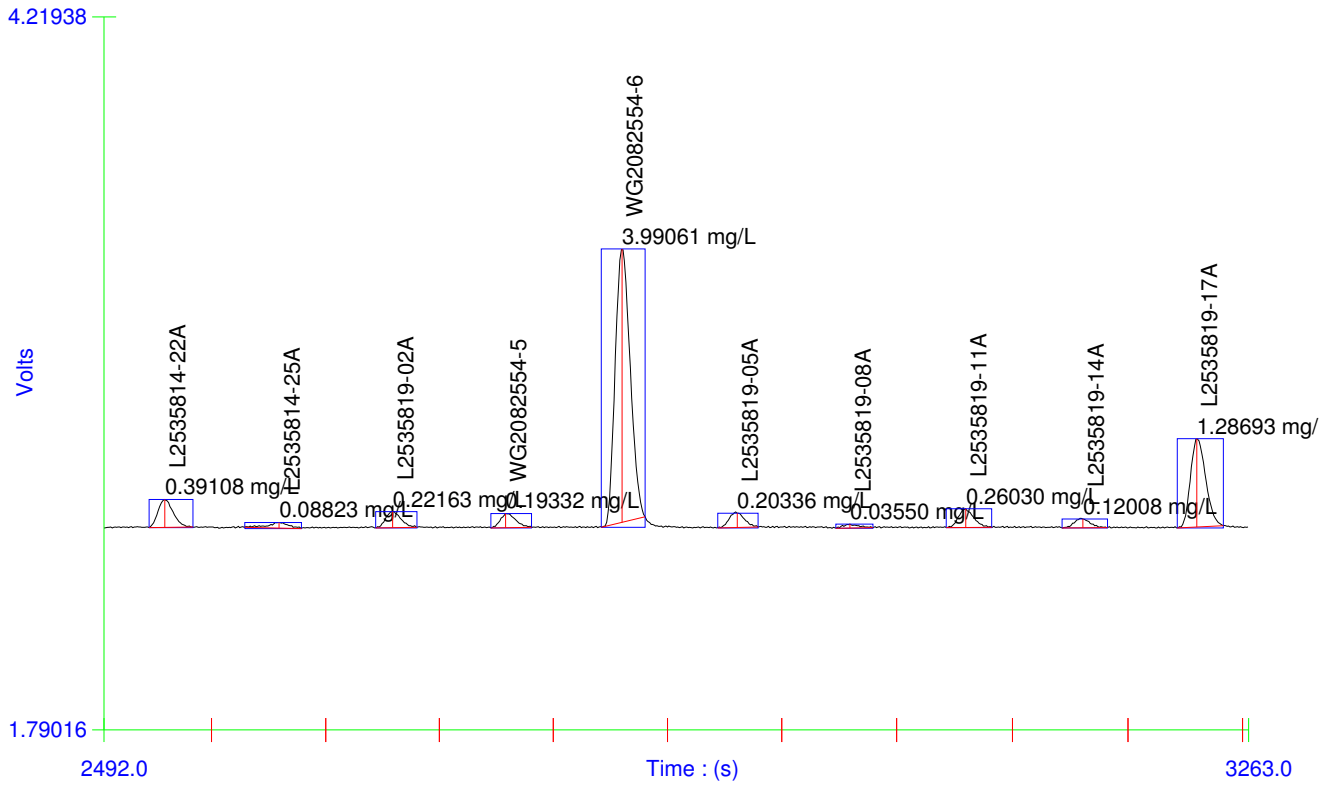
Channel 1 (NO3+NO2) - Set: 4 / 11



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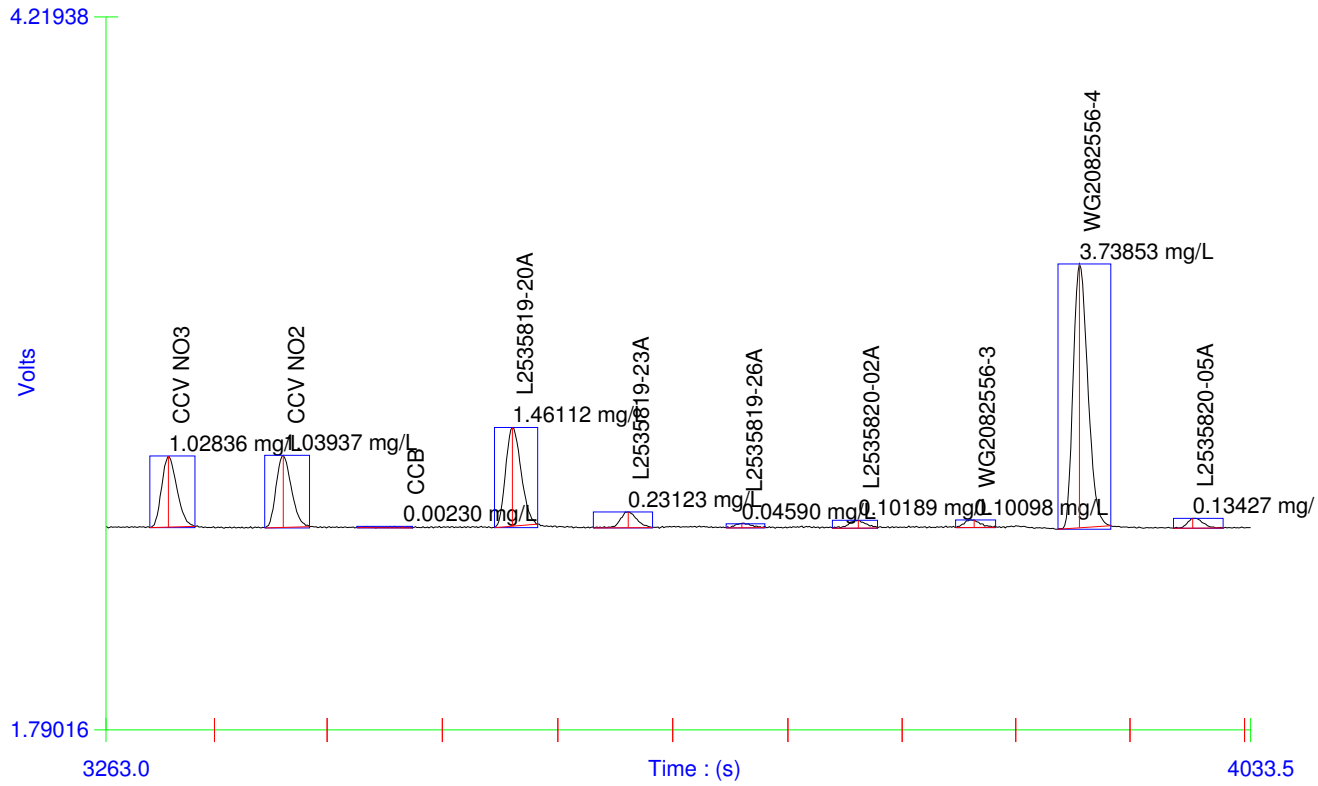
Channel 1 (NO3+NO2) - Set: 5 / 11



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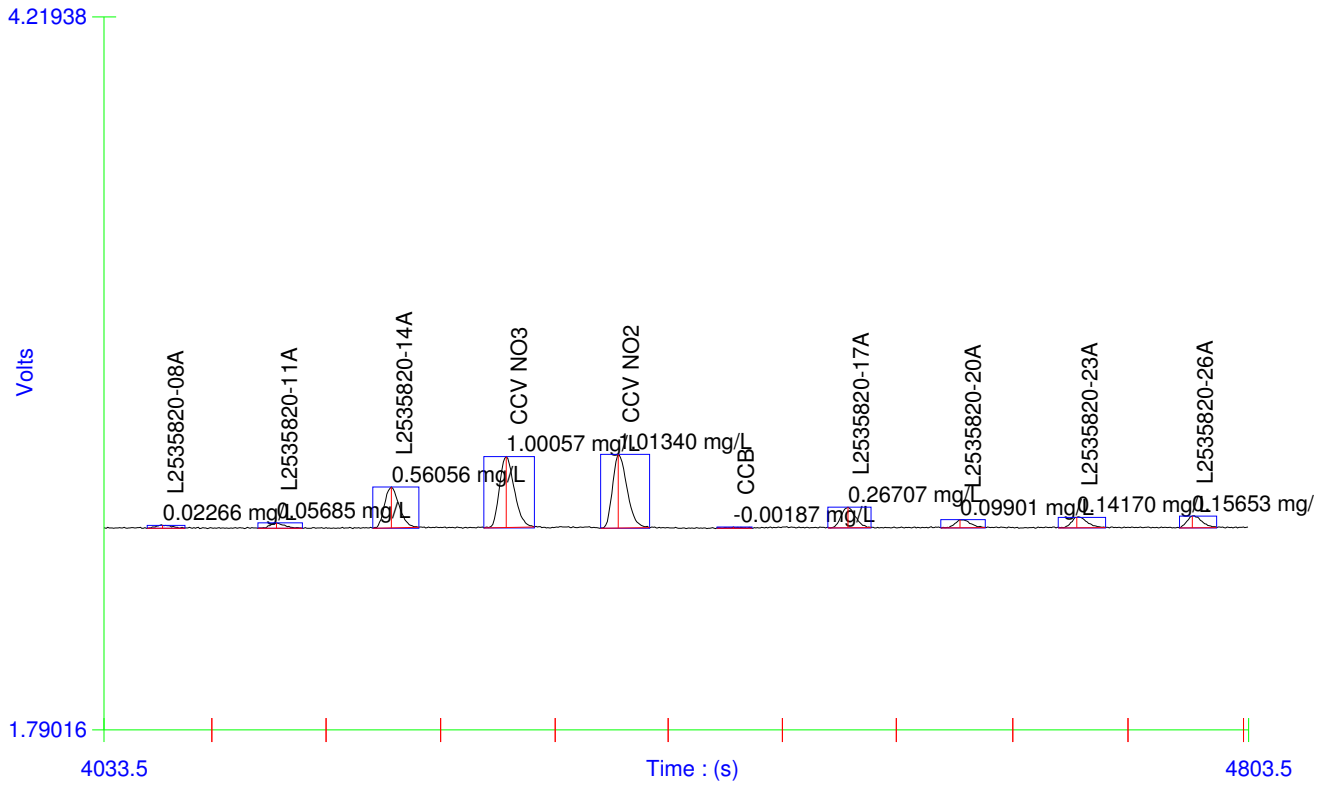
Channel 1 (NO3+NO2) - Set: 6 / 11



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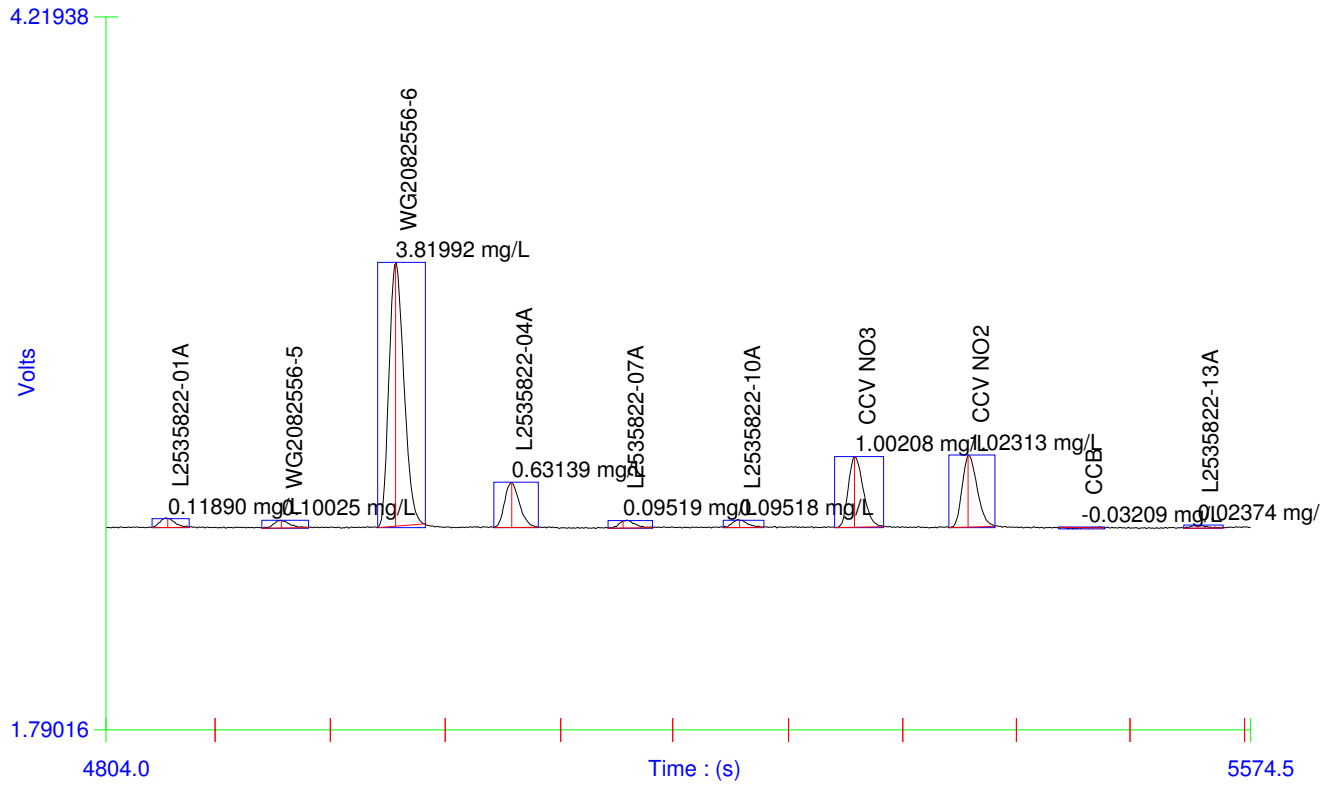
Channel 1 (NO3+NO2) - Set: 7 / 11



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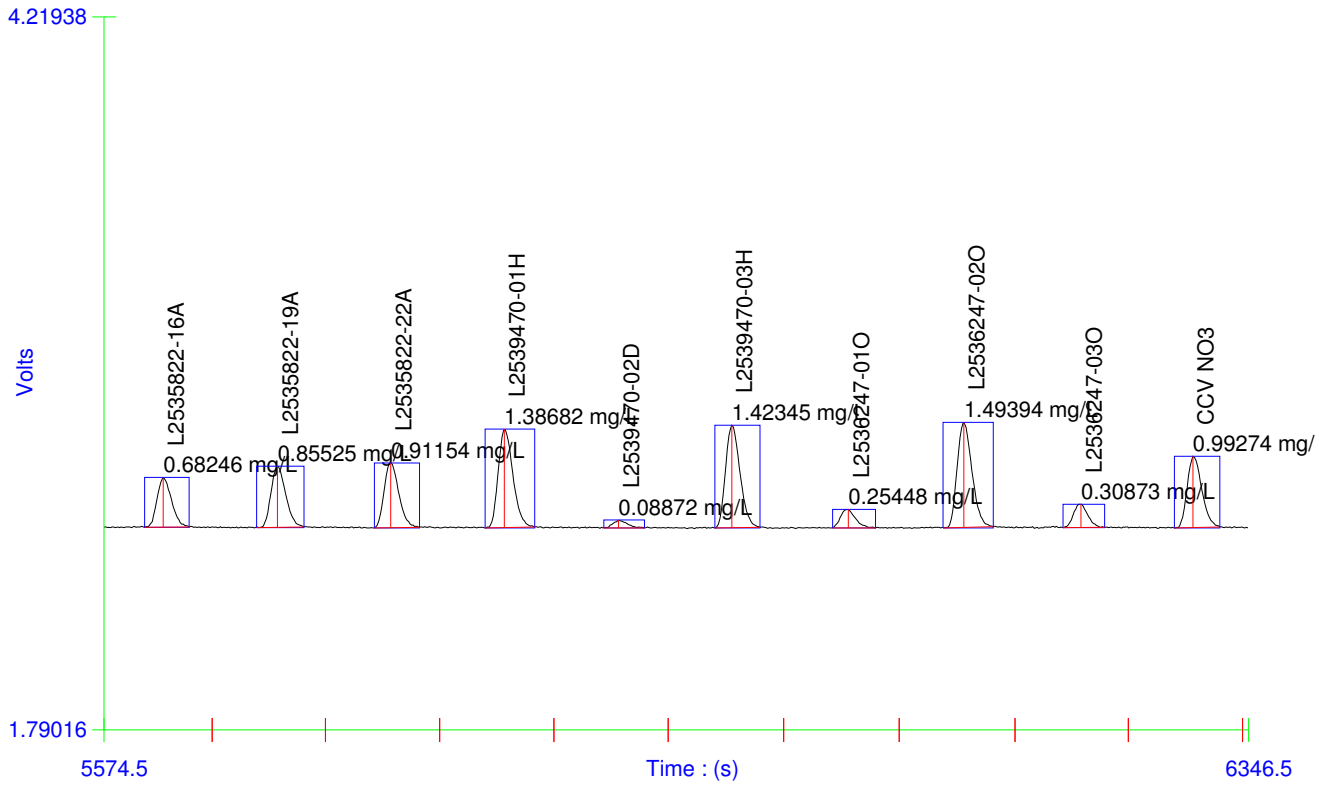
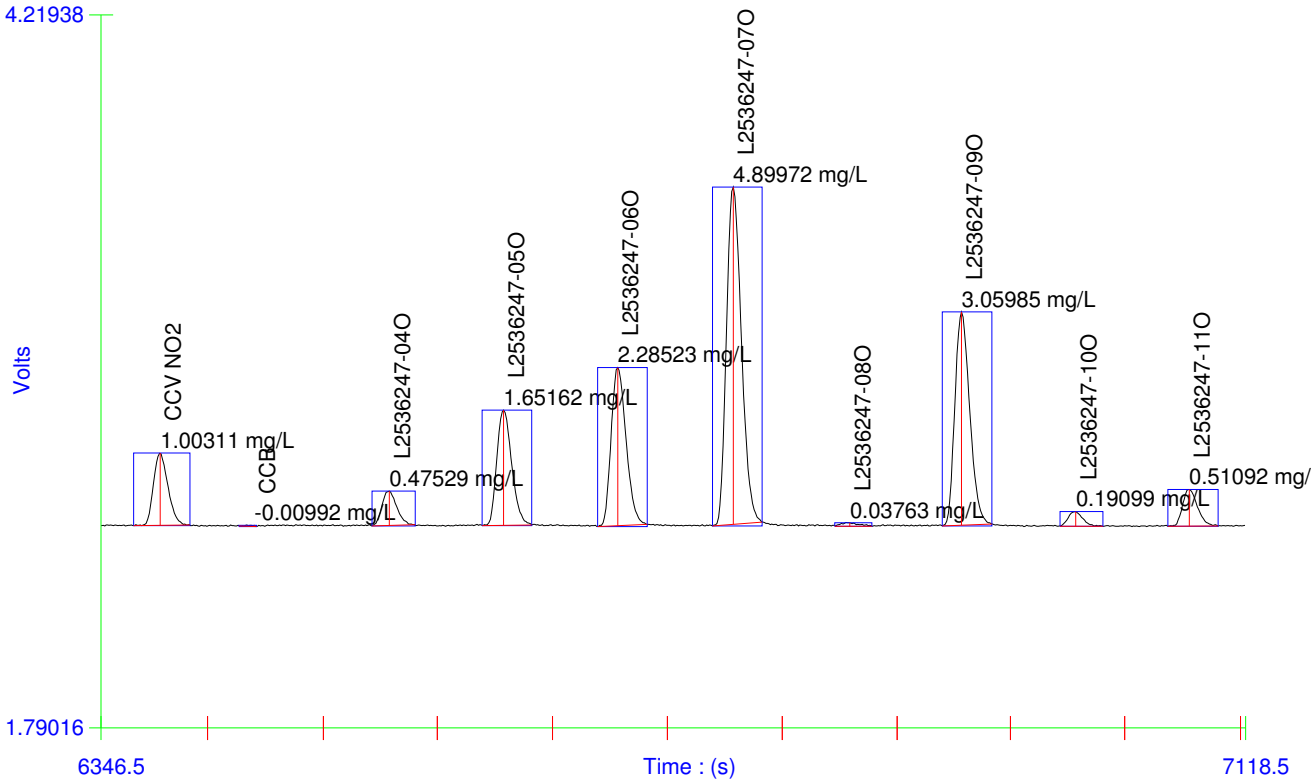
Channel 1 (NO3+NO2) - Set: 8 / 11



Channel 1 (NO3+NO2) - Set: 9 / 11



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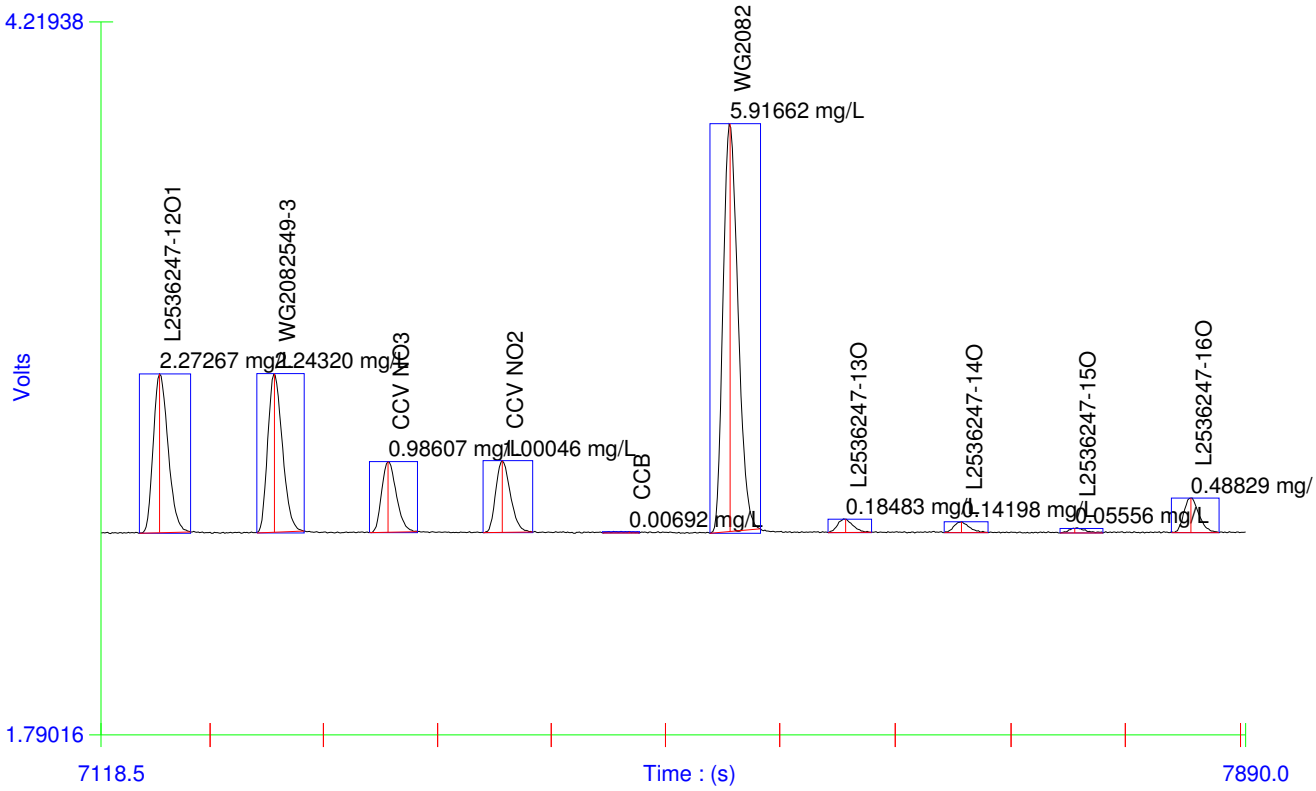
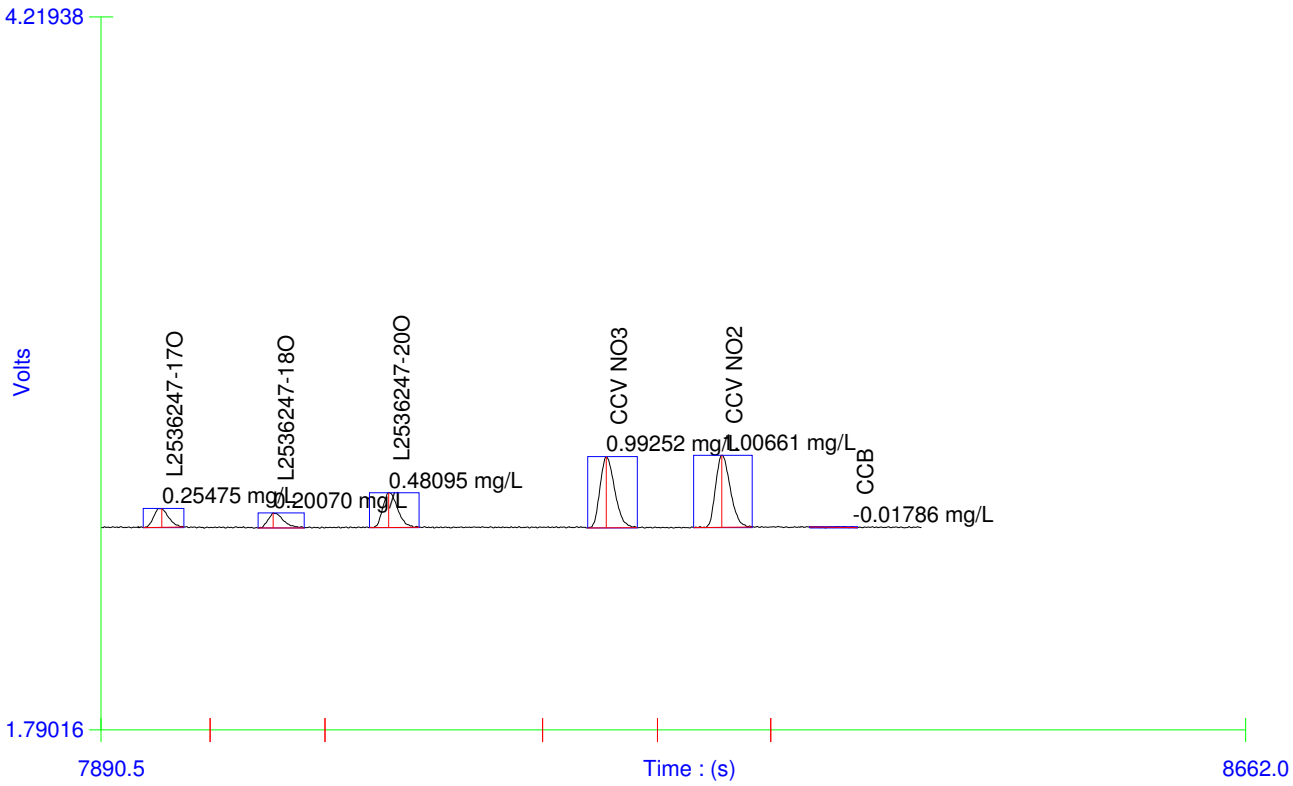
Channel 1 (NO3+NO2) - Set: 10 / 11



Channel 1 (NO3+NO2) - Set: 11 / 11



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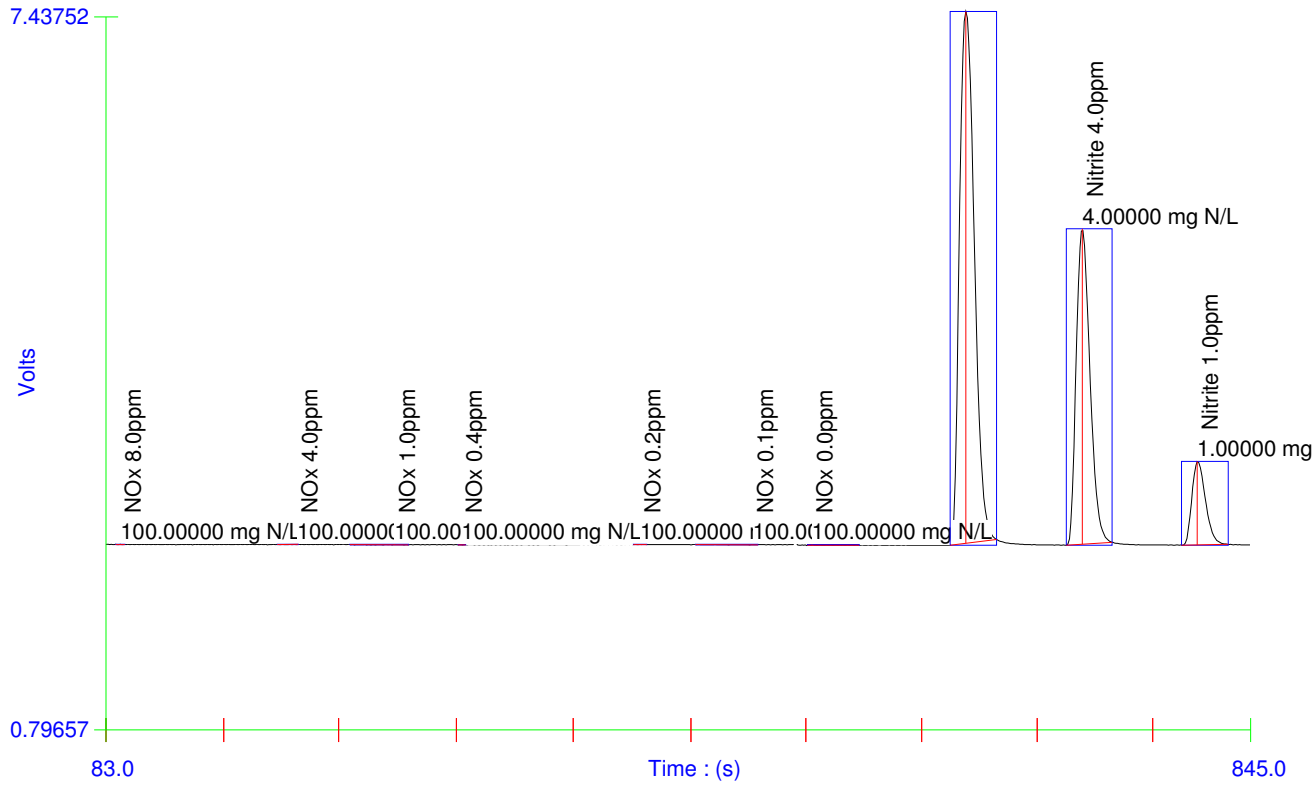
Channel 2 (NO2) - Set: 1 / 11



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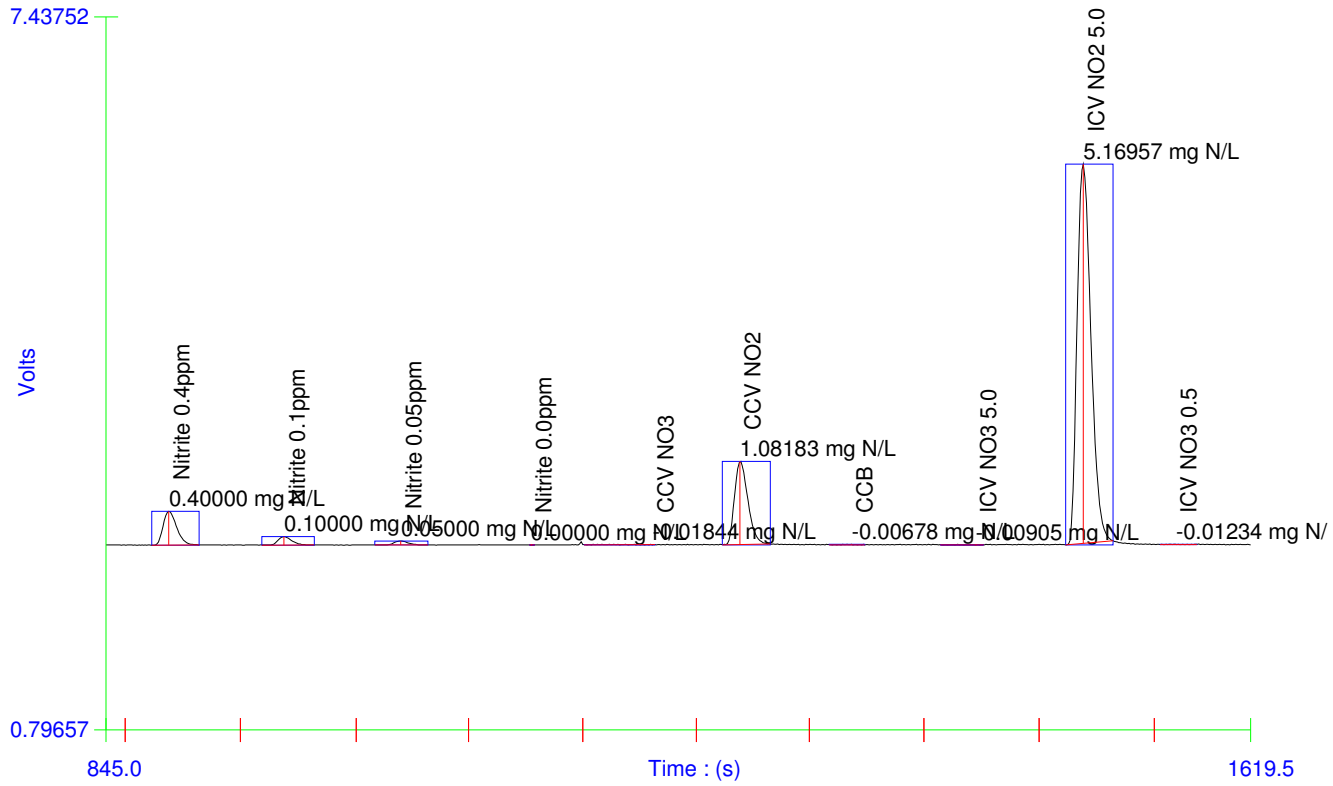
Channel 2 (NO2) - Set: 2 / 11



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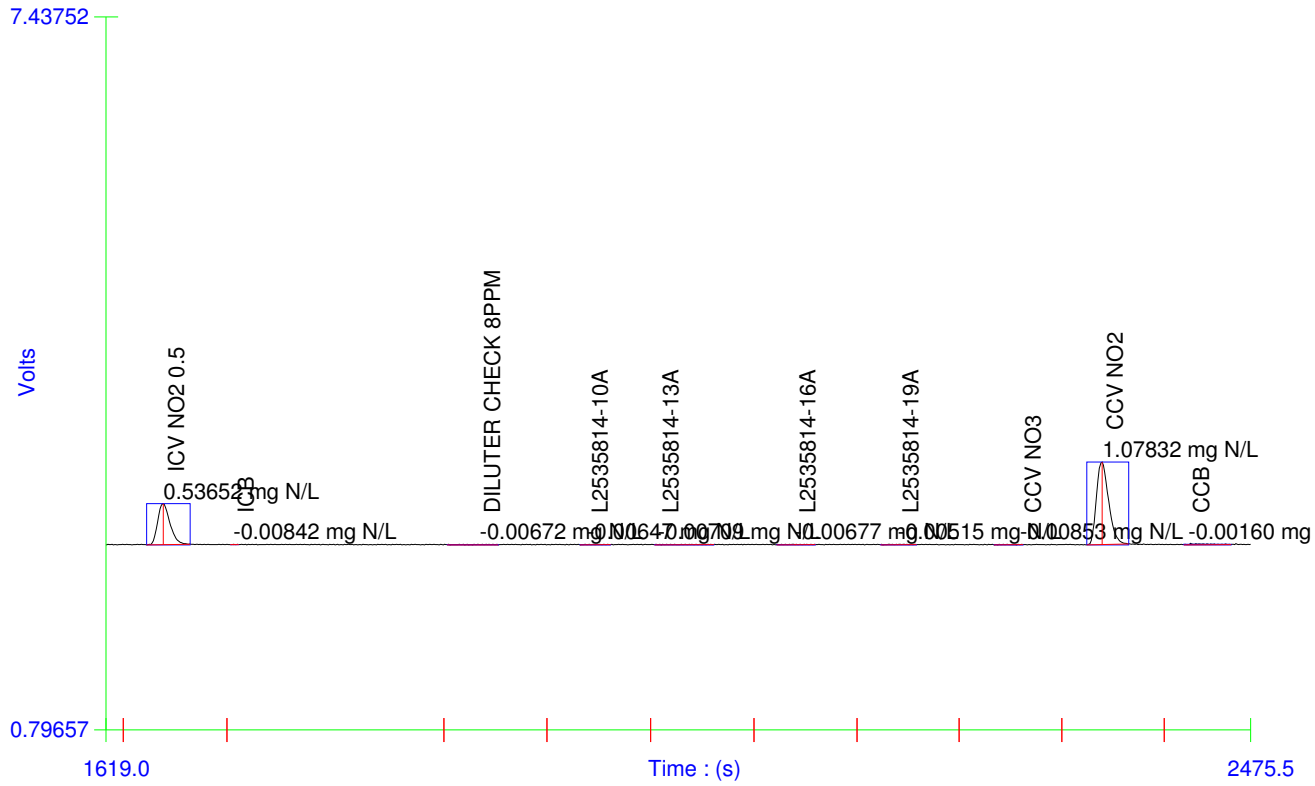
Channel 2 (NO2) - Set: 3 / 11



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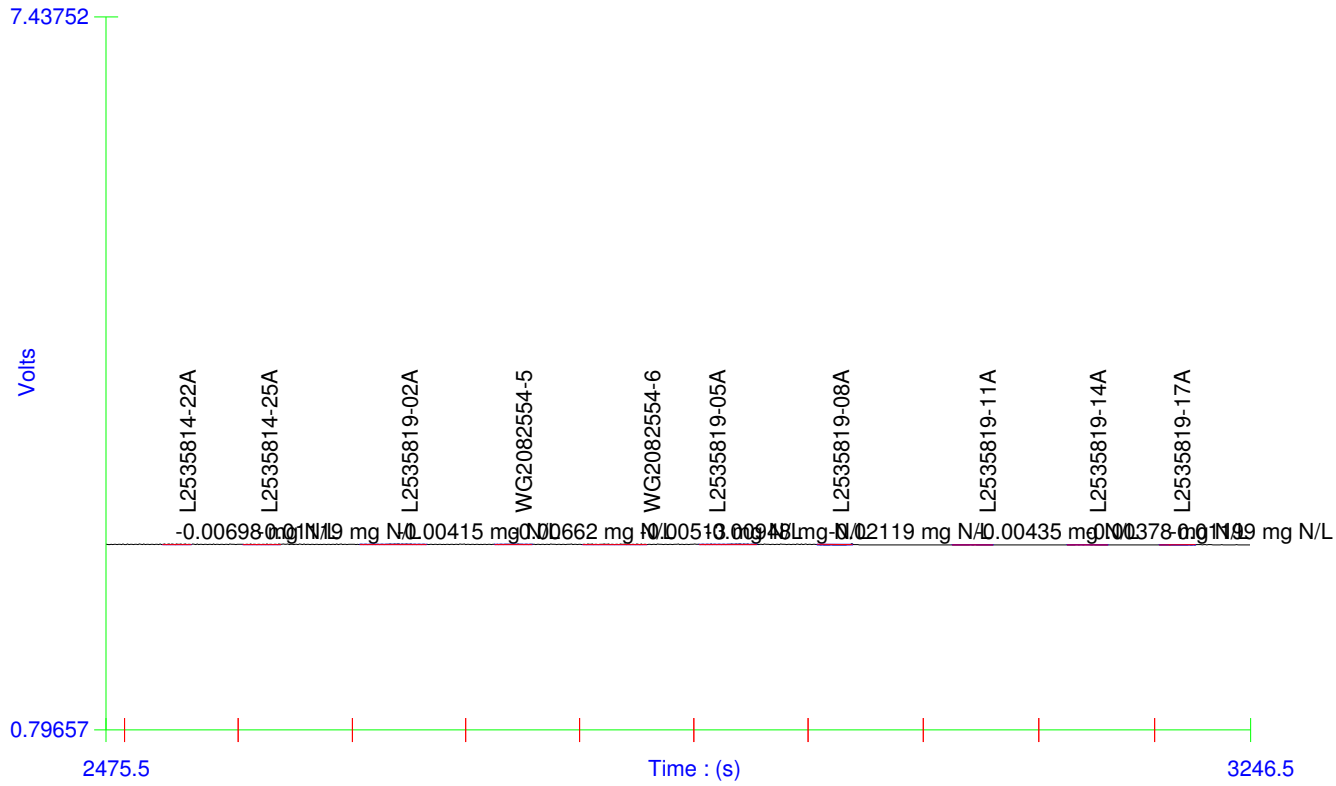
Channel 2 (NO2) - Set: 4 / 11



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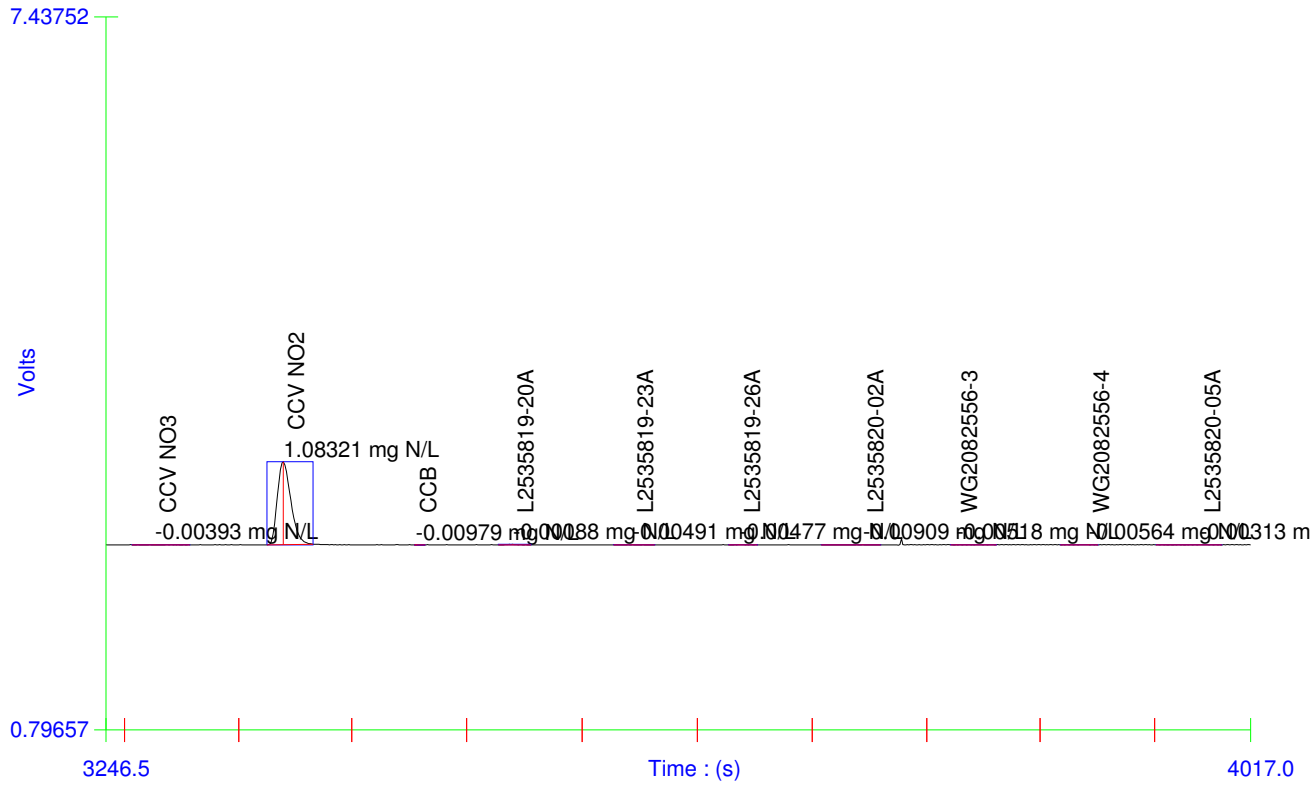
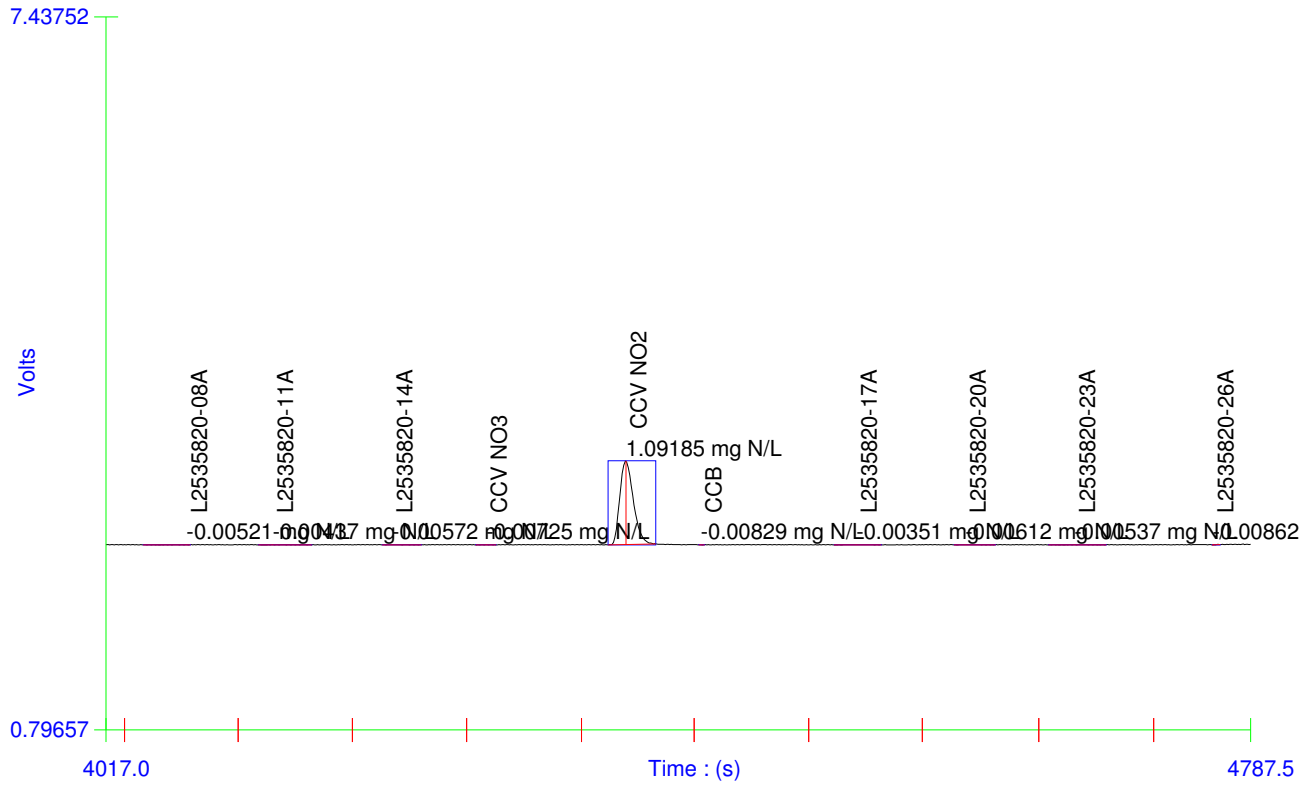
Channel 2 (NO2) - Set: 5 / 11



Channel 2 (NO2) - Set: 6 / 11



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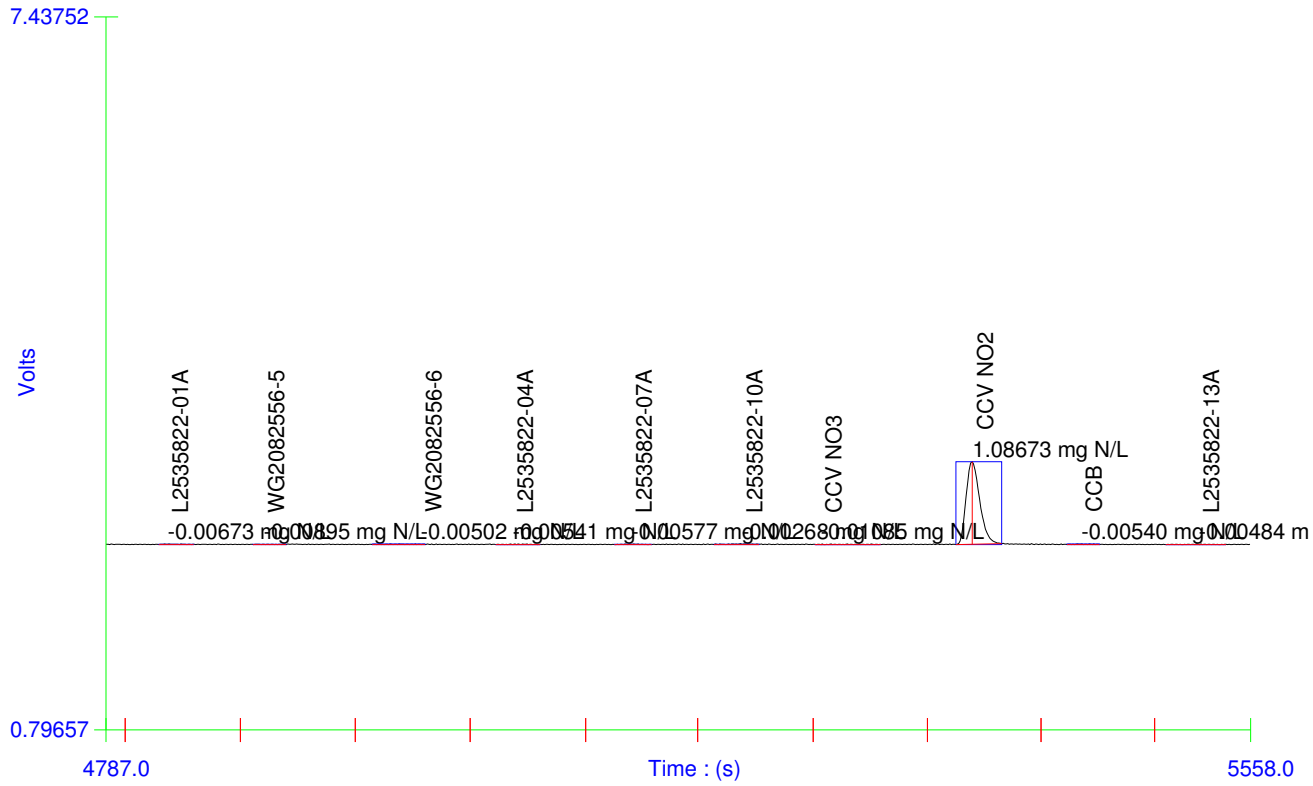
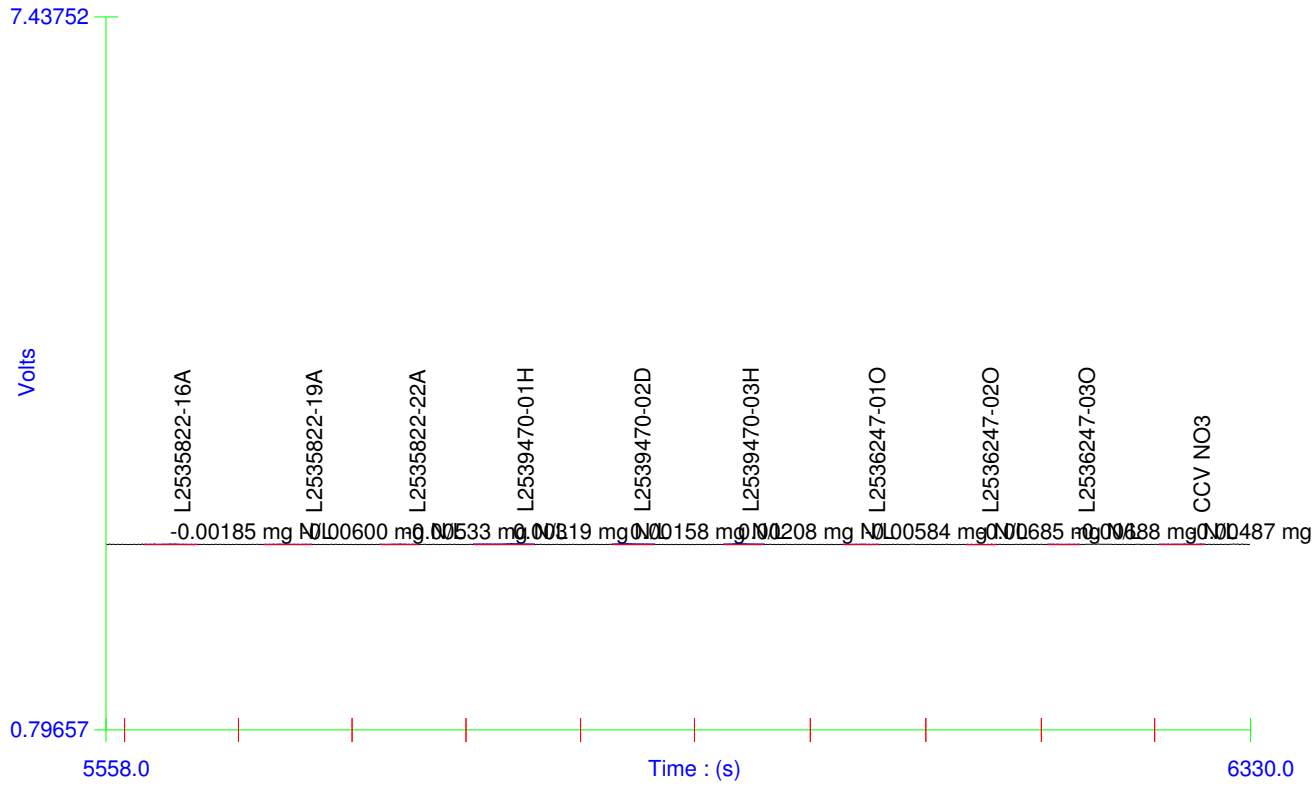
Channel 2 (NO2) - Set: 7 / 11



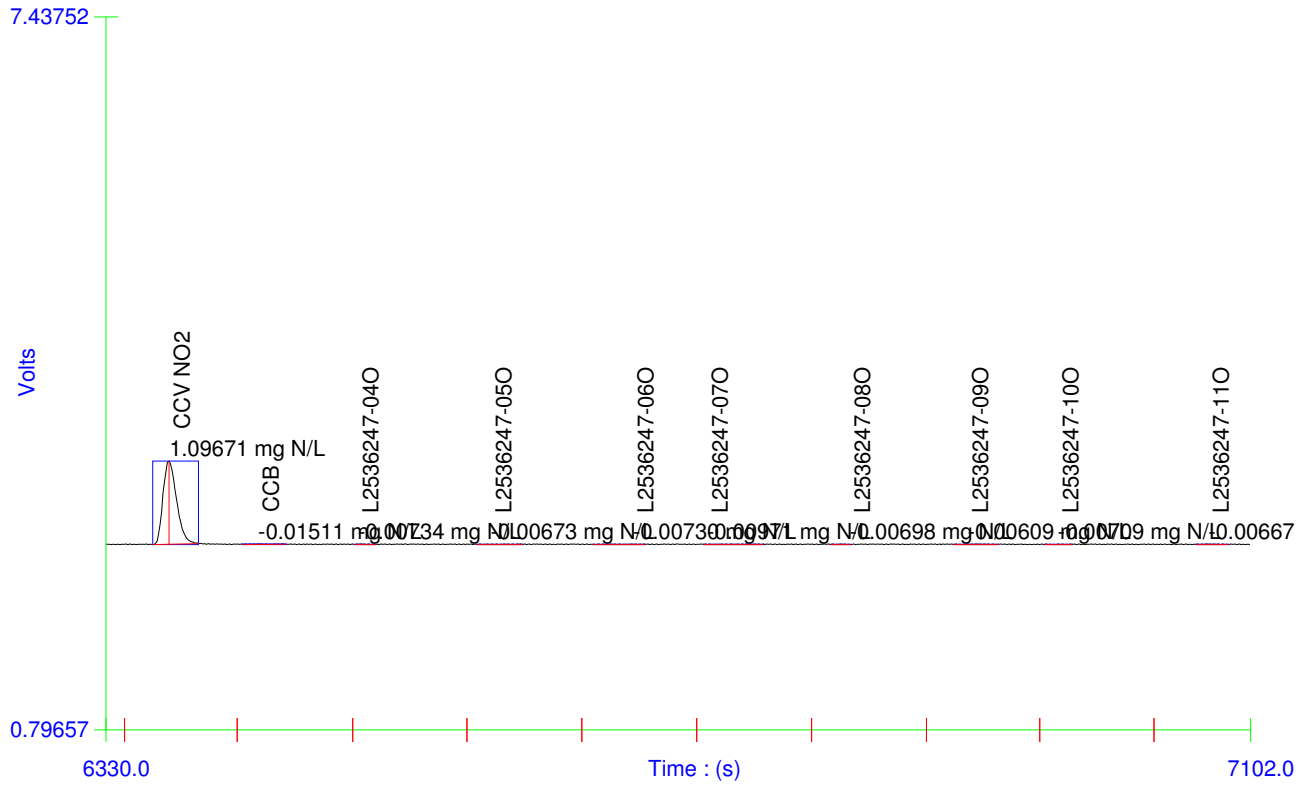
Author: KAF TRAY 3 Date : 250624-3

Channel 2 (NO2) - Set: 8 / 11



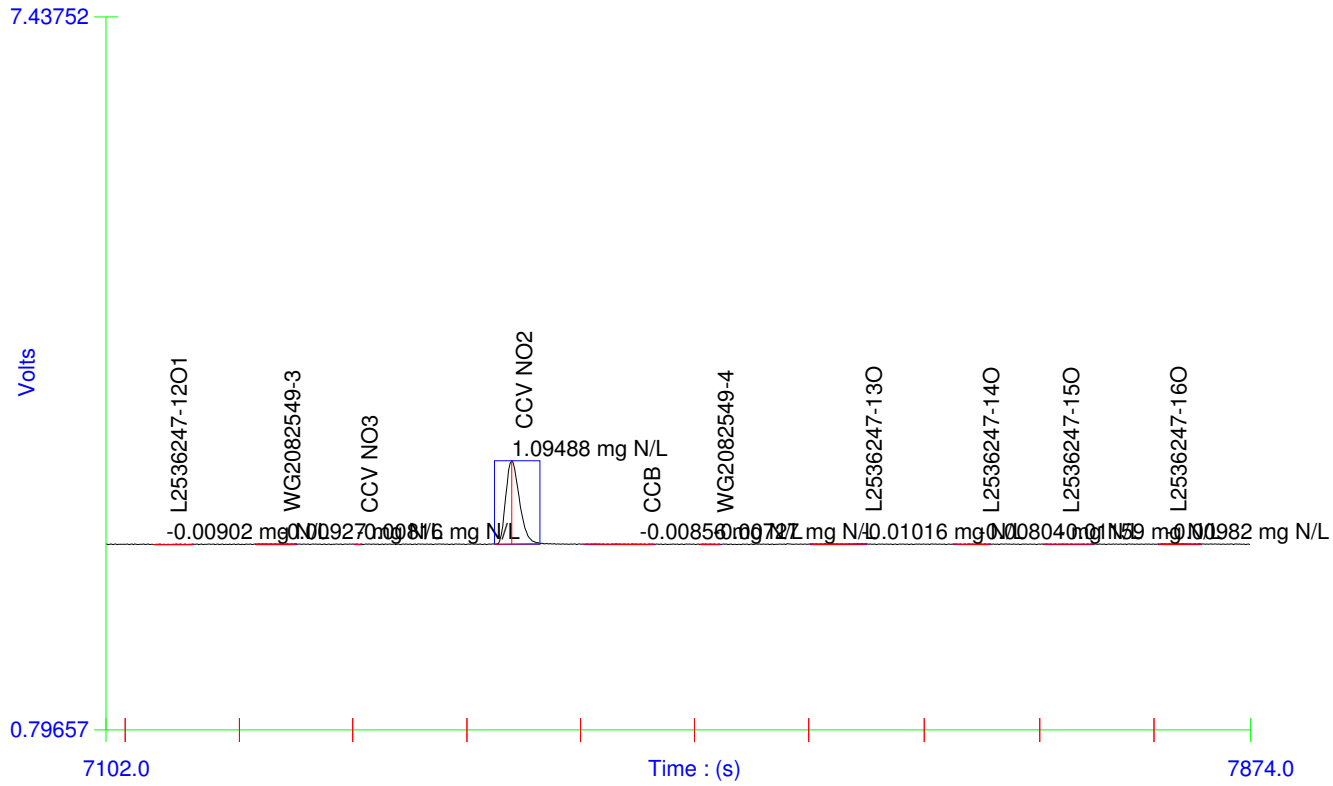
Author: KAF TRAY 3 Date : 250624-3

Channel 2 (NO2) - Set: 9 / 11



Author: KAF TRAY 3 Date : 250624-3

Channel 2 (NO2) - Set: 10 / 11



Channel 2 (NO2) - Set: 11 / 11

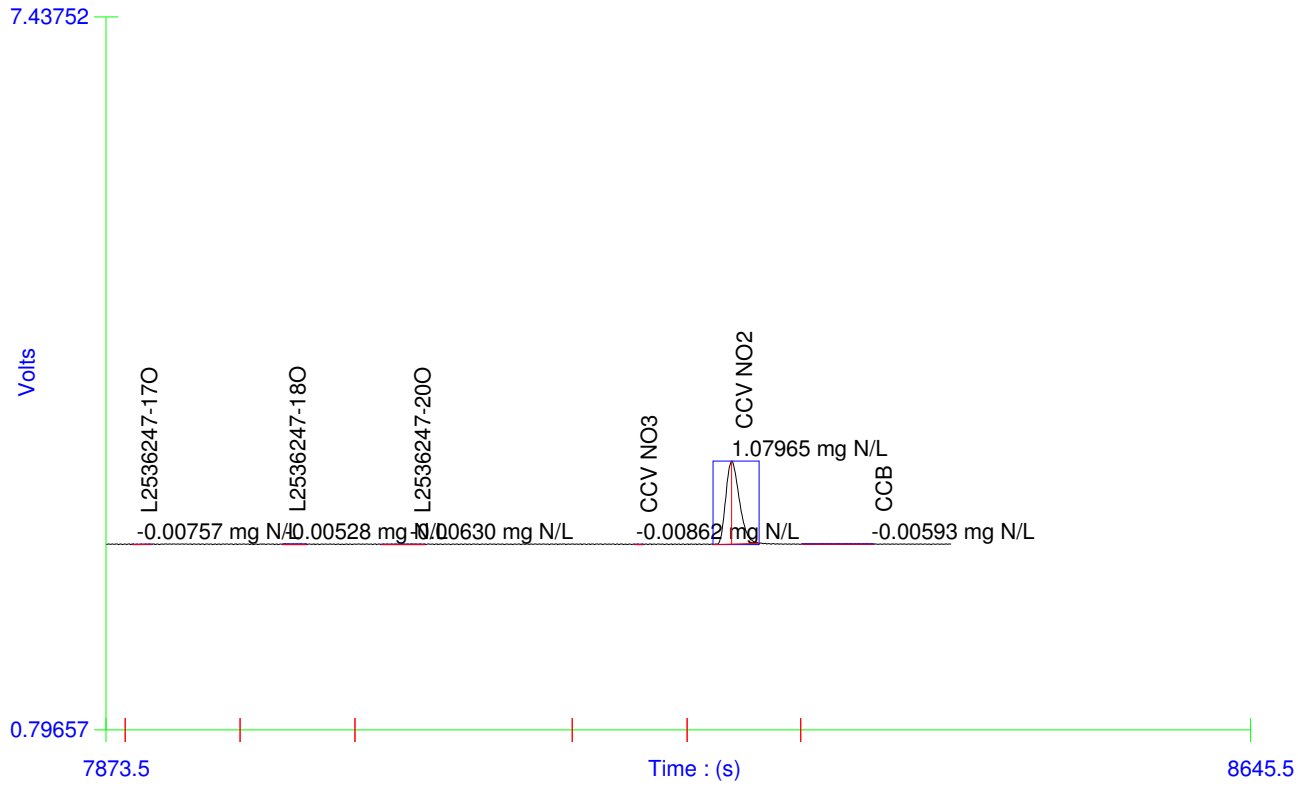


Table : 1 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	21.58650	1.71733	0.0	1.2	7.89700	6/24/2025	7:13:46 AM
2	4.00000	1	11.02824	0.91433	0.0	-0.7	4.02595	6/24/2025	7:15:05 AM
3	1.00000	1	2.89601	0.23684	0.0	-4.4	1.04437	6/24/2025	7:16:22 AM
4	0.40000	1	1.21908	0.09961	0.0	-7.1	0.42954	6/24/2025	7:17:40 AM
5	0.20000	1	0.59179	0.04901	0.0	0.2	0.19955	6/24/2025	7:18:58 AM
6	0.10000	1	0.31261	0.02523	0.0	2.4	0.09720	6/24/2025	7:20:17 AM
7	0.00000	1	0.02525	0.00478			-0.00816	6/24/2025	7:21:33 AM

Figure : 1 (NO3+NO2)

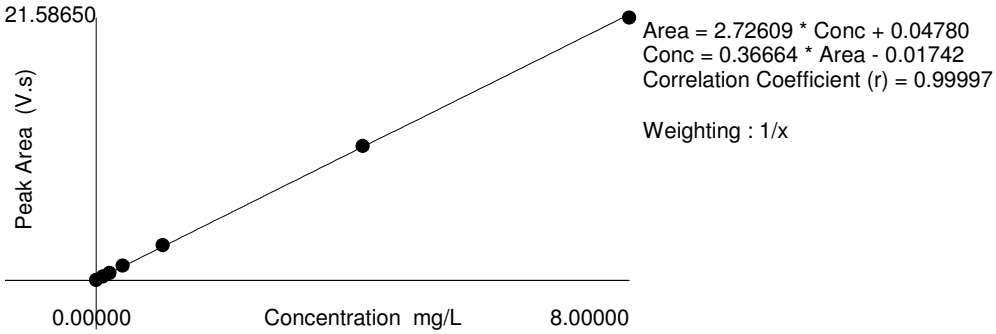
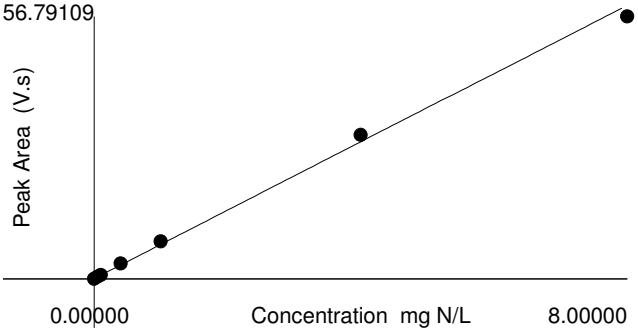


Table : 2 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	56.79109	4.95261	0.0	4.1	7.65221	6/24/2025	7:22:50 AM
2	4.00000	1	31.11366	2.93653	0.0	-5.0	4.18841	6/24/2025	7:24:08 AM
3	1.00000	1	8.09825	0.77550	0.0	-8.6	1.08371	6/24/2025	7:25:25 AM
4	0.40000	1	3.30721	0.31515	0.0	-9.4	0.43741	6/24/2025	7:26:43 AM
5	0.10000	1	0.84068	0.07869	0.0	-4.3	0.10469	6/24/2025	7:28:01 AM
6	0.05000	1	0.41464	0.03789	0.0	5.0	0.04722	6/24/2025	7:29:20 AM
7	0.00000	1	0.00086	0.00084			-0.00860	6/24/2025	7:30:36 AM

Figure : 2 (Nitrite)



Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082549-4	**MS Analysis Date**	: 06/24/25 09:17
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Nitrogen, Nitrate/Nitrite	2.3	4	5.9	90					80-120	20

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/24/25 09:11
Dup Sample ID	: WG2082549-3	**DUP Analysis Date**	: 06/24/25 09:12

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	2.3	2.2	4	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082549-2	**LCS Analysis Date**	: 06/24/25 04:31
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Nitrogen, Nitrate/Nitrite	**5.00**	**4.90**	**98.**					**90-110**	**20**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	6	6	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.1	0.0228	mg/l	90-110		83-113	17	17	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	353.2	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrite	NONE	0.05	0.0143	mg/l	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Plastic 250ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Nitrogen, Nitrate	14797-55-8	1	0.261	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved
Nitrogen, Nitrite	NONE	1	0.282	mg/kg	90-110	20	80-120	20	20	4500NO3-F	48 hours	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen, Nitrate

Aqueous Samples:
Compute sample N in NO3 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO3+NO2) and Channel 2 (NO2)

$$NO3\ mg/I = (NO3+NO2)\ mg/L - (NO2)\ mg/L$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO3)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:
Compute sample N in NO2 concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO2)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(NO2)\text{-}N\ mg/L = mg/L\ direct\ reading \times dilution\ factor$$

Sequence Logs

Date:	Initals:	Syringe Lot:	Syringe Lot: 20230620
062425	KAF	Filter Lot:	Filter Lot: 18048470A

Rack #	Sample ID:	Comments:
1	ICV NO3 5	*Buffer: NO3NO2_061925_BUFFER*
2	ICV NO2 5	*Color: NO3NO2_062125_COLOR*
3	ICV NO3 0.5	*NO3 MS: NO3_060325_200PPM_CAL*
4	ICV NO2 0.5	*NO2 MS: NO2_052225_200PPM_CAL*
5	ICB	*ICV NO3 5: NO3_062125_5PPM_ICV*
6	5X DILUTER CHECK	*ICV NO2 5: NO2_062125_5PPM_ICV*
7	BLNK NO3	*ICV NO3 0.5: NO3_062425_0.5PPM_ICV*
8	LCS NO3	*ICV NO2 0.5: NO2_062425_0.5PPM_ICV*
9	BLNK NO2	
10	LCS NO2	
11	WG2082546-1	
12	WG2082546-2	
13	WG2082547/248-1	
14	WG2082547/248-2	
15	WG2082549-1	
16	WG2082549-2	
17	WG2082551-1	
18	WG2082551-2	
19	WG2082554-1	
20	WG2082554-2	
21	WG2082556-1	
22	WG2082556-2	
23	L2539304-01A	
24	L2539304-02A	
25	L2539304-03A	
26	L2539304-04A	
27	L2539304-05A	
28	L2539304-06A	
29	L2539383-01N	
30	WG2082547/548-3	
31	WG2082547/548-4	
32	WG2082546-3	
33	WG2082546-4	
34	L2539383-02N	
35	L2539383-03N	
36	L2536038-01B	
37	L2536038-02C	
38	L2535807-01A	
39	WG2082551-3	
40	WG2082551-4	
41	L2535807-04A	
42	L2535807-07A	
43	L2535807-10A	

Rack #	Sample ID:	Comments:	Injection #
44	L2535807-13A		
45	L2535807-16A		
46	L2535807-19A		
47	L2535807-22A		
48	L2535807-25A		
49	L2535809-02A		
50	WG2082551-5		
51	WG2082551-6		
52	L2535809-05A		
53	L2535809-08A		
54	L2535809-11A		
55	L2535809-14A		
56	L2535809-17A		
57	L2535809-20A		
58	L2535809-23A		
59	L2535809-26A		
60	L2535814-01A		
61	WG2082554-3		
62	WG2082554-4		
63	L2535814-04A		
64	L2535814-07A		
65	L2535814-10A		
66	L2535814-13A		
67	L2535814-16A		
68	L2535814-19A		
69	L2535814-22A		
70	L2535814-25A		
71	L2535819-02A		
72	WG2082554-5		
73	WG2082554-6		
74	L2535819-05A		
75	L2535819-08A		
76	L2535819-11A		
77	L2535819-14A		
78	L2535819-17A		
79	L2535819-20A		
80	L2535819-23A		
81	L2535819-26A		
82	L2535820-02A		
83	WG2082556-3		
84	WG2082556-4		
85	L2535820-05A		
86	L2535820-08A		
87	L2535820-11A		
88	L2535820-14A		
89	L2535820-17A		

Rack #	Sample ID:	Comments:
90	L2535820-20A	
91	L2535820-23A	
92	L2535820-26A	
93	L2535822-01A	
94	WG2082556-5	
95	WG2082556-6	
96	L2535822-04A	
97	L2535822-07A	
98	L2535822-10A	
99	L2535822-13A	
100	L2535822-16A	
101	L2535822-19A	
102	L2535822-22A	
103	L2539470-01H	
104	L2539470-02D	
105	L2539470-03H,R3A	
106	L2536247-01O	
107	L2536247-02O	
108	L2536247-03O	
109	L2536247-04O	
110	L2536247-05O	
111	L2536247-06O	
112	L2536247-07O	
113	L2536247-08O	
114	L2536247-09O	
115	L2536247-10O	
116	L2536247-11O	
117	L2536247-12O1	
118	WG2082549-3	
119	WG2082549-4	
120	L2536247-13O	
121	L2536247-14O	
122	L2536247-15O	
123	L2536247-16O	
124	L2536247-17O	
125	L2536247-18O	
126	L2536247-20O	

Total Dissolved Solids Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	210	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	140	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	140	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	:	P. W. Grosser	Lab Number	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	Project Number	:	BSD1504
Lab ID	:	L2536247-07	Date Collected	:	06/10/25 09:10
Client ID	:	MW-09A	Date Received	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	:	06/15/25 01:59
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2079011.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	86.	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	180	13	4.0	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-09	**Date Collected**	:	06/09/25 15:02
Client ID	:	MW-05B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/15/25 01:59
Sample Matrix	:	WATER	**Dilution Factor**	:	1.3
Analytical Method	:	121,2540C	**Analyst**	:	DEW
Lab File ID	:	WG2079011.pdf	**Instrument ID**	:	BALANCE#22
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	140	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	85.	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	130	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	130	13	4.0	

Form 1
WETCHEM

Client	:	P. W. Grosser	Lab Number	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	Project Number	:	BSD1504
Lab ID	:	L2536247-15	Date Collected	:	06/09/25 10:55
Client ID	:	MW-03B	Date Received	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	:	06/15/25 01:59
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2079011.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	150	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	130	13	4.0	

Form 1
WETCHEM

Client	:	P. W. Grosser	Lab Number	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	Project Number	:	BSD1504
Lab ID	:	L2536247-17	Date Collected	:	06/09/25 09:28
Client ID	:	MW-04A	Date Received	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	:	06/15/25 01:59
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2079011.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	130	13	4.0	

Form 1
WETCHEM

Client	:	P. W. Grosser	Lab Number	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	Project Number	:	BSD1504
Lab ID	:	L2536247-20	Date Collected	:	06/09/25 00:00
Client ID	:	DUP001	Date Received	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	Date Analyzed	:	06/15/25 01:59
Sample Matrix	:	WATER	Dilution Factor	:	1.3
Analytical Method	:	121,2540C	Analyst	:	DEW
Lab File ID	:	WG2079011.pdf	Instrument ID	:	BALANCE#22
Sample Amount	:		%Solids	:	N/A
Digestion Method	:		Date Digested	:	

		mg/l			
CAS NO.	Parameter	Results	RL	MDL	Qualifier
NONE	Solids, Total Dissolved	120	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2079011-1	**Date Collected**	: NA
Client ID	: WG2079011-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	ND	10	3.1	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2079011-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	100	13	4.0	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2079011-4	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/15/25 01:59
Sample Matrix	: WATER	**Dilution Factor**	: 1.3
Analytical Method	: 121,2540C	**Analyst**	: DEW
Lab File ID	: WG2079011.pdf	**Instrument ID**	: BALANCE#22
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
NONE	Solids, Total Dissolved	92.	13	4.0	

Sample Raw Data

Wet Chemistry Gravimetric ELN

Printed: JUN-17-25 03:56:50

WorkGroup	WG2079011	**Temp In (C)**	180	**Temp In (C)**	180	**Temp In (C)**		**Temp In (C)**		**Temp In (C)**					
Title	Solids, Total Dissolved	**Temp Out (C)**	180	**Temp Out (C)**	180	**Temp Out (C)**		**Temp Out (C)**		**Temp Out (C)**					
Method	SM2540C	**Time In**	16-JUN-25 06:00	**Time In**	16-JUN-25 10:55	**Time In**		**Time In**		**Time In**					
Instrument	BALANCE#22	**Time Out**	16-JUN-25 10:20	**Time Out**	16-JUN-25 12:53	**Time Out**		**Time Out**		**Time Out**					
		Evaporation	**Temp In (C)** 90	**Time In** 15-JUN-25 08:32								**LCS Lot #** 061025A	**TrueValue** 500	**Units** mg/l	

Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment
L2536247-01	15-JUN-25 01:59	DEB WHELAN	EY	79145397	65.1294	80	65.1393	65.1393				123.75	1.3	
L2536247-02	15-JUN-25 01:59	DEB WHELAN	RA	79145397	73.4504	80	73.4602	73.4605				122.50	1.3	
L2536247-03	15-JUN-25 01:59	DEB WHELAN	EG	79145397	62.8841	80	62.901	62.9009				210.00	1.3	
L2536247-04	15-JUN-25 01:59	DEB WHELAN	BD	79145397	101.6269	80	101.6385	101.6382				141.25	1.3	
L2536247-05	15-JUN-25 01:59	DEB WHELAN	PR	79145397	103.113	80	103.1243	103.1245				141.25	1.3	
L2536247-06	15-JUN-25 01:59	DEB WHELAN	OG	79145397	138.5042	80	138.5139	138.5142				121.25	1.3	
L2536247-07	15-JUN-25 01:59	DEB WHELAN	SQ	79145397	139.1466	80	139.1535	139.1537				86.25	1.3	
L2536247-08	15-JUN-25 01:59	DEB WHELAN	PS	79145397	135.2897	80	135.3043	135.3044				182.50	1.3	
L2536247-09	15-JUN-25 01:59	DEB WHELAN	Z13	79145397	65.4343	80	65.4454	65.4453				137.50	1.3	T4
L2536247-10	15-JUN-25 01:59	DEB WHELAN	Z22	79145397	61.2309	80	61.2412	61.2409				125.00	1.3	
L2536247-11	15-JUN-25 01:59	DEB WHELAN	EF	79145397	68.3963	80	68.4031	68.4033				85.00	1.3	
L2536247-12	15-JUN-25 01:59	DEB WHELAN	X3	79145397	66.7857	80	66.7959	66.7955				122.50	1.3	
L2536247-13	15-JUN-25 01:59	DEB WHELAN	R3	79145397	78.0242	80	78.0349	78.0348				132.50	1.3	
L2536247-14	15-JUN-25 01:59	DEB WHELAN	C7	79145397	64.0544	80	64.065	64.0648				130.00	1.3	
L2536247-15	15-JUN-25 01:59	DEB WHELAN	ED	79145397	62.0339	80	62.046	62.0457				147.50	1.3	
L2536247-16	15-JUN-25 01:59	DEB WHELAN	ET	79145397	62.866	80	62.8765	62.8768				131.25	1.3	
L2536247-17	15-JUN-25 01:59	DEB WHELAN	C9	79145397	67.4153	80	67.4249	67.4253				120.00	1.3	
L2536247-18	15-JUN-25 01:59	DEB WHELAN	V6	79145397	70.8917	80	70.9018	70.9018				126.25	1.3	
L2536247-20	15-JUN-25 01:59	DEB WHELAN	Z11	79145397	68.6638	80	68.6735	68.6734				120.00	1.3	
L2537353-02	15-JUN-25 01:59	DEB WHELAN	K5	79145397	66.5039	80	66.6303	66.6304				1580.00	1.3	
WG2079011-1	15-JUN-25 01:59	DEB WHELAN	ES	79145397	59.9616	100	59.9613	59.9614				-3.00	1	T3
WG2079011-2	15-JUN-25 01:59	DEB WHELAN	CA	79145397	58.8924	50	58.9183	58.9187				518.00	2	
WG2079011-3	15-JUN-25 01:59	DEB WHELAN	B45	79145397	64.4882	80	64.4964	64.4966				102.50	1.3	
WG2079011-4	15-JUN-25 01:59	DEB WHELAN	FL	79145397	64.2707	80	64.2781	64.2784				92.50	1.3	

Quality Control

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/15/25 01:59
Dup Sample ID	: WG2079011-3	**DUP Analysis Date**	: 06/15/25 01:59

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	120	100	18 Q	10

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-02A	**Matrix**	: WATER
Lab Sample ID	: L2536247-13	**Analysis Date**	: 06/15/25 01:59
Dup Sample ID	: WG2079011-4	**DUP Analysis Date**	: 06/15/25 01:59

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	130	92.	34 Q	10

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2079011-2	**LCS Analysis Date**	: 06/15/25 01:59
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Solids, Total Dissolved	**500.**	**520.**	**104.**					**80-120**	**10**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Solids, Total Dissolved	NONE	10	3.07	mg/l	80-120			10	10	2540C	7 days	1 - Plastic 500ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)
B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2080904.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	18.	10	1.4	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-02	**Date Collected**	:	06/10/25 12:50
Client ID	:	MW-06B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/23/25 11:30
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500SO4-E	**Analyst**	:	MRW
Lab File ID	:	WG2082247.csv	**Instrument ID**	:	SPEC6
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	12.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	21.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	17.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	18.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	9.5	10	1.4	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	10.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	39.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	15.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	17.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	8.6	10	1.4	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	12.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	13.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	18.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	13.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	18.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	19.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	15.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	18.	10	1.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2080904-1	**Date Collected**	: NA
Client ID	: WG2080904-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2080904.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.1	10	1.4	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2080904-3	**Date Collected**	: 06/04/25 14:15
Client ID	: WG2080904-3 DUP	**Date Received**	: 06/06/25
Sample Location	:	**Date Analyzed**	: 06/19/25 12:00
Sample Matrix	: WATER	**Dilution Factor**	: 2.5
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2080904.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	64.	25	3.4	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082247-1	**Date Collected**	: NA
Client ID	: WG2082247-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	2.1	10	1.4	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082247-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/23/25 11:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500SO4-E	**Analyst**	: MRW
Lab File ID	: WG2082247.csv	**Instrument ID**	: SPEC6
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
14808-79-8	Sulfate	12.	10	1.4	

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3572
LCS;WC-3587
Reagent;lot A5106

Sample Number: _____
Client: _____
Analysis: Sulfate, SO4
Method: SM 4500SO4-E
Instrument: SPEC6
Wavelength: 420 nm
Spike Volume(ml): 0.5
Spike Concentration (mg/l): 1000

Product: SO4-4500
Curve Calibration Date : 06/19/25
Curve Identifier: 6/19/2025
Analysis Analyte: Sulfate
Analysis Date: 6/19/2025 12:00
Preparation Date: 6/19/2025 12:00
Technician: MRW
Work group: WG2080904
RL: 10 mg/l
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result
0	0.000	1.0	1.77
10	0.140	1.0	8.50
20	0.352	1.0	18.7
40	0.816	1.0	41.0

Calibration Curve
Volume: 25 ml

Slope	y-intercept
0.020789	-0.0368

Correlation Coefficient
0.995404

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.003	0.003	2.057	1	1.0	2.1	Recovery
	ICV	25	25	0	0.41	0.410	21.456	1	1.0	21.5	107%
SAMP	L2534635-01	25	25	0.011	0.457	0.446	23.172	1	1.0	23.2	
SAMP	L2534635-07	2.5	25	0.002	0.354	0.352	18.692	1	10.0	186.9	
SAMP	L2534635-11	25	25	0.007	0.349	0.342	18.215	1	1.0	18.2	
SAMP	L2534635-13	25	25	0.142	0.514	0.372	19.645	1	1.0	19.6	
SAMP	L2534635-14	25	25	0.041	0.05	0.009	2.343	1	1.0	2.3	
SAMP	L2534635-15	25	25	0.003	0.06	0.057	4.631	1	1.0	4.6	
SAMP	L2534635-18	10	25	0.011	0.331	0.320	17.166	1	2.5	42.9	
SAMP	L2534635-19	2.5	25	0.003	0.202	0.199	11.399	1	10.0	114.0	
SAMP	L2534635-22	5	25	0.003	0.379	0.376	19.835	1	5.0	99.2	
SAMP	L2534635-23	25	25	0.004	0.601	0.597	30.369	1	1.0	30.4	
	CCV1	25	25	0	0.406	0.406	21.265	1	1.0	21.3	
	CCB1	25	25	0	0.006	0.006	2.200	1	1.0	2.2	
SAMP	L2534635-24	10	25	0.052	0.543	0.491	25.317	1	2.5	63.3	
SAMP	L2534635-27	25	25	0.001	0.008	0.007	2.248	1	1.0	2.2	
SAMP	L2535202-22	25	25	0.002	0.003	0.001	1.962	1	1.0	2.0	
SAMP	L2536036-01	2.5	25	0.002	0.385	0.383	20.169	1	10.0	201.7	
SAMP	L2536036-02	0.5	25	0.002	0.175	0.173	10.160	1	50.0	508.0	
SAMP	L2536247-01	25	25	0.001	0.333	0.332	17.738	1	1.0	17.7	
SAMP	L2537676-01	25	25	0.044	0.603	0.559	28.558	1	1.0	28.6	FILTERED
SAMP	L2537676-02	12.5	25	0.058	0.502	0.444	23.076	1	2.0	46.2	FILTERED
	CCV2	25	25	0	0.403	0.403	21.122	1	1.0	21.1	
	CCB2	25	25	0	0.003	0.003	2.057	1	1.0	2.1	
SAMP	L2537676-03	12.5	25	0.059	0.454	0.395	20.741	1	2.0	41.5	FILTERED
SAMP	L2537676-04	25	25	0.071	0.602	0.531	27.223	1	1.0	27.2	FILTERED
	CCV3	25	25	0	0.4	0.400	20.979	1	1.0	21.0	
	CCB3	25	25	0	0.004	0.004	2.105	1	1.0	2.1	
BLANK	WG2080904-1	25	25	0.000	0.003	0.003	2.057	1	1.0	2.1	
DUP	WG2080904-3	10	25	0.05	0.549	0.499	25.698	1	2.5	64.2	L2534635-24

	Sample number	sample volume	Final volume (ml)	Bkgd. Abs.	Gross Abs.	Absorbance	Sample Result mg/l	Spiked Volume	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2080904-4	5	25	0.025	0.689	0.664	63.300	5	100.0000	168	105
											L2534635-24
LCS	WG2080904-2	25	25	0	0.41	0.41		1	20.0000	21	107

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3572
LCS;WC-3587

Sample Number: _____ **Product:** SO4-4500 **Reagent;lot** A5106
Curve Calibration Date : 06/23/25
Client: _____ **Curve Identifier:** 6/23/2025
Analysis: Sulfate, SO4 **Analysis Analyte:** Sulfate
Method: SM 4500SO4-E **Analysis Date:** 6/23/2025 11:30
Instrument: SPEC6 **Preparation Date:** 6/23/2025 11:30
Wavelength: 420 nm **Technician:** MRW
Spike Volume(ml): 0.5 **Work group:** WG2082247
Spike Concentration (mg/l): 1000 **RL:** 10 mg/l
Cell: 2.5 cm

Standard ID	Mean signal (pk area) abs	Dilution	Calc-ed Result
0	0.000	1.0	1.69
10	0.132	1.0	8.08
20	0.368	1.0	19.5
40	0.807	1.0	40.7

Calibration Curve
Volume: 25 ml

Slope	y-intercept
0.020671	-0.035

Correlation Coefficient
0.995827

ICV/LCS Concentration (mg/l) = 20.0000

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.005	0.005	2.065	1	1.0	2.1	Recovery
	ICV	25	25	0	0.381	0.381	20.103	1	1.0	20.1	101%
SAMP	L2536247-02	25	25	0.002	0.216	0.214	12.091	1	1.0	12.1	
SAMP	L2536247-03	25	25	0.002	0.411	0.409	21.446	1	1.0	21.4	
SAMP	L2536247-04	25	25	0.001	0.312	0.311	16.744	1	1.0	16.7	
SAMP	L2536247-05	25	25	0.001	0.343	0.342	18.232	1	1.0	18.2	
SAMP	L2536247-06	25	25	0	0.161	0.161	9.548	1	1.0	9.5	
SAMP	L2536247-07	25	25	0.002	0.176	0.174	10.172	1	1.0	10.2	
SAMP	L2536247-08	25	25	0.004	0.775	0.771	38.812	1	1.0	38.8	
SAMP	L2536247-09	25	25	0.002	0.276	0.274	14.969	1	1.0	15.0	
SAMP	L2536247-10	25	25	0.002	0.309	0.307	16.553	1	1.0	16.6	
SAMP	L2536247-11	25	25	0.01	0.152	0.142	8.637	1	1.0	8.6	
	CCV1	25	25	0	0.378	0.378	19.959	1	1.0	20.0	
	CCV1	25	25	0	0.002	0.002	1.921	1	1.0	1.9	
SAMP	L2536247-12	25	25	0.003	0.218	0.215	12.139	1	1.0	12.1	
SAMP	L2536247-13	25	25	0.004	0.238	0.234	13.051	1	1.0	13.1	
SAMP	L2536247-14	25	25	0.006	0.352	0.346	18.423	1	1.0	18.4	
SAMP	L2536247-15	25	25	0.005	0.241	0.236	13.146	1	1.0	13.1	
SAMP	L2536247-16	25	25	0.002	0.334	0.332	17.752	1	1.0	17.8	
SAMP	L2536247-17	25	25	0.001	0.352	0.351	18.663	1	1.0	18.7	
SAMP	L2536247-18	25	25	0.036	0.315	0.279	15.209	1	1.0	15.2	
SAMP	L2536247-20	25	25	0.002	0.338	0.336	17.944	1	1.0	17.9	
	CCV2	25	25	0	0.372	0.372	19.671	1	1.0	19.7	
	CCB2	25	25	0	0.003	0.003	1.969	1	1.0	2.0	
SAMP	L2537671-01	2.5	25	0.136	0.119	-0.017	1.009	1	10.0	10.1	FILTERED
SAMP	L2537671-02	2.5	25	0.16	0.415	0.255	14.058	1	10.0	140.6	FILTERED
	CCV3	25	25	0	0.369	0.369	19.527	1	1.0	19.5	
	CCB3	25	25	0	0.004	0.004	2.017	1	1.0	2.0	
BLANK	WG2082247-1	25	25	0.000	0.005	0.005	2.065	1	1.0	2.1	
DUP	WG2082247-3	25	25	0.003	0.217	0.214	12.091	1	1.0	12.1	L2536247-12

	Sample number	sample volume	Final volume (ml)	Bkgd. Abs.	Gross Abs.	Absorbance	Sample Result mg/l	Spiked Volume	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2082247-4	12.5	25	0	0.518	0.518	12.100	12.5	40.0000	53	103
											L2536247-12
LCS	WG2082247-2	25	25	0	0.381	0.381		1	20.0000	20	101

Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2534635-24		
Matrix Spike	: WG2080904-4	**MS Analysis Date**	: 06/19/25 12:00
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	**63.**	**100**	**170**	**105**					**55-147**	**14**

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082247-4	**MS Analysis Date**	: 06/23/25 11:30
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Sulfate	12.	40	53.	102					55-147	14

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 06/19/25 12:00
Dup Sample ID	: WG2080904-3	**DUP Analysis Date**	: 06/19/25 12:00

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	63	64.	2	14

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/23/25 11:30
Dup Sample ID	: WG2082247-3	**DUP Analysis Date**	: 06/23/25 11:30

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	12.	12.	0	14

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2080904-2	**LCS Analysis Date**	: 06/19/25 12:00
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	**20.0**	**21.0**	**105.**					**90-110**	**14**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082247-2	**LCS Analysis Date**	: 06/23/25 11:30
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Sulfate	**20.0**	**20.0**	**100.**					**90-110**	**14**

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Created By: Jason Hebert
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WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	4500SO4-E	28 days	1 - Plastic 500ml unpreserved
Sulfate	14808-79-8	10	1.37	mg/l	90-110		55-147	14	14	9038	28 days	1 - Plastic 500ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

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Created By: Jason Hebert
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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Sulfate	14808-79-8	100	13.6	mg/kg	80-121	12	22-183	12	12	9038	28 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$mgSO_4/L = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	91.2	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	44.9	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	142.	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:30
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	110.	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	27.1	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	40.7	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	19.1	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	64.6	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:42
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	45.9	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:44
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	61.1	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	25.3	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:48
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	31.3	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	69.0	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:54
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	68.8	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 09:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	90.5	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 10:00
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	59.9	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 10:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	60.5	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 10:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	59.2	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 10:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	59.0	2.00	NA	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081948-1	**Date Collected**	: NA
Client ID	: WG2081948-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/22/25 08:57
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081948-2	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/22/25 09:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,2320B	**Analyst**	: MRW
Lab File ID	: 250622.csv	**Instrument ID**	: TITR5
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg CaCO3/L			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
71-52-3	Alkalinity, Bicarbonate	31.1	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U

Sample Raw Data

Titration report

Method

Method ID	Alk Total (2)	**Release state**	Released
Name	EP/EP	**Modified by**	SystemInternal
Modified on	3/26/2025 11:25:13 AM		

Summary

Samples

	Sample ID	Name	Result	State
1	Rinse,MRW	Sample size	50 mL	
		Potential R4	7.06 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.979 mL	OK
		Consumption 4.2 R3	0.985 mL	OK
		Content R5	19.580 mg/L	OK
		ALK LOW R6	19.460 mg/L	OK
2	Rinse,MRW	Sample size	50 mL	
		Potential R4	4.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	0.004 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
3	WG2081948-1	Sample size	50 mL	
		Potential R4	4.04 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
4	LCS	Sample size	50 mL	
		Potential R4	10.85 pH	OK
		Consumption 8.3 R1	4.986 mL	OK
		Consumption 4.5 R2	5.528 mL	OK
		Consumption 4.2 R3	5.534 mL	OK
		Content R5	110.560 mg/L	OK
		ALK LOW R6	110.440 mg/L	OK
5	LCS	Sample size	50 mL	
		Potential R4	10.86 pH	OK
		Consumption 8.3 R1	4.837 mL	OK
		Consumption 4.5 R2	5.228 mL	OK
		Consumption 4.2 R3	5.233 mL	OK
		Content R5	104.560 mg/L	OK
		ALK LOW R6	104.460 mg/L	OK
6	L2536247-01	Sample size	50 mL	

Titration report

		Potential R4	5.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.562 mL	OK
		Consumption 4.2 R3	4.598 mL	OK
		Content R5	91.240 mg/L	OK
		ALK LOW R6	90.520 mg/L	OK
7	L2536247-02	Sample size	50 mL	
		Potential R4	5.39 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.243 mL	OK
		Consumption 4.2 R3	2.267 mL	OK
		Content R5	44.860 mg/L	OK
		ALK LOW R6	44.380 mg/L	OK
8	L2536247-03	Sample size	50 mL	
		Potential R4	5.73 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.112 mL	OK
		Consumption 4.2 R3	7.176 mL	OK
		Content R5	142.240 mg/L	OK
		ALK LOW R6	140.960 mg/L	OK
9	L2536247-04	Sample size	50 mL	
		Potential R4	5.72 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.478 mL	OK
		Consumption 4.2 R3	5.527 mL	OK
		Content R5	109.560 mg/L	OK
		ALK LOW R6	108.580 mg/L	OK
10	L2536247-05	Sample size	50 mL	
		Potential R4	5.36 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.354 mL	OK
		Consumption 4.2 R3	1.378 mL	OK
		Content R5	27.080 mg/L	OK
		ALK LOW R6	26.600 mg/L	OK
11	L2536247-06	Sample size	50 mL	
		Potential R4	5.38 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.034 mL	OK
		Consumption 4.2 R3	2.075 mL	OK
		Content R5	40.680 mg/L	OK
		ALK LOW R6	39.860 mg/L	OK
12	L2536247-07	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.979 mL	OK
		Consumption 4.2 R3	1.004 mL	OK
		Content R5	19.580 mg/L	OK

Titration report

		ALK LOW R6	19.080 mg/L	OK
13	L2536247-08	Sample size	50 mL	
		Potential R4	6.20 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.231 mL	OK
		Consumption 4.2 R3	3.241 mL	OK
		Content R5	64.620 mg/L	OK
		ALK LOW R6	64.420 mg/L	OK
14	L2536247-09	Sample size	50 mL	
		Potential R4	5.55 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.296 mL	OK
		Consumption 4.2 R3	2.315 mL	OK
		Content R5	45.920 mg/L	OK
		ALK LOW R6	45.540 mg/L	OK
15	L2536247-10	Sample size	50 mL	
		Potential R4	5.74 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.057 mL	OK
		Consumption 4.2 R3	3.074 mL	OK
		Content R5	61.140 mg/L	OK
		ALK LOW R6	60.800 mg/L	OK
16	L2536247-11	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.266 mL	OK
		Consumption 4.2 R3	1.278 mL	OK
		Content R5	25.320 mg/L	OK
		ALK LOW R6	25.080 mg/L	OK
17	L2536247-12	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.566 mL	OK
		Consumption 4.2 R3	1.588 mL	OK
		Content R5	31.320 mg/L	OK
		ALK LOW R6	30.880 mg/L	OK
18	WG2081948-2	Sample size	50 mL	
		Potential R4	5.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.553 mL	OK
		Consumption 4.2 R3	1.573 mL	OK
		Content R5	31.060 mg/L	OK
		ALK LOW R6	30.660 mg/L	OK
19	L2536247-13	Sample size	50 mL	
		Potential R4	5.76 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.451 mL	OK

Titration report

		Consumption 4.2 R3	3.472 mL	OK
		Content R5	69.020 mg/L	OK
		ALK LOW R6	68.600 mg/L	OK
20	L2536247-14	Sample size	50 mL	
		Potential R4	5.77 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.438 mL	OK
		Consumption 4.2 R3	3.459 mL	OK
		Content R5	68.760 mg/L	OK
		ALK LOW R6	68.340 mg/L	OK
21	L2536247-15	Sample size	50 mL	
		Potential R4	5.82 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.525 mL	OK
		Consumption 4.2 R3	4.555 mL	OK
		Content R5	90.500 mg/L	OK
		ALK LOW R6	89.900 mg/L	OK
22	L2536247-16	Sample size	50 mL	
		Potential R4	5.72 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.997 mL	OK
		Consumption 4.2 R3	3.013 mL	OK
		Content R5	59.940 mg/L	OK
		ALK LOW R6	59.620 mg/L	OK
23	L2536247-17	Sample size	50 mL	
		Potential R4	5.71 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.025 mL	OK
		Consumption 4.2 R3	3.043 mL	OK
		Content R5	60.500 mg/L	OK
		ALK LOW R6	60.140 mg/L	OK
24	L2536247-18	Sample size	50 mL	
		Potential R4	5.70 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.960 mL	OK
		Consumption 4.2 R3	2.978 mL	OK
		Content R5	59.200 mg/L	OK
		ALK LOW R6	58.840 mg/L	OK
25	L2536247-20	Sample size	50 mL	
		Potential R4	5.74 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.952 mL	OK
		Consumption 4.2 R3	2.967 mL	OK
		Content R5	59.040 mg/L	OK
		ALK LOW R6	58.740 mg/L	OK
26	CCV	Sample size	50 mL	
		Potential R4	10.90 pH	OK

Titration report

		Consumption 8.3 R1	4.891 mL	OK
		Consumption 4.5 R2	5.266 mL	OK
		Consumption 4.2 R3	5.272 mL	OK
		Content R5	105.320 mg/L	OK
		ALK LOW R6	105.200 mg/L	OK
27	CCB	Sample size	50 mL	
		Potential R4	4.48 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	0.016 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
28	L2536121-01	Sample size	50 mL	
		Potential R4	5.26 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.098 mL	OK
		Consumption 4.2 R3	1.112 mL	OK
		Content R5	21.960 mg/L	OK
		ALK LOW R6	21.680 mg/L	OK
29	L2536121-02	Sample size	50 mL	
		Potential R4	5.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.050 mL	OK
		Consumption 4.2 R3	1.059 mL	OK
		Content R5	21.000 mg/L	OK
		ALK LOW R6	20.820 mg/L	OK
30	L2536262-01	Sample size	50 mL	
		Potential R4	4.80 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.226 mL	OK
		Consumption 4.2 R3	0.257 mL	OK
		Content R5	4.520 mg/L	OK
		ALK LOW R6	3.900 mg/L	OK
31	L2536262-02	Sample size	50 mL	
		Potential R4	5.55 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.931 mL	OK
		Consumption 4.2 R3	3.965 mL	OK
		Content R5	78.620 mg/L	OK
		ALK LOW R6	77.940 mg/L	OK
32	L2536262-03	Sample size	50 mL	
		Potential R4	5.51 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.965 mL	OK
		Consumption 4.2 R3	2.998 mL	OK
		Content R5	59.300 mg/L	OK
		ALK LOW R6	58.640 mg/L	OK

Titration report

33	L2536262-04	Sample size	50 mL	
		Potential R4	5.67 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.987 mL	OK
		Consumption 4.2 R3	8.101 mL	OK
		Content R5	159.740 mg/L	OK
		ALK LOW R6	157.460 mg/L	OK
34	L2536262-05	Sample size	50 mL	
		Potential R4	5.83 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	6.327 mL	OK
		Consumption 4.2 R3	6.431 mL	OK
		Content R5	126.540 mg/L	OK
		ALK LOW R6	124.460 mg/L	OK
35	L2536262-06	Sample size	50 mL	
		Potential R4	5.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.196 mL	OK
		Consumption 4.2 R3	1.213 mL	OK
		Content R5	23.920 mg/L	OK
		ALK LOW R6	23.580 mg/L	OK
36	L2536262-07	Sample size	50 mL	
		Potential R4	4.86 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.289 mL	OK
		Consumption 4.2 R3	0.334 mL	OK
		Content R5	5.780 mg/L	OK
		ALK LOW R6	4.880 mg/L	OK
37	L2536262-08	Sample size	50 mL	
		Potential R4	5.54 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.909 mL	OK
		Consumption 4.2 R3	4.016 mL	OK
		Content R5	78.180 mg/L	OK
		ALK LOW R6	76.040 mg/L	OK
38	L2536262-09	Sample size	50 mL	
		Potential R4	5.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.482 mL	OK
		Consumption 4.2 R3	0.495 mL	OK
		Content R5	9.640 mg/L	OK
		ALK LOW R6	9.380 mg/L	OK
39	L2536262-10	Sample size	50 mL	
		Potential R4	5.54 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.628 mL	OK
		Consumption 4.2 R3	1.646 mL	OK

Titration report

		Content R5	32.560 mg/L	OK
		ALK LOW R6	32.200 mg/L	OK
40	L2536262-11	Sample size	50 mL	
		Potential R4	5.72 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	3.199 mL	OK
		Consumption 4.2 R3	3.228 mL	OK
		Content R5	63.980 mg/L	OK
		ALK LOW R6	63.400 mg/L	OK
41	L2536262-12	Sample size	50 mL	
		Potential R4	5.60 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.751 mL	OK
		Consumption 4.2 R3	1.768 mL	OK
		Content R5	35.020 mg/L	OK
		ALK LOW R6	34.680 mg/L	OK
42	L2536418-01	Sample size	50 mL	
		Potential R4	6.43 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	23.283 mL	OK
		Consumption 4.2 R3	23.527 mL	OK
		Content R5	465.660 mg/L	OK
		ALK LOW R6	460.780 mg/L	OK
43	WG2081968-3	Sample size	50 mL	
		Potential R4	6.49 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	23.218 mL	OK
		Consumption 4.2 R3	23.471 mL	OK
		Content R5	464.360 mg/L	OK
		ALK LOW R6	459.300 mg/L	OK
44	WG2081968-4	Sample size	50 mL	
		Potential R4	8.24 pH	OK
		Consumption 8.3 R1	0.692 mL	OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
45	L2536418-02	Sample size	50 mL	
		Potential R4	6.60 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	18.878 mL	OK
		Consumption 4.2 R3	19.066 mL	OK
		Content R5	377.560 mg/L	OK
		ALK LOW R6	373.800 mg/L	OK
46	L2536418-03	Sample size	50 mL	
		Potential R4	6.30 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK

Titration report

		Consumption 4.5 R2	14.854 mL	OK
		Consumption 4.2 R3	15.004 mL	OK
		Content R5	297.080 mg/L	OK
		ALK LOW R6	294.080 mg/L	OK
47	L2536418-04	Sample size	50 mL	
		Potential R4	6.56 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	18.800 mL	OK
		Consumption 4.2 R3	18.985 mL	OK
		Content R5	376.000 mg/L	OK
		ALK LOW R6	372.300 mg/L	OK
48	L2536540-03	Sample size	50 mL	
		Potential R4	5.69 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.571 mL	OK
		Consumption 4.2 R3	2.596 mL	OK
		Content R5	51.420 mg/L	OK
		ALK LOW R6	50.920 mg/L	OK
49	L2536540-04	Sample size	50 mL	
		Potential R4	5.64 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.686 mL	OK
		Consumption 4.2 R3	2.721 mL	OK
		Content R5	53.720 mg/L	OK
		ALK LOW R6	53.020 mg/L	OK
50	WG2081968-2	Sample size	50 mL	
		Potential R4	10.95 pH	OK
		Consumption 8.3 R1	4.881 mL	OK
		Consumption 4.5 R2	5.297 mL	OK
		Consumption 4.2 R3	5.300 mL	OK
		Content R5	105.940 mg/L	OK
		ALK LOW R6	105.880 mg/L	OK
51	WG2081968-1	Sample size	50 mL	
		Potential R4	4.47 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	0.014 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
52	WG2081968-4 1x+10	Sample size	50 mL	
		Potential R4	5.89 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	18.285 mL	OK
		Consumption 4.2 R3	18.569 mL	OK
		Content R5	365.700 mg/L	OK
		ALK LOW R6	360.020 mg/L	OK
53	L2536215-01	Sample size	50 mL	

Titration report

		Potential R4	6.12 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.071 mL	OK
		Consumption 4.2 R3	11.211 mL	OK
		Content R5	221.420 mg/L	OK
		ALK LOW R6	218.620 mg/L	OK
54	L2536215-02	Sample size	50 mL	
		Potential R4	6.05 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	11.576 mL	OK
		Consumption 4.2 R3	11.723 mL	OK
		Content R5	231.520 mg/L	OK
		ALK LOW R6	228.580 mg/L	OK
55	L2536215-03	Sample size	50 mL	
		Potential R4	6.17 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.323 mL	OK
		Consumption 4.2 R3	9.406 mL	OK
		Content R5	186.460 mg/L	OK
		ALK LOW R6	184.800 mg/L	OK
56	L2536215-04	Sample size	50 mL	
		Potential R4	6.41 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	17.697 mL	OK
		Consumption 4.2 R3	17.897 mL	OK
		Content R5	353.940 mg/L	OK
		ALK LOW R6	349.940 mg/L	OK
57	L2536215-05	Sample size	50 mL	
		Potential R4	6.10 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.052 mL	OK
		Consumption 4.2 R3	12.180 mL	OK
		Content R5	241.040 mg/L	OK
		ALK LOW R6	238.480 mg/L	OK
58	L2536216-01	Sample size	50 mL	
		Potential R4	5.77 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	4.288 mL	OK
		Consumption 4.2 R3	4.332 mL	OK
		Content R5	85.760 mg/L	OK
		ALK LOW R6	84.880 mg/L	OK
59	L2536534-01	Sample size	50 mL	
		Potential R4	5.96 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.741 mL	OK
		Consumption 4.2 R3	9.851 mL	OK
		Content R5	194.820 mg/L	OK

Titration report

		ALK LOW R6	192.620 mg/L	OK
60	L2536534-02	Sample size	50 mL	
		Potential R4	6.04 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	13.191 mL	OK
		Consumption 4.2 R3	13.378 mL	OK
		Content R5	263.820 mg/L	OK
		ALK LOW R6	260.080 mg/L	OK
61	L2536534-03	Sample size	50 mL	
		Potential R4	6.24 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	10.190 mL	OK
		Consumption 4.2 R3	10.326 mL	OK
		Content R5	203.800 mg/L	OK
		ALK LOW R6	201.080 mg/L	OK
62	L2536534-04	Sample size	50 mL	
		Potential R4	6.42 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	12.085 mL	OK
		Consumption 4.2 R3	12.256 mL	OK
		Content R5	241.700 mg/L	OK
		ALK LOW R6	238.280 mg/L	OK
63	L2536534-05	Sample size	50 mL	
		Potential R4	6.28 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	18.859 mL	OK
		Consumption 4.2 R3	19.224 mL	OK
		Content R5	377.180 mg/L	OK
		ALK LOW R6	369.880 mg/L	OK
64	L2536694-02	Sample size	50 mL	
		Potential R4	4.91 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.100 mL	OK
		Consumption 4.2 R3	0.140 mL	OK
		Content R5	2.000 mg/L	OK
		ALK LOW R6	1.200 mg/L	OK
65	L2536694-08	Sample size	50 mL	
		Potential R4	5.51 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	2.062 mL	OK
		Consumption 4.2 R3	2.102 mL	OK
		Content R5	41.240 mg/L	OK
		ALK LOW R6	40.440 mg/L	OK
66	L2536730-01	Sample size	50 mL	
		Potential R4	4.25 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK

Titration report

		Consumption 4.2 R3	0.166 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
67	WG2081969-5	Sample size	50 mL	
		Potential R4	4.29 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	0.184 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
68	WG2081969-6	Sample size	50 mL	
		Potential R4	4.70 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.350 mL	OK
		Consumption 4.2 R3	0.721 mL	OK
		Content R5	7.000 mg/L	OK
		ALK LOW R6	-0.420 mg/L	OK
69	L2536730-02	Sample size	50 mL	
		Potential R4	4.29 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	0.174 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
70	L2536730-03	Sample size	50 mL	
		Potential R4	5.60 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	1.385 mL	OK
		Consumption 4.2 R3	1.415 mL	OK
		Content R5	27.700 mg/L	OK
		ALK LOW R6	27.100 mg/L	OK
71	L2536730-04	Sample size	50 mL	
		Potential R4	5.63 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.230 mL	OK
		Consumption 4.2 R3	0.290 mL	OK
		Content R5	4.600 mg/L	OK
		ALK LOW R6	3.400 mg/L	OK
72	L2536981-01	Sample size	50 mL	
		Potential R4	5.96 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	9.500 mL	OK
		Consumption 4.2 R3	9.645 mL	OK
		Content R5	190.000 mg/L	OK
		ALK LOW R6	187.100 mg/L	OK
73	L2536981-02	Sample size	50 mL	
		Potential R4	6.04 pH	OK

Titration report

		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	7.305 mL	OK
		Consumption 4.2 R3	7.404 mL	OK
		Content R5	146.100 mg/L	OK
		ALK LOW R6	144.120 mg/L	OK
74	L2536981-03	Sample size	50 mL	
		Potential R4	6.16 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	NaN mL	Not OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
75	L2536981-03 5x	Sample size	50 mL	
		Potential R4	6.05 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	5.514 mL	OK
		Consumption 4.2 R3	6.843 mL	OK
		Content R5	110.280 mg/L	OK
		ALK LOW R6	83.700 mg/L	OK
76	WG2081969-2	Sample size	50 mL	
		Potential R4	11.03 pH	OK
		Consumption 8.3 R1	4.879 mL	OK
		Consumption 4.5 R2	5.238 mL	OK
		Consumption 4.2 R3	5.243 mL	OK
		Content R5	104.760 mg/L	OK
		ALK LOW R6	104.660 mg/L	OK
77	WG2081969-1	Sample size	50 mL	
		Potential R4	4.40 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	NaN mL	Not OK
		Consumption 4.2 R3	0.012 mL	OK
		Content R5	NaN mg/L	Not OK
		ALK LOW R6	NaN mg/L	Not OK
78		Sample size	50 mL	
		Potential R4	5.65 pH	OK
		Consumption 8.3 R1	NaN mL	Not OK
		Consumption 4.5 R2	0.108 mL	OK
		Consumption 4.2 R3	0.135 mL	OK
		Content R5	2.160 mg/L	OK
		ALK LOW R6	1.620 mg/L	OK

Statistics

R1

Mean	NaN mL		
Maximum	4.986 mL	**Minimum**	0.692 mL

Titration report

Standard deviation	NaN mL	**Rel. standard deviation**	NaN %
Total samples	78	**Samples excluded**	0

R2

Mean	NaN mL		
Maximum	23.283 mL	**Minimum**	0.100 mL
Standard deviation	NaN mL	**Rel. standard deviation**	NaN %
Total samples	78	**Samples excluded**	0

R3

Mean	NaN mL		
Maximum	23.527 mL	**Minimum**	0.004 mL
Standard deviation	NaN mL	**Rel. standard deviation**	NaN %
Total samples	78	**Samples excluded**	0

R4

Mean	5.97 pH		
Maximum	11.03 pH	**Minimum**	4.04 pH
Standard deviation	1.46 pH	**Rel. standard deviation**	24.510 %
Total samples	78	**Samples excluded**	0

R5

Mean	NaN mg/L		
Maximum	465.660 mg/L	**Minimum**	2.000 mg/L
Standard deviation	NaN mg/L	**Rel. standard deviation**	NaN %
Total samples	78	**Samples excluded**	0

R6

Mean	NaN mg/L		
Maximum	460.780 mg/L	**Minimum**	-0.420 mg/L
Standard deviation	NaN mg/L	**Rel. standard deviation**	NaN %
Total samples	78	**Samples excluded**	0

Used Instruments

Name	T7 Excellence Titrator	**Serial number**	C329519495

Responsible User

Time	Login name	Full name
6/22/2025 8:54:49 AM	SystemInternal	System internal account

(17) Data compression on instrument occurred

Titration report

Method

Method ID	pH Cal. 7 4 10	**Release state**	Released
Name	Calibration	**Modified by**	SystemInternal
Modified on	10/3/2023 12:47:09 PM		

Summary

Samples

	Sample ID	Name	Result	State
1	METTLER TOLEDO (Ref. 25°C) pH	pH	7.00	
2	METTLER TOLEDO (Ref. 25°C) pH	pH	4.01	
3	METTLER TOLEDO (Ref. 25°C) pH	pH	10.00	

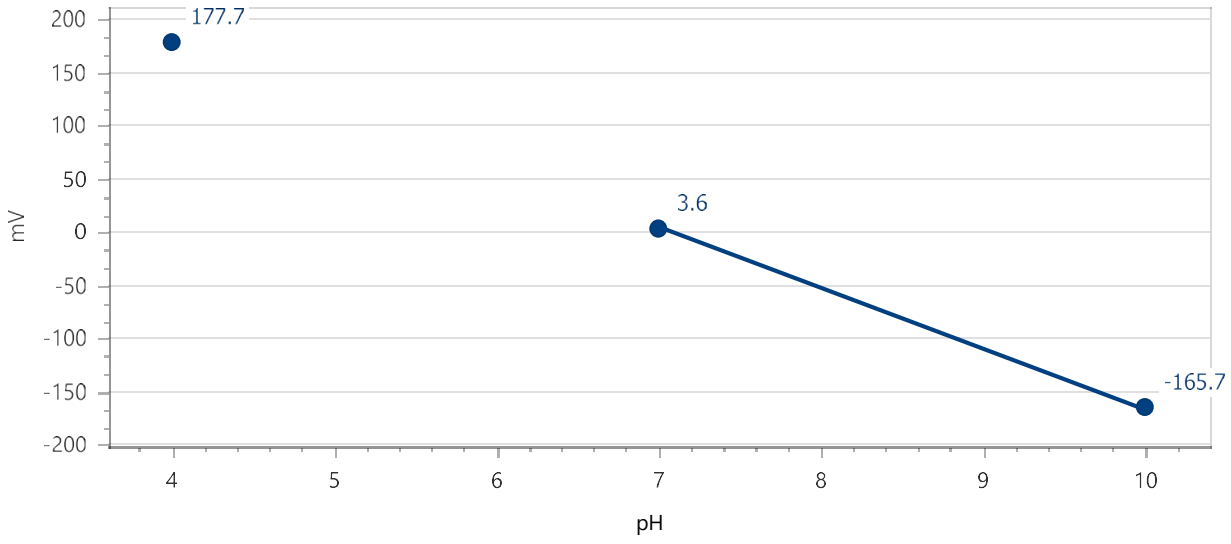
Results

Zero point 1 Cal1.Z1	7.094 pH
Slope 1 Cal1.S1	-57.33 mV/pH

Calibration

Sensor	Sensor DG111-SC
Creation time	6/22/2025 8:47:14 AM
Overall state	OK
Successful	Yes
Calib. temperature	25.0 °C
SLOPECal	-57.33 mV/pH
ZEROCal	7.094 pH

Calibration Curve



Used Instruments

Titration report

Name	T7 Excellence Titrator	**Serial number**	C329519495

Responsible User

Time	Login name	Full name
6/22/2025 8:42:46 AM	SystemInternal	System internal account

Titration report

Method

Method ID	pH Measure	**Release state**	Released
Name	Measure	**Modified by**	SystemInternal
Modified on	2/23/2024 9:31:05 AM		

Summary

Samples

	Sample ID	Name	Result	State
1	--	Sample size	0 mL	
		Potential R1	7.04 pH	OK

Used Instruments

Name	T7 Excellence Titrator	**Serial number**	C329519495

Responsible User

Time	Login name	Full name
6/22/2025 8:42:54 AM	SystemInternal	System internal account

Quality Control

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/22/25 09:48
Dup Sample ID	: WG2081948-2	**DUP Analysis Date**	: 06/22/25 09:50

Parameter	Sample Concentration (mg CaCO3/L)	Duplicate Concentration (mg CaCO3/L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	31.3	31.1	1	9

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Alkalinity, Total	471-34-1	2		mg CaCO3/L	90-110	10	86-116	10	10	2320B	14 days	1 - Plastic 250ml unpreserved/No Headspace

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Alkalinity

$$\text{Alkalinity, mg } CaCO_3/L = \frac{A \times N \times 50{,}000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

Sequence Logs

CAL	240622	LCS 7.04	7.04	INT:	mrw
pH 4	3484	Titrant:	4385		
pH 7	3485	LCS:	3530		
pH 10	3483	MS:	3529		
LCS	3597				

1	Rinse	42	L2536418-01
2	Rinse	43	WG2081968-3
3	blank	44	WG2081968-4
4	lcs	45	L2536418-02
5	lcs	46	L2536418-03
6	L2536247-01	47	L2536418-04
7	L2536247-02	48	L2536540-03
8	L2536247-03	49	L2536540-04
9	L2536247-04	50	WG2081968-2
10	L2536247-05	51	WG2081968-1
11	L2536247-06	52	WG2081968-4 1x+10
12	L2536247-07	53	L2536215-01
13	L2536247-08	54	L2536215-02
14	L2536247-09	55	L2536215-03
15	L2536247-10	56	L2536215-04
16	L2536247-11	57	L2536215-05
17	L2536247-12	58	L2536216-01
18	WG2081948-2	59	L2536534-01
19	L2536247-13	60	L2536534-02
20	L2536247-14	61	L2536534-03
21	L2536247-15	62	L2536534-04
22	L2536247-16	63	L2536534-05
23	L2536247-17	64	L2536694-02
24	L2536247-18	65	L2536694-08
25	L2536247-20	66	L2536730-01
26	CCV	67	WG2081969-5
27	CCB	68	WG2081969-6
28	L2536121-01	69	L2536730-02
29	L2536121-02	70	L2536730-03
30	L2536262-01	71	L2536730-04
31	L2536262-02	72	L2536981-01
32	L2536262-03	73	L2536981-02
33	L2536262-04	74	L2536981-03
34	L2536262-05	75	L2536981-03 5x
35	L2536262-06	76	WG2081969-2
36	L2536262-07	77	WG2081969-1
37	L2536262-08		
38	L2536262-09		
39	L2536262-10		
40	L2536262-11		
41	L2536262-12		

Chloride Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 22:45
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	16.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-02	**Date Collected**	:	06/10/25 12:50
Client ID	:	MW-06B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:45
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	25.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 22:46
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	15.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-04	**Date Collected**	:	06/10/25 12:00
Client ID	:	MW-07B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:49
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	18.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-05	**Date Collected**	:	06/10/25 10:00
Client ID	:	MW-10B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:49
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	30.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-06	**Date Collected**	:	06/10/25 10:00
Client ID	:	MW-10A	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:50
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	24.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-07	**Date Collected**	:	06/10/25 09:10
Client ID	:	MW-09A	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:51
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	20.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 22:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	9.3	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-09	**Date Collected**	:	06/09/25 15:02
Client ID	:	MW-05B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:52
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	24.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 22:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	17.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-11	**Date Collected**	:	06/09/25 14:20
Client ID	:	MW-08B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 22:54
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	8.7	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/25/25 03:34
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-F1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	27.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-13	**Date Collected**	:	06/09/25 12:00
Client ID	:	MW-02A	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/25/25 03:36
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-F1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	14.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 22:59
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	16.	1.0	0.89	

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-15	**Date Collected**	:	06/09/25 10:55
Client ID	:	MW-03B	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/24/25 23:00
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500CL-E	**Analyst**	:	MRM
Lab File ID	:	CL250624-C1	**Instrument ID**	:	LACHAT
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	17.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/25/25 03:37
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-F1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	17.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/25/25 03:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-F1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	17.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 23:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	16.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/24/25 23:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	17.	1.0	0.89	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082940-1	**Date Collected**	: NA
Client ID	: WG2082940-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/24/25 21:36
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-C1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082940-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/25/25 03:35
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500CL-E	**Analyst**	: MRM
Lab File ID	: CL250624-F1	**Instrument ID**	: LACHAT
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16887-00-6	Chloride	27.	1.0	0.89	

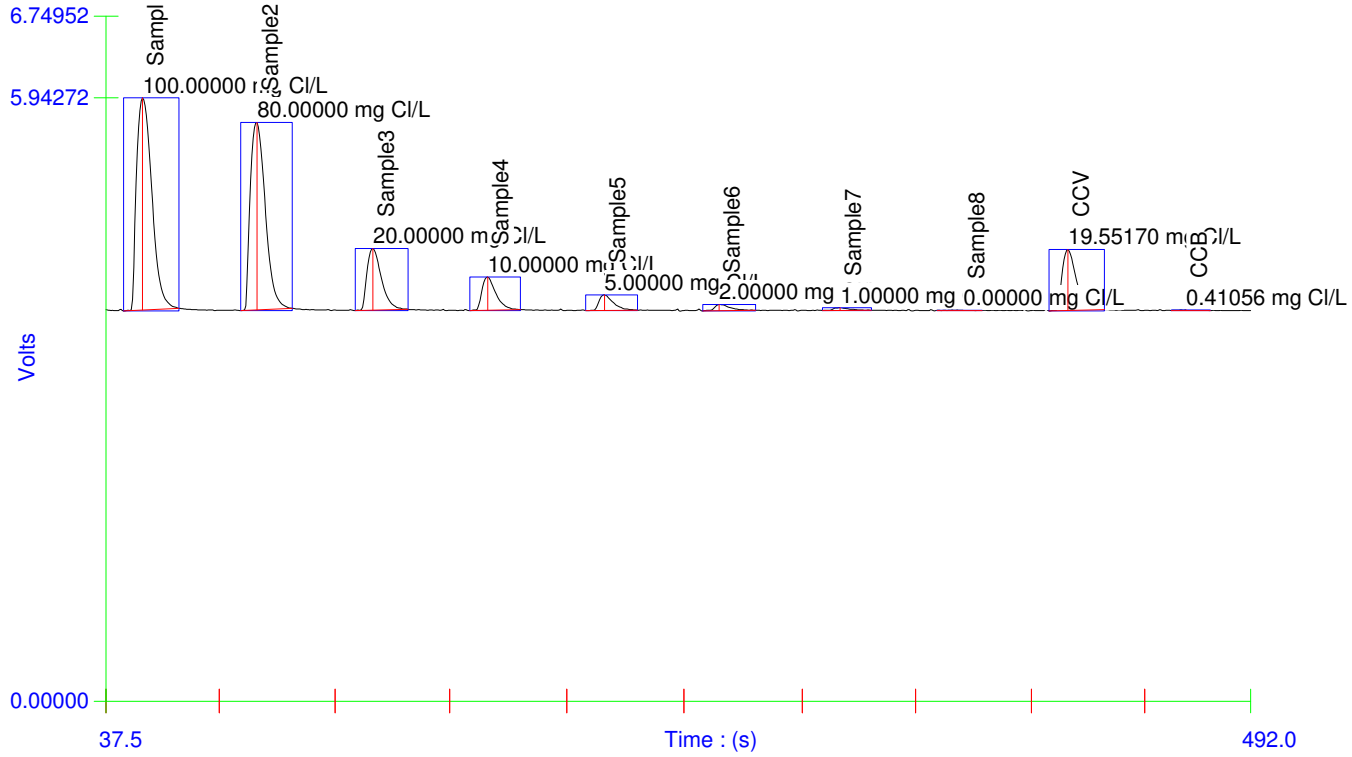
Sample Raw Data

Author: Date : 6/24/2025

Original Run Filename: OM_6-24-2025_05-03-13PM.OMN Created: 6/24/2025 5:03:13 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_05-03-13PM.OMN Last Modified: 6/24/2025 5:18:35 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	19.55170			
		Known Conc:	20.00000			
		Calibration:	Table/Fig. : 1			
CCB	1	S9	0.41056			
		Known Conc:	0.00000			
ICV 5	1	1	5.02408			
ICV 30	1	2	30.90726			
ICV 80	1	3	83.97937			
ICB	1	4	0.65238			
100 PPM	1	5	110.54465	10.00		
WG2082897-1	1	6	0.55724			
WG2082897-2	1	7	31.20835			

Channel 1 (Chloride) - Set: 1 / 2



Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 2 / 2

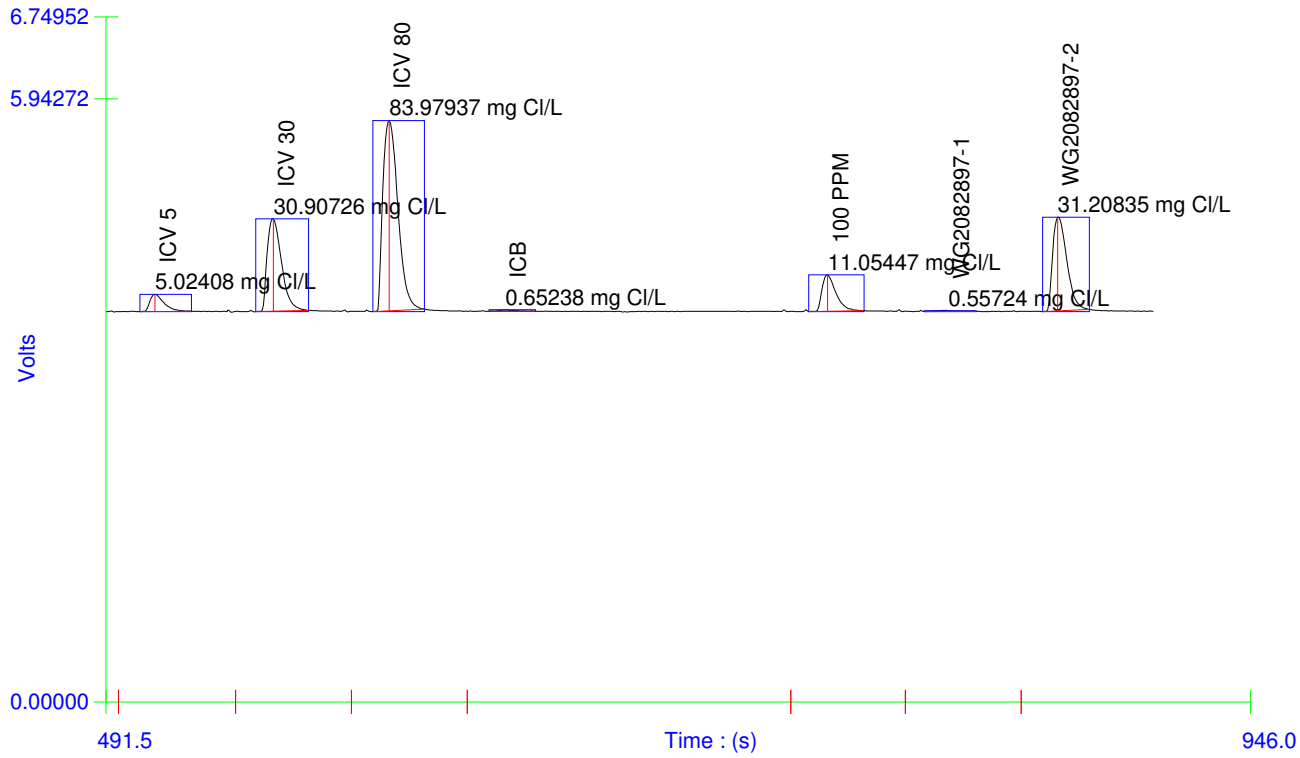
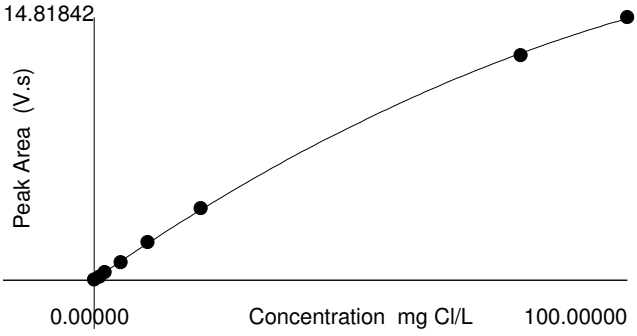


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.81842	2.09066	0.0	-0.5	99.63751	6/24/2025	5:04:04 PM
2	80.00000	1	12.66912	1.84665	0.0	0.9	80.51614	6/24/2025	5:04:49 PM
3	20.00000	1	4.04780	0.60835	0.0	-2.3	19.85811	6/24/2025	5:05:35 PM
4	10.00000	1	2.13560	0.32761	0.0	-3.8	9.88408	6/24/2025	5:06:21 PM
5	5.00000	1	1.00750	0.15441	0.0	5.2	4.59241	6/24/2025	5:07:07 PM
6	2.00000	1	0.44149	0.06084	0.0	2.1	2.10304	6/24/2025	5:07:53 PM
7	1.00000	1	0.19291	0.02723	0.0	21.2	1.04476	6/24/2025	5:08:41 PM
8	0.00000	1	0.03029	0.00333			0.36397	6/24/2025	5:09:26 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00061 * Conc^2 + 0.20816 * Conc + 0.03726
Conc = 0.17276 * Area^2 + 4.14775 * Area + 0.23819
Correlation Coefficient (r) = 0.99992

Weighting : None

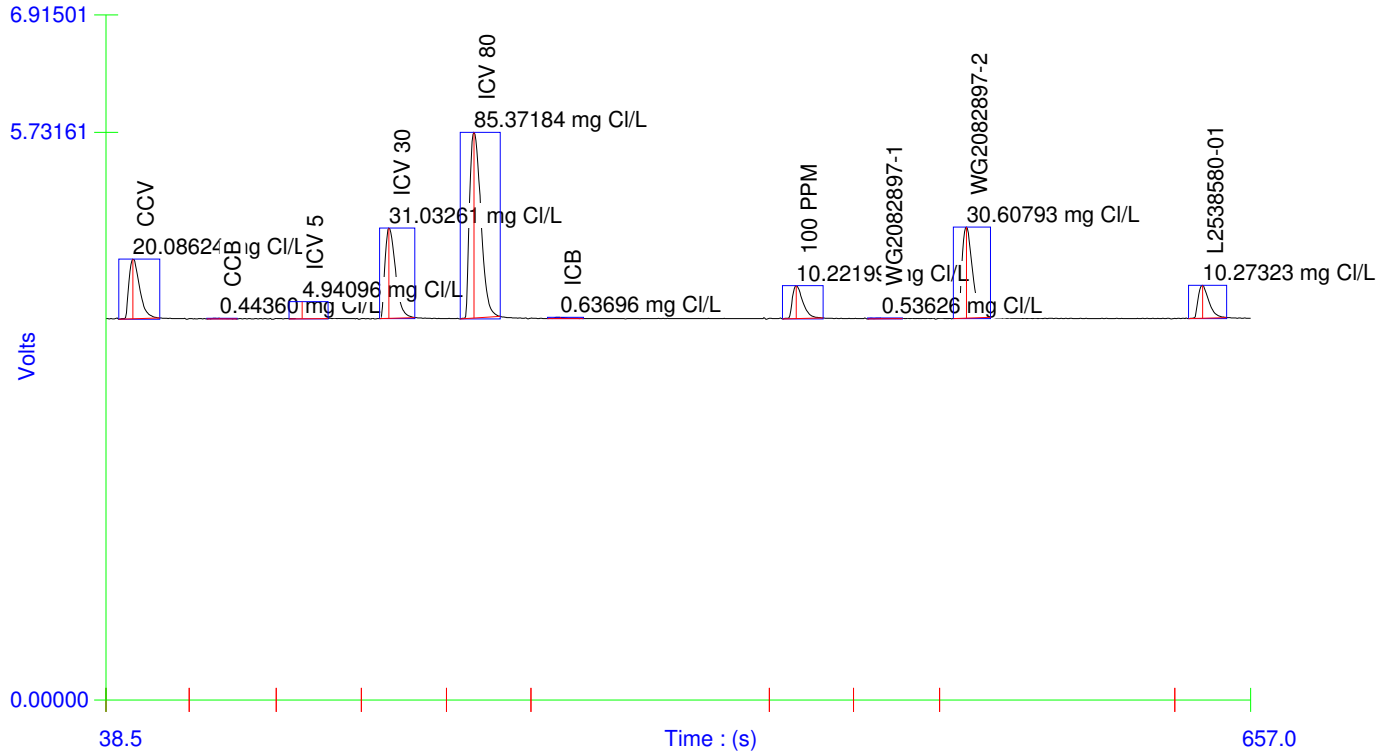
Author: Date : 6/24/2025

Original Run Filename: OM_6-24-2025_05-19-03PM.OMN Created: 6/24/2025 5:19:03 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_05-19-03PM.OMN Last Modified: 6/24/2025 5:45:10 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

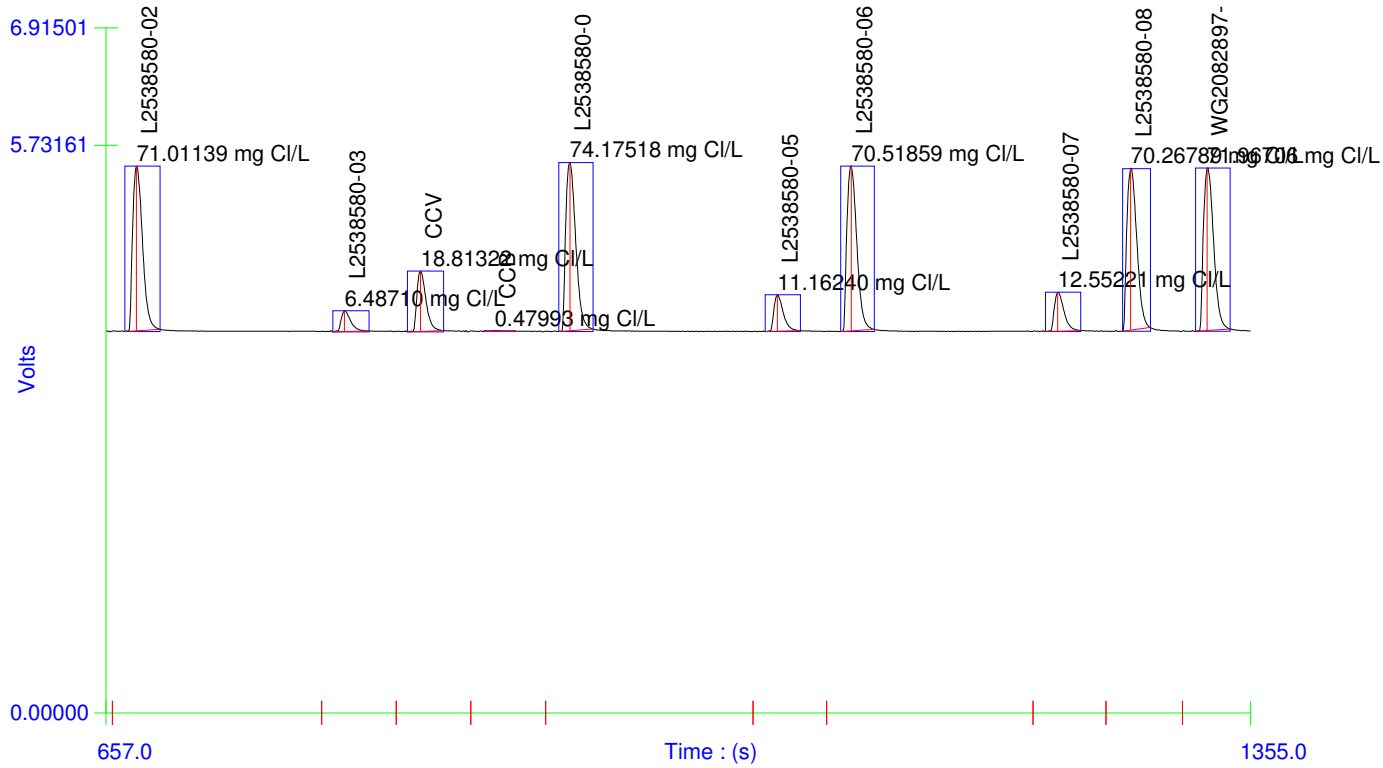
Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	20.08624			
	Known Conc:		20.00000			
CCB	1	S9	0.44360			
	Known Conc:		0.00000			
	Calibration:		Table/Fig. : 1			
ICV 5	1	1	4.94096			
ICV 30	1	2	31.03261			
ICV 80	1	3	85.37184			
ICB	1	4	0.63696			
100 PPM	1	5	102.21989	10.00		
WG2082897-1	1	6	0.53626			
WG2082897-2	1	7	30.60793			
L2538580-01	1	8	10273.23047	10.00	100.00	
L2538580-02	1	9	7101.13916		100.00	
L2538580-03	1	10	6487.10400	10.00	100.00	
CCV	1	S3	18.81322			
	Known Conc:		20.00000			
CCB	1	S9	0.47993			
	Known Conc:		0.00000			
L2538580-04	1	11	7417.51807		100.00	
L2538580-05	1	12	11162.39844	10.00	100.00	
L2538580-06	1	13	7051.85938		100.00	
L2538580-07	1	14	12552.20508	10.00	100.00	
L2538580-08	1	15	7026.78906		100.00	
WG2082897-3	1	16	7196.70654		100.00	
WG2082897-4	1	17	7024.14258		100.00	
CCV	1	S3	19.06139			
	Known Conc:		20.00000			
CCB	1	S9	0.50252			
	Known Conc:		0.00000			

Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 1 / 3



Channel 1 (Chloride) - Set: 2 / 3



Channel 1 (Chloride) - Set: 3 / 3

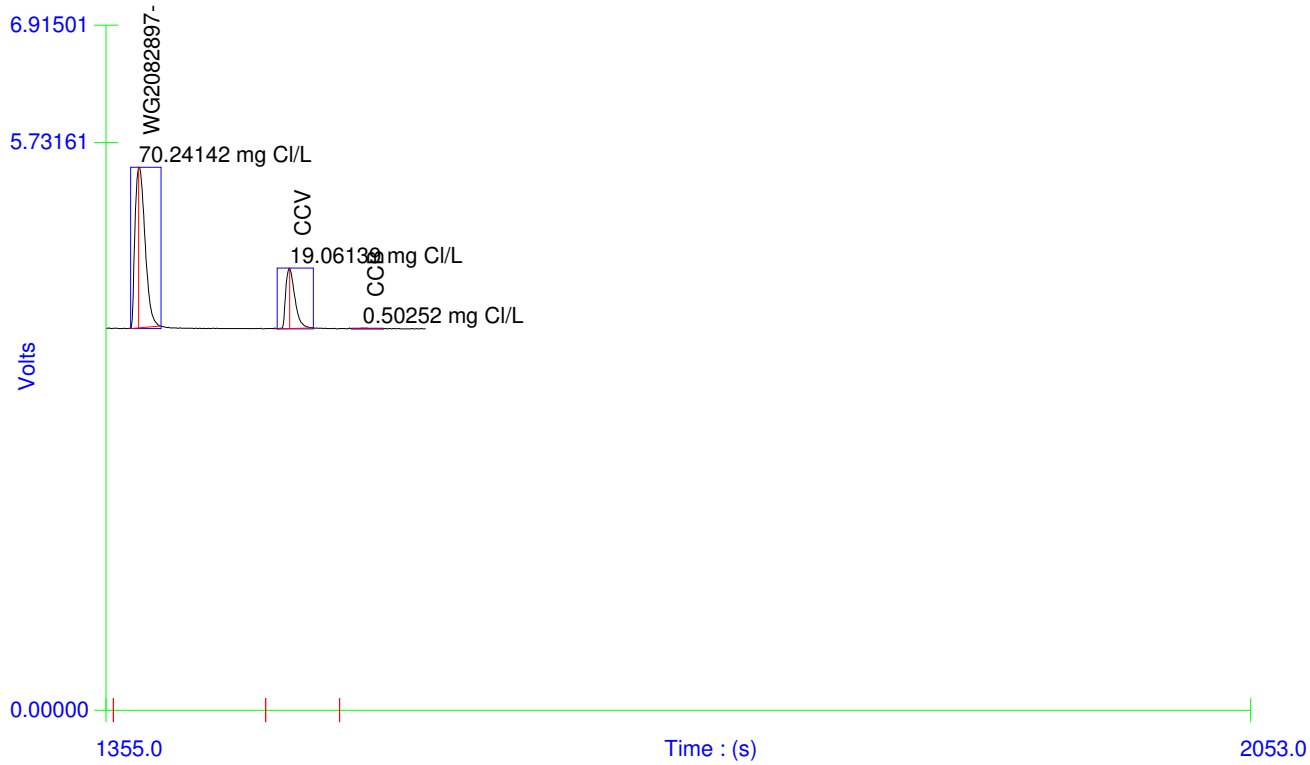
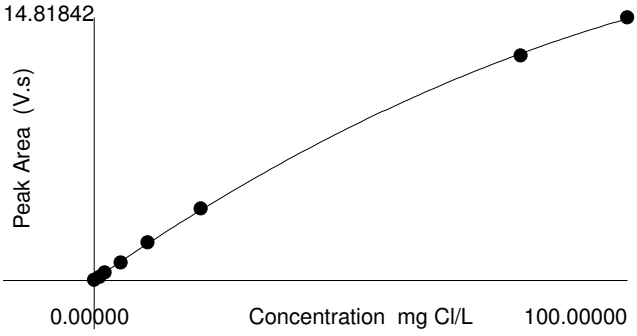


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.81842	2.09066	0.0	-0.5	99.63751	6/24/2025	5:04:04 PM
2	80.00000	1	12.66912	1.84665	0.0	0.9	80.51614	6/24/2025	5:04:49 PM
3	20.00000	1	4.04780	0.60835	0.0	-2.3	19.85811	6/24/2025	5:05:35 PM
4	10.00000	1	2.13560	0.32761	0.0	-3.8	9.88408	6/24/2025	5:06:21 PM
5	5.00000	1	1.00750	0.15441	0.0	5.2	4.59241	6/24/2025	5:07:07 PM
6	2.00000	1	0.44149	0.06084	0.0	2.1	2.10304	6/24/2025	5:07:53 PM
7	1.00000	1	0.19291	0.02723	0.0	21.2	1.04476	6/24/2025	5:08:41 PM
8	0.00000	1	0.03029	0.00333			0.36397	6/24/2025	5:09:26 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00061 * Conc^2 + 0.20816 * Conc + 0.03726
Conc = 0.17276 * Area^2 + 4.14775 * Area + 0.23819
Correlation Coefficient (r) = 0.99992

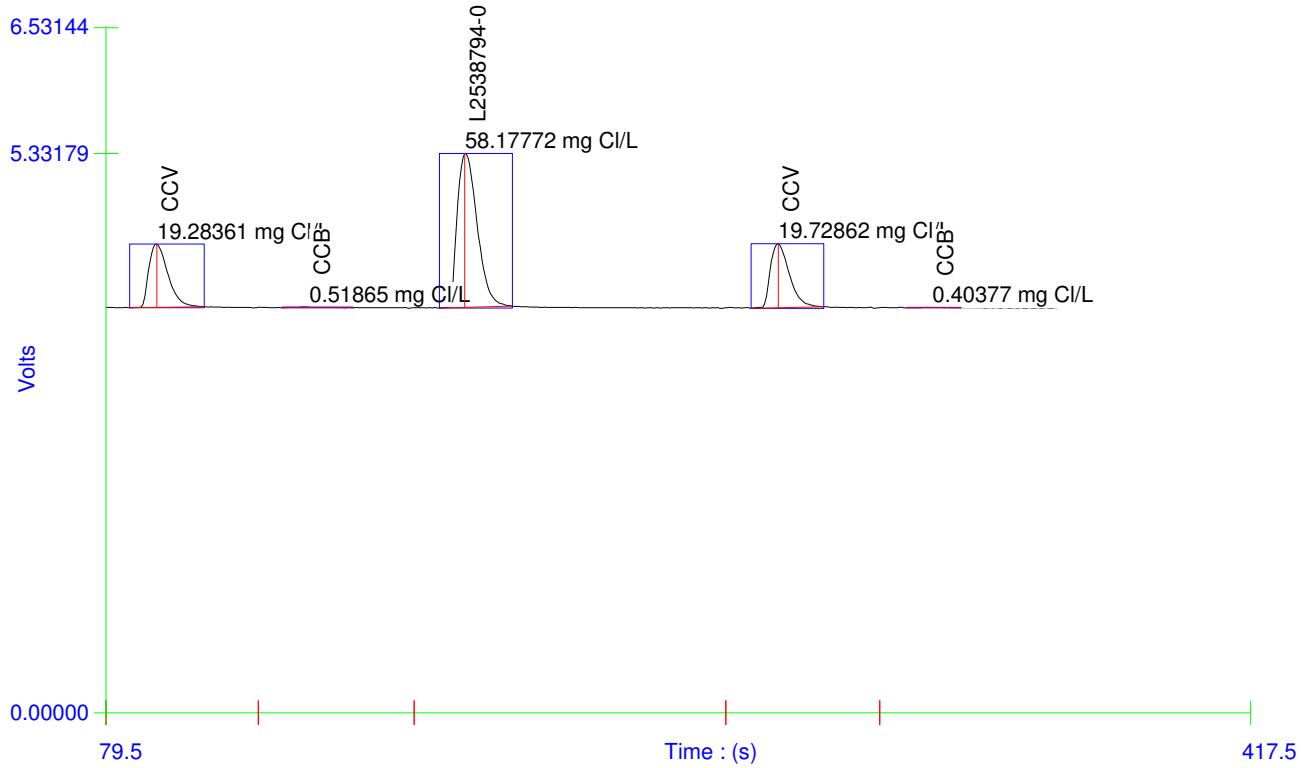
Weighting : None

Author: Date : 6/24/2025

Original Run Filename: OM_6-24-2025_06-49-09PM.OMN Created: 6/24/2025 6:49:09 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_06-49-09PM.OMN Last Modified: 6/24/2025 6:55:12 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	19.28361			
		Known Conc:	20.00000			
		Calibration:	Table/Fig. : 1			
CCB	1	S9	0.51865			
		Known Conc:	0.00000			
L2538794-01	1	18	58.17772			
CCV	1	S3	19.72862			
		Known Conc:	20.00000			
CCB	1	S9	0.40377			
		Known Conc:	0.00000			

Channel 1 (Chloride) - Set: 1 / 1

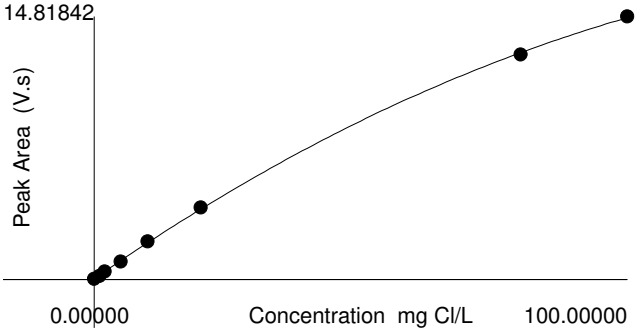


Author: Date : 6/24/2025

Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.81842	2.09066	0.0	-0.5	99.63751	6/24/2025	5:04:04 PM
2	80.00000	1	12.66912	1.84665	0.0	0.9	80.51614	6/24/2025	5:04:49 PM
3	20.00000	1	4.04780	0.60835	0.0	-2.3	19.85811	6/24/2025	5:05:35 PM
4	10.00000	1	2.13560	0.32761	0.0	-3.8	9.88408	6/24/2025	5:06:21 PM
5	5.00000	1	1.00750	0.15441	0.0	5.2	4.59241	6/24/2025	5:07:07 PM
6	2.00000	1	0.44149	0.06084	0.0	2.1	2.10304	6/24/2025	5:07:53 PM
7	1.00000	1	0.19291	0.02723	0.0	21.2	1.04476	6/24/2025	5:08:41 PM
8	0.00000	1	0.03029	0.00333			0.36397	6/24/2025	5:09:26 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00061 * Conc^2 + 0.20816 * Conc + 0.03726
Conc = 0.17276 * Area^2 + 4.14775 * Area + 0.23819
Correlation Coefficient (r) = 0.99992

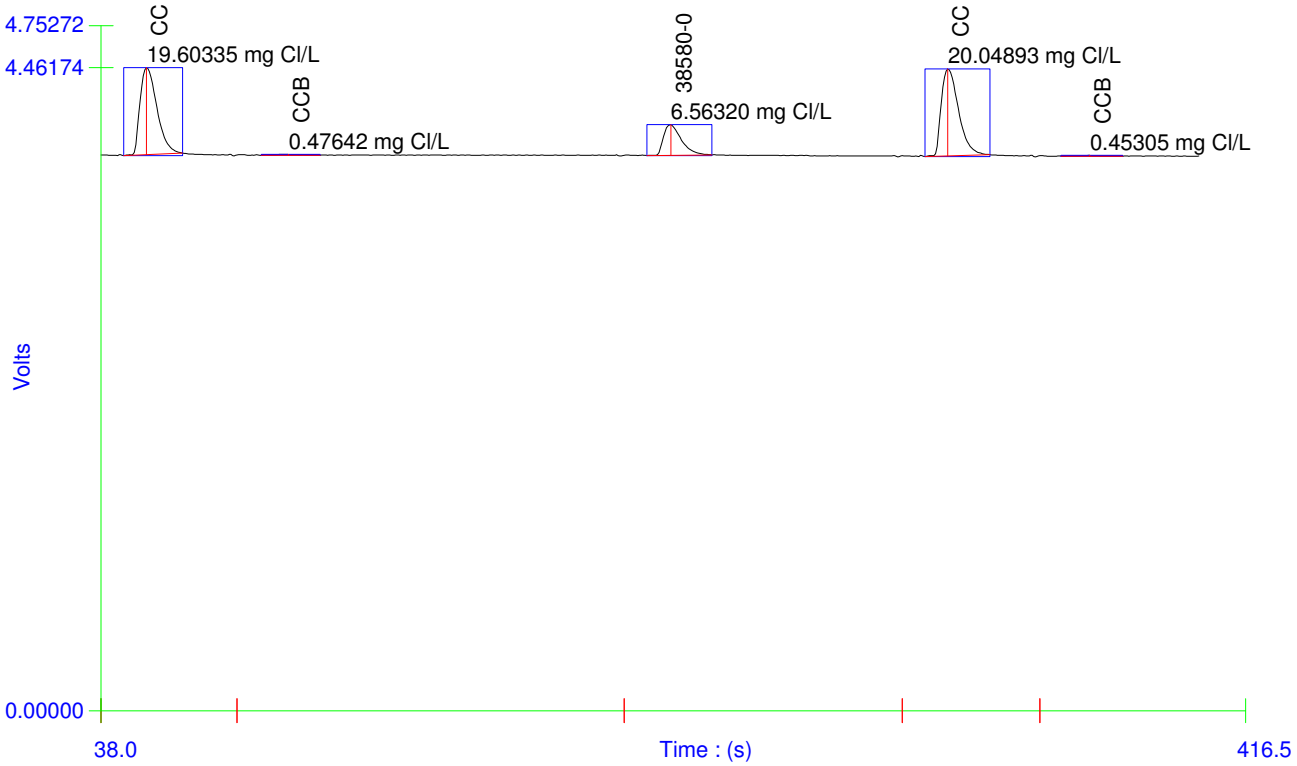
Weighting : None

Author: Date : 6/24/2025

Original Run Filename: OM_6-24-2025_06-56-33PM.OMN Created: 6/24/2025 6:56:33 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_06-56-33PM.OMN Last Modified: 6/24/2025 7:03:28 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	19.60335			
		Known Conc:	20.00000			
		Calibration:	Table/Fig. : 1			
CCB	1	S9	0.47642			
		Known Conc:	0.00000			
38580-03	1	19	6563.20361	10.00	100.00	
CCV	1	S3	20.04893			
		Known Conc:	20.00000			
CCB	1	S9	0.45305			
		Known Conc:	0.00000			

Channel 1 (Chloride) - Set: 1 / 1

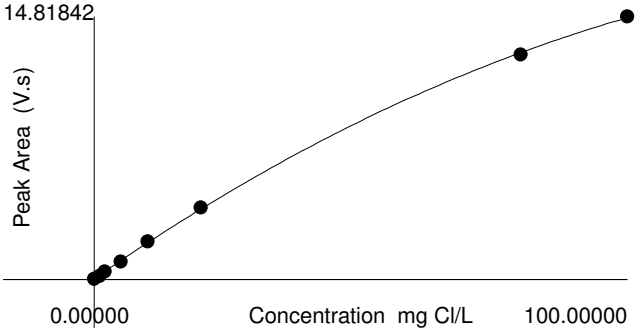


Author: Date : 6/24/2025

Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.81842	2.09066	0.0	-0.5	99.63751	6/24/2025	5:04:04 PM
2	80.00000	1	12.66912	1.84665	0.0	0.9	80.51614	6/24/2025	5:04:49 PM
3	20.00000	1	4.04780	0.60835	0.0	-2.3	19.85811	6/24/2025	5:05:35 PM
4	10.00000	1	2.13560	0.32761	0.0	-3.8	9.88408	6/24/2025	5:06:21 PM
5	5.00000	1	1.00750	0.15441	0.0	5.2	4.59241	6/24/2025	5:07:07 PM
6	2.00000	1	0.44149	0.06084	0.0	2.1	2.10304	6/24/2025	5:07:53 PM
7	1.00000	1	0.19291	0.02723	0.0	21.2	1.04476	6/24/2025	5:08:41 PM
8	0.00000	1	0.03029	0.00333			0.36397	6/24/2025	5:09:26 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00061 * Conc^2 + 0.20816 * Conc + 0.03726
Conc = 0.17276 * Area^2 + 4.14775 * Area + 0.23819
Correlation Coefficient (r) = 0.99992

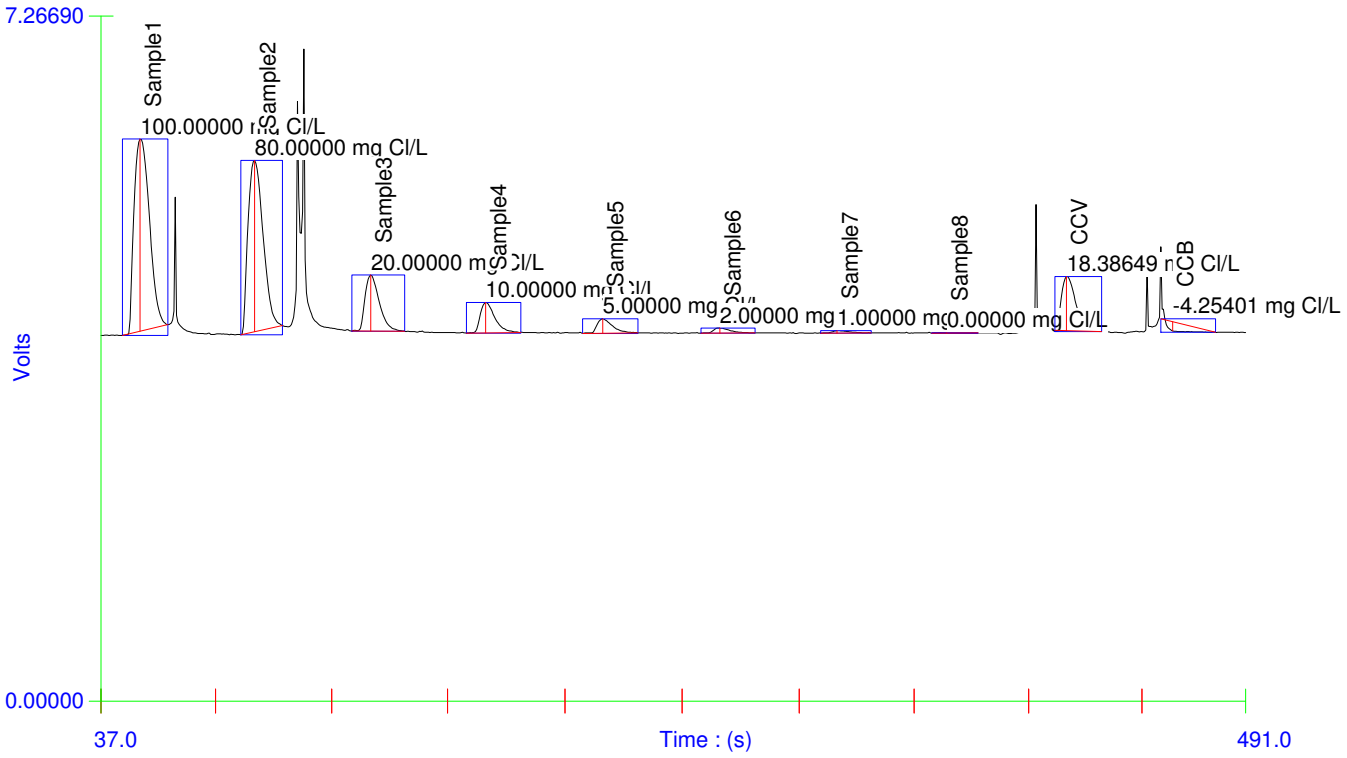
Weighting : None

Author: Date : 6/24/2025

Original Run Filename: OM_6-24-2025_07-36-40PM.OMN Created: 6/24/2025 7:36:40 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_07-36-40PM.OMN Last Modified: 6/24/2025 7:48:36 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	18.38649			
		Known Conc:	20.00000			
		Calibration:	Table/Fig. : 1			
CCB	1	S9	-4.25401			
		Known Conc:	0.00000			
ICV 5	1	86	5.75594			
ICV 30	1	87	31.17840			
ICV 80	1	88	85.42934			

Channel 1 (Chloride) - Set: 1 / 2



Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 2 / 2

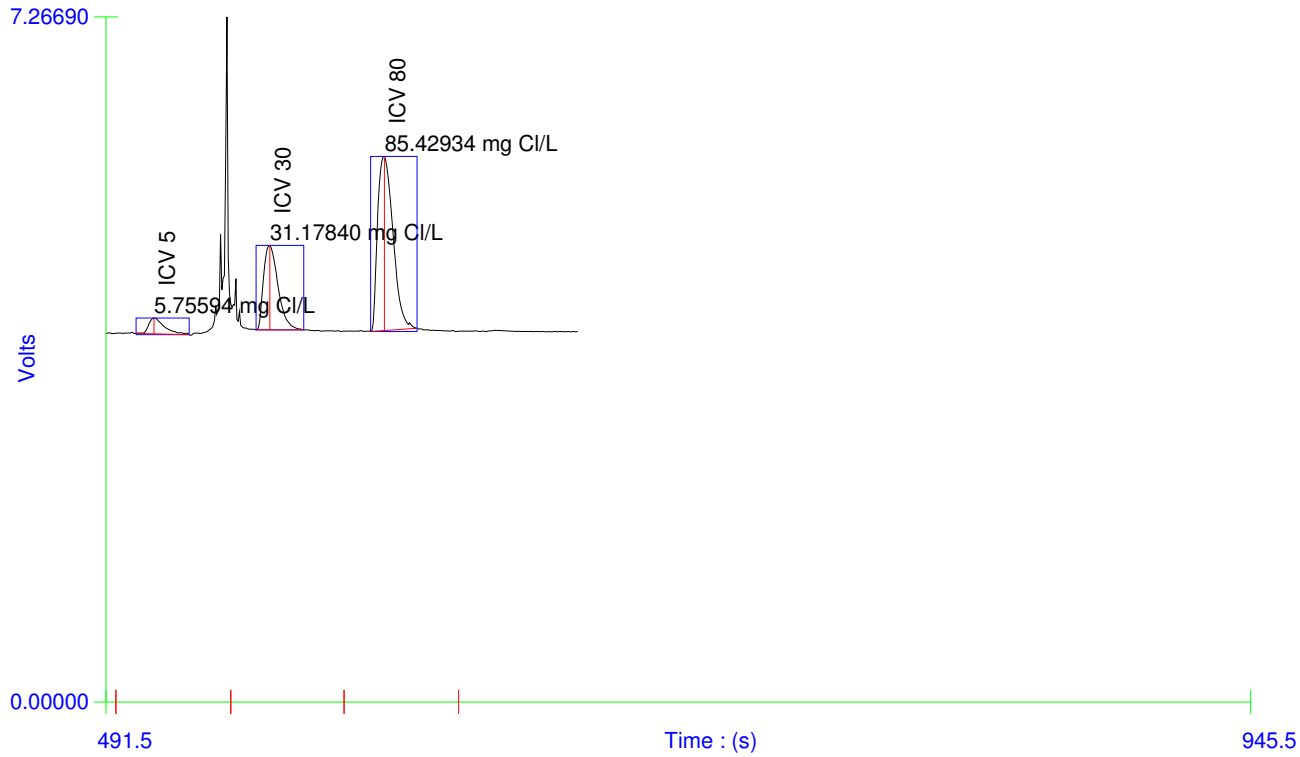
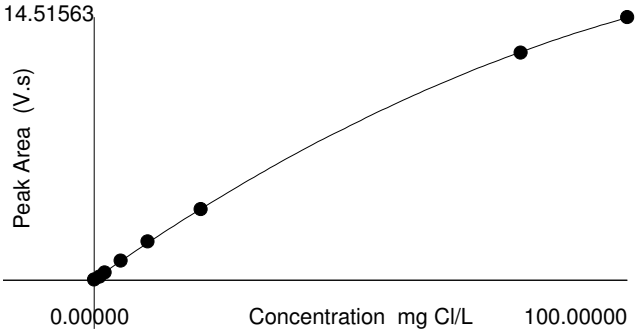


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.51563	2.03863	0.0	-0.2	99.08828	6/24/2025	7:37:31 PM
2	80.00000	1	12.56163	1.81321	0.0	0.3	81.28750	6/24/2025	7:38:17 PM
3	20.00000	1	3.91641	0.59443	0.0	0.2	19.31409	6/24/2025	7:39:03 PM
4	10.00000	1	2.12450	0.32014	0.0	-4.0	9.89440	6/24/2025	7:39:50 PM
5	5.00000	1	1.07879	0.15167	0.0	-2.2	4.94078	6/24/2025	7:40:36 PM
6	2.00000	1	0.41885	0.05468	0.0	6.5	2.02083	6/24/2025	7:41:22 PM
7	1.00000	1	0.19776	0.02696	0.0	18.7	1.07825	6/24/2025	7:42:09 PM
8	0.00000	1	0.03021	0.00309			0.37586	6/24/2025	7:42:54 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00062 * Conc^2 + 0.20689 * Conc + 0.03685
Conc = 0.18317 * Area^2 + 4.15031 * Area + 0.25032
Correlation Coefficient (r) = 0.99997

Weighting : None

Author: Date : 6/24/2025

Original Run Filename: OM_6-24-2025_09-16-58PM.OMN Created: 6/24/2025 9:16:58 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_09-16-58PM.OMN Last Modified: 6/24/2025 11:29:15 PM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	19.21432			
	Known Conc:		20.00000			
	Calibration:		Table/Fig. : 1			
CCB	1	S9	0.53140			
	Known Conc:		0.00000			
ICV 5	1	86	4.78336			
ICV 30	1	87	28.60959			
ICV 80	1	88	81.98666			
ICB	1	89	0.52768			
100 PPM	1	90	96.70164	10.00		
WG2082935-1	1	1	0.13144			
WG2082935-2	1	2	28.24146			
WG2082937-1	1	3	0.42350			
WG2082937-2	1	4	28.10814			
WG2082939-1	1	5	0.45094			
CCV	1	S3	18.59223			
	Known Conc:		20.00000			
CCB	1	S9	0.45253			
	Known Conc:		0.00000			
WG2082939-2	1	6	28.46830			
WG2082940-1	1	7	0.71664			
WG2082940-2	1	8	30.48202			
WG2082941-1	1	9	0.71102			
WG2082941-2	1	10	28.85701			
WG2082944-1	1	11	0.30420			
WG2082944-2	1	12	27.39070			
WG2082947-1	1	13	0.46171			
WG2082947-2	1	14	29.21691			
WG2082948-1	1	15	0.51006			
CCV	1	S3	19.35362			
	Known Conc:		20.00000			
CCB	1	S9	0.53347			
	Known Conc:		0.00000			
WG2082948-2	1	16	29.24817			
WG2082951-1	1	17	0.47202			
WG2082951-2	1	18	29.18226			
WG2082950-1	1	19	0.36382			
WG2082950-2	1	20	29.04723			
L2535803-01	1	21	207.96828			
L2535803-02	1	22	95.98324			
L2535803-03	1	23	94.56271			
L2535803-04	1	24	131.80234			
L2535807-03	1	25	17.71467			
CCV	1	S3	18.92625			
	Known Conc:		20.00000			
CCB	1	S9	0.45988			
	Known Conc:		0.00000			
L2535807-06	1	26	85.14285			
L2535807-09	1	27	91.65665			
L2535807-12	1	28	91.56053			

L2535807-15	1	29	0.65147			
L2535807-18	1	30	70.57239			
L2535807-21	1	31	87.85719			
L2535807-24	1	32	75.83175			
L2535807-27	1	33	66.39431			
L2535809-01	1	34	14.61583			
L2535809-04	1	35	15.12271			
CCV	1	S3	19.22443			
	Known Conc:		20.00000			
CCB	1	S9	1.12409			
	Known Conc:		0.00000			
L2535809-07	1	36	0.13127			
L2535809-10	1	37	24.27838			
L2535809-13	1	38	21.01320			
L2535809-16	1	39	69.45811			
L2535809-19	1	40	76.53731			
WG2082935-3	1	41	76.51642			
WG2082935-4	1	42	90.59335			
L2535809-22	1	43	39.62749			
WG2082937-3	1	44	39.53651			
WG2082937-4	1	45	58.45208			
CCV	1	S3	19.34578			
	Known Conc:		20.00000			
CCB	1	S9	0.31418			
	Known Conc:		0.00000			
L2535809-25	1	46	44.29744			
L2535814-03	1	47	79.43665			
L2535814-06	1	48	99.71396			
L2535814-09	1	49	23.06593			
L2535814-12	1	50	23.26423			
L2535814-15	1	51	0.42383			
L2535814-18	1	52	102.65898			
L2535814-21	1	53	101.23116			
L2535814-24	1	54	50.63675			
L2535814-27	1	55	12.16162			
CCV	1	S3	19.39939			
	Known Conc:		20.00000			
CCB	1	S9	0.34508			
	Known Conc:		0.00000			
L2535819-01	1	56	42.79001			
L2535819-04	1	57	43.04626			
L2535819-07	1	58	0.51575			
L2535819-10	1	59	43.88035			
L2535819-13	1	60	51.17797			
L2535819-16	1	61	130.27243			
L2535819-19	1	62	108.19618			
L2535819-22	1	63	55.47741			
L2535819-25	1	64	39.16668			
L2535820-01	1	65	16.09470			
CCV	1	S3	18.98438			
	Known Conc:		20.00000			
CCB	1	S9	0.47200			
	Known Conc:		0.00000			
L2535820-04	1	66	15.64704			
L2535820-07	1	67	0.33993			
L2535820-10	1	68	28.99927			
L2535820-13	1	69	71.94975			
L2535820-16	1	70	31.29766			
L2535820-19	1	71	34.17919			
L2535820-22	1	72	34.42334			
L2535820-25	1	73	33.72206			
L2535822-03	1	74	5.50836			
L2535822-06	1	75	73.53110			
CCV	1	S3	19.27013			
	Known Conc:		20.00000			
CCB	1	S9	0.44074			
	Known Conc:		0.00000			
L2535822-09	1	76	56.60709			

L2535822-12	1	77	58.16471			
L2535822-15	1	78	0.43926			
L2535822-18	1	79	115.78040			
L2535822-21	1	80	120.86125			
L2535822-24	1	81	123.52643			
L2537391-01	1	82	326.20166		25.00	
L2536247-01	1	83	15.79585			
L2536247-02	1	84	24.70385			
L2536247-03	1	85	15.42416			
CCV	1	S3	19.23291			
	Known Conc:		20.00000			
CCB	1	S9	0.44161			
	Known Conc:		0.00000			
L2536247-04	1	91	17.95751			
L2536247-05	1	92	30.42608			
L2536247-06	1	93	23.68919			
L2536247-07	1	94	19.51403			
L2536247-08	1	95	9.31420			
L2536247-09	1	96	23.94938			
L2536247-10	1	97	17.10935			
L2536247-11	1	98	8.66029			
L2536247-12	1	99	24.64938		10.00	
WG2082940-3	1	100	22.89361		10.00	
CCV	1	S3	18.63303			
	Known Conc:		20.00000			
CCB	1	S9	0.45933			
	Known Conc:		0.00000			
WG2082940-4	1	101	40.22771		10.00	
L2536247-13	1	102	14.69693		10.00	
L2536247-14	1	103	15.95318			
L2536247-15	1	104	16.89727			
L2536247-16	1	105	16.46195		10.00	
L2536247-17	1	106	15.35597		10.00	
L2536247-18	1	107	16.55799			
L2536247-20	1	108	17.22139			
L2536345-01	1	109	51.56107		10.00	
L2536345-02	1	110	52.91093		10.00	
CCV	1	S3	19.50510			
	Known Conc:		20.00000			
CCB	1	S9	0.52145			
	Known Conc:		0.00000			
L2536345-04	1	111	56.34550		10.00	
L2536345-06	1	112	62.21067		10.00	
L2536572-01	1	113	147.48724		10.00	
WG2082944-3	1	114	144.58102		10.00	
WG2082944-4	1	115	170.11198		10.00	
L2536572-02	1	116	255.07173		10.00	
L2536572-03	1	117	300.54837		10.00	
L2536572-04	1	118	39.35228		10.00	
L2536572-05	1	119	191.04715		10.00	
L2536572-06	1	120	130.39087		10.00	
CCV	1	S3	18.79178			
	Known Conc:		20.00000			
CCB	1	S9	0.57219			
	Known Conc:		0.00000			
L2536572-07	1	121	10.36989		10.00	
L2536572-08	1	122	8.47842		10.00	
L2536572-09	1	123	14.78075		10.00	
WG2082944-5	1	124	15.33360		10.00	
WG2082944-6	1	125	32.82372		10.00	
L2536572-08	1	122	13.19901		10.00	
L2536572-10	1	126	148.99533		10.00	
L2536572-11	1	127	112.87240		10.00	
L2536572-12	1	128	256.64178		10.00	
L2537295-01	1	129	249.93617		25.00	
CCV	1	S3	19.43860			
	Known Conc:		20.00000			
CCB	1	S9	0.48888			

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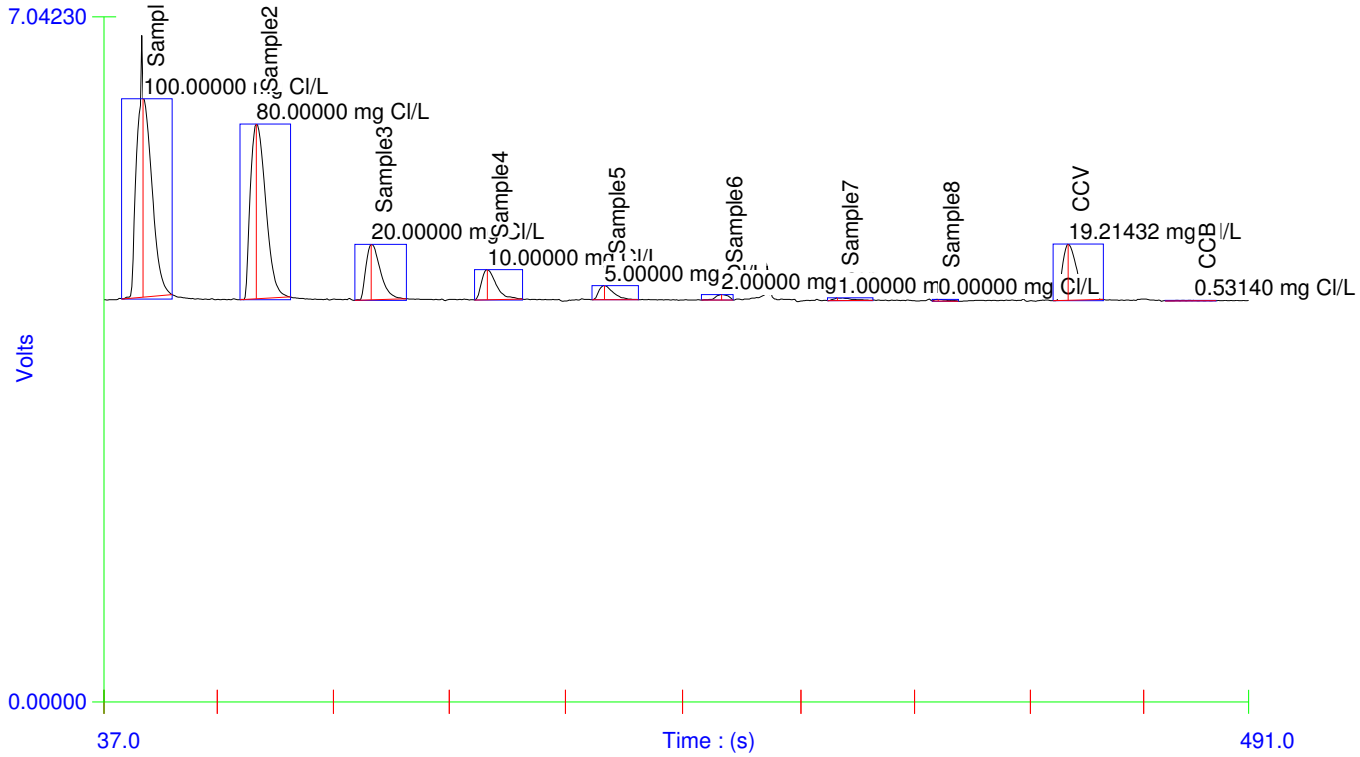
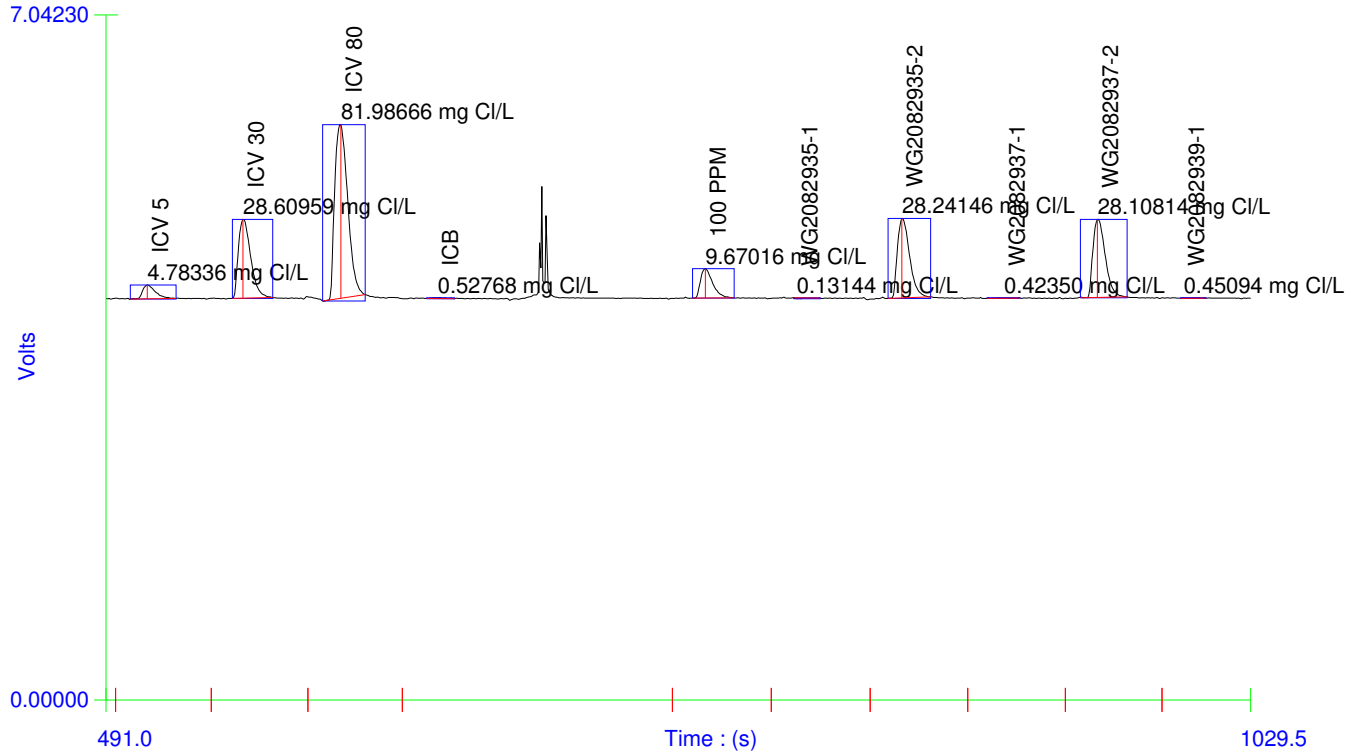
		Known Conc:	0.00000			
L2537295-03	1	130	233.85104		25.00	
L2536725-01	1	131	24.34849		10.00	
L2536725-02	1	132	58.63150		10.00	
L2536725-03	1	133	34.85159		10.00	

Channel 1 (Chloride) - Set: 1 / 17

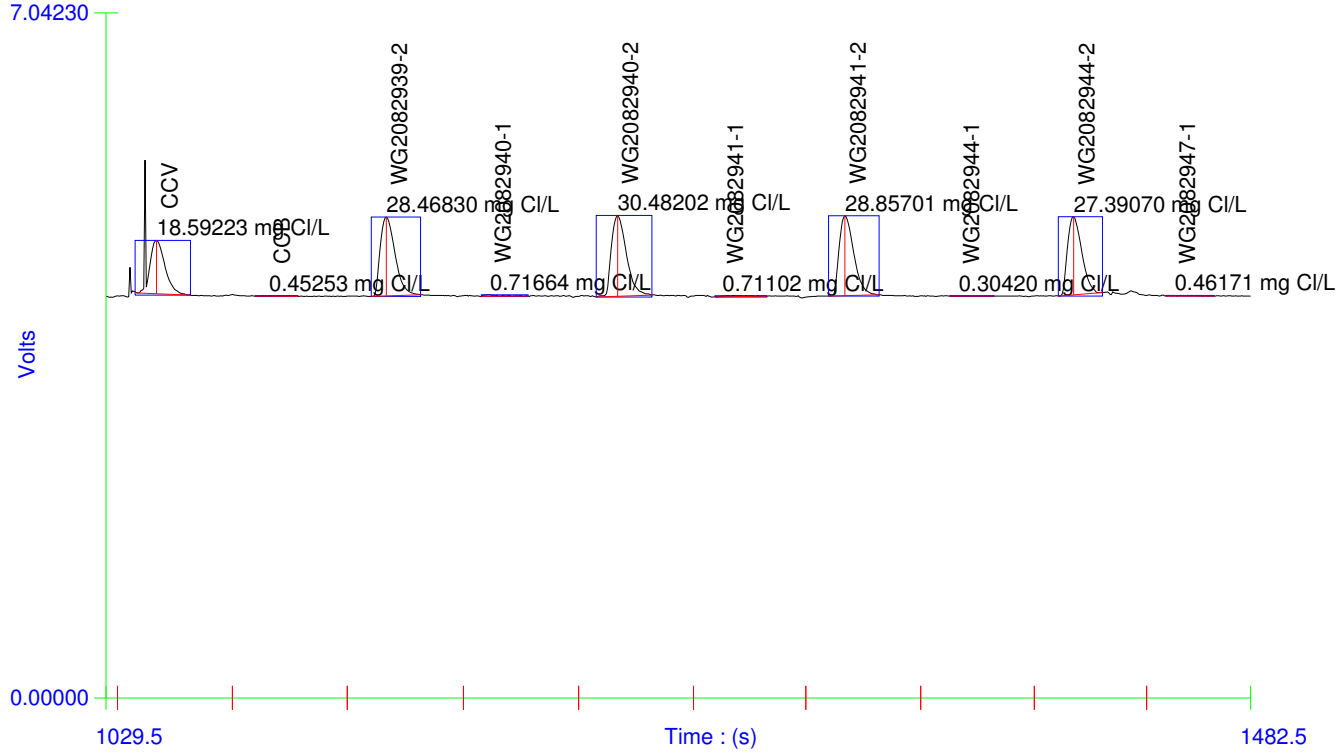


Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 2 / 17

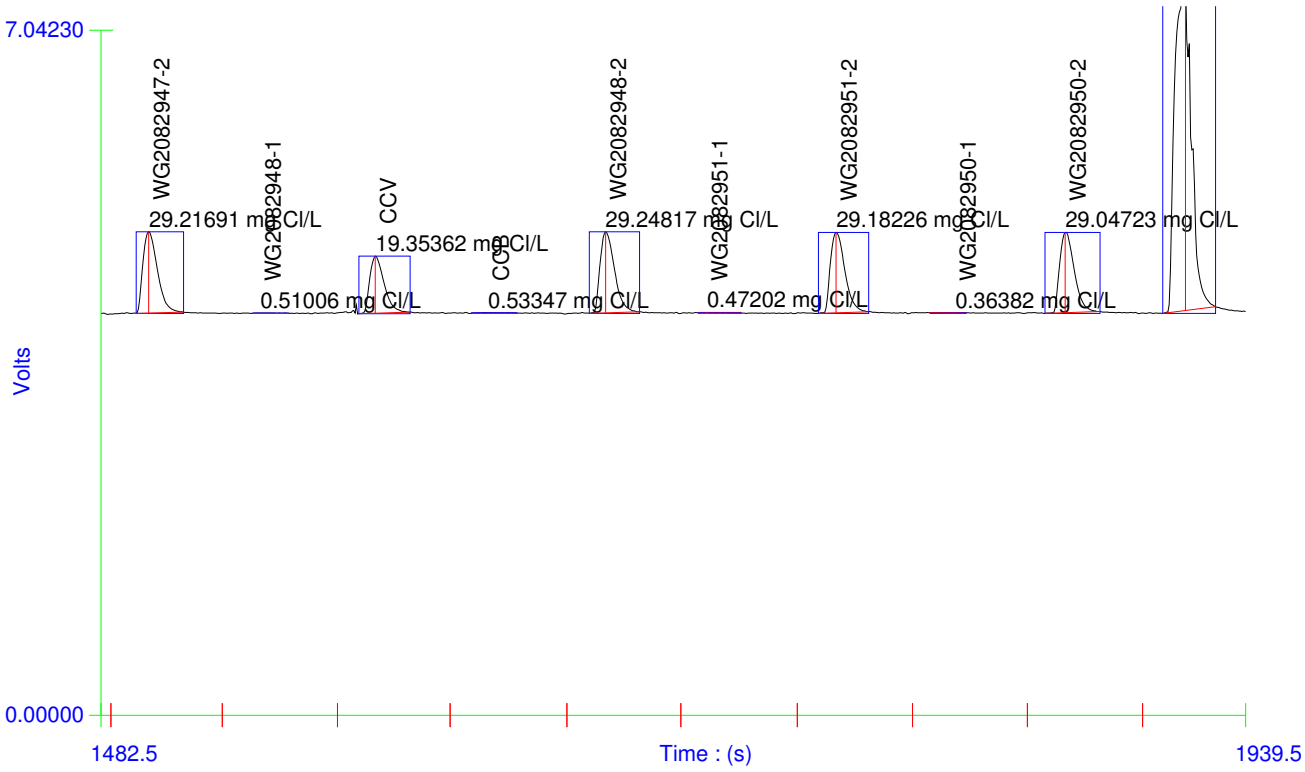


Channel 1 (Chloride) - Set: 3 / 17



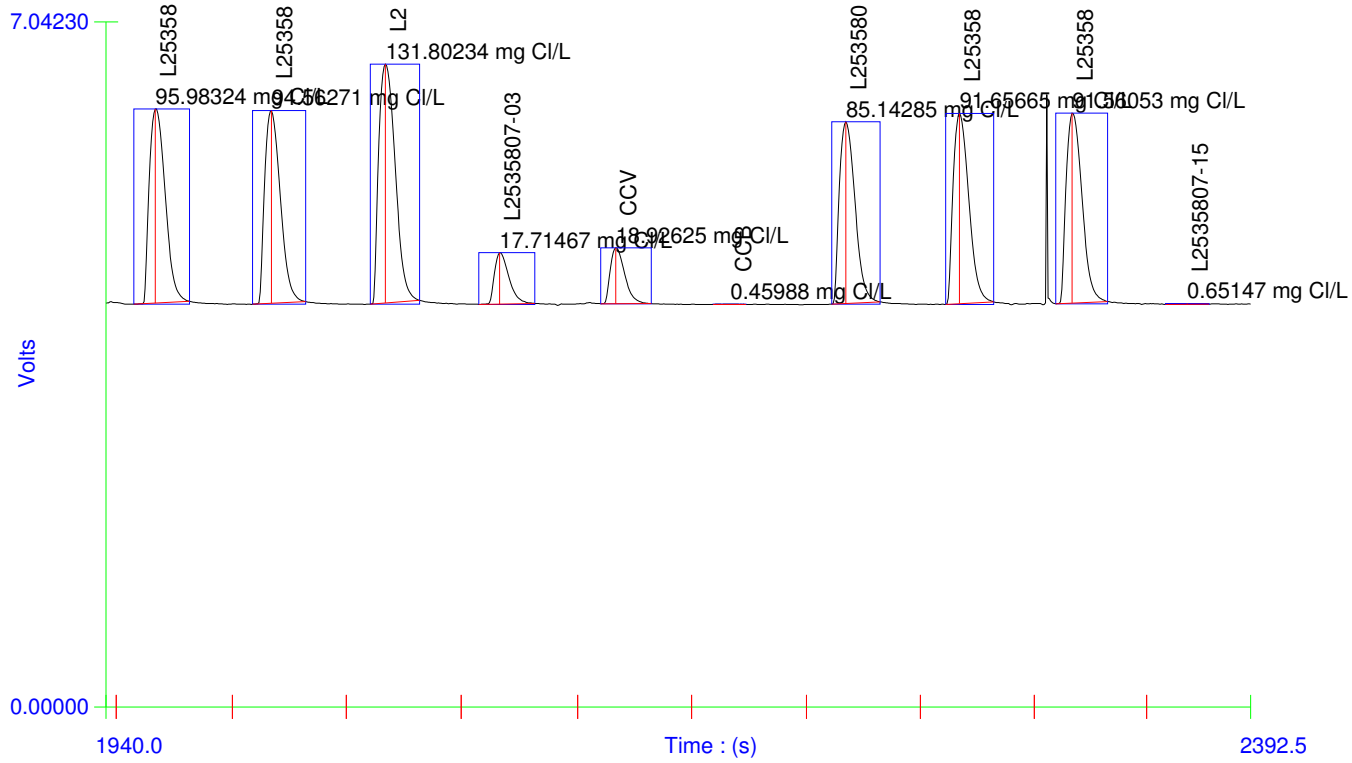
Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 4 / 17

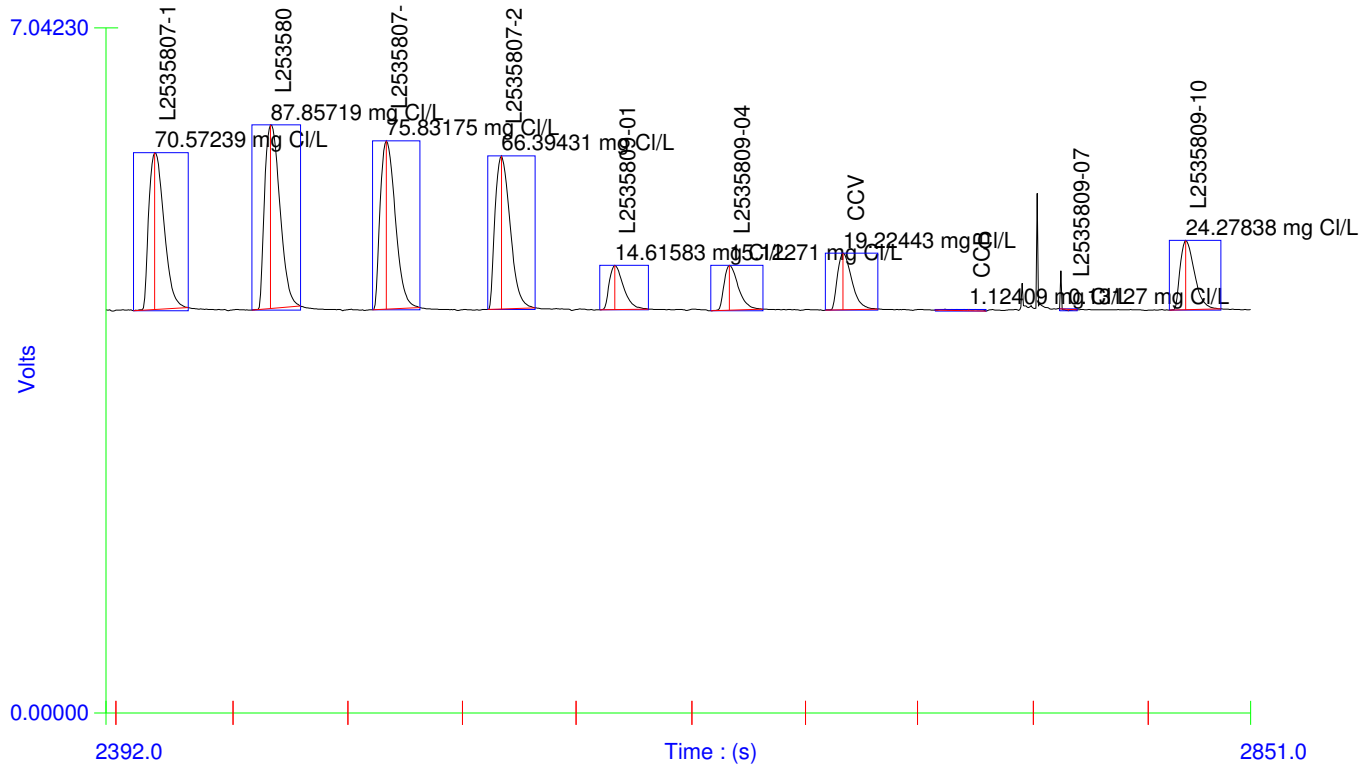


Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 5 / 17

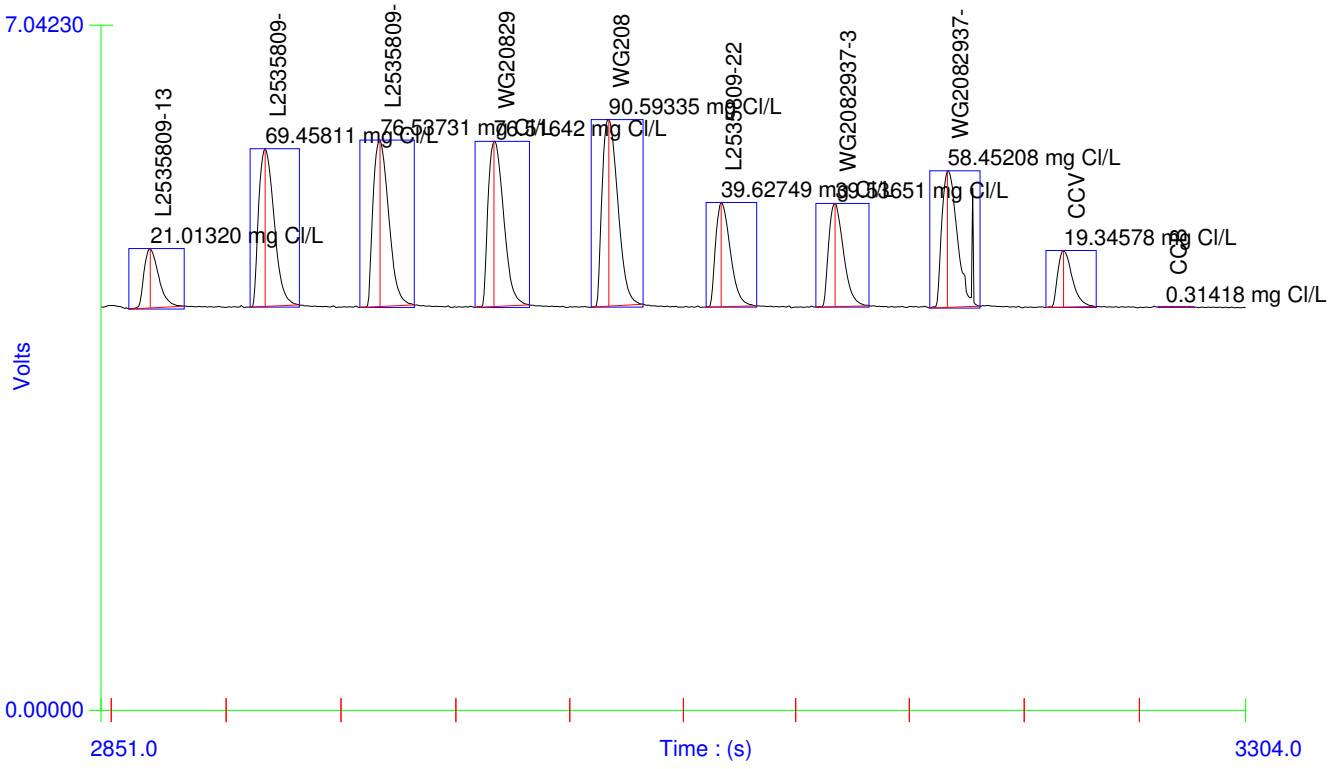


Channel 1 (Chloride) - Set: 6 / 17



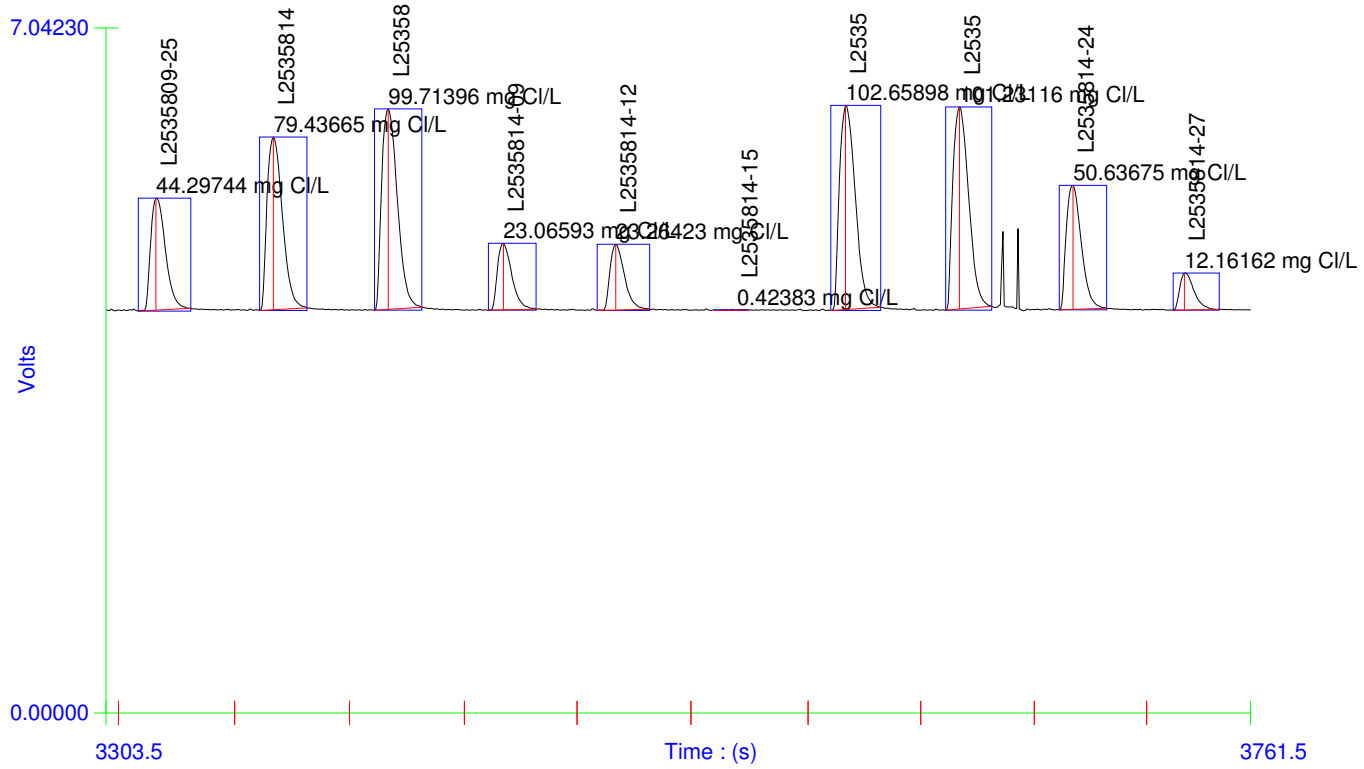
Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 7 / 17

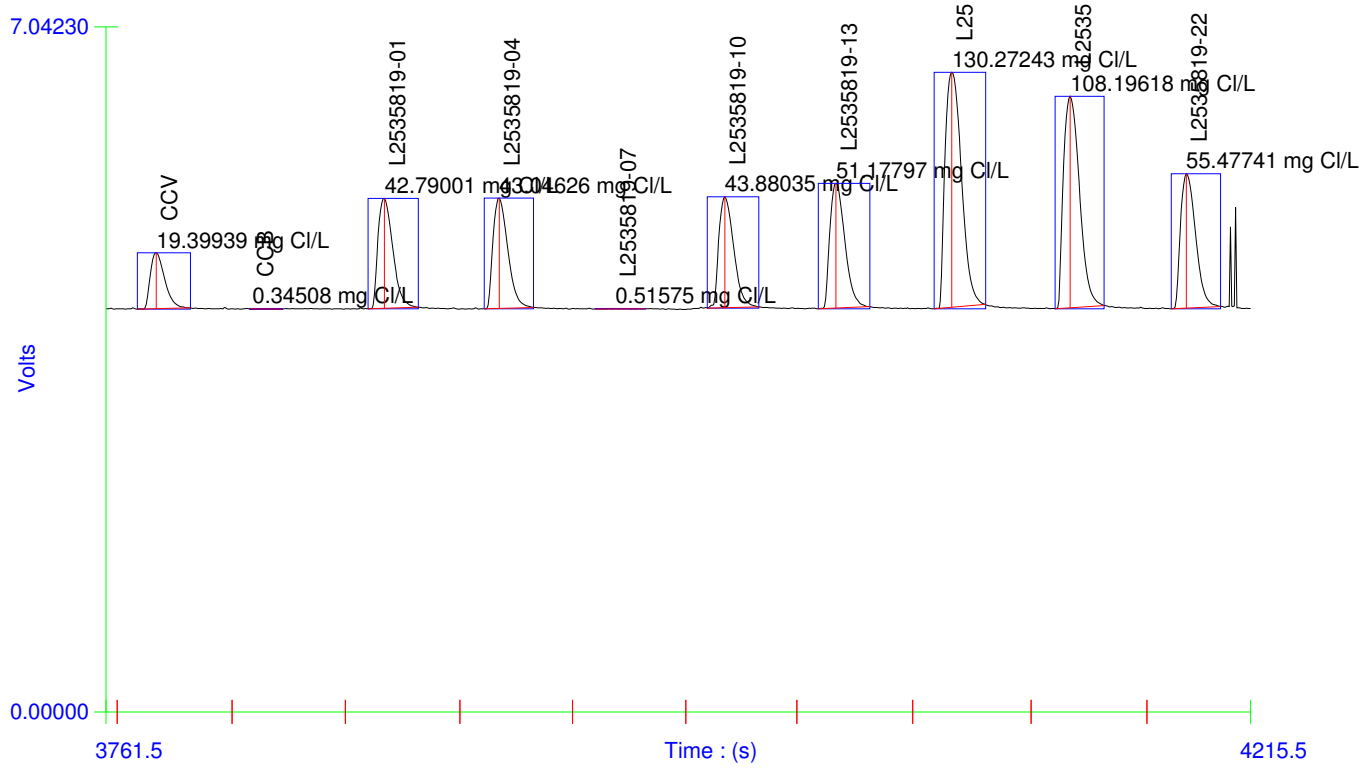


Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 8 / 17

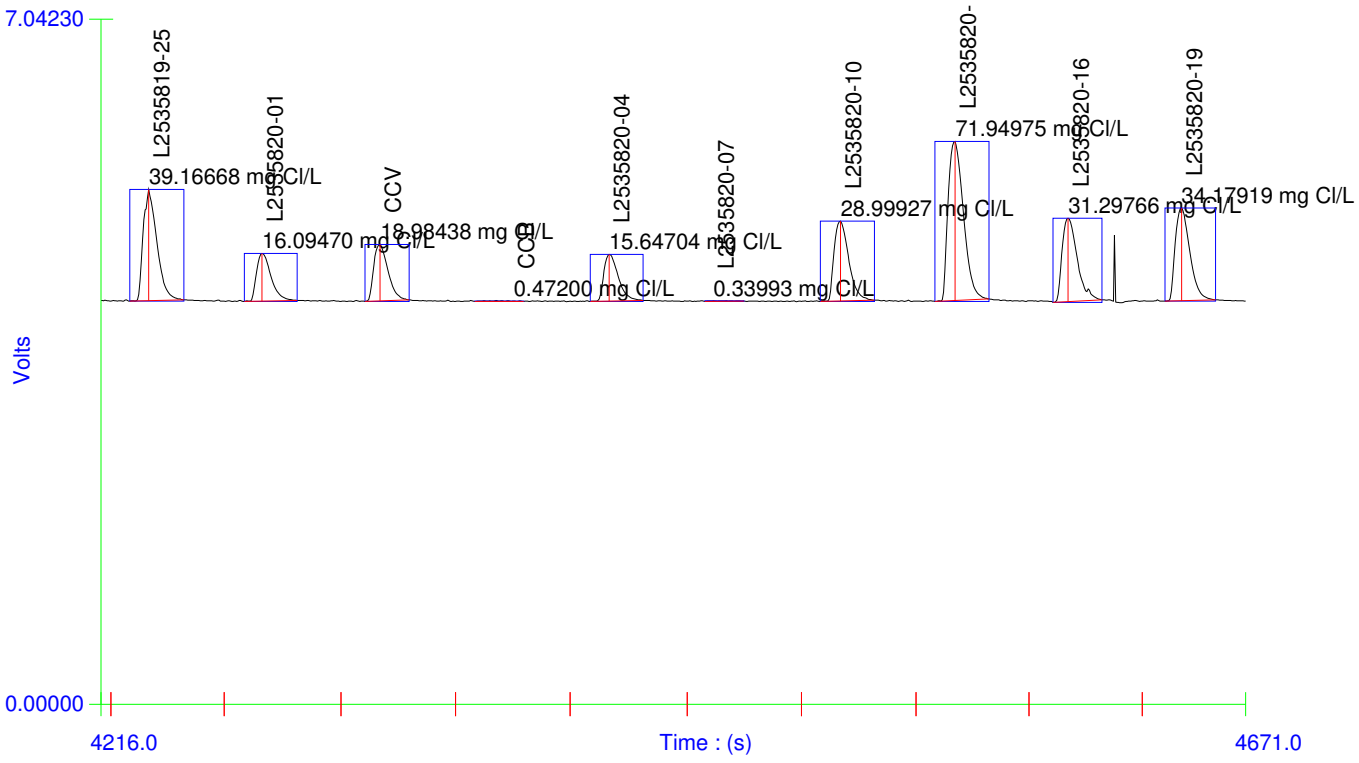


Channel 1 (Chloride) - Set: 9 / 17



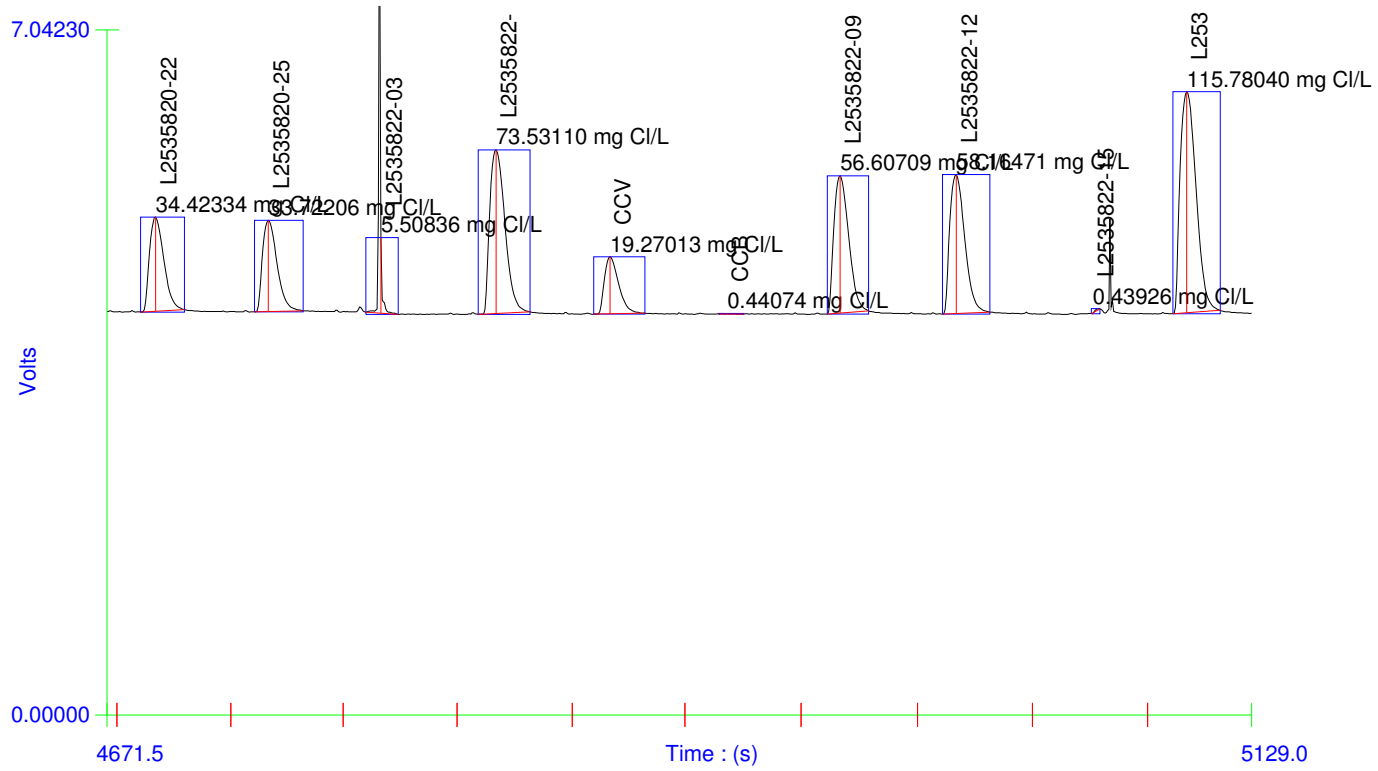
Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 10 / 17

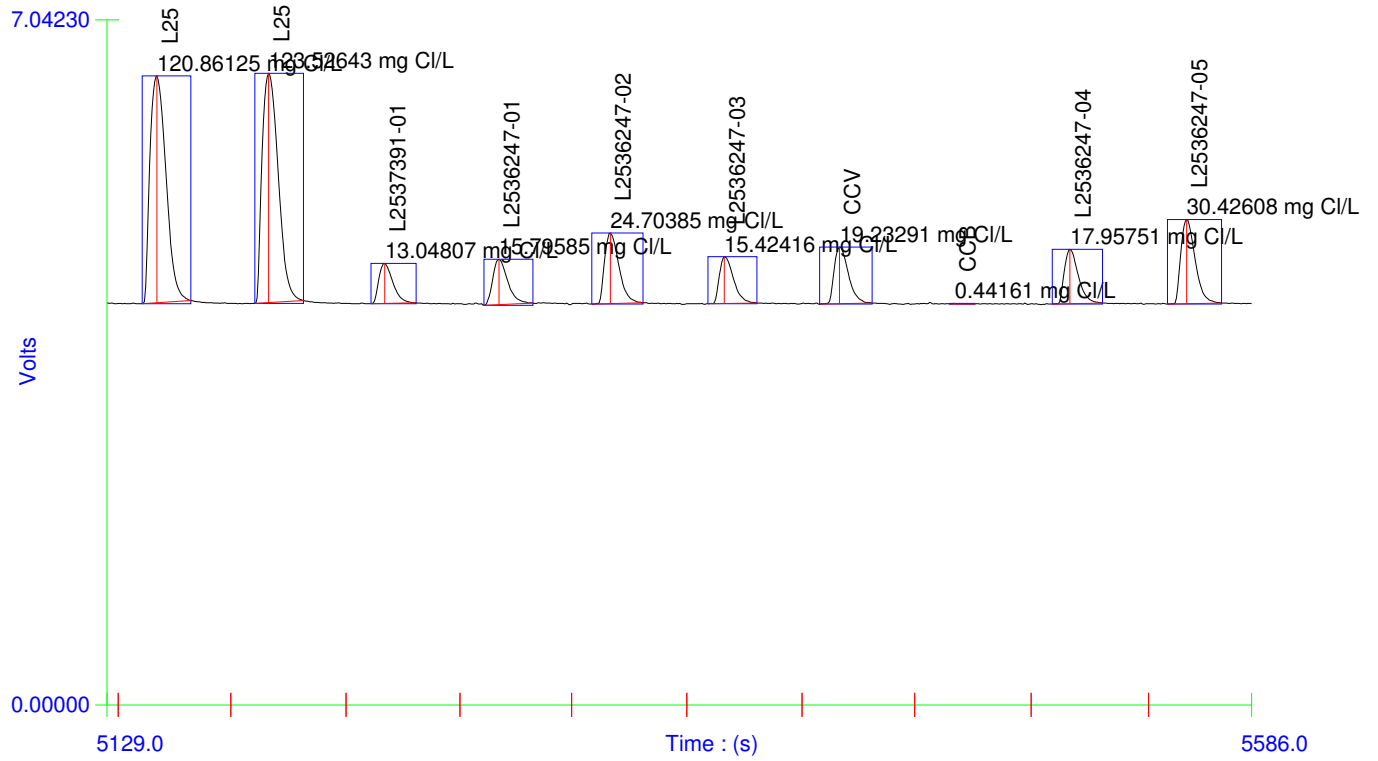


Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 11 / 17

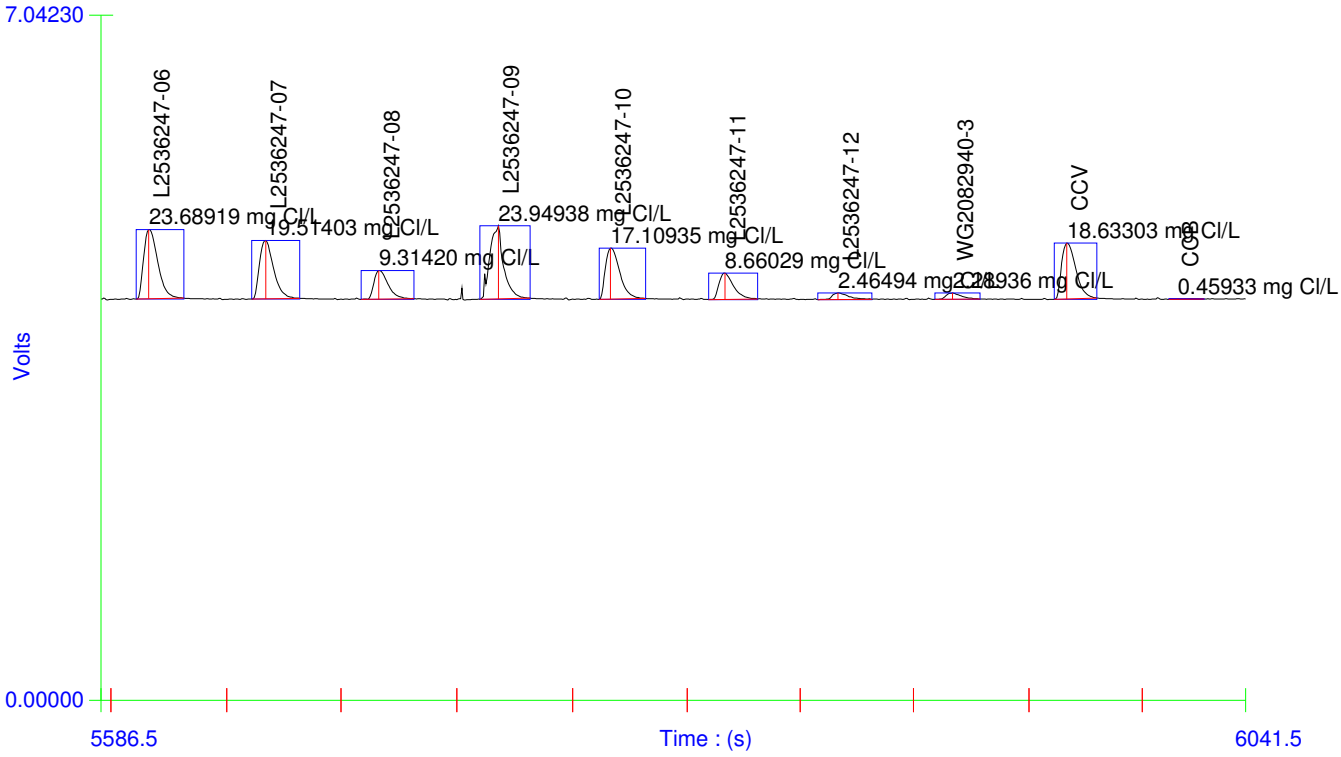


Channel 1 (Chloride) - Set: 12 / 17



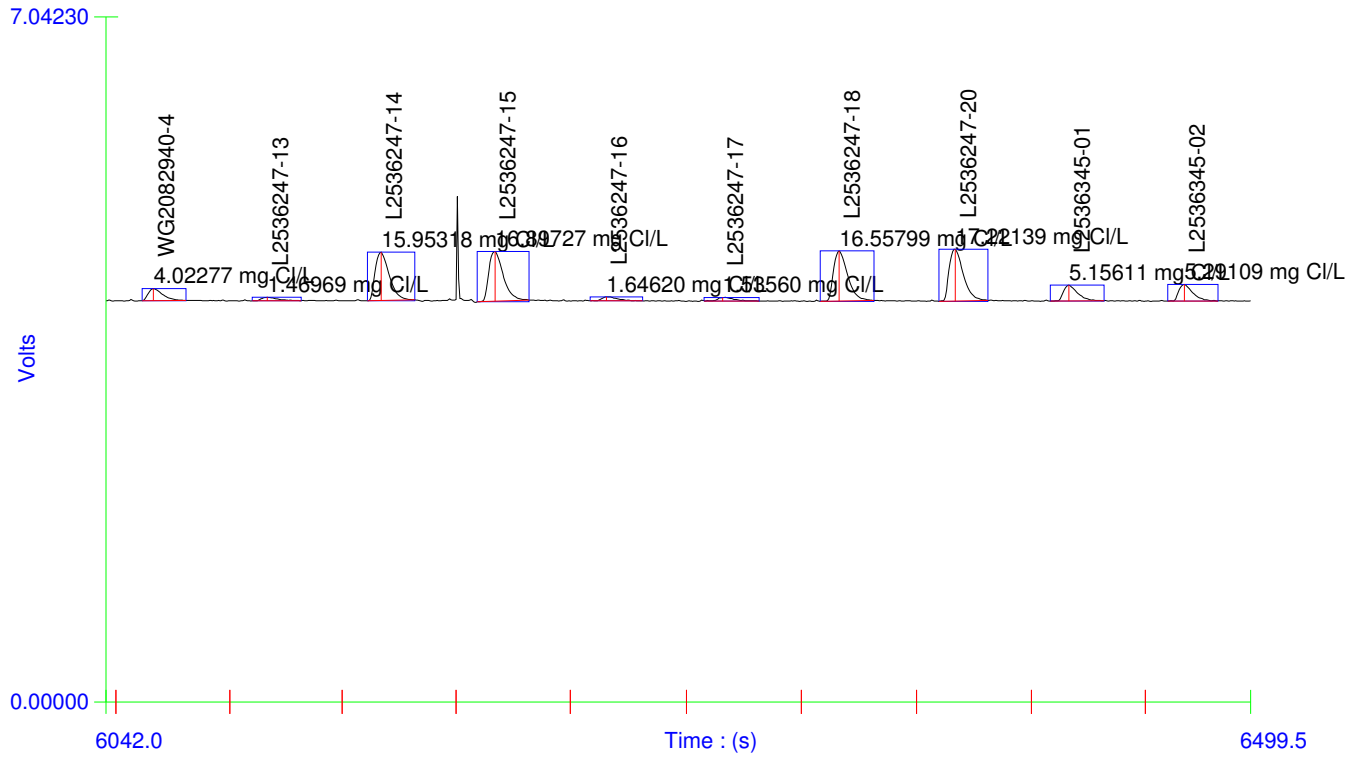
Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 13 / 17

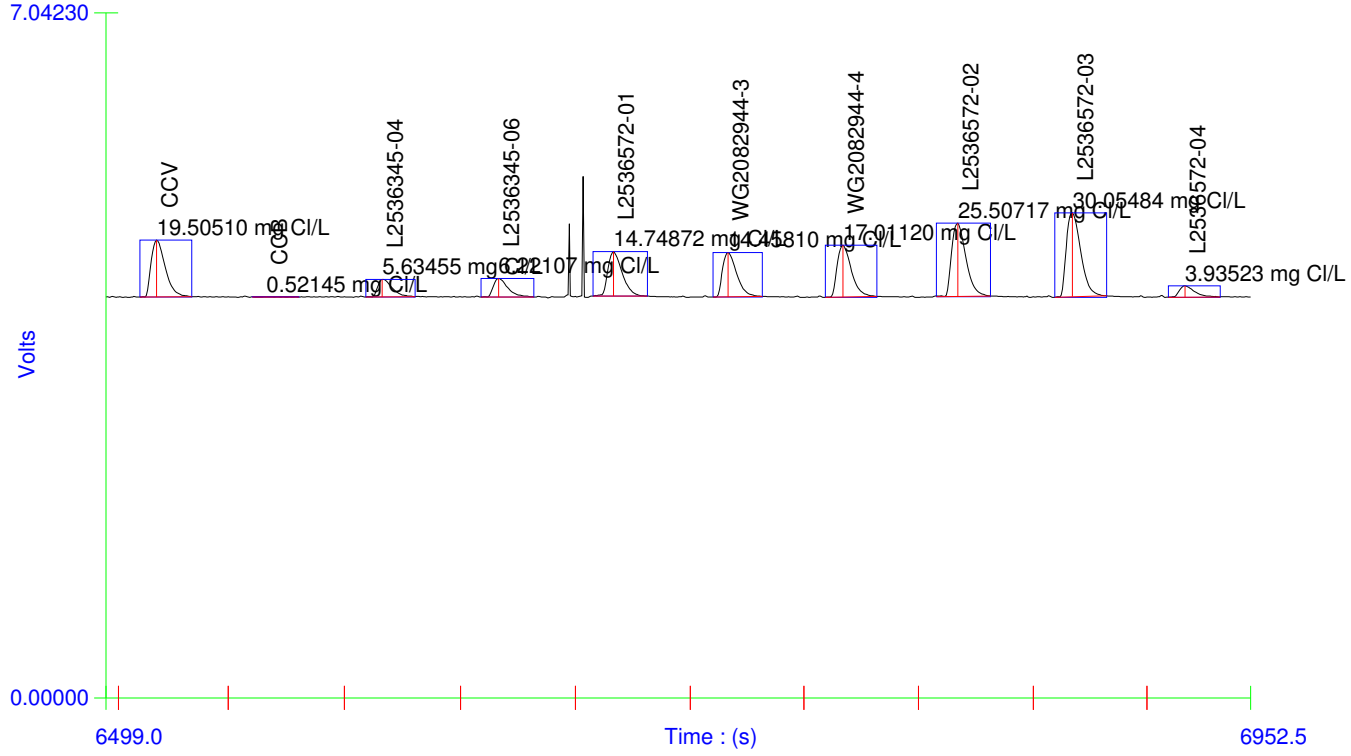


Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 14 / 17

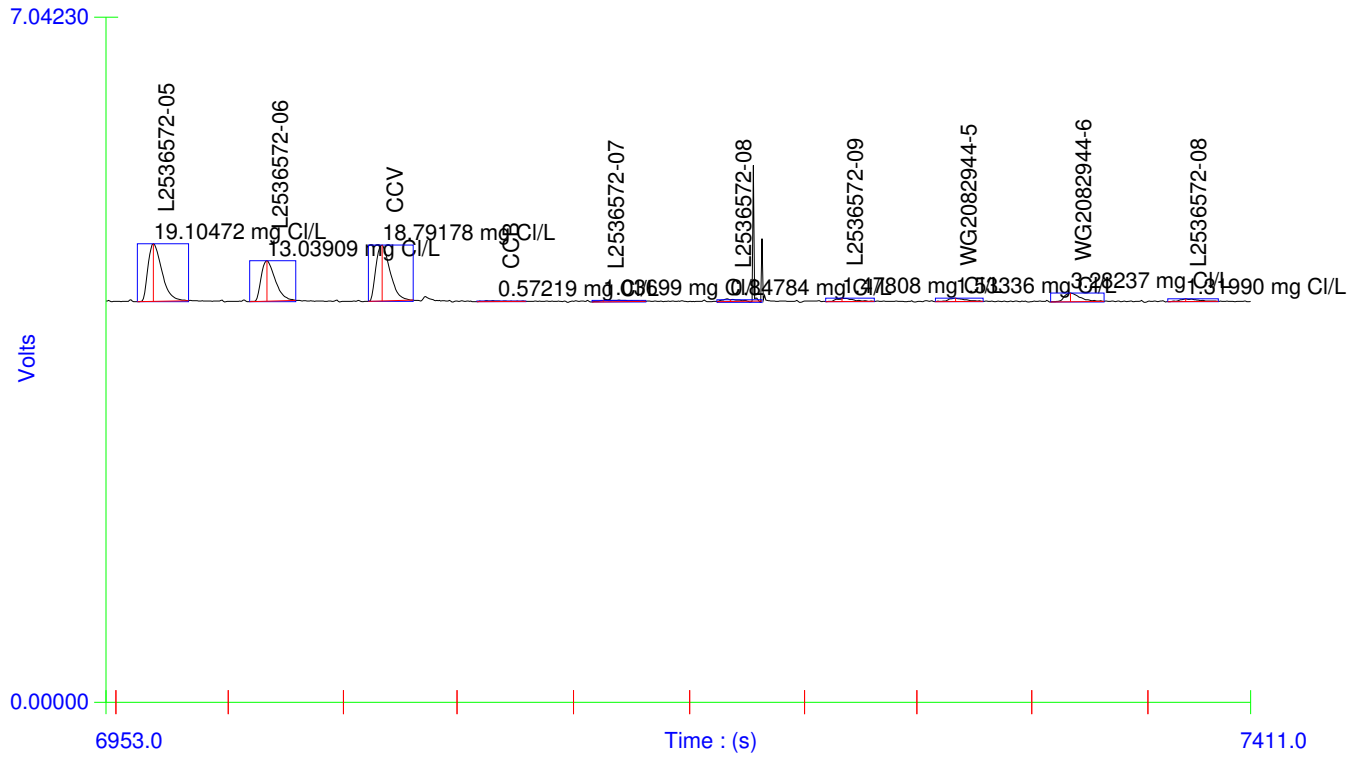


Channel 1 (Chloride) - Set: 15 / 17



Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 16 / 17



Author: Date : 6/24/2025

Channel 1 (Chloride) - Set: 17 / 17

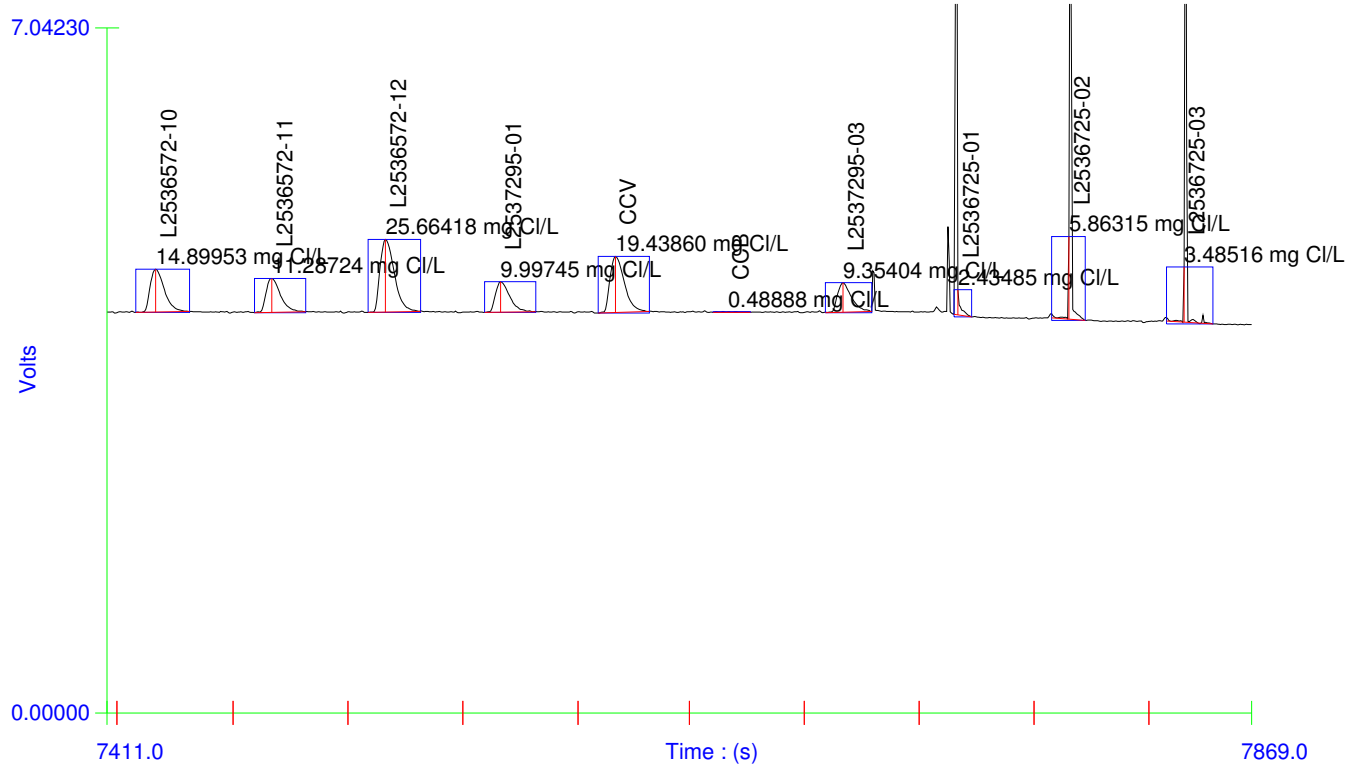
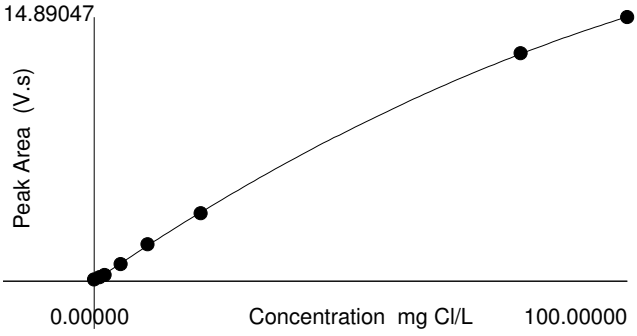


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.89047	2.03901	0.0	0.1	98.95296	6/24/2025	9:17:48 PM
2	80.00000	1	12.85401	1.79955	0.0	-0.3	81.47868	6/24/2025	9:18:34 PM
3	20.00000	1	3.82137	0.56964	0.0	1.3	19.19596	6/24/2025	9:19:20 PM
4	10.00000	1	2.06764	0.30948	0.0	-3.8	9.98377	6/24/2025	9:20:05 PM
5	5.00000	1	0.95442	0.14375	0.0	5.6	4.62208	6/24/2025	9:20:53 PM
6	2.00000	1	0.33612	0.05752	0.0	17.7	1.80711	6/24/2025	9:21:39 PM
7	1.00000	1	0.21565	0.02707	0.0	-5.0	1.27218	6/24/2025	9:22:26 PM
8	0.00000	1	0.08276	0.01556			0.68726	6/24/2025	9:23:10 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00056 * Conc^2 + 0.20473 * Conc + 0.00120
Conc = 0.15226 * Area^2 + 4.35624 * Area + 0.32569
Correlation Coefficient (r) = 0.99995

Weighting : None

Author: Date : 6/25/2025

Original Run Filename: OM_6-24-2025_11-38-46PM.OMN Created: 6/24/2025 11:38:46 PM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-24-2025_11-38-46PM.OMN Last Modified: 6/25/2025 12:17:54 AM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

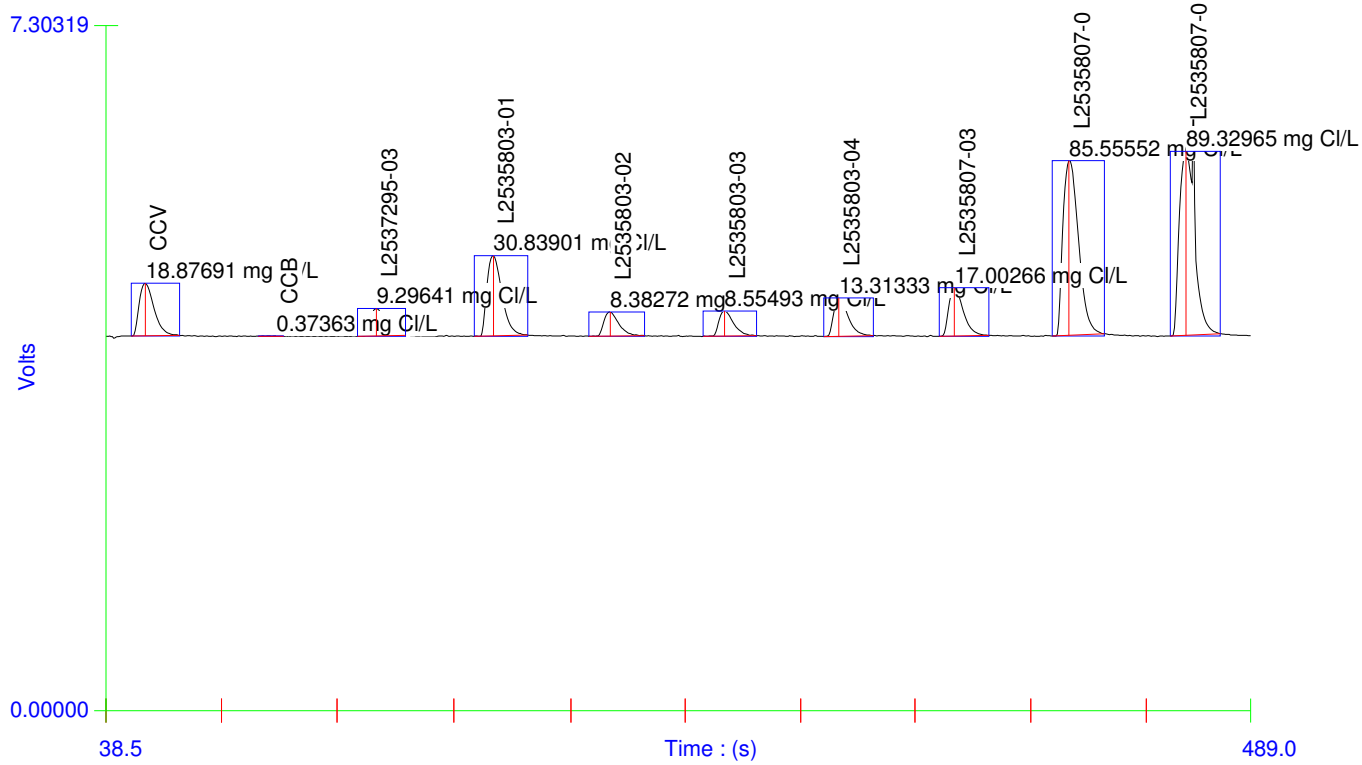
Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.87691			
	Known Conc:		20.00000			
	Calibration:		Table/Fig. : 1			
CCB	1	S9	0.37363			
	Known Conc:		0.00000			
L2537295-03	1	130	232.41034		25.00	
L2535803-01	1	21	308.39008		10.00	
L2535803-02	1	22	83.82716		10.00	
L2535803-03	1	23	85.54935		10.00	
L2535803-04	1	24	133.13335		10.00	
L2535807-03	1	25	17.00266			
L2535807-06	1	26	85.55552			
L2535807-09	1	27	89.32965			
L2535807-12	1	28	92.32392			
L2535807-15	1	29	0.47682			
CCV	1	S3	18.99081			
	Known Conc:		20.00000			
CCB	1	S9	0.41892			
	Known Conc:		0.00000			
L2535807-18	1	30	68.99567			
L2535807-21	1	31	87.54366			
L2535807-24	1	32	79.36316			
L2535807-27	1	33	66.36055			
L2535809-01	1	34	14.69908			
L2535809-04	1	35	14.81748			
L2535809-07	1	36	0.52759			
L2535809-10	1	37	24.87849			
L2535809-13	1	38	19.50764			
L2535809-16	1	39	69.43044			
CCV	1	S3	19.08448			
	Known Conc:		20.00000			
CCB	1	S9	0.26787			
	Known Conc:		0.00000			
L2535809-19	1	40	75.16521			
WG2082935-3	1	41	75.78047			
WG2082935-4	1	42	93.09238		10.00	
L2535807-12	1	28	84.29707		10.00	
L2536725-01	1	131	4.10646		10.00	
L2536725-02	1	132	7.04750		10.00	
L2536725-03	1	133	3.68482		10.00	
WG2082941-3	1	134	2.99839		10.00	
WG2082941-4	1	135	20.34985		10.00	
L2536792-01	1	136	1795.48853		50.00	
CCV	1	S3	19.06516			
	Known Conc:		20.00000			
CCB	1	S9	0.28157			
	Known Conc:		0.00000			
L2536821-01	1	137	72.56264		10.00	
L2536869-01	1	138	5.48954			
L2536969-07	1	139	222.59430		10.00	
L2537227-01	1	140	25.62215		10.00	
L2537227-02	1	141	26.24921		10.00	
L2537509-01	1	142	-0.19073		10.00	
L2537671-01	1	143	1346.25549		100.00	
L2537671-02	1	144	1625.19116		100.00	
L2538975-01	1	145	523.26038		25.00	
L2539317-01	1	146	2.29632		1.00	
CCV	1	S3	18.98513			

Author:

Date : 6/25/2025

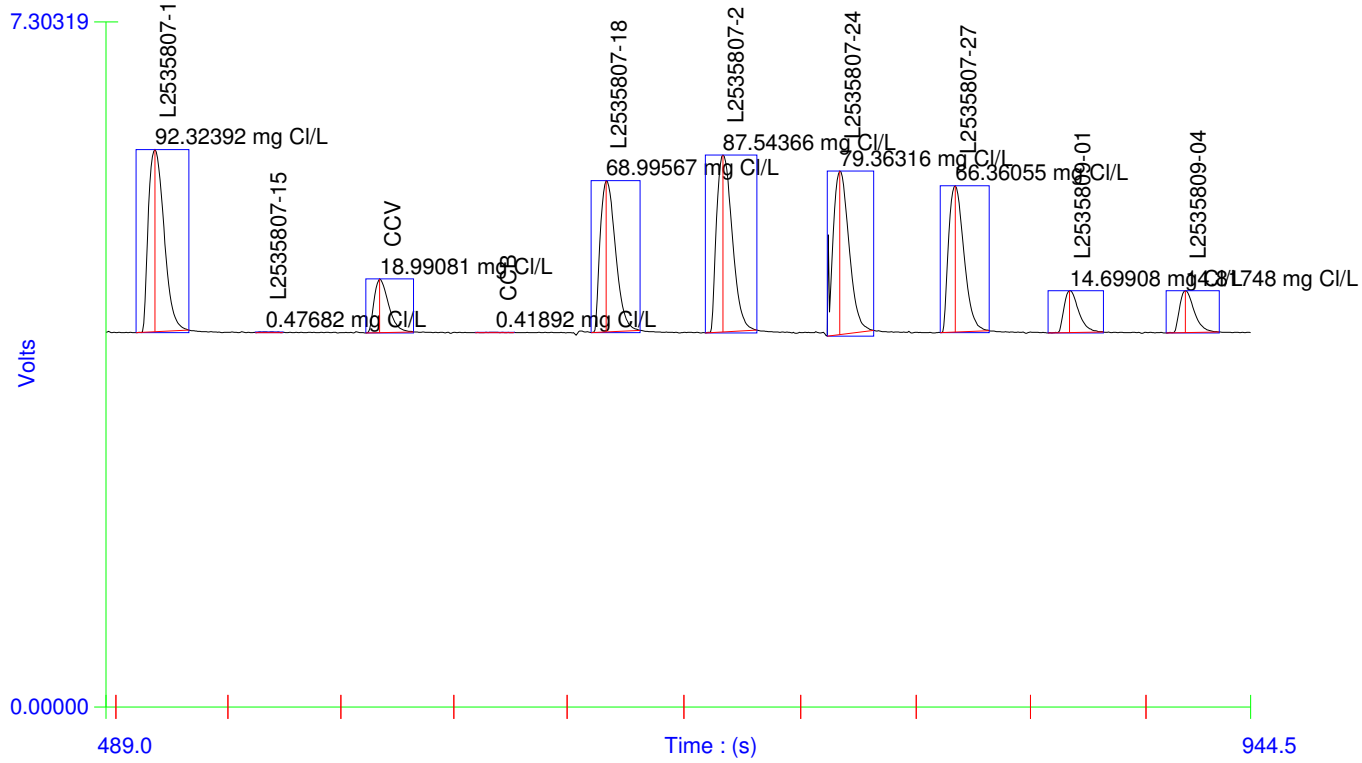
		Known Conc:	20.00000			
CCB	1	S9	0.17980			
		Known Conc:	0.00000			

Channel 1 (Chloride) - Set: 1 / 5

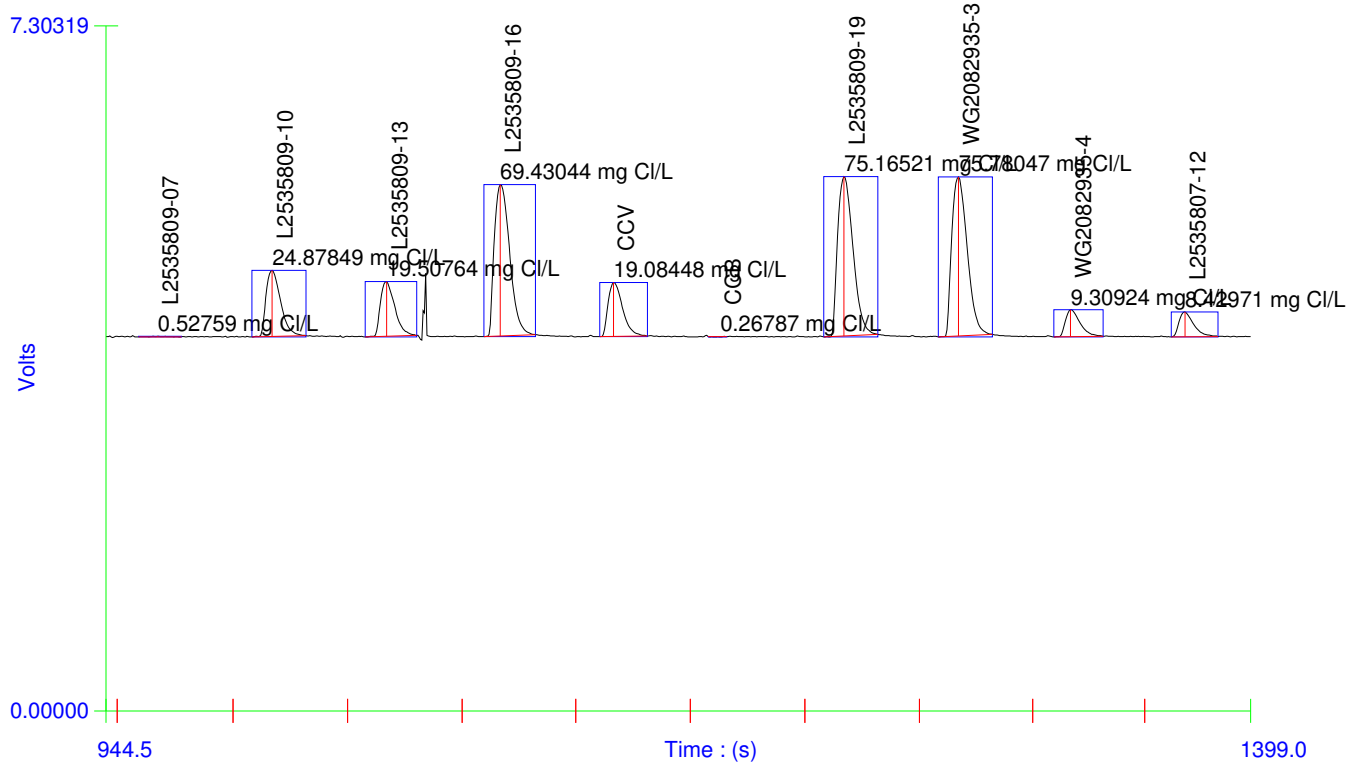


Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 2 / 5

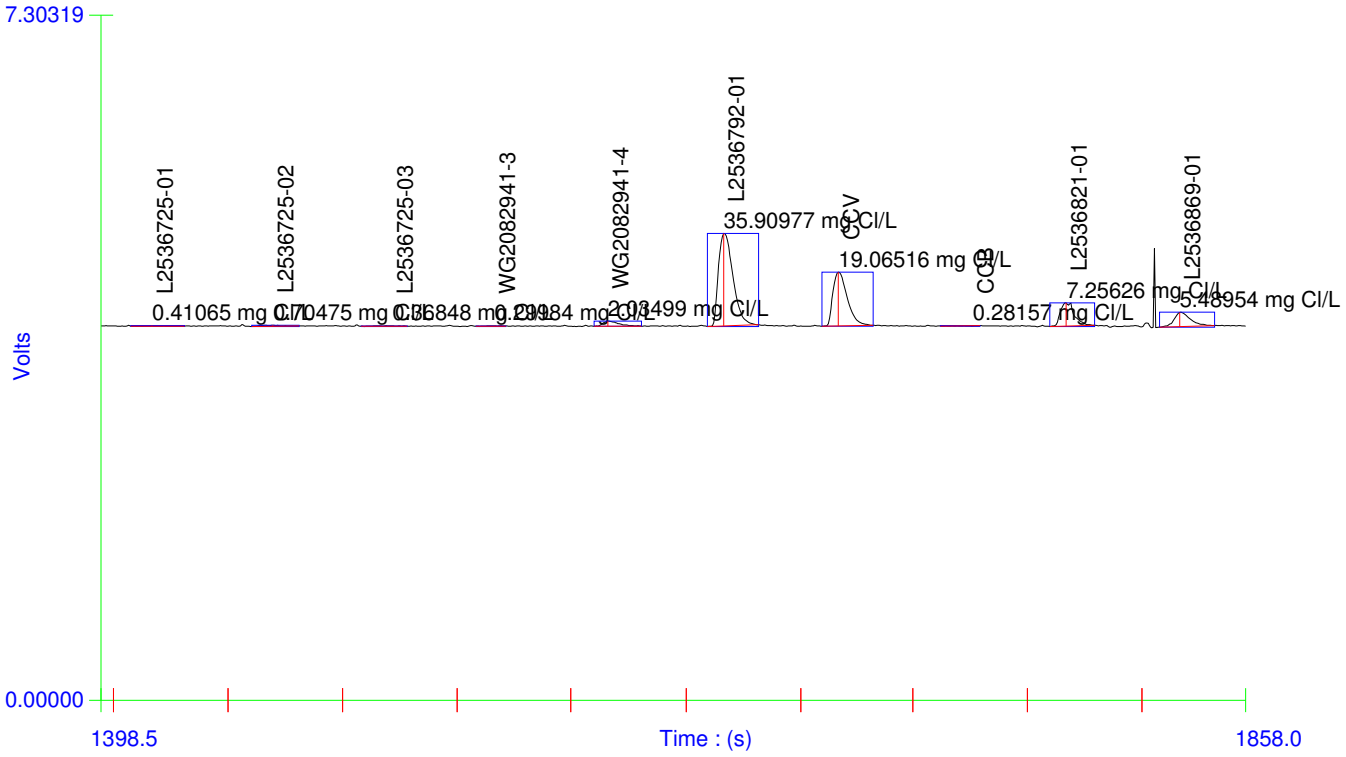


Channel 1 (Chloride) - Set: 3 / 5



Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 4 / 5



Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 5 / 5

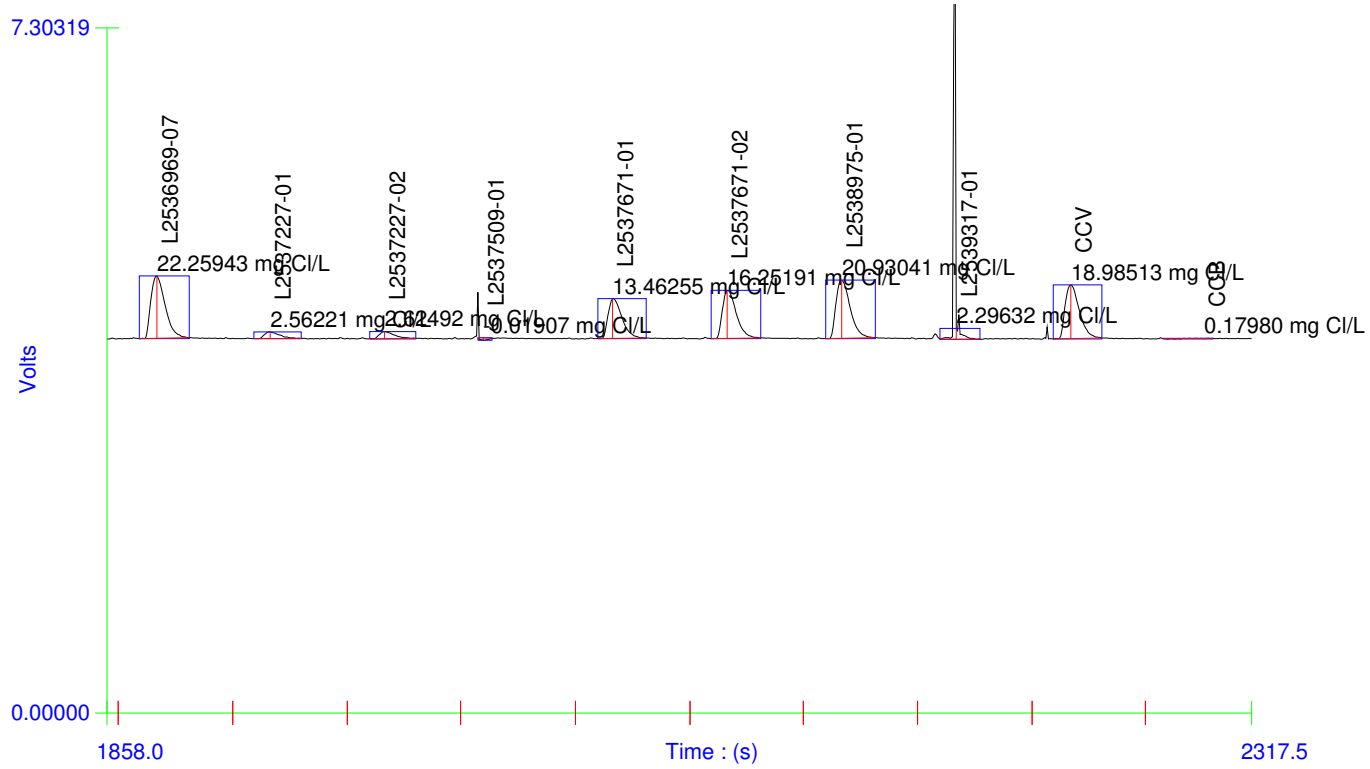
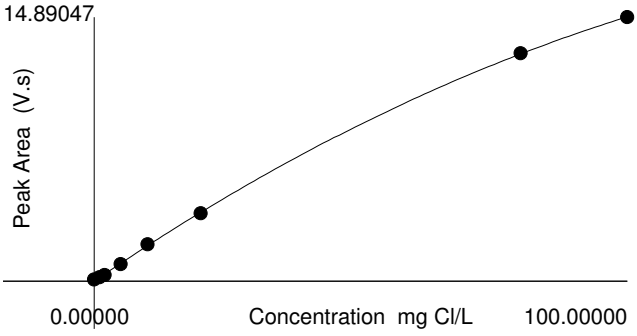


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.89047	2.03901	0.0	0.1	98.95296	6/24/2025	9:17:48 PM
2	80.00000	1	12.85401	1.79955	0.0	-0.3	81.47868	6/24/2025	9:18:34 PM
3	20.00000	1	3.82137	0.56964	0.0	1.3	19.19596	6/24/2025	9:19:20 PM
4	10.00000	1	2.06764	0.30948	0.0	-3.8	9.98377	6/24/2025	9:20:05 PM
5	5.00000	1	0.95442	0.14375	0.0	5.6	4.62208	6/24/2025	9:20:53 PM
6	2.00000	1	0.33612	0.05752	0.0	17.7	1.80711	6/24/2025	9:21:39 PM
7	1.00000	1	0.21565	0.02707	0.0	-5.0	1.27218	6/24/2025	9:22:26 PM
8	0.00000	1	0.08276	0.01556			0.68726	6/24/2025	9:23:10 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00056 * Conc^2 + 0.20473 * Conc + 0.00120
Conc = 0.15226 * Area^2 + 4.35624 * Area + 0.32569
Correlation Coefficient (r) = 0.99995

Weighting : None

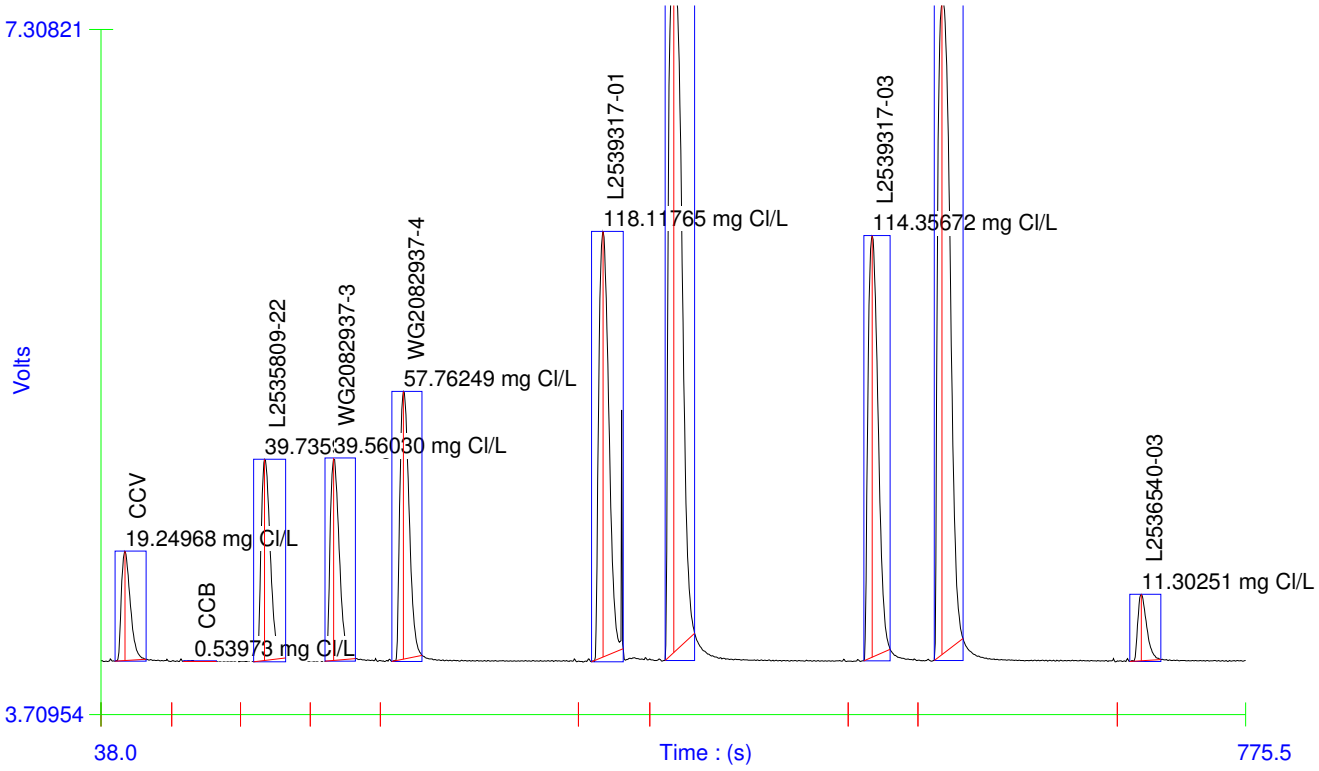
Author: Date : 6/25/2025

Original Run Filename: OM_6-25-2025_01-16-51AM.OMN Created: 6/25/2025 1:16:51 AM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-25-2025_01-16-51AM.OMN Last Modified: 6/25/2025 2:51:39 AM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	19.24968			
	Known Conc:		20.00000			
CCB	1	S9	0.53973			
	Known Conc:		0.00000			
L2535809-22	1	43	39.73590			
WG2082937-3	1	44	39.56030			
WG2082937-4	1	45	57.76249			
L2539317-01	1	146	11811.76562	10.00	10.00	
L2539317-02	1	147	3419.62500		10.00	
L2539317-03	1	148	11435.67188	10.00	10.00	
	Calibration:		Table/Fig. : 1			
L2539317-04	1	149	2858.23877		10.00	
L2536540-03	1	153	113.02512	10.00		
WG2082947-5	1	154	112.71832	10.00		
WG2082947-6	1	155	126.88661	10.00		
CCV	1	S3	19.07812			
	Known Conc:		20.00000			
CCB	1	S9	0.57140			
	Known Conc:		0.00000			
L2536540-04	1	156	99.68674			
L2536540-05	1	157	68.70278			
L2536540-06	1	158	80.68041			
L2536540-07	1	159	69.12805			
L2536540-08	1	160	72.46521			
L2539317-01	1	146	11069.85156	100.00	10.00	
L2539317-02	1	147	7455.60645	10.00	10.00	
L2539317-03	1	148	10444.18359	100.00	10.00	
L2539317-04	1	149	5057.08789	10.00	10.00	
L2536810-01	1	161	16.45995	10.00		
CCV	1	S3	19.14029			
	Known Conc:		20.00000			
CCB	1	S9	0.47383			
	Known Conc:		0.00000			
L2536810-01	1	161	15.40807			
WG2082947-3	1	162	15.77867			
WG2082947-4	1	163	36.37005			
L2536810-02	1	164	15.32161			
L2536810-03	1	165	33.24099			
L2536810-04	1	166	17.28898			
L2536810-05	1	167	48.53565			
L2536810-06	1	168	61.82831			
L2536810-07	1	169	156.49016			
L2536810-08	1	170	36.13319			
CCV	1	S3	18.94780			
	Known Conc:		20.00000			
CCB	1	S9	0.34765			
	Known Conc:		0.00000			
L2536810-09	1	171	0.33044			
L2536810-11	1	172	25.79978			
L2536810-12	1	173	19.32102			
L2536810-13	1	174	7.46168			
L2536810-14	1	175	45.02032			
L2535819-16	1	61	143.42073		10.00	
L2535819-19	1	62	100.09169		10.00	
L2535819-22	1	63	55.08719			
L2535822-15	1	78	0.75859			
L2535822-18	1	79	119.28997		10.00	
CCV	1	S3	19.28921			

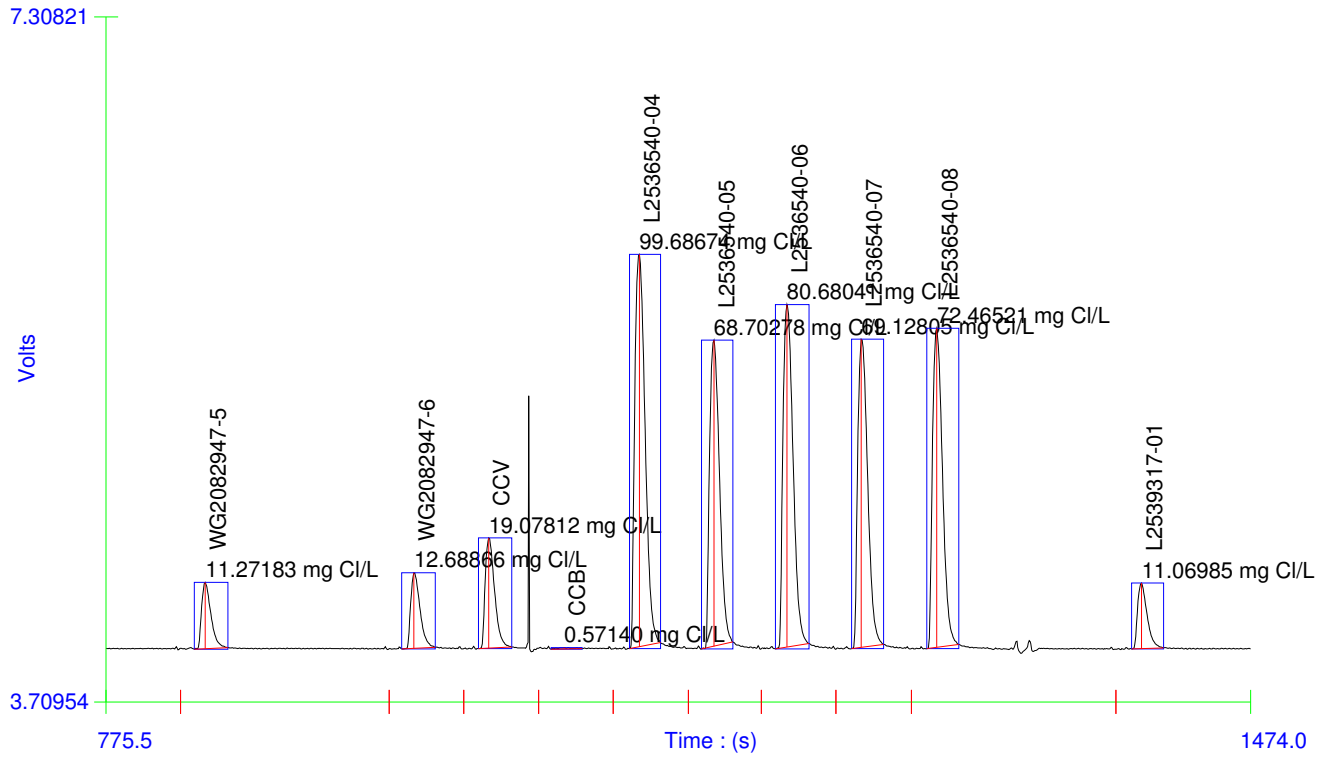
		Known Conc:	20.00000			
CCB	1	S9	0.20050			
		Known Conc:	0.00000			
L2535822-21	1	80	125.40733		10.00	
L2535822-24	1	81	132.09399		10.00	
L2535822-15	1	78	0.35230			
L2537391-01	1	82	326.90195		25.00	
L2535814-06	1	48	94.40754		10.00	
L2535814-09	1	49	23.12793			
L2535814-18	1	52	99.82184		10.00	
L2535814-21	1	53	96.84342		10.00	
L2535814-24	1	54	50.93859			
L2536185-01	1	176	129.34026		10.00	
CCV	1	S3	18.95004			
		Known Conc:	20.00000			
CCB	1	S9	0.21406			
		Known Conc:	0.00000			
WG2082948-3	1	177	129.43063		10.00	
WG2082948-4	1	178	140.24168		10.00	
L2536185-04	1	179	7.98973		10.00	
L2536185-05	1	180	102.90475		10.00	
L2536185-06	1	1	2.46112		10.00	
L2536185-06	1	1	95.89176		10.00	
L2536614-01	1	2	97.61888		10.00	
L2536614-02	1	3	23.41562		10.00	
L2536614-03	1	4	199.87718		10.00	
L2537053-01	1	5	137.12042		10.00	
CCV	1	S3	19.43788			
		Known Conc:	20.00000			
CCB	1	S9	0.25005			
		Known Conc:	0.00000			
L2537053-02	1	6	86.87723		10.00	
L2537053-03	1	7	196.87706		10.00	
L2536268-02	1	27	60.27300		10.00	
WG2082950-3	1	28	58.16051		10.00	
WG2082950-4	1	29	82.49406		10.00	
L2536268-03	1	30	64.98016		10.00	
L2536268-04	1	31	3.26890		10.00	
L2536268-08	1	32	0.46266			
L2536268-09	1	33	80.47943		10.00	
L2536268-10	1	34	193.74335		10.00	
CCV	1	S3	19.10997			
		Known Conc:	20.00000			
CCB	1	S9	0.40209			
		Known Conc:	0.00000			
L2536730-01	1	35	103.98854		10.00	
WG2082950-5	1	36	103.72131		10.00	
WG2082950-6	1	37	116.59506		10.00	
L2536730-02	1	38	109.09291		10.00	
L2536730-03	1	39	142.92368		10.00	
L2536730-04	1	40	0.41538			
L2539470-01	1	150	3.93399			
L2539470-02	1	151	1.78293			
L2539470-03	1	152	2.46478			
L2536540-04	1	156	95.46268		10.00	
CCV	1	S3	19.53240			
		Known Conc:	20.00000			
CCB	1	S9	0.49830			
		Known Conc:	0.00000			
L2536540-04	1	156	101.44133		10.00	
L2536540-05	1	157	68.38285			
L2536810-07	1	169	185.32866		10.00	
L2536810-08	1	170	35.48009			
CCV	1	S3	19.30441			
		Known Conc:	20.00000			
CCB	1	S9	0.81877			
		Known Conc:	0.00000			

Channel 1 (Chloride) - Set: 1 / 11

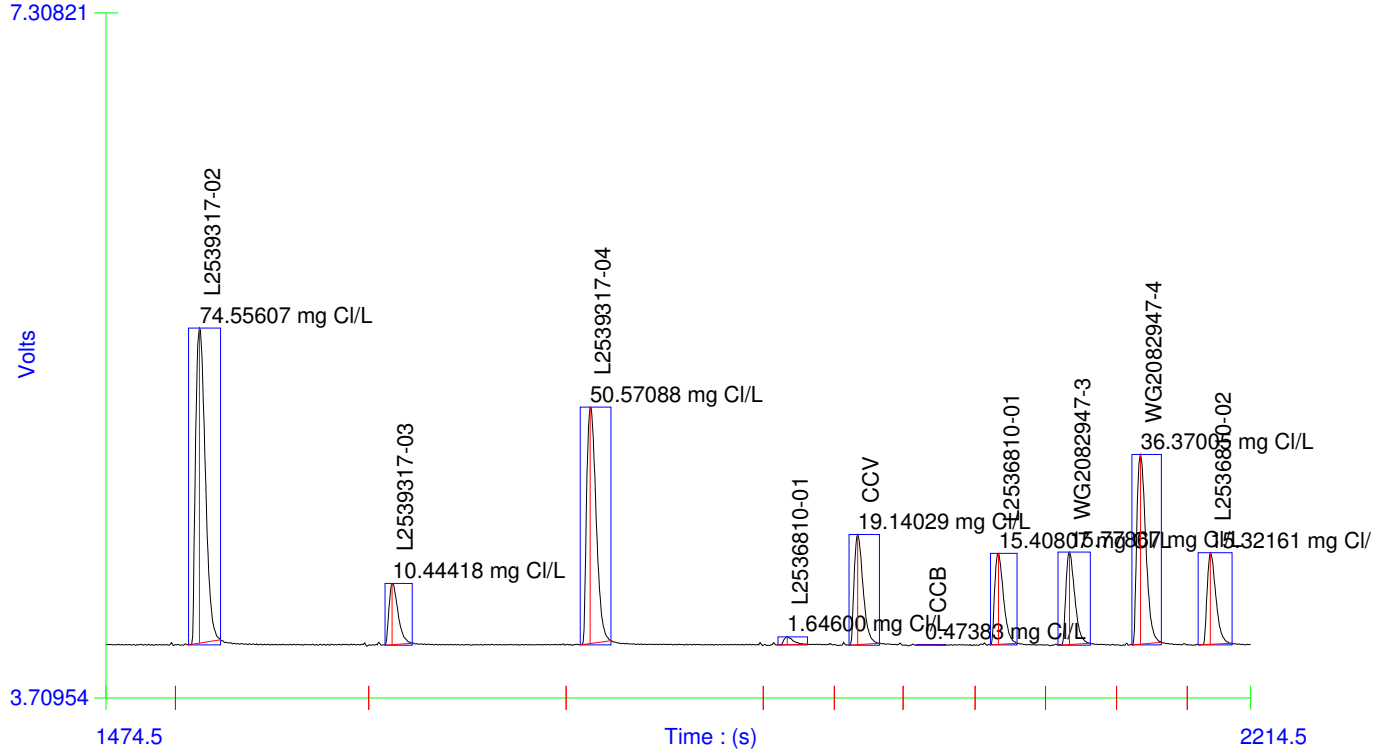


Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 2 / 11

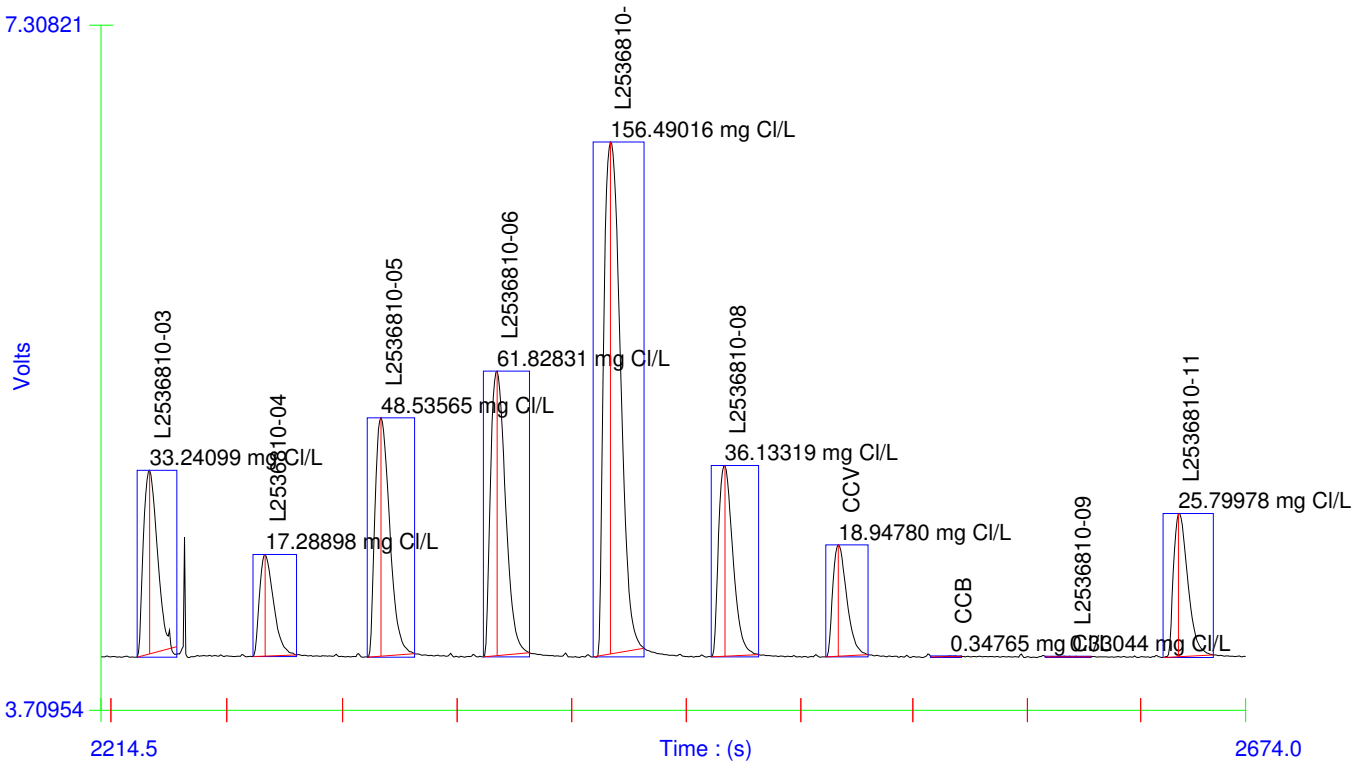


Channel 1 (Chloride) - Set: 3 / 11



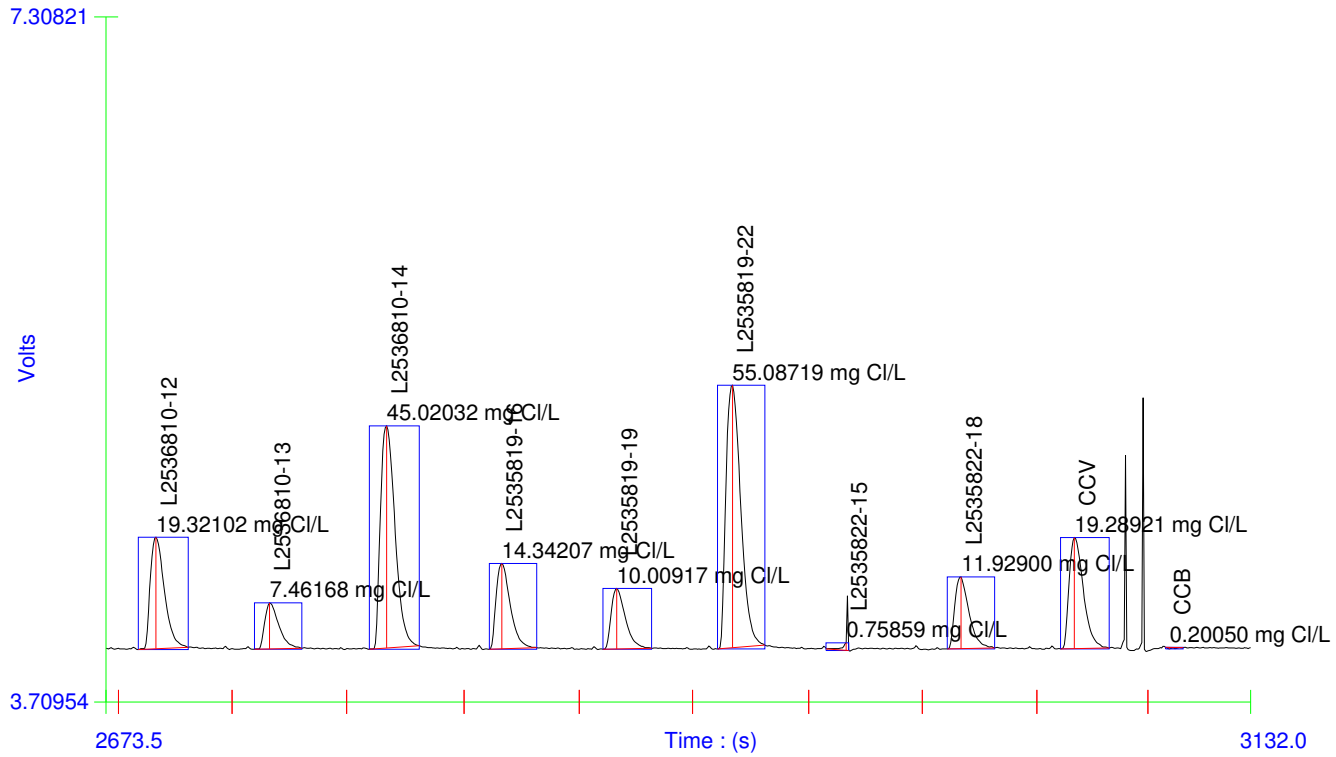
Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 4 / 11

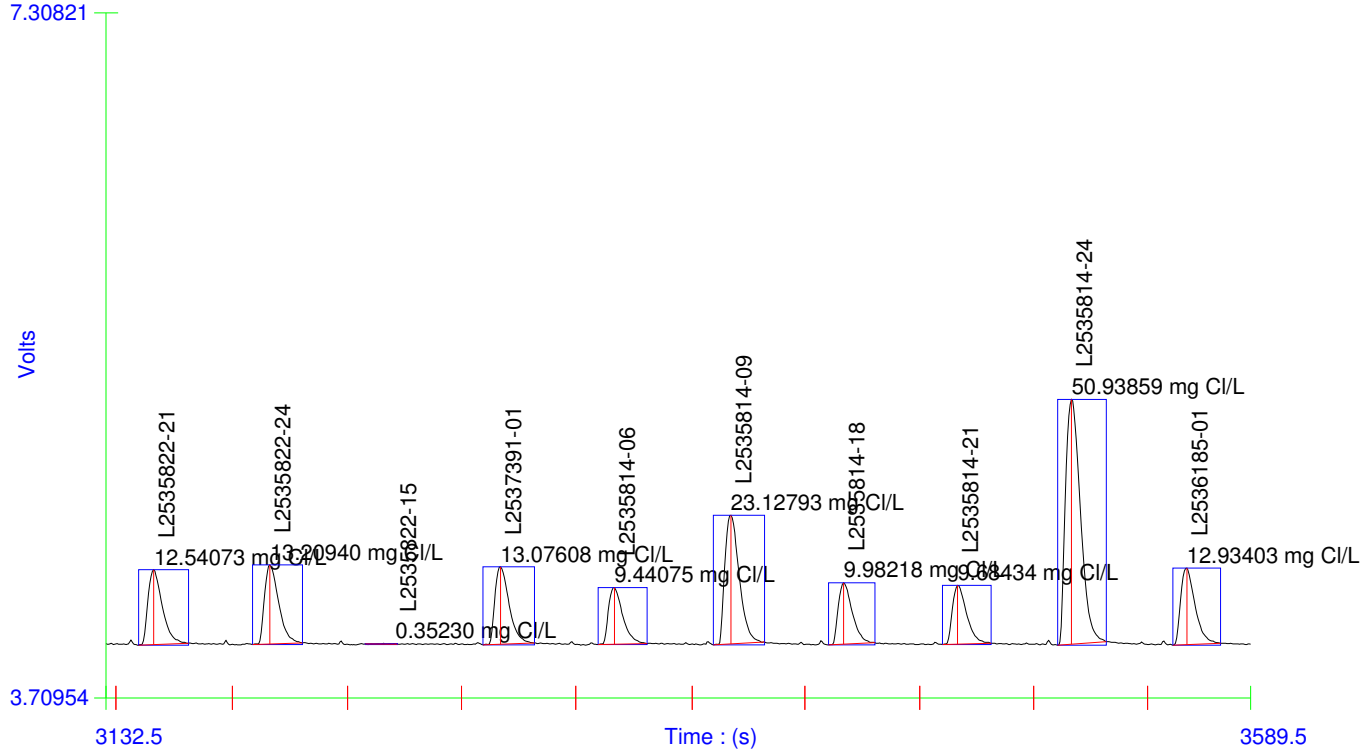


Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 5 / 11

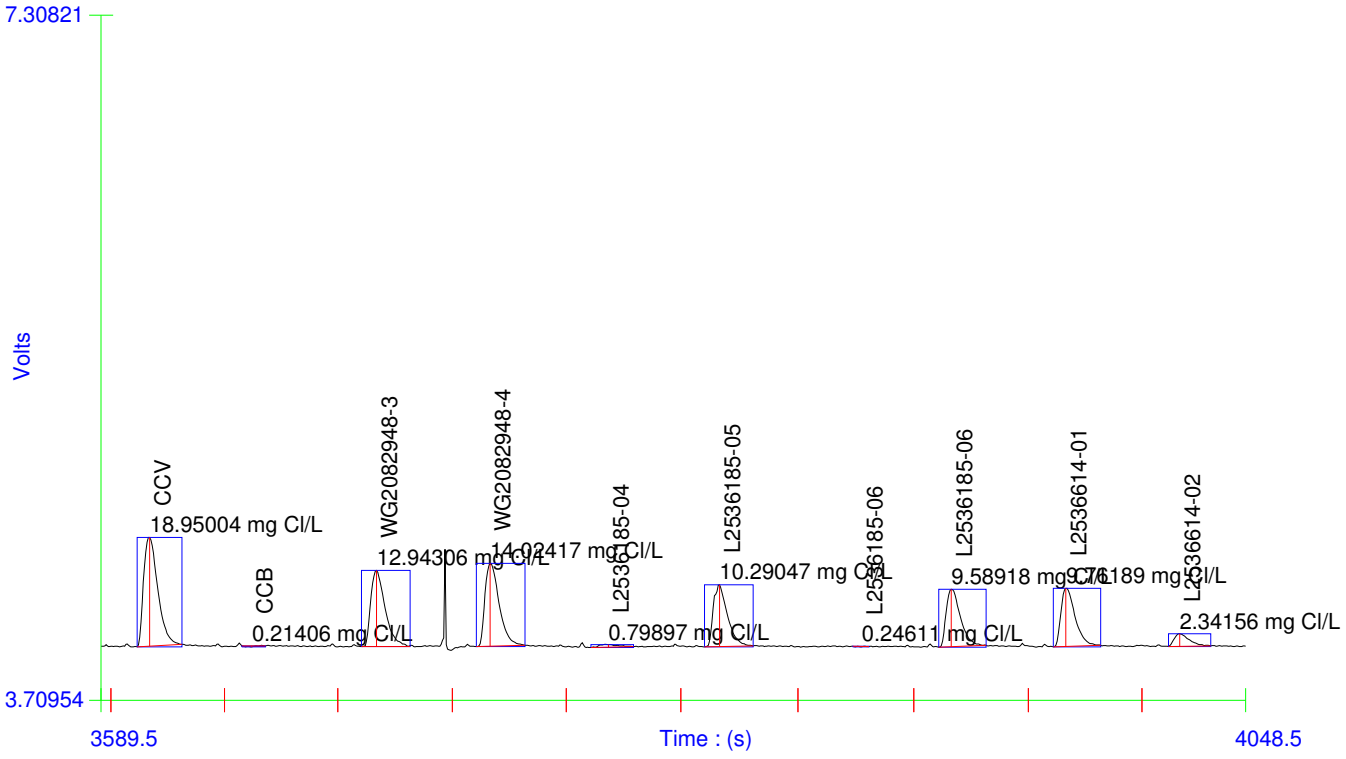


Channel 1 (Chloride) - Set: 6 / 11



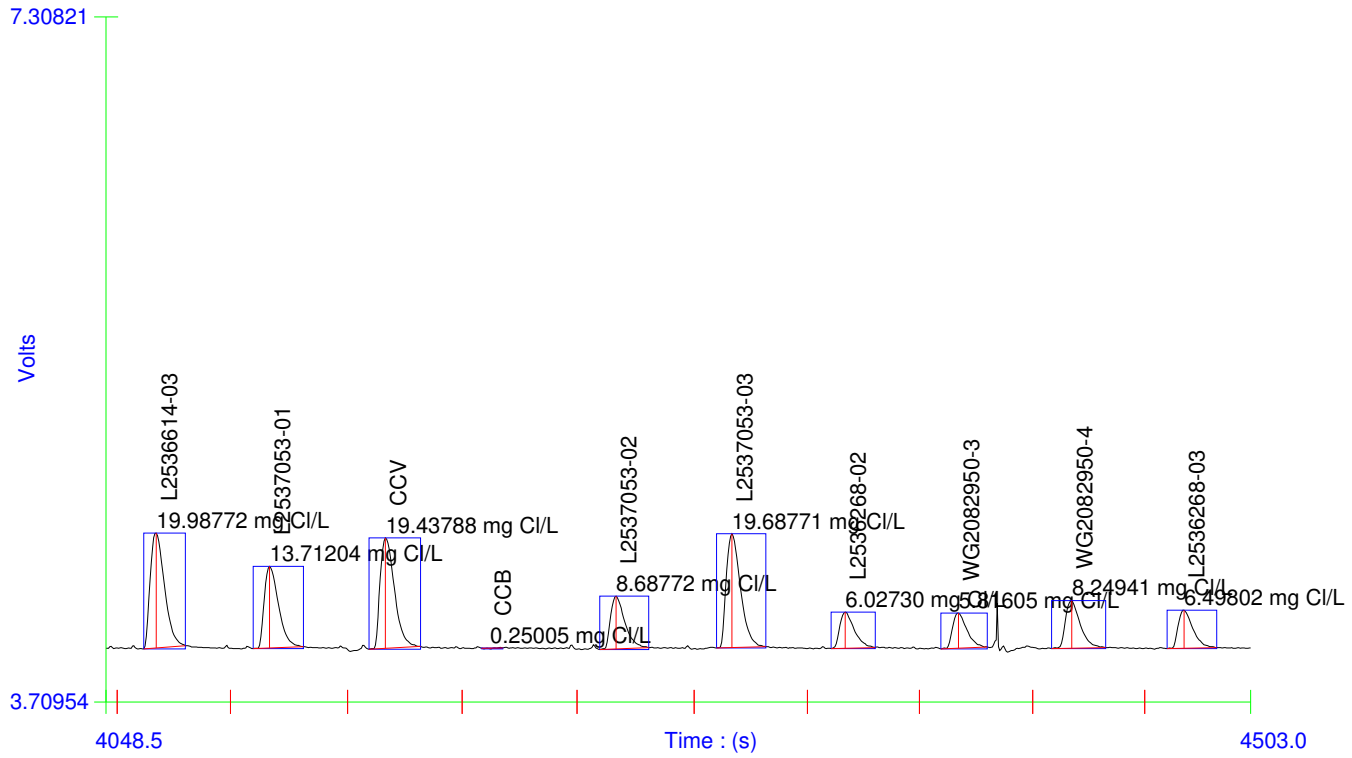
Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 7 / 11

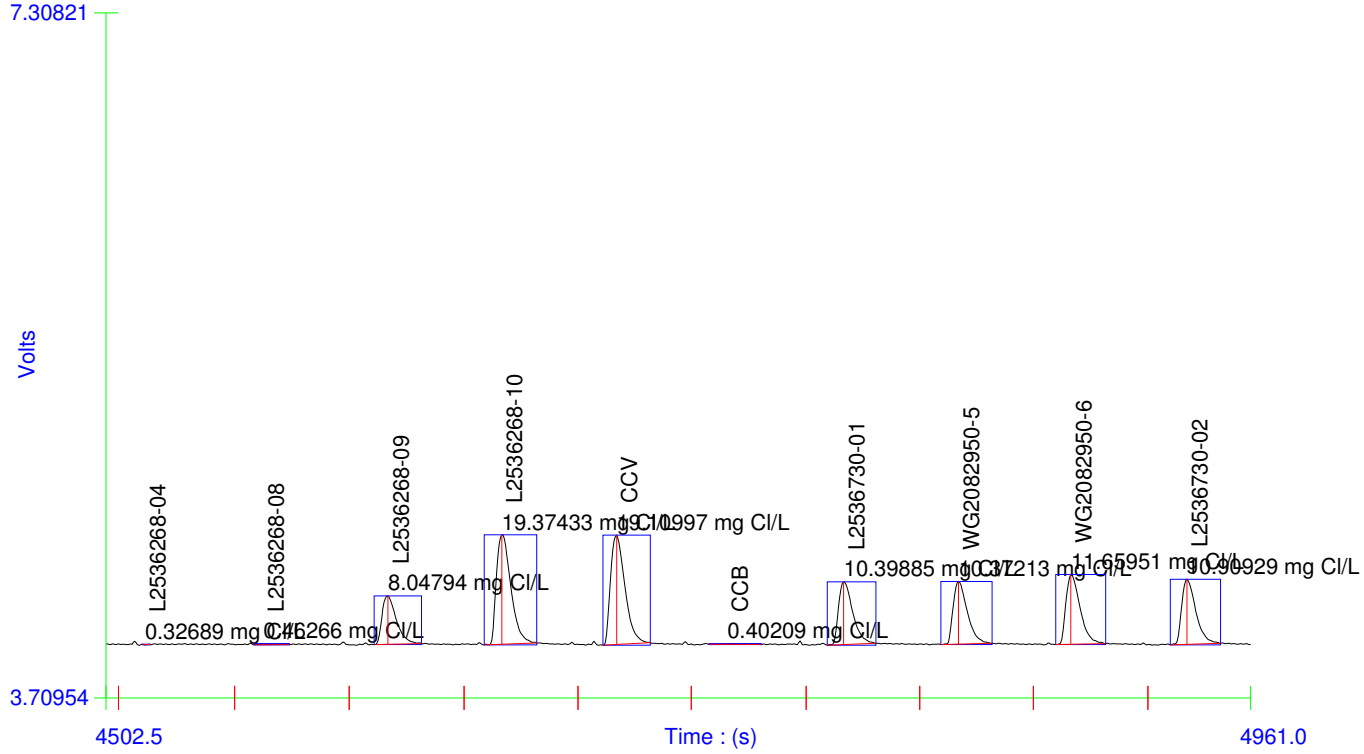


Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 8 / 11

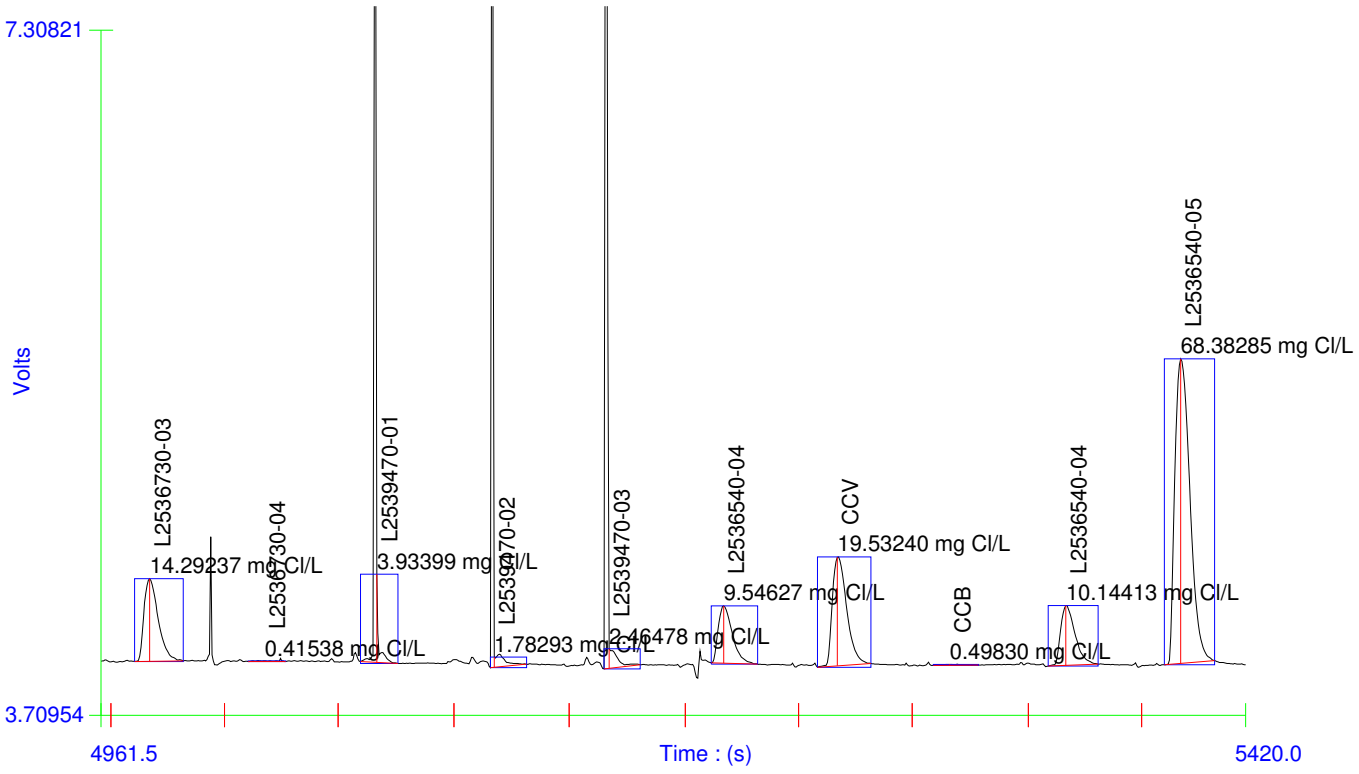


Channel 1 (Chloride) - Set: 9 / 11



Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 10 / 11



Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 11 / 11

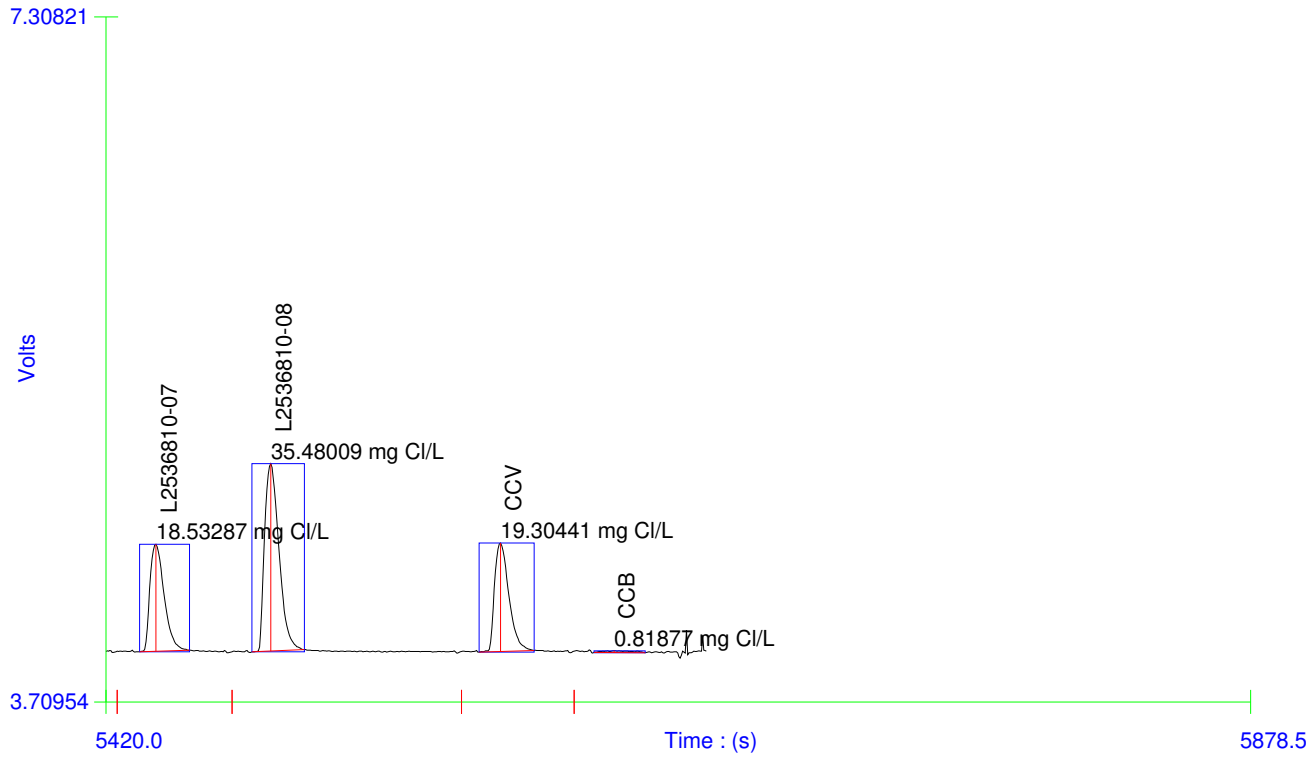
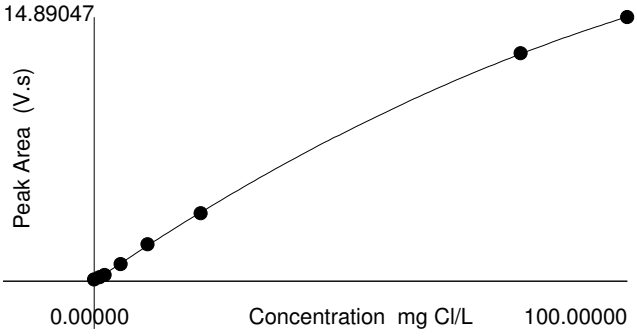


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.89047	2.03901	0.0	0.1	98.95296	6/24/2025	9:17:48 PM
2	80.00000	1	12.85401	1.79955	0.0	-0.3	81.47868	6/24/2025	9:18:34 PM
3	20.00000	1	3.82137	0.56964	0.0	1.3	19.19596	6/24/2025	9:19:20 PM
4	10.00000	1	2.06764	0.30948	0.0	-3.8	9.98377	6/24/2025	9:20:05 PM
5	5.00000	1	0.95442	0.14375	0.0	5.6	4.62208	6/24/2025	9:20:53 PM
6	2.00000	1	0.33612	0.05752	0.0	17.7	1.80711	6/24/2025	9:21:39 PM
7	1.00000	1	0.21565	0.02707	0.0	-5.0	1.27218	6/24/2025	9:22:26 PM
8	0.00000	1	0.08276	0.01556			0.68726	6/24/2025	9:23:10 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00056 * Conc^2 + 0.20473 * Conc + 0.00120
Conc = 0.15226 * Area^2 + 4.35624 * Area + 0.32569
Correlation Coefficient (r) = 0.99995

Weighting : None

Author: Date : 6/25/2025

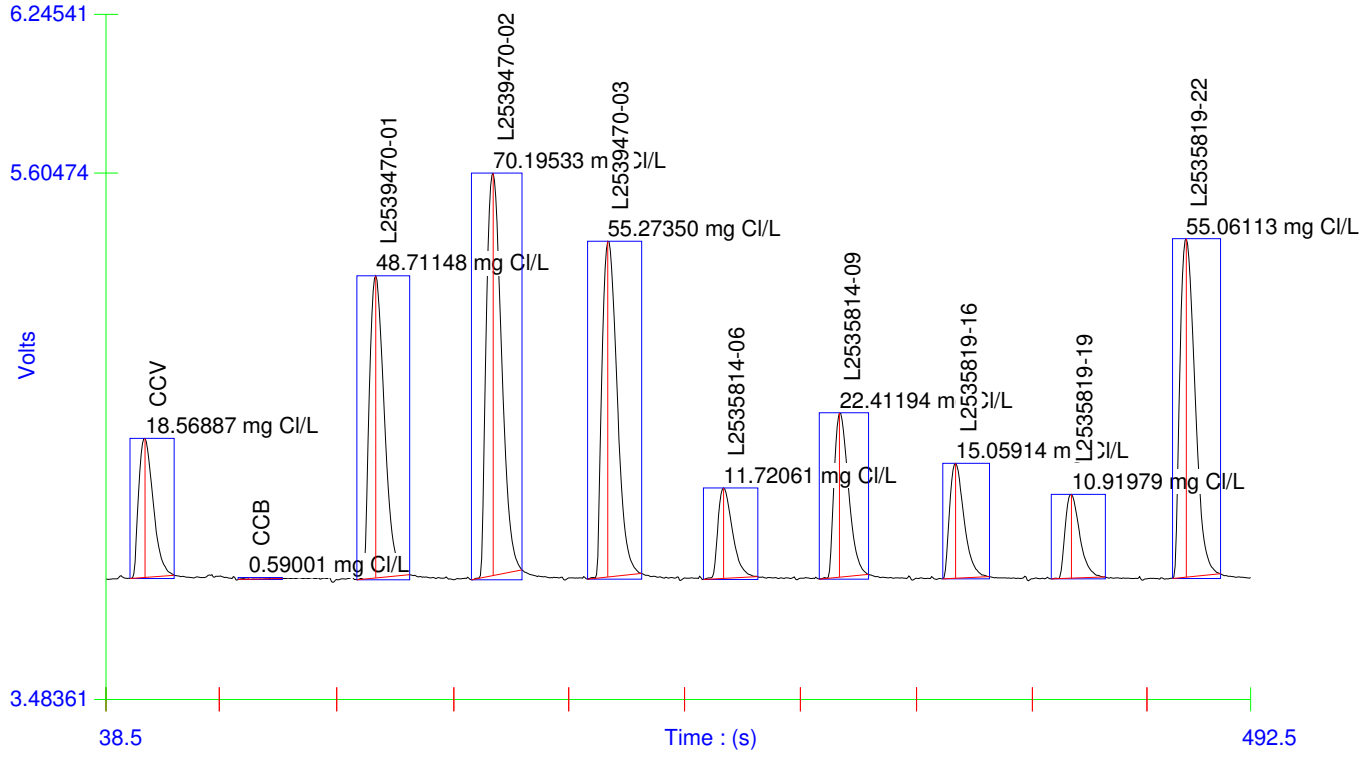
Original Run Filename: OM_6-25-2025_03-11-26AM.OMN Created: 6/25/2025 3:11:26 AM
Original Run Author's Signature: [a1wetcheminstrument]
Current Run Filename: OM_6-25-2025_03-11-26AM.OMN Last Modified: 6/25/2025 4:07:49 AM
Current Run Author's Signature: [a1wetcheminstrument]
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride-CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.56887			
	Known Conc:		20.00000			
CCB	1	S9	0.59001			
	Known Conc:		0.00000			
	Calibration:		Table/Fig. : 1			
L2539470-01	1	1	487.11481		10.00	
L2539470-02	1	2	701.95325		10.00	
L2539470-03	1	3	552.73499		10.00	
L2535814-06	1	4	117.20612		10.00	
L2535814-09	1	5	22.41194			
L2535819-16	1	6	150.59142		10.00	
L2535819-19	1	7	109.19791		10.00	
L2535819-22	1	8	55.06113			
L2535807-09	1	9	91.87846		10.00	
L2535807-12	1	10	90.68568		10.00	
CCV	1	S3	18.98730			
	Known Conc:		20.00000			
CCB	1	S9	0.47364			
	Known Conc:		0.00000			
L2535807-15	1	11	0.32260			
L2536725-01	1	12	0.58924			
L2536725-02	1	13	2.53387			
L2536725-03	1	14	0.69955			
WG2082941-3	1	15	0.61355			
WG2082941-4	1	16	21.20778			
L2537227-01	1	17	27.63190			
L2537227-02	1	18	27.11376			
L2537509-01	1	19	1.65226			
L2535822-18	1	20	130.38080		10.00	
CCV	1	S3	18.90204			
	Known Conc:		20.00000			
CCB	1	S9	0.57505			
	Known Conc:		0.00000			
L2535822-21	1	21	205.39902		10.00	
L2535822-24	1	22	184.24661		10.00	
L2537391-01	1	23	455.39075		10.00	
L2536247-12	1	24	26.66762			
WG2082940-3	1	25	26.85111			
WG2082940-4	1	26	45.35163			
L2536247-13	1	27	14.52584			
L2536247-16	1	28	17.08991			
L2536247-17	1	29	17.14944			
L2536345-01	1	30	60.72635			
CCV	1	S3	18.89715			
	Known Conc:		20.00000			
CCB	1	S9	0.58079			
	Known Conc:		0.00000			
L2536345-02	1	31	59.66715			
L2536345-04	1	32	63.17401			
L2536345-06	1	33	64.67197			
L2536572-04	1	34	44.42178			
L2536572-07	1	35	11.22684			
L2536572-08	1	36	10.35202			
L2536572-09	1	37	13.07544			
WG2082944-5	1	38	13.42076			
WG2082944-6	1	39	31.16973			
L2538013-01	1	40	7.18255	10.00		
CCV	1	S3	19.08654			

Author: Date : 6/25/2025

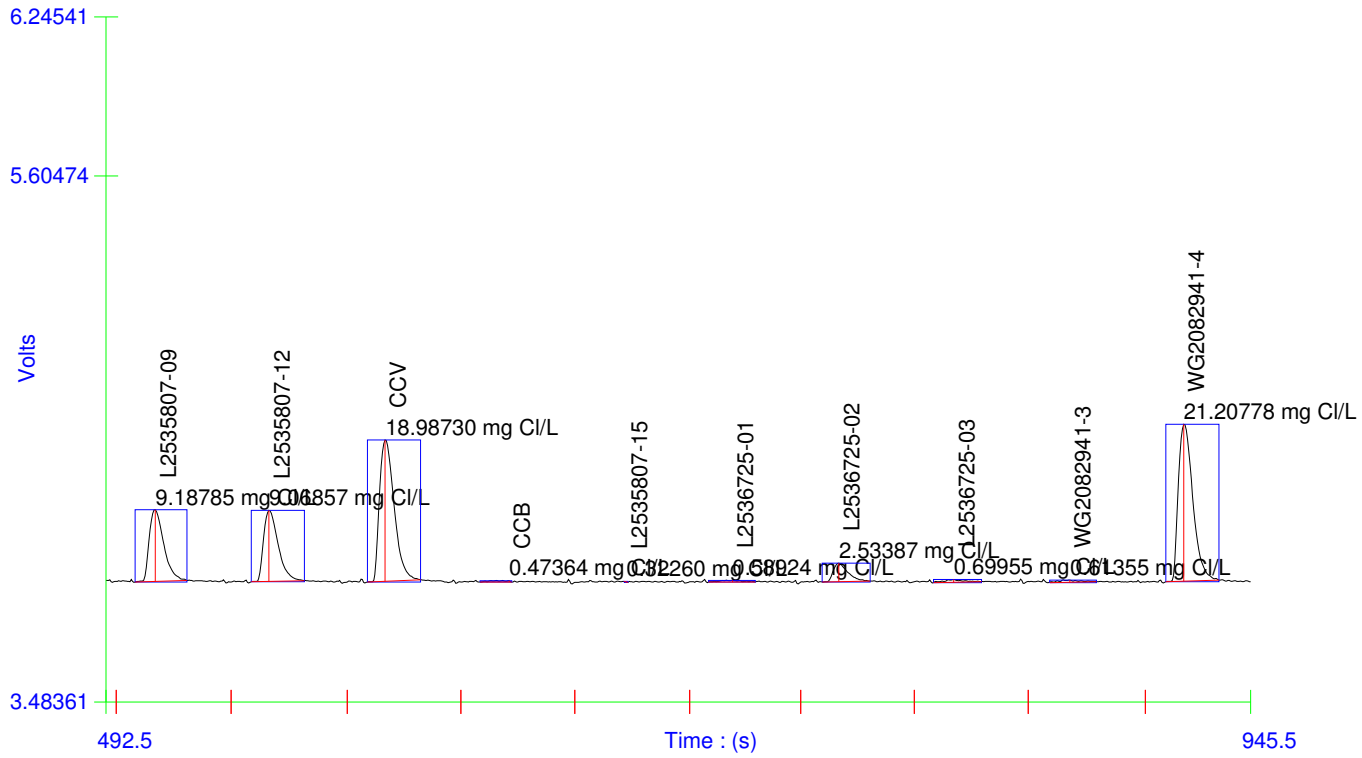
		Known Conc:	20.00000			
CCB	1	S9	0.63894			
		Known Conc:	0.00000			
WG2083092-3	1	41	3.04492			
WG2083092-4	1	42	23.01705			
L2538013-02	1	43	26.64984			
L2538013-03	1	44	26.63838			
L2538013-04	1	45	21.17197			
L2538013-05	1	46	12.99816			
L2538013-06	1	47	17.50341			
L2538013-07	1	48	17.48897			
WG2083092-1	1	49	0.57002			
WG2083092-2	1	50	28.55059			
CCV	1	S3	18.90782			
		Known Conc:	20.00000			
CCB	1	S9	0.53545			
		Known Conc:	0.00000			
L2537655-01	1	51	3.56205			
L2537655-02	1	52	13.25866			
L2537655-03	1	53	0.88728			
L2537655-04	1	54	9.49825			
L2537655-05	1	55	5.79039			
L2538013-01	1	40	2.89572			
CCV	1	S3	18.57691			
		Known Conc:	20.00000			
CCB	1	S9	0.63519			
		Known Conc:	0.00000			

Channel 1 (Chloride) - Set: 1 / 7

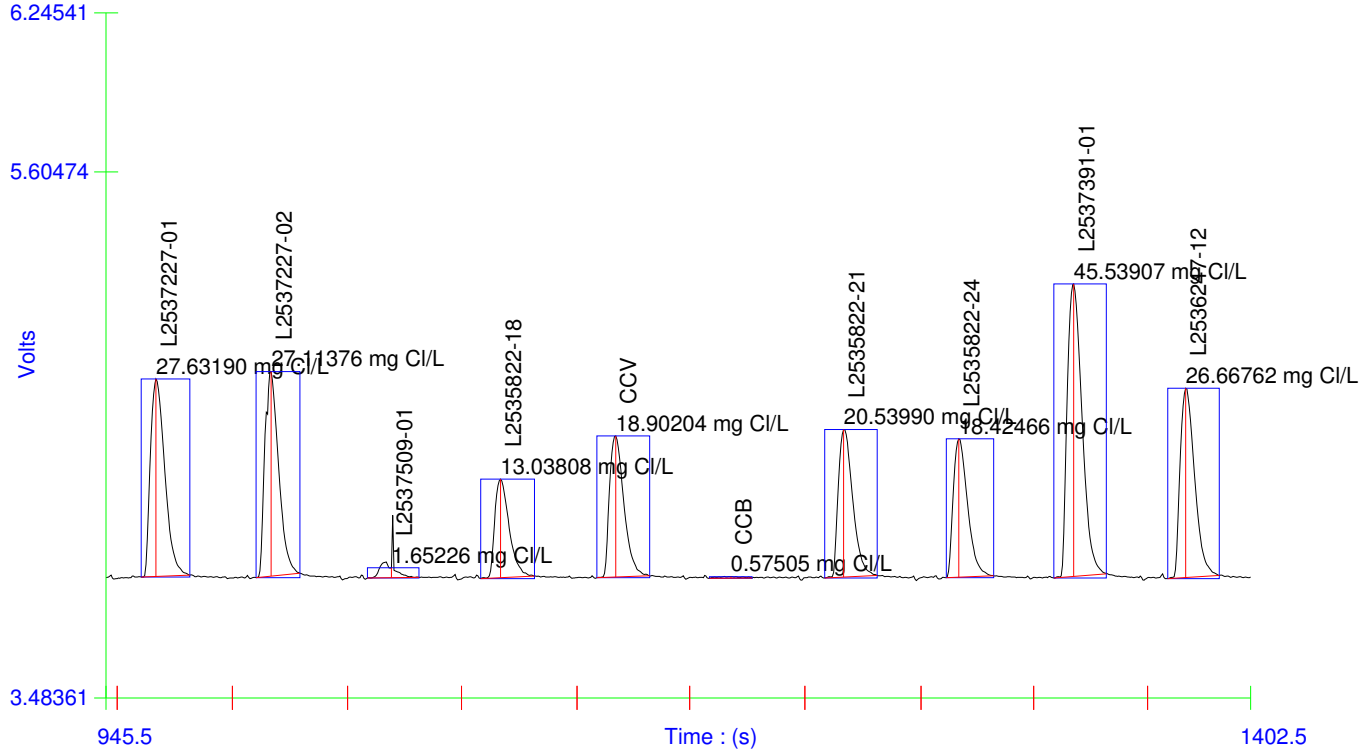


Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 2 / 7

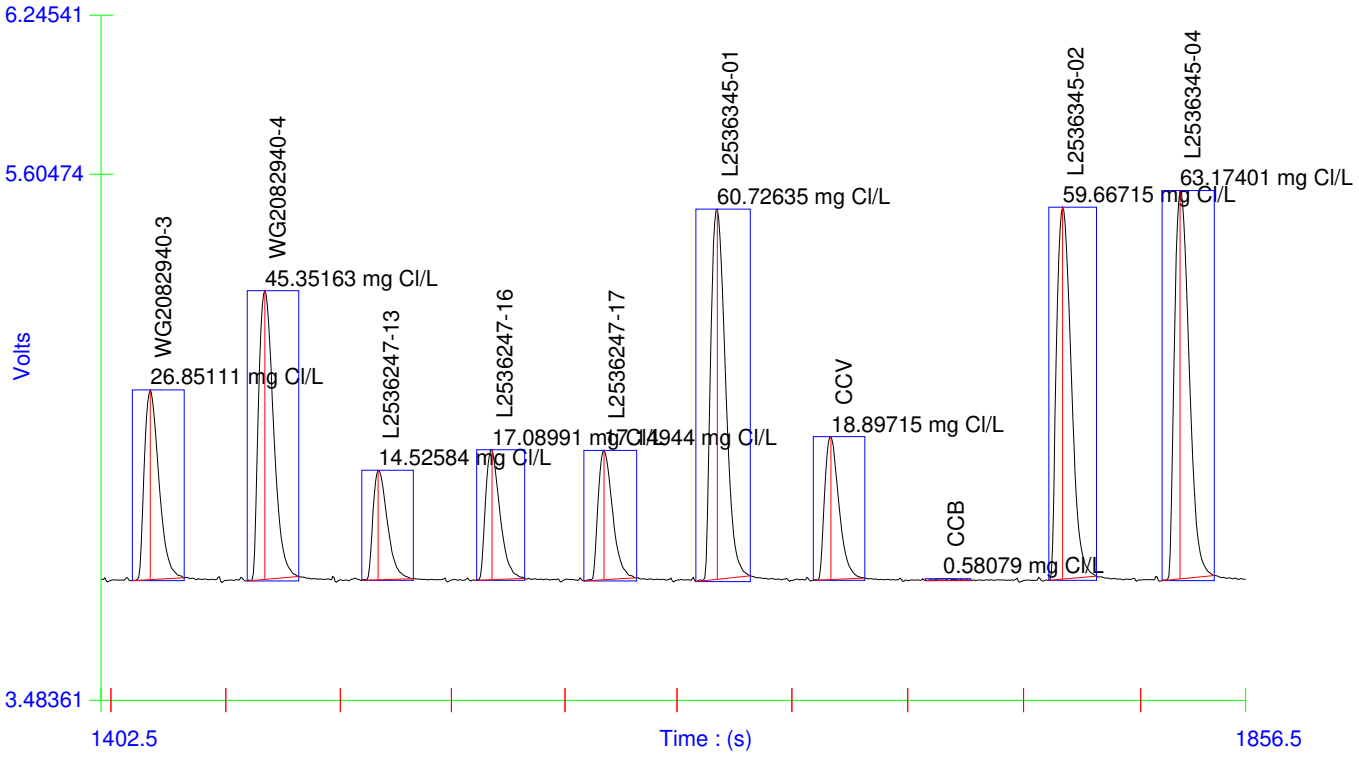


Channel 1 (Chloride) - Set: 3 / 7



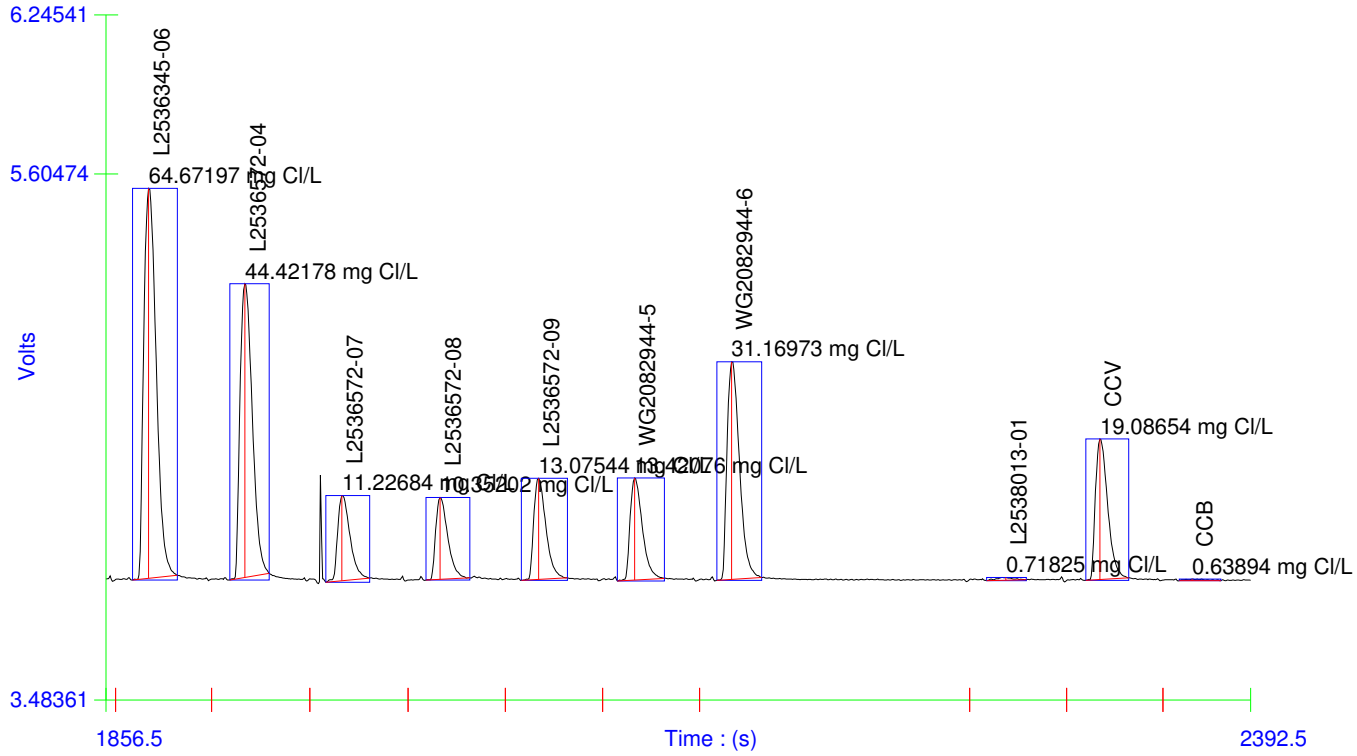
Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 4 / 7

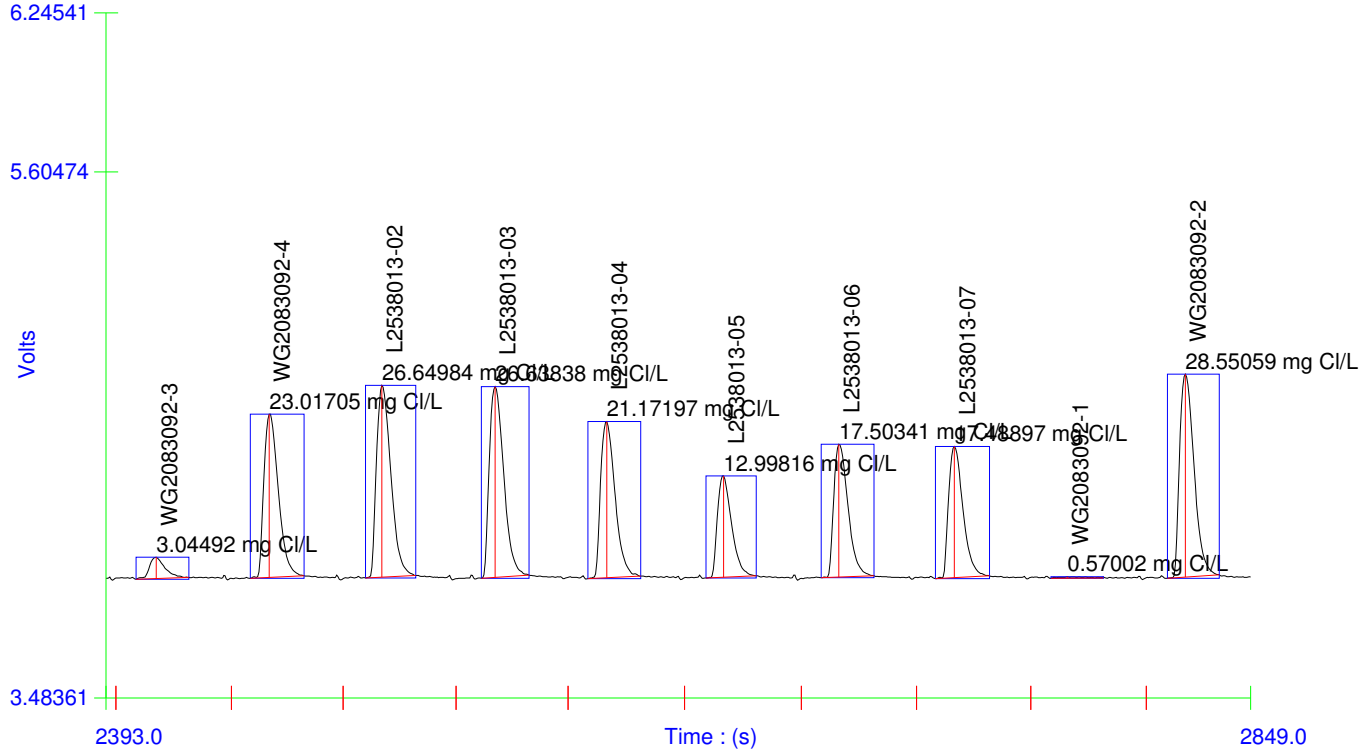


Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 5 / 7



Channel 1 (Chloride) - Set: 6 / 7



Author: Date : 6/25/2025

Channel 1 (Chloride) - Set: 7 / 7

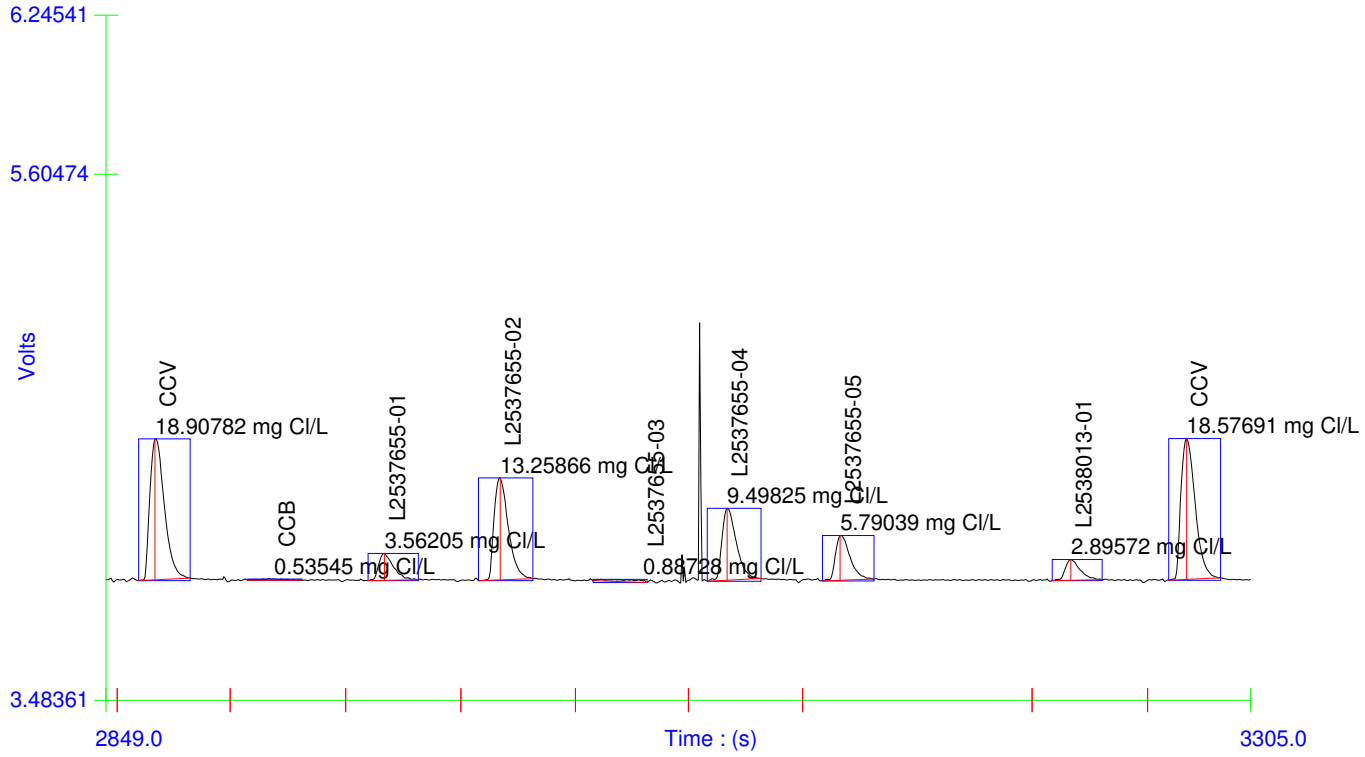
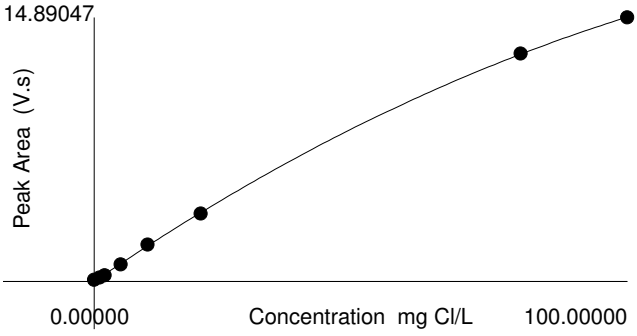


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.89047	2.03901	0.0	0.1	98.95296	6/24/2025	9:17:48 PM
2	80.00000	1	12.85401	1.79955	0.0	-0.3	81.47868	6/24/2025	9:18:34 PM
3	20.00000	1	3.82137	0.56964	0.0	1.3	19.19596	6/24/2025	9:19:20 PM
4	10.00000	1	2.06764	0.30948	0.0	-3.8	9.98377	6/24/2025	9:20:05 PM
5	5.00000	1	0.95442	0.14375	0.0	5.6	4.62208	6/24/2025	9:20:53 PM
6	2.00000	1	0.33612	0.05752	0.0	17.7	1.80711	6/24/2025	9:21:39 PM
7	1.00000	1	0.21565	0.02707	0.0	-5.0	1.27218	6/24/2025	9:22:26 PM
8	0.00000	1	0.08276	0.01556			0.68726	6/24/2025	9:23:10 PM

Figure : 1 (Chloride-CH3)



Area = - 0.00056 * Conc^2 + 0.20473 * Conc + 0.00120
Conc = 0.15226 * Area^2 + 4.35624 * Area + 0.32569
Correlation Coefficient (r) = 0.99995

Weighting : None

Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082940-4	**MS Analysis Date**	: 06/25/25 03:35
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Chloride	27.	20	45.	90					58-140	7

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/25/25 03:34
Dup Sample ID	: WG2082940-3	**DUP Analysis Date**	: 06/25/25 03:35

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	27.	27.	0	7

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082940-2	**LCS Analysis Date**	: 06/24/25 21:37
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Chloride	**30.0**	**30.0**	**100.**					**90-110**	**7**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chloride	16887-00-6	1	0.2	mg/l	90-110		58-140	7	7	4500CL-E	28 days	1 - Plastic 250ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Chloride	16887-00-6	10	3.73	mg/kg	89-109	35	62-129	35	35	9251	28 days	1 - Glass 250ml/8oz unpreserved
Chloride	16887-00-6	10	3.73	mg/kg	90-110	35	62-129	35	35	4500CL-E	28 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

Cl mg/L = mg/L direct reading x dilution factor

Sequence Logs

250624 Sample ID

1	ICV 5	1	L2539470-01
2	ICV 30	2	L2539470-02
3	ICV 80	3	L2539470-03
4	ICB	4	L2535814-06
5	100 PPM	5	L2535814-09
6	WG2082897-1	6	L2535819-16
7	WG2082897-2	7	L2535819-19
8	L2538580-01	8	L2535819-22
9	L2538580-02	9	L2535807-09
10	L2538580-03	10	L2535807-12
11	L2538580-04	11	L2535807-15
12	L2538580-05	12	L2536725-01
13	L2538580-06	13	L2536725-02
14	L2538580-07	14	L2536725-03
15	L2538580-08	15	WG2082941-3
16	WG2082897-3	16	WG2082941-4
17	WG2082897-4	17	L2537227-01
18	L2538794-01	18	L2537227-02
		19	L2537509-01
86	ICV 5	20	L2535822-18
87	ICV 30	21	L2535822-21
88	ICV 80	22	L2535822-24
89	ICB	23	L2537391-01
90	100 PPM	24	L2536247-12
1	WG2082935-1	25	WG2082940-3
2	WG2082935-2	26	WG2082940-4
3	WG2082937-1	27	L2536247-13
4	WG2082937-2	28	L2536247-16
5	WG2082939-1	29	L2536247-17
6	WG2082939-2	30	L2536345-01
7	WG2082940-1	31	L2536345-02
8	WG2082940-2	32	L2536345-04
9	WG2082941-1	33	L2536345-06
10	WG2082941-2	34	L2536572-04
11	WG2082944-1	35	L2536572-07
12	WG2082944-2	36	L2536572-08
13	WG2082947-1	37	L2536572-09
14	WG2082947-2	38	WG2082944-5
15	WG2082948-1	39	WG2082944-6
16	WG2082948-2	40	L2538013-01
17	WG2082951-1	41	WG2083092-3
18	WG2082951-2	42	WG2083092-4
19	WG2082950-1	43	L2538013-02
20	WG2082950-2	44	L2538013-03
21	L2535803-01	45	L2538013-04

22 L2535803-02
23 L2535803-03
24 L2535803-04
25 L2535807-03
26 L2535807-06
27 L2535807-09
28 L2535807-12
29 L2535807-15
30 L2535807-18
31 L2535807-21
32 L2535807-24
33 L2535807-27
34 L2535809-01
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42 WG2082935-4
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44 WG2082937-3
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46 L2535809-25
47 L2535814-03
48 L2535814-06
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51 L2537655-01
52 L2537655-02
53 L2537655-03
54 L2537655-04
55 L2537655-05

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73 L2535820-25
74 L2535822-03
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76 L2535822-09
77 L2535822-12
78 L2535822-15
79 L2535822-18
80 L2535822-21
81 L2535822-24
82 L2537391-01
83 L2536247-01
84 L2536247-02
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91 L2536247-04
92 L2536247-05
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106 L2536247-17
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108 L2536247-20
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110 L2536345-02
111 L2536345-04
112 L2536345-06
113 L2536572-01
114 WG2082944-3
115 WG2082944-4
116 L2536572-02
117 L2536572-03
118 L2536572-04
119 L2536572-05
120 L2536572-06

121 L2536572-07
122 L2536572-08
123 L2536572-09
124 WG2082944-5
125 WG2082944-6
126 L2536572-10
127 L2536572-11
128 L2536572-12
129 L2537295-01
130 L2537295-03
131 L2536725-01
132 L2536725-02
133 L2536725-03
134 WG2082941-3
135 WG2082941-4
136 L2536792-01
137 L2536821-01
138 L2536869-01
139 L2536969-07
140 L2537227-01
141 L2537227-02
142 L2537509-01
143 L2537671-01
144 L2537671-02
145 L2538975-01
146 L2539317-01
147 L2539317-02
148 L2539317-03
149 L2539317-04
153 L2536540-03
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155 WG2082947-6
156 L2536540-04
157 L2536540-05
158 L2536540-06
159 L2536540-07
160 L2536540-08
161 L2536810-01
162 WG2082947-3
163 WG2082947-4
164 L2536810-02
165 L2536810-03
166 L2536810-04
167 L2536810-05
168 L2536810-06
169 L2536810-07
170 L2536810-08

171 L2536810-09
172 L2536810-11
173 L2536810-12
174 L2536810-13
175 L2536810-14
176 L2536185-01
177 WG2082948-3
178 WG2082948-4
179 L2536185-04
180 L2536185-05
1 L2536185-06
2 L2536614-01
3 L2536614-02
4 L2536614-03
5 L2537053-01
6 L2537053-02
7 L2537053-03
27 L2536268-02
28 WG2082950-3
29 WG2082950-4
30 L2536268-03
31 L2536268-04
32 L2536268-08
33 L2536268-09
34 L2536268-10
35 L2536730-01
36 WG2082950-5
37 WG2082950-6
38 L2536730-02
39 L2536730-03
40 L2536730-04

Fluoride Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.04	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.13	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.09	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.06	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.04	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.03	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.05	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 05:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2082083.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.03	0.20	0.01	J

Form 1
WETCHEM

Client	:	P. W. Grosser	**Lab Number**	:	L2536247
Project Name	:	ROANOKE SAND AND GRAVEL	**Project Number**	:	BSD1504
Lab ID	:	L2536247-13	**Date Collected**	:	06/09/25 12:00
Client ID	:	MW-02A	**Date Received**	:	06/10/25
Sample Location	:	104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	:	06/16/25 05:56
Sample Matrix	:	WATER	**Dilution Factor**	:	1
Analytical Method	:	121,4500F-BC	**Analyst**	:	DTH
Lab File ID	:	WG2079199.csv	**Instrument ID**	:	
Sample Amount	:		**%Solids**	:	N/A
Digestion Method	:		**Date Digested**	:	06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.16	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 06:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2080697.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.11	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 06:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2080697.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.10	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 05:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2082083.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.12	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 05:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2082083.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.11	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 06:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2080697.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.92	0.20	0.01	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/19/25 06:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2080697.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.11	0.20	0.01	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2079199-1	**Date Collected**	: NA
Client ID	: WG2079199-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.20	0.01	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2079199-3	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/16/25 05:56
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2079199.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/16/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.08	0.20	0.02	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2080697-1	**Date Collected**	: NA
Client ID	: WG2080697-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/19/25 06:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2080697.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.20	0.01	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2080697-3	**Date Collected**	: 06/17/25 09:15
Client ID	: WG2080697-3 DUP	**Date Received**	: 06/17/25
Sample Location	:	**Date Analyzed**	: 06/19/25 06:49
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2080697.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/19/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.04	0.20	0.02	J

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082083-1	**Date Collected**	: NA
Client ID	: WG2082083-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/23/25 05:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2082083.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	ND	0.20	0.01	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2082083-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/23/25 05:53
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500F-BC	**Analyst**	: DTH
Lab File ID	: WG2082083.csv	**Instrument ID**	:
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/23/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
16984-48-8	Fluoride	0.03	0.20	0.02	J

Sample Raw Data

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

F L U O R I D E

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis: FLUORIDE
Analysis Date: 6/23/2025 5:53
Method: SM 4500F-BC
Technician: DTH
LCS Concentration (mg/l): 2
Work group: WG2082083
Spike Concentration (mg/l): 1
RL: 0.20 mg/L
Distillation Date: 6/23/2025 0:41

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve	
						Slope	y-intercept
0.2	-0.699	128.8	-0.704	0.1978	99	-59.7870317	86.725
0.5	-0.301	104.6	-0.299	0.5024	100		
1.0	0.000	86.4	0.005	1.0126	101	Correlation	Coefficient
10	1.000	27.1	0.997	9.938	99	0.99997989	

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	50	50		YES	1.00	0	1.00	0.00	Recovery
	ICV	50	50		YES	1.00	0.968	1.00	0.97	97%
SAMP	L2536247-12	50	50		YES	1.00	0.0299	1.00	0.03	
SAMP	L2536247-16	50	50		YES	1.00	0.118	1.00	0.12	
SAMP	L2536247-17	50	50		YES	1.00	0.107	1.00	0.11	
SAMP	L2536930-01	50	50		YES	1.00	0.151	1.00	0.15	
SAMP	L2536930-02	50	50		YES	1.00	0.0668	1.00	0.07	
SAMP	L2536930-03	50	50		YES	1.00	0.0642	1.00	0.06	
SAMP	L2536930-04	50	50		YES	1.00	0.0552	1.00	0.06	
SAMP	L2537748-01	5	50		YES	10.00	1.38	10.00	13.80	
SAMP	L2538382-01	50	50		YES	1.00	0.0389	1.00	0.04	
SAMP	L2538382-02	50	50		YES	1.00	0.0302	1.00	0.03	
SAMP	L2538382-03	50	50		YES	1.00	0.0355	1.00	0.04	
SAMP	L2538382-04	50	50		YES	1.00	0.0373	1.00	0.04	
SAMP	L2538382-05	50	50		YES	1.00	0.026	1.00	0.03	
SAMP	L2538382-07	50	50		YES	1.00	0.0239	1.00	0.02	
SAMP	L2538805-03	50	50		YES	1.00	0.0217	1.00	0.02	
SAMP	L2538805-04	50	50		YES	1.00	0.0264	1.00	0.03	
	CCV	50	50		YES	1.00	0.969	1.00	0.97	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.969	1.00	0.97	
	CCB	50	50		YES	1.00	0	1.00	0.00	
BLANK	WG2082083-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2082083-3	50	50		YES	1.00	0.0284	1.00	0.03	L2536247-12

	Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2082083-4	50	50		YES	.03	0.991	1	0.99	96
LCS	WG2082083-2	50	50		YES		1.7	2	1.70	85

last sample

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

F L U O R I D E

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis: FLUORIDE
Analysis Date: 6/19/2025 6:49
Method: SM 4500F-BC
Technician: DTH
LCS Concentration (mg/l): 2
Work group: WG2080697
Spike Concentration (mg/l): 1
RL: 0.20 mg/L
Distillation Date: 6/19/2025 0:47

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve	
						Slope	y-intercept
0.2	-0.699	128.6	-0.698	0.2007	100	-59.0277875	87.425
0.5	-0.301	105.4	-0.305	0.4960	99		
1.0	0.000	87.3	0.002	1.0049	100	Correlation Coefficient	
10	1.000	28.4	1.000	9.999	100	0.999994	

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	50	50		YES	1.00	0	1.00	0.00	Recovery
	ICV	50	50		YES	1.00	1.01	1.00	1.01	101%
SAMP	L2536247-14	50	50		YES	1.00	0.111	1.00	0.11	
SAMP	L2536247-15	50	50		YES	1.00	0.103	1.00	0.10	
SAMP	L2536247-18	50	50		YES	1.00	0.923	1.00	0.92	
SAMP	L2536247-20	50	50		YES	1.00	0.106	1.00	0.11	
	L2537655-01	50	50		YES	1.00	0.0256	1.00	0.03	
	L2537655-02	50	50		YES	1.00	0.0382	1.00	0.04	
	L2537655-03	50	50		YES	1.00	0.00546	1.00	0.01	
	L2537655-04	50	50		YES	1.00	0.0217	1.00	0.02	
	L2537655-05	50	50		YES	1.00	0.0729	1.00	0.07	
SAMP	L2538013-01	50	50		YES	1.00	0.037	1.00	0.04	
SAMP	L2538013-02	50	50		YES	1.00	0.0271	1.00	0.03	
SAMP	L2538013-03	50	50		YES	1.00	0.0259	1.00	0.03	
SAMP	L2538013-04	50	50		YES	1.00	0.0664	1.00	0.07	
SAMP	L2538013-05	50	50		YES	1.00	0.0508	1.00	0.05	
SAMP	L2538013-06	50	50		YES	1.00	0.109	1.00	0.11	
SAMP	L2538013-07	50	50		YES	1.00	0.0613	1.00	0.06	
	CCV	50	50		YES	1.00	0.985	1.00	0.99	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.981	1.00	0.98	
	CCB	50	50		YES	1.00	0	1.00	0.00	
BLANK	WG2080697-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2080697-3	50	50		YES	1.00	0.0353	1.00	0.04	L2538013-01

	Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2080697-4	50	50		YES	.04	0.907	1	0.91	87
LCS	WG2080697-2	50	50		YES		1.71	2	1.71	86

last sample

PACE ANALYTICAL LABS

WET CHEMISTRY DEPARTMENT

F L U O R I D E

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis: FLUORIDE
Analysis Date: 6/16/2025 5:56
Method: SM 4500F-BC
Technician: DTH
LCS Concentration (mg/l): 2
Work group: WG2079199
Spike Concentration (mg/l): 1
RL: 0.20 mg/L
Distillation Date: 6/16/2025 1:14

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve	
						Slope	y-intercept
0.2	-0.699	128.7	-0.703	0.1980	99	-59.5085366	86.85
0.5	-0.301	104.7	-0.300	0.5012	100		
1.0	0.000	86.5	0.006	1.0136	101	Correlation Coefficient	
10	1.000	27.5	0.997	9.939	99	0.99998071	

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	50	50		YES	1.00	0	1.00	0.00	Recovery
	ICV	50	50		YES	1.00	1	1.00	1.00	100%
SAMP	L2533578-05	50	50		YES	1.00	0.303	1.00	0.30	
SAMP	L2533578-06	50	50		YES	1.00	0.205	1.00	0.21	
SAMP	L2534816-01	50	50		YES	1.00	0.0516	1.00	0.05	
SAMP	L2536247-01	50	50		YES	1.00	0.076	1.00	0.08	
SAMP	L2536247-02	50	50		YES	1.00	0.0447	1.00	0.04	
SAMP	L2536247-03	50	50		YES	1.00	0.133	1.00	0.13	
SAMP	L2536247-04	50	50		YES	1.00	0.0859	1.00	0.09	
SAMP	L2536247-05	50	50		YES	1.00	0.0575	1.00	0.06	
SAMP	L2536247-06	50	50		YES	1.00	0.0364	1.00	0.04	
SAMP	L2536247-07	50	50		YES	1.00	0.0258	1.00	0.03	
SAMP	L2536247-08	50	50		YES	1.00	0.0772	1.00	0.08	
SAMP	L2536247-09	50	50		YES	1.00	0.0476	1.00	0.05	
SAMP	L2536247-10	50	50		YES	1.00	0.0835	1.00	0.08	
SAMP	L2536247-11	50	50		YES	1.00	0.0753	1.00	0.08	
SAMP	L2536247-13	50	50		YES	1.00	0.159	1.00	0.16	
	CCV	50	50		YES	1.00	0.986	1.00	0.99	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.984	1.00	0.98	
	CCB	50	50		YES	1.00	0	1.00	0.00	
LOQ2	WG2079199-5	50	50		YES	1.00	0.0987	1.00	0.10	
BLANK	WG2079199-1	50	50		YES	1.00	0.0136	1.00	0.01	L2500179-07
DUP	WG2079199-3	50	50		YES	1.00	0.0761	1.00	0.08	L2536247-01

	Sample number	sample volume	Distill volume (ml)	Flask	Reagent	Sample Result mg/l	Meter Reading	Spike conc. mg/l	Spike Result mg/l	Recovery %
MS	WG2079199-4	50	50		YES	.08	0.959	1	0.96	88
LCS	WG2079199-2	50	50		YES		1.67	2	1.67	84

last sample

Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06A	**Matrix**	: WATER
Lab Sample ID	: L2536247-01		
Matrix Spike	: WG2079199-4	**MS Analysis Date**	: 06/16/25 05:56
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Fluoride	0.08J	1	0.96	96					69-124	13

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2538013-01		
Matrix Spike	: WG2080697-4	**MS Analysis Date**	: 06/19/25 06:49
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Fluoride	0.04J	1	0.91	91					69-124	13

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2082083-4	**MS Analysis Date**	: 06/23/25 05:53
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Fluoride	0.03J	1	0.99	99					69-124	13

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-06A	**Matrix**	: WATER
Lab Sample ID	: L2536247-01	**Analysis Date**	: 06/16/25 05:56
Dup Sample ID	: WG2079199-3	**DUP Analysis Date**	: 06/16/25 05:56

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.08J	0.08J	NC	13

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: NA	**Analysis Date**	: 06/19/25 06:49
Dup Sample ID	: WG2080697-3	**DUP Analysis Date**	: 06/19/25 06:49

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.04J	0.04J	NC	13

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/23/25 05:53
Dup Sample ID	: WG2082083-3	**DUP Analysis Date**	: 06/23/25 05:53

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.03J	0.03J	NC	13

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2079199-2	**LCS Analysis Date**	: 06/16/25 05:56
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Fluoride	**2.00**	**1.70**	**84.**					**78-120**	**13**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2080697-2	**LCS Analysis Date**	: 06/19/25 06:49
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Fluoride	**2.00**	**1.70**	**86.**					**78-120**	**13**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2082083-2	**LCS Analysis Date**	: 06/23/25 05:53
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Fluoride	**2.00**	**1.70**	**85.**					**78-120**	**13**

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Fluoride	16984-48-8	0.2	0.017	mg/l	78-120		69-124	13	13	4500F-BC	28 days	1 - Plastic 500ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Fluoride	16984-48-8	10	1.04	mg/kg	80-120		70-130	20	20	4500F-BC	28 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

Fluoride, mg/L = (mg F-/L) X (Volume of Distillate, mL)/ Volume of Sample, mL

For solids:

Fluoride, mg/Kg = (mg F-/L) X (Volume of Distillate, mL)/Weight of Sample, gm

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

TITLE PROJECT

Continued from Page

WG2082083

Analyst: DJH
Date & Time: 6/23/25 06:53
ICV:F 06152025-100 ppm
LCS:F 06152025-100 ppm
Spike:F 06152025-100 ppm
Curve:WC- 3575
TISAB III: R- 4367

STD	MV
0.2	128.6
0.5	104.6
1.0	86.4
10.0	27.1

Sample	Volume	Final Vol	Meter
ICV	50mL	50mL	0.968
ICB			0.0
Blank			0.0
LCS			1.70
36247-12			0.0299
-DUP12			0.0284
-MS 12			0.991
-16			0.118
-17			0.107
36930-01			0.151
-02			0.0668
-03			0.0642
CCV			0.964
CCB			0.0
-04	↓		0.0552
37748-01	10x(5mL+50mL)		1.38
38382-01			0.0389
-02			0.0302
-03			0.0355
-04			0.0373
-05			0.0260
-07			0.0239
38805-03			0.0217
-04			0.0264
CCV			~~0.0~~ 0.969
CCB	↓	↓	0.0

Continued from Page

SIGNATURE DATE

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PROPRIETARY INFORMATION

Tube	Sample	Volume	Final Volume Block	Comments
1	Blank	50mL	50mL Phenol #2	DTH 6/23/25 00:41
2	LCS			1.0mL F06152025-100ppm
3	36247-12			
4	-Dup12			
5	-MS 12			0.5mL F06152025-100ppm
6	-16			
7	-17			
8	36930-01			
9	-02			
10	-03			
11	-04		Fluor #1	
12	37748-01	10x(5mL/50mL)		
13	38382-01	50mL		
14	-02			
15	-03			
16	-04			
17	-05			
18	-07			
19	38805-03			
20	-04			

Witnessed & Understood by me,	Date	Invented by:	Date
		Recorded by:	

TITLE PROJECT

Continued from Page

WG2079199

Analyst: DTH
Date & Time: 6/16/25 5:56
ICV:F F061520025-100ppm
LCS:F F061520025-100ppm
Spike:F F061520025-100ppm
Curve:WC- 3575
TISAB III: R- 43167

STD	MV
0.2	128.7
0.5	104.7
1.0	86.5
10.0	27.5

Sample	Volume	Final Volume	Meter
ICV	50mL	50mL	1.00
ICB			0.0
L2500179-07			0.0136
LCS			1.67
LOQ2			0.0987
33578-05			0.303
-06			2.205
34816-01			0.0516
36247-01			0.0760
-Dup01			0.0761
-MS 01			0.959
-02			0.0447
CCV			0.986
CCB			0.0
-03			0.133
-04			0.0859
-05			0.0575
-06			0.0364
-07			0.0258
-08			0.0772
-09			0.0476
-10			0.0435
-11			0.0753
-13			~~0.815~~ 0.159
CCV			0.984
CCB			0.0

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SIGNATURE DATE

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PROPRIETARY INFORMATION

TITLE _____ Project No. _____

Book No. _____ Confid

From Page No. ____

Tube	Sample	Volume	Final Volume	Blank	Comments
1	L250074-07A	50mL	50mL	Phenol #2	6/16/25 01:14
2	LCS				1.0mL F061520025-100 ppm
3	LOQ2				0.05mL F061520025-100 pp
4	33578-05				
5	-06				
6	34816-01				
7	36247-01				
8	-Dup01				
9	-MS 01				0.5mL F061520025-100
10	-02				
11	-03			Fluor #1	
12	-04				
13	-05				
14	-06				
15	-07				
16	-08				
17	-09				
18	-10				
19	-11				
20	-13				

To Page No. _

Witnessed & Understood by me,	Date	Invented by:	Date
		Recorded by:	

TITLE PROJECT

Continued from Page

WG2080697

Analyst: DTH
Date & Time: 6/19/2025 6:49
ICV:F 06152025-100ppm
LCS:F 06152025-100ppm
Spike:F 06152025-700ppm
Curve:WC-3575
TISAB III: R-4367

STD	MV
0.2	128.6
0.5	105.4
1.0	87.3
10.0	28.4

Sample	Volume	Final Volume	Meter
	50mL	50mL	
ICV			1.01
ICB			0.0
Blank			0.0
36247-14			0.111
-15			0.103
-18			0.923
-20			0.106
37655-01			0.0256
-02			0.0382
-03			0.00546
-04			0.0217
-05			0.072
CCV			0.985
CCB			0.0
38013-01			0.0370
-dup01			0.0353
-ms01			0.907
-02			0.0271
-03			0.0259
-04			0.0664
-05			0.0508
-06			0.109
-07			0.0613
LCS			1.71
CCV			0.981
CCB			0.0

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SIGNATURE DATE

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PROPRIETARY INFORMATION

Project No. _____

fidential Book No. _____ TITLE _____

n Page No. ____

Tube	Sample	Volume	Final Volume	Block	Comments
1	Blank	50mL	50mL	Phenol #2	DTH 6/19/25 00:47
2	LCS				1.0mL F06152025-100ppm
3	36247-14				
4	-15				
5	-18				
6	-20				
7	37655-01				
8	-02				
9	-03				
10	-04				
11	-05			Fluor #1	
12	38013-01				
13	-Dup01				
14	-MS01				0.5mL F06152025-100ppm
15	-02				
16	-03				
17	-04				
18	-05				
19	-06				
20	-07				

To Page No. ____

lessed & Understood by me, | Date | Invented by: | Date

Phosphates Analysis

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.061	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:08
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.046	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:09
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.092	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:10
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.058	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:11
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.031	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:12
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.043	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:13
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.031	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:16
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.368	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:17
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.058	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:18
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.120	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.169	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:20
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.037	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:22
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.098	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:23
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.052	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:24
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.040	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.052	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.098	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:28
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.154	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/22/25 16:29
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.068	0.031	0.012	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081039-1	**Date Collected**	: NA
Client ID	: WG2081039-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/22/25 16:04
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	ND	0.031	0.012	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081039-3	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08ADUP	**Date Received**	: 06/10/25
Sample Location	:	**Date Analyzed**	: 06/22/25 16:21
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 121,4500P-E(M)	**Analyst**	: MEF
Lab File ID	: PHOS0602225-WG2081039.csv	**Instrument ID**	: SEAL2
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	: 06/22/25

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
7723-14-0	Phosphate, Total	0.040	0.031	0.012	

Sample Raw Data

AQ2 Tray Report

Software version :	2.4.5
Report requested by :	MFlaherty
Date \ Time :	22-Jun-2025 17:27:32
Tray number :	1
Tray name :	WG2081039

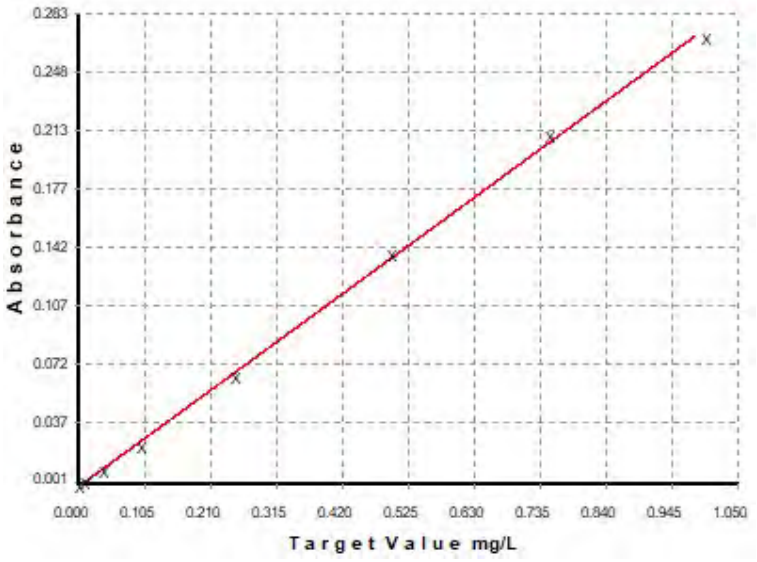
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0013	0.004	0.000	
S90	0.0034	0.012	0.010	16.33
S91	0.0103	0.037	0.040	-8.22
S92	0.0250	0.090	0.100	-9.68
S93	0.0671	0.243	0.250	-2.62
S94	0.1408	0.512	0.500	2.40
S95	0.2118	0.771	0.750	2.75
S96	0.2696	0.981	1.000	-1.87
S0	0.0011	0.003	0.000	

Polynomial Order :	1
Correlation Coefficient :	0.9995
Carryover(%) :	-0.1
Calibration equation:	y = bx + a
y =:	Concentration mg/L
x =:	Measured absorbance
a =:	-8.307912E-04
b =:	3.642798E+00
Date & Time :	22-Jun-2025 16:01:18

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-06222025	MEF	29-Jun-2025 00:00:00
TP Ascorbic	TP Ascorbic-06182025	MEF	25-Jun-2025 00:00:00

Test Results

Cup	Type	ID	Sample Details	Result	Units	QC Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
	S1	Standard 1		0.001			0.001334			MEF	22-Jun-2025 15:53:32
	S90	Standard 90		0.003			0.003421			MEF	22-Jun-2025 15:54:30
	S91	Standard 91		0.010			0.010306			MEF	22-Jun-2025 15:55:28
	S92	Standard 92		0.025			0.025021			MEF	22-Jun-2025 15:56:26
	S93	Standard 93		0.067			0.067057			MEF	22-Jun-2025 15:57:24
	S94	Standard 94		0.141			0.140776			MEF	22-Jun-2025 15:58:23
	S95	Standard 95		0.212			0.211769			MEF	22-Jun-2025 15:59:21
	S96	Standard 96		0.270			0.269603			MEF	22-Jun-2025 16:00:20
	S0	Standard 0		0.001			0.001129			MEF	22-Jun-2025 16:01:18
2	ICV	ICV	22-JUN-2025 15-30	0.500	mg/L		0.137452			MEF	22-Jun-2025 16:02:17
3	ICB	ICB	22-JUN-2025 15-30	0.002	mg/L		0.000816			MEF	22-Jun-2025 16:03:18
4	U1	WG2081039-1O	22-JUN-2025 15-30	0.003ELL	mg/L		0.001031			MEF	22-Jun-2025 16:04:18
5	U2	WG2081039-2O	22-JUN-2025 15-30	0.511	mg/L		0.140620			MEF	22-Jun-2025 16:05:17
6	U3	L2536048-01O10	22-JUN-2025 15-30	35.828	mg/L		0.196936	x5.0000	x10.0000	MEF	22-Jun-2025 16:46:32
6	U3	L2536048-01O10	22-JUN-2025 15-30	23.755	mg/L		0.652345		x10.0000	MEF	22-Jun-2025 16:06:16
7	U4	L2536247-01O	22-JUN-2025 15-30	0.020	mg/L		0.005810			MEF	22-Jun-2025 16:07:15
8	U5	L2536247-02O	22-JUN-2025 15-30	0.015	mg/L		0.004219			MEF	22-Jun-2025 16:08:14
9	U6	L2536247-03O	22-JUN-2025 15-30	0.030	mg/L		0.008489			MEF	22-Jun-2025 16:09:13
10	U7	L2536247-04O	22-JUN-2025 15-30	0.019	mg/L		0.005559			MEF	22-Jun-2025 16:10:12

11	U8	L2536247-05O	22-JUN-2025 15-30	0.010	mg/L	0.002914	MEF	22-Jun-2025 16:11:11
12	U9	L2536247-06O	22-JUN-2025 15-30	0.014	mg/L	0.004010	MEF	22-Jun-2025 16:12:10
13	U10	L2536247-07O	22-JUN-2025 15-30	0.010	mg/L	0.002889	MEF	22-Jun-2025 16:13:09
	CCV	CCV		0.512	mg/L	0.140791	MEF	22-Jun-2025 16:14:07
	CCB	CCB		0.004	mg/L	0.001257	MEF	22-Jun-2025 16:15:08
14	U11	L2536247-08O	22-JUN-2025 15-30	0.120	mg/L	0.033090	MEF	22-Jun-2025 16:16:09
15	U12	L2536247-09O	22-JUN-2025 15-30	0.019	mg/L	0.005480	MEF	22-Jun-2025 16:17:08
16	U13	L2536247-10O	22-JUN-2025 15-30	0.039	mg/L	0.010990	MEF	22-Jun-2025 16:18:06
17	U14	L2536247-11O	22-JUN-2025 15-30	0.055	mg/L	0.015318	MEF	22-Jun-2025 16:19:04
18	U15	L2536247-12O	22-JUN-2025 15-30	0.012	mg/L	0.003584	MEF	22-Jun-2025 16:20:02
19	U16	WG2081039-3O	22-JUN-2025 15-30	0.013	mg/L	0.003703	MEF	22-Jun-2025 16:21:03
20	U17	WG2081039-4O	22-JUN-2025 15-30	0.542	mg/L	0.149082	MEF	22-Jun-2025 16:22:04
21	U18	L2536247-13O	22-JUN-2025 15-30	0.032	mg/L	0.009107	MEF	22-Jun-2025 16:22:36
22	U19	L2536247-14O	22-JUN-2025 15-30	0.017	mg/L	0.004932	MEF	22-Jun-2025 16:23:34
23	U20	L2536247-15O	22-JUN-2025 15-30	0.013	mg/L	0.003749	MEF	22-Jun-2025 16:24:25
	CCV	CCV		0.509	mg/L	0.139863	MEF	22-Jun-2025 16:25:16
	CCB	CCB		0.003	mg/L	0.001111	MEF	22-Jun-2025 16:26:08
24	U21	L2536247-16O	22-JUN-2025 15-30	0.017	mg/L	0.004964	MEF	22-Jun-2025 16:26:59
25	U22	L2536247-17O	22-JUN-2025 15-30	0.032	mg/L	0.008948	MEF	22-Jun-2025 16:27:51
26	U23	L2536247-18O	22-JUN-2025 15-30	0.050	mg/L	0.014038	MEF	22-Jun-2025 16:28:42
27	U24	L2536247-20O	22-JUN-2025 15-30	0.022	mg/L	0.006278	MEF	22-Jun-2025 16:29:33
	CCV	CCV		0.511	mg/L	0.140585	MEF	22-Jun-2025 16:30:24
	CCB	CCB		0.004	mg/L	0.001242	MEF	22-Jun-2025 16:31:16
	CCV	CCV		0.518	mg/L	0.142338	MEF	22-Jun-2025 16:44:49
	CCB	CCB		0.004	mg/L	0.001276	MEF	22-Jun-2025 16:45:41
	CCV	CCV		0.521	mg/L	0.143346	MEF	22-Jun-2025 16:47:23
	CCB	CCB		0.005	mg/L	0.001586	MEF	22-Jun-2025 16:48:15

Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2081039-4	**MS Analysis Date**	: 06/22/25 16:22
Matrix Spike Dup	:	**MSD Analysis Date**	:

		Matrix Spike Sample			Matrix Spike Duplicate					
Parameter	Sample Conc. (mg/l)	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R	RPD	Recovery Limits	RPD Limit
Phosphate, Total	0.037	1.53	1.66	106					80-120	15

Form 6
Lab Duplicates

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12	**Analysis Date**	: 06/22/25 16:20
Dup Sample ID	: WG2081039-3	**DUP Analysis Date**	: 06/22/25 16:21

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.037	0.040	8	15

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2081039-2	**LCS Analysis Date**	: 06/22/25 16:05
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Phosphate, Total	**1.53**	**1.57**	**103.**					**84-118**	**15**

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Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Total	7723-14-0	0.01	0.004	mg/l	80-120		75-125	20	20	4500P-E	28 days	1 - Plastic 500ml H2SO4 preserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

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File: PM11468-1
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WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Total	7723-14-0	5	1.67	mg/kg	52-148	20	75-125	20	20	4500P-E	28 days	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

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Created By: Jason Hebert
File: PM11467-1
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WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Orthophosphate	7723-14-0	0.005	0.001	mg/l	90-110		80-120	20	20	4500P-E	48 hours	1 - Plastic 500ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

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Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Phosphorus, Orthophosphate	7723-14-0	0.05	0.05	mg/kg						4500P-E	48 hours	1 - Glass 250ml/8oz unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segmant flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Wet Chemistry
By
IC Methods

Results

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-01	**Date Collected**	: 06/10/25 12:59
Client ID	: MW-06A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 17:26
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.068	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-02	**Date Collected**	: 06/10/25 12:50
Client ID	: MW-06B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 17:38
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.670	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-03	**Date Collected**	: 06/10/25 11:53
Client ID	: MW-07A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 17:50
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.076	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-04	**Date Collected**	: 06/10/25 12:00
Client ID	: MW-07B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 18:02
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.834	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-05	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 18:14
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.070	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-06	**Date Collected**	: 06/10/25 10:00
Client ID	: MW-10A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 18:27
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.108	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-07	**Date Collected**	: 06/10/25 09:10
Client ID	: MW-09A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 18:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.063	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-08	**Date Collected**	: 06/10/25 09:15
Client ID	: MW-09B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 18:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.054	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-09	**Date Collected**	: 06/09/25 15:02
Client ID	: MW-05B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 19:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.059	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-10	**Date Collected**	: 06/09/25 15:05
Client ID	: MW-05A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 19:51
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.070	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-11	**Date Collected**	: 06/09/25 14:20
Client ID	: MW-08B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 20:03
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.055	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-12	**Date Collected**	: 06/09/25 13:25
Client ID	: MW-08A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 20:39
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.108	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-13	**Date Collected**	: 06/09/25 12:00
Client ID	: MW-02A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/21/25 20:52
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.065	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-14	**Date Collected**	: 06/09/25 11:45
Client ID	: MW-02B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 21:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.070	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-15	**Date Collected**	: 06/09/25 10:55
Client ID	: MW-03B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 21:31
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.080	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-16	**Date Collected**	: 06/09/25 10:48
Client ID	: MW-03A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 21:43
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.070	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-17	**Date Collected**	: 06/09/25 09:28
Client ID	: MW-04A	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 21:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.068	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-18	**Date Collected**	: 06/09/25 09:30
Client ID	: MW-04B	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 22:07
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.071	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: L2536247-20	**Date Collected**	: 06/09/25 00:00
Client ID	: DUP001	**Date Received**	: 06/10/25
Sample Location	: 104 ROCKY POINT RD, MIDDLE ISLAND NY	**Date Analyzed**	: 06/23/25 22:19
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	0.070	0.050	0.013	

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081860-1	**Date Collected**	: NA
Client ID	: WG2081860-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/21/25 10:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081777-860-862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081861-1	**Date Collected**	: NA
Client ID	: WG2081861-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/23/25 17:05
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081861	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Lab ID	: WG2081862-1	**Date Collected**	: NA
Client ID	: WG2081862-1BLANK	**Date Received**	: NA
Sample Location	:	**Date Analyzed**	: 06/21/25 10:55
Sample Matrix	: WATER	**Dilution Factor**	: 1
Analytical Method	: 44,300.0	**Analyst**	: CVN,
Lab File ID	: WG2081862	**Instrument ID**	: IC3
Sample Amount	:	**%Solids**	: N/A
Digestion Method	:	**Date Digested**	:

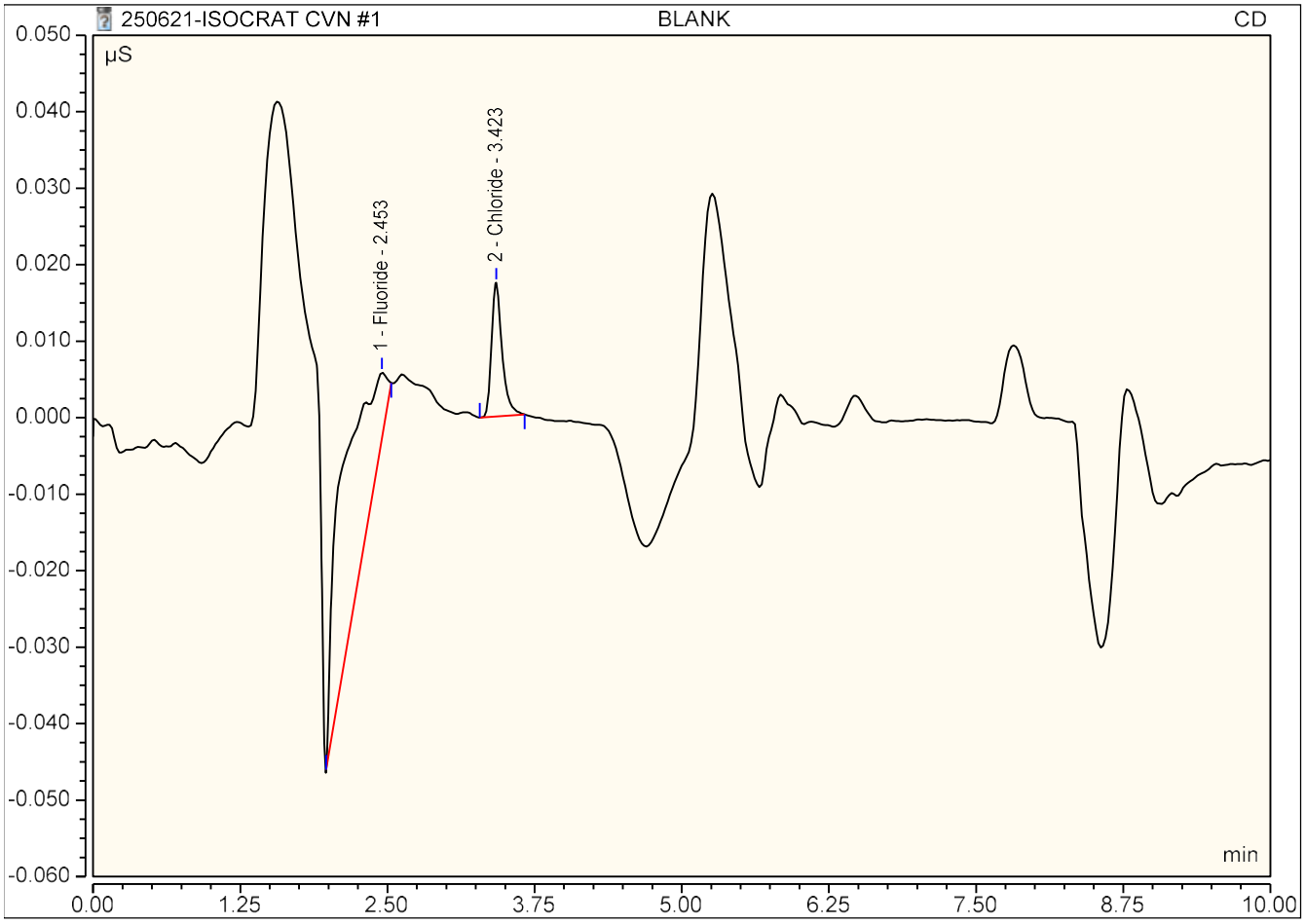
		mg/l			
CAS NO.	**Parameter**	**Results**	**RL**	**MDL**	**Qualifier**
24959-67-9	Bromide	ND	0.050	0.013	U

Sample Raw Data

Peak Integration Report

Sample Name:	**BLANK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 19:51**	*Run Time:*	**10.00**

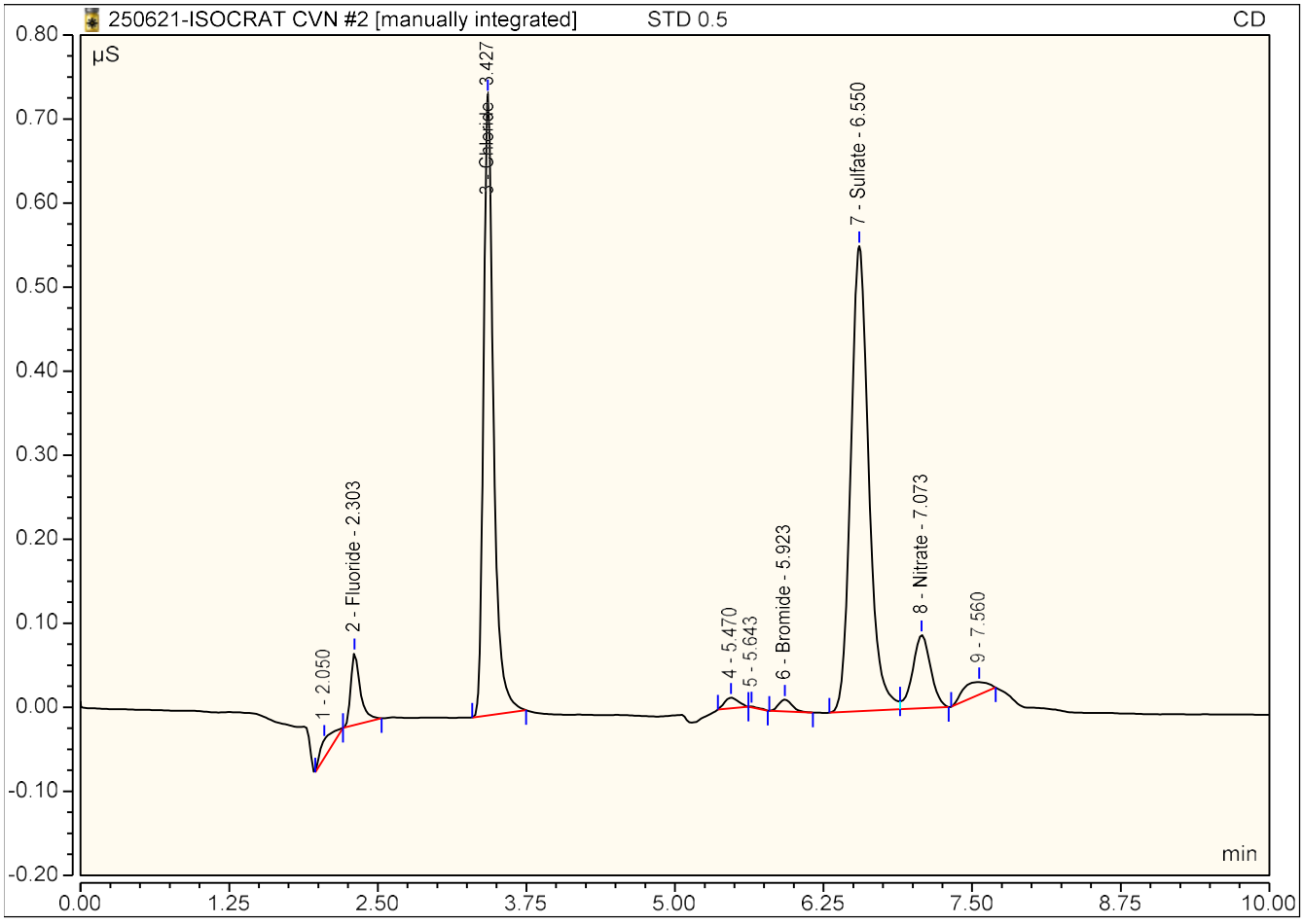
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.45	**Fluoride**	BMB	0.009	0.009	0.0440
2	3.42	**Chloride**	BMB	0.002	0.017	0.1000
TOTAL:				0.01	0.03	0.14



Peak Integration Report

Sample Name:	**STD 0.5**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:04**	*Run Time:*	**10.00**

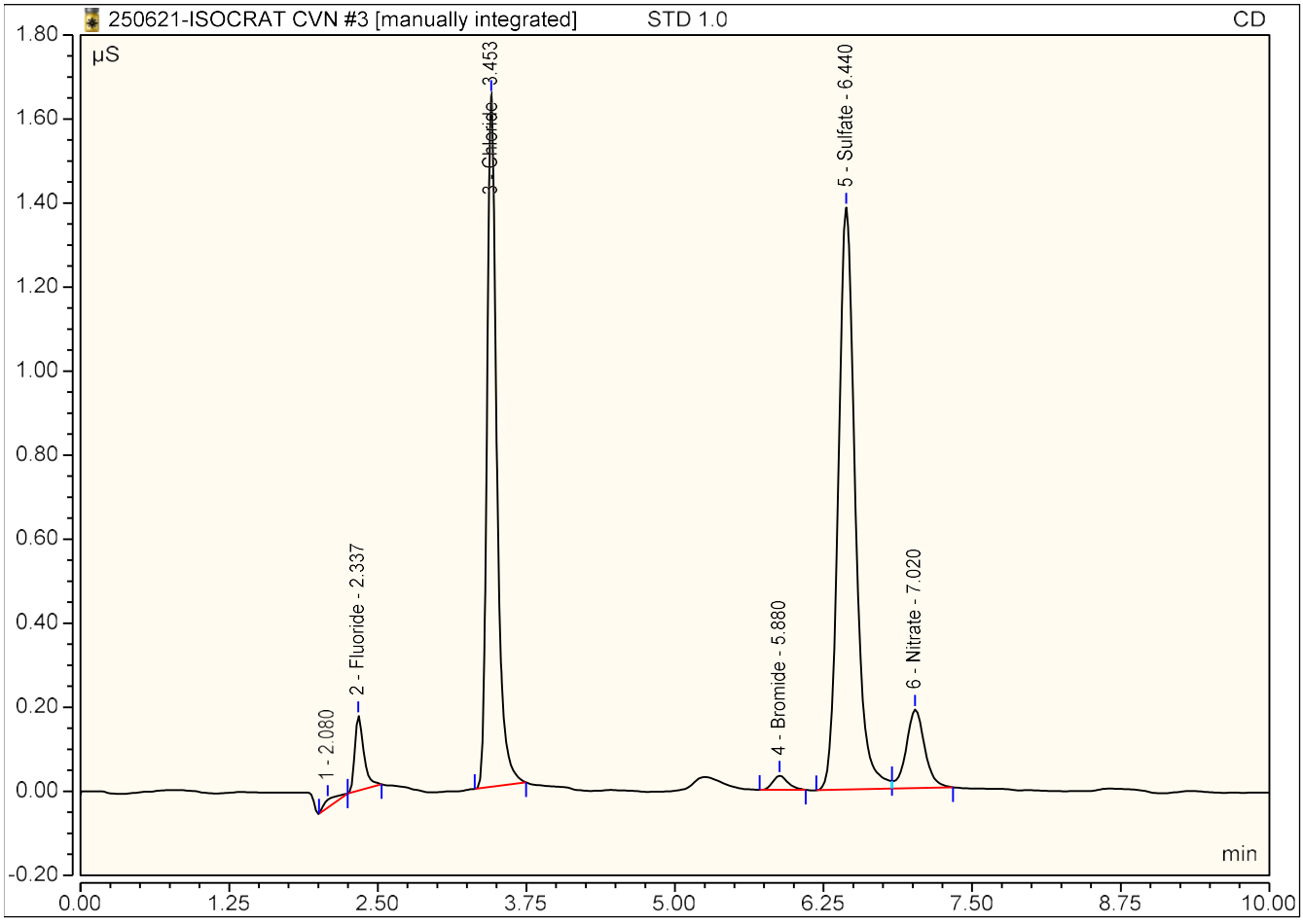
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.008	0.086	0.0418
3	3.43	**Chloride**	BMB	0.072	0.739	0.2829
6	5.92	**Bromide**	BMB	0.002	0.014	0.0511
7	6.55	**Sulfate**	BM *	0.097	0.553	1.0180
8	7.07	**Nitrate**	MB*	0.015	0.087	0.0429
TOTAL:				0.19	1.48	1.44



Peak Integration Report

Sample Name:	**STD 1.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:16**	*Run Time:*	**10.00**

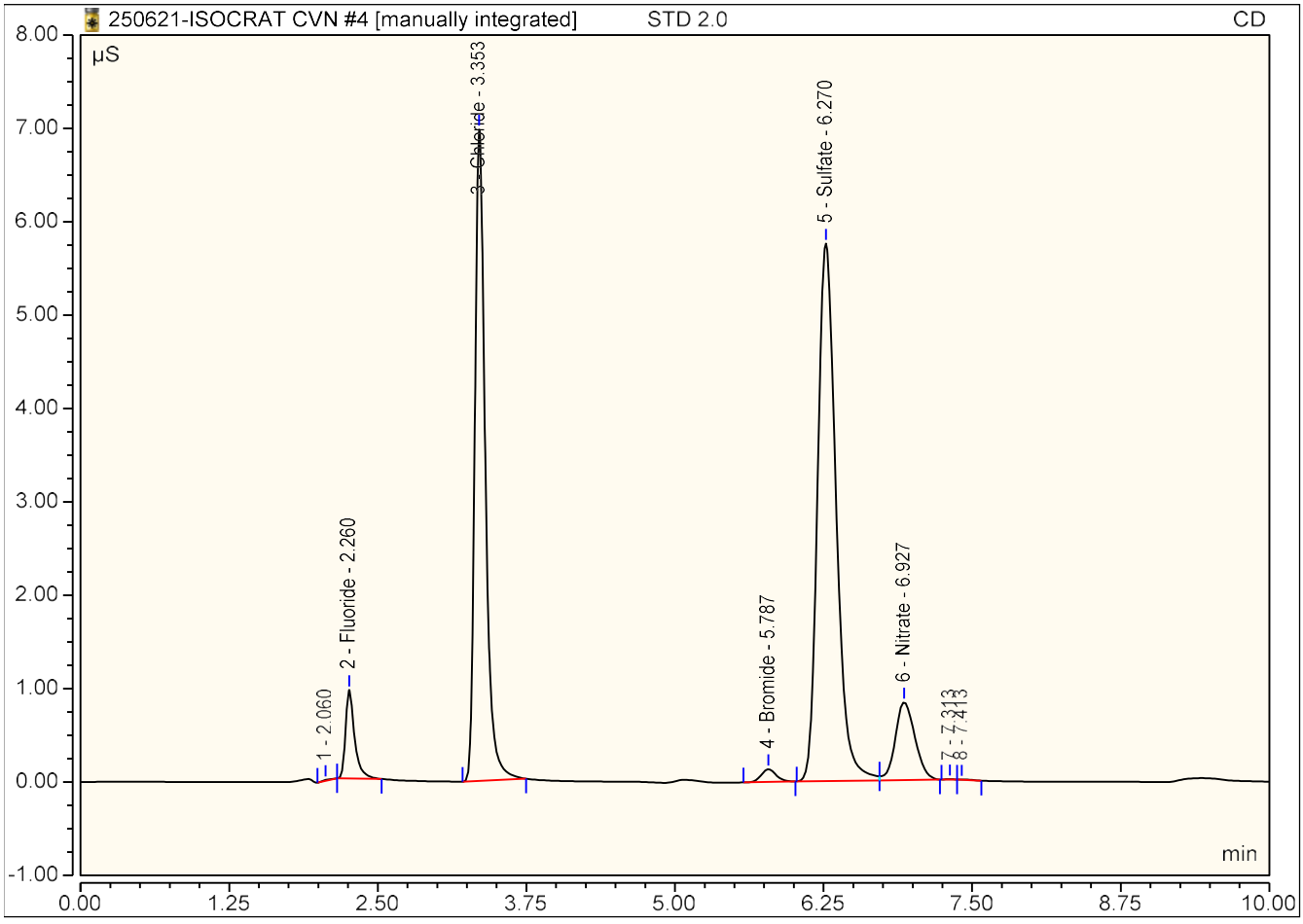
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.016	0.178	0.0555
3	3.45	**Chloride**	BMB	0.158	1.647	0.5048
4	5.88	**Bromide**	BMB	0.005	0.034	0.0744
5	6.44	**Sulfate**	BM *	0.230	1.385	1.4554
6	7.02	**Nitrate**	MB*	0.034	0.187	0.0622
TOTAL:				0.44	3.43	2.15



Peak Integration Report

Sample Name:	**STD 2.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:28**	*Run Time:*	**10.00**

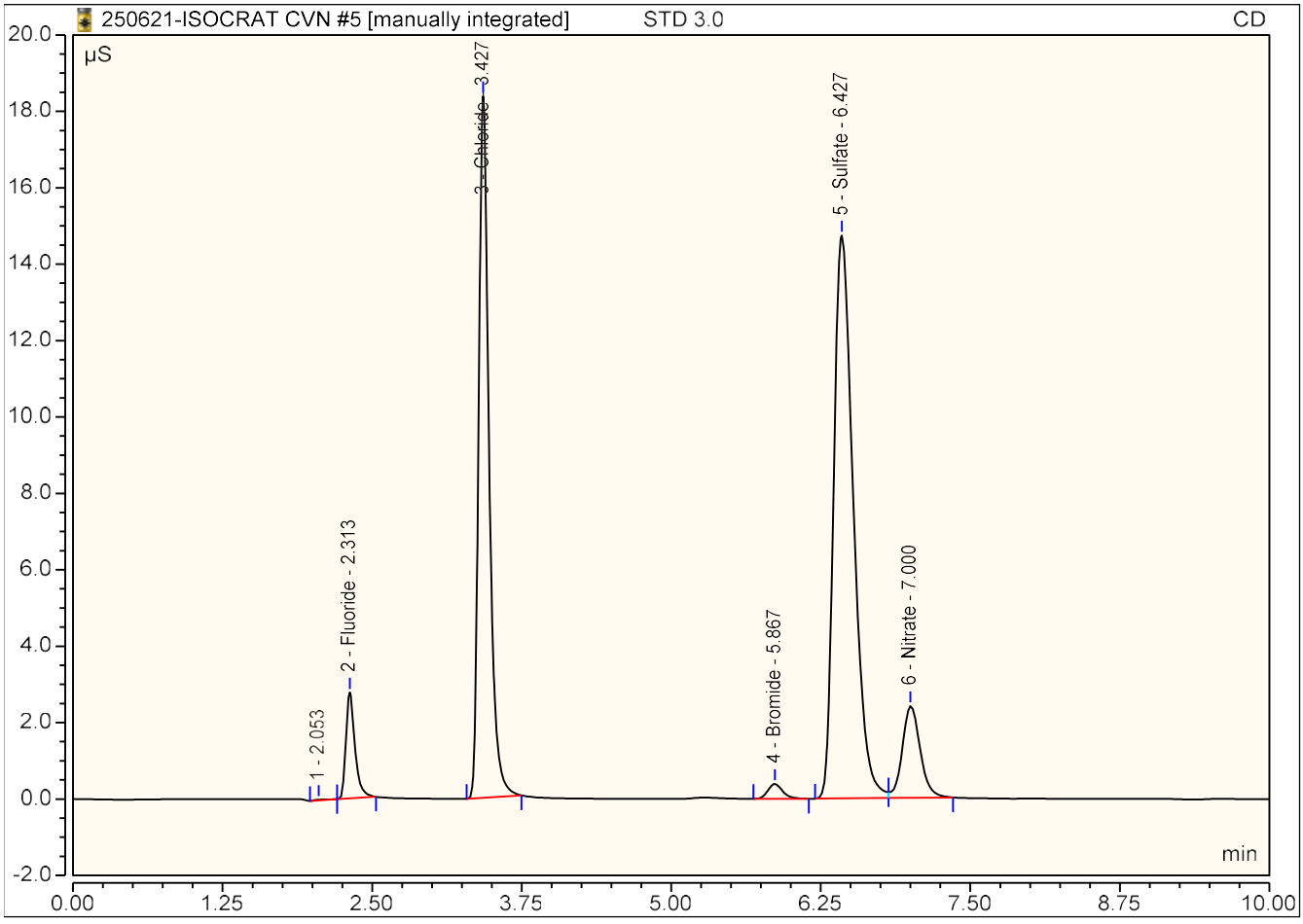
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.26	**Fluoride**	BMB	0.083	0.947	0.1773
3	3.35	**Chloride**	BMB	0.708	6.976	1.9278
4	5.79	**Bromide**	BMB	0.020	0.138	0.1845
5	6.27	**Sulfate**	BM *	1.036	5.755	4.1152
6	6.93	**Nitrate**	MB*	0.160	0.832	0.1949
TOTAL:				2.01	14.65	6.60



Peak Integration Report

Sample Name:	**STD 3.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:40**	*Run Time:*	**10.00**

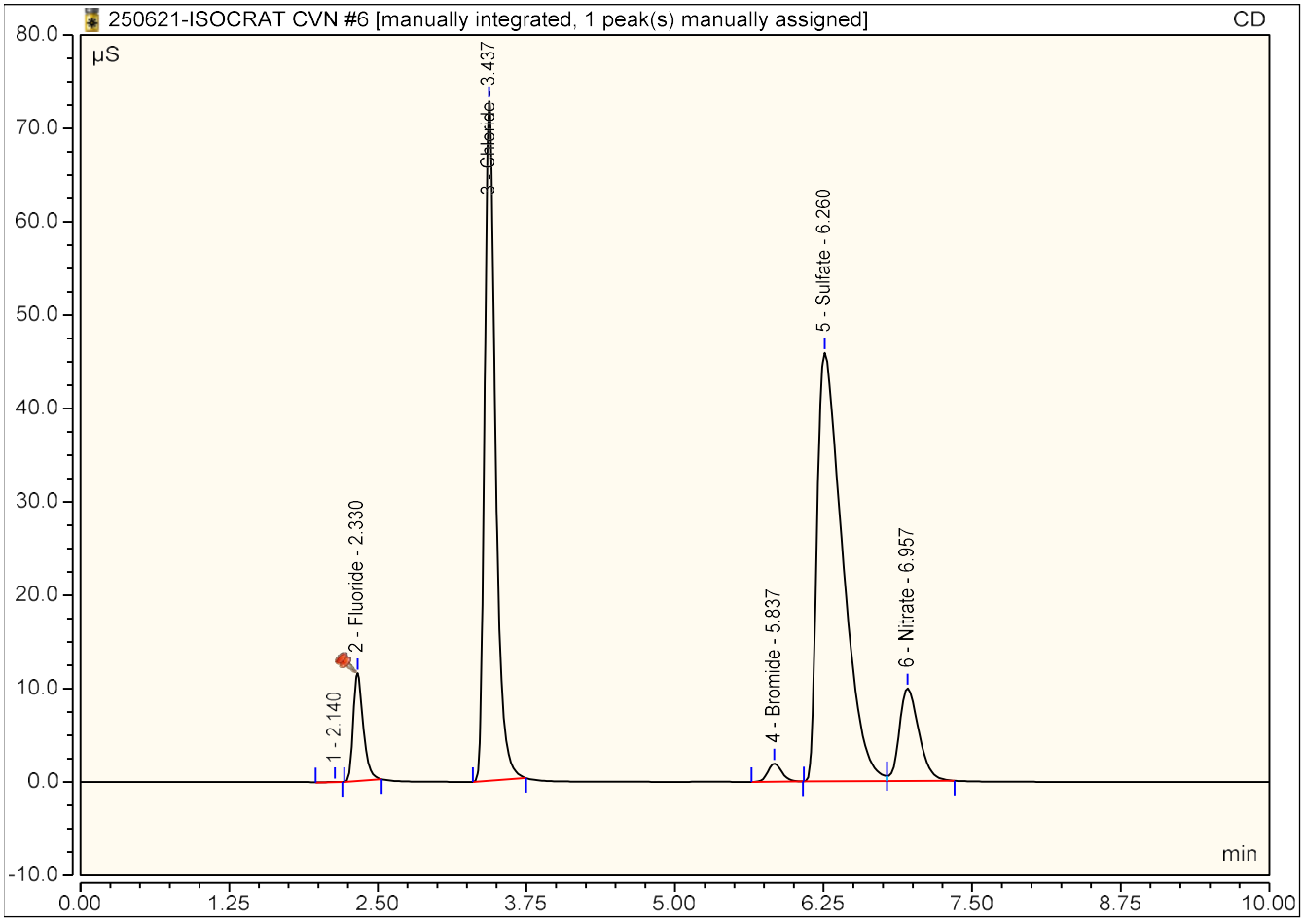
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.240	2.772	0.4593
3	3.43	**Chloride**	BMB	1.847	18.371	4.8782
4	5.87	**Bromide**	BMB	0.056	0.390	0.4524
5	6.43	**Sulfate**	BM *	2.792	14.733	9.9062
6	7.00	**Nitrate**	MB*	0.419	2.404	0.4665
TOTAL:				5.35	38.67	16.16



Peak Integration Report

Sample Name:	**STD 4.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:52**	*Run Time:*	**10.00**

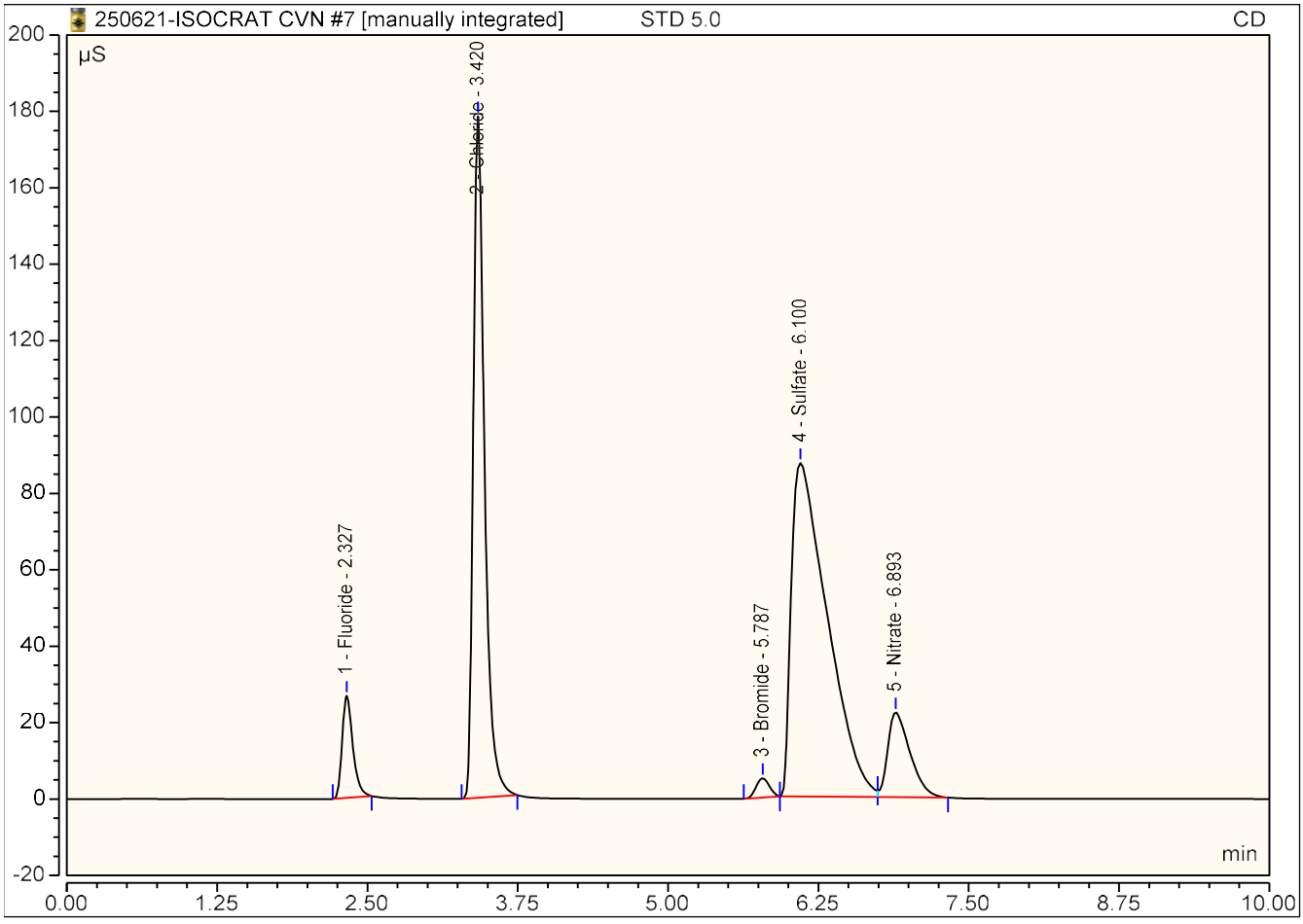
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB^	1.128	11.556	2.0605
3	3.44	**Chloride**	BMB	7.777	72.796	20.2356
4	5.84	**Bromide**	BMB	0.266	1.950	2.0125
5	6.26	**Sulfate**	BM *	11.417	45.897	38.3461
6	6.96	**Nitrate**	MB*	1.886	9.931	2.0083
TOTAL:				22.47	142.13	64.66



Peak Integration Report

Sample Name:	**STD 5.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 21:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	2.748	26.716	4.9806
2	3.42	**Chloride**	BMB	19.240	178.379	49.9206
3	5.79	**Bromide**	BMb*	0.653	5.098	4.8837
4	6.10	**Sulfate**	bM *	30.313	87.355	100.6592
5	6.89	**Nitrate**	MB*	4.778	22.200	5.0460
TOTAL:				57.73	319.75	165.49



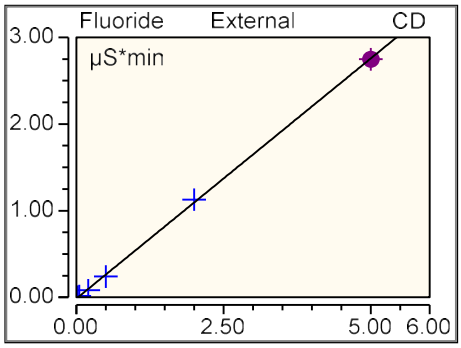
Calibration Batch Report

Sequence:	**250621-ISOCRAT CVN**	*Injection Volume:*	**25.00**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 21:04**	*Run Time:*	**10**

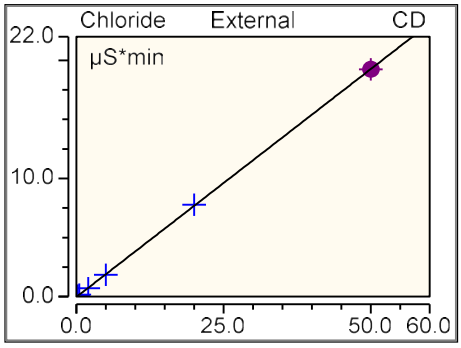
Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffse	6.000	-0.015	0.555	0.000	99.9661
Chloride	Area	in, WithOffse	6.000	-0.037	0.386	0.000	99.9957
Bromide	Area	in, WithOffse	5.000	-0.005	0.135	0.000	99.8572
Sulfate	Area	in, WithOffse	6.000	-0.212	0.303	0.000	99.9523
Nitrate	Area	in, WithOffse	5.000	-0.026	0.952	0.000	99.9388
		AVERAGE:		-0.0588	0.4662	0.0000	99.9420

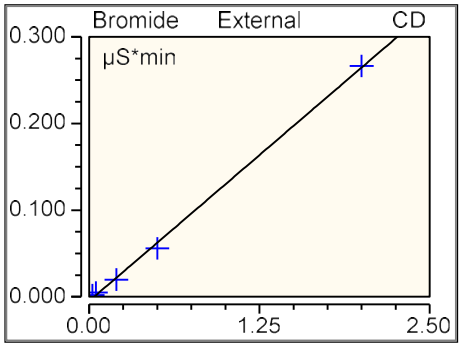
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Fluoride	Fluoride	Fluoride	Fluoride
STD 0.5	2.303	0.0080	0.086	0.042
STD 1.0	2.337	0.0156	0.178	0.055
STD 2.0	2.260	0.0832	0.947	0.177
STD 3.0	2.313	0.2396	2.772	0.459
STD 4.0	2.330	1.1278	11.556	2.061
STD 5.0	2.327	2.7476	26.716	4.981
Average	2.312			
Rel. Std. Dev.	1.212 %			



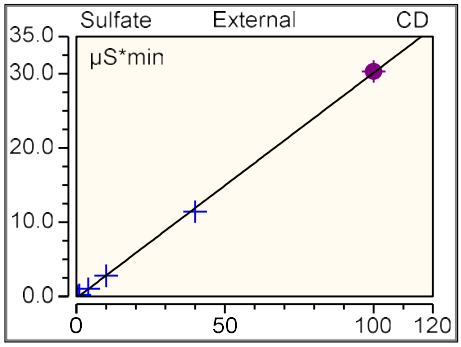
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Chloride	Chloride	Chloride	Chloride
STD 0.5	3.427	0.0724	0.739	0.283
STD 1.0	3.453	0.1581	1.647	0.505
STD 2.0	3.353	0.7076	6.976	1.928
STD 3.0	3.427	1.8469	18.371	4.878
STD 4.0	3.437	7.7770	72.796	20.236
STD 5.0	3.420	19.2396	178.379	49.921
Average	3.419			
Rel. Std. Dev.	1.006 %			



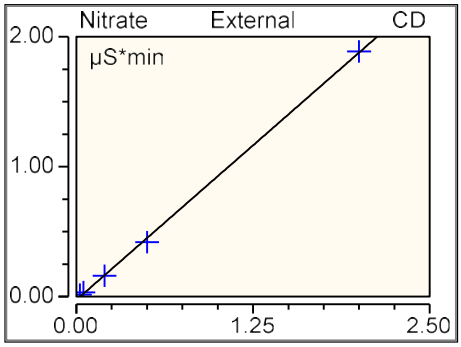
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Bromide	Bromide	Bromide	Bromide
STD 0.5	5.923	0.0019	0.014	0.051
STD 1.0	5.880	0.0050	0.034	0.074
STD 2.0	5.787	0.0199	0.138	0.185
STD 3.0	5.867	0.0560	0.390	0.452
STD 4.0	5.837	0.2663	1.950	2.013
STD 5.0	5.787	0.6535	5.098	4.884
Average	5.847			
Rel. Std. Dev.	0.927 %			



Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Sulfate	Sulfate	Sulfate	Sulfate
STD 0.5	6.550	0.0971	0.553	1.018
STD 1.0	6.440	0.2297	1.385	1.455
STD 2.0	6.270	1.0363	5.755	4.115
STD 3.0	6.427	2.7924	14.733	9.906
STD 4.0	6.260	11.4169	45.897	38.346
STD 5.0	6.100	30.3133	87.355	100.659
Average	6.341			
Rel. Std. Dev.	2.548 %			



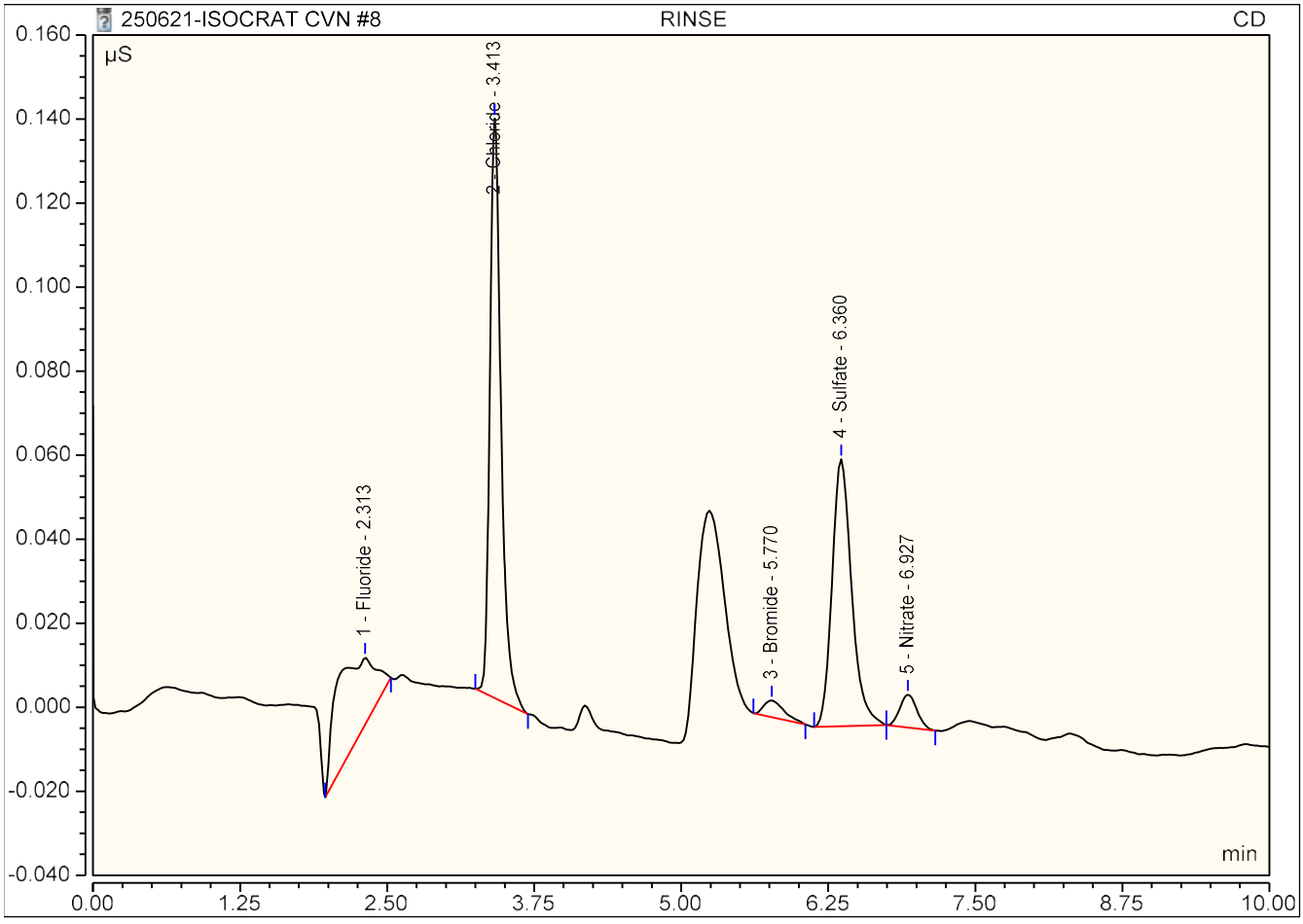
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Nitrate	Nitrate	Nitrate	Nitrate
STD 0.5	7.073	0.0153	0.087	0.043
STD 1.0	7.020	0.0337	0.187	0.062
STD 2.0	6.927	0.1600	0.832	0.195
STD 3.0	7.000	0.4186	2.404	0.467
STD 4.0	6.957	1.8863	9.931	2.008
STD 5.0	6.893	4.7780	22.200	5.046
Average	6.978			
Rel. Std. Dev.	0.942 %			



Peak Integration Report

Sample Name:	**RINSE**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 09:55**	*Run Time:*	**10.00**

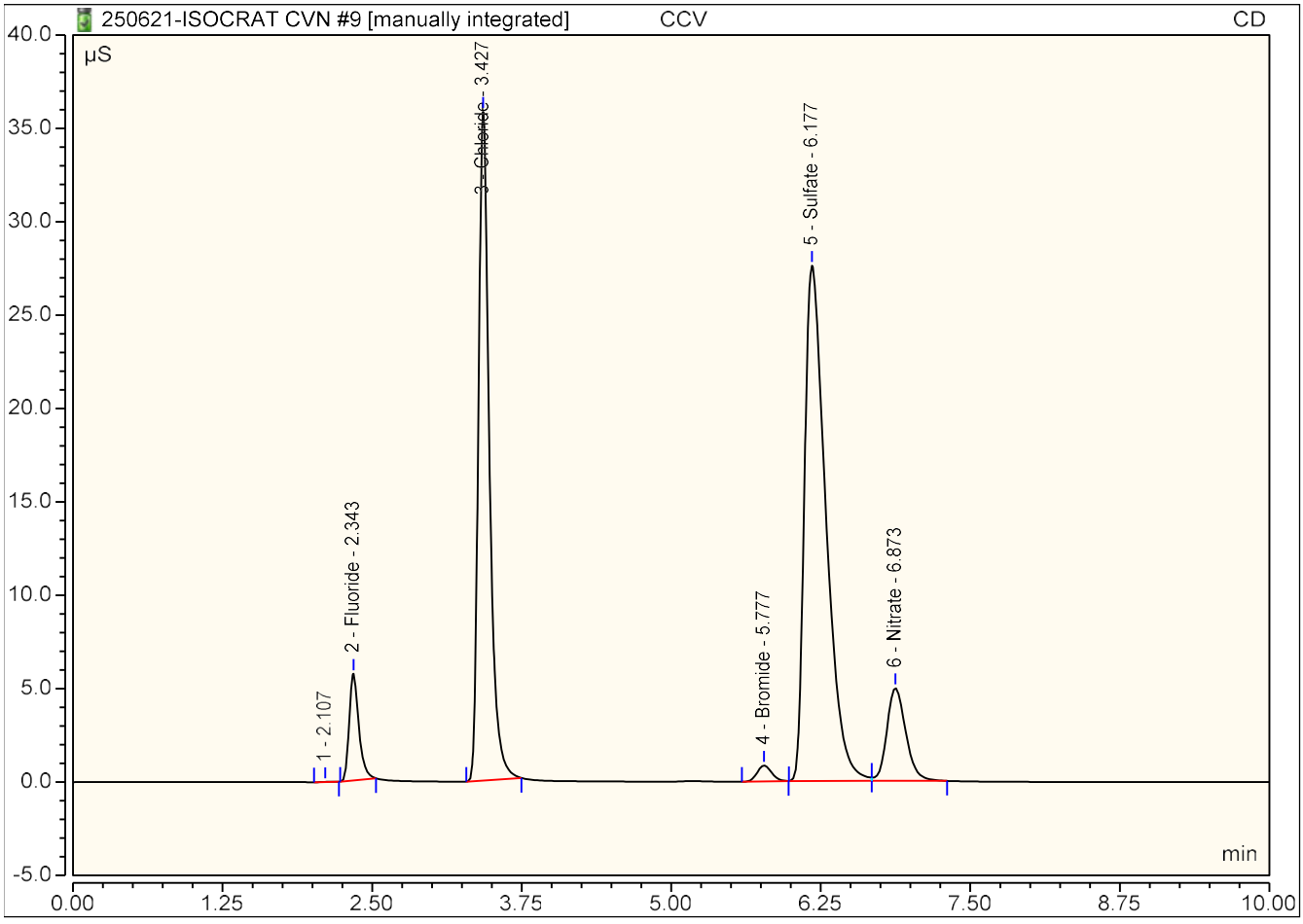
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.008	0.016	0.0410
2	3.41	**Chloride**	BMB	0.015	0.138	0.1345
3	5.77	**Bromide**	BMB	0.001	0.004	0.0433
4	6.36	**Sulfate**	BMB	0.012	0.064	0.7382
5	6.93	**Nitrate**	BMB	0.001	0.008	0.0282
TOTAL:				0.04	0.23	0.99



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:07**	*Run Time:*	**10.00**

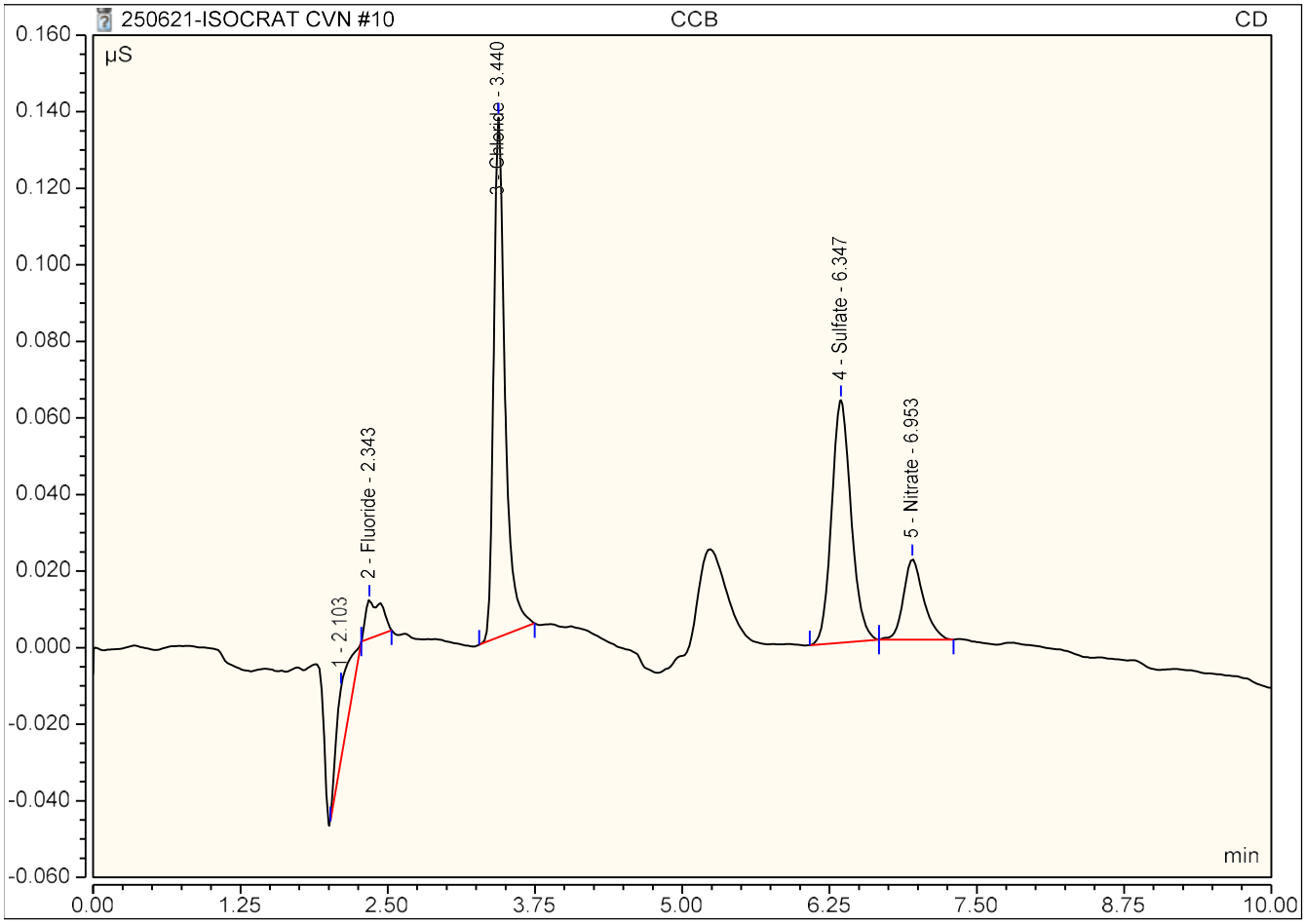
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.533	5.709	0.9889
3	3.43	**Chloride**	BMB	3.799	35.809	9.9349
4	5.78	**Bromide**	BMB	0.119	0.854	0.9210
5	6.18	**Sulfate**	BM *	5.724	27.585	19.5719
6	6.87	**Nitrate**	MB*	0.914	4.976	0.9870
TOTAL:				11.09	74.93	32.40



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:19**	*Run Time:*	**10.00**

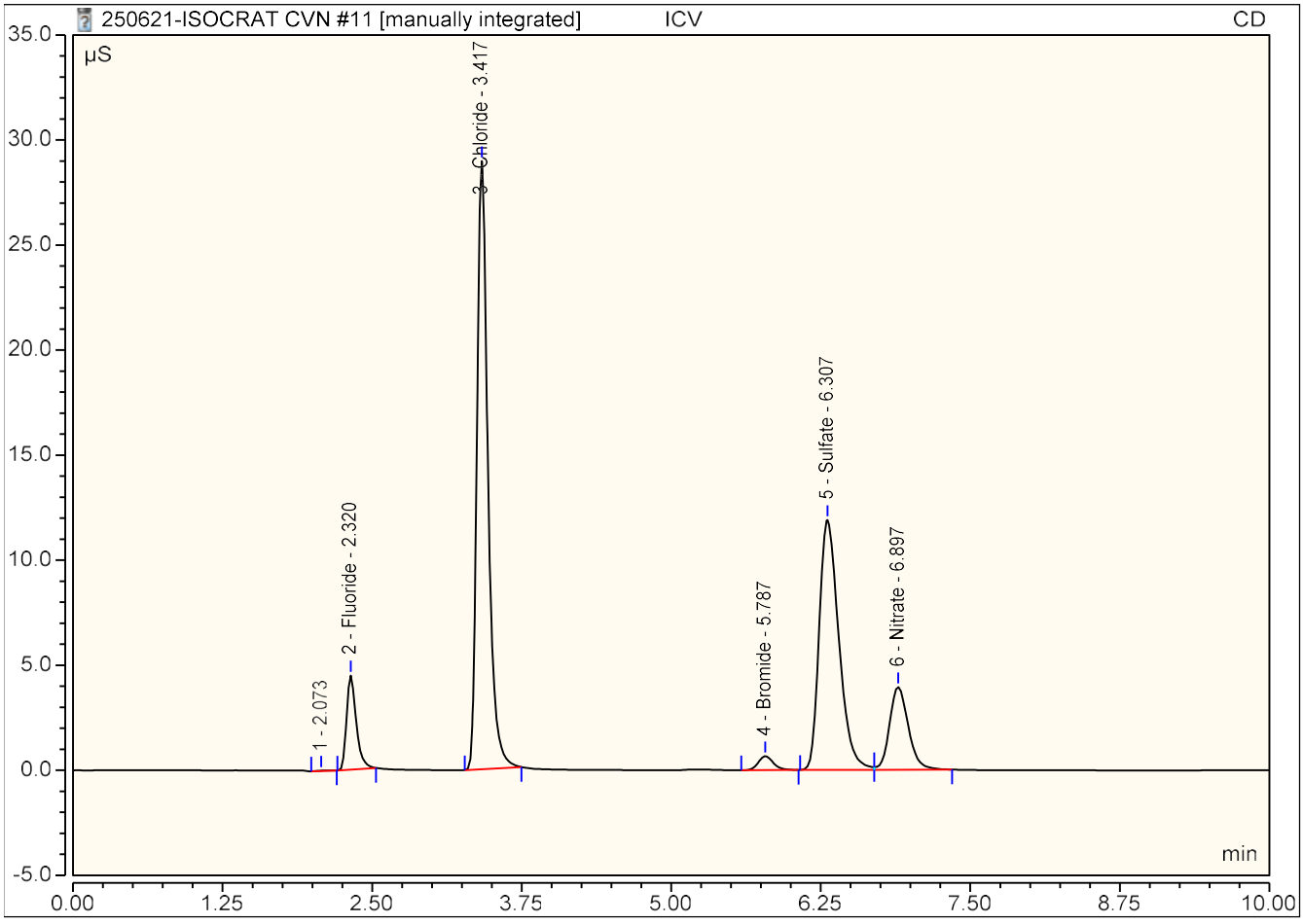
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.002	0.010	0.0301
3	3.44	**Chloride**	BMB	0.015	0.136	0.1345
4	6.35	**Sulfate**	BMB	0.012	0.063	0.7379
5	6.95	**Nitrate**	BMB	0.004	0.021	0.0312
TOTAL:				0.03	0.23	0.93



Peak Integration Report

Sample Name:	**ICV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:31**	*Run Time:*	**10.00**

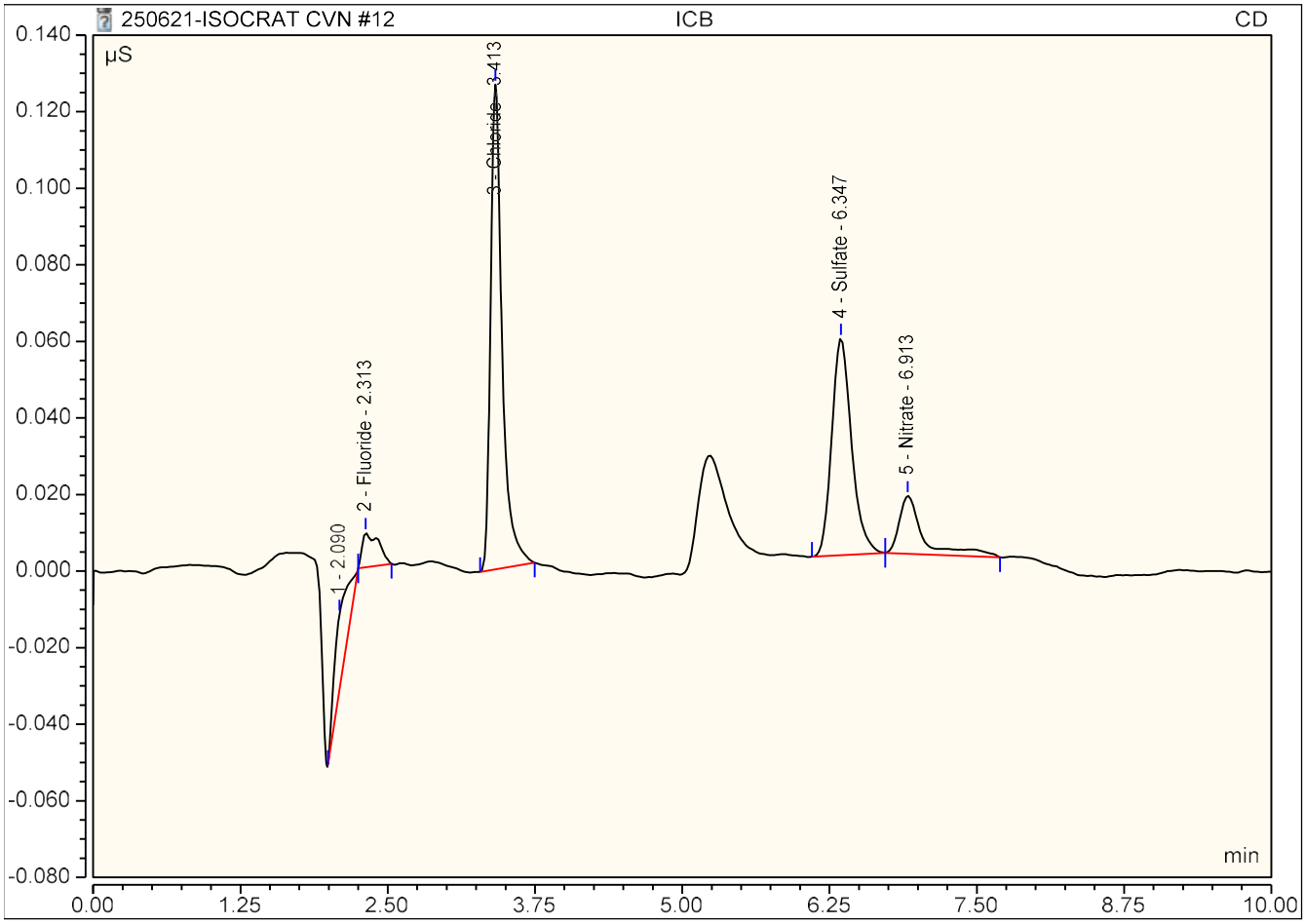
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.417	4.480	0.7783
3	3.42	**Chloride**	BMB	3.082	28.941	8.0780
4	5.79	**Bromide**	BMB	0.097	0.669	0.7594
5	6.31	**Sulfate**	BM *	2.257	11.893	8.1405
6	6.90	**Nitrate**	MB*	0.718	3.937	0.7808
TOTAL:				6.57	49.92	18.54



Peak Integration Report

Sample Name:	**ICB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:43**	*Run Time:*	**10.00**

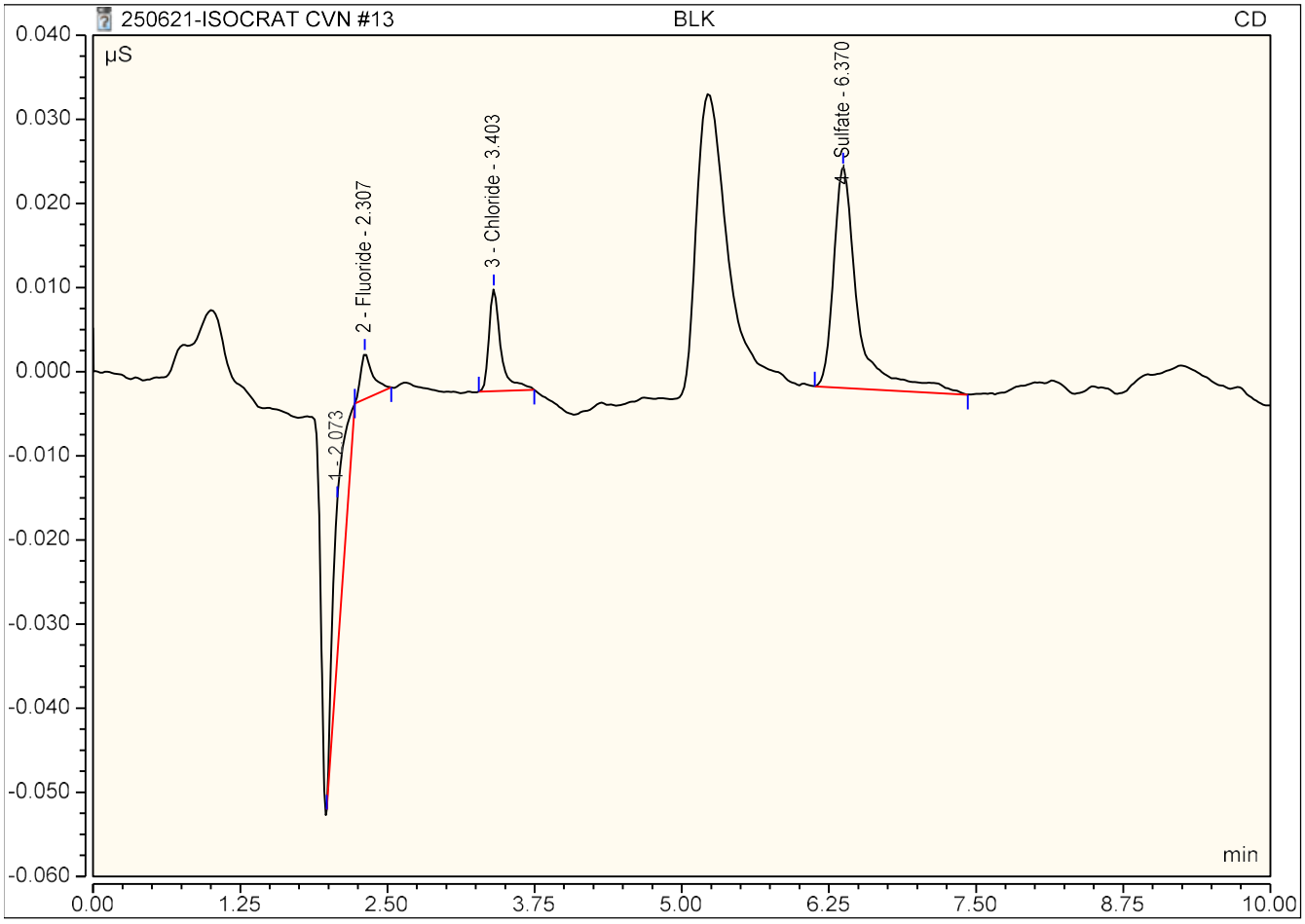
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.009	0.0299
3	3.41	**Chloride**	BMB	0.014	0.127	0.1323
4	6.35	**Sulfate**	BMB	0.011	0.057	0.7341
5	6.91	**Nitrate**	BMB	0.004	0.015	0.0306
TOTAL:				0.03	0.21	0.93



Peak Integration Report

Sample Name:	**BLK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:55**	*Run Time:*	**10.00**

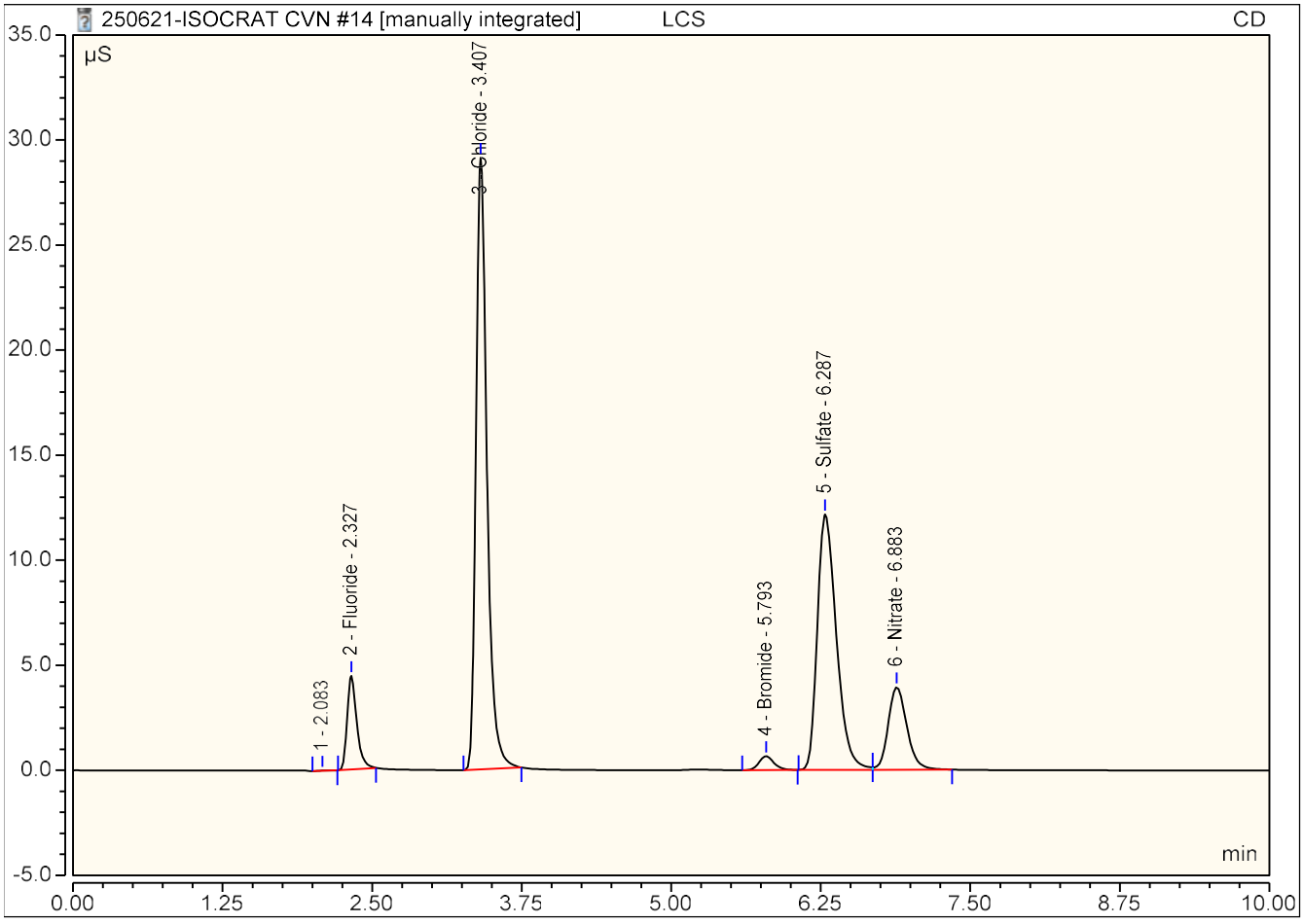
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.005	0.0284
3	3.40	**Chloride**	BMB	0.001	0.012	0.0990
4	6.37	**Sulfate**	BMB	0.006	0.026	0.7184
TOTAL:				0.01	0.04	0.85



Peak Integration Report

Sample Name:	**LCS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:07**	*Run Time:*	**10.00**

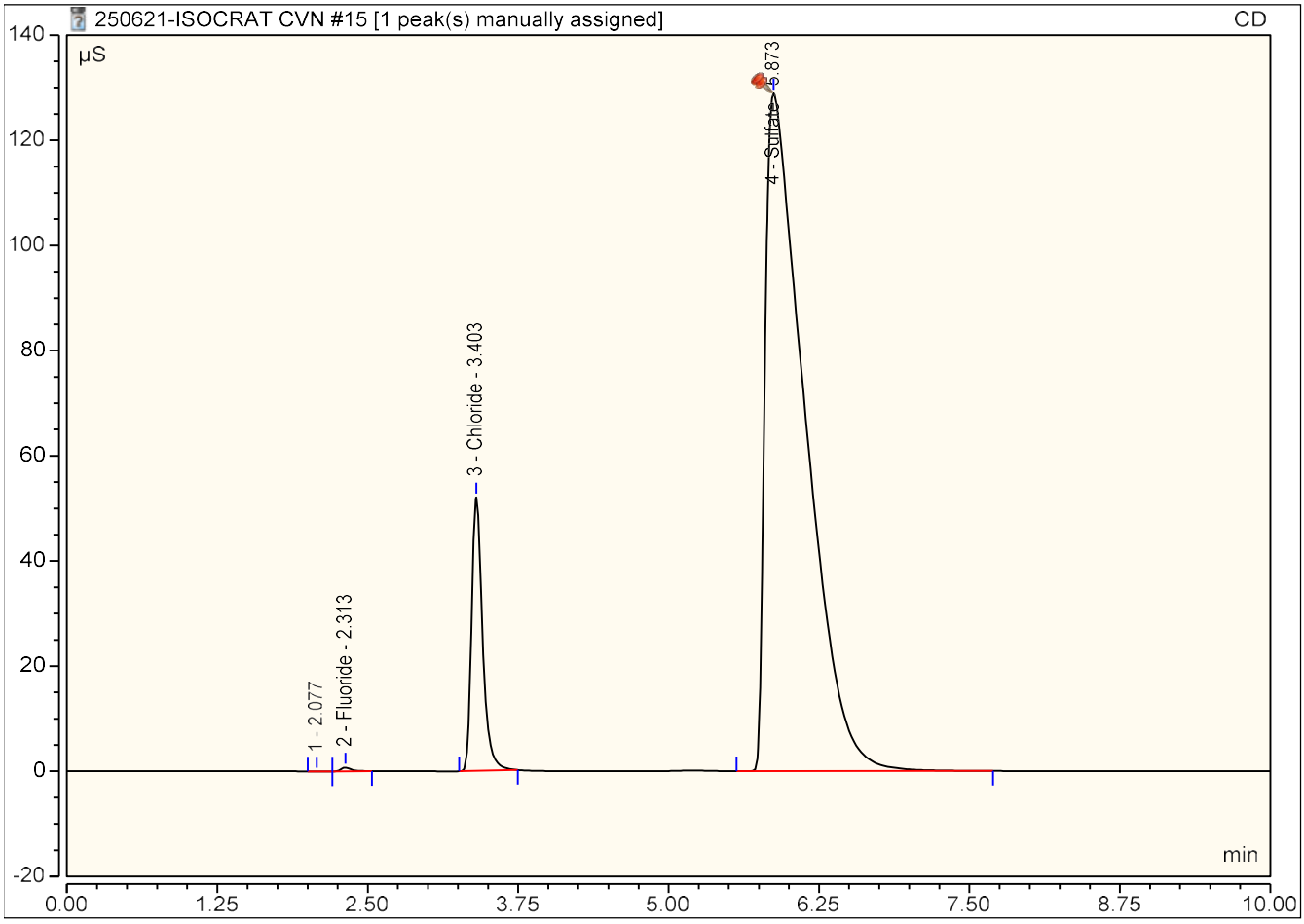
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.411	4.452	0.7688
3	3.41	**Chloride**	BMB	3.096	29.114	8.1129
4	5.79	**Bromide**	BMB	0.096	0.668	0.7501
5	6.29	**Sulfate**	BM *	2.239	12.165	8.0817
6	6.88	**Nitrate**	MB*	0.713	3.930	0.7756
TOTAL:				6.56	50.33	18.49



Peak Integration Report

Sample Name:	**L2536930-01 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:20**	*Run Time:*	**10.00**

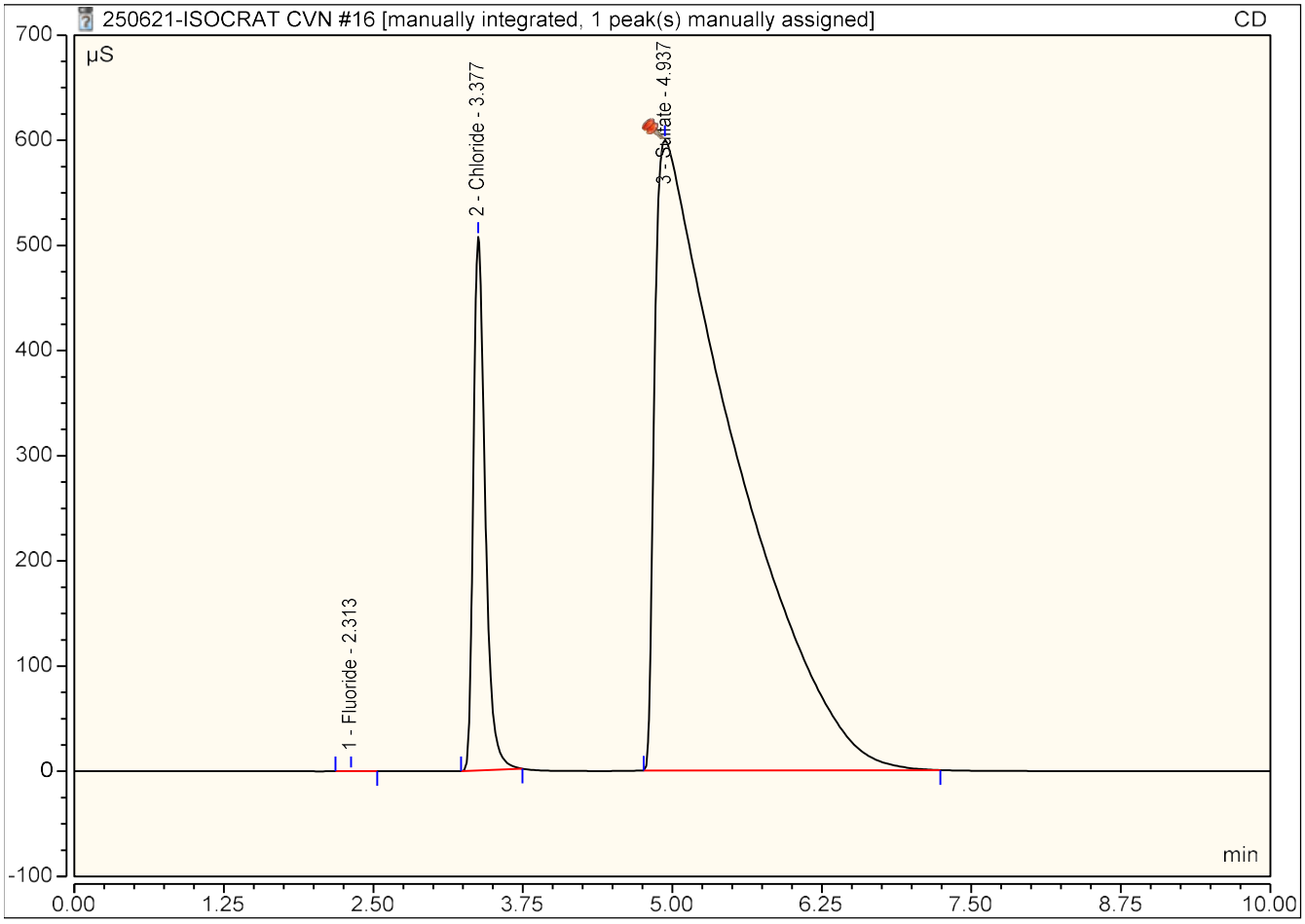
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.069	0.722	0.1522
3	3.40	**Chloride**	BMB	5.503	52.025	14.3453
4	5.87	**Sulfate**	BMB^	49.442	128.870	163.7389
TOTAL:				55.01	181.62	178.24



Peak Integration Report

Sample Name:	**L2536930-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:32**	*Run Time:*	**10.00**

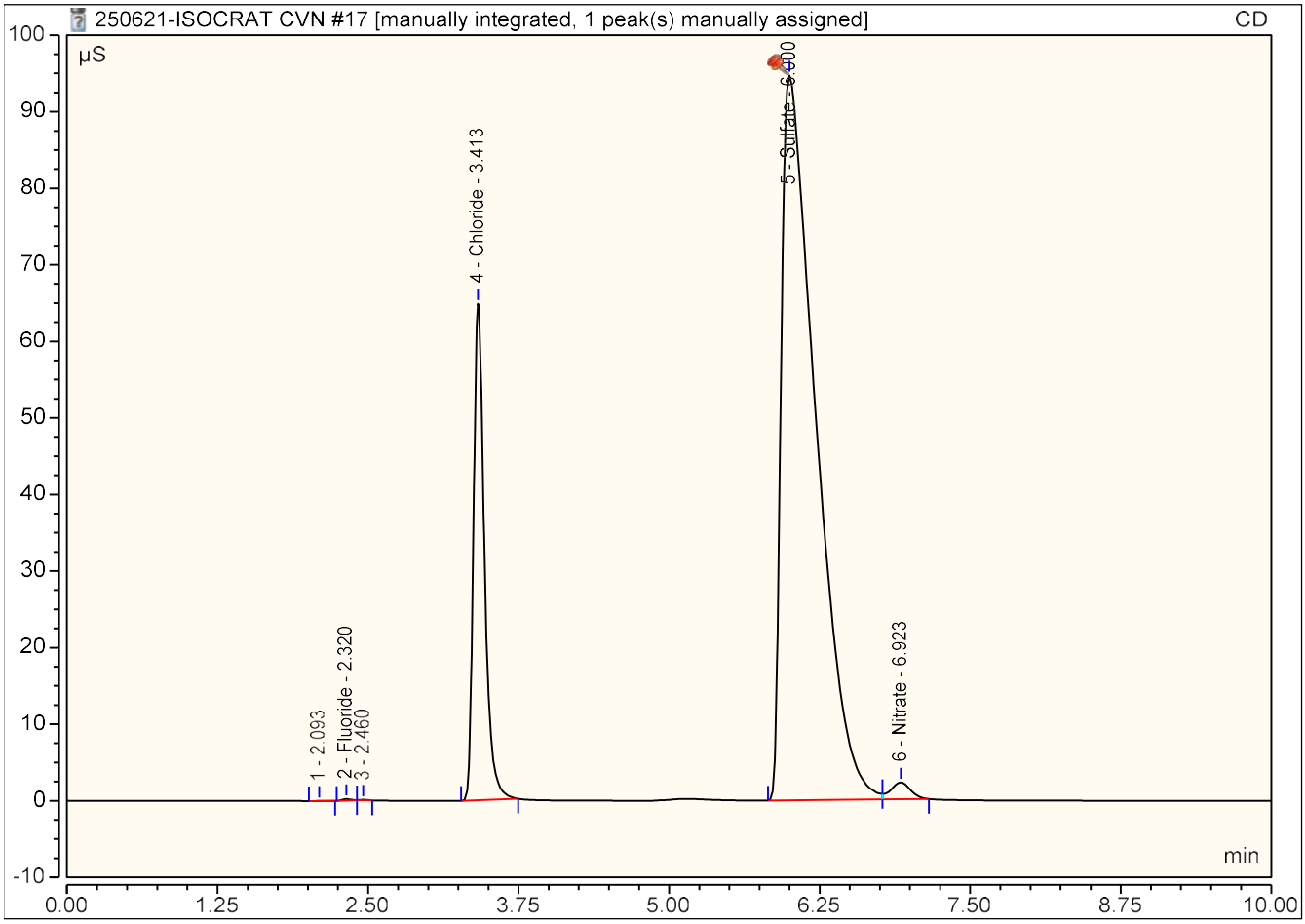
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.020	0.148	0.0629
2	3.38	**Chloride**	BMB	58.442	507.521	151.4436
3	4.94	**Sulfate**	BMB*^	465.820	599.507	1536.7904
TOTAL:				524.28	1107.18	1688.30



Peak Integration Report

Sample Name:	**L2536930-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:44**	*Run Time:*	**10.00**

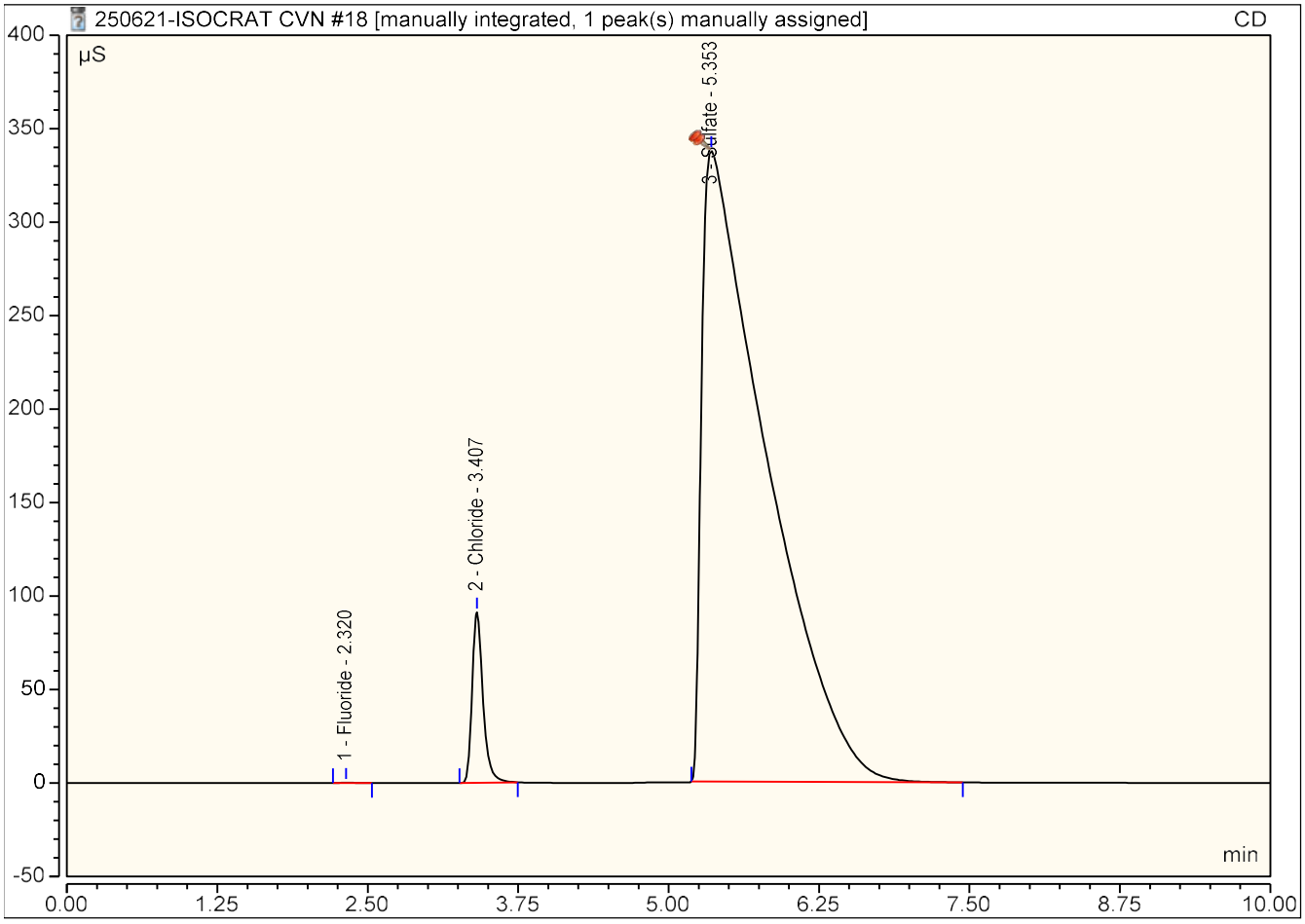
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.015	0.197	0.0535
4	3.41	**Chloride**	BMB	6.843	64.860	17.8171
5	6.00	**Sulfate**	BM *^	31.349	94.686	104.0753
6	6.92	**Nitrate**	MB*	0.421	2.203	0.4695
TOTAL:				38.63	161.95	122.42



Peak Integration Report

Sample Name:	**L2536930-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:56**	*Run Time:*	**10.00**

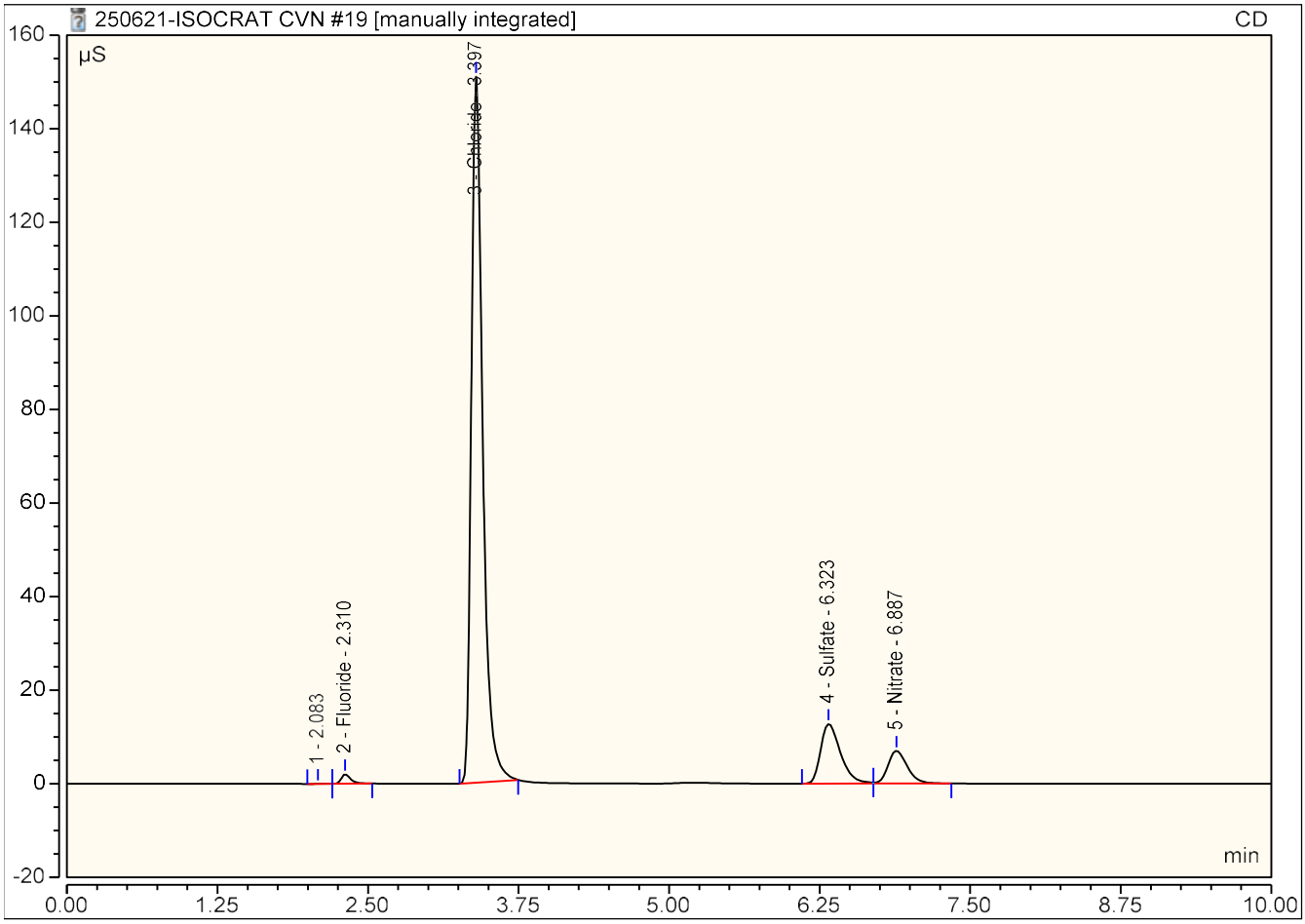
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.023	0.208	0.0680
2	3.41	**Chloride**	BMB	9.522	91.242	24.7548
3	5.35	**Sulfate**	BMB*^	209.403	337.397	691.2281
TOTAL:				218.95	428.85	716.05



Peak Integration Report

Sample Name:	**L2536169-01 F; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:08**	*Run Time:*	**10.00**

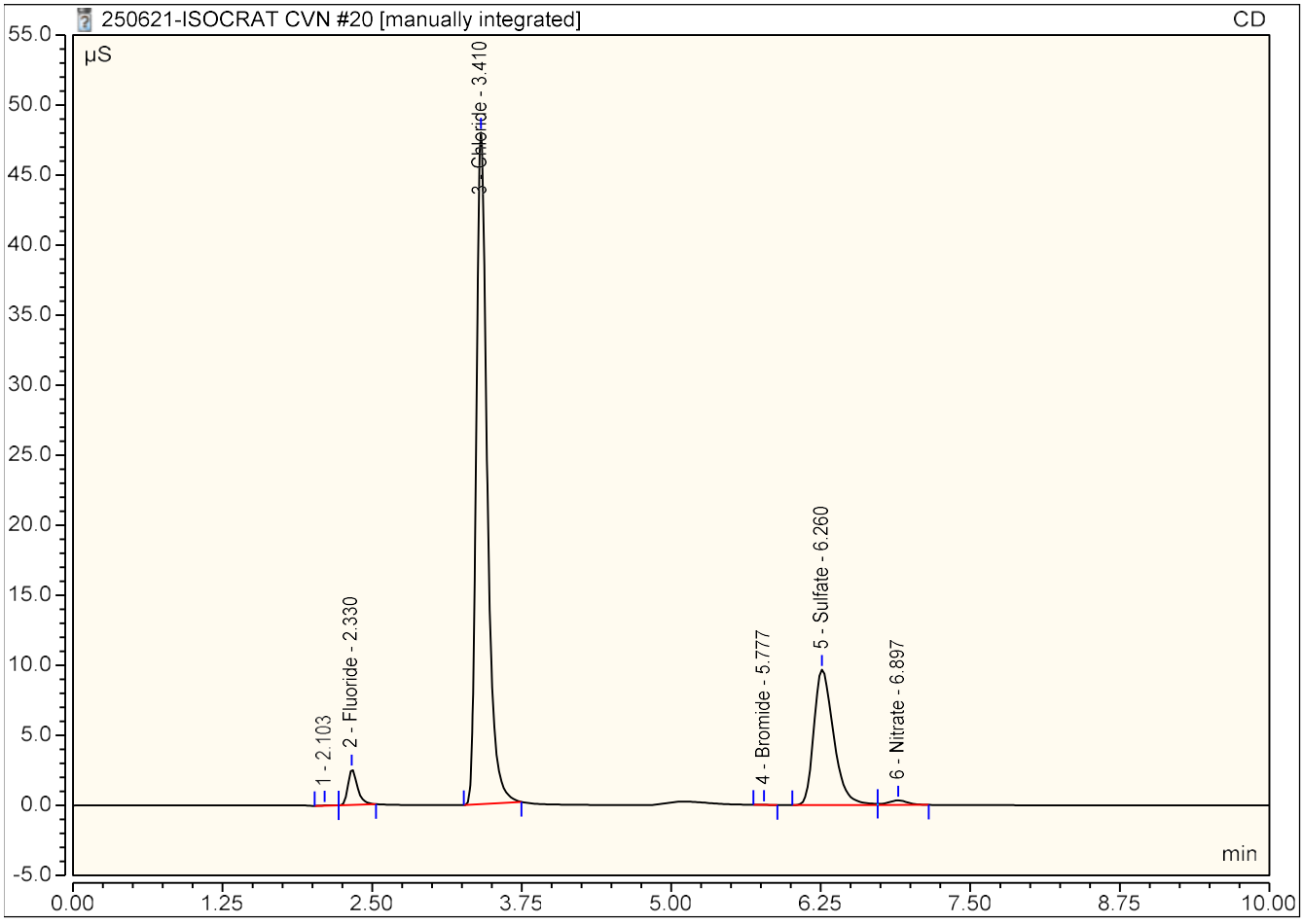
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.184	2.029	1.7917
3	3.40	**Chloride**	BMB	16.464	150.876	213.6617
4	6.32	**Sulfate**	BM *	2.447	12.763	43.8331
5	6.89	**Nitrate**	MB*	1.302	6.993	6.9752
TOTAL:				20.40	172.66	266.26



Peak Integration Report

Sample Name:	**L2536169-03 F; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:20**	*Run Time:*	**10.00**

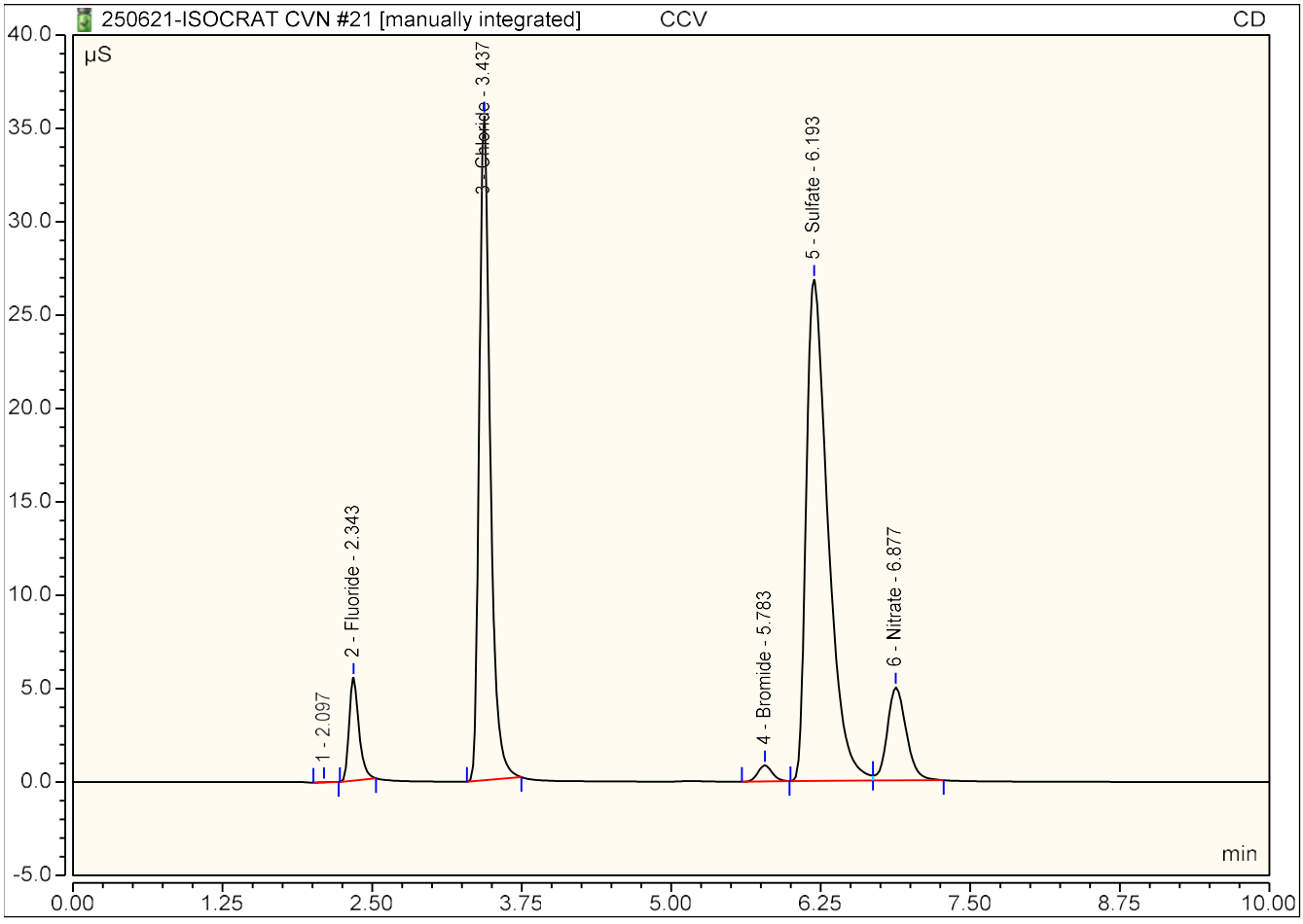
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.233	2.550	2.2351
3	3.41	**Chloride**	BMB	5.108	47.944	66.6222
4	5.78	**Bromide**	BMB	0.000	0.003	0.1961
5	6.26	**Sulfate**	BM *	1.852	9.661	34.0304
6	6.90	**Nitrate**	MB*	0.062	0.327	0.4578
TOTAL:				7.26	60.49	103.54



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:32**	*Run Time:*	**10.00**

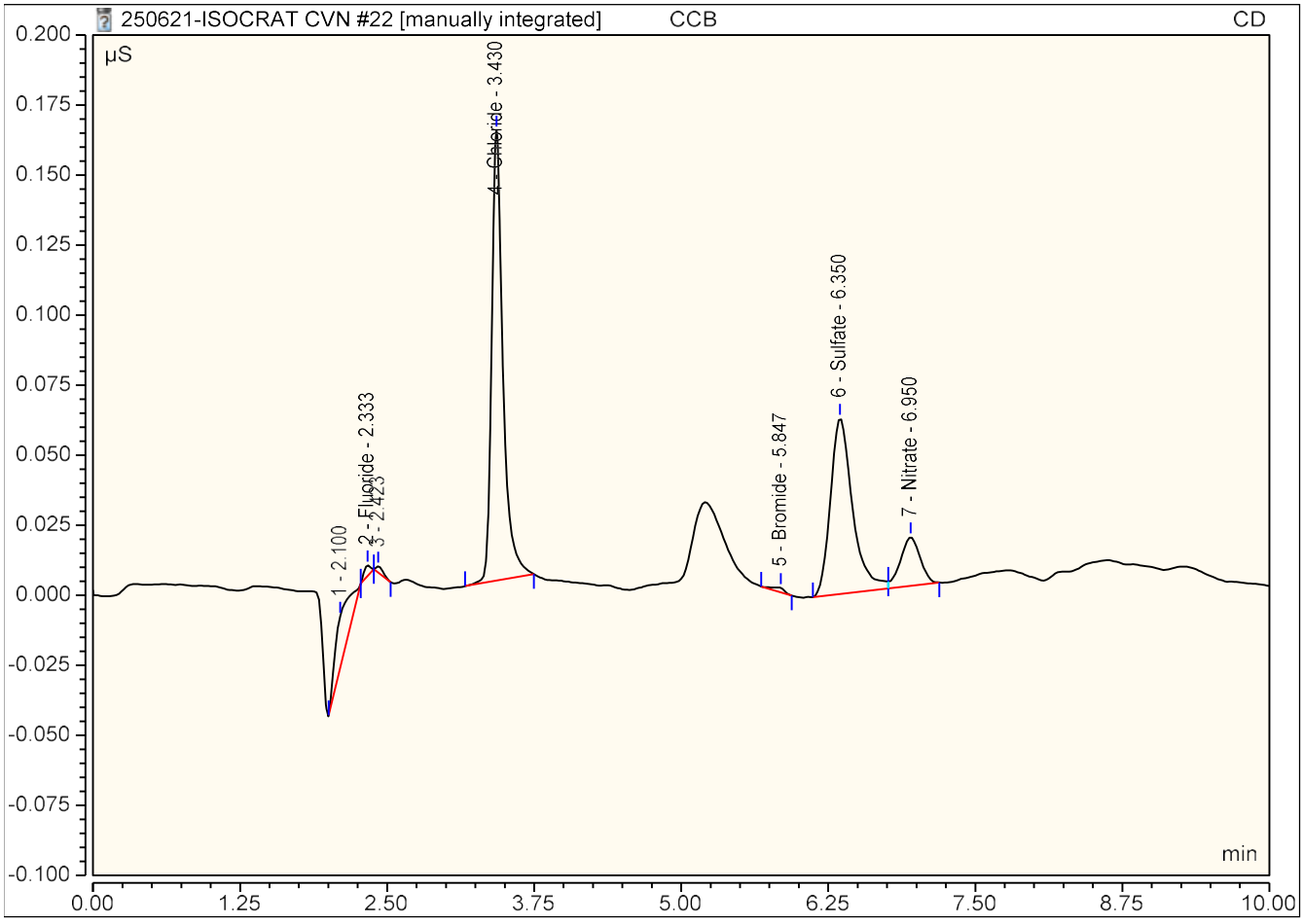
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.524	5.503	0.9712
3	3.44	**Chloride**	BMB	3.797	35.552	9.9296
4	5.78	**Bromide**	BMB	0.120	0.860	0.9246
5	6.19	**Sulfate**	BM *	5.631	26.838	19.2673
6	6.88	**Nitrate**	MB*	0.920	4.983	0.9937
TOTAL:				10.99	73.74	32.09



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:44**	*Run Time:*	**10.00**

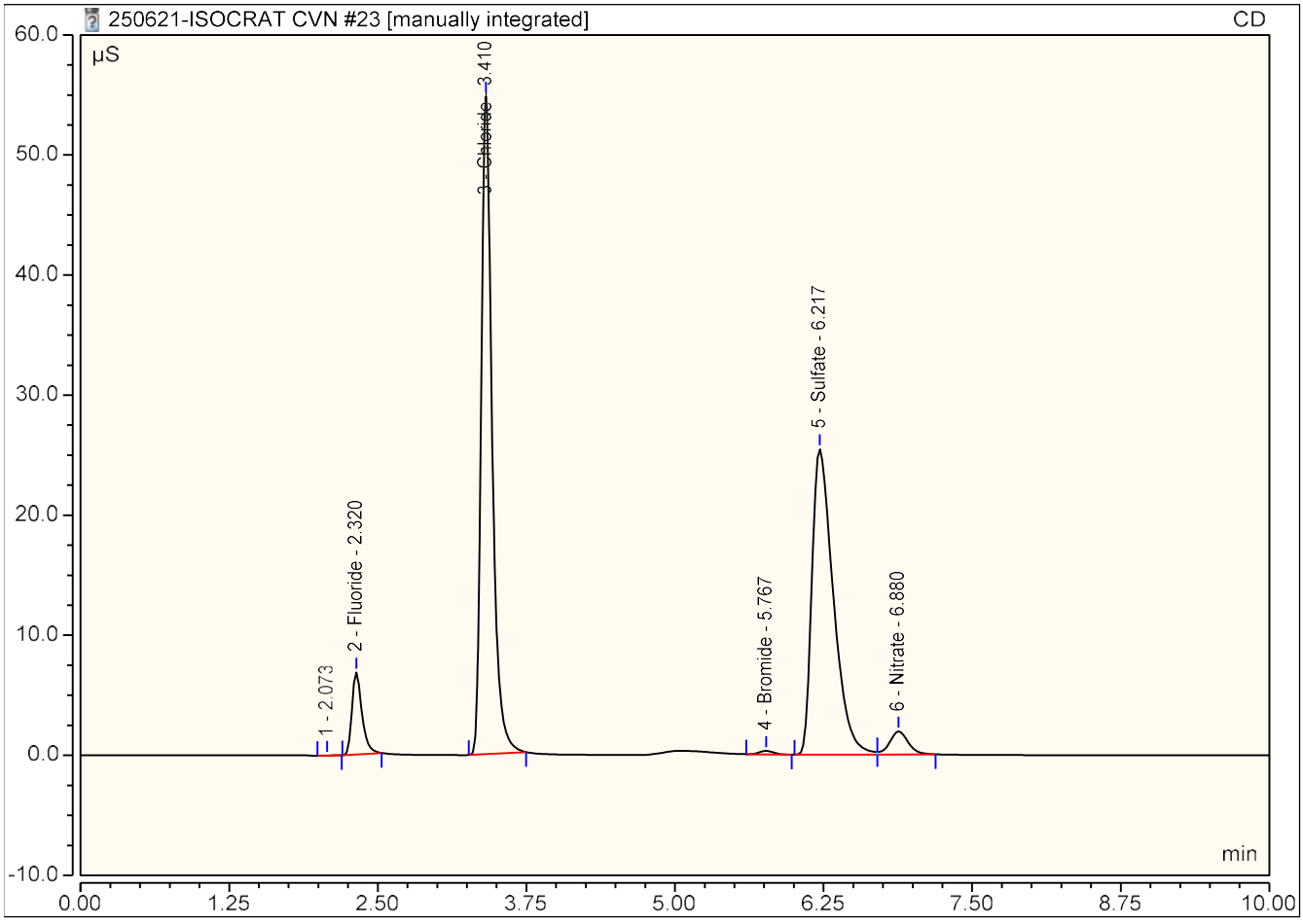
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.000	0.004	0.0277
4	3.43	**Chloride**	BMB	0.018	0.161	0.1416
5	5.85	**Bromide**	BMB	0.000	0.002	0.0386
6	6.35	**Sulfate**	BM *	0.014	0.063	0.7430
7	6.95	**Nitrate**	MB*	0.003	0.017	0.0304
TOTAL:				0.04	0.25	0.98



Peak Integration Report

Sample Name:	**L2536169-04 MS; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:56**	*Run Time:*	**10.00**

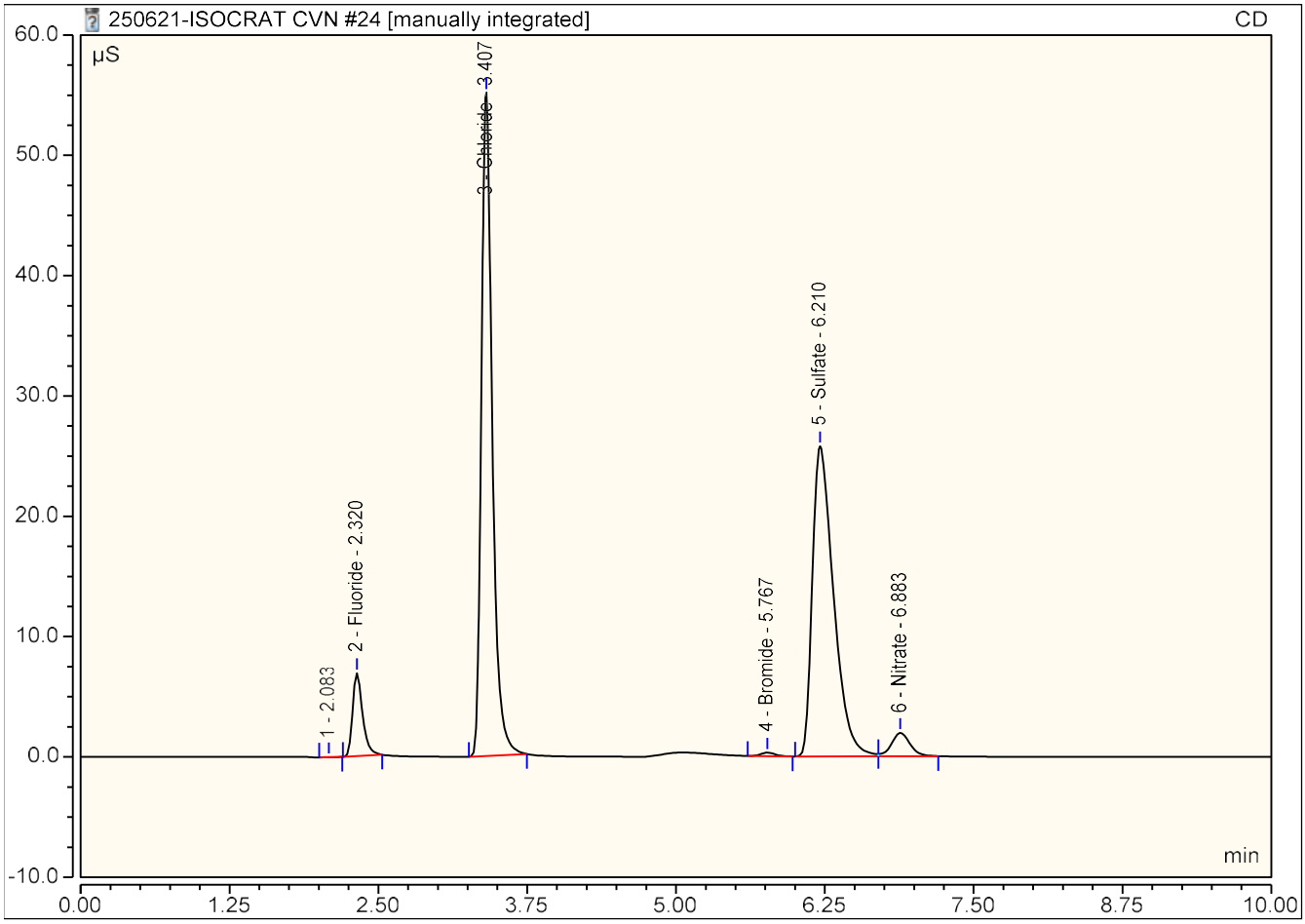
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.666	6.834	6.1391
3	3.41	**Chloride**	BMB	5.828	54.787	75.9466
4	5.77	**Bromide**	BMB	0.042	0.297	1.7298
5	6.22	**Sulfate**	BM *	5.320	25.456	91.1995
6	6.88	**Nitrate**	MB*	0.347	1.926	1.9550
TOTAL:				12.20	89.30	176.97



Peak Integration Report

Sample Name:	**L2536169-04 MSD; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:08**	*Run Time:*	**10.00**

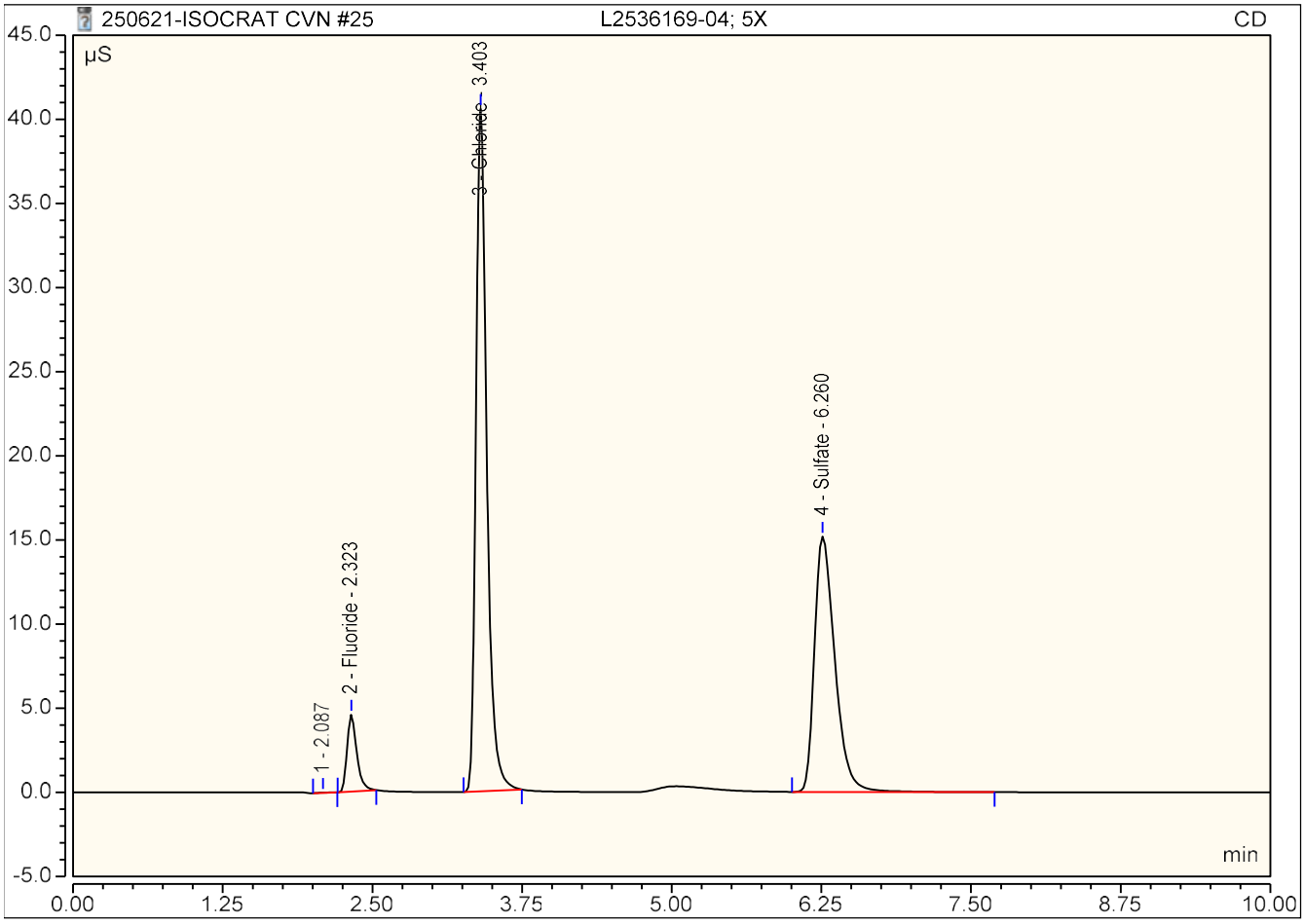
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.671	6.903	6.1849
3	3.41	**Chloride**	BMB	5.842	55.112	76.1220
4	5.77	**Bromide**	BMB	0.042	0.297	1.7294
5	6.21	**Sulfate**	BM *	5.318	25.773	91.1742
6	6.88	**Nitrate**	MB*	0.351	1.937	1.9763
TOTAL:				12.22	90.02	177.19



Peak Integration Report

Sample Name:	**L2536169-04; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:20**	*Run Time:*	**10.00**

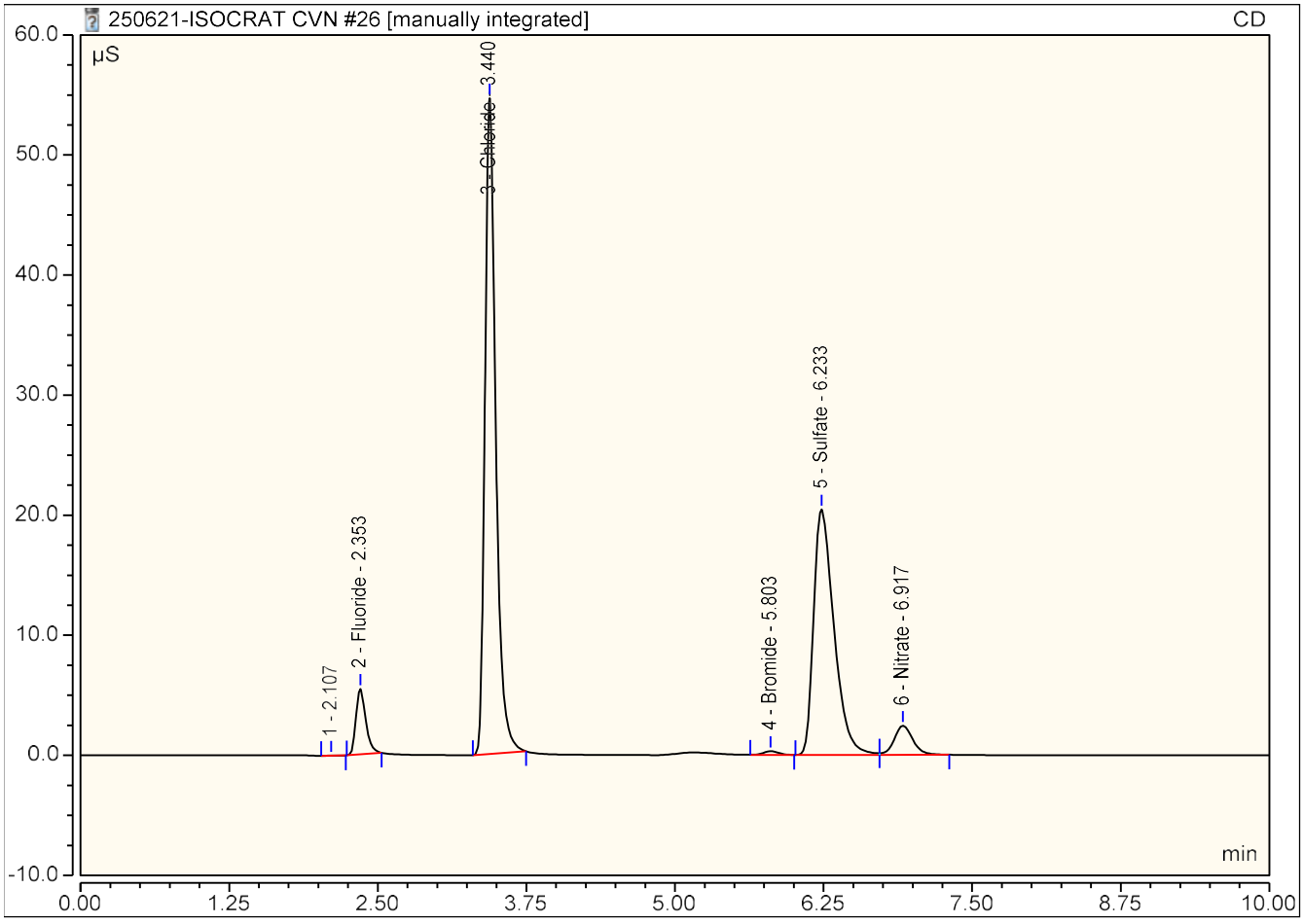
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.430	4.584	4.0088
3	3.40	**Chloride**	BMB	4.247	40.564	55.4743
4	6.26	**Sulfate**	BMB	2.997	15.174	52.9019
TOTAL:				7.67	60.32	112.38



Peak Integration Report

Sample Name:	**L2536169-05 MS; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:33**	*Run Time:*	**10.00**

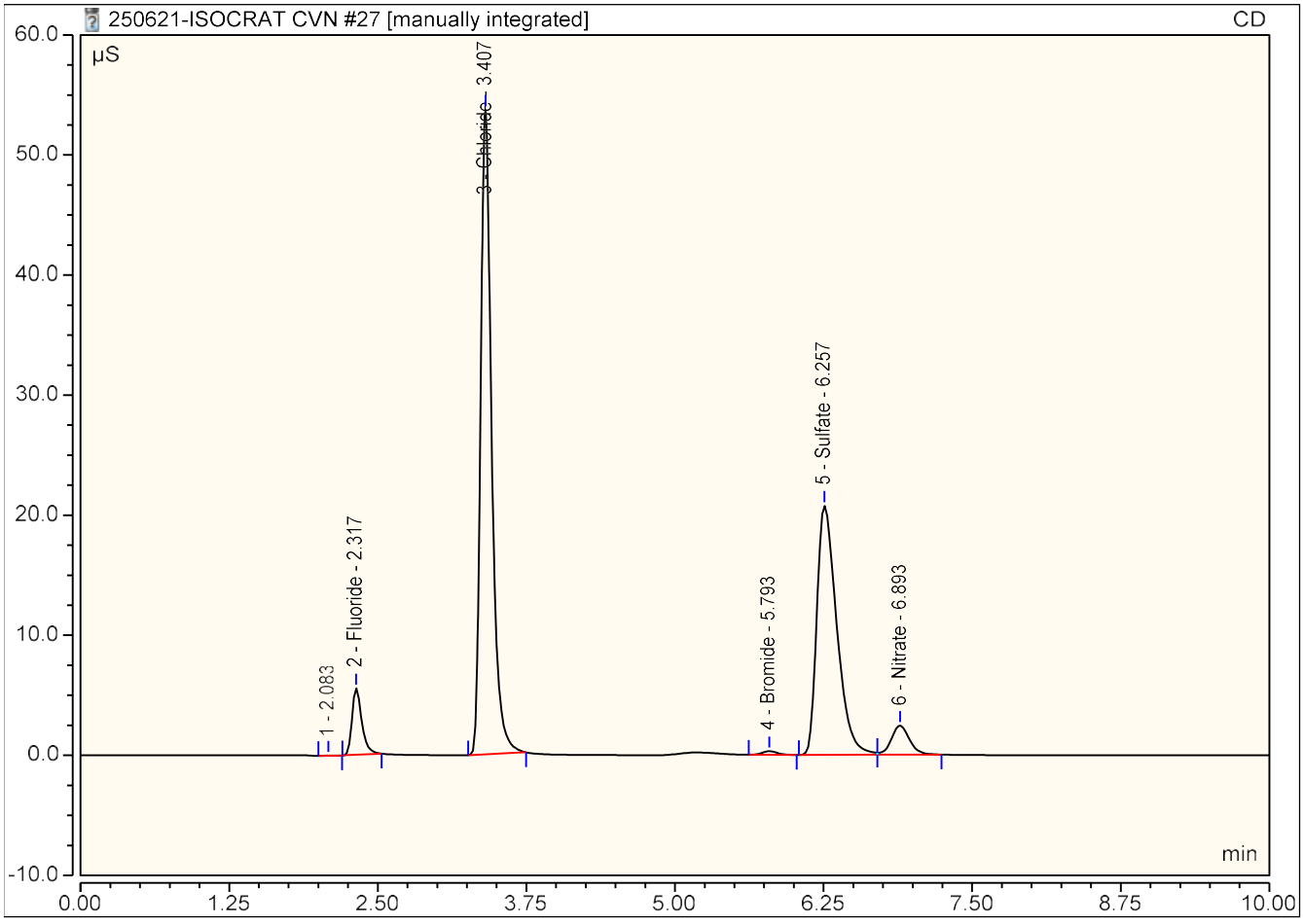
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.35	**Fluoride**	BMB	0.520	5.459	4.8261
3	3.44	**Chloride**	BMB	5.768	54.605	75.1639
4	5.80	**Bromide**	BMB	0.044	0.315	1.8248
5	6.23	**Sulfate**	BM *	4.058	20.455	70.3952
6	6.92	**Nitrate**	MB*	0.438	2.420	2.4330
TOTAL:				10.83	83.25	154.64



Peak Integration Report

Sample Name:	**L2536169-05 MSD; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:45**	*Run Time:*	**10.00**

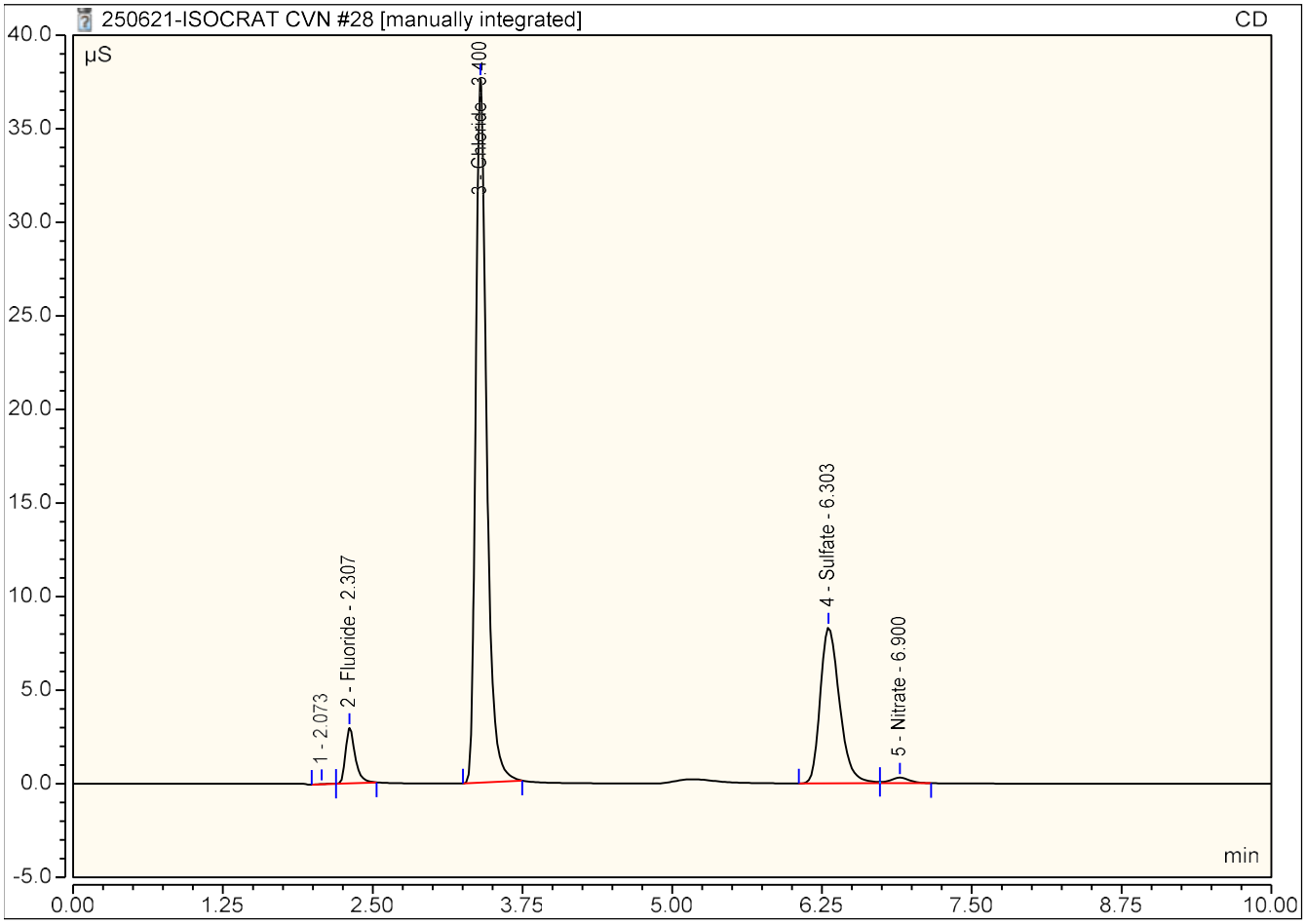
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.527	5.539	4.8896
3	3.41	**Chloride**	BMB	5.754	53.679	74.9830
4	5.79	**Bromide**	BMB	0.044	0.313	1.8347
5	6.26	**Sulfate**	BM *	4.029	20.751	69.9137
6	6.89	**Nitrate**	MB*	0.430	2.426	2.3936
TOTAL:				10.78	82.71	154.01



Peak Integration Report

Sample Name:	**L2536169-05; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:57**	*Run Time:*	**10.00**

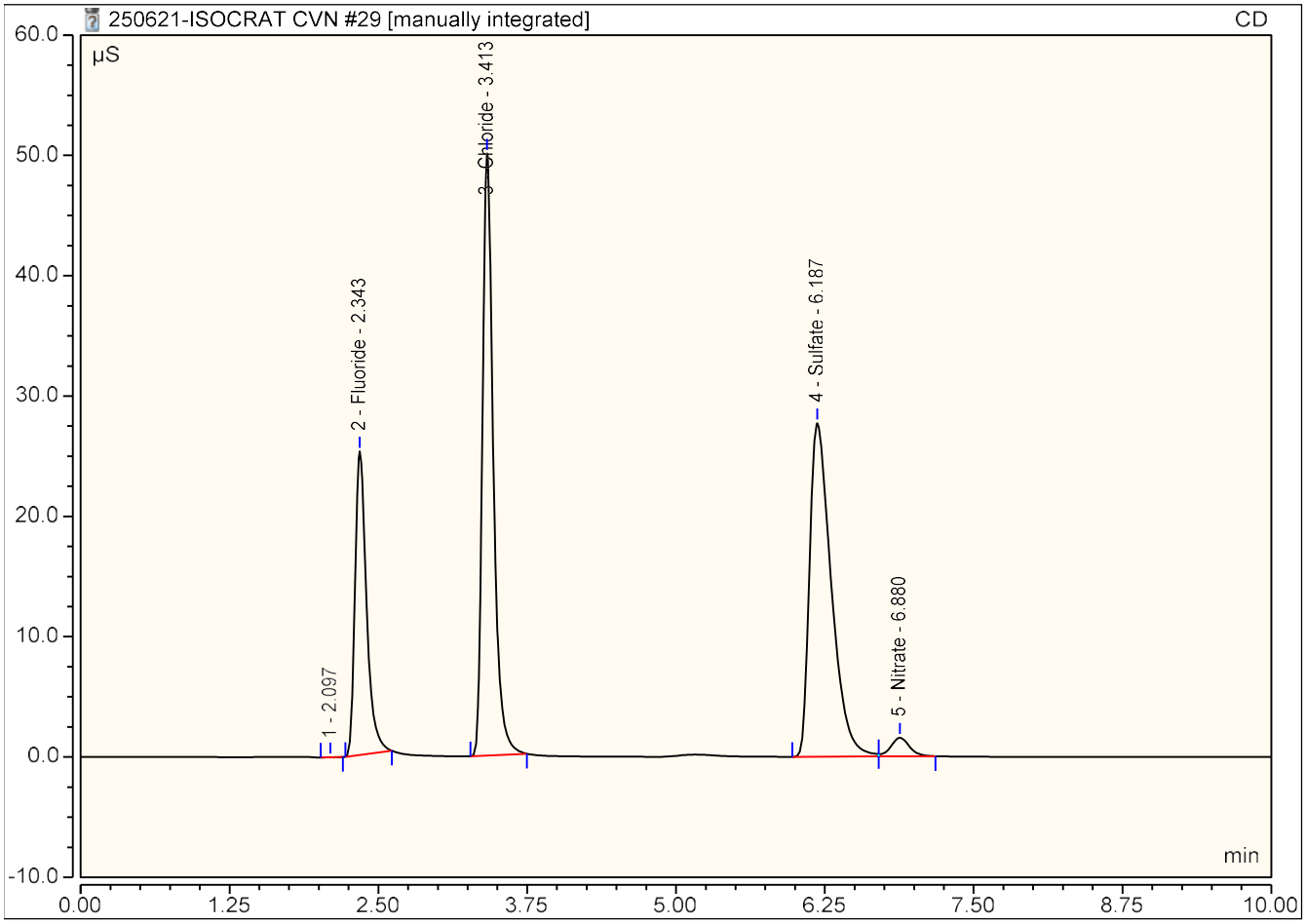
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.274	2.958	2.6039
3	3.40	**Chloride**	BMB	3.993	37.615	52.1855
4	6.30	**Sulfate**	BM *	1.555	8.329	29.1284
5	6.90	**Nitrate**	MB*	0.057	0.299	0.4312
TOTAL:				5.88	49.20	84.35



Peak Integration Report

Sample Name:	**XL2536169-10; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:09**	*Run Time:*	**10.00**

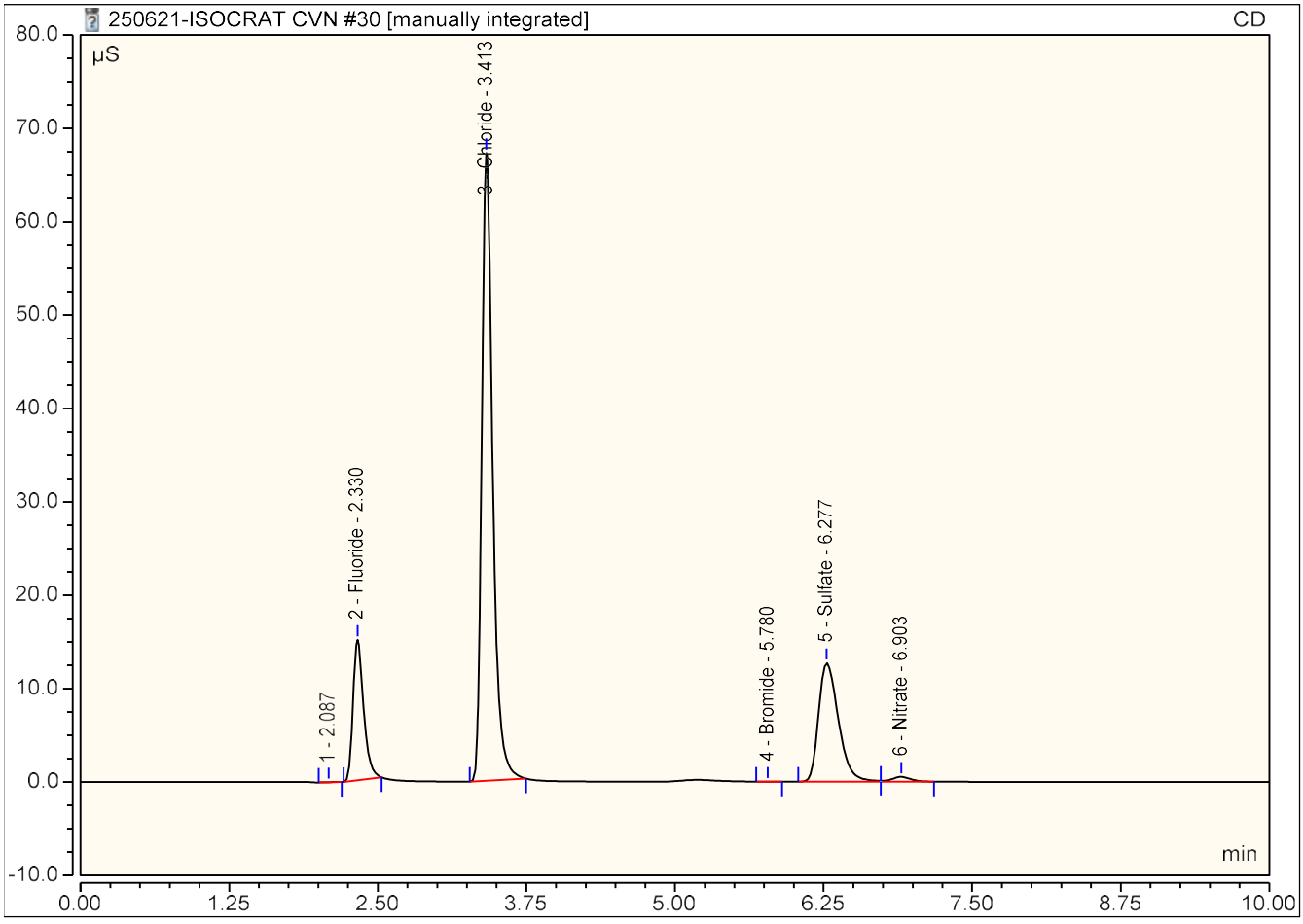
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB*	2.802	25.233	25.3926
3	3.41	**Chloride**	BMB	5.321	50.041	69.3765
4	6.19	**Sulfate**	BM *	5.853	27.727	99.9944
5	6.88	**Nitrate**	MB*	0.281	1.556	1.6105
TOTAL:				14.26	104.56	196.37



Peak Integration Report

Sample Name:	**L2536169-11; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:21**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	1.543	15.032	14.0428
3	3.41	**Chloride**	BMB	7.186	67.212	93.5261
4	5.78	**Bromide**	BMB	0.000	0.003	0.1973
5	6.28	**Sulfate**	BM *	2.461	12.701	44.0709
6	6.90	**Nitrate**	MB*	0.095	0.516	0.6350
TOTAL:				11.29	95.46	152.47



Peak Integration Report

Sample Name:	**XL2538013-02 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:31**	*Run Time:*	**n.a.**

No.	Time min	Peak Name	Peak Type	Area n.a.	Height n.a.	Amount n.a.
		TOTAL:		0.00	0.00	0.00

Channel CD is not available for injection #31 - XL2538013-02 BR.

Peak Integration Report

Sample Name:	**XL2538013-02; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:33**	*Run Time:*	**n.a.**

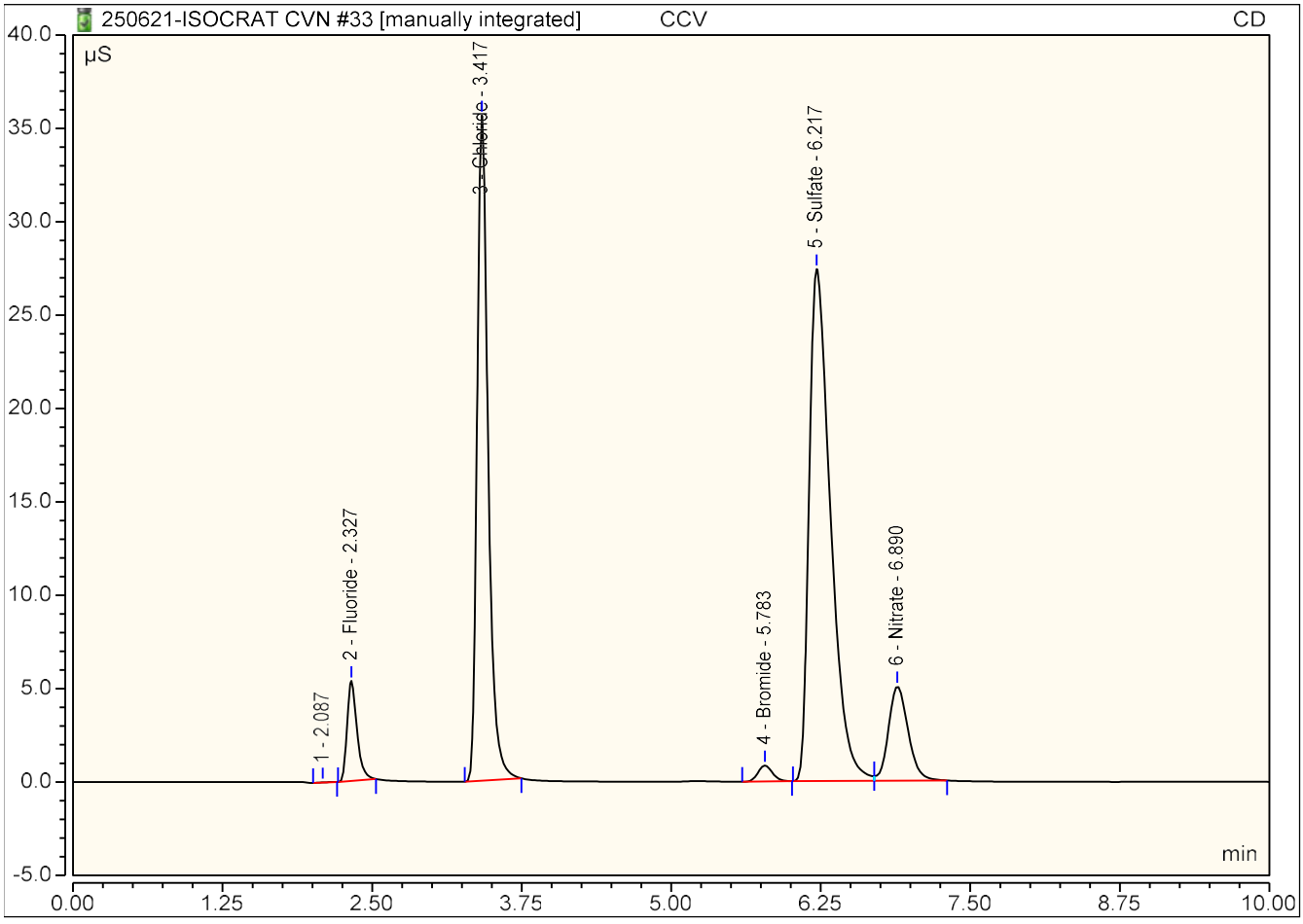
No.	Time min	Peak Name	Peak Type	Area n.a.	Height n.a.	Amount n.a.
		TOTAL:		0.00	0.00	0.00

Channel CD is not available for injection #32 - XL2538013-02; 10X.

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:37**	*Run Time:*	**10.00**

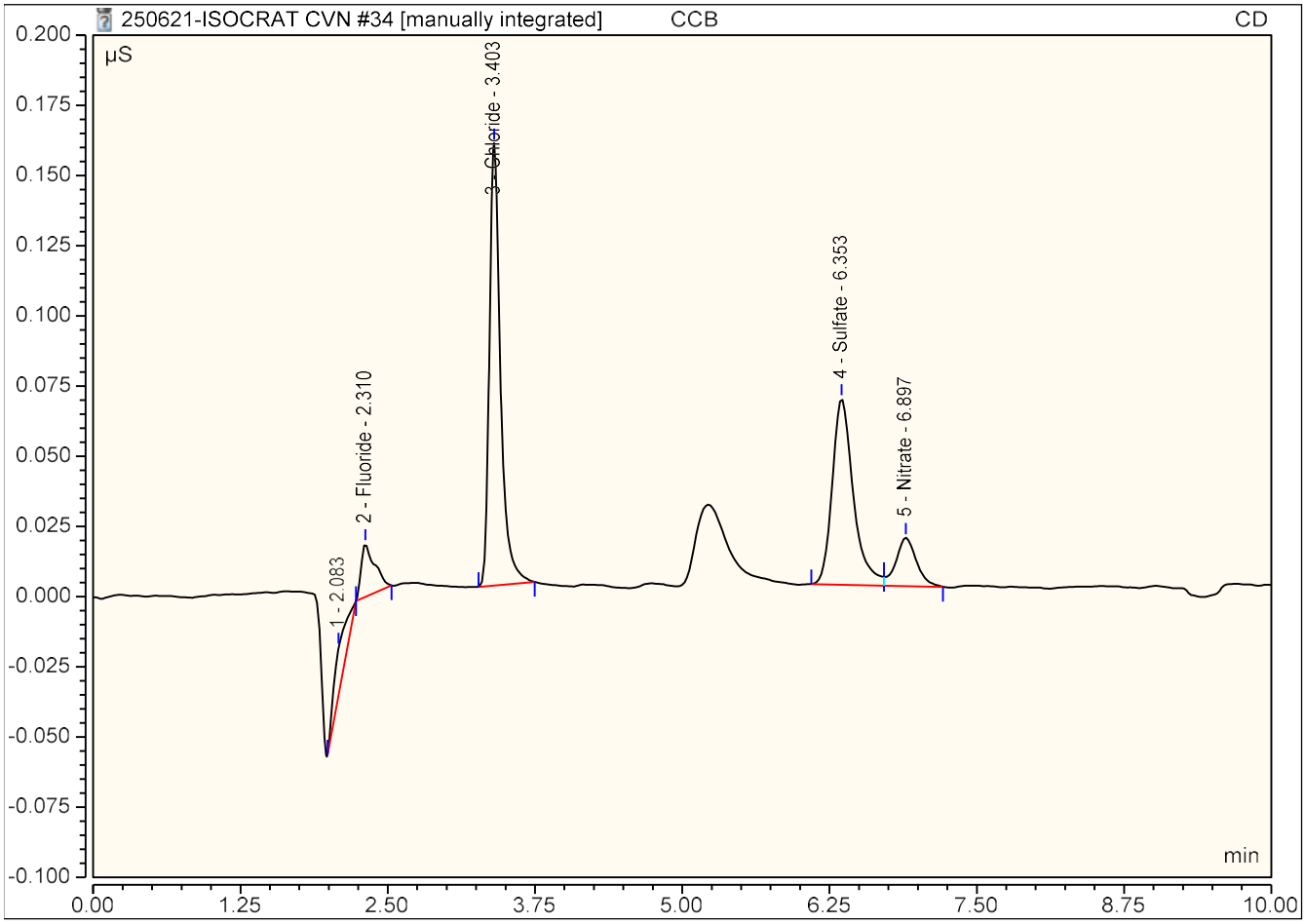
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.510	5.354	0.9471
3	3.42	**Chloride**	BMB	3.802	35.622	9.9419
4	5.78	**Bromide**	BMB	0.121	0.863	0.9369
5	6.22	**Sulfate**	BM *	5.683	27.413	19.4397
6	6.89	**Nitrate**	MB*	0.965	5.055	1.0403
TOTAL:				11.08	74.31	32.31



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:49**	*Run Time:*	**10.00**

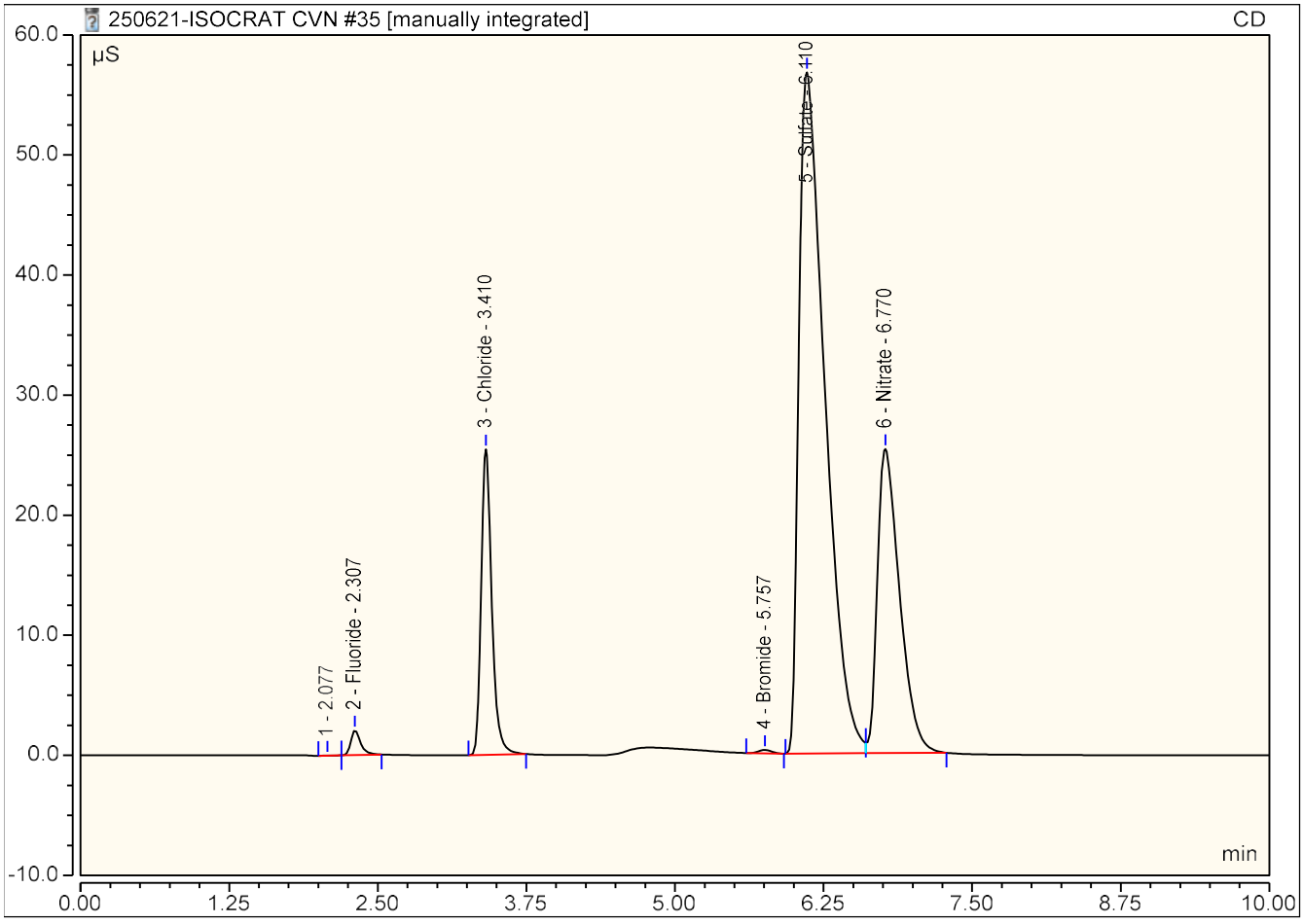
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.003	0.019	0.0318
3	3.40	**Chloride**	BMB	0.017	0.158	0.1397
4	6.35	**Sulfate**	BM *	0.014	0.066	0.7430
5	6.90	**Nitrate**	MB*	0.003	0.017	0.0305
TOTAL:				0.04	0.26	0.95



Peak Integration Report

Sample Name:	**L2538013-01 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:01**	*Run Time:*	**10.00**

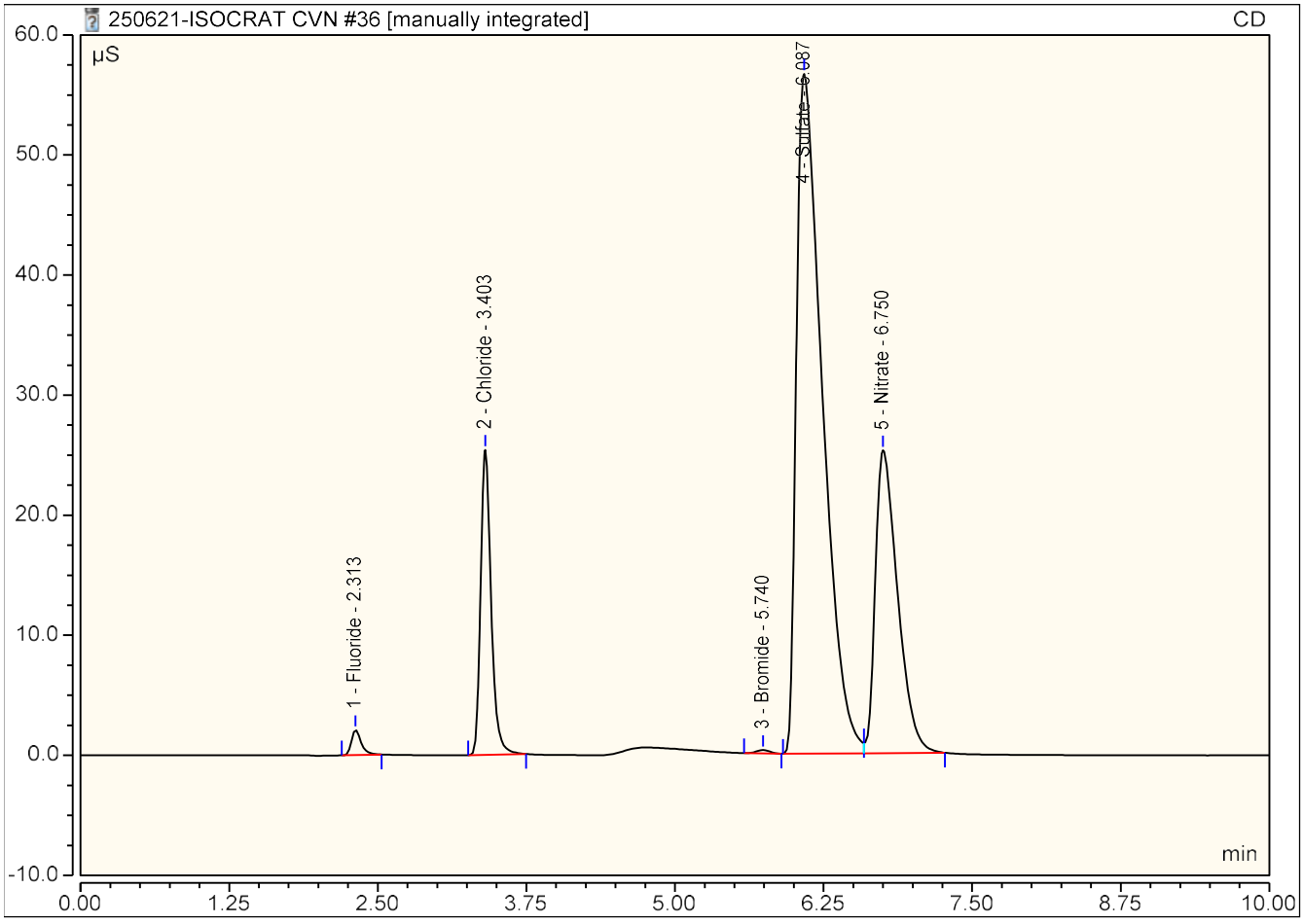
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.197	2.059	0.3828
3	3.41	**Chloride**	BMB	2.634	25.445	6.9160
4	5.76	**Bromide**	BMB	0.038	0.292	0.3228
5	6.11	**Sulfate**	BM *	14.400	56.743	48.1849
6	6.77	**Nitrate**	MB*	5.489	25.333	5.7932
TOTAL:				22.76	109.87	61.60



Peak Integration Report

Sample Name:	**L2538013-01 MSD**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:13**	*Run Time:*	**10.00**

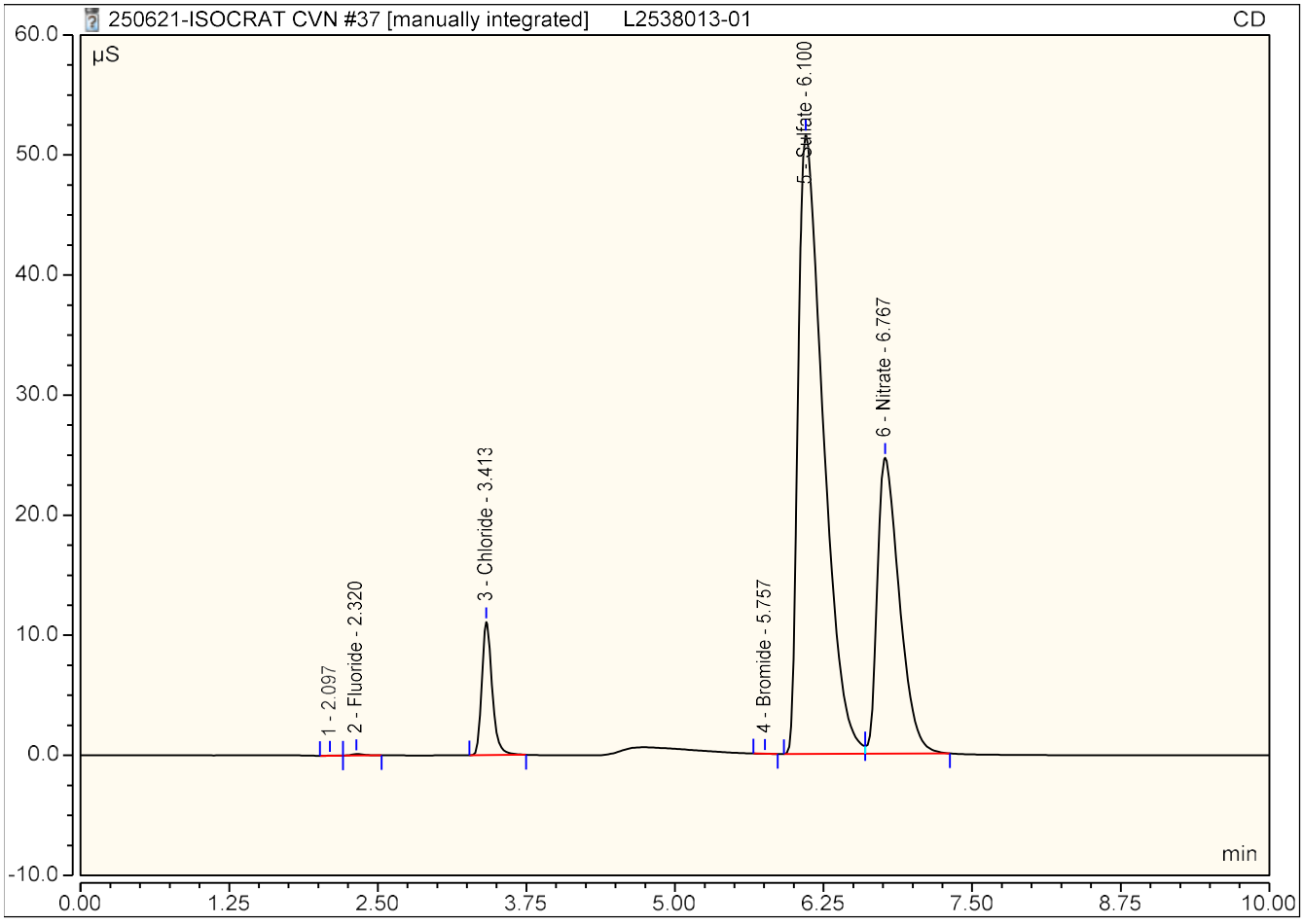
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.199	2.094	0.3868
2	3.40	**Chloride**	BMB	2.606	25.411	6.8443
3	5.74	**Bromide**	BMB	0.038	0.287	0.3178
4	6.09	**Sulfate**	BM *	14.300	56.620	47.8549
5	6.75	**Nitrate**	MB*	5.477	25.220	5.7803
TOTAL:				22.62	109.63	61.18



Peak Integration Report

Sample Name:	**L2538013-01**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:25**	*Run Time:*	**10.00**

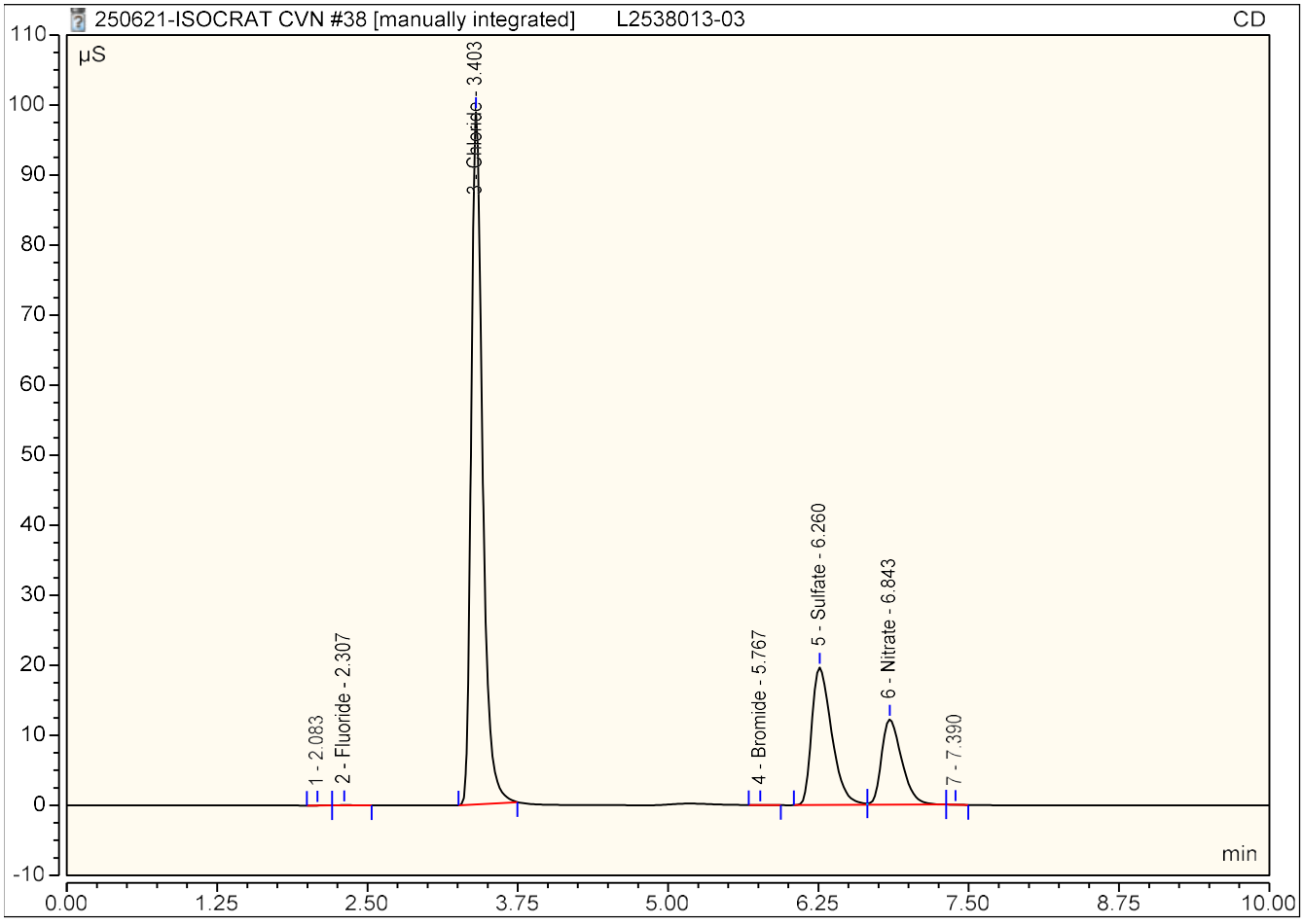
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.013	0.123	0.0513
3	3.41	**Chloride**	BMB	1.119	11.085	2.9922
4	5.76	**Bromide**	BMB	0.001	0.007	0.0425
5	6.10	**Sulfate**	BM *	12.594	51.608	42.2287
6	6.77	**Nitrate**	MB*	5.306	24.646	5.6007
TOTAL:				19.03	87.47	50.92



Peak Integration Report

Sample Name:	**L2538013-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:37**	*Run Time:*	**10.00**

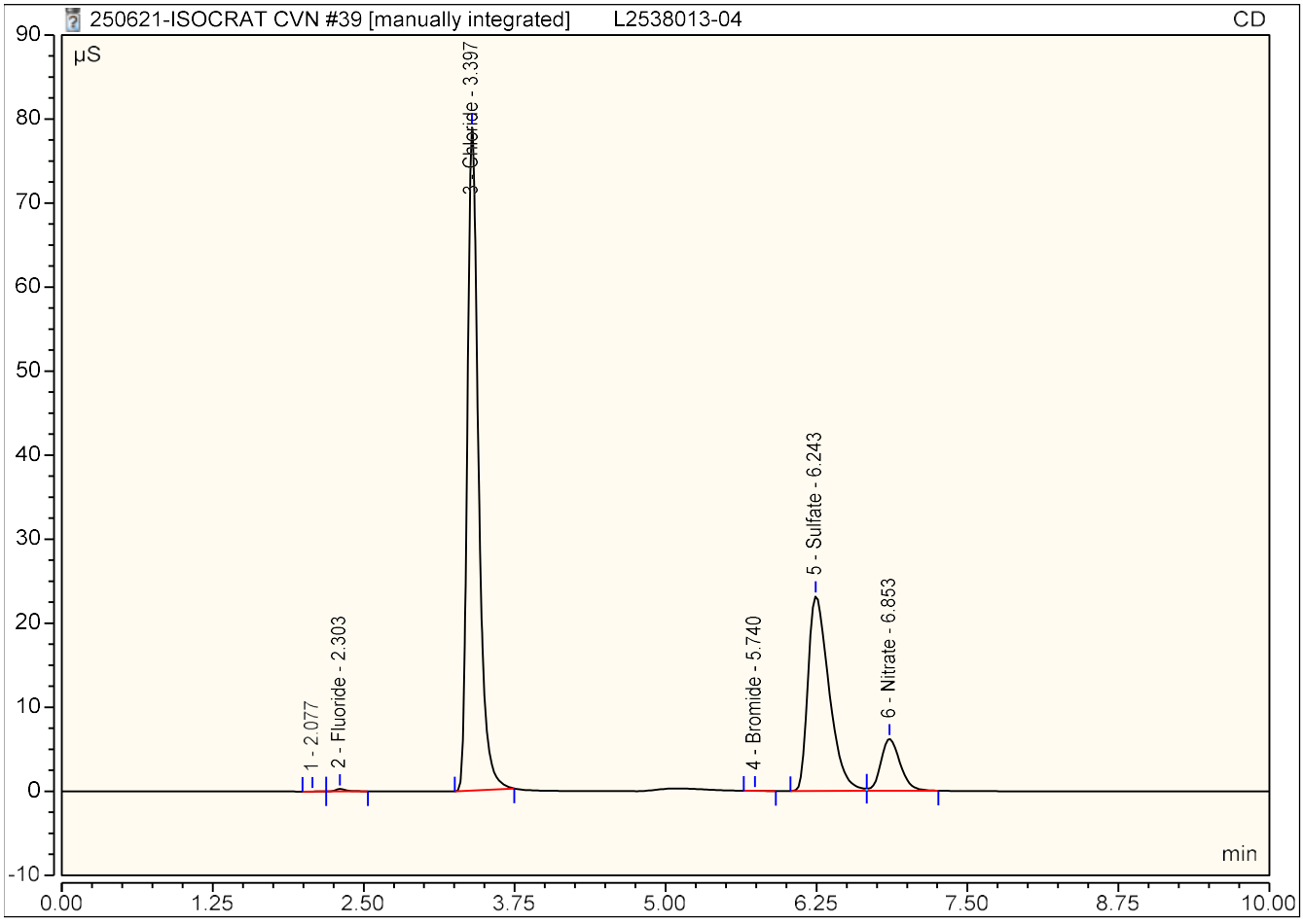
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.006	0.056	0.0389
3	3.40	**Chloride**	BMB	10.824	98.885	28.1257
4	5.77	**Bromide**	BMB	0.001	0.011	0.0482
5	6.26	**Sulfate**	BM *	3.781	19.653	13.1655
6	6.84	**Nitrate**	MB*	2.369	12.203	2.5152
TOTAL:				16.98	130.81	43.89



Peak Integration Report

Sample Name:	**L2538013-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:49**	*Run Time:*	**10.00**

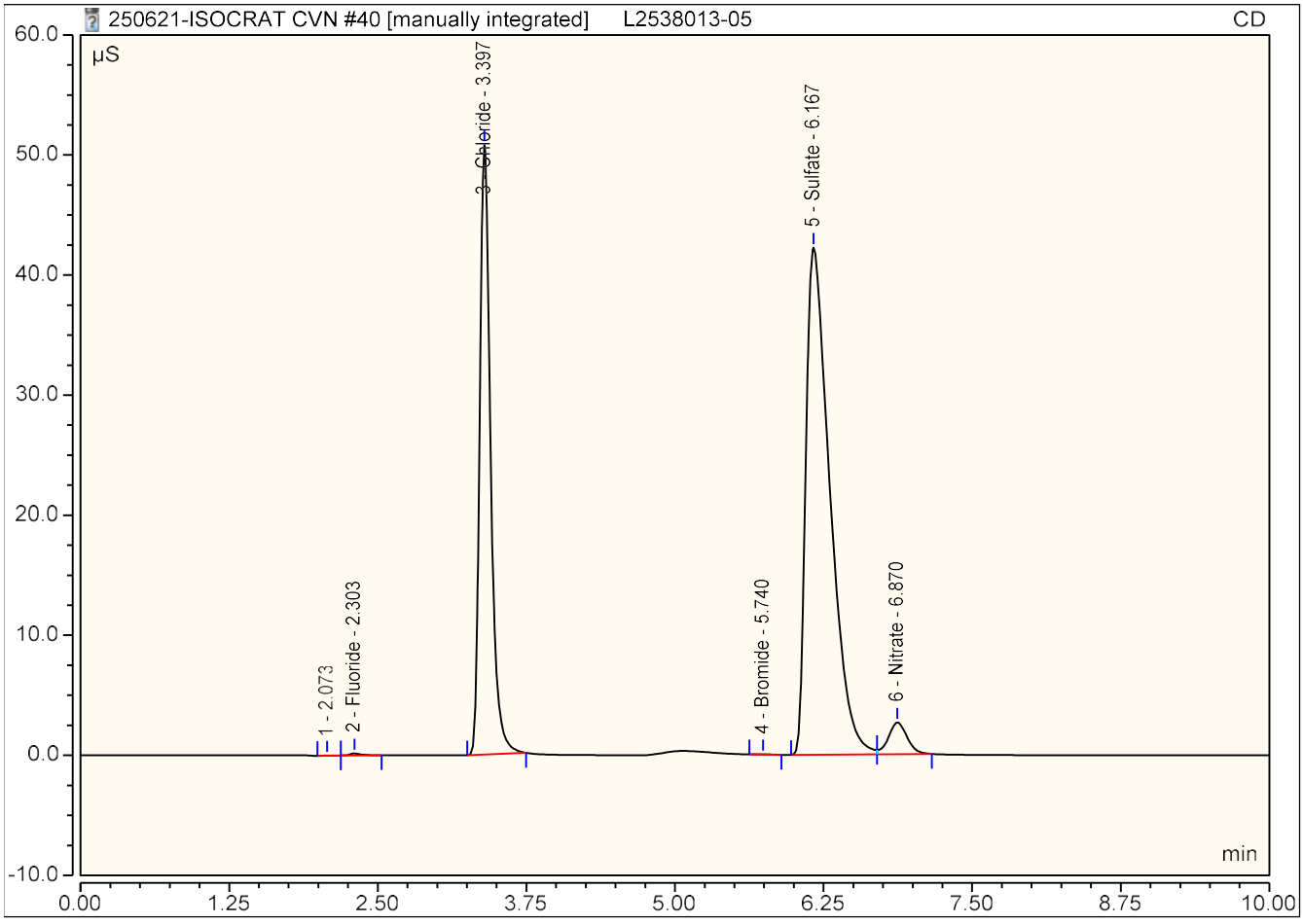
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.028	0.287	0.0779
3	3.40	**Chloride**	BMB	8.461	78.875	22.0074
4	5.74	**Bromide**	BMB	0.002	0.013	0.0498
5	6.24	**Sulfate**	BM *	4.702	23.198	16.2034
6	6.85	**Nitrate**	MB*	1.140	6.188	1.2247
TOTAL:				14.33	108.56	39.56



Peak Integration Report

Sample Name:	**L2538013-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:02**	*Run Time:*	**10.00**

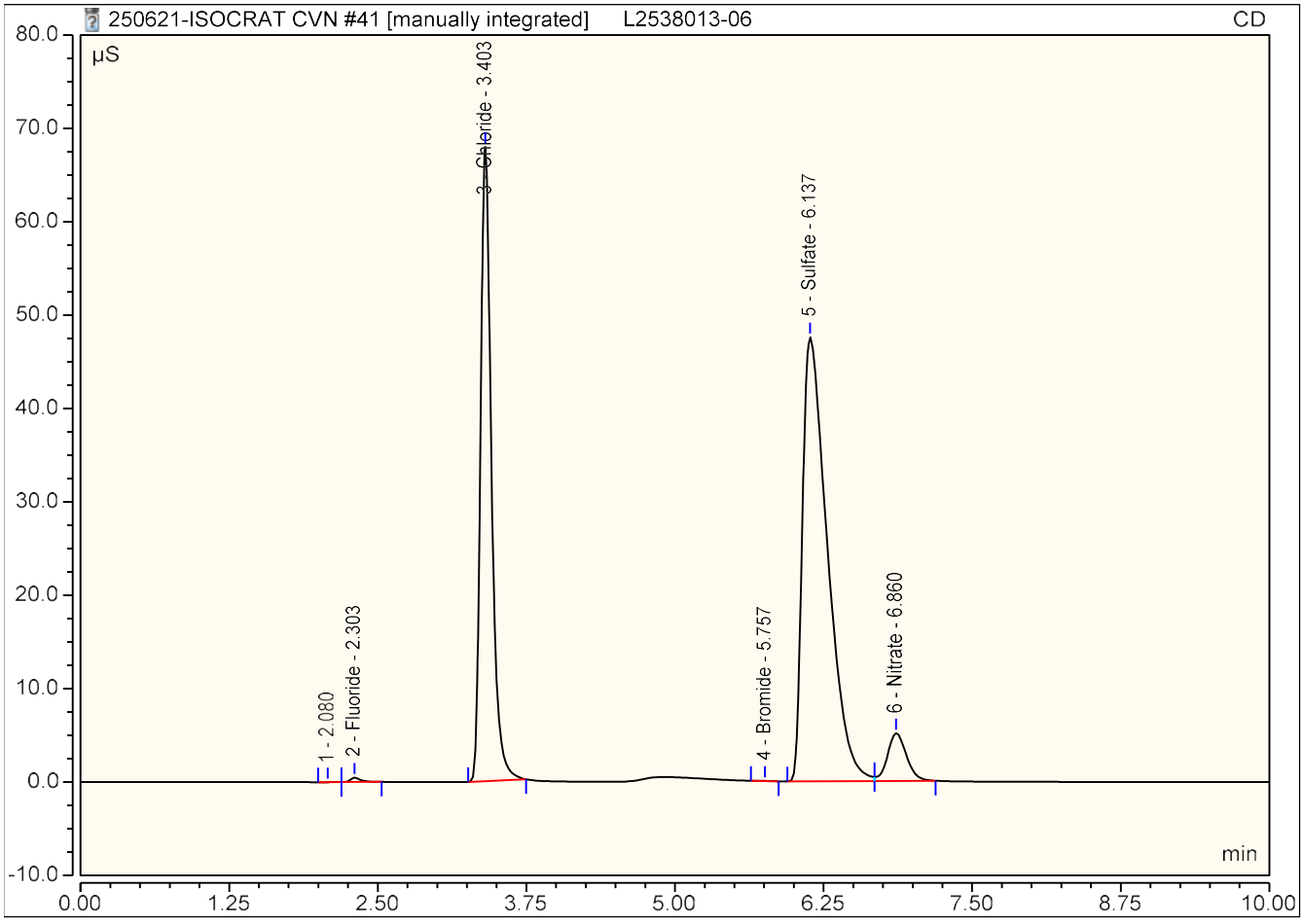
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.017	0.163	0.0578
3	3.40	**Chloride**	BMB	5.371	50.784	14.0056
4	5.74	**Bromide**	BMB	0.003	0.026	0.0621
5	6.17	**Sulfate**	BM *	9.858	42.223	33.2044
6	6.87	**Nitrate**	MB*	0.481	2.643	0.5316
TOTAL:				15.73	95.84	47.86



Peak Integration Report

Sample Name:	**L2538013-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:14**	*Run Time:*	**10.00**

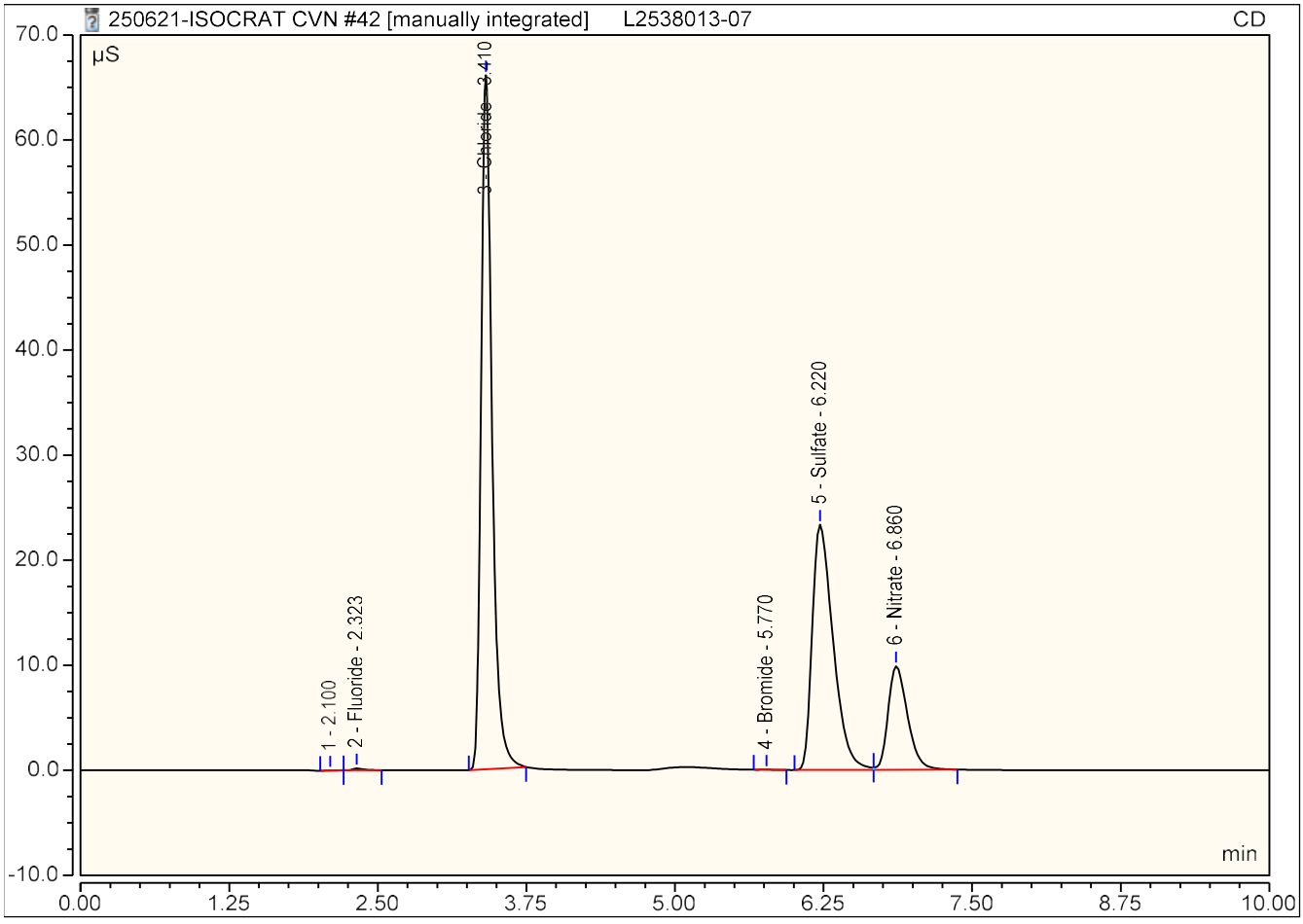
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.045	0.463	0.1091
3	3.40	**Chloride**	BMB	7.221	67.949	18.7948
4	5.76	**Bromide**	BMB	0.002	0.014	0.0494
5	6.14	**Sulfate**	BM *	11.561	47.559	38.8202
6	6.86	**Nitrate**	MB*	0.940	5.105	1.0142
TOTAL:				19.77	121.09	58.79



Peak Integration Report

Sample Name:	**L2538013-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:26**	*Run Time:*	**10.00**

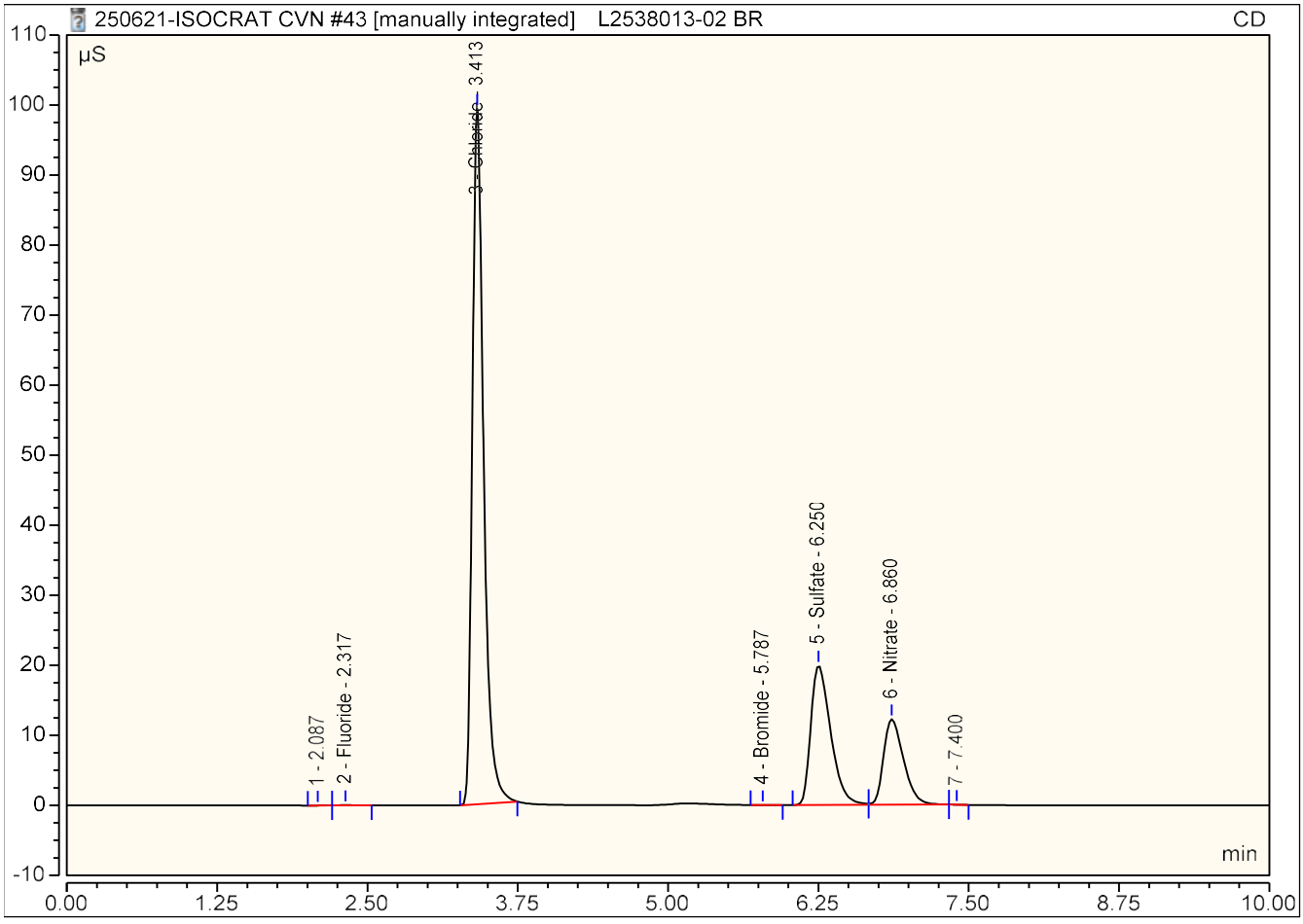
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.019	0.180	0.0606
3	3.41	**Chloride**	BMB	7.067	66.053	18.3979
4	5.77	**Bromide**	BMB	0.002	0.015	0.0522
5	6.22	**Sulfate**	BM *	4.768	23.339	16.4207
6	6.86	**Nitrate**	MB*	1.868	9.862	1.9888
TOTAL:				13.72	99.45	36.92



Peak Integration Report

Sample Name:	**L2538013-02 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:38**	*Run Time:*	**10.00**

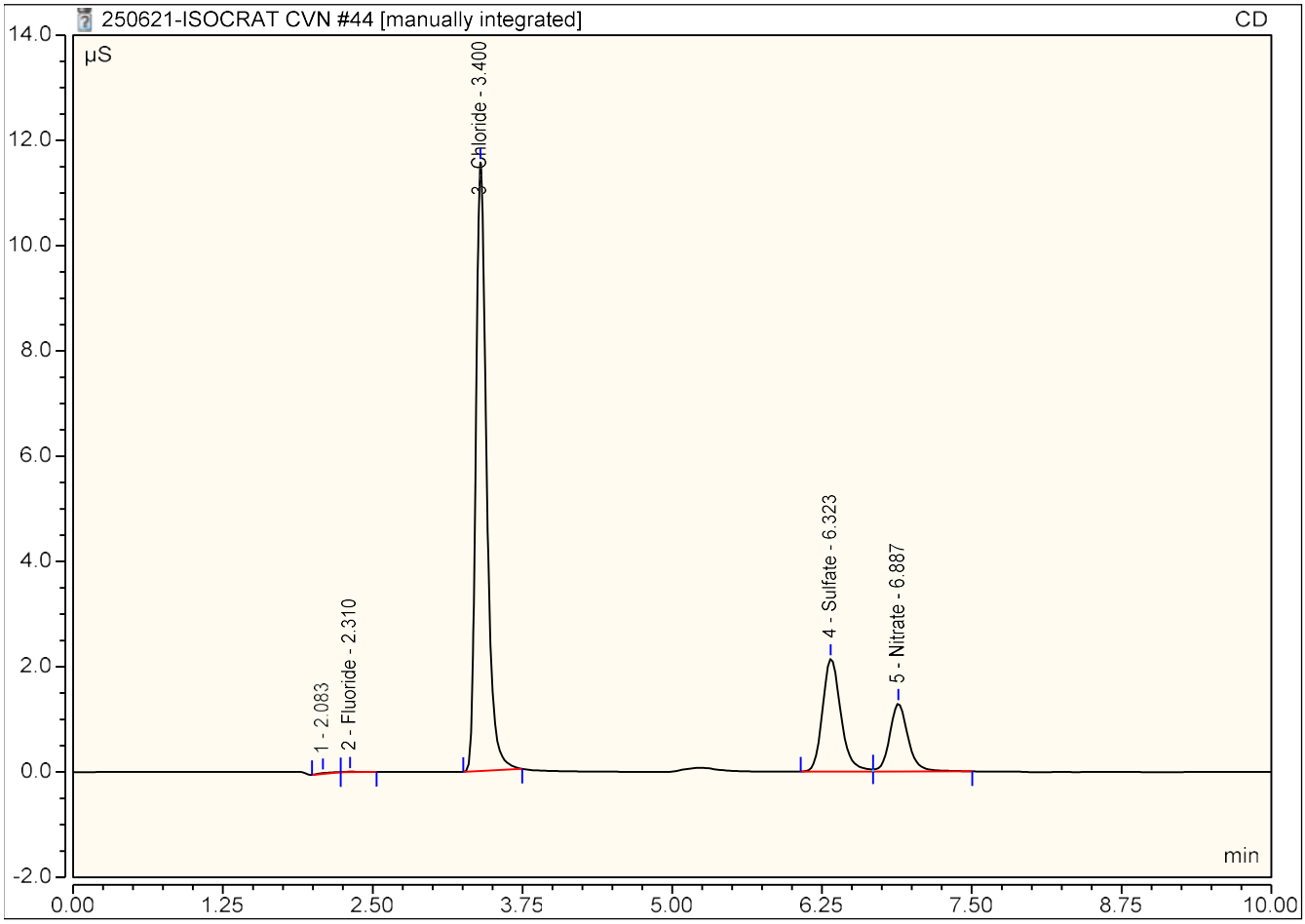
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.006	0.053	0.0382
3	3.41	**Chloride**	BMB	10.788	99.288	28.0326
4	5.79	**Bromide**	BMB	0.001	0.011	0.0470
5	6.25	**Sulfate**	BM *	3.822	19.934	13.3008
6	6.86	**Nitrate**	MB*	2.354	12.217	2.4999
TOTAL:				16.97	131.50	43.92



Peak Integration Report

Sample Name:	**XL2538013-02; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:50**	*Run Time:*	**10.00**

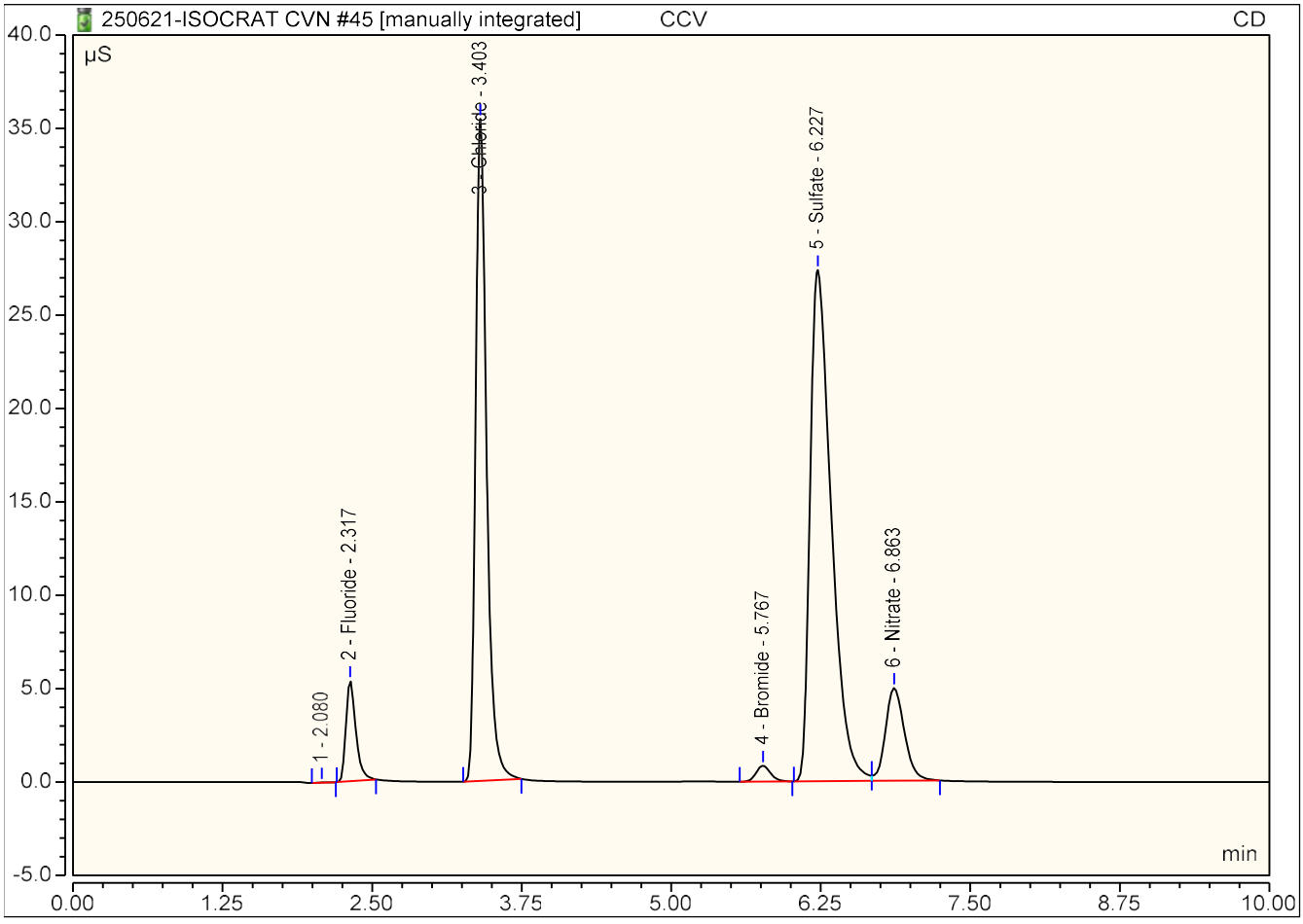
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.008	0.2931
3	3.40	**Chloride**	BMB	1.203	11.558	32.1030
4	6.32	**Sulfate**	BM *	0.380	2.141	19.5221
5	6.89	**Nitrate**	MB*	0.230	1.287	2.6807
TOTAL:				1.81	14.99	54.60



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:02**	*Run Time:*	**10.00**

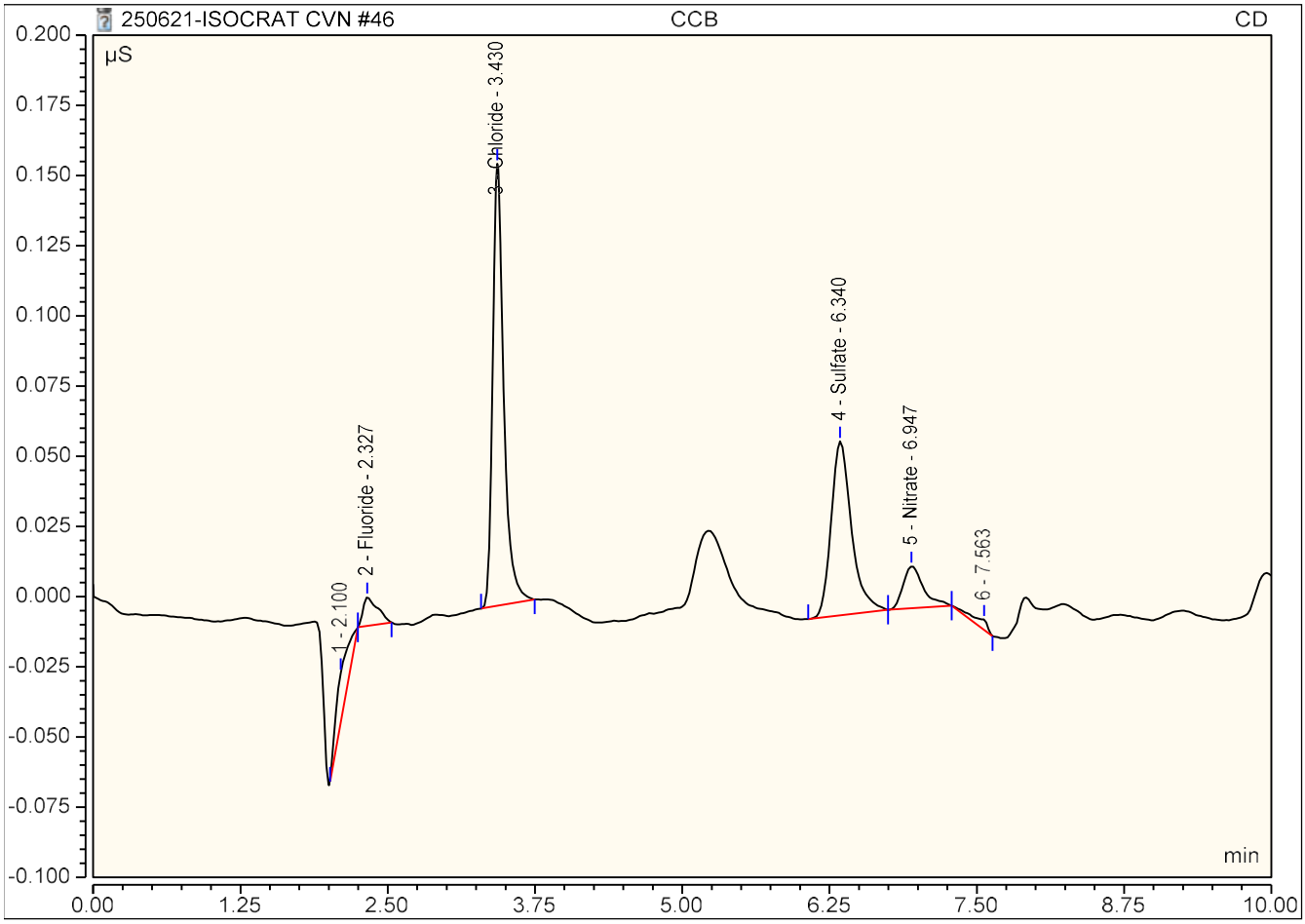
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.514	5.372	0.9533
3	3.40	**Chloride**	BMB	3.778	35.447	9.8805
4	5.77	**Bromide**	BMB	0.120	0.856	0.9297
5	6.23	**Sulfate**	BM *	5.620	27.369	19.2288
6	6.86	**Nitrate**	MB*	0.914	4.970	0.9865
TOTAL:				10.95	74.02	31.98



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:14**	*Run Time:*	**10.00**

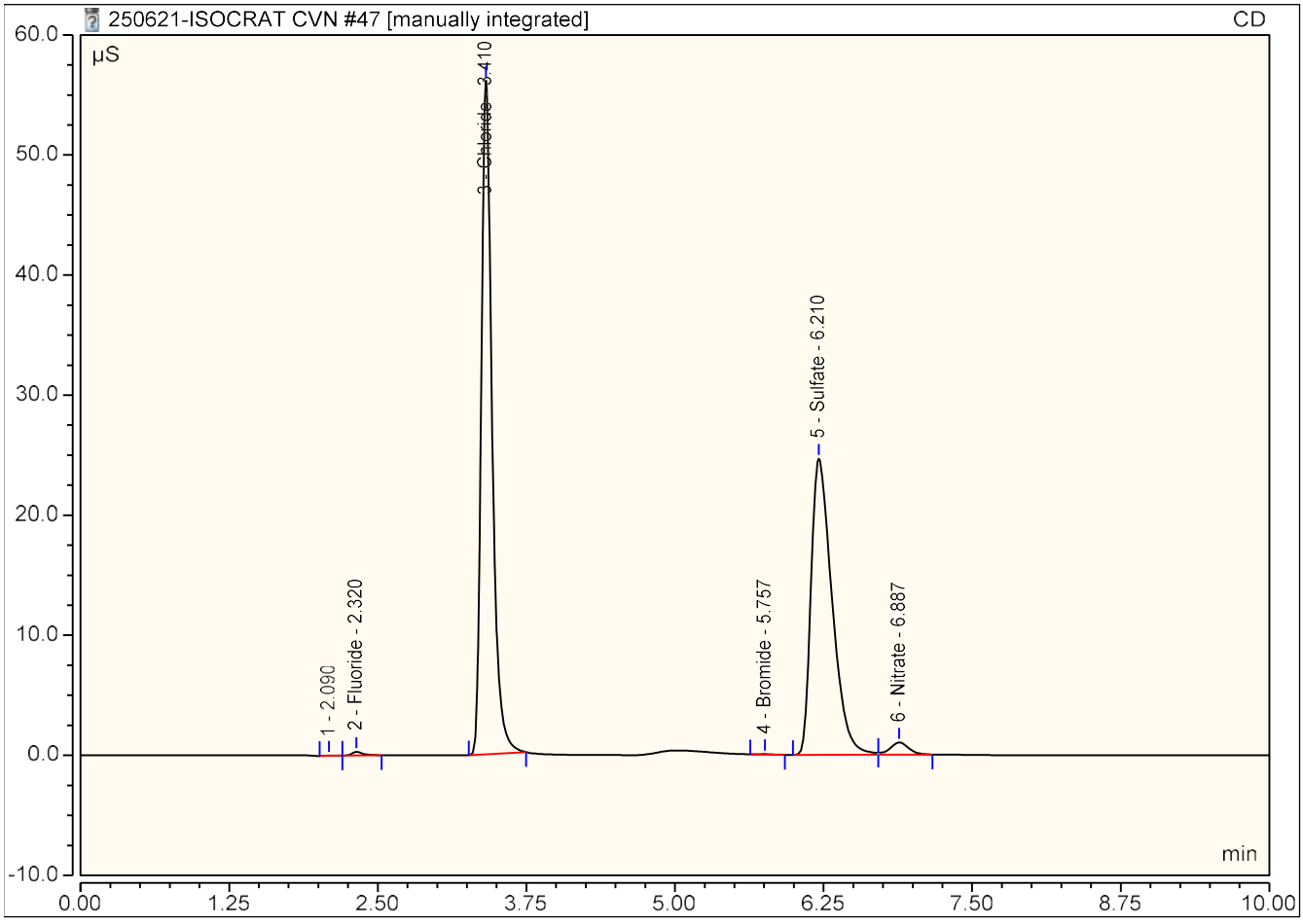
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.001	0.010	0.0299
3	3.43	**Chloride**	BMB	0.017	0.157	0.1396
4	6.34	**Sulfate**	BMB	0.012	0.062	0.7388
5	6.95	**Nitrate**	BMB	0.003	0.015	0.0300
TOTAL:				0.03	0.24	0.94



Peak Integration Report

Sample Name:	**L2536247-01 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:26**	*Run Time:*	**10.00**

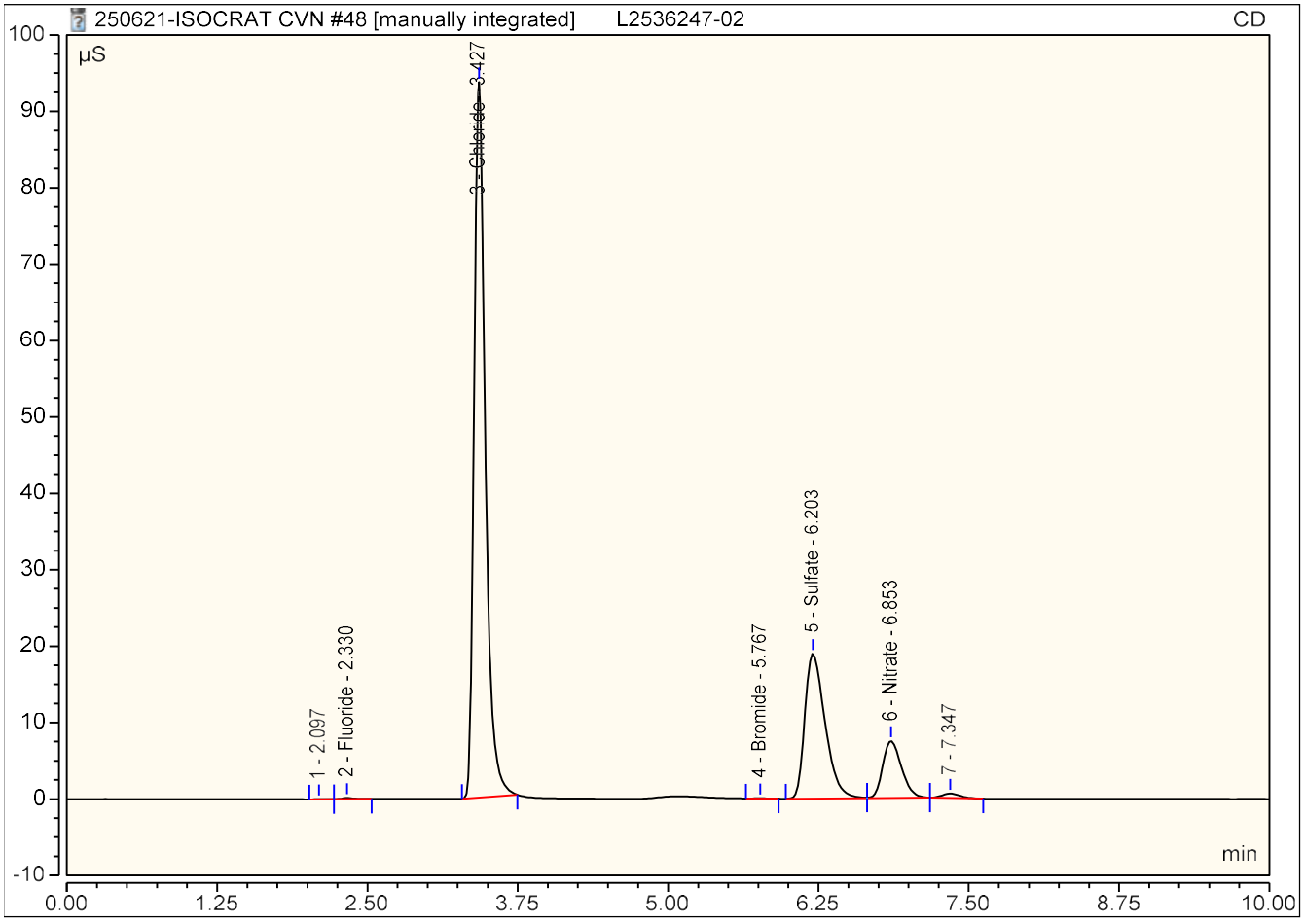
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.030	0.303	0.0814
3	3.41	**Chloride**	BMB	5.912	56.132	15.4058
4	5.76	**Bromide**	BMB	0.004	0.032	0.0687
5	6.21	**Sulfate**	BM *	5.052	24.662	17.3564
6	6.89	**Nitrate**	MB*	0.184	1.017	0.2202
TOTAL:				11.18	82.15	33.13



Peak Integration Report

Sample Name:	**L2536247-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:38**	*Run Time:*	**10.00**

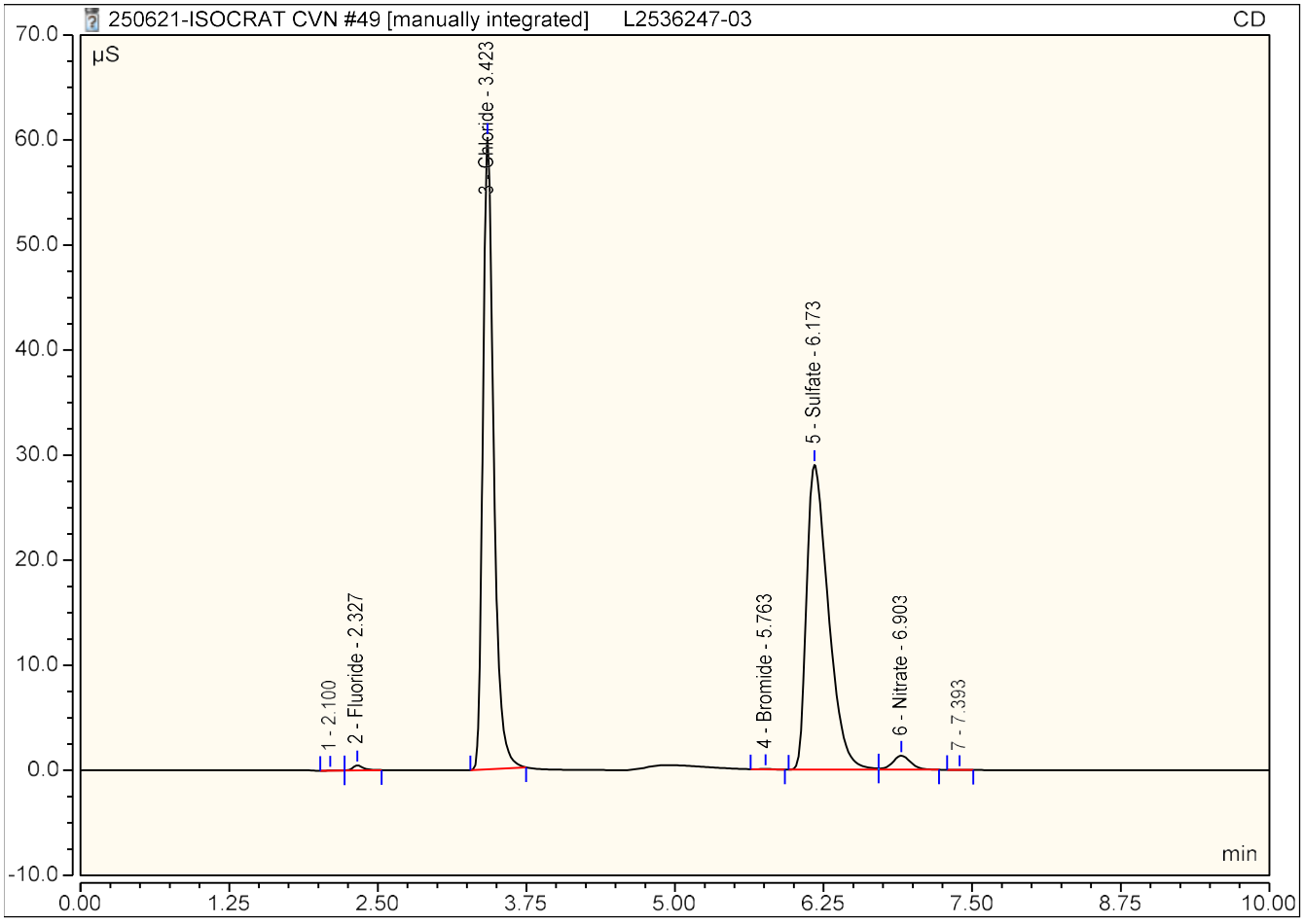
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.016	0.152	0.0553
3	3.43	**Chloride**	BMB	10.128	93.644	26.3240
4	5.77	**Bromide**	BMB	0.004	0.031	0.0670
5	6.20	**Sulfate**	BM *	3.690	18.951	12.8662
6	6.85	**Nitrate**	MB*	1.342	7.448	1.4369
TOTAL:				15.18	120.23	40.75



Peak Integration Report

Sample Name:	**L2536247-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:50**	*Run Time:*	**10.00**

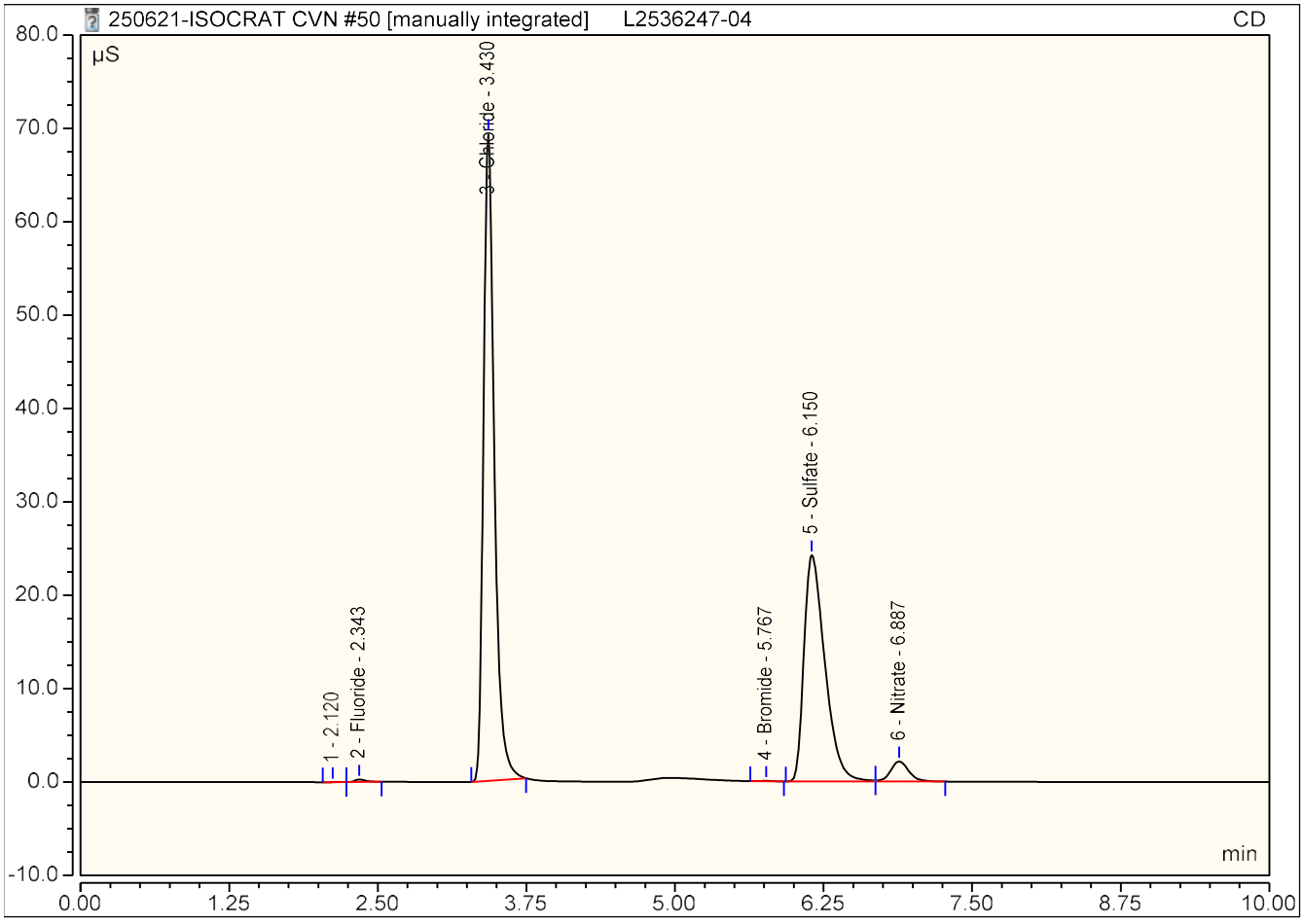
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.045	0.474	0.1090
3	3.42	**Chloride**	BMB	6.395	60.126	16.6557
4	5.76	**Bromide**	BMB	0.005	0.039	0.0766
5	6.17	**Sulfate**	BM *	6.167	29.012	21.0356
6	6.90	**Nitrate**	MB*	0.239	1.334	0.2775
TOTAL:				12.85	90.99	38.15



Peak Integration Report

Sample Name:	**L2536247-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:02**	*Run Time:*	**10.00**

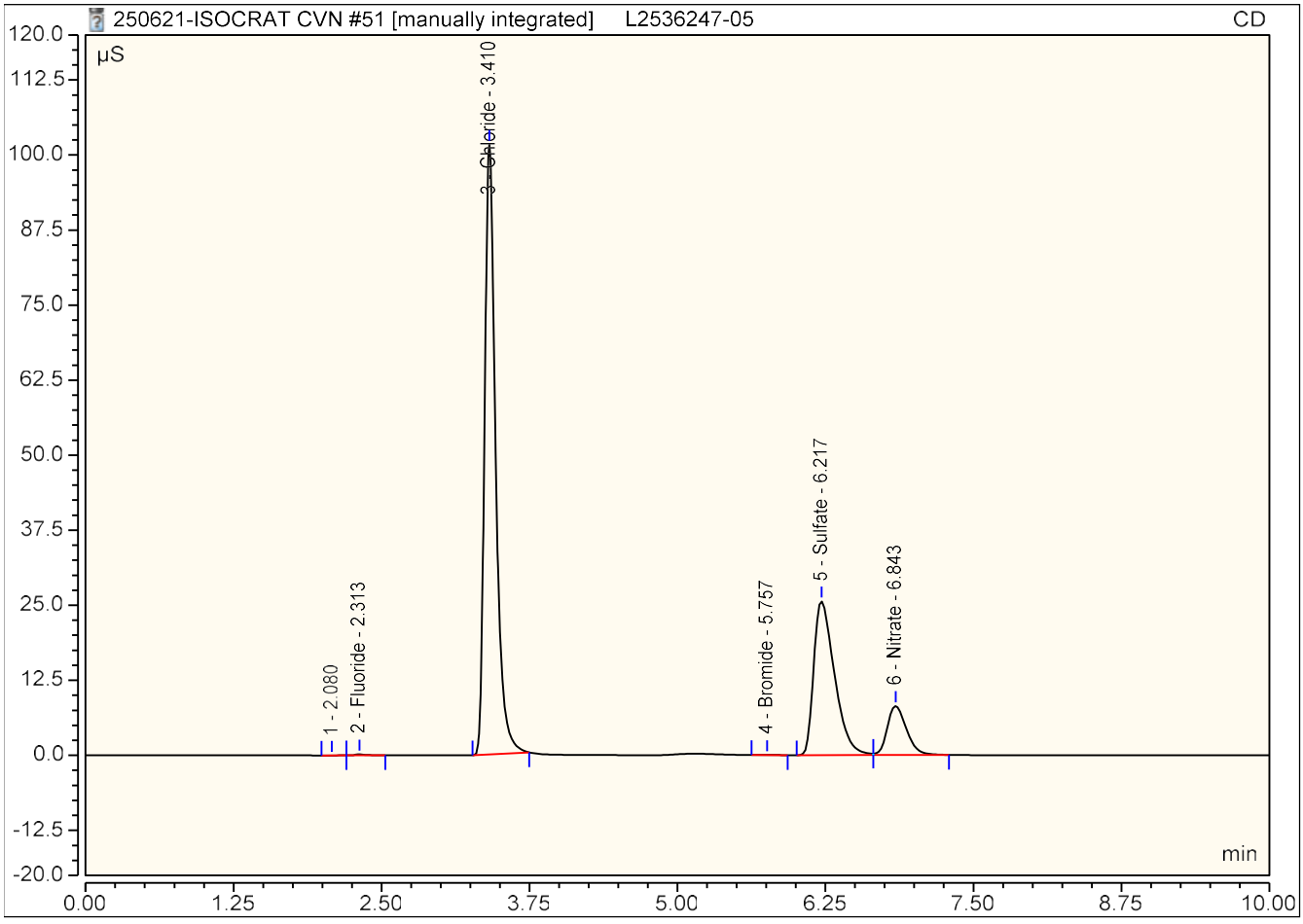
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.026	0.267	0.0742
3	3.43	**Chloride**	BMB	7.347	69.291	19.1217
4	5.77	**Bromide**	BMB	0.006	0.048	0.0833
5	6.15	**Sulfate**	BM *	4.952	24.235	17.0265
6	6.89	**Nitrate**	MB*	0.384	2.163	0.4304
TOTAL:				12.71	96.00	36.74



Peak Integration Report

Sample Name:	**L2536247-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:14**	*Run Time:*	**10.00**

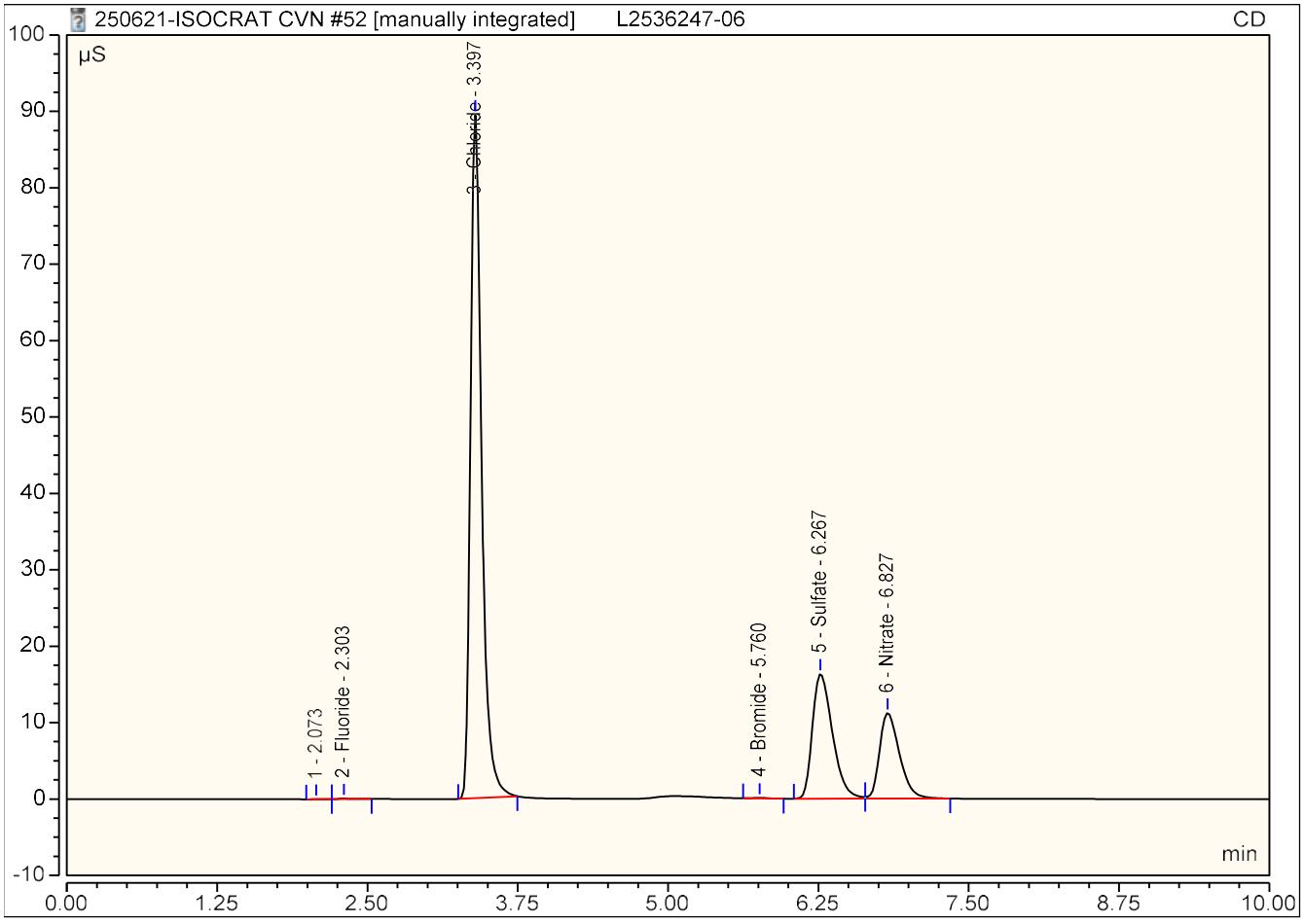
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.016	0.159	0.0569
3	3.41	**Chloride**	BMB	10.928	101.583	28.3957
4	5.76	**Bromide**	BMB	0.005	0.034	0.0709
5	6.22	**Sulfate**	BM *	5.217	25.635	17.9017
6	6.84	**Nitrate**	MB*	1.530	8.171	1.6336
TOTAL:				17.70	135.58	48.06



Peak Integration Report

Sample Name:	**L2536247-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:27**	*Run Time:*	**10.00**

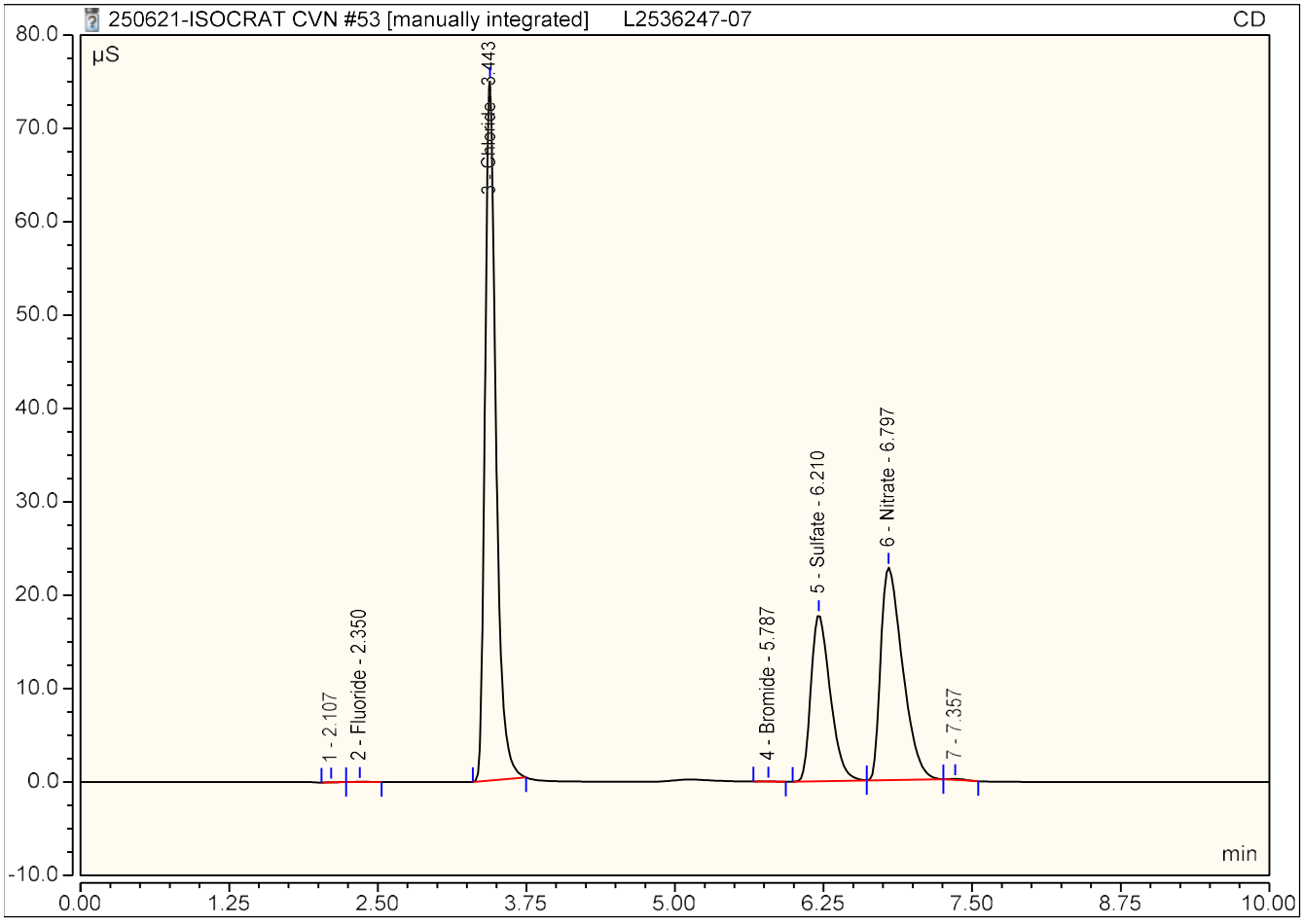
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.008	0.066	0.0409
3	3.40	**Chloride**	BMB	9.582	89.431	24.9094
4	5.76	**Bromide**	BMB	0.010	0.070	0.1080
5	6.27	**Sulfate**	BM *	3.151	16.334	11.0893
6	6.83	**Nitrate**	MB*	2.148	11.198	2.2832
TOTAL:				14.90	117.10	38.43



Peak Integration Report

Sample Name:	**L2536247-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:39**	*Run Time:*	**10.00**

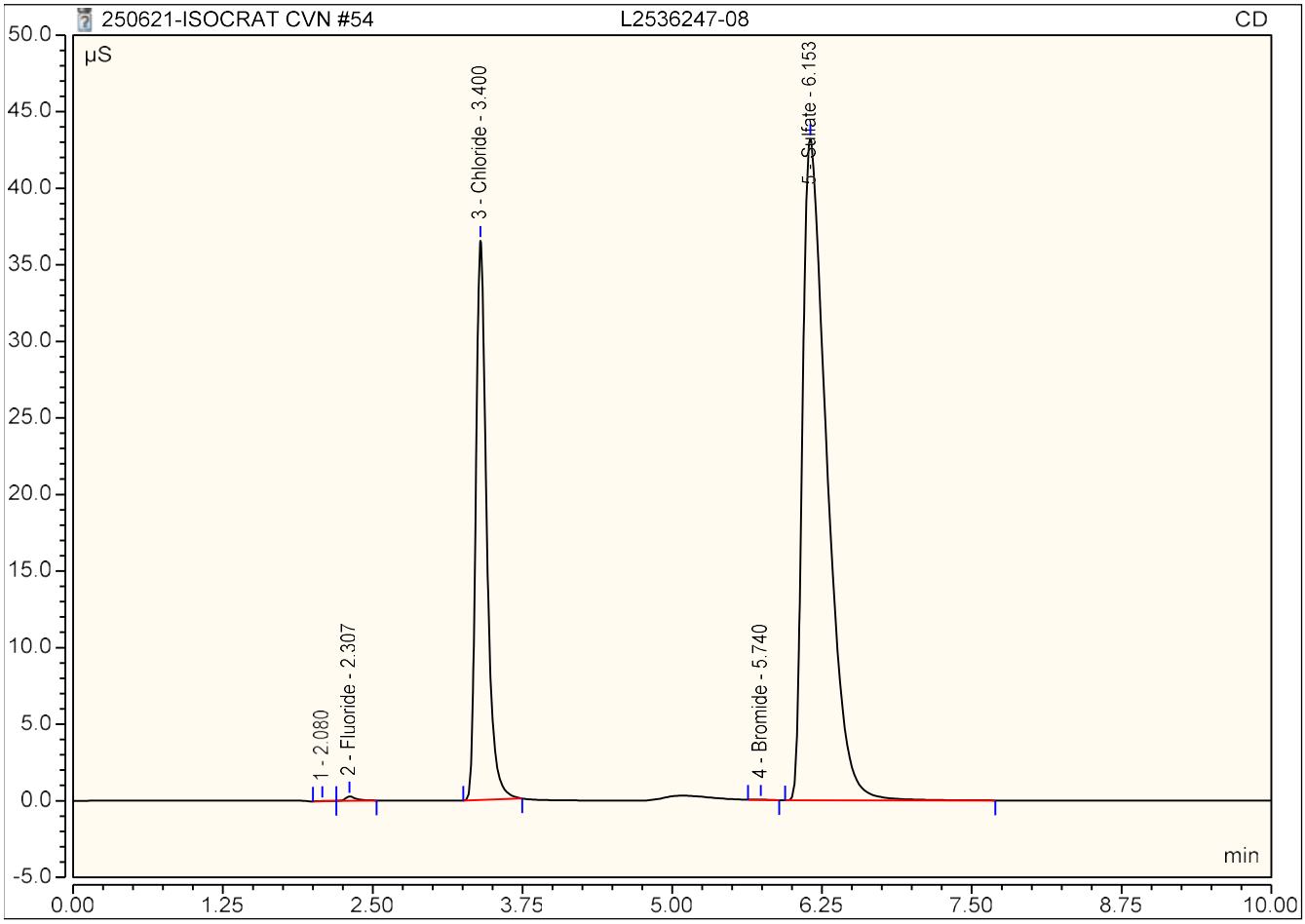
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.35	**Fluoride**	BMB	0.005	0.046	0.0366
3	3.44	**Chloride**	BMB	8.086	74.853	21.0346
4	5.79	**Bromide**	BMB	0.003	0.027	0.0633
5	6.21	**Sulfate**	BM *	3.364	17.837	11.7904
6	6.80	**Nitrate**	MB*	4.865	22.777	5.1374
TOTAL:				16.32	115.54	38.06



Peak Integration Report

Sample Name:	**L2536247-08**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:51**	*Run Time:*	**10.00**

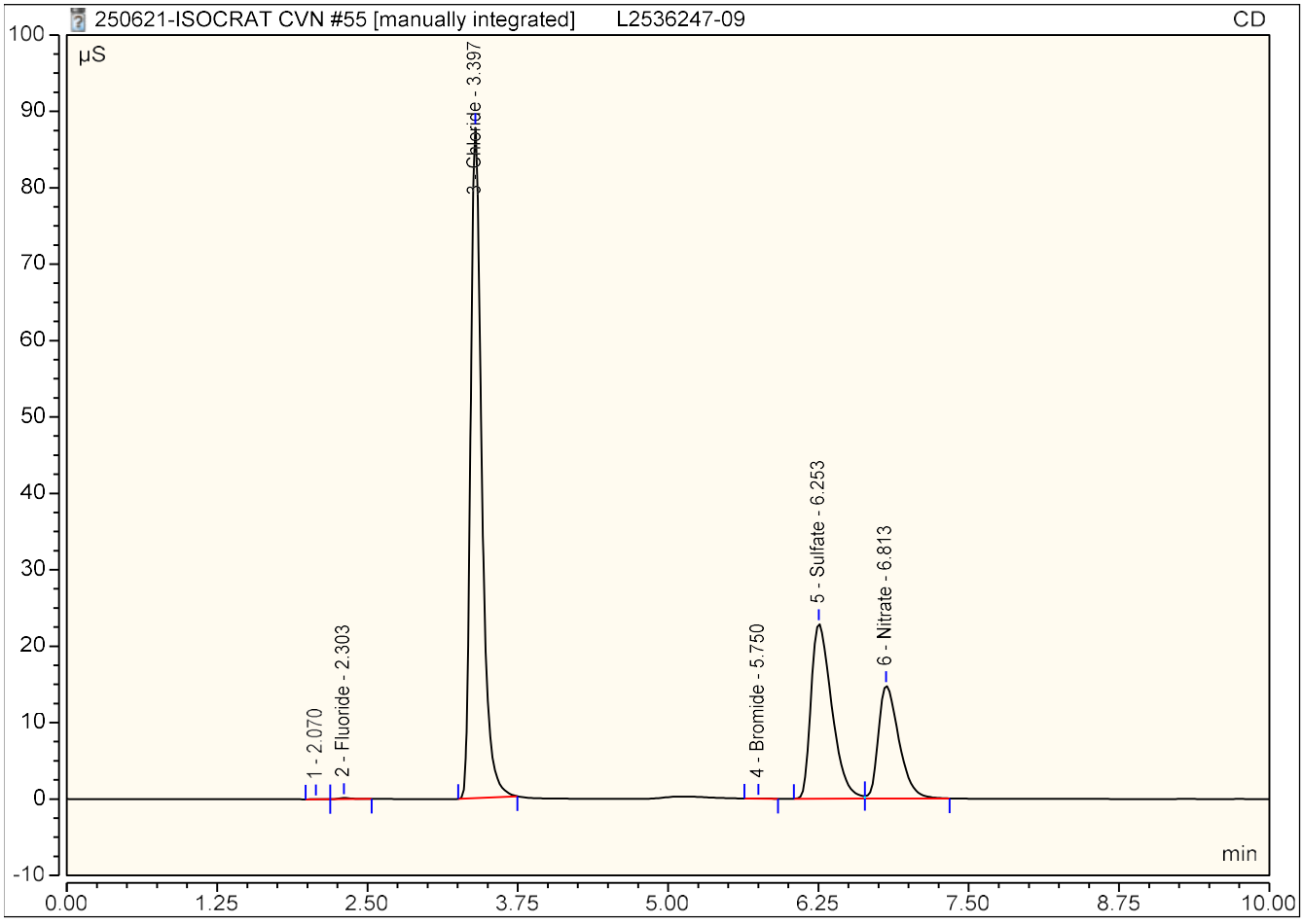
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.028	0.286	0.0783
3	3.40	**Chloride**	BMB	3.856	36.521	10.0824
4	5.74	**Bromide**	BMB	0.002	0.018	0.0548
5	6.15	**Sulfate**	BMB	10.105	43.194	34.0199
TOTAL:				13.99	80.02	44.24



Peak Integration Report

Sample Name:	**L2536247-09**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:03**	*Run Time:*	**10.00**

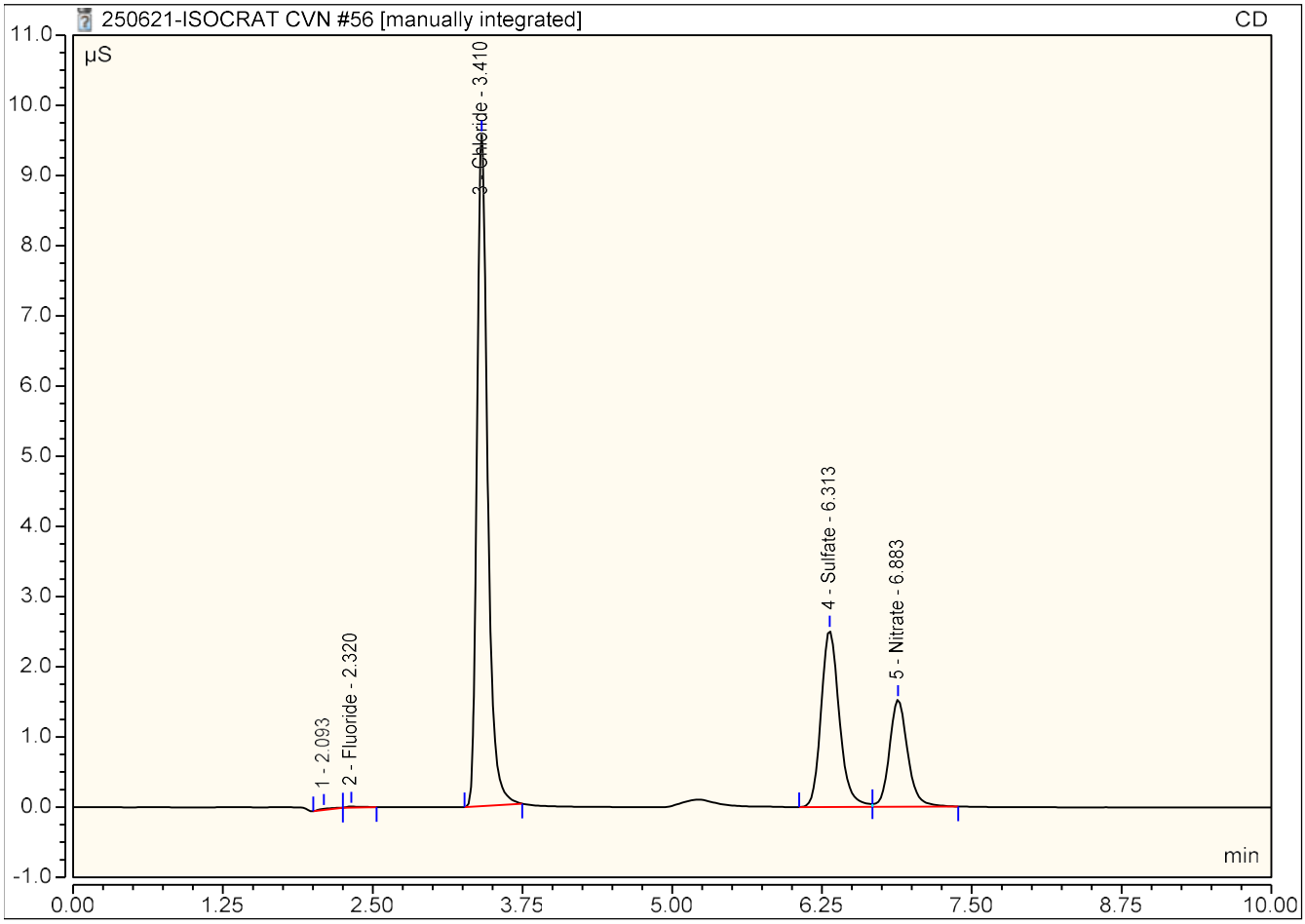
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.016	0.157	0.0567
3	3.40	**Chloride**	BMB	9.450	87.758	24.5676
4	5.75	**Bromide**	BMB	0.003	0.023	0.0590
5	6.25	**Sulfate**	BM *	4.585	22.889	15.8165
6	6.81	**Nitrate**	MB*	2.933	14.753	3.1075
TOTAL:				16.99	125.58	43.61



Peak Integration Report

Sample Name:	**XL2536247-09; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:15**	*Run Time:*	**10.00**

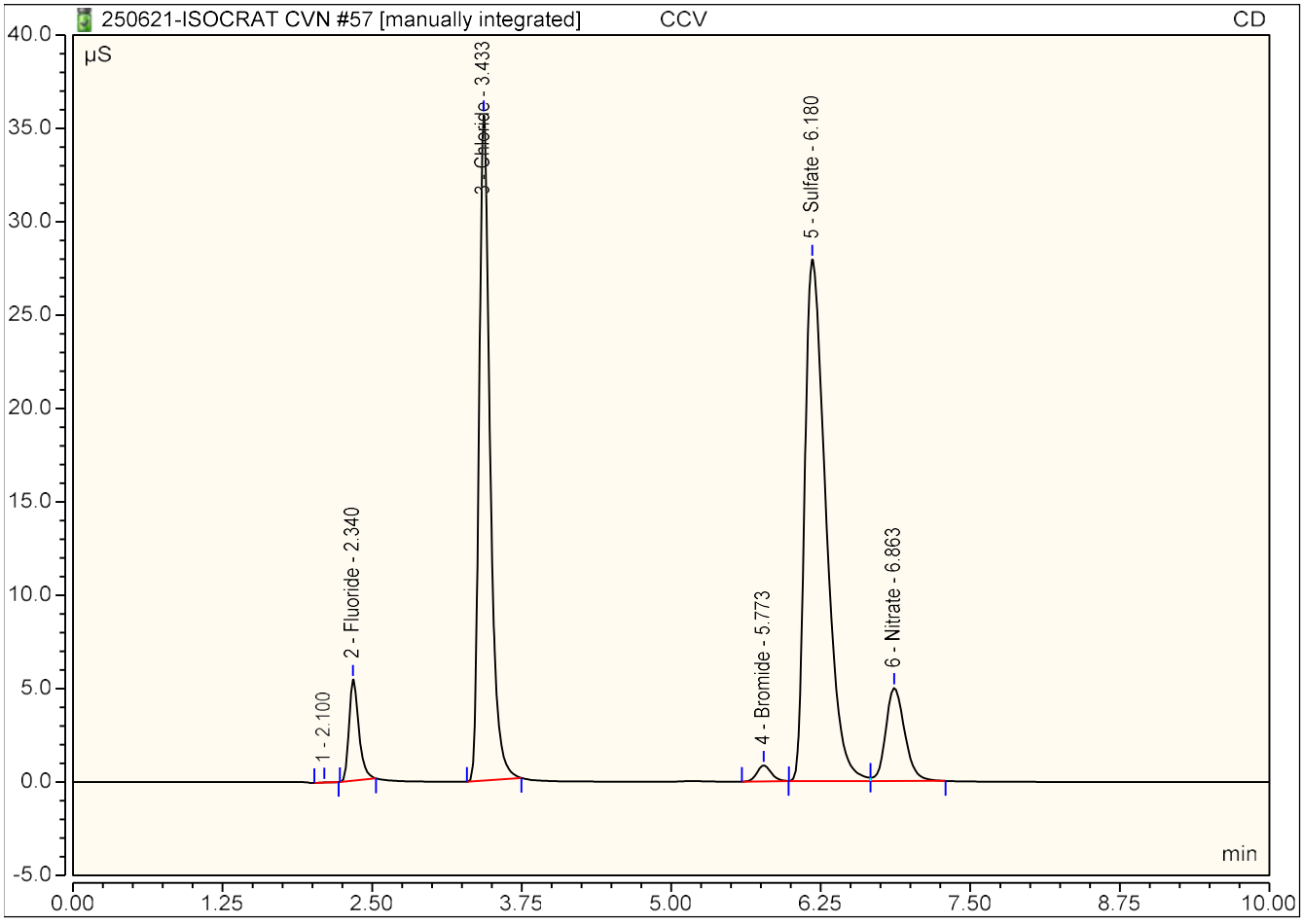
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.002	0.016	0.3110
3	3.41	**Chloride**	BMB	0.988	9.563	26.5483
4	6.31	**Sulfate**	BM *	0.443	2.515	21.5857
5	6.88	**Nitrate**	MB*	0.269	1.523	3.0927
TOTAL:				1.70	13.62	51.54



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:27**	*Run Time:*	**10.00**

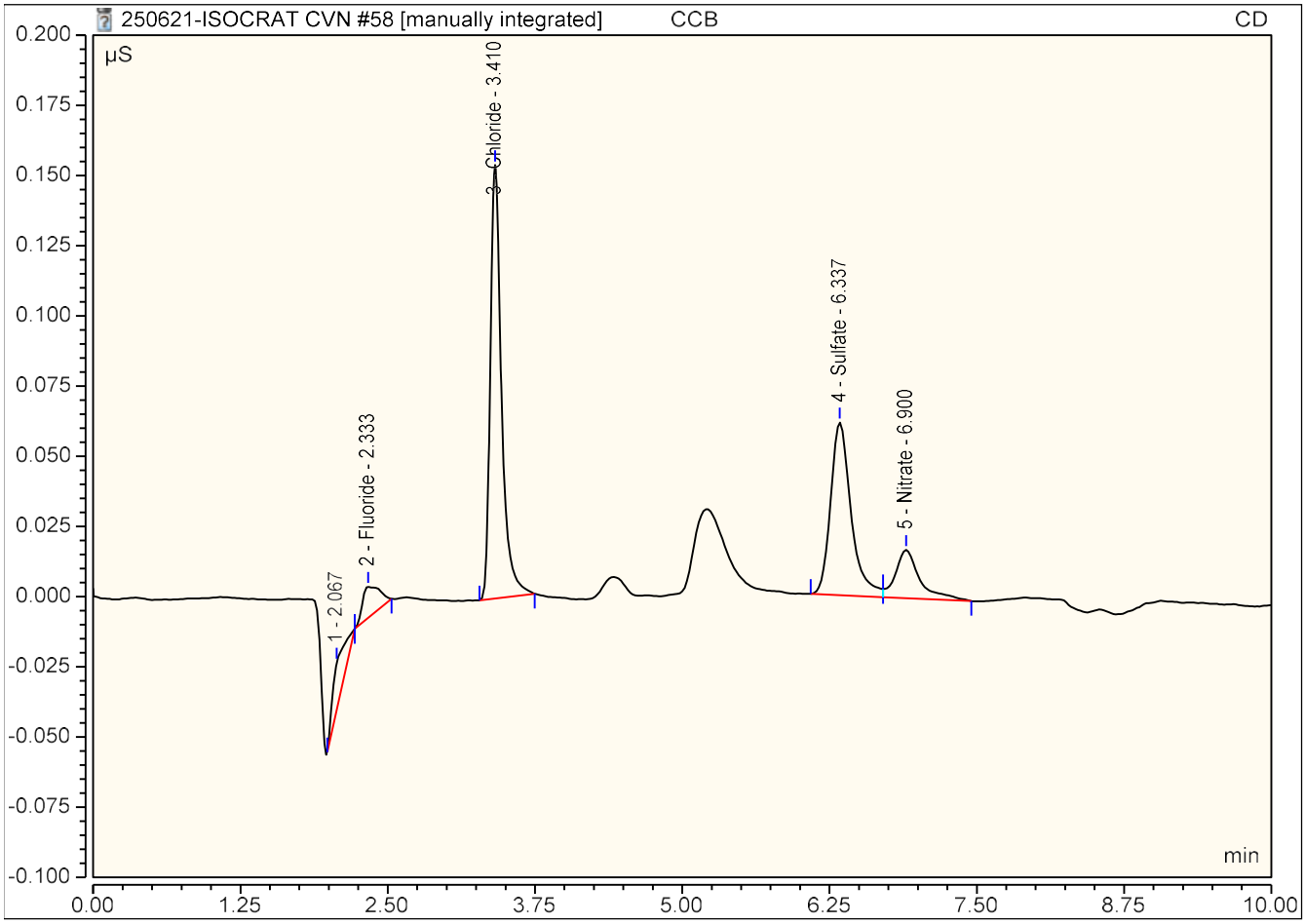
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.515	5.416	0.9555
3	3.43	**Chloride**	BMB	3.808	35.632	9.9566
4	5.77	**Bromide**	BMB	0.117	0.855	0.9065
5	6.18	**Sulfate**	BM *	5.687	27.927	19.4505
6	6.86	**Nitrate**	MB*	0.917	4.987	0.9903
TOTAL:				11.04	74.82	32.26



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:39**	*Run Time:*	**10.00**

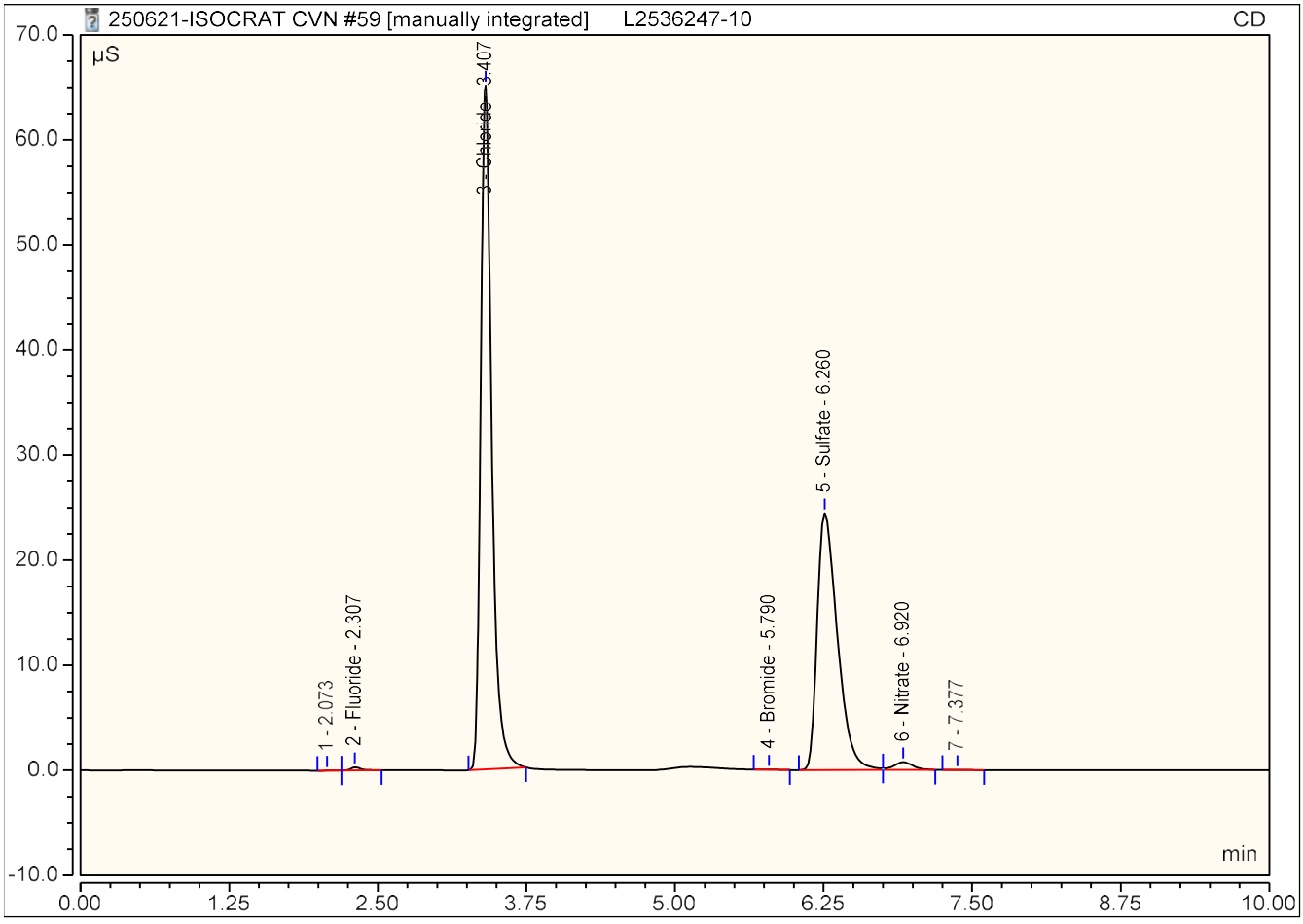
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.002	0.011	0.0306
3	3.41	**Chloride**	BMB	0.017	0.154	0.1390
4	6.34	**Sulfate**	BM *	0.012	0.062	0.7387
5	6.90	**Nitrate**	MB*	0.004	0.017	0.0311
TOTAL:				0.04	0.24	0.94



Peak Integration Report

Sample Name:	**L2536247-10**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:51**	*Run Time:*	**10.00**

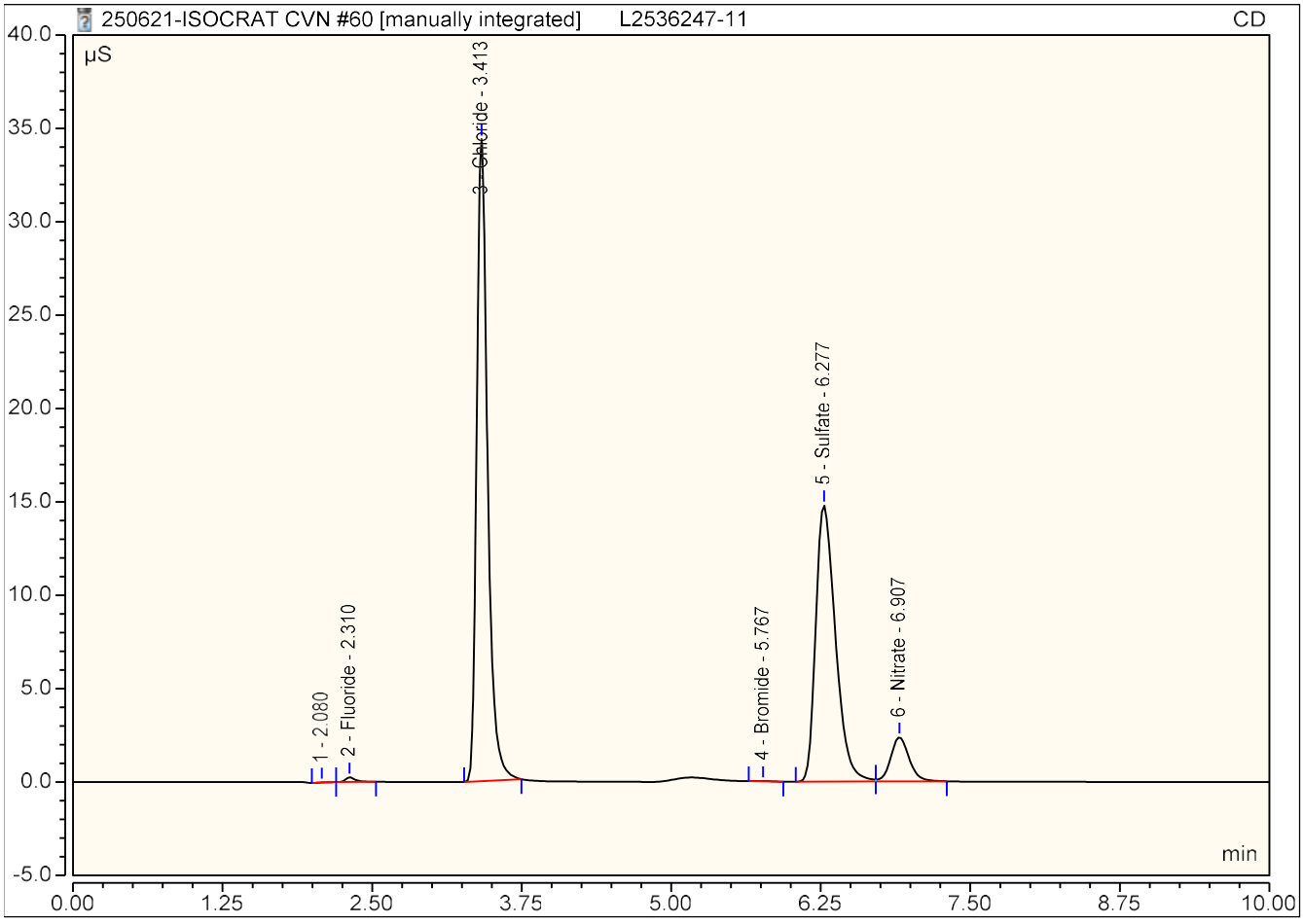
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.030	0.306	0.0807
3	3.41	**Chloride**	BMB	6.996	65.104	18.2126
4	5.79	**Bromide**	BMB	0.004	0.034	0.0707
5	6.26	**Sulfate**	BM *	4.803	24.453	16.5353
6	6.92	**Nitrate**	MB*	0.136	0.740	0.1696
TOTAL:				11.97	90.64	35.07



Peak Integration Report

Sample Name:	**L2536247-11**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:03**	*Run Time:*	**10.00**

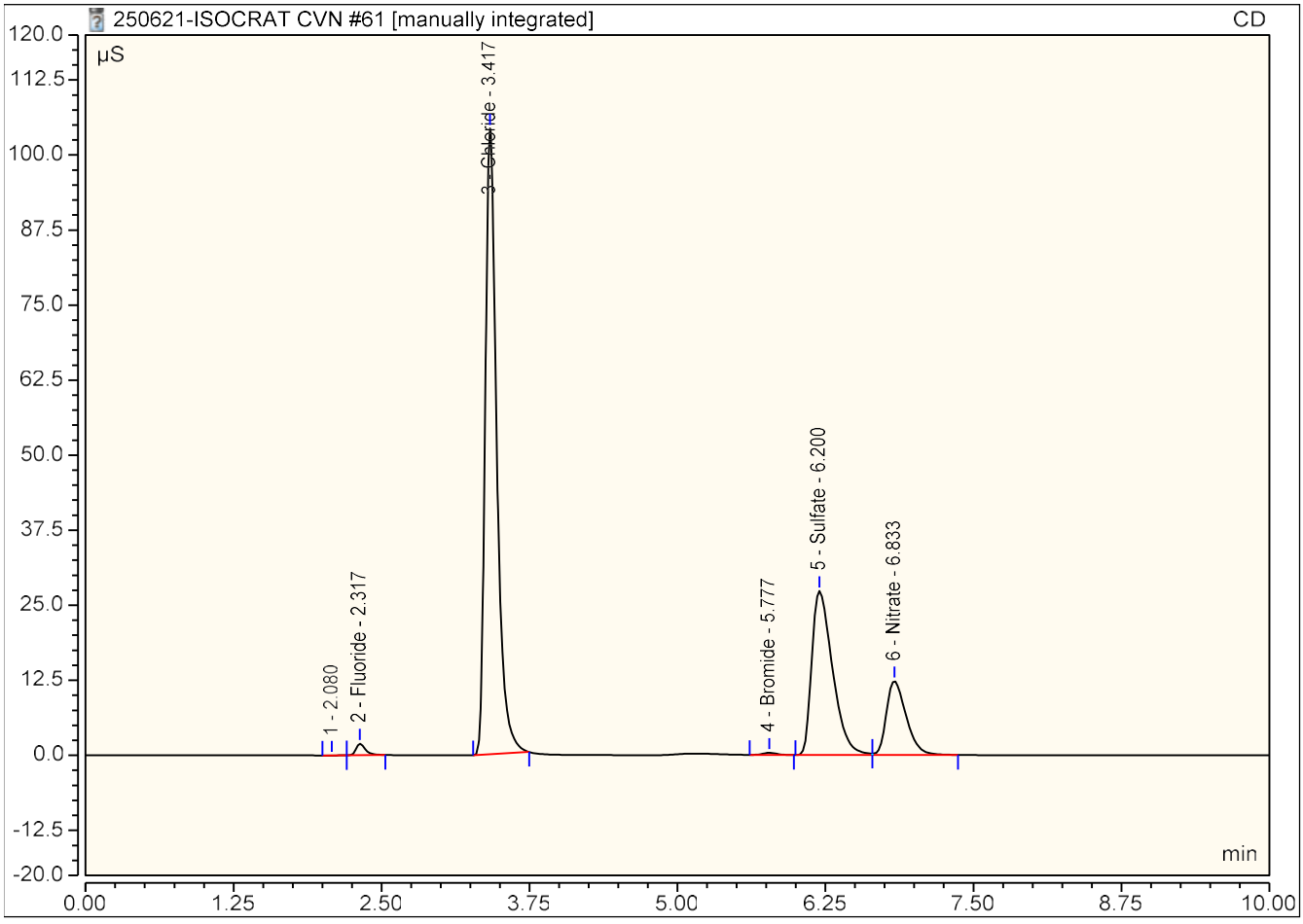
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.025	0.252	0.0719
3	3.41	**Chloride**	BMB	3.634	34.374	9.5065
4	5.77	**Bromide**	BMB	0.002	0.018	0.0553
5	6.28	**Sulfate**	BM *	2.824	14.806	10.0117
6	6.91	**Nitrate**	MB*	0.425	2.366	0.4730
TOTAL:				6.91	51.81	20.12



Peak Integration Report

Sample Name:	**L2536247-12 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:15**	*Run Time:*	**10.00**

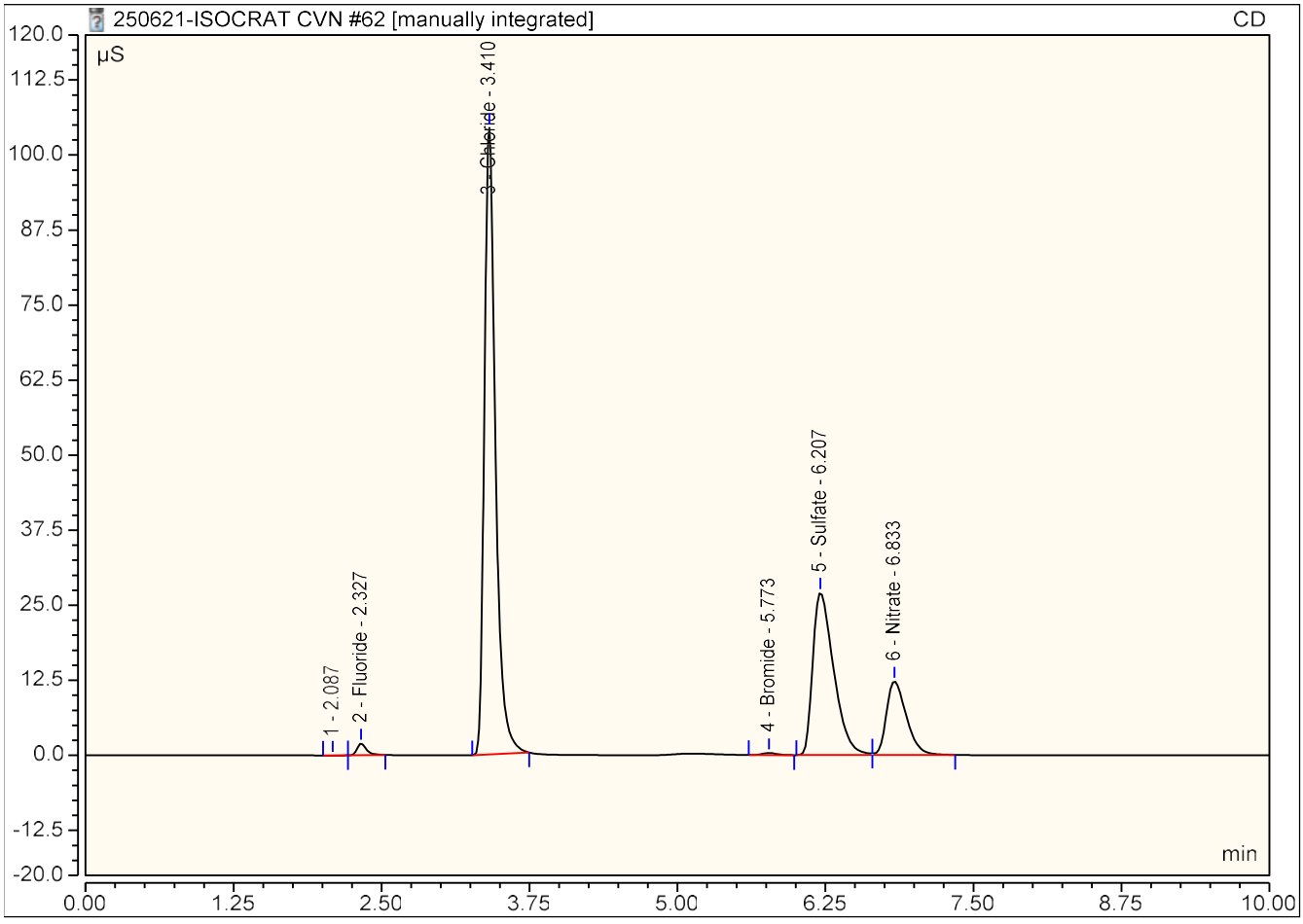
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.179	1.944	0.3506
3	3.42	**Chloride**	BMB	11.727	104.228	30.4643
4	5.78	**Bromide**	BMB	0.049	0.359	0.4020
5	6.20	**Sulfate**	BM *	5.565	27.314	19.0476
6	6.83	**Nitrate**	MB*	2.390	12.294	2.5373
TOTAL:				19.91	146.14	52.80



Peak Integration Report

Sample Name:	**L2536247-12 MSD**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:27**	*Run Time:*	**10.00**

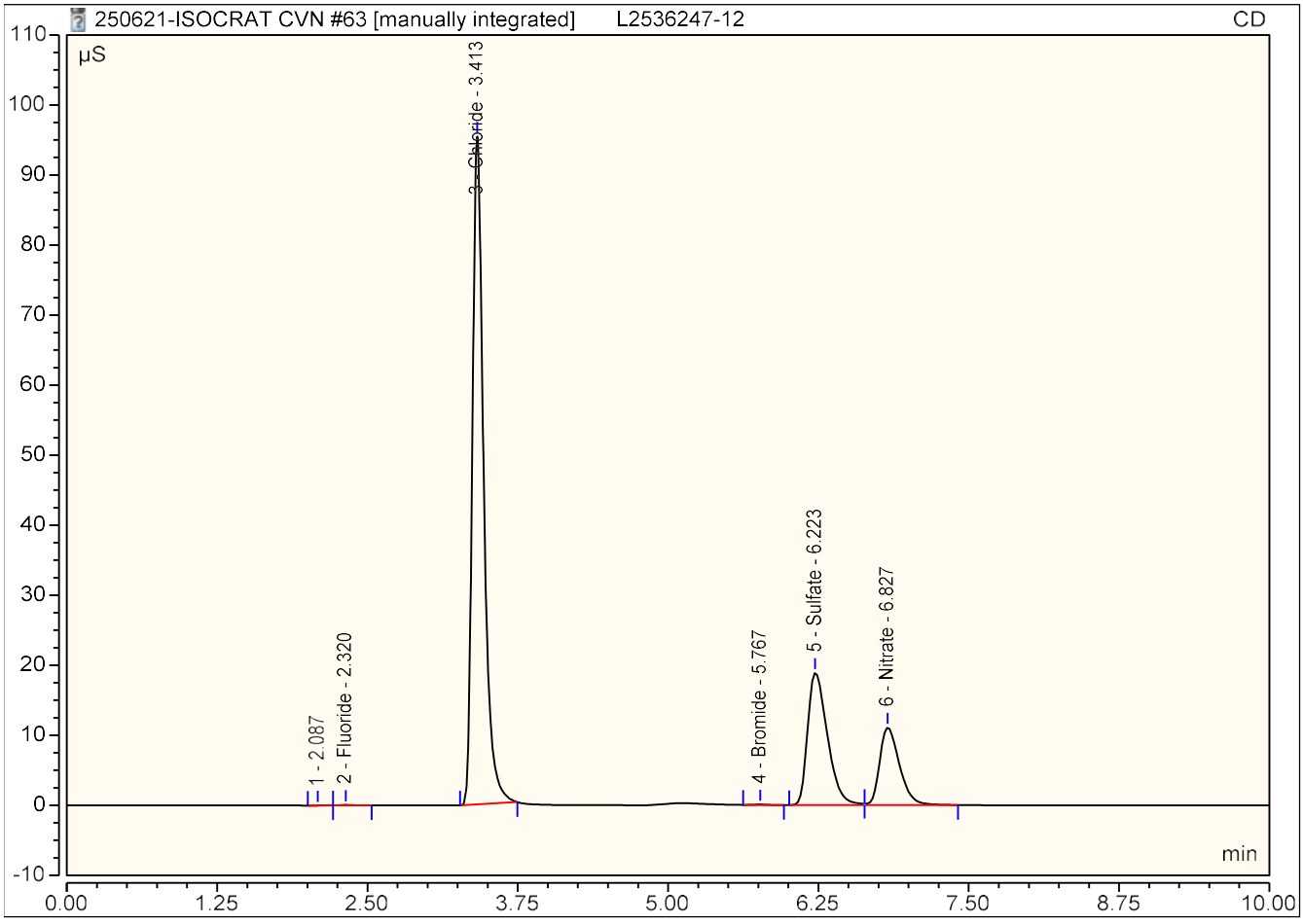
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.179	1.960	0.3499
3	3.41	**Chloride**	BMB	11.319	104.370	29.4076
4	5.77	**Bromide**	BMB	0.048	0.345	0.3960
5	6.21	**Sulfate**	BM *	5.554	27.060	19.0135
6	6.83	**Nitrate**	MB*	2.395	12.264	2.5423
TOTAL:				19.49	146.00	51.71



Peak Integration Report

Sample Name:	**L2536247-12**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:39**	*Run Time:*	**10.00**

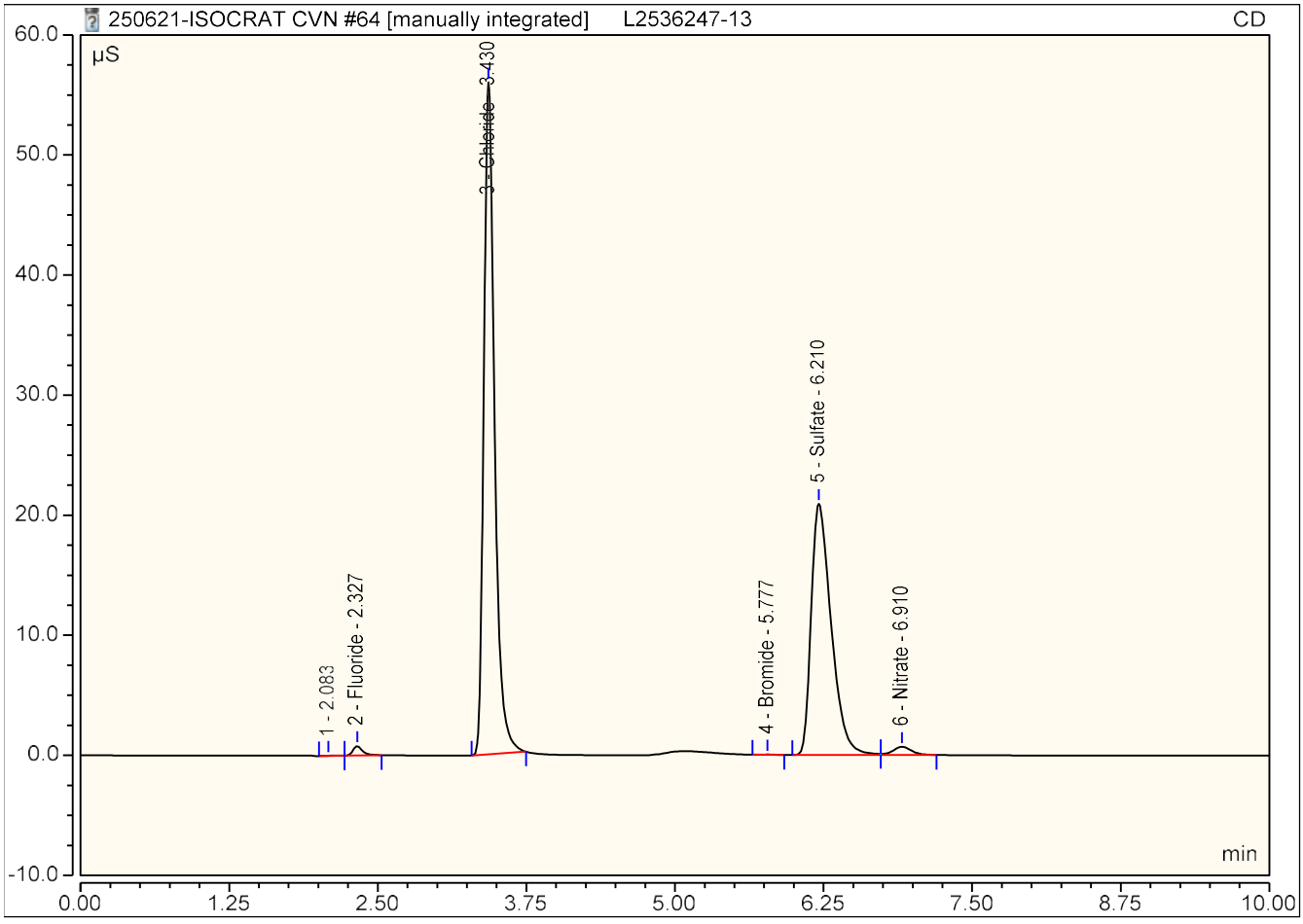
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.009	0.085	0.0435
3	3.41	**Chloride**	BMB	10.304	95.348	26.7799
4	5.77	**Bromide**	BMB	0.010	0.071	0.1082
5	6.22	**Sulfate**	BM *	3.606	18.908	12.5895
6	6.83	**Nitrate**	MB*	2.113	11.083	2.2467
TOTAL:				16.04	125.50	41.77



Peak Integration Report

Sample Name:	**L2536247-13**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:52**	*Run Time:*	**10.00**

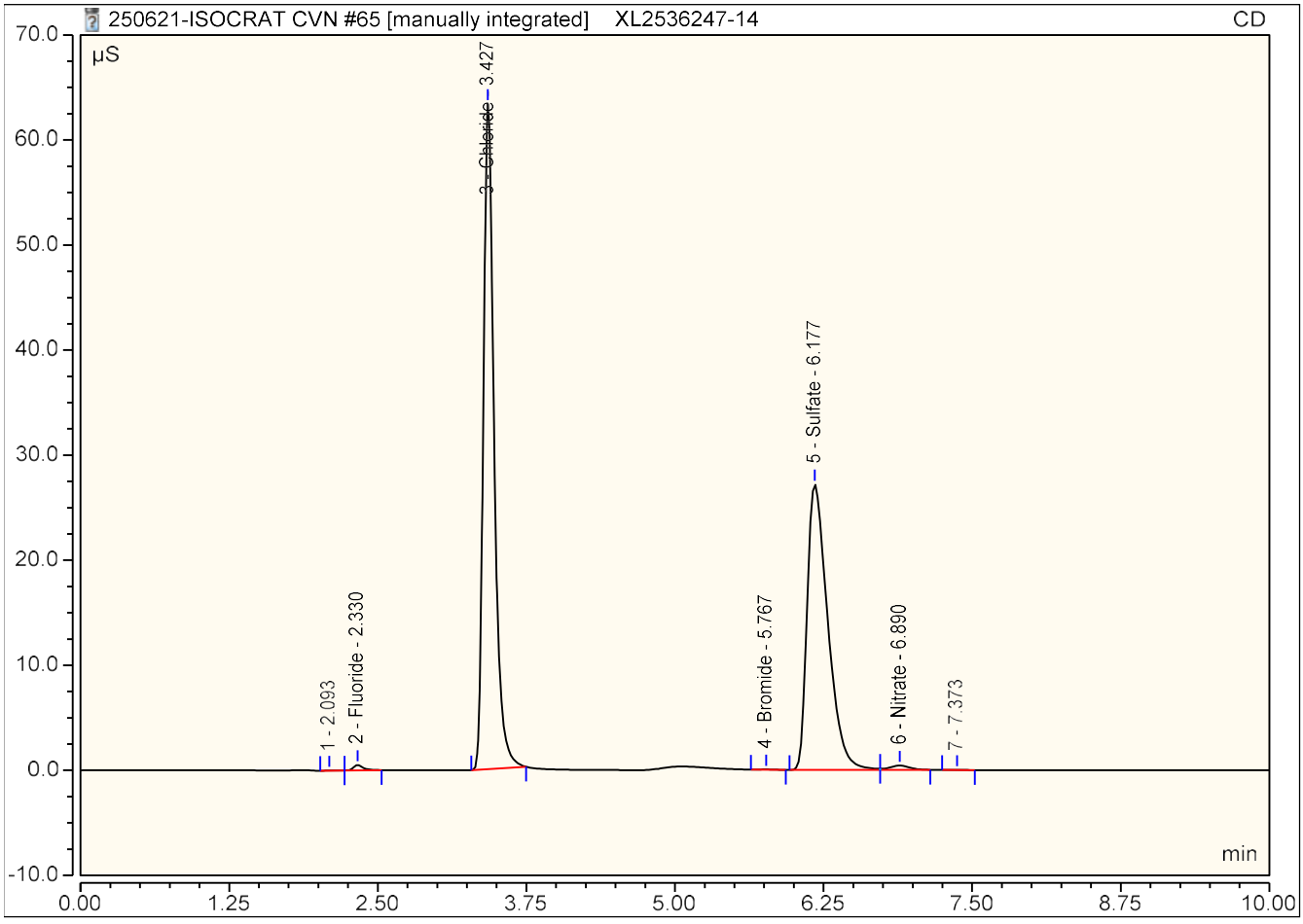
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.072	0.791	0.1569
3	3.43	**Chloride**	BMB	5.867	55.965	15.2884
4	5.78	**Bromide**	BMB	0.004	0.030	0.0656
5	6.21	**Sulfate**	BM *	4.082	20.932	14.1601
6	6.91	**Nitrate**	MB*	0.124	0.688	0.1576
TOTAL:				10.15	78.41	29.83



Peak Integration Report

Sample Name:	**XL2536247-14**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:04**	*Run Time:*	**10.00**

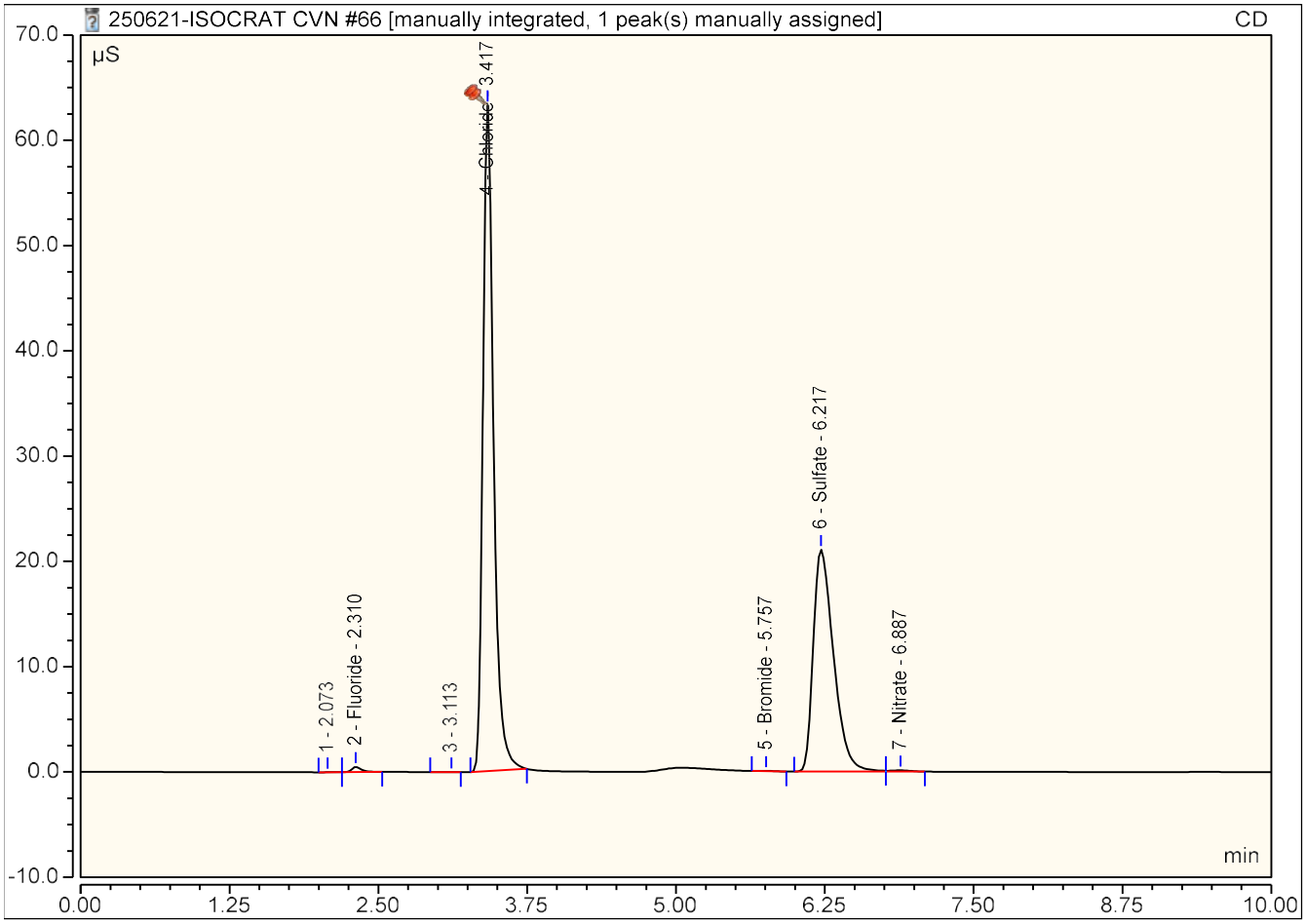
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.047	0.521	0.1128
3	3.43	**Chloride**	BMB	6.629	63.336	17.2635
4	5.77	**Bromide**	BMB	0.005	0.035	0.0710
5	6.18	**Sulfate**	BM *	5.467	27.187	18.7273
6	6.89	**Nitrate**	MB*	0.078	0.420	0.1088
TOTAL:				12.23	91.50	36.28



Peak Integration Report

Sample Name:	**XL2536247-15**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:16**	*Run Time:*	**10.00**

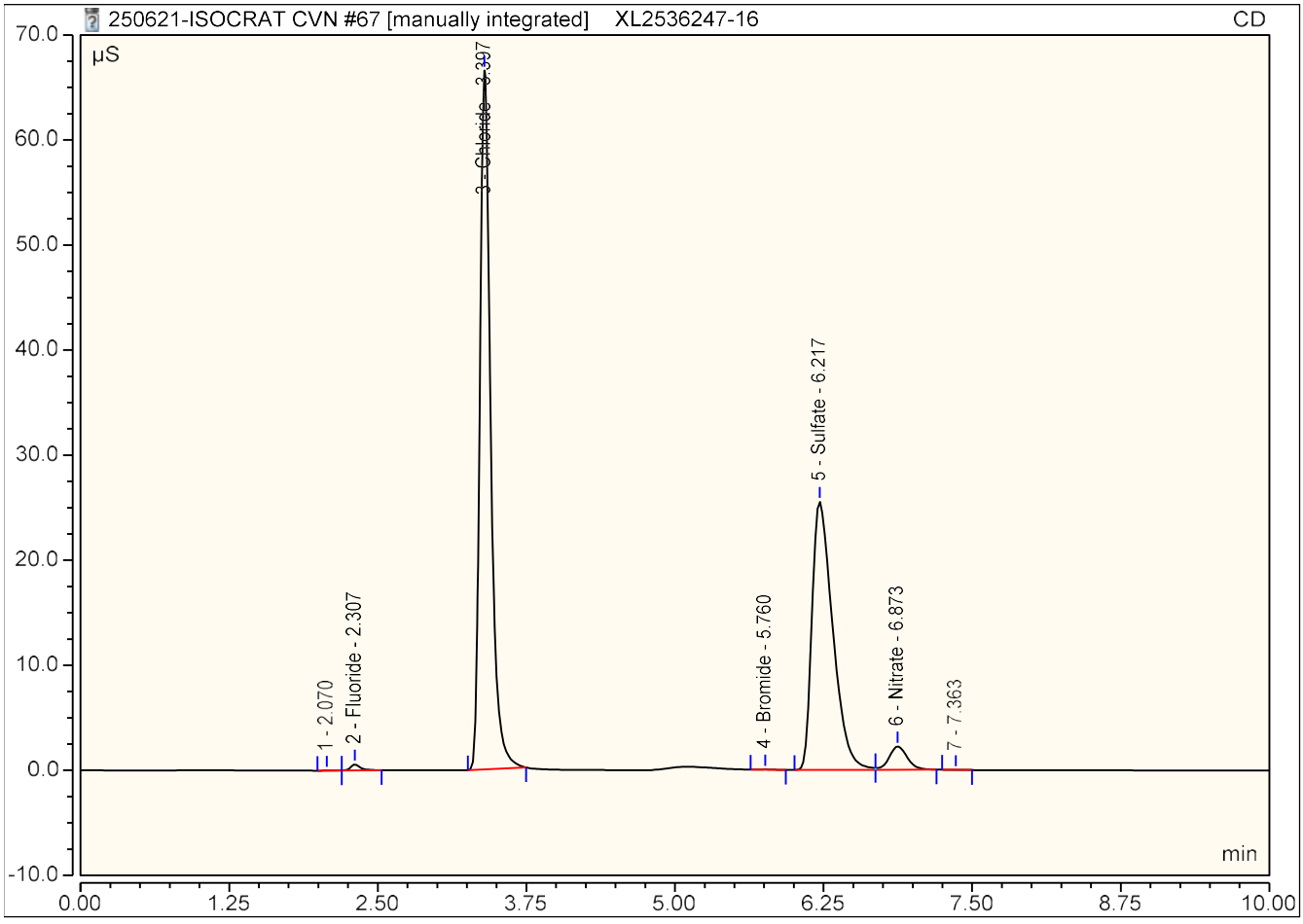
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.045	0.485	0.1077
4	3.42	**Chloride**	BMB^	6.583	63.256	17.1438
5	5.76	**Bromide**	BMB	0.005	0.041	0.0771
6	6.22	**Sulfate**	BM *	4.165	21.073	14.4309
7	6.89	**Nitrate**	MB*	0.023	0.119	0.0510
TOTAL:				10.82	84.97	31.81



Peak Integration Report

Sample Name:	**XL2536247-16**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:28**	*Run Time:*	**10.00**

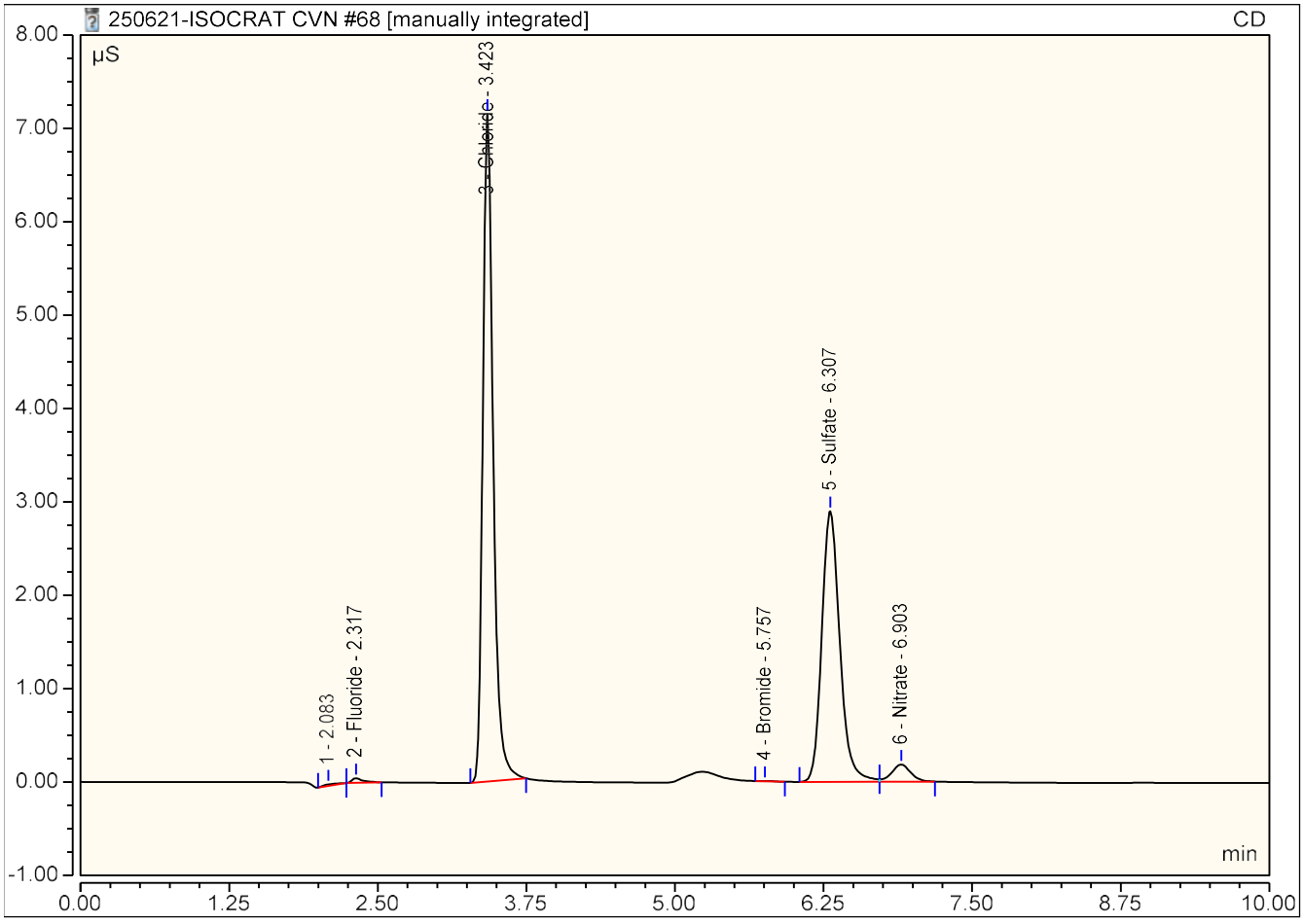
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.052	0.571	0.1208
3	3.40	**Chloride**	BMB	6.978	66.538	18.1666
4	5.76	**Bromide**	BMB	0.004	0.032	0.0680
5	6.22	**Sulfate**	BM *	5.185	25.535	17.7952
6	6.87	**Nitrate**	MB*	0.393	2.223	0.4397
TOTAL:				12.61	94.90	36.59



Peak Integration Report

Sample Name:	**XL2536247-16; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:40**	*Run Time:*	**10.00**

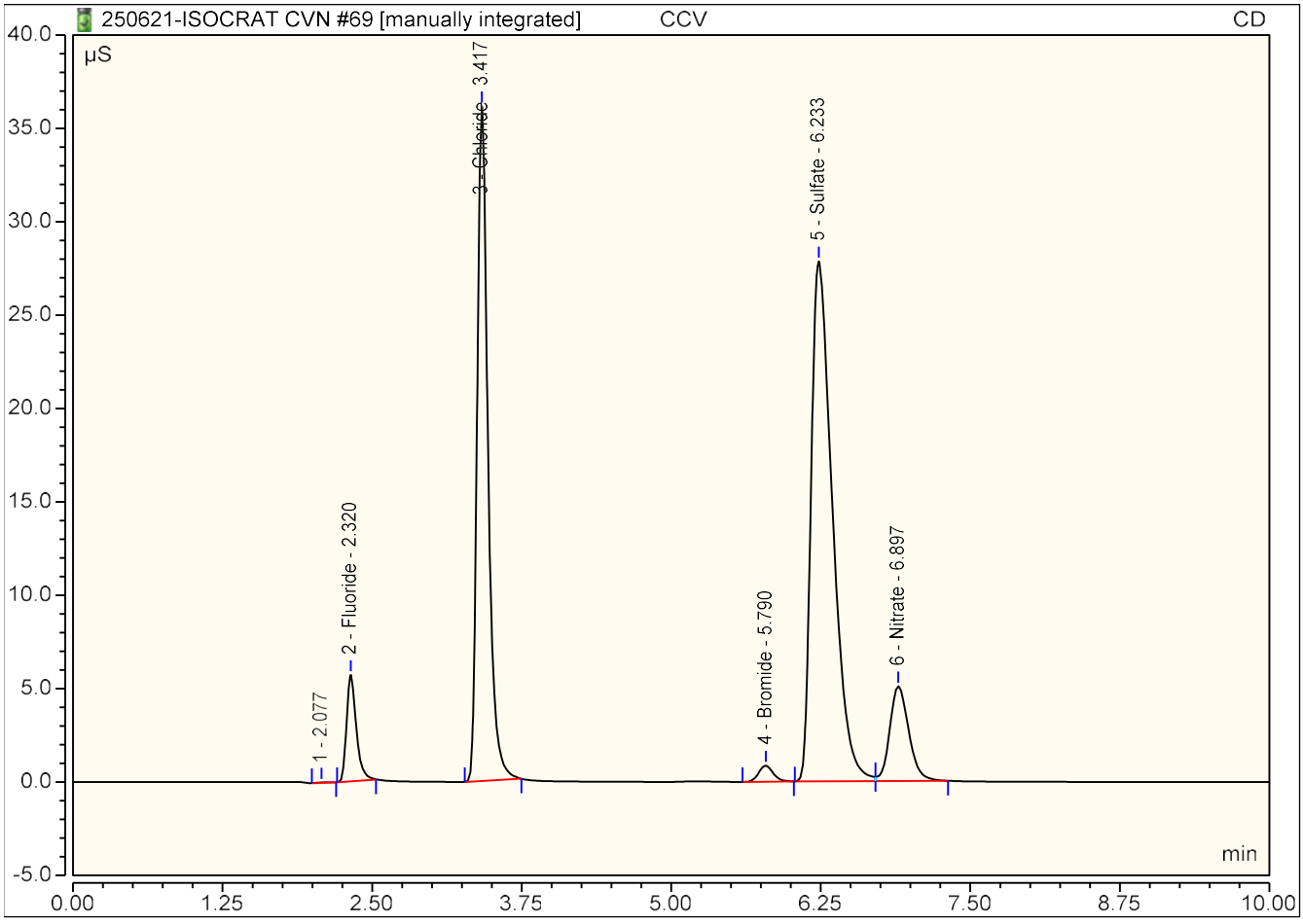
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.005	0.050	0.3708
3	3.42	**Chloride**	BMB	0.724	7.148	19.7154
4	5.76	**Bromide**	BMB	0.000	0.003	0.4011
5	6.31	**Sulfate**	BM *	0.508	2.898	23.7169
6	6.90	**Nitrate**	MB*	0.034	0.184	0.6273
TOTAL:				1.27	10.28	44.83



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:52**	*Run Time:*	**10.00**

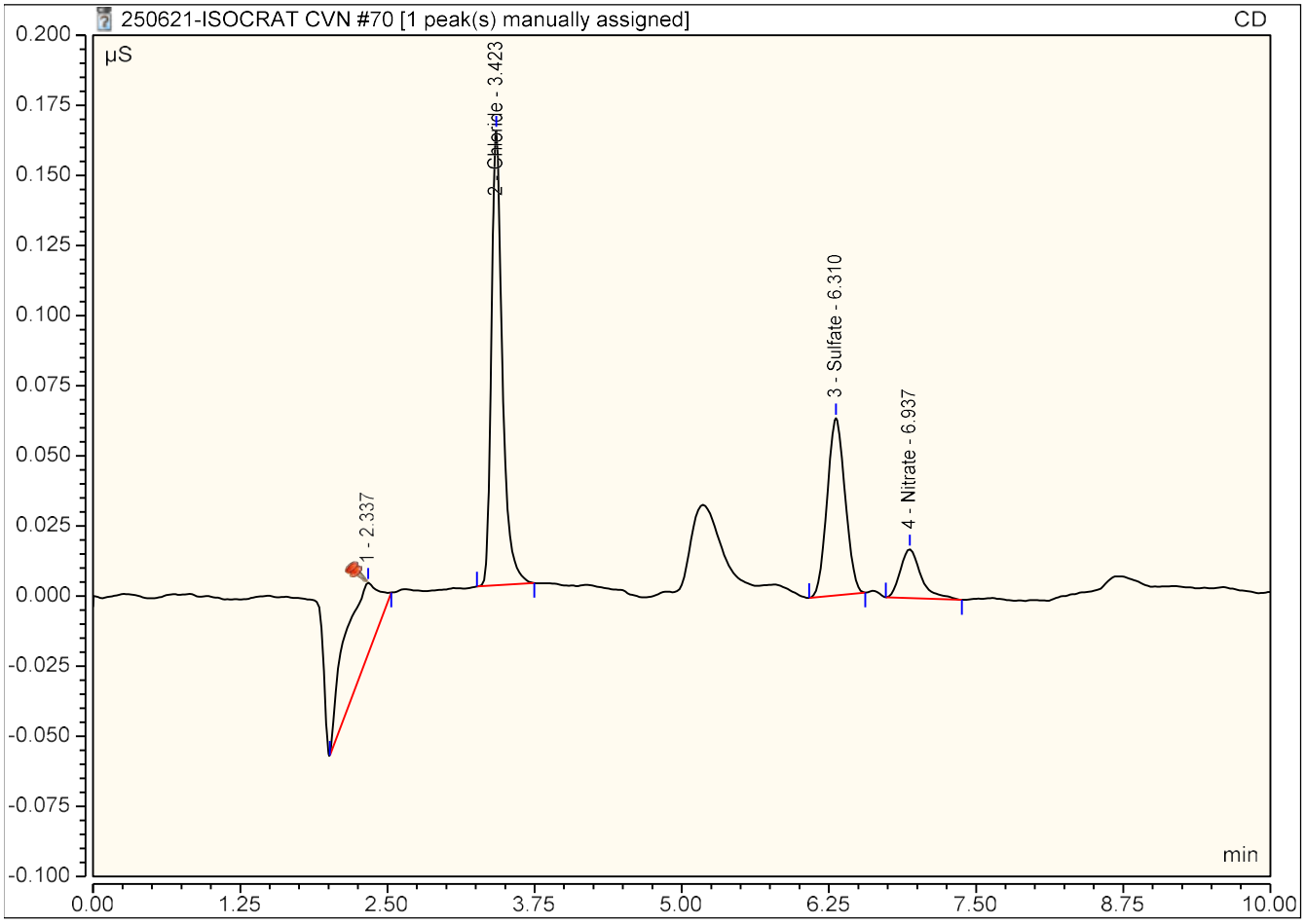
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.530	5.686	0.9825
3	3.42	**Chloride**	BMB	3.788	36.124	9.9052
4	5.79	**Bromide**	BMB	0.122	0.865	0.9392
5	6.23	**Sulfate**	BM *	5.737	27.846	19.6158
6	6.90	**Nitrate**	MB*	0.935	5.068	1.0088
TOTAL:				11.11	75.59	32.45



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:04**	*Run Time:*	**10.00**

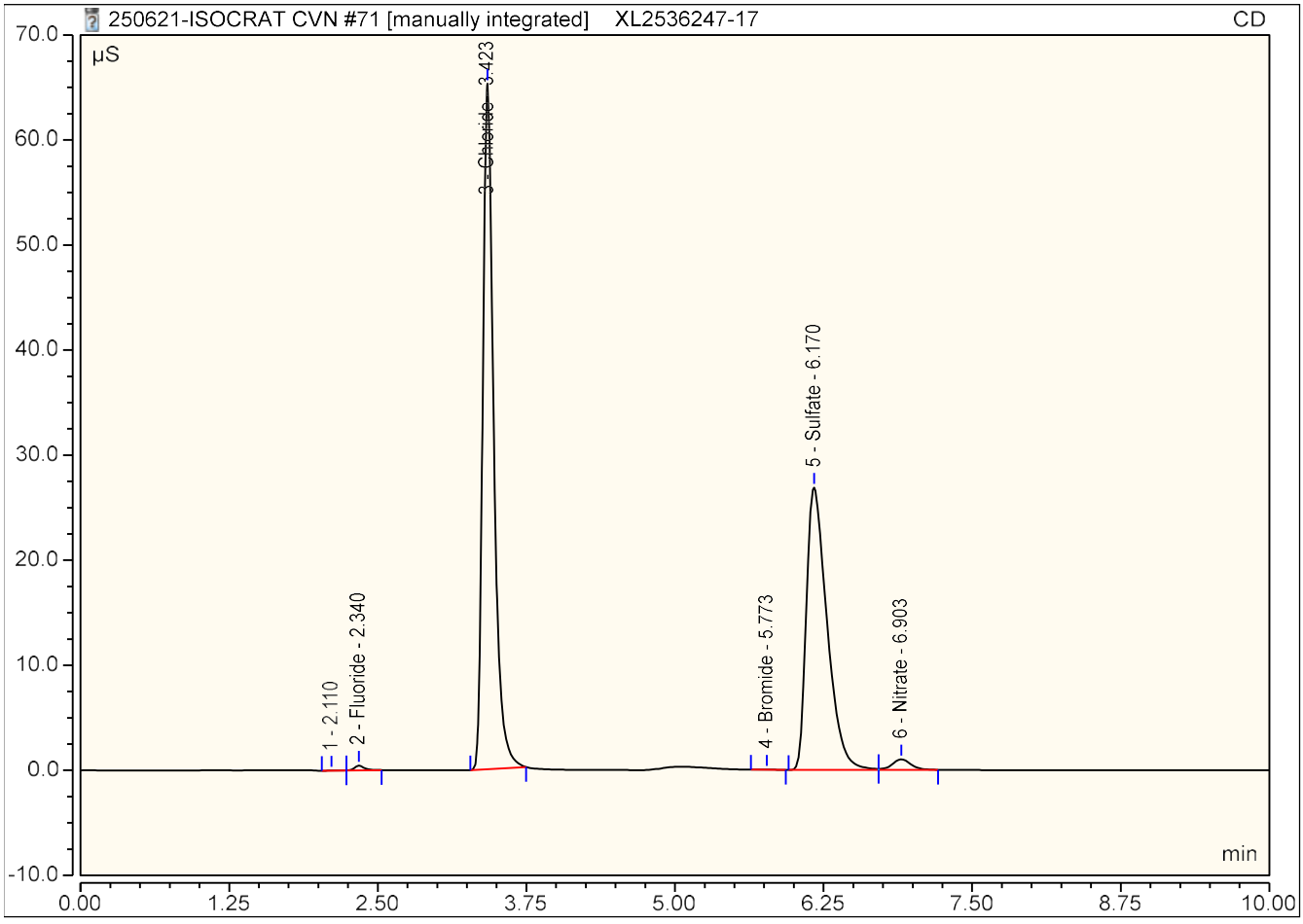
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.42	**Chloride**	BMB	0.017	0.162	0.1406
3	6.31	**Sulfate**	BMB	0.011	0.063	0.7347
4	6.94	**Nitrate**	BMB	0.004	0.017	0.0306
TOTAL:				0.03	0.24	0.91



Peak Integration Report

Sample Name:	**XL2536247-17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:16**	*Run Time:*	**10.00**

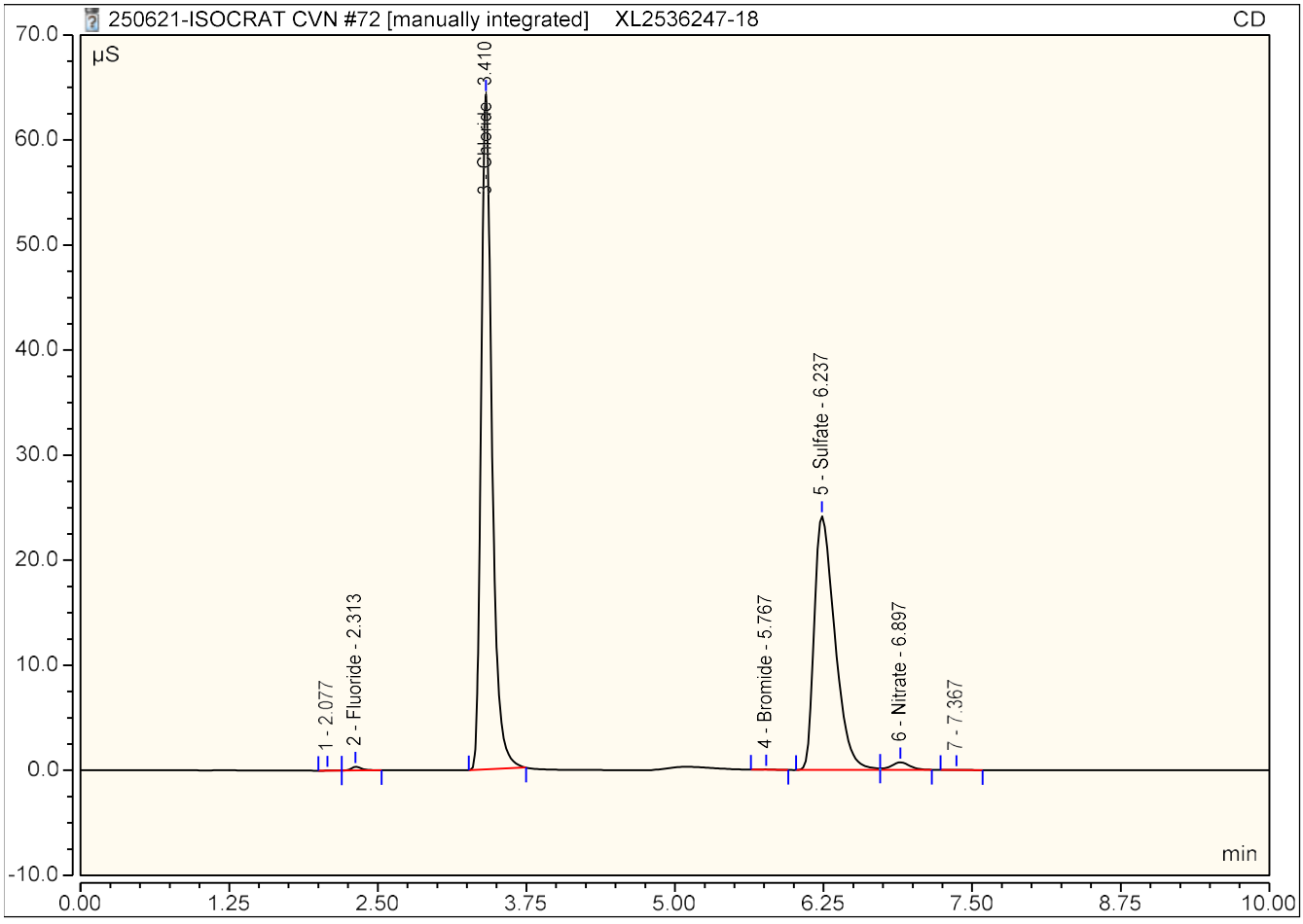
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.041	0.448	0.1019
3	3.42	**Chloride**	BMB	6.973	65.248	18.1526
4	5.77	**Bromide**	BMB	0.004	0.034	0.0706
5	6.17	**Sulfate**	BM *	5.430	26.866	18.6045
6	6.90	**Nitrate**	MB*	0.181	1.014	0.2174
TOTAL:				12.63	93.61	37.15



Peak Integration Report

Sample Name:	**XL2536247-18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:28**	*Run Time:*	**10.00**

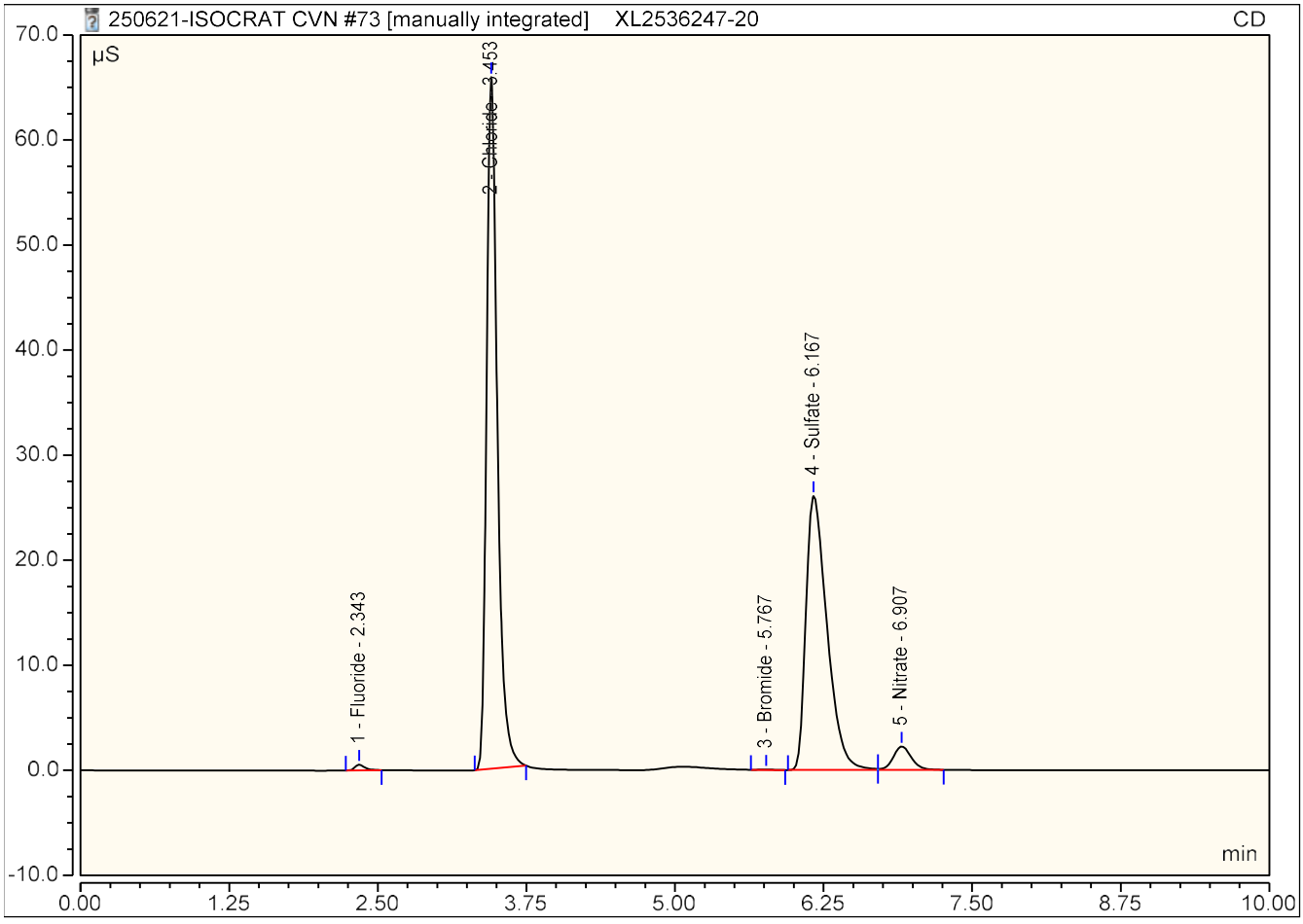
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.034	0.357	0.0879
3	3.41	**Chloride**	BMB	6.815	64.234	17.7446
4	5.77	**Bromide**	BMB	0.005	0.035	0.0714
5	6.24	**Sulfate**	BM *	4.871	24.179	16.7608
6	6.90	**Nitrate**	MB*	0.131	0.721	0.1647
TOTAL:				11.86	89.53	34.83



Peak Integration Report

Sample Name:	**XL2536247-20**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:40**	*Run Time:*	**10.00**

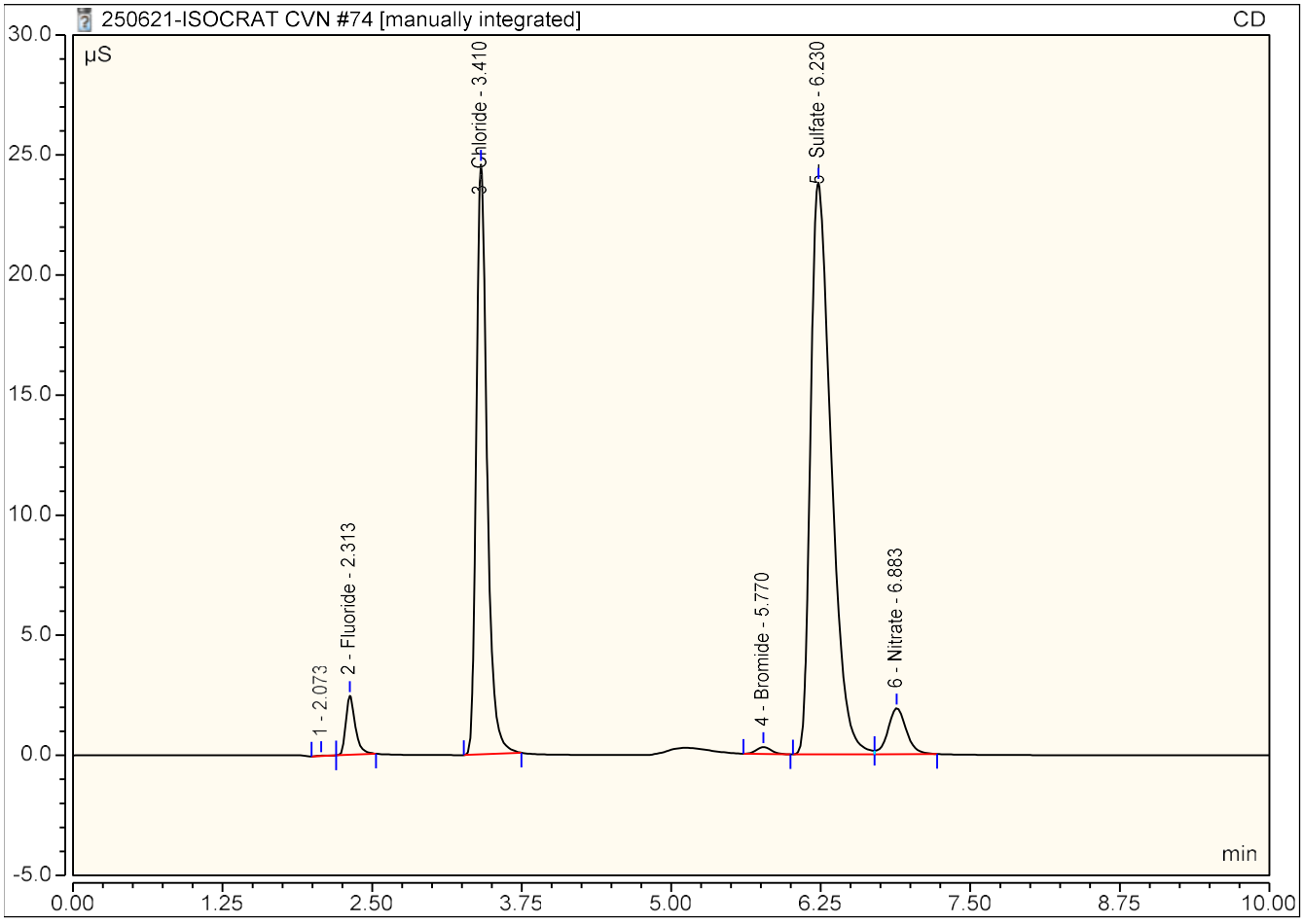
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.34	**Fluoride**	BMB	0.052	0.554	0.1210
2	3.45	**Chloride**	BMB	6.955	65.832	18.1065
3	5.77	**Bromide**	BMB	0.005	0.034	0.0710
4	6.17	**Sulfate**	BM *	5.367	26.091	18.3971
5	6.91	**Nitrate**	MB*	0.395	2.223	0.4417
TOTAL:				12.77	94.73	37.14



Peak Integration Report

Sample Name:	**XL2536418-01 MS; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:52**	*Run Time:*	**10.00**

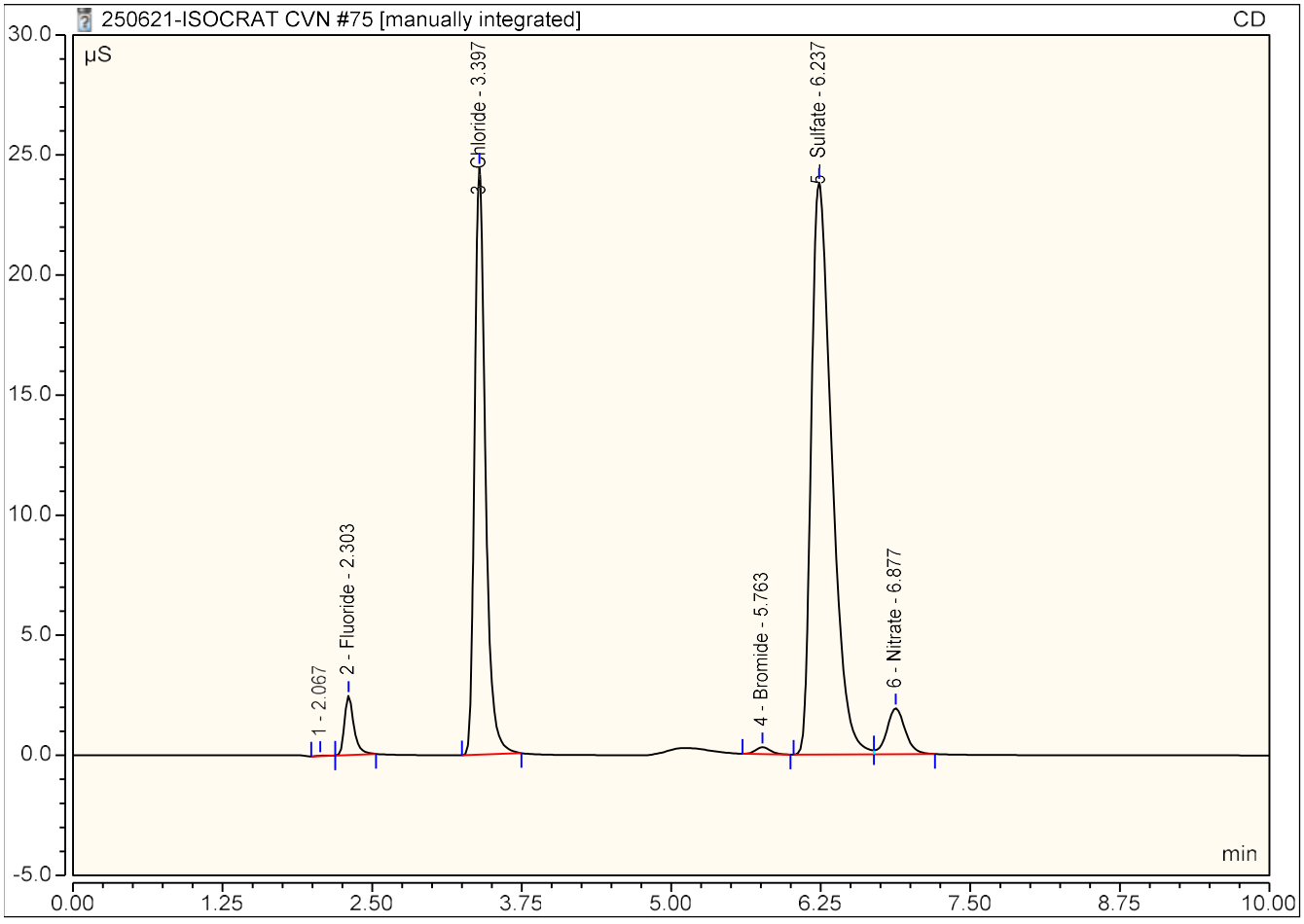
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.223	2.463	4.2986
3	3.41	**Chloride**	BMB	2.566	24.565	67.4018
4	5.77	**Bromide**	BMB	0.041	0.294	3.4393
5	6.23	**Sulfate**	BM *	4.754	23.816	163.7549
6	6.88	**Nitrate**	MB*	0.339	1.911	3.8291
TOTAL:				7.92	53.05	242.72



Peak Integration Report

Sample Name:	**XL2536418-01 MSD; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:05**	*Run Time:*	**10.00**

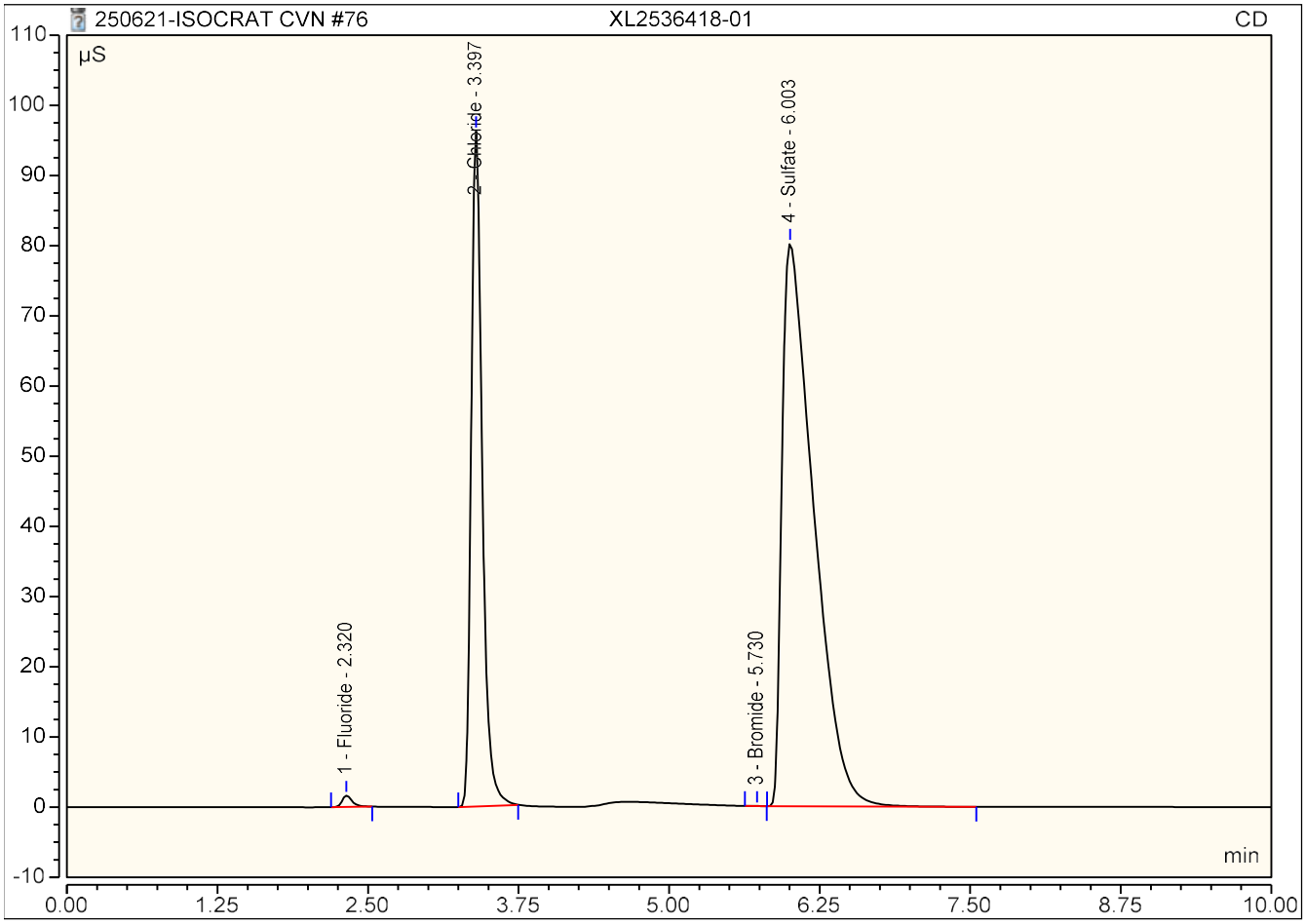
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.223	2.465	4.2980
3	3.40	**Chloride**	BMB	2.560	24.451	67.2381
4	5.76	**Bromide**	BMB	0.041	0.293	3.4494
5	6.24	**Sulfate**	BM *	4.739	23.819	163.2439
6	6.88	**Nitrate**	MB*	0.340	1.915	3.8381
TOTAL:				7.90	52.94	242.07



Peak Integration Report

Sample Name:	**XL2536418-01**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:17**	*Run Time:*	**10.00**

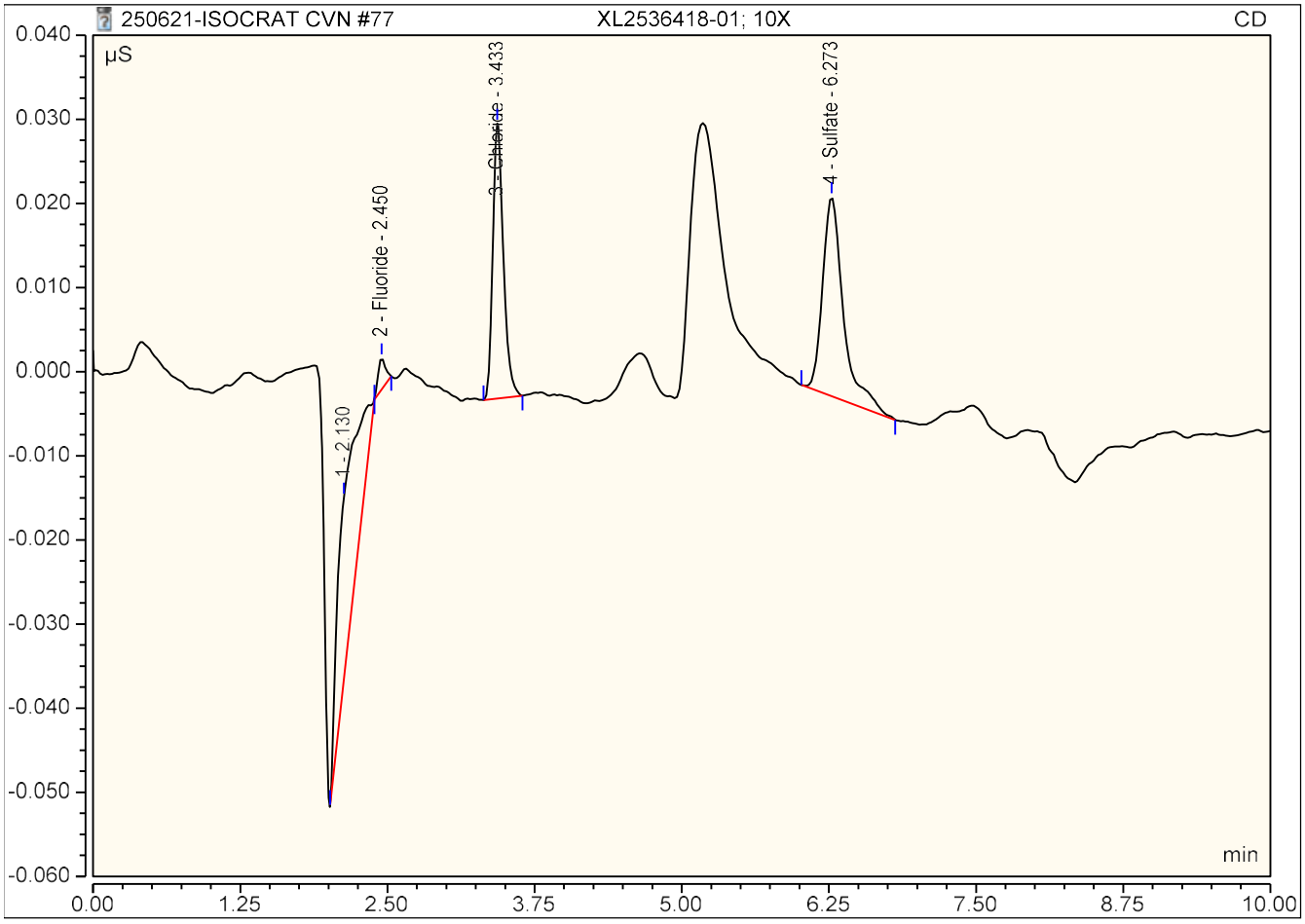
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.158	1.627	0.3118
2	3.40	**Chloride**	BMB	10.192	96.216	26.4895
3	5.73	**Bromide**	BMB	0.001	0.012	0.0455
4	6.00	**Sulfate**	BMB	24.378	80.192	81.0858
TOTAL:				34.73	178.05	107.93



Peak Integration Report

Sample Name:	**XL2536418-01; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:29**	*Run Time:*	**10.00**

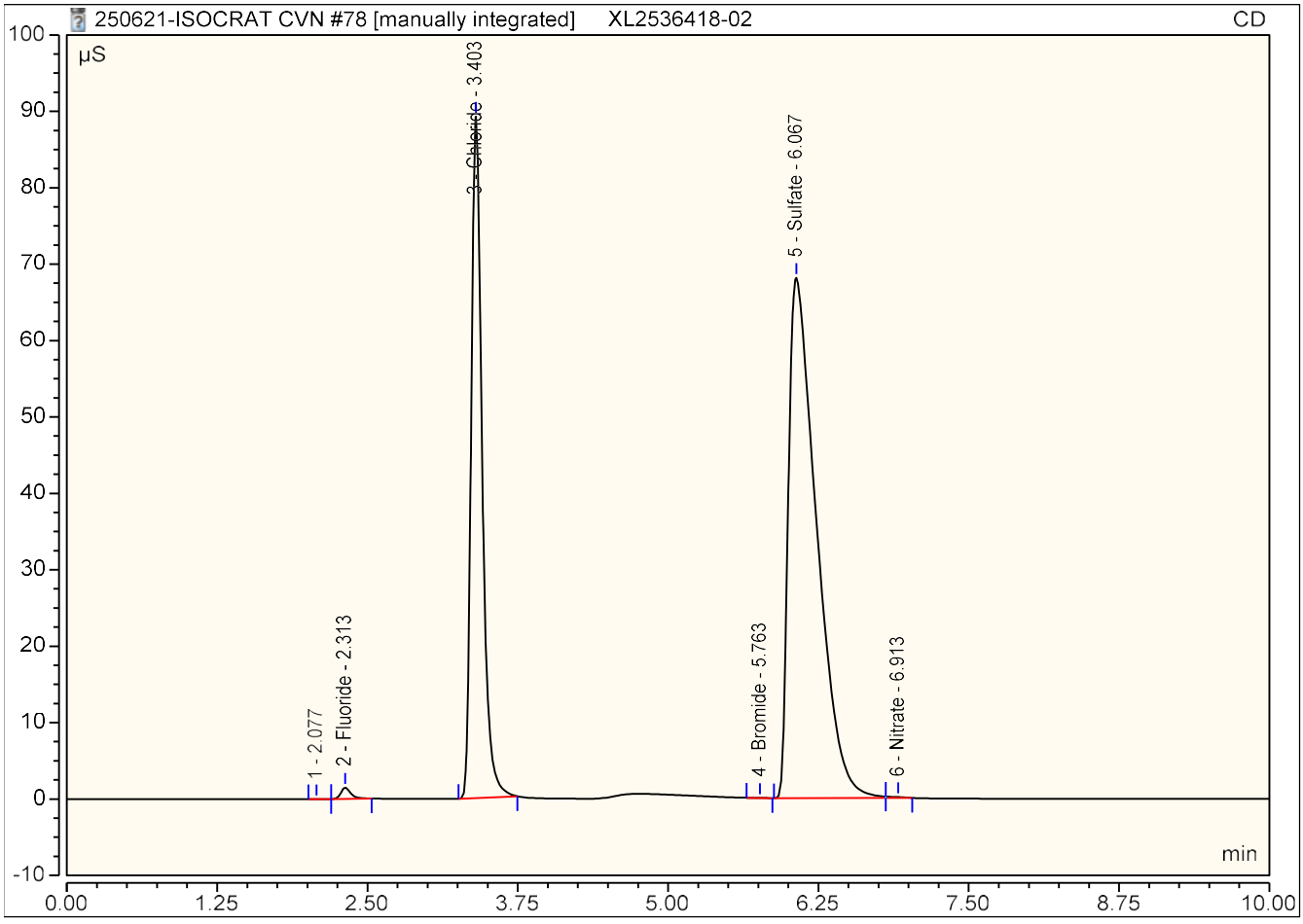
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.45	**Fluoride**	BMB	0.000	0.004	0.2777
3	3.43	**Chloride**	BMB	0.003	0.033	1.0411
4	6.27	**Sulfate**	BMB	0.005	0.024	7.1376
TOTAL:				0.01	0.06	8.46



Peak Integration Report

Sample Name:	**XL2536418-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:41**	*Run Time:*	**10.00**

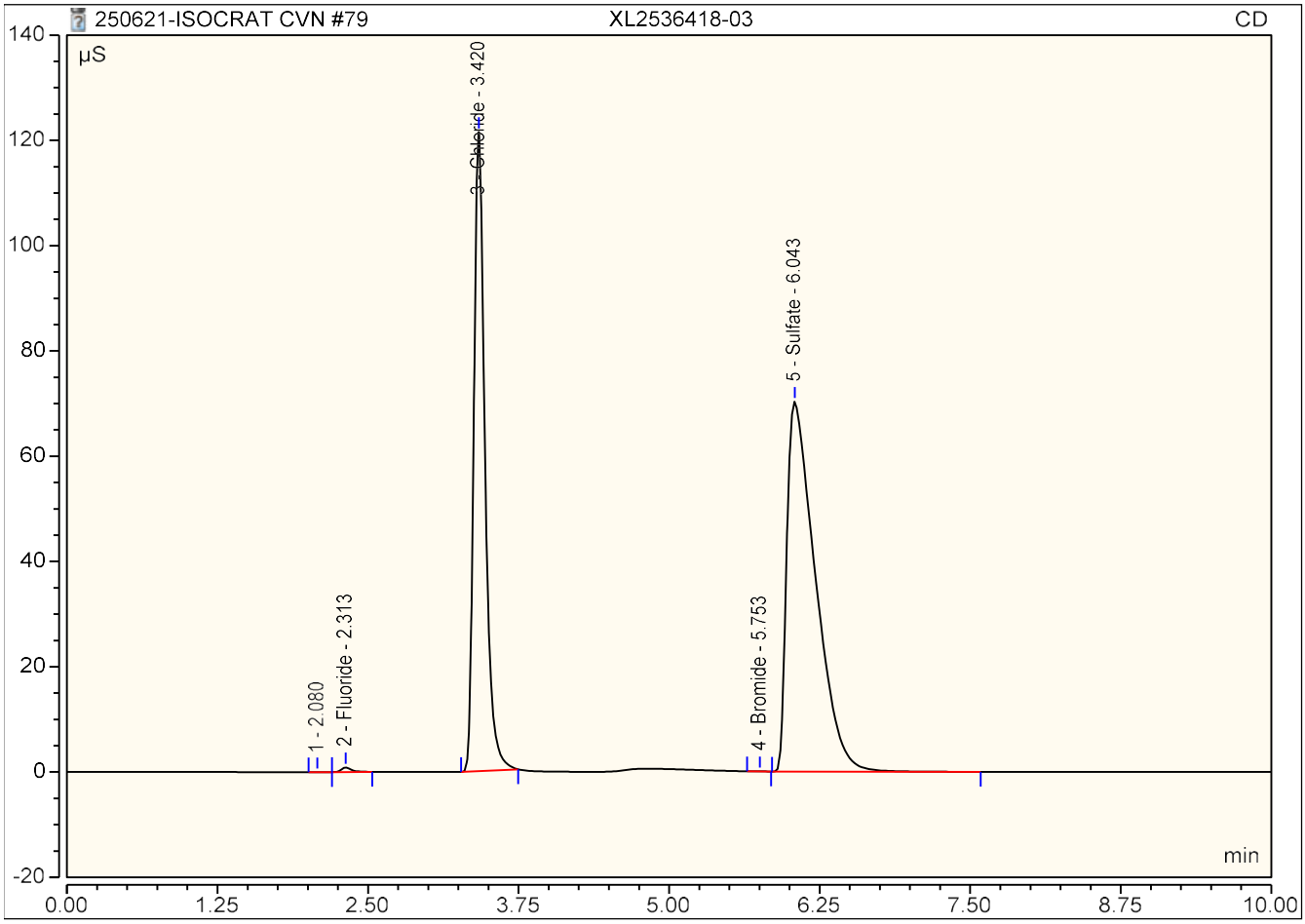
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.139	1.475	0.2784
3	3.40	**Chloride**	BMB	9.388	89.211	24.4088
4	5.76	**Bromide**	BMB	0.001	0.012	0.0473
5	6.07	**Sulfate**	BM *	18.362	68.088	61.2483
6	6.91	**Nitrate**	MB*	0.023	0.125	0.0508
TOTAL:				27.91	158.91	86.03



Peak Integration Report

Sample Name:	**XL2536418-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:53**	*Run Time:*	**10.00**

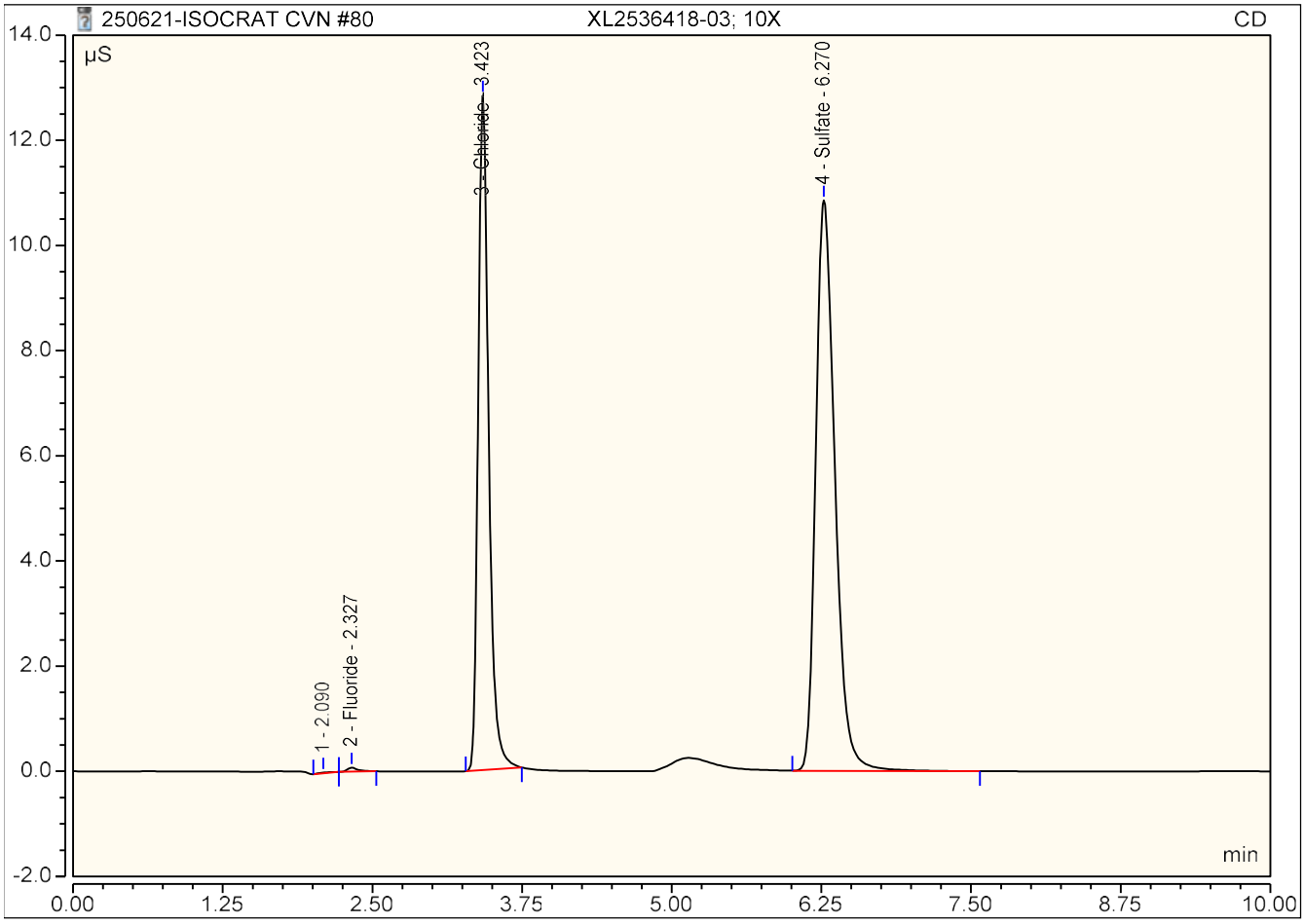
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.083	0.876	0.1765
3	3.42	**Chloride**	BMB	13.009	121.423	33.7857
4	5.75	**Bromide**	BMB	0.001	0.012	0.0461
5	6.04	**Sulfate**	BMB	19.314	70.264	64.3867
TOTAL:				32.41	192.57	98.40



Peak Integration Report

Sample Name:	**XL2536418-03; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:05**	*Run Time:*	**10.00**

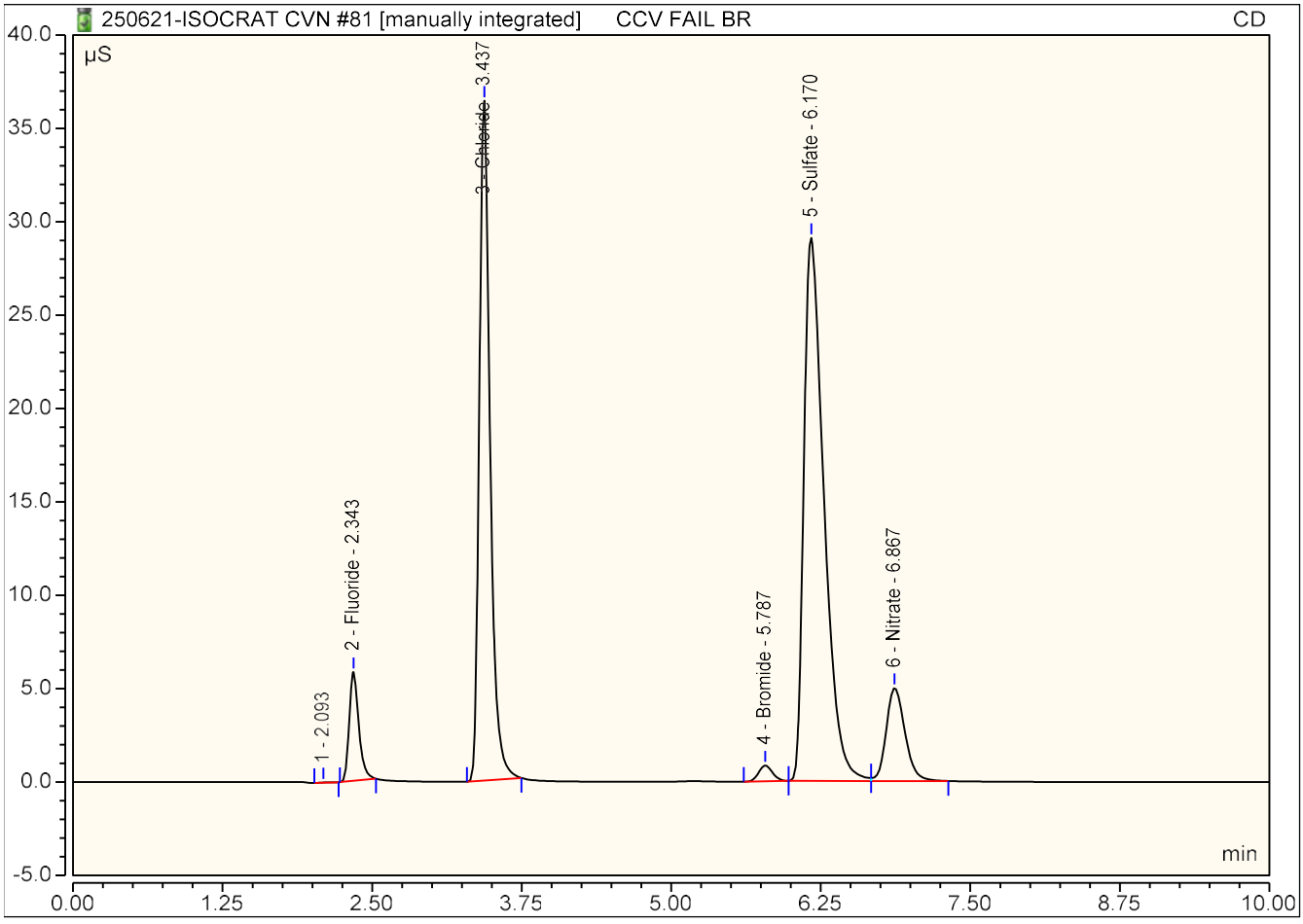
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.008	0.079	0.4176
3	3.42	**Chloride**	BMB	1.308	12.830	34.8312
4	6.27	**Sulfate**	BMB	2.011	10.848	73.2904
TOTAL:				3.33	23.76	108.54



Peak Integration Report

Sample Name:	**CCV FAIL BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:17**	*Run Time:*	**10.00**

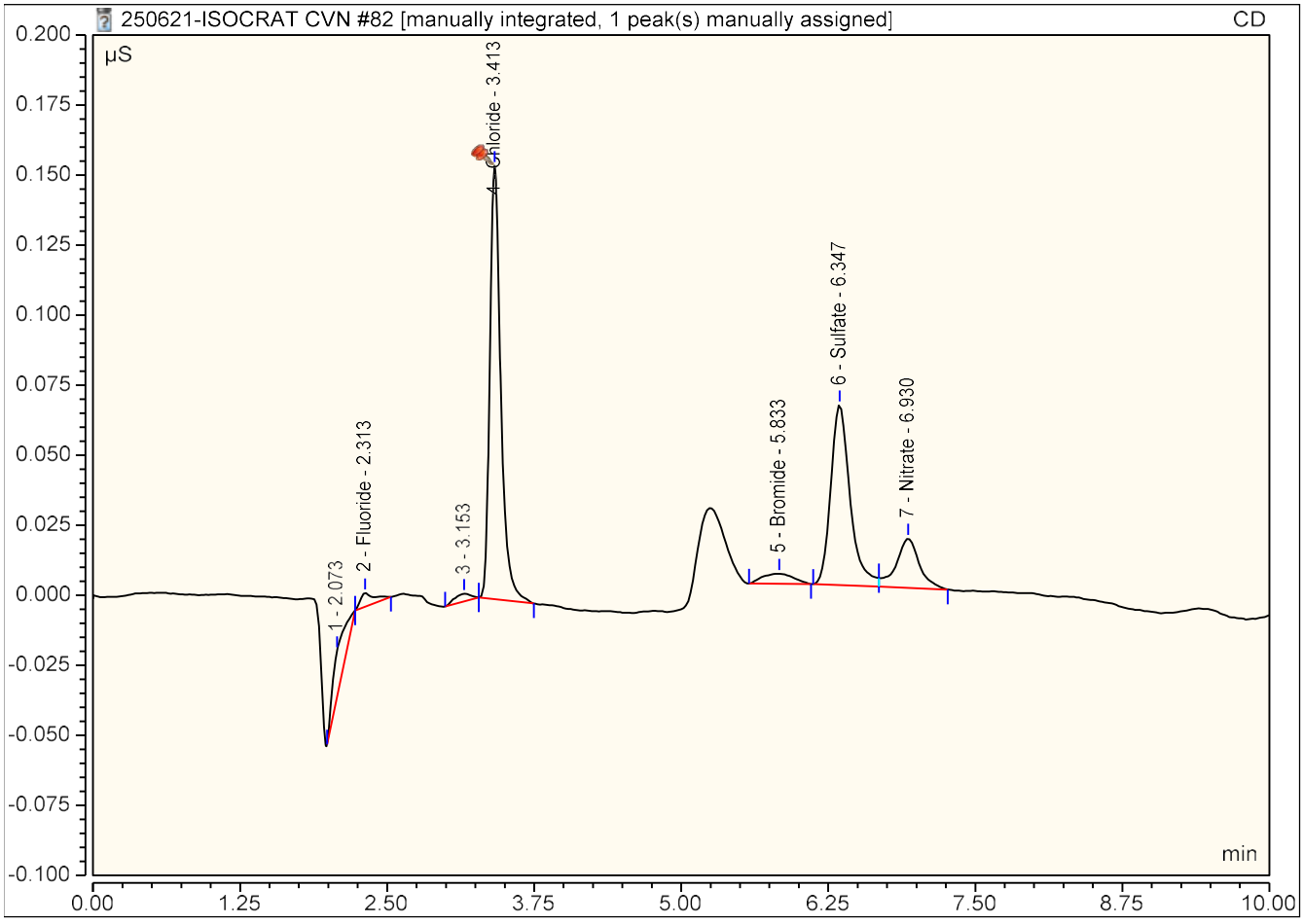
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.539	5.827	0.9986
3	3.44	**Chloride**	BMB	3.814	36.394	9.9716
4	5.79	**Bromide**	BMb*	0.114	0.851	0.8827
5	6.17	**Sulfate**	bM *	5.670	29.065	19.3936
6	6.87	**Nitrate**	MB*	0.906	4.983	0.9790
TOTAL:				11.04	77.12	32.23



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:29**	*Run Time:*	**10.00**

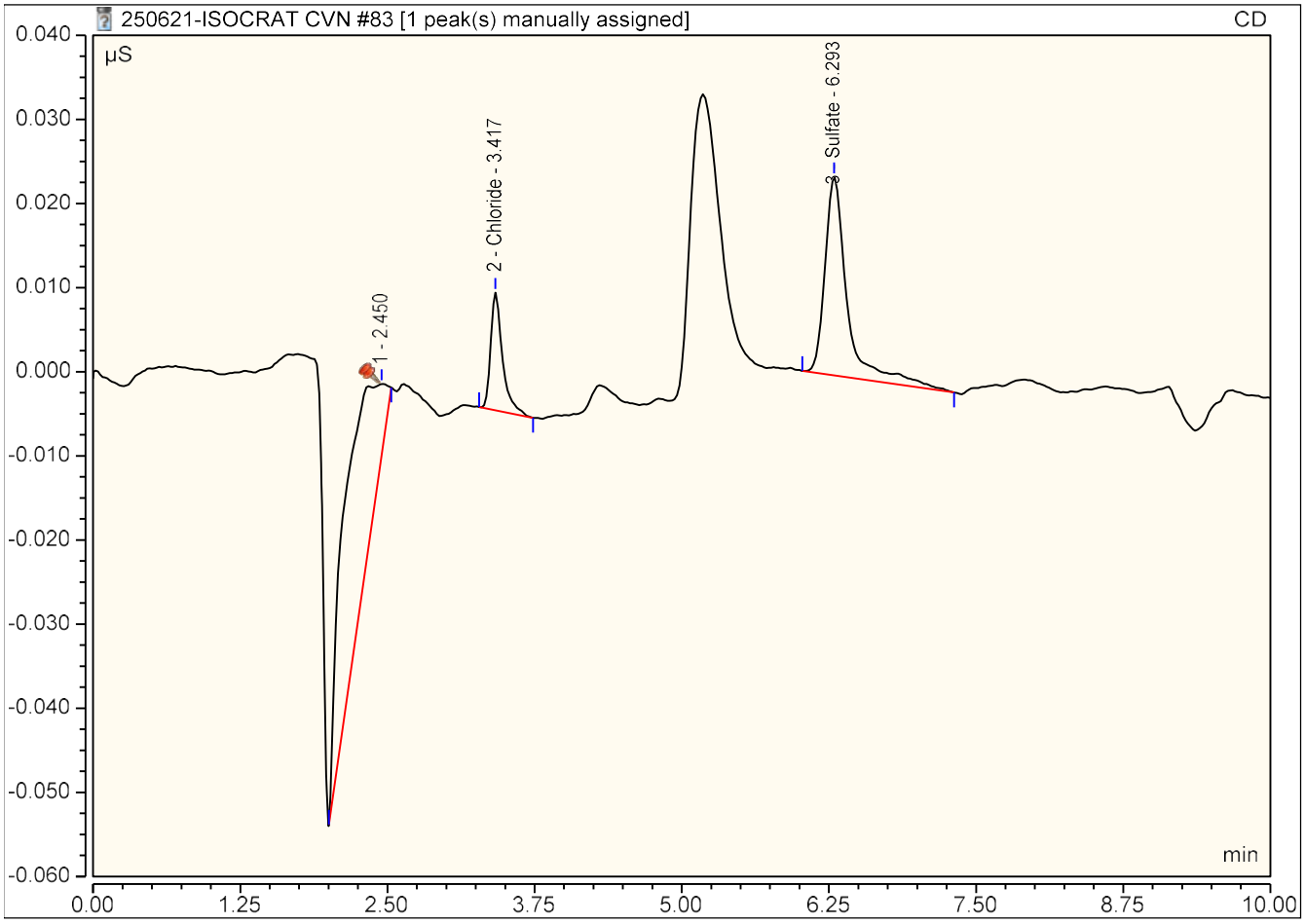
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.005	0.0285
4	3.41	**Chloride**	BMB^	0.017	0.155	0.1383
5	5.83	**Bromide**	BMB	0.001	0.004	0.0456
6	6.35	**Sulfate**	BM *	0.012	0.064	0.7381
7	6.93	**Nitrate**	MB*	0.004	0.018	0.0311
TOTAL:				0.03	0.25	0.98



Peak Integration Report

Sample Name:	**BLK-2 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:41**	*Run Time:*	**10.00**

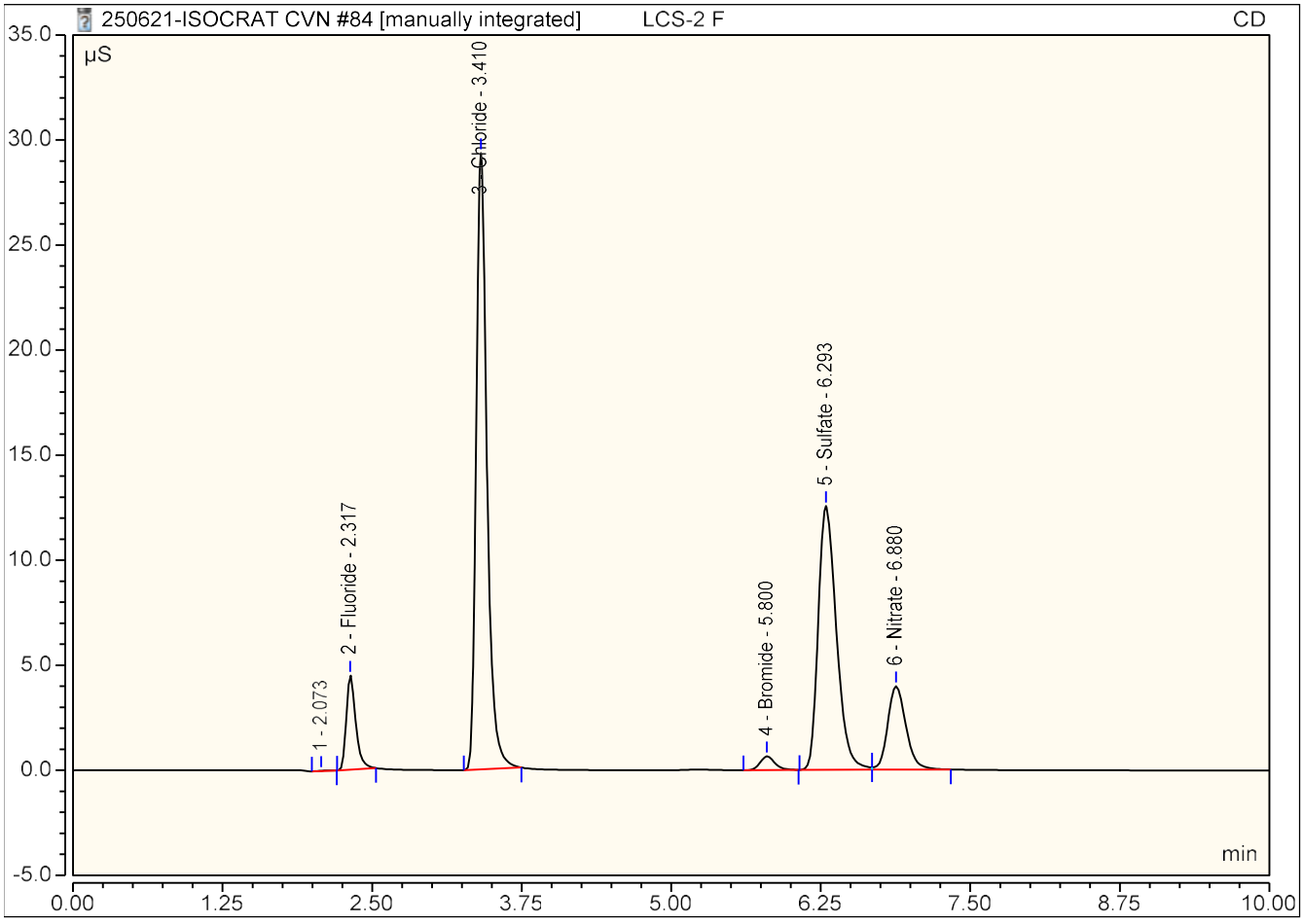
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.42	**Chloride**	BMB	0.002	0.014	0.0995
3	6.29	**Sulfate**	BMB	0.005	0.024	0.7149
TOTAL:				0.01	0.04	0.81



Peak Integration Report

Sample Name:	**LCS-2 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:53**	*Run Time:*	**10.00**

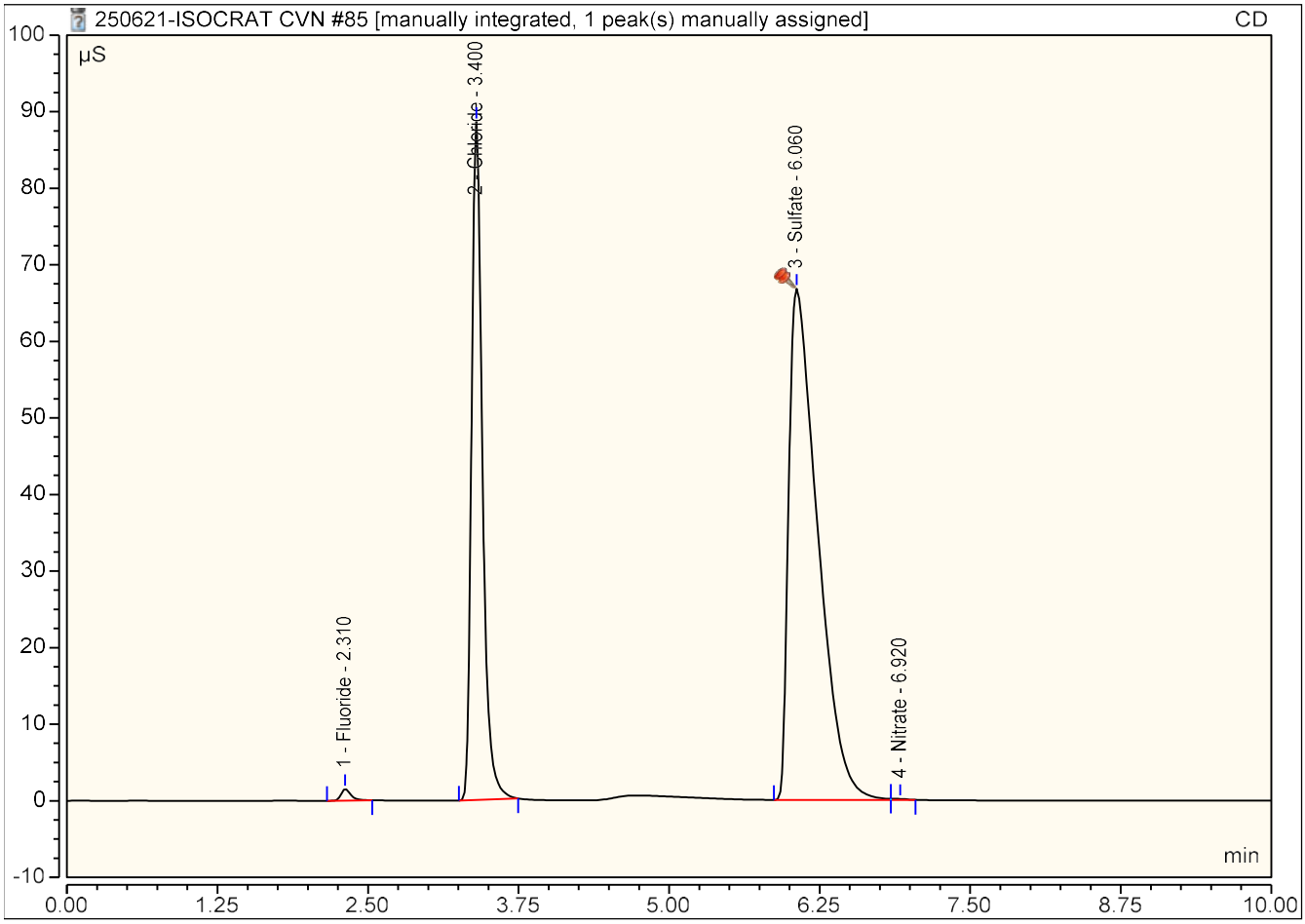
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.407	4.483	0.7605
3	3.41	**Chloride**	BMB	3.060	29.337	8.0198
4	5.80	**Bromide**	BMB	0.093	0.657	0.7260
5	6.29	**Sulfate**	BM *	2.206	12.546	7.9707
6	6.88	**Nitrate**	MB*	0.703	3.971	0.7653
TOTAL:				6.47	50.99	18.24



Peak Integration Report

Sample Name:	**XL2536418-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:05**	*Run Time:*	**10.00**

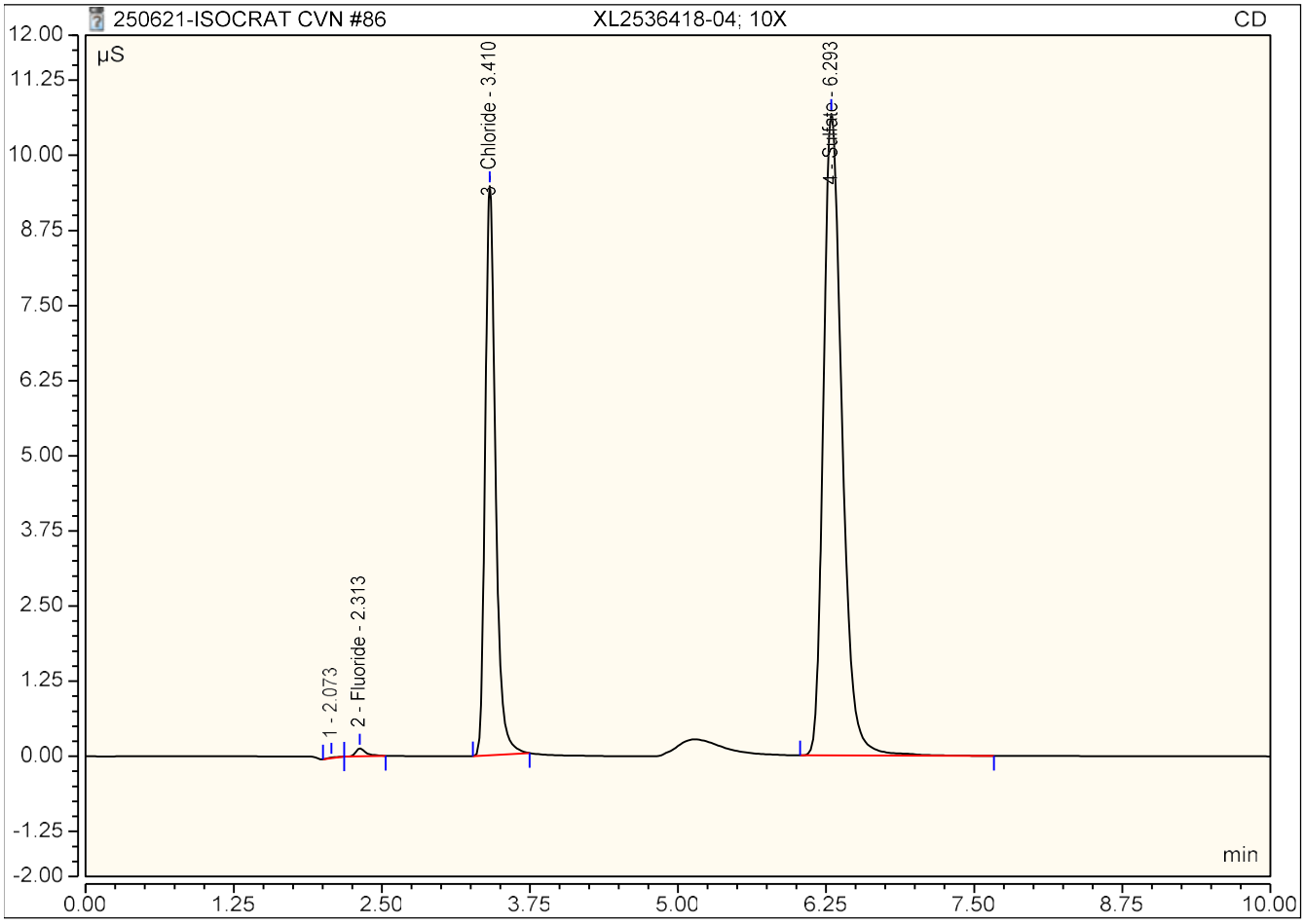
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.141	1.491	0.2815
2	3.40	**Chloride**	BMB	9.262	88.546	24.0803
3	6.06	**Sulfate**	BM *^	18.537	66.770	61.8241
4	6.92	**Nitrate**	MB*	0.018	0.121	0.0462
TOTAL:				27.96	156.93	86.23



Peak Integration Report

Sample Name:	**XL2536418-04; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:18**	*Run Time:*	**10.00**

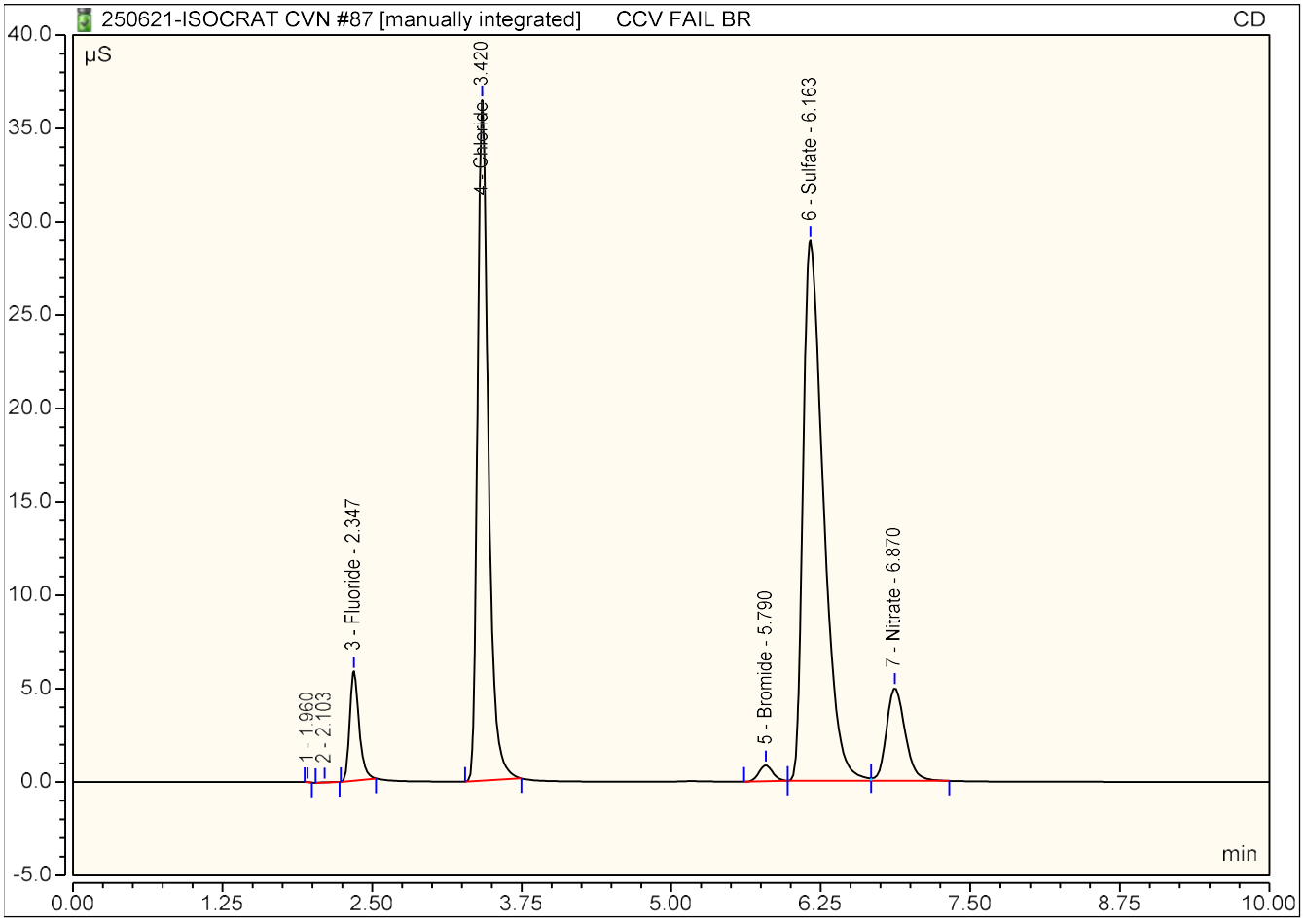
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.013	0.133	0.5112
3	3.41	**Chloride**	BMB	0.957	9.472	25.7280
4	6.29	**Sulfate**	BMB	1.947	10.678	71.1913
TOTAL:				2.92	20.28	97.43



Peak Integration Report

Sample Name:	**CCV FAIL BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:30**	*Run Time:*	**10.00**

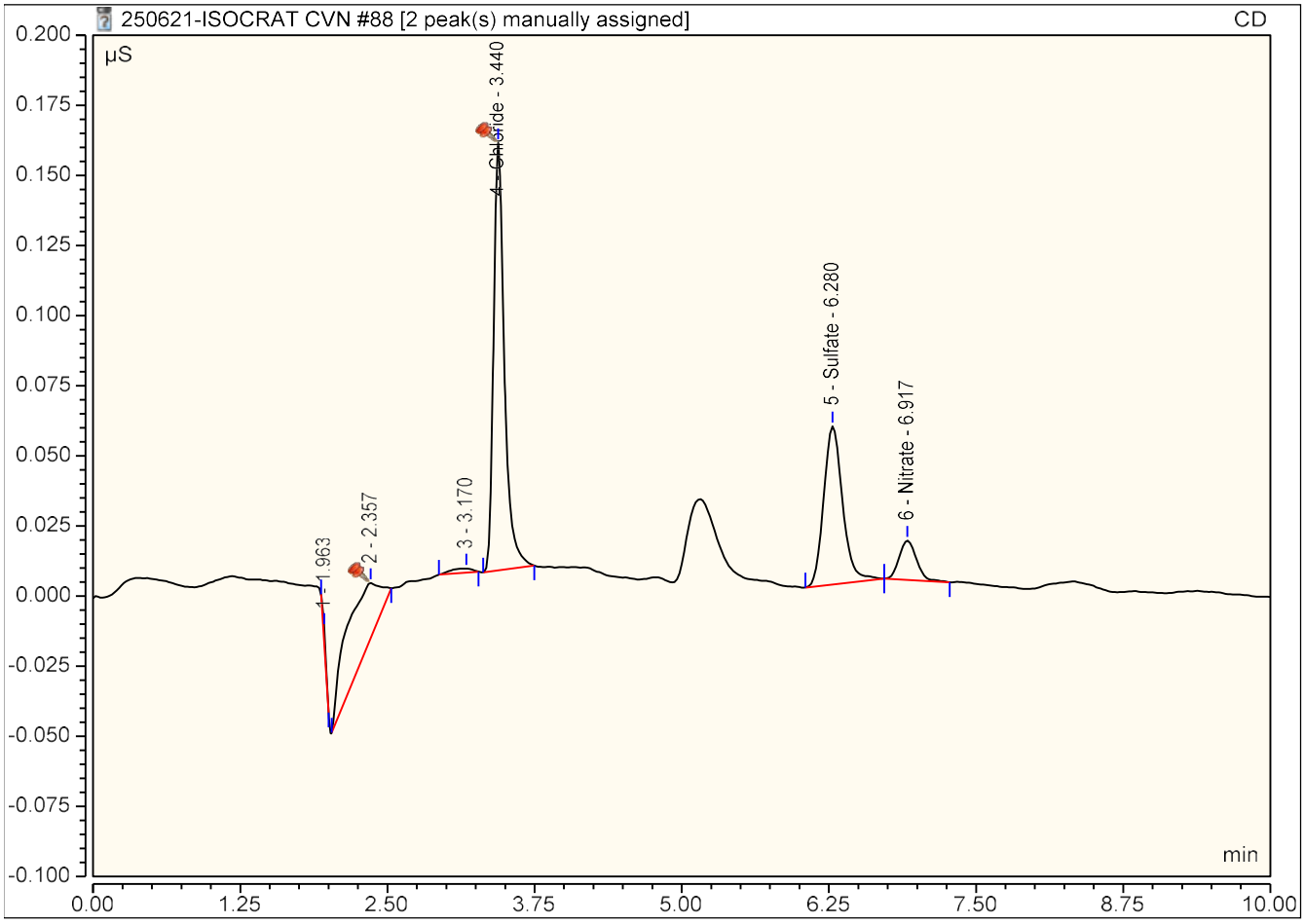
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.35	**Fluoride**	BMB	0.534	5.856	0.9896
4	3.42	**Chloride**	BMB	3.834	36.436	10.0245
5	5.79	**Bromide**	BMb*	0.114	0.855	0.8856
6	6.16	**Sulfate**	bM *	5.699	28.921	19.4917
7	6.87	**Nitrate**	MB*	0.902	4.983	0.9742
TOTAL:				11.08	77.05	32.37



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
4	3.44	**Chloride**	BMB^	0.016	0.152	0.1373
5	6.28	**Sulfate**	BMB	0.011	0.056	0.7325
6	6.92	**Nitrate**	BMB	0.002	0.014	0.0294
TOTAL:				0.03	0.22	0.90



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0440	0.1000	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0418	0.2829	0.0429	1.0180	0.0511
3	STD 1.0	1.0	0.0555	0.5048	0.0622	1.4554	0.0744
4	STD 2.0	1.0	0.1773	1.9278	0.1949	4.1152	0.1845
5	STD 3.0	1.0	0.4593	4.8782	0.4665	9.9062	0.4524
6	STD 4.0	1.0	2.0605	20.2356	2.0083	38.3461	2.0125
7	STD 5.0	1.0	4.9806	49.9206	5.0460	100.6592	4.8837
8	RINSE	1.0	0.0410	0.1345	0.0282	0.7382	0.0433
9	CCV	1.0	0.9889	9.9349	0.9870	19.5719	0.9210
10	CCB	1.0	0.0301	0.1345	0.0312	0.7379	n.a.
11	ICV	1.0	0.7783	8.0780	0.7808	8.1405	0.7594
12	ICB	1.0	0.0299	0.1323	0.0306	0.7341	n.a.
13	BLK	1.0	0.0284	0.0990	n.a.	0.7184	n.a.
14	LCS	1.0	0.7688	8.1129	0.7756	8.0817	0.7501
15	L2536930-01 F	1.0	0.1522	14.3453	n.a.	163.7389	n.a.
16	L2536930-02	1.0	0.0629	151.4436	n.a.	1536.7904	n.a.
17	L2536930-03	1.0	0.0535	17.8171	0.4695	104.0753	n.a.
18	L2536930-04	1.0	0.0680	24.7548	n.a.	691.2281	n.a.
19	L2536169-01 F; 5X	5.0	1.7917	213.6617	6.9752	43.8331	n.a.
20	L2536169-03 F; 5X	5.0	2.2351	66.6222	0.4578	34.0304	0.1961
21	CCV	1.0	0.9712	9.9296	0.9937	19.2673	0.9246
22	CCB	1.0	0.0277	0.1416	0.0304	0.7430	0.0386
23	L2536169-04 MS; 5X	5.0	6.1391	75.9466	1.9550	91.1995	1.7298
24	L2536169-04 MSD; 5X	5.0	6.1849	76.1220	1.9763	91.1742	1.7294
25	L2536169-04; 5X	5.0	4.0088	55.4743	n.a.	52.9019	n.a.
26	L2536169-05 MS; 5X	5.0	4.8261	75.1639	2.4330	70.3952	1.8248
27	L2536169-05 MSD; 5X	5.0	4.8896	74.9830	2.3936	69.9137	1.8347
28	L2536169-05; 5X	5.0	2.6039	52.1855	0.4312	29.1284	n.a.
29	XL2536169-10; 5X	5.0	25.3926	69.3765	1.6105	99.9944	n.a.
30	L2536169-11; 5X	5.0	14.0428	93.5261	0.6350	44.0709	0.1973
31	XL2538013-02 BR	1.0	n.a.	n.a.	n.a.	n.a.	n.a.
32	XL2538013-02; 10X	10.0	n.a.	n.a.	n.a.	n.a.	n.a.
33	CCV	1.0	0.9471	9.9419	1.0403	19.4397	0.9369
34	CCB	1.0	0.0318	0.1397	0.0305	0.7430	n.a.
35	L2538013-01 MS	1.0	0.3828	6.9160	5.7932	48.1849	0.3228
36	L2538013-01 MSD	1.0	0.3868	6.8443	5.7803	47.8549	0.3178
37	L2538013-01	1.0	0.0513	2.9922	5.6007	42.2287	0.0425
38	L2538013-03	1.0	0.0389	28.1257	2.5152	13.1655	0.0482
39	L2538013-04	1.0	0.0779	22.0074	1.2247	16.2034	0.0498
40	L2538013-05	1.0	0.0578	14.0056	0.5316	33.2044	0.0621
41	L2538013-06	1.0	0.1091	18.7948	1.0142	38.8202	0.0494
42	L2538013-07	1.0	0.0606	18.3979	1.9888	16.4207	0.0522
43	L2538013-02 BR	1.0	0.0382	28.0326	2.4999	13.3008	0.0470
44	XL2538013-02; 10X	10.0	0.2931	32.1030	2.6807	19.5221	n.a.
45	CCV	1.0	0.9533	9.8805	0.9865	19.2288	0.9297

46	CCB	1.0	0.0299	0.1396	0.0300	0.7388	n.a.
47	L2536247-01 BR	1.0	0.0814	15.4058	0.2202	17.3564	0.0687
48	L2536247-02	1.0	0.0553	26.3240	1.4369	12.8662	0.0670
49	L2536247-03	1.0	0.1090	16.6557	0.2775	21.0356	0.0766
50	L2536247-04	1.0	0.0742	19.1217	0.4304	17.0265	0.0833
51	L2536247-05	1.0	0.0569	28.3957	1.6336	17.9017	0.0709
52	L2536247-06	1.0	0.0409	24.9094	2.2832	11.0893	0.1080
53	L2536247-07	1.0	0.0366	21.0346	5.1374	11.7904	0.0633
54	L2536247-08	1.0	0.0783	10.0824	n.a.	34.0199	0.0548
55	L2536247-09	1.0	0.0567	24.5676	3.1075	15.8165	0.0590
56	XL2536247-09; 10X	10.0	0.3110	26.5483	3.0927	21.5857	n.a.
57	CCV	1.0	0.9555	9.9566	0.9903	19.4505	0.9065
58	CCB	1.0	0.0306	0.1390	0.0311	0.7387	n.a.
59	L2536247-10	1.0	0.0807	18.2126	0.1696	16.5353	0.0707
60	L2536247-11	1.0	0.0719	9.5065	0.4730	10.0117	0.0553
61	L2536247-12 MS	1.0	0.3506	30.4643	2.5373	19.0476	0.4020
62	L2536247-12 MSD	1.0	0.3499	29.4076	2.5423	19.0135	0.3960
63	L2536247-12	1.0	0.0435	26.7799	2.2467	12.5895	0.1082
64	L2536247-13	1.0	0.1569	15.2884	0.1576	14.1601	0.0656
65	XL2536247-14	1.0	0.1128	17.2635	0.1088	18.7273	0.0710
66	XL2536247-15	1.0	0.1077	17.1438	0.0510	14.4309	0.0771
67	XL2536247-16	1.0	0.1208	18.1666	0.4397	17.7952	0.0680
68	XL2536247-16; 10X	10.0	0.3708	19.7154	0.6273	23.7169	0.4011
69	CCV	1.0	0.9825	9.9052	1.0088	19.6158	0.9392
70	CCB	1.0	n.a.	0.1406	0.0306	0.7347	n.a.
71	XL2536247-17	1.0	0.1019	18.1526	0.2174	18.6045	0.0706
72	XL2536247-18	1.0	0.0879	17.7446	0.1647	16.7608	0.0714
73	XL2536247-20	1.0	0.1210	18.1065	0.4417	18.3971	0.0710
74	XL2536418-01 MS; 10X	10.0	4.2986	67.4018	3.8291	163.7549	3.4393
75	XL2536418-01 MSD; 10X	10.0	4.2980	67.2381	3.8381	163.2439	3.4494
76	XL2536418-01	1.0	0.3118	26.4895	n.a.	81.0858	0.0455
77	XL2536418-01; 10X	10.0	0.2777	1.0411	n.a.	7.1376	n.a.
78	XL2536418-02	1.0	0.2784	24.4088	0.0508	61.2483	0.0473
79	XL2536418-03	1.0	0.1765	33.7857	n.a.	64.3867	0.0461
80	XL2536418-03; 10X	10.0	0.4176	34.8312	n.a.	73.2904	n.a.
81	CCV FAIL BR	1.0	0.9986	9.9716	0.9790	19.3936	0.8827
82	CCB	1.0	0.0285	0.1383	0.0311	0.7381	0.0456
83	BLK-2 F	1.0	n.a.	0.0995	n.a.	0.7149	n.a.
84	LCS-2 F	1.0	0.7605	8.0198	0.7653	7.9707	0.7260
85	XL2536418-04	1.0	0.2815	24.0803	0.0462	61.8241	n.a.
86	XL2536418-04; 10X	10.0	0.5112	25.7280	n.a.	71.1913	n.a.
87	CCV FAIL BR	1.0	0.9896	10.0245	0.9742	19.4917	0.8856
88	CCB	1.0	n.a.	0.1373	0.0294	0.7325	n.a.
	Sum:	209.000	105.9667		102.9330	4902.7863	35.4588
	Average:	2.375	1.2767		1.4100	57.6798	0.5719
	Rel.Std.Dev:	121.348 %	2.6497		1.1678	3.1395	1.6382

Inject Time	Comment
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21/May/2025 20:28	LOT#250516-2.0
21/May/2025 20:40	LOT#250516-3.0
21/May/2025 20:52	LOT#250516-4.0
21/May/2025 21:04	LOT#250516-5.0
21/Jun/2025 09:55	NG2081777-860-862
21/Jun/2025 10:07	LOT#250620-C
21/Jun/2025 10:19	CVN
21/Jun/2025 10:31	LOT#250620-I
21/Jun/2025 10:43	CVN
21/Jun/2025 10:55	CVN
21/Jun/2025 11:07	LOT#250620-I
21/Jun/2025 11:20	CVN
21/Jun/2025 11:32	CVN
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21/Jun/2025 12:08	CVN
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22/Jun/2025 01:30	LOT#250620-C
22/Jun/2025 01:42	CVN
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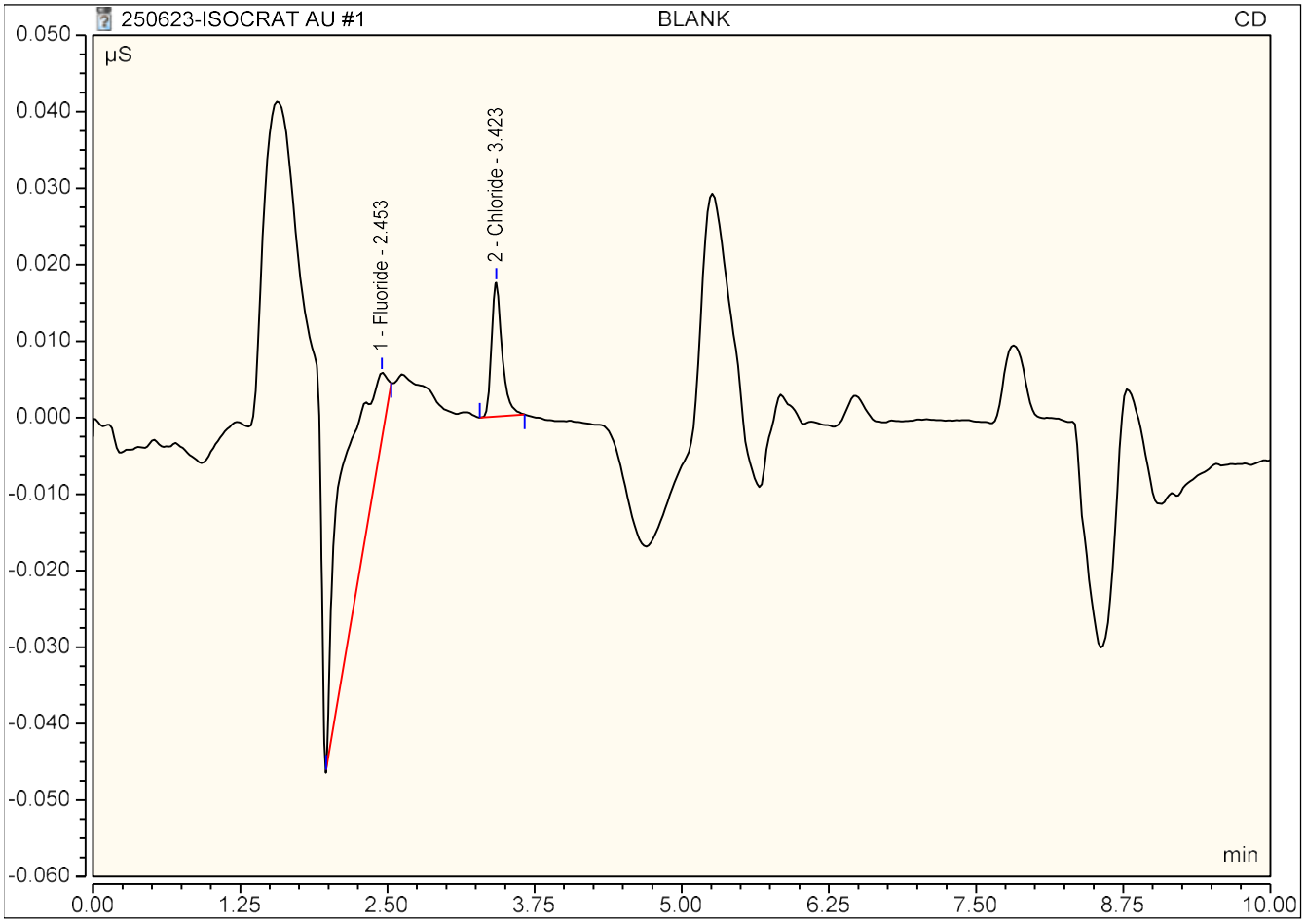
	#DIV/0!

Peak Integration Report

Sample Name:	**BLANK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 19:51**	*Run Time:*	**10.00**

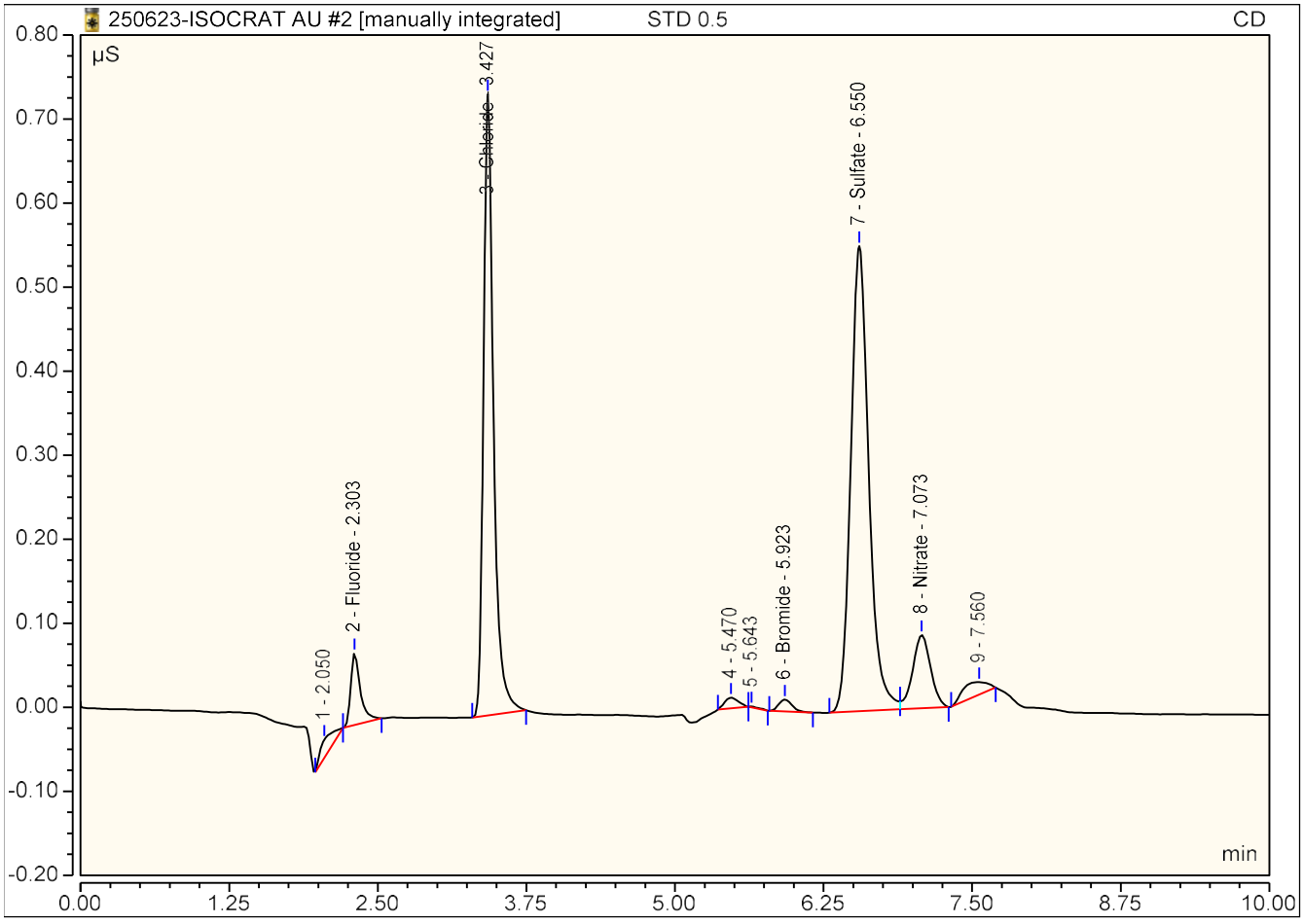
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.45	**Fluoride**	BMB	0.009	0.009	0.0440
2	3.42	**Chloride**	BMB	0.002	0.017	0.1000
TOTAL:				0.01	0.03	0.14



Peak Integration Report

Sample Name:	**STD 0.5**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:04**	*Run Time:*	**10.00**

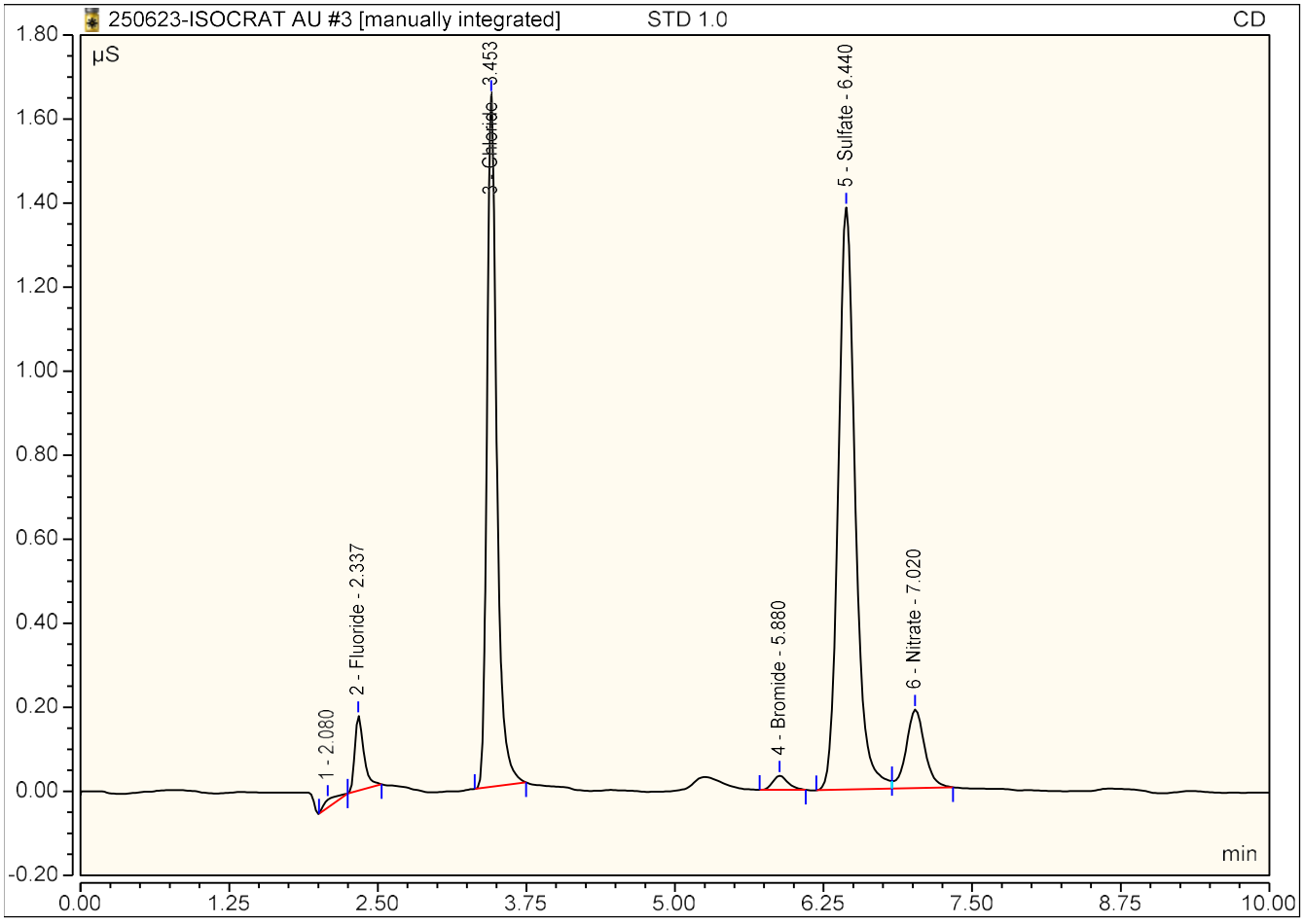
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.008	0.086	0.0418
3	3.43	**Chloride**	BMB	0.072	0.739	0.2829
6	5.92	**Bromide**	BMB	0.002	0.014	0.0511
7	6.55	**Sulfate**	BM *	0.097	0.553	1.0180
8	7.07	**Nitrate**	MB*	0.015	0.087	0.0429
TOTAL:				0.19	1.48	1.44



Peak Integration Report

Sample Name:	**STD 1.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:16**	*Run Time:*	**10.00**

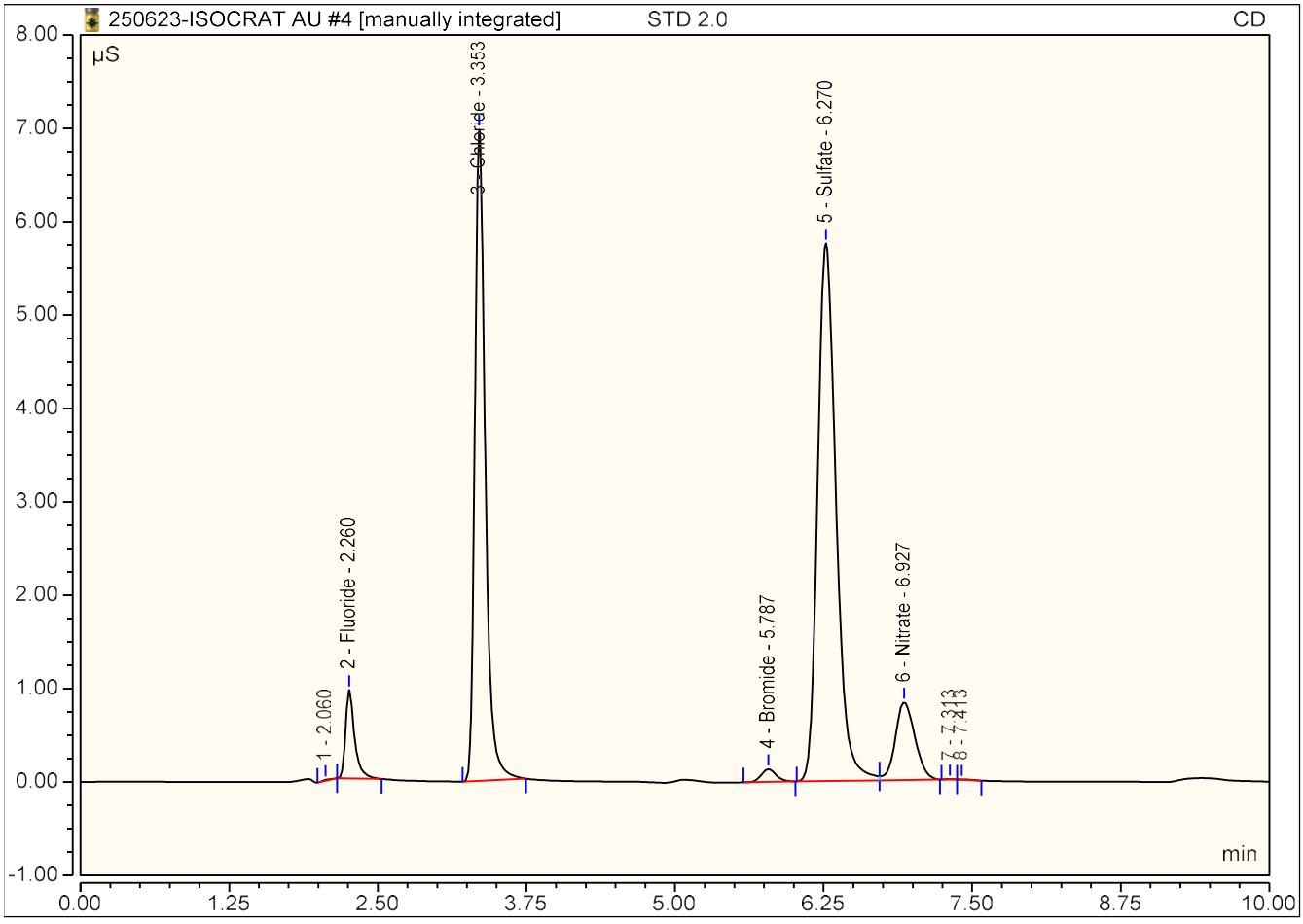
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.016	0.178	0.0555
3	3.45	**Chloride**	BMB	0.158	1.647	0.5048
4	5.88	**Bromide**	BMB	0.005	0.034	0.0744
5	6.44	**Sulfate**	BM *	0.230	1.385	1.4554
6	7.02	**Nitrate**	MB*	0.034	0.187	0.0622
TOTAL:				0.44	3.43	2.15



Peak Integration Report

Sample Name:	**STD 2.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:28**	*Run Time:*	**10.00**

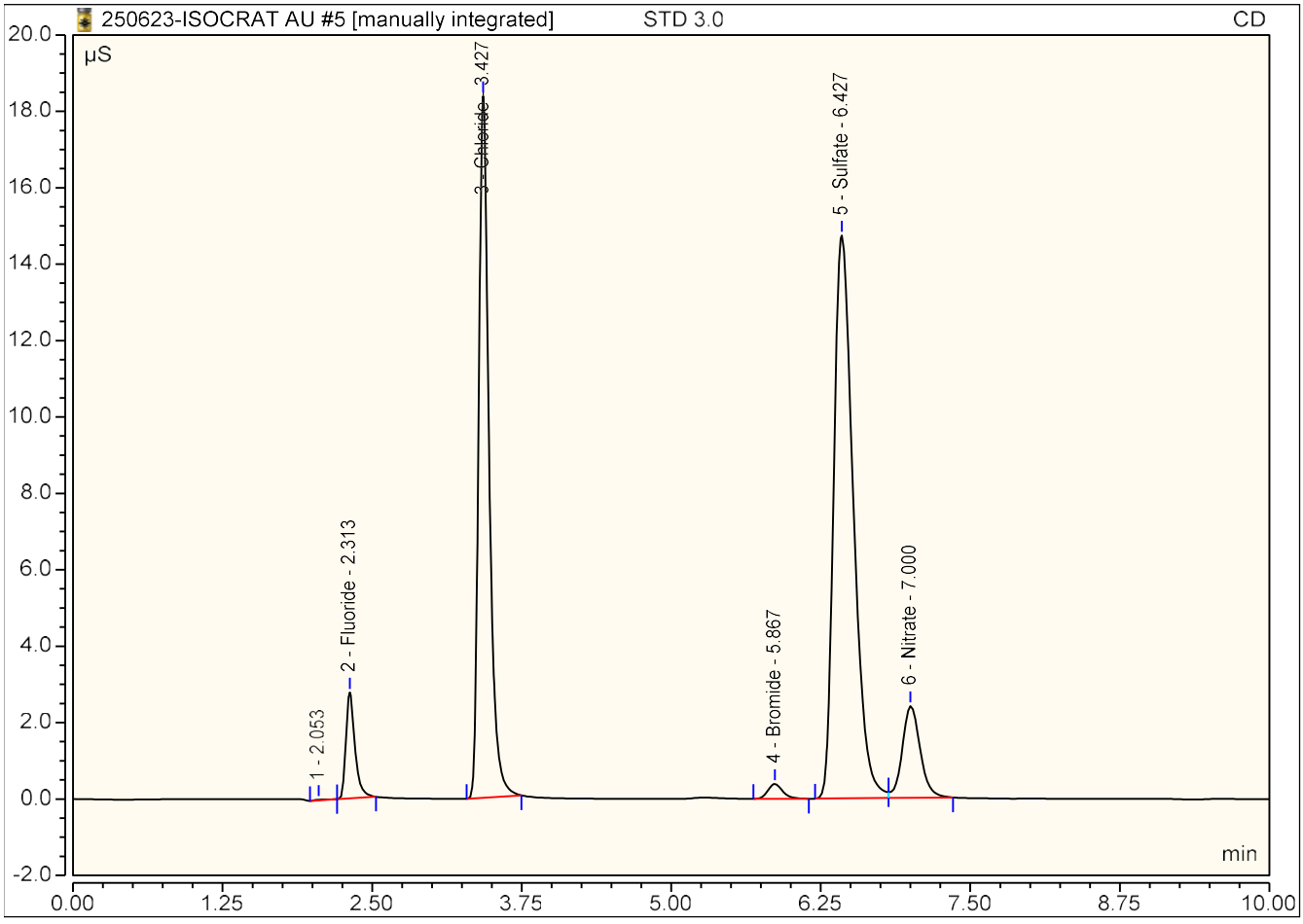
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.26	**Fluoride**	BMB	0.083	0.947	0.1773
3	3.35	**Chloride**	BMB	0.708	6.976	1.9278
4	5.79	**Bromide**	BMB	0.020	0.138	0.1845
5	6.27	**Sulfate**	BM *	1.036	5.755	4.1152
6	6.93	**Nitrate**	MB*	0.160	0.832	0.1949
TOTAL:				2.01	14.65	6.60



Peak Integration Report

Sample Name:	**STD 3.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:40**	*Run Time:*	**10.00**

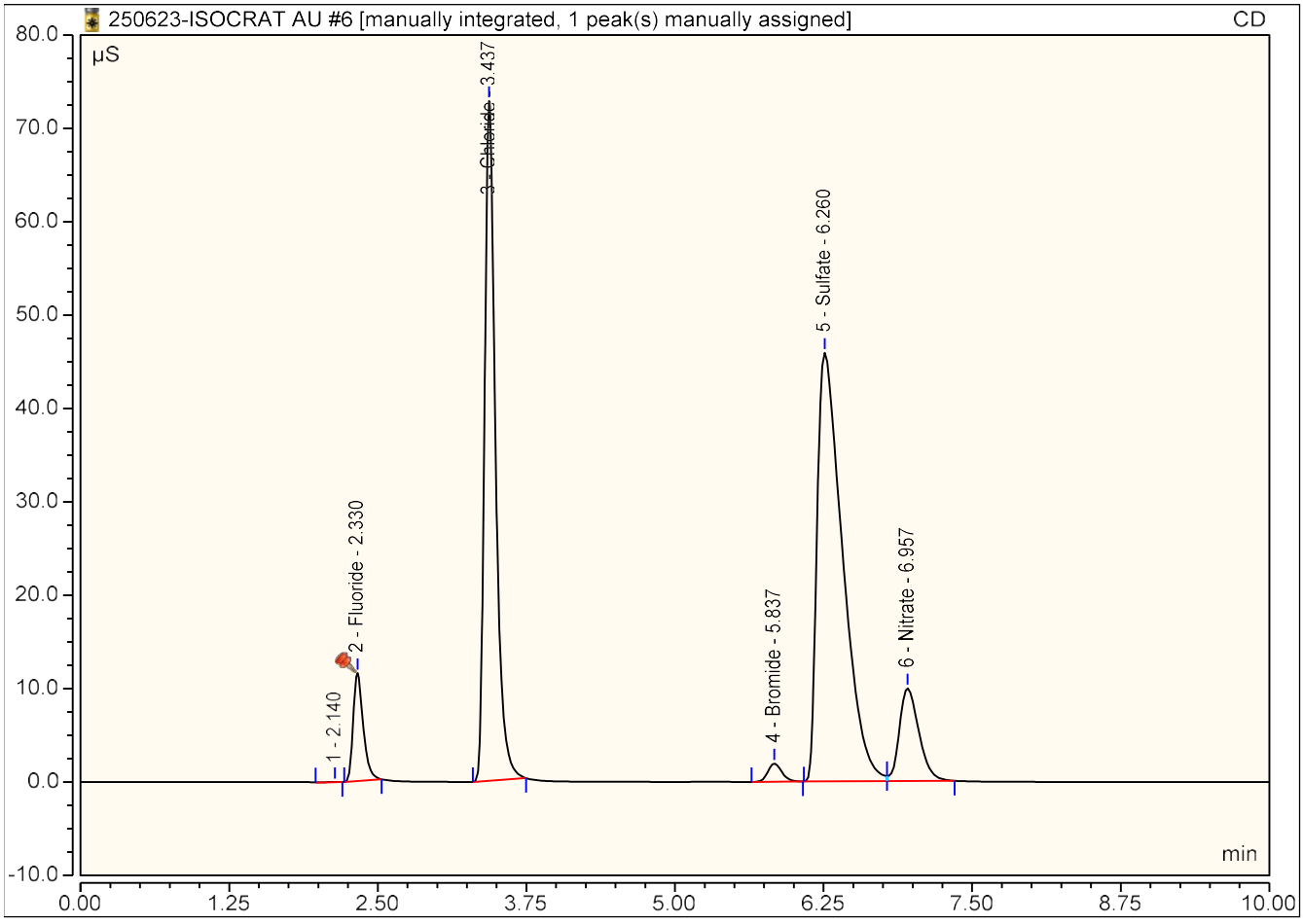
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.240	2.772	0.4593
3	3.43	**Chloride**	BMB	1.847	18.371	4.8782
4	5.87	**Bromide**	BMB	0.056	0.390	0.4524
5	6.43	**Sulfate**	BM *	2.792	14.733	9.9062
6	7.00	**Nitrate**	MB*	0.419	2.404	0.4665
TOTAL:				5.35	38.67	16.16



Peak Integration Report

Sample Name:	**STD 4.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:52**	*Run Time:*	**10.00**

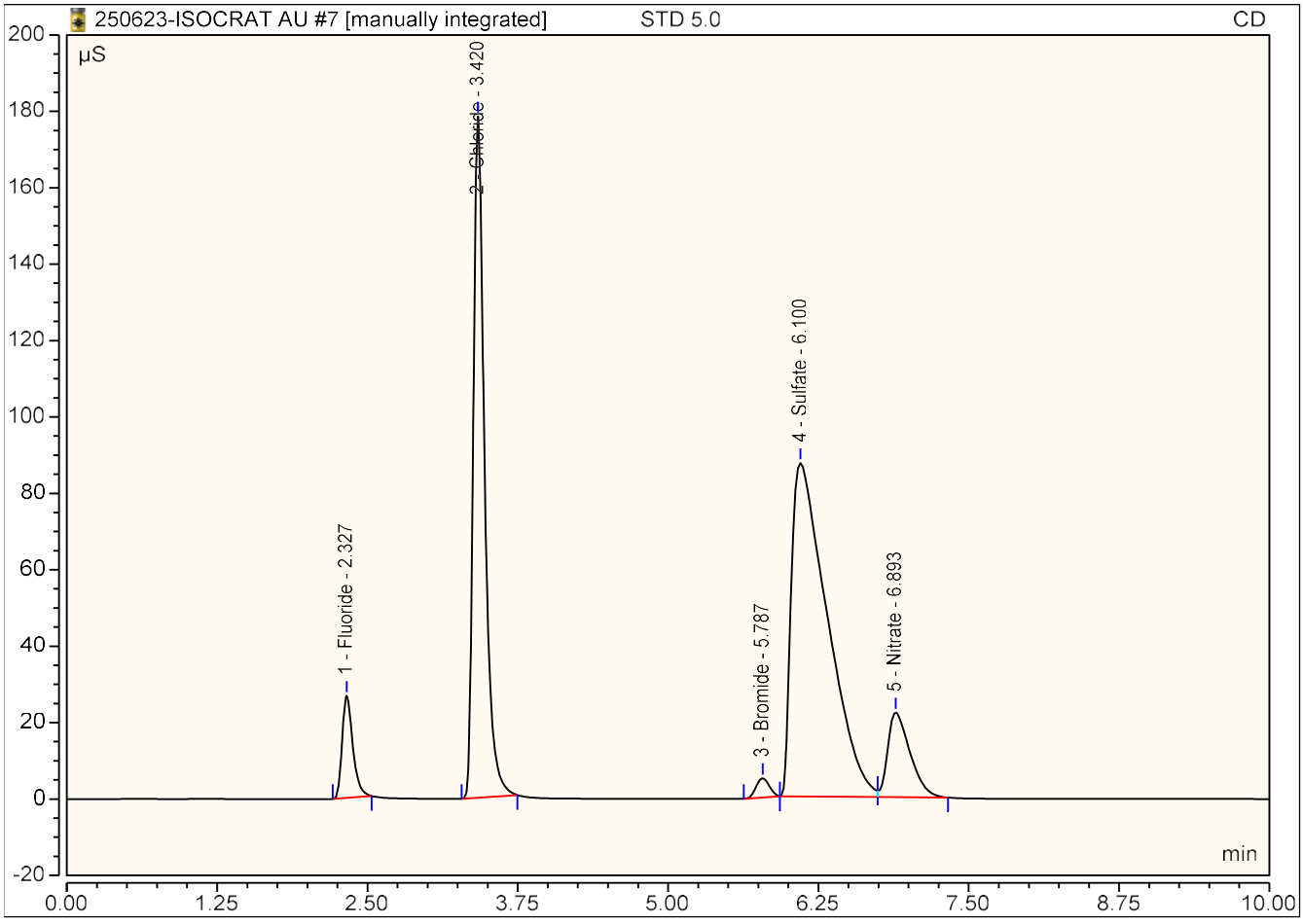
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB^	1.128	11.556	2.0605
3	3.44	**Chloride**	BMB	7.777	72.796	20.2356
4	5.84	**Bromide**	BMB	0.266	1.950	2.0125
5	6.26	**Sulfate**	BM *	11.417	45.897	38.3461
6	6.96	**Nitrate**	MB*	1.886	9.931	2.0083
TOTAL:				22.47	142.13	64.66



Peak Integration Report

Sample Name:	**STD 5.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 21:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	2.748	26.716	4.9806
2	3.42	**Chloride**	BMB	19.240	178.379	49.9206
3	5.79	**Bromide**	BMb*	0.653	5.098	4.8837
4	6.10	**Sulfate**	bM *	30.313	87.355	100.6592
5	6.89	**Nitrate**	MB*	4.778	22.200	5.0460
TOTAL:				57.73	319.75	165.49



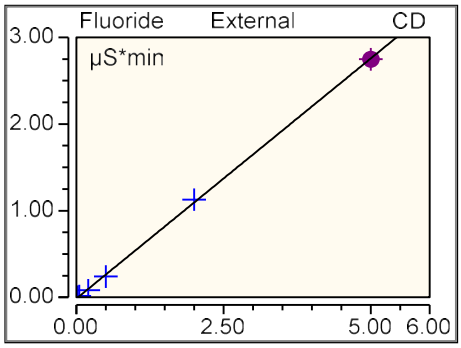
Calibration Batch Report

Sequence:	**250623-ISOCRAT AU**	*Injection Volume:*	**25.00**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 21:04**	*Run Time:*	**10**

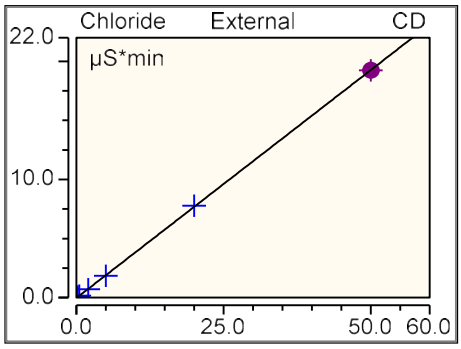
Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffse	6.000	-0.015	0.555	0.000	99.9661
Chloride	Area	in, WithOffse	6.000	-0.037	0.386	0.000	99.9957
Bromide	Area	in, WithOffse	5.000	-0.005	0.135	0.000	99.8572
Sulfate	Area	in, WithOffse	6.000	-0.212	0.303	0.000	99.9523
Nitrate	Area	in, WithOffse	5.000	-0.026	0.952	0.000	99.9388
		AVERAGE:		-0.0588	0.4662	0.0000	99.9420

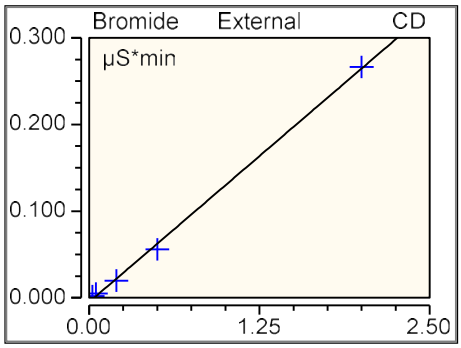
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Fluoride	Fluoride	Fluoride	Fluoride
STD 0.5	2.303	0.0080	0.086	0.042
STD 1.0	2.337	0.0156	0.178	0.055
STD 2.0	2.260	0.0832	0.947	0.177
STD 3.0	2.313	0.2396	2.772	0.459
STD 4.0	2.330	1.1278	11.556	2.061
STD 5.0	2.327	2.7476	26.716	4.981
Average	2.312			
Rel. Std. Dev.	1.212 %			



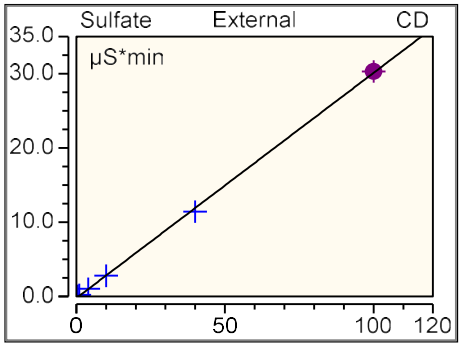
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Chloride	Chloride	Chloride	Chloride
STD 0.5	3.427	0.0724	0.739	0.283
STD 1.0	3.453	0.1581	1.647	0.505
STD 2.0	3.353	0.7076	6.976	1.928
STD 3.0	3.427	1.8469	18.371	4.878
STD 4.0	3.437	7.7770	72.796	20.236
STD 5.0	3.420	19.2396	178.379	49.921
Average	3.419			
Rel. Std. Dev.	1.006 %			



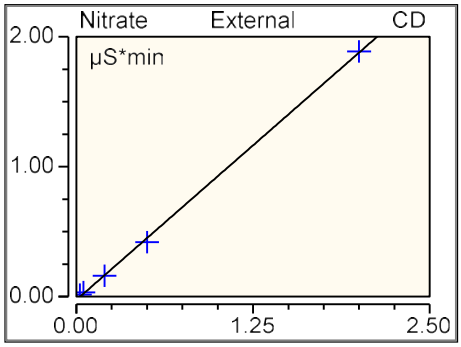
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Bromide	Bromide	Bromide	Bromide
STD 0.5	5.923	0.0019	0.014	0.051
STD 1.0	5.880	0.0050	0.034	0.074
STD 2.0	5.787	0.0199	0.138	0.185
STD 3.0	5.867	0.0560	0.390	0.452
STD 4.0	5.837	0.2663	1.950	2.013
STD 5.0	5.787	0.6535	5.098	4.884
Average	5.847			
Rel. Std. Dev.	0.927 %			



Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Sulfate	Sulfate	Sulfate	Sulfate
STD 0.5	6.550	0.0971	0.553	1.018
STD 1.0	6.440	0.2297	1.385	1.455
STD 2.0	6.270	1.0363	5.755	4.115
STD 3.0	6.427	2.7924	14.733	9.906
STD 4.0	6.260	11.4169	45.897	38.346
STD 5.0	6.100	30.3133	87.355	100.659
Average	6.341			
Rel. Std. Dev.	2.548 %			



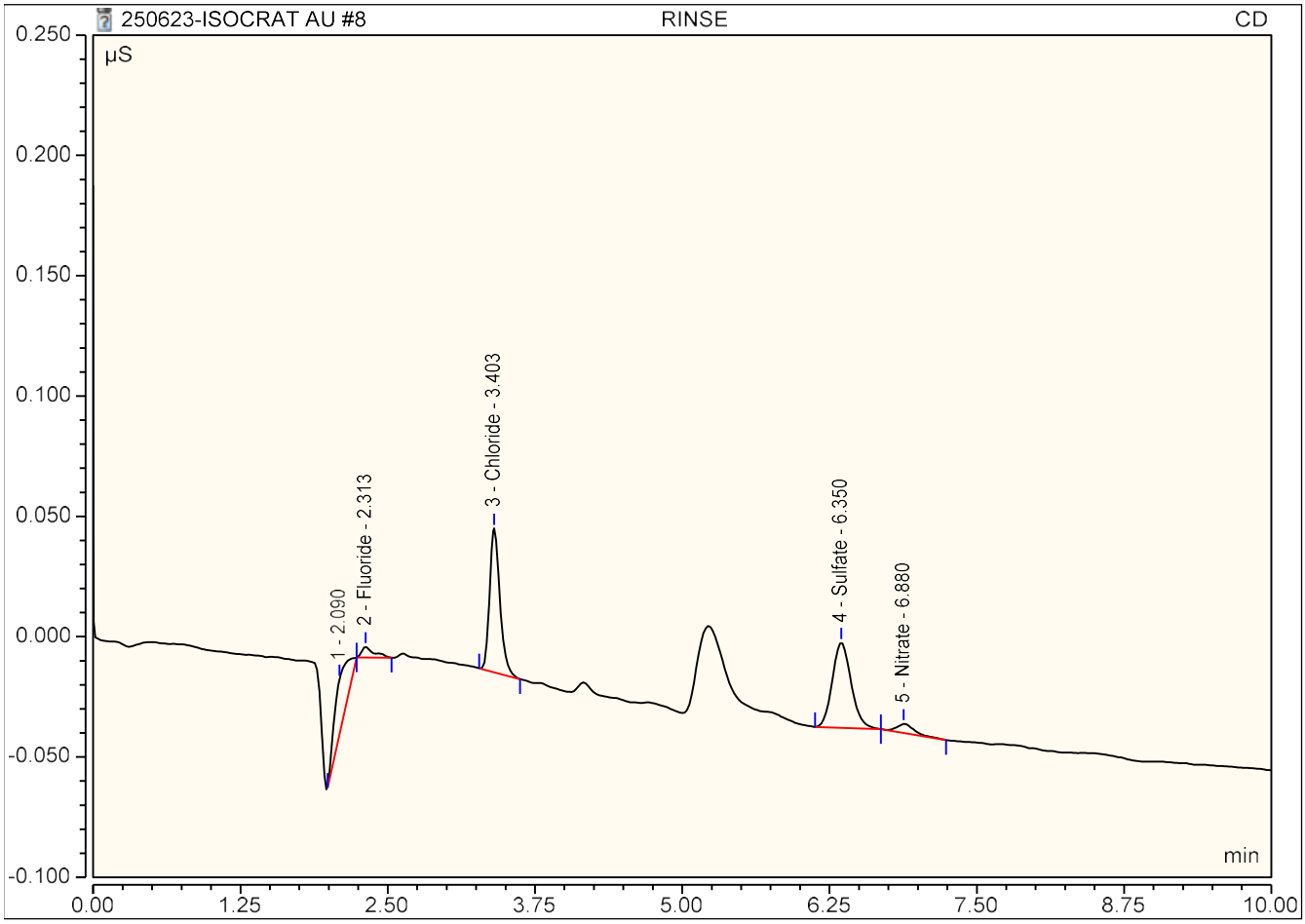
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Nitrate	Nitrate	Nitrate	Nitrate
STD 0.5	7.073	0.0153	0.087	0.043
STD 1.0	7.020	0.0337	0.187	0.062
STD 2.0	6.927	0.1600	0.832	0.195
STD 3.0	7.000	0.4186	2.404	0.467
STD 4.0	6.957	1.8863	9.931	2.008
STD 5.0	6.893	4.7780	22.200	5.046
Average	6.978			
Rel. Std. Dev.	0.942 %			



Peak Integration Report

Sample Name:	**RINSE**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 15:40**	*Run Time:*	**10.00**

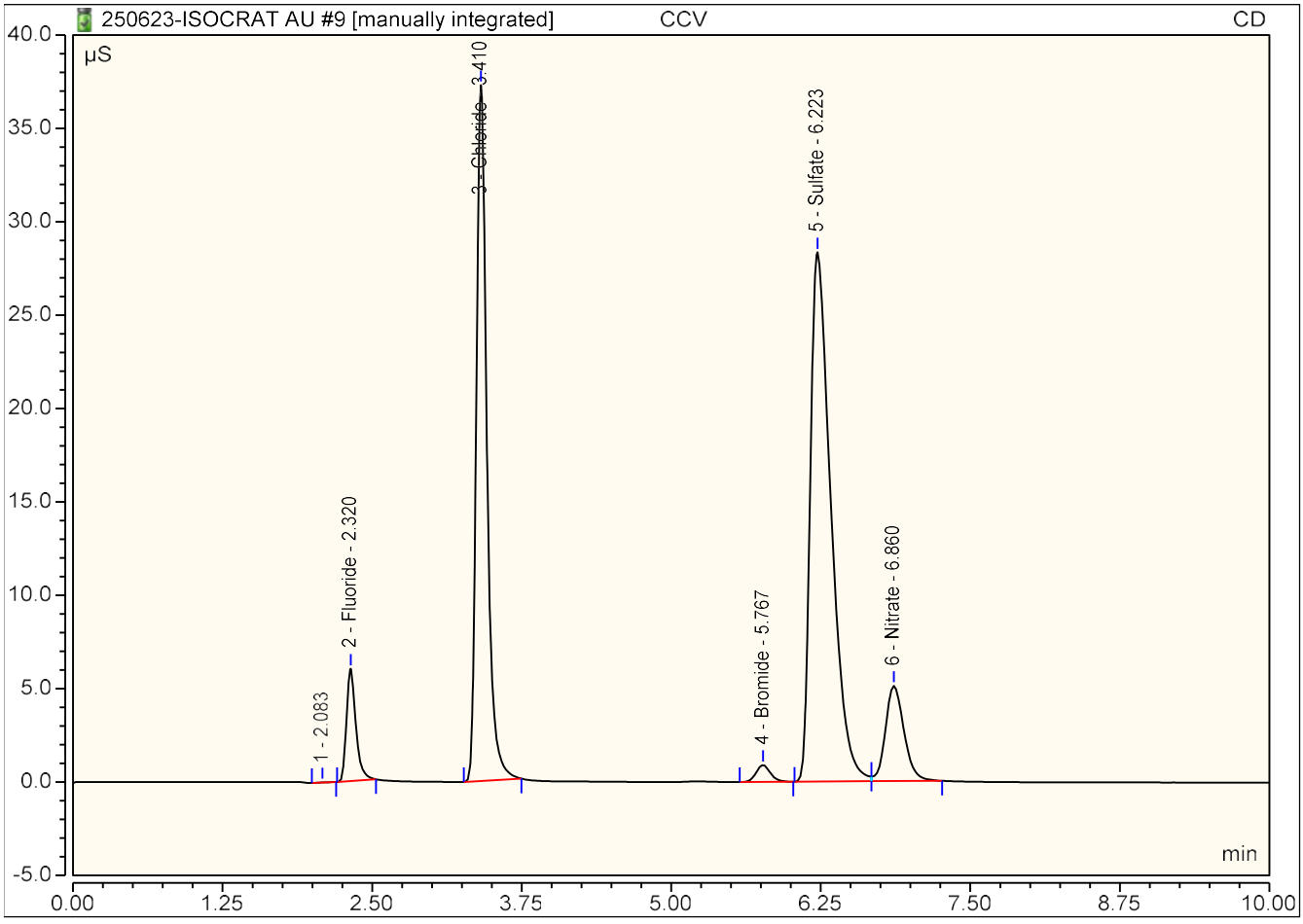
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.004	0.0283
3	3.40	**Chloride**	BMB	0.006	0.060	0.1110
4	6.35	**Sulfate**	BMB	0.007	0.035	0.7194
5	6.88	**Nitrate**	BMB	0.001	0.004	0.0275
TOTAL:				0.01	0.10	0.89



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 15:52**	*Run Time:*	**10.00**

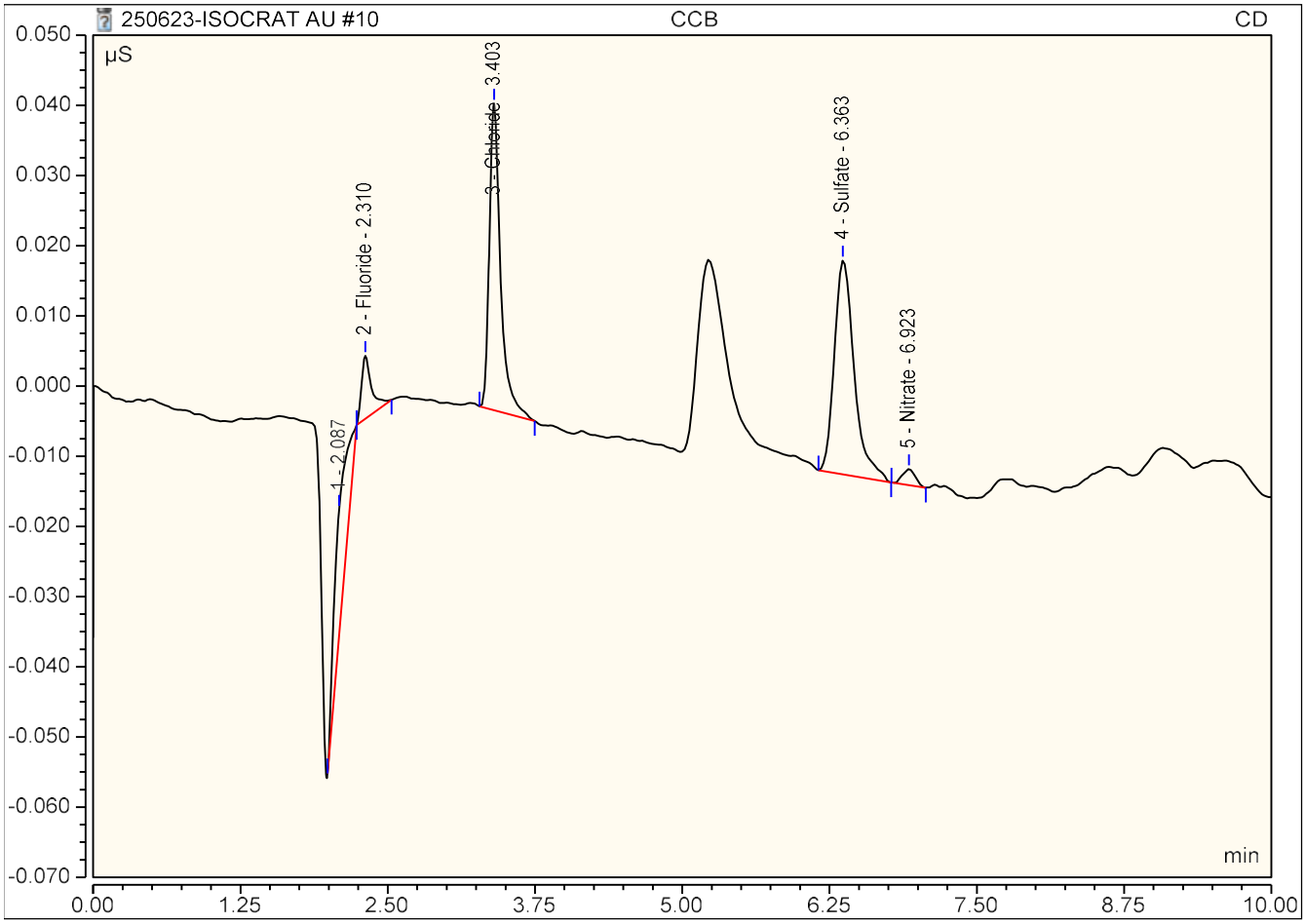
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.542	6.011	1.0049
3	3.41	**Chloride**	BMB	3.785	37.250	9.8986
4	5.77	**Bromide**	BMB	0.126	0.908	0.9747
5	6.22	**Sulfate**	BM *	5.665	28.332	19.3779
6	6.86	**Nitrate**	MB*	0.921	5.102	0.9942
TOTAL:				11.04	77.60	32.25



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 16:04**	*Run Time:*	**10.00**

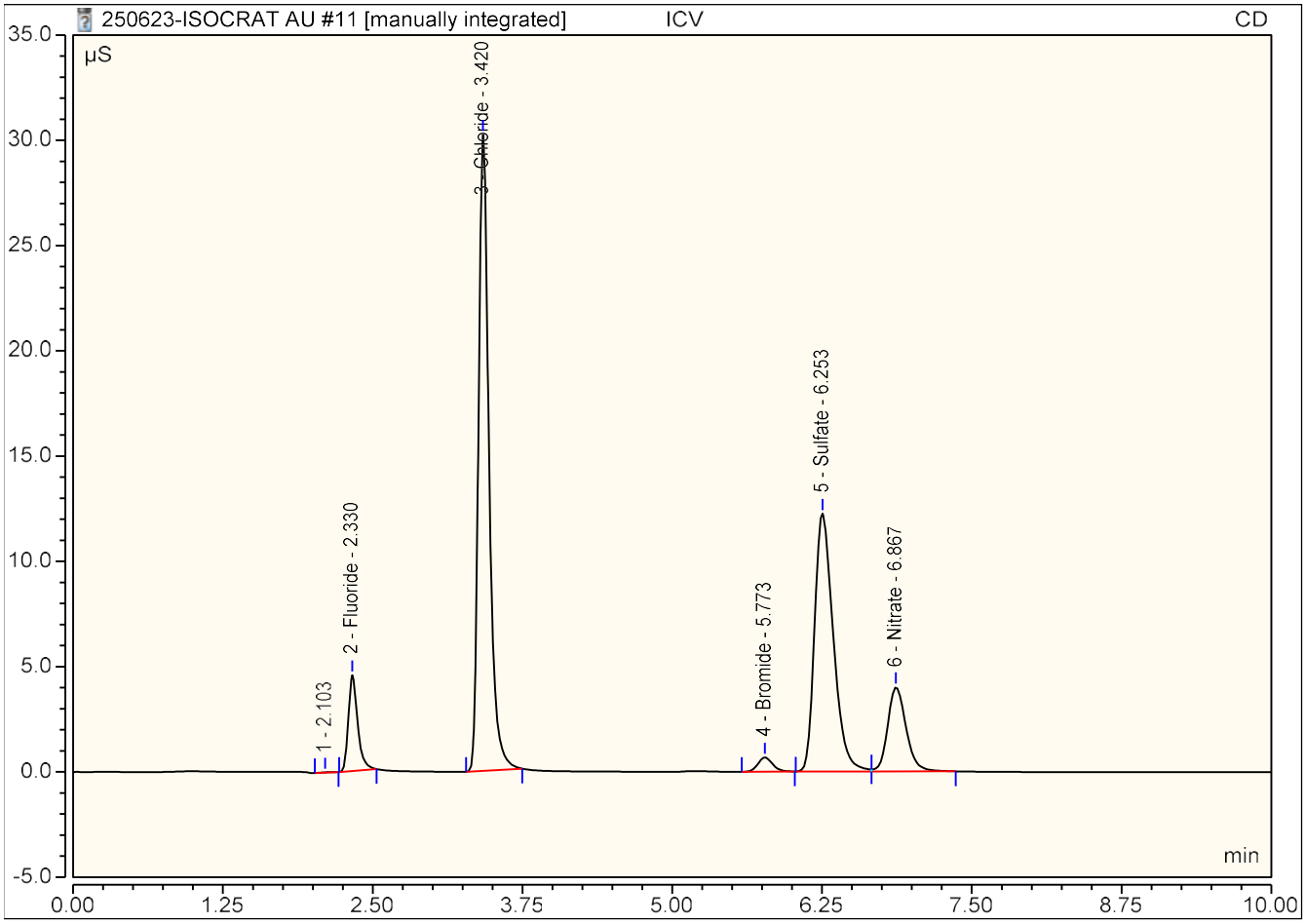
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.009	0.0289
3	3.40	**Chloride**	BMB	0.005	0.044	0.1078
4	6.36	**Sulfate**	BMB	0.006	0.030	0.7175
5	6.92	**Nitrate**	BMB	0.000	0.002	0.0272
TOTAL:				0.01	0.09	0.88



Peak Integration Report

Sample Name:	**ICV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 16:16**	*Run Time:*	**10.00**

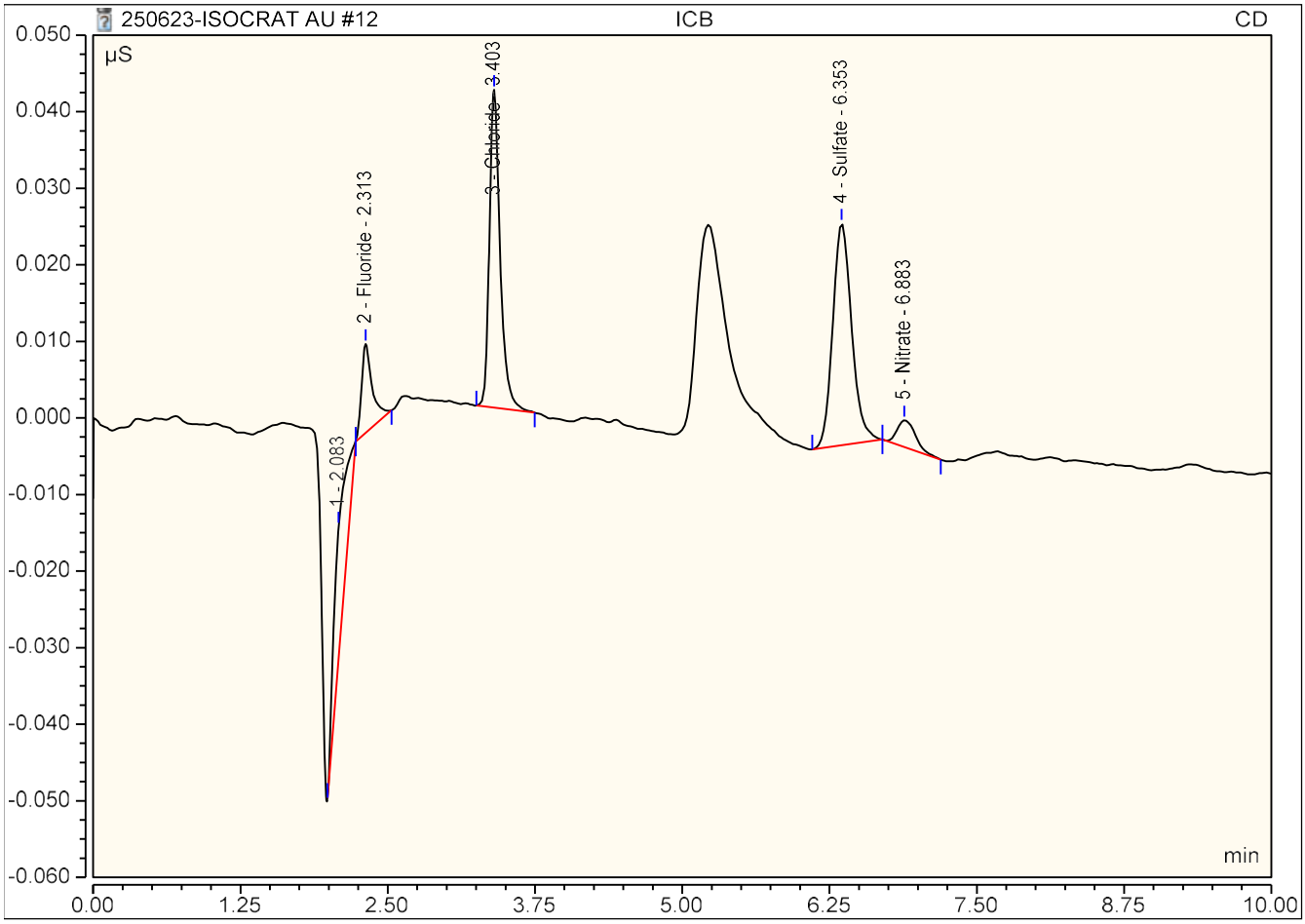
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.407	4.556	0.7619
3	3.42	**Chloride**	BMB	3.071	30.212	8.0471
4	5.77	**Bromide**	BMB	0.096	0.680	0.7469
5	6.25	**Sulfate**	BM *	2.218	12.242	8.0104
6	6.87	**Nitrate**	MB*	0.714	4.001	0.7765
TOTAL:				6.50	51.69	18.34



Peak Integration Report

Sample Name:	**ICB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 16:28**	*Run Time:*	**10.00**

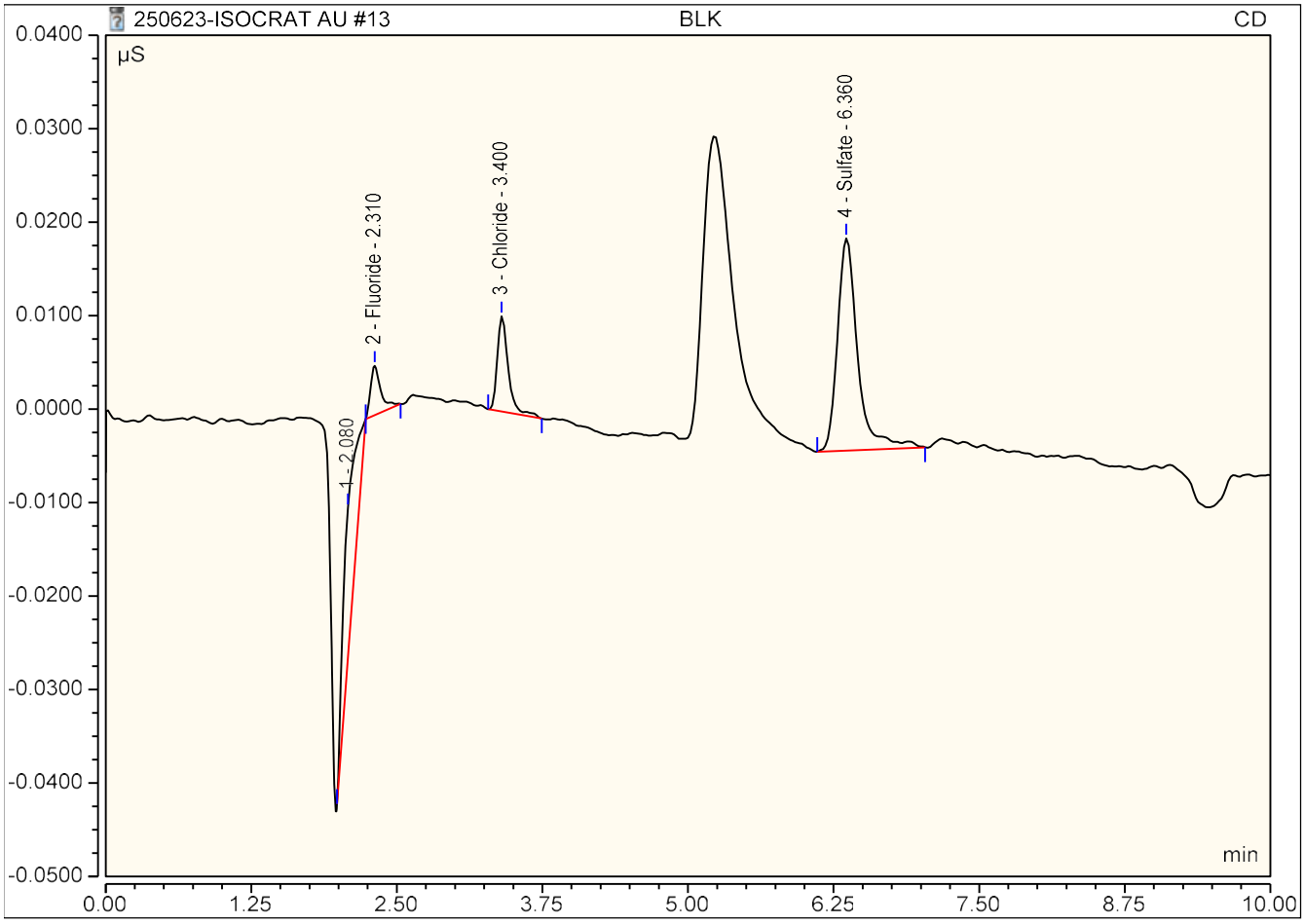
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.012	0.0295
3	3.40	**Chloride**	BMB	0.004	0.041	0.1066
4	6.35	**Sulfate**	BMB	0.005	0.029	0.7156
5	6.88	**Nitrate**	BMB	0.001	0.003	0.0275
TOTAL:				0.01	0.09	0.88



Peak Integration Report

Sample Name:	**BLK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 16:40**	*Run Time:*	**10.00**

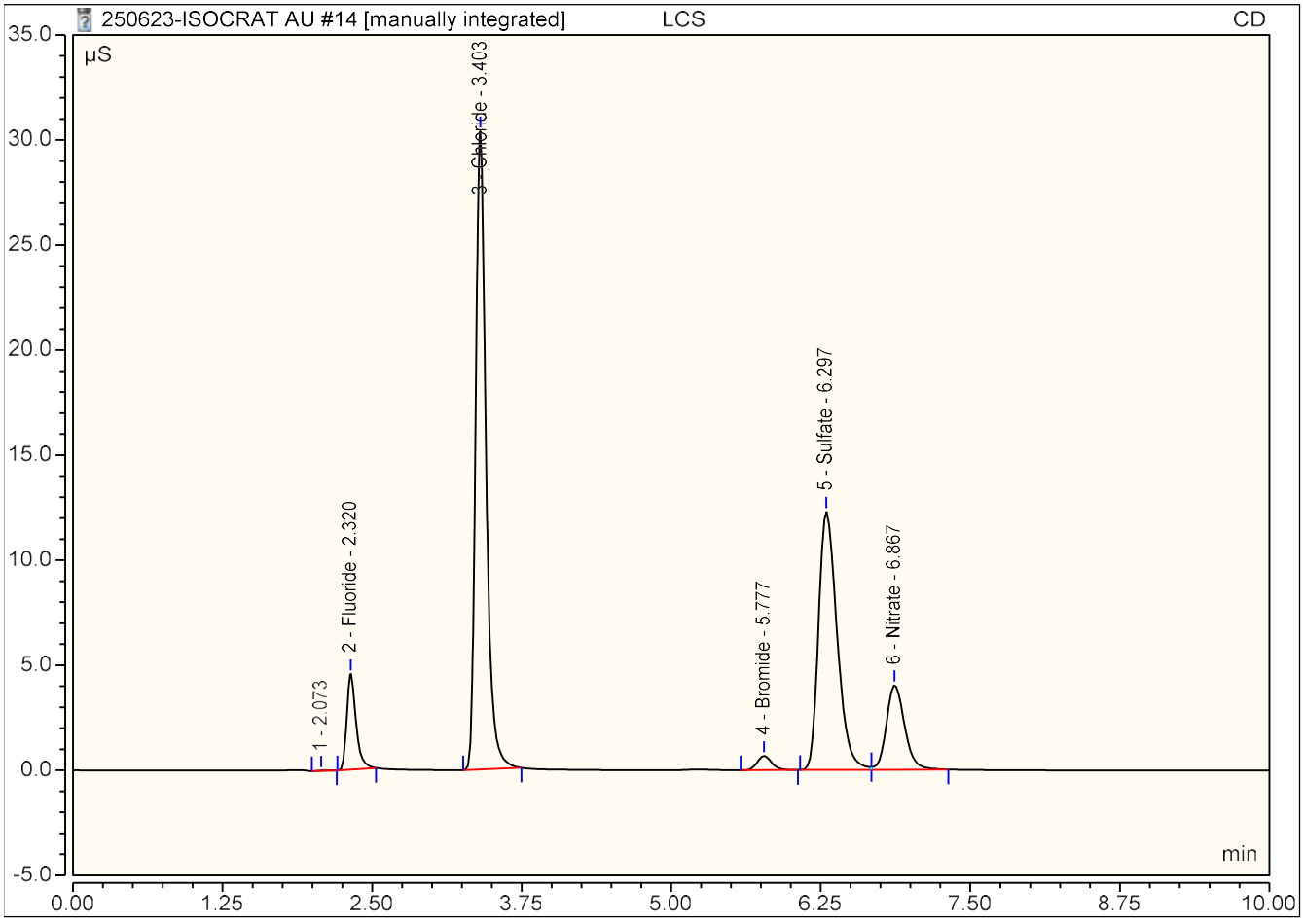
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.005	0.0282
3	3.40	**Chloride**	BMB	0.001	0.010	0.0982
4	6.36	**Sulfate**	BMB	0.005	0.023	0.7129
TOTAL:				0.01	0.04	0.84



Peak Integration Report

Sample Name:	**LCS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 16:52**	*Run Time:*	**10.00**

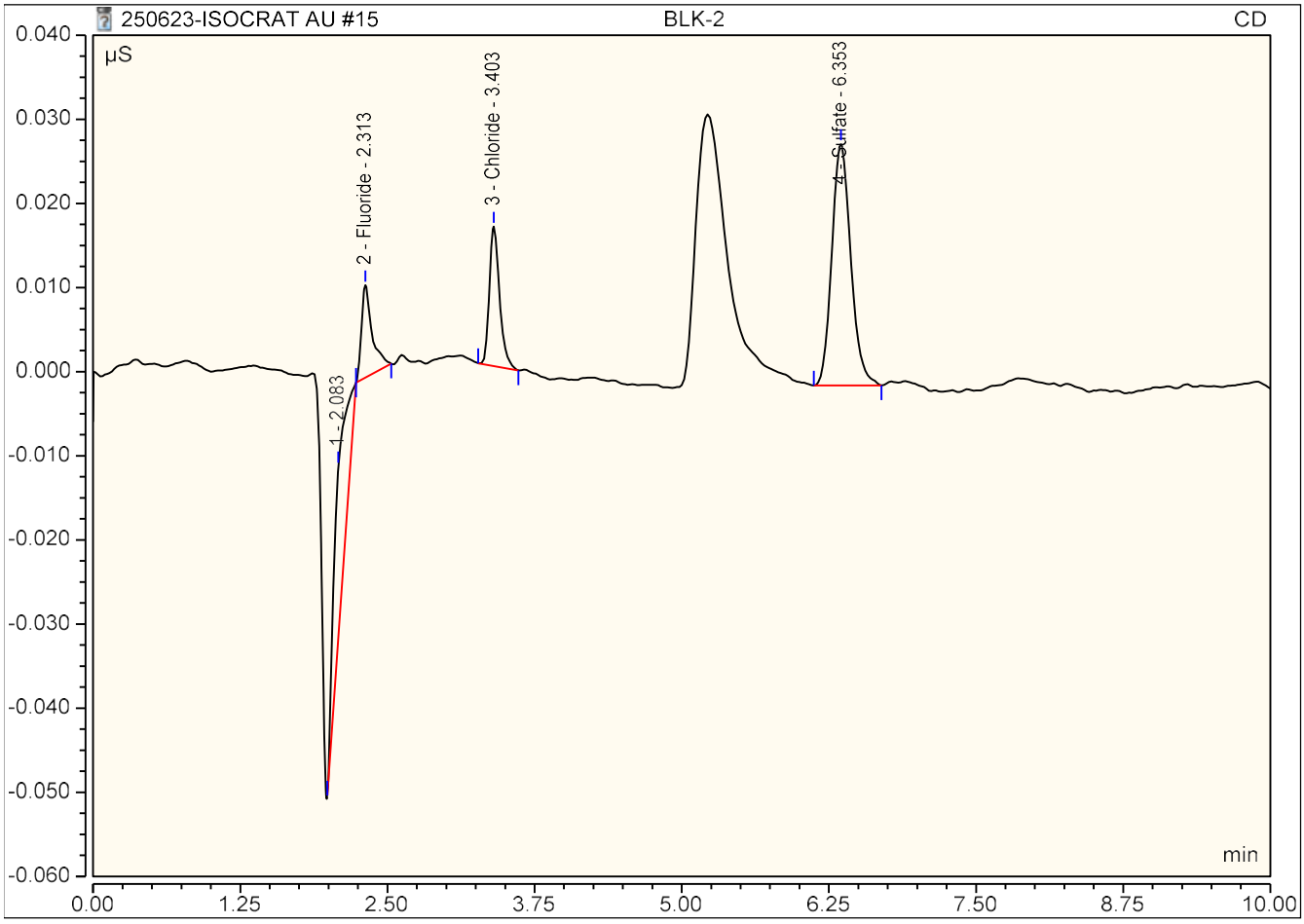
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.405	4.551	0.7572
3	3.40	**Chloride**	BMB	3.060	30.378	8.0206
4	5.78	**Bromide**	BMB	0.097	0.683	0.7532
5	6.30	**Sulfate**	BM *	2.204	12.291	7.9661
6	6.87	**Nitrate**	MB*	0.712	4.030	0.7743
TOTAL:				6.48	51.93	18.27



Peak Integration Report

Sample Name:	**BLK-2**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 17:05**	*Run Time:*	**10.00**

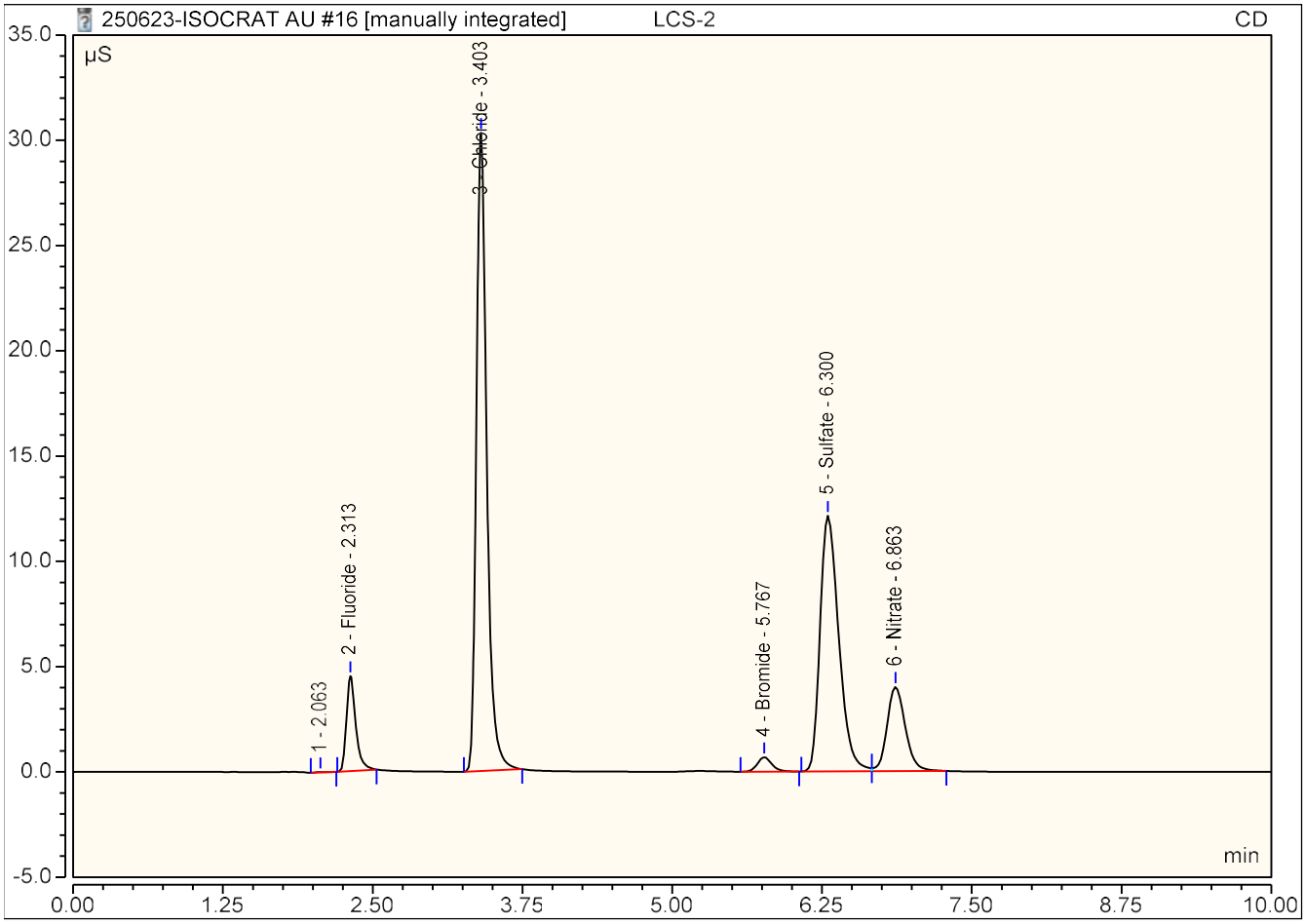
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.011	0.0294
3	3.40	**Chloride**	BMB	0.002	0.017	0.0997
4	6.35	**Sulfate**	BMB	0.005	0.029	0.7155
TOTAL:				0.01	0.06	0.84



Peak Integration Report

Sample Name:	**LCS-2**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 17:17**	*Run Time:*	**10.00**

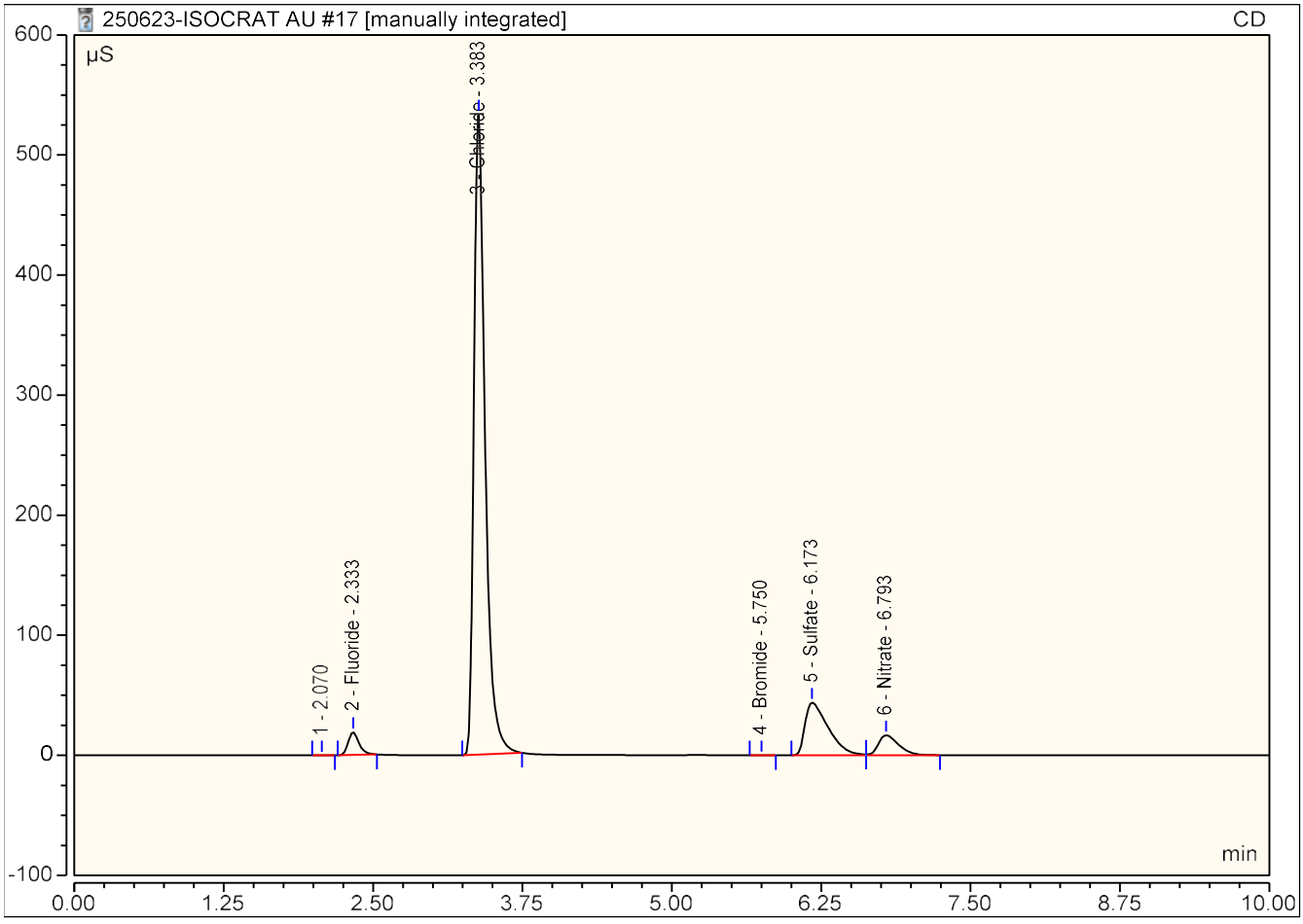
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.402	4.518	0.7513
3	3.40	**Chloride**	BMB	3.046	30.308	7.9839
4	5.77	**Bromide**	BMB	0.097	0.685	0.7549
5	6.30	**Sulfate**	BM *	2.193	12.145	7.9297
6	6.86	**Nitrate**	MB*	0.709	4.005	0.7714
TOTAL:				6.45	51.66	18.19



Peak Integration Report

Sample Name:	**XL2537383-01 SO4 NO3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 17:29**	*Run Time:*	**10.00**

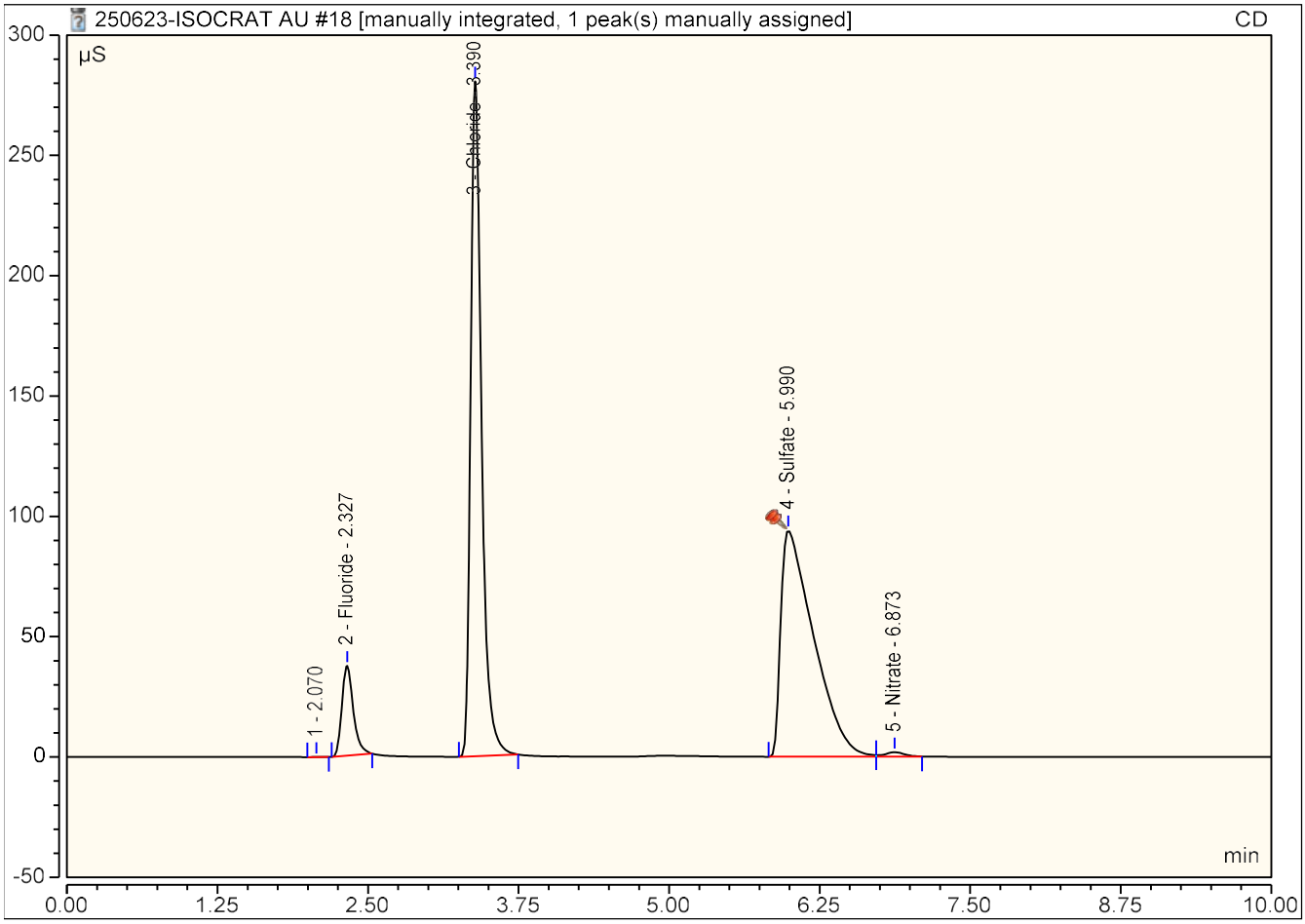
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	2.017	19.073	3.6640
3	3.38	**Chloride**	BMB	57.737	533.220	149.6172
4	5.75	**Bromide**	BMB	0.000	0.003	0.0399
5	6.17	**Sulfate**	BM *	9.836	43.839	33.1318
6	6.79	**Nitrate**	MB*	3.255	16.561	3.4464
TOTAL:				72.85	612.70	189.90



Peak Integration Report

Sample Name:	**XL2537958-03 F SO4**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 17:41**	*Run Time:*	**10.00**

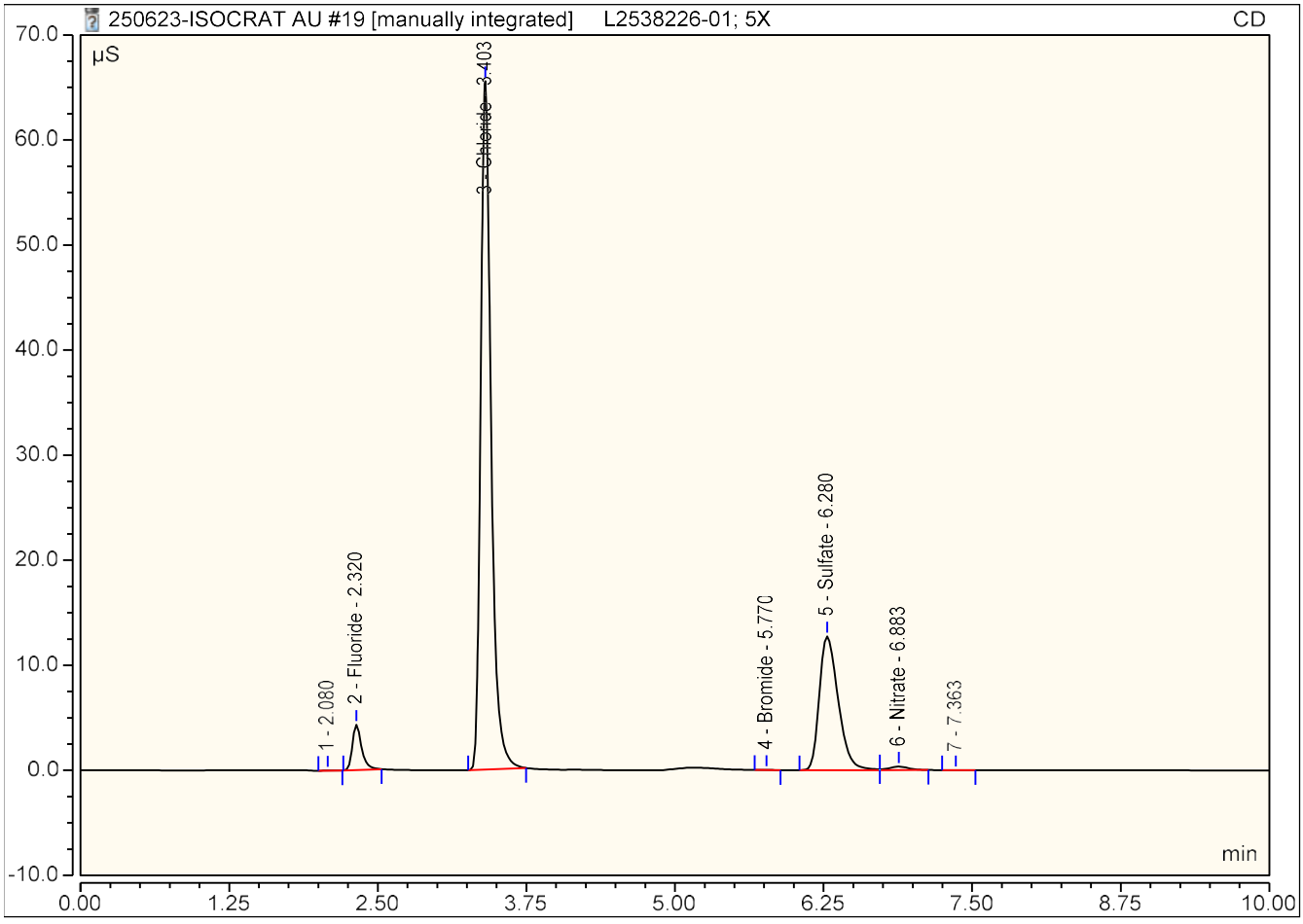
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	4.100	37.364	7.4187
3	3.39	**Chloride**	BMB	29.381	280.470	76.1846
4	5.99	**Sulfate**	BM *^	29.632	94.114	98.4129
5	6.87	**Nitrate**	MB*	0.332	1.796	0.3759
TOTAL:				63.45	413.74	182.39



Peak Integration Report

Sample Name:	**L2538226-01; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 17:53**	*Run Time:*	**10.00**

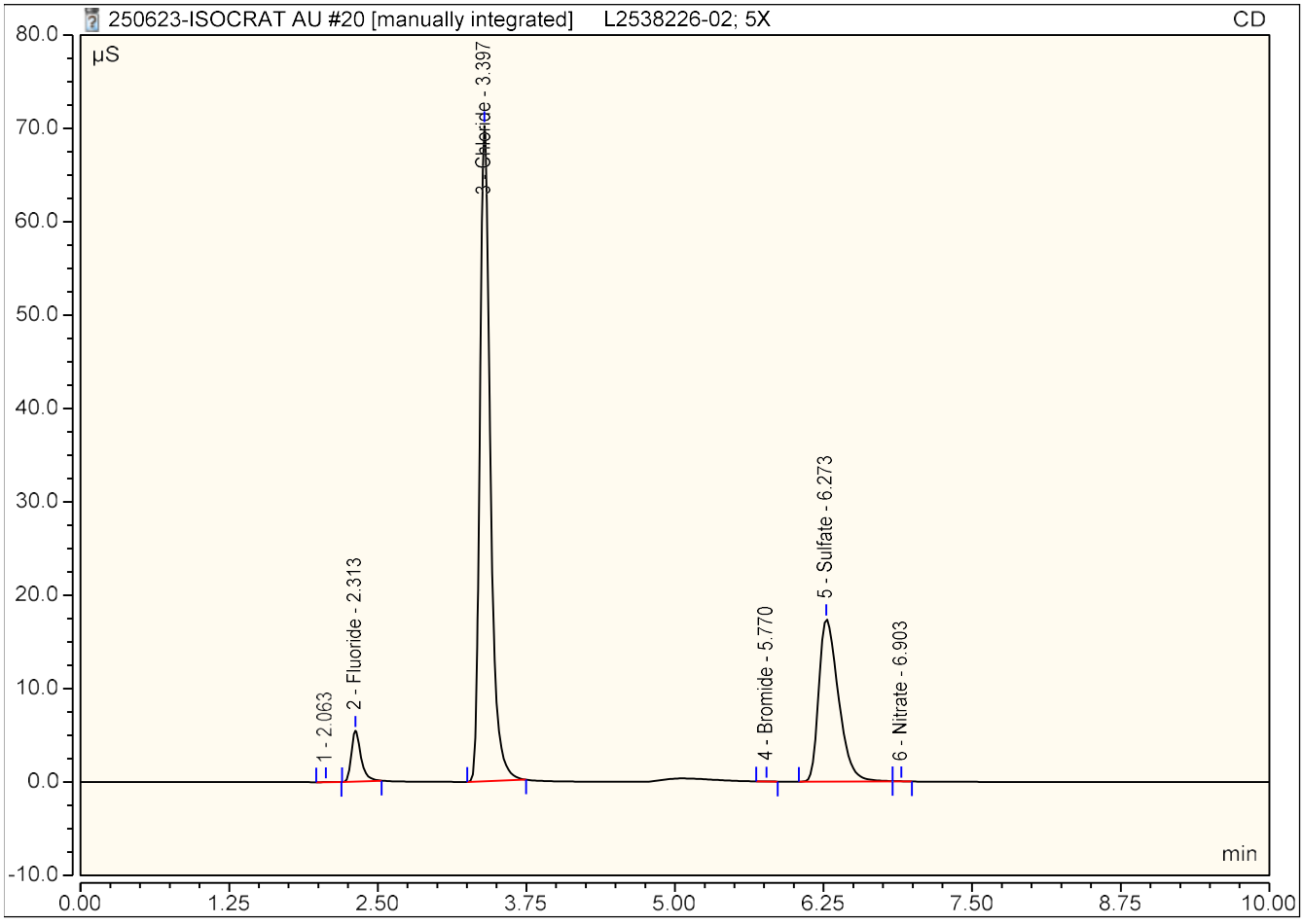
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.388	4.314	3.6333
3	3.40	**Chloride**	BMB	6.674	65.542	86.8973
4	5.77	**Bromide**	BMB	0.000	0.003	0.1999
5	6.28	**Sulfate**	BM *	2.338	12.732	42.0333
6	6.88	**Nitrate**	MB*	0.062	0.329	0.4574
TOTAL:				9.46	82.92	133.22



Peak Integration Report

Sample Name:	**L2538226-02; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 18:05**	*Run Time:*	**10.00**

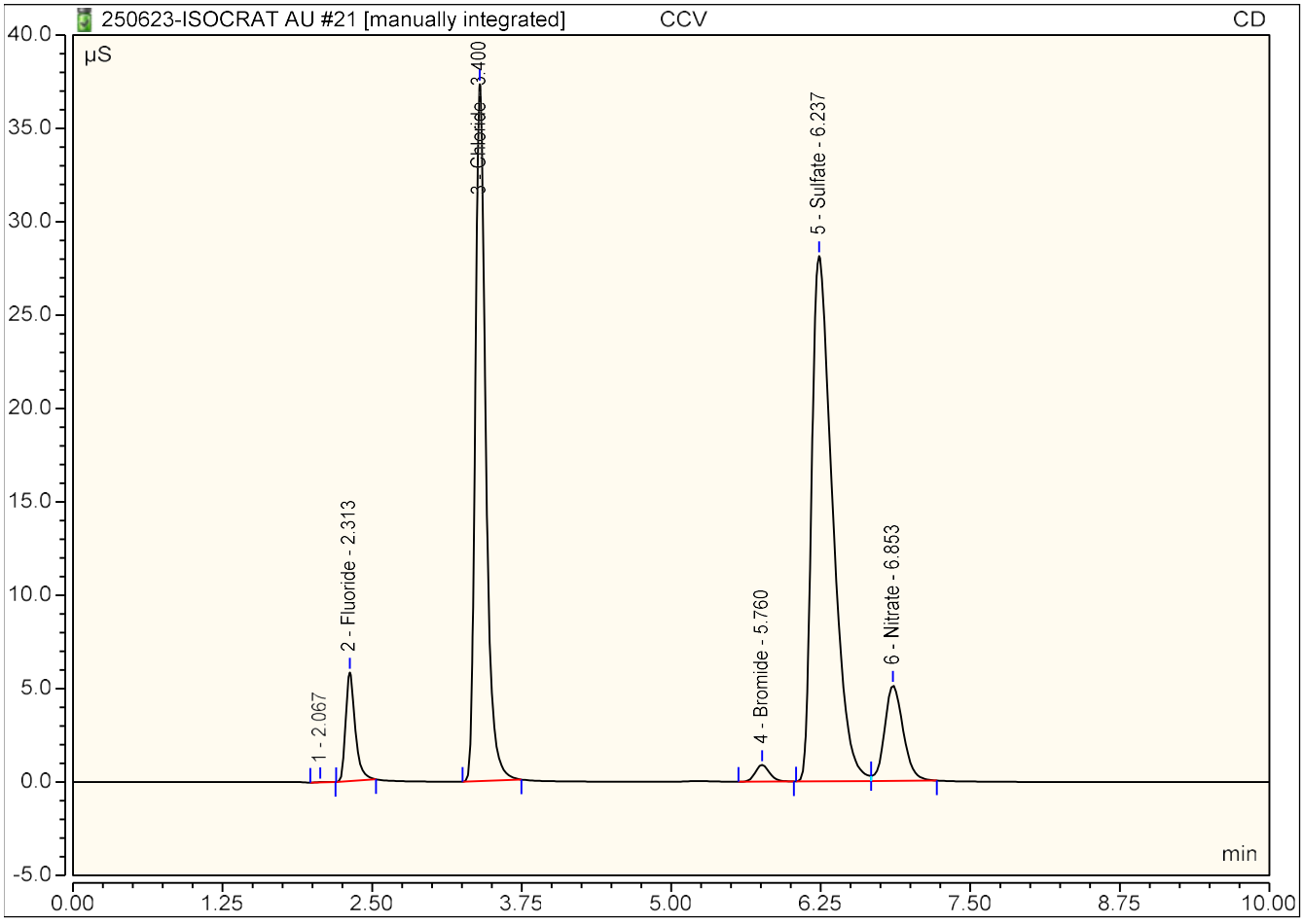
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.506	5.460	4.6969
3	3.40	**Chloride**	BMB	7.170	70.170	93.3144
4	5.77	**Bromide**	BMB	0.000	0.002	0.1940
5	6.27	**Sulfate**	BM *	3.347	17.414	58.6783
6	6.90	**Nitrate**	MB*	0.004	0.031	0.1569
TOTAL:				11.03	93.08	157.04



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 18:17**	*Run Time:*	**10.00**

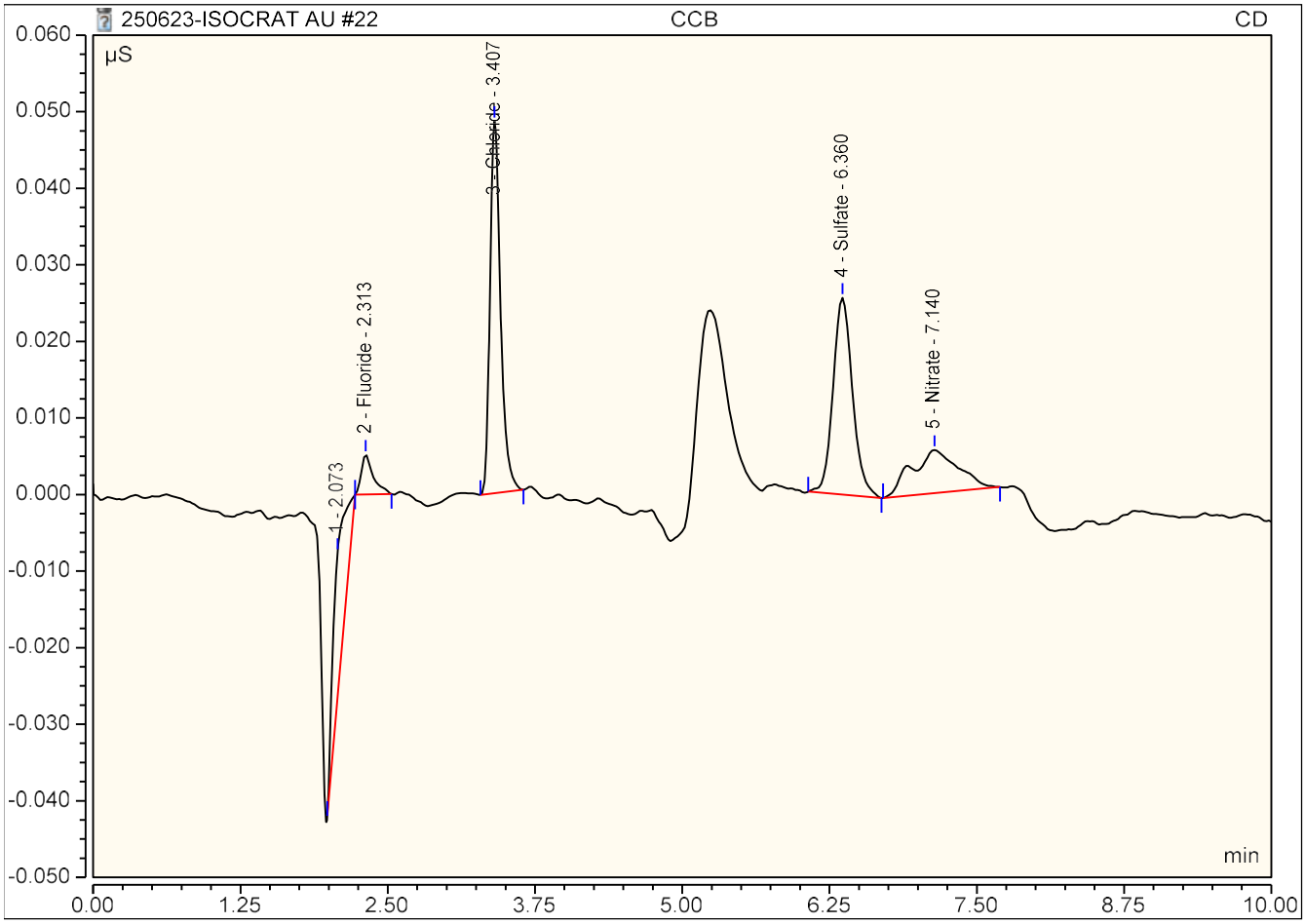
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.534	5.814	0.9895
3	3.40	**Chloride**	BMB	3.798	37.313	9.9313
4	5.76	**Bromide**	BMB	0.125	0.900	0.9674
5	6.24	**Sulfate**	BM *	5.676	28.129	19.4137
6	6.85	**Nitrate**	MB*	0.919	5.104	0.9925
TOTAL:				11.05	77.26	32.29



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 18:29**	*Run Time:*	**10.00**

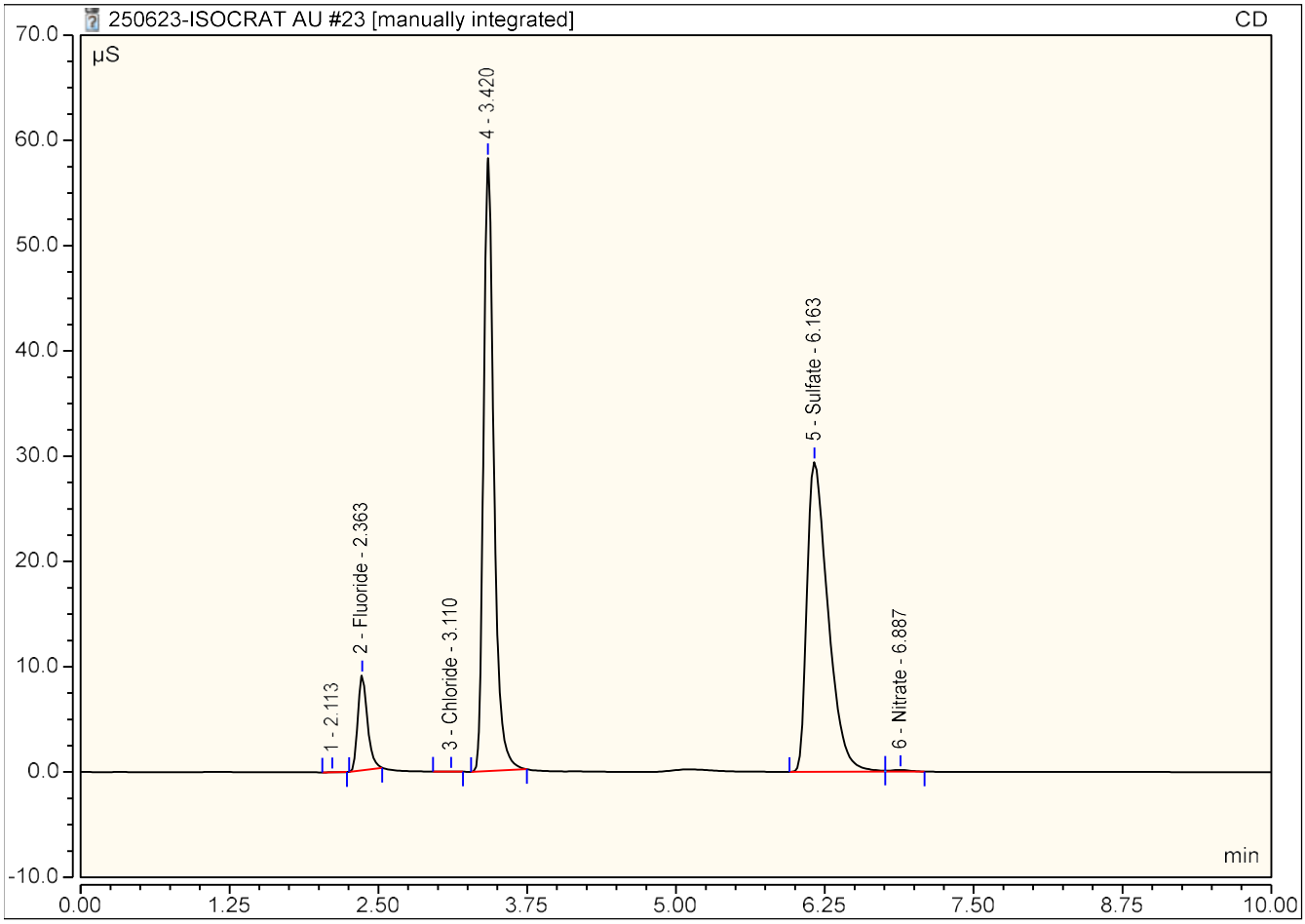
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.005	0.0284
3	3.41	**Chloride**	BMB	0.005	0.049	0.1083
4	6.36	**Sulfate**	BMB	0.005	0.026	0.7140
5	7.14	**Nitrate**	BMB	0.003	0.006	0.0296
TOTAL:				0.01	0.09	0.88



Peak Integration Report

Sample Name:	**L2536153-03; 5X F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 18:41**	*Run Time:*	**10.00**

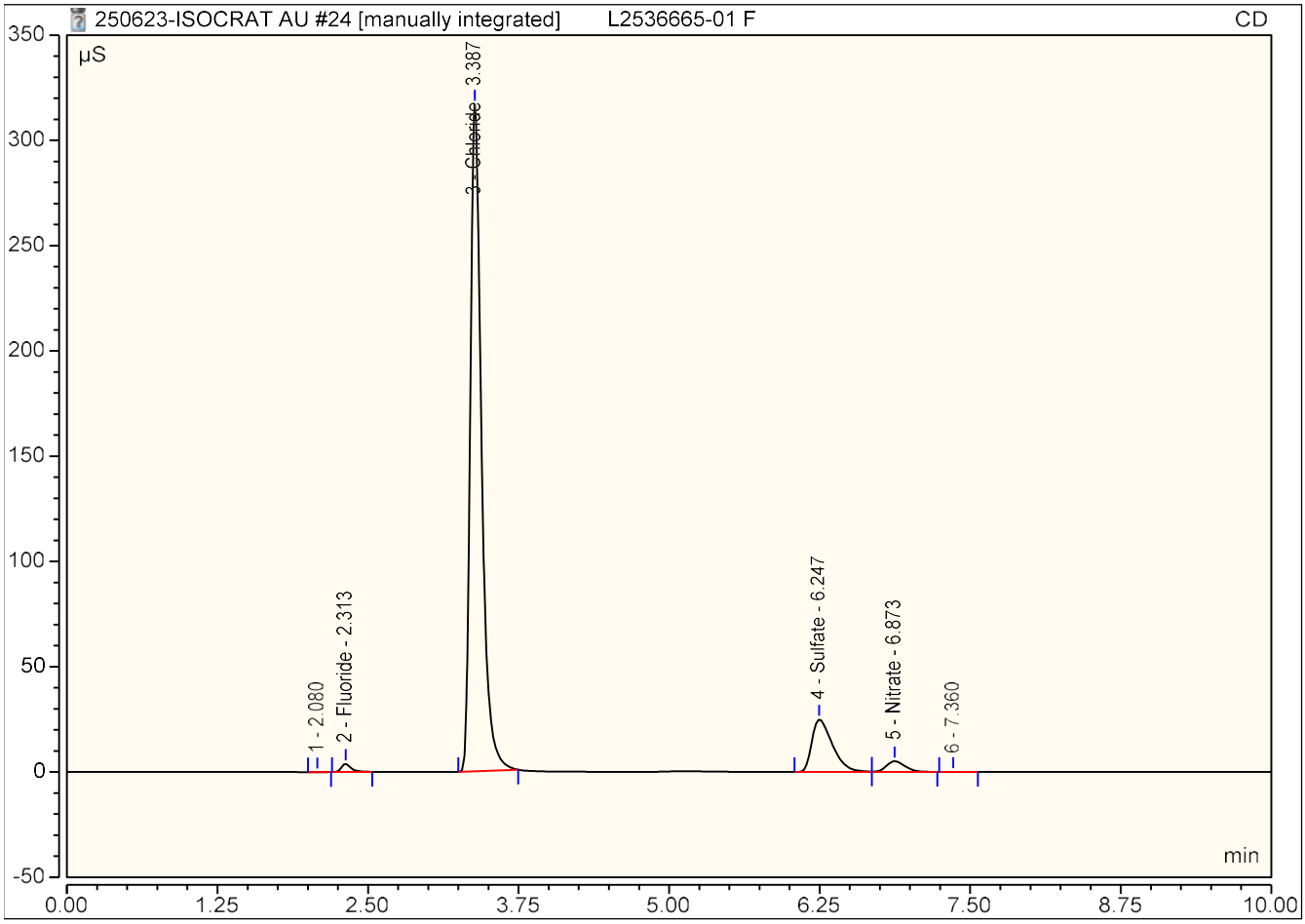
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.36	**Fluoride**	BMB	0.843	9.024	7.7321
3	3.11	**Chloride**	BMB	0.001	0.005	0.4860
5	6.16	**Sulfate**	BM *	6.033	29.421	102.9686
6	6.89	**Nitrate**	MB*	0.032	0.163	0.3003
TOTAL:				6.91	38.61	111.49



Peak Integration Report

Sample Name:	**L2536665-01 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 18:53**	*Run Time:*	**10.00**

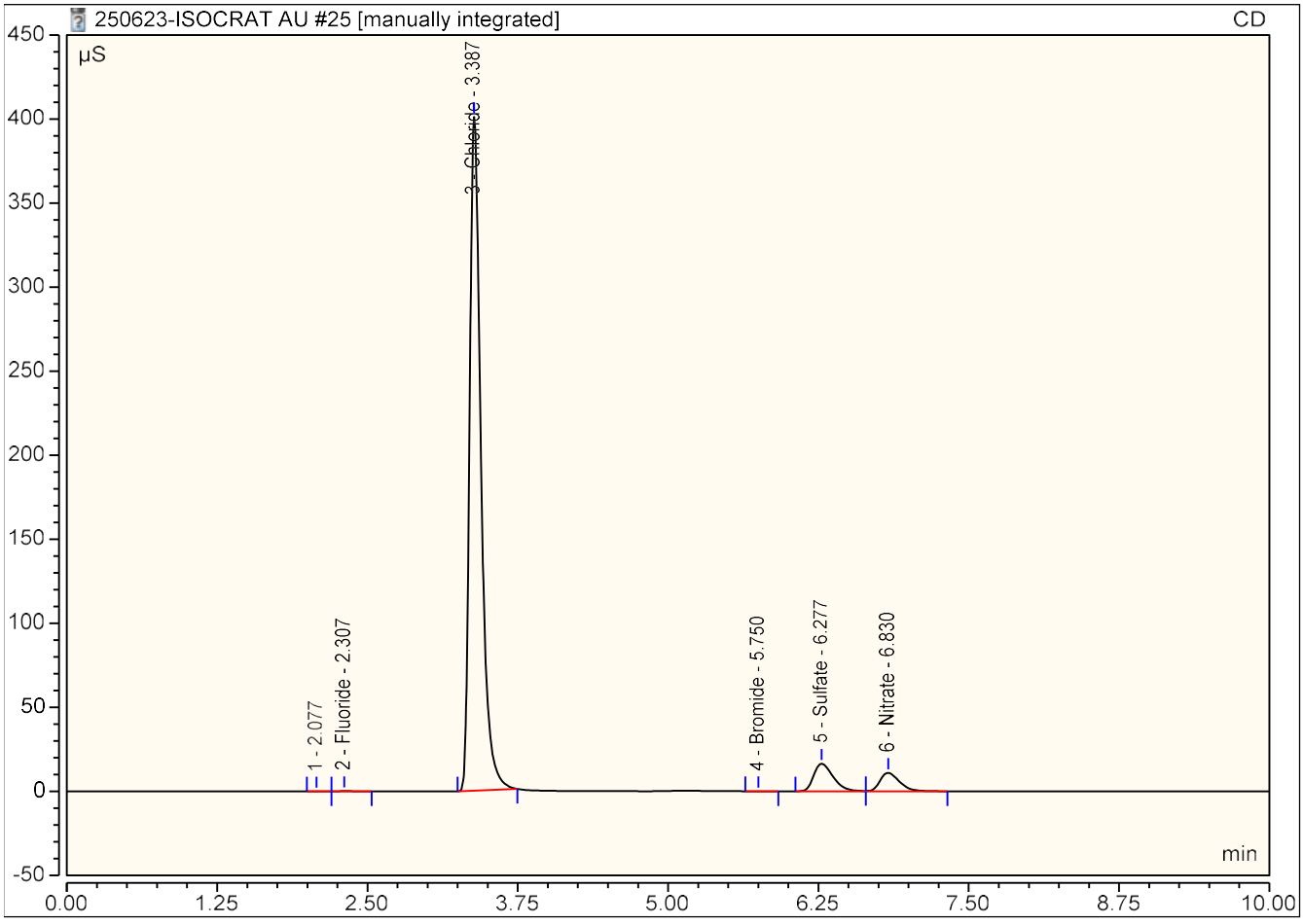
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.355	3.828	0.6677
3	3.39	**Chloride**	BMB	34.105	316.776	88.4191
4	6.25	**Sulfate**	BM *	4.922	24.888	16.9297
5	6.87	**Nitrate**	MB*	0.913	5.071	0.9859
TOTAL:				40.30	350.56	107.00



Peak Integration Report

Sample Name:	**L2536196-02 CL SO4**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 19:06**	*Run Time:*	**10.00**

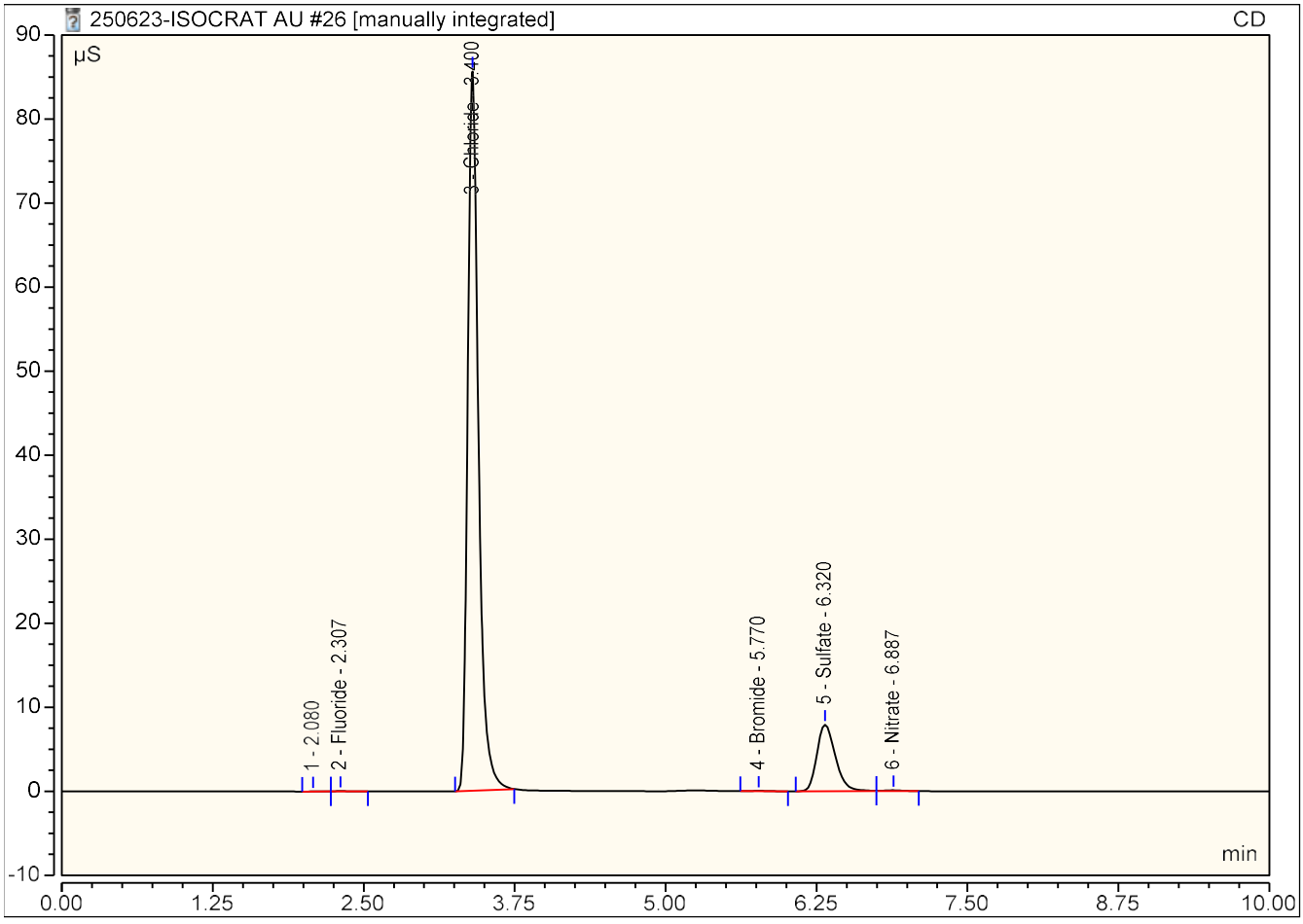
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.025	0.254	0.0723
3	3.39	**Chloride**	BMB	43.573	400.874	112.9375
4	5.75	**Bromide**	BMB	0.002	0.019	0.0554
5	6.28	**Sulfate**	BM *	3.076	16.452	10.8405
6	6.83	**Nitrate**	MB*	2.054	10.972	2.1843
TOTAL:				48.73	428.57	126.09



Peak Integration Report

Sample Name:	**L2537336-02; 25X CL**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**25.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 19:18**	*Run Time:*	**10.00**

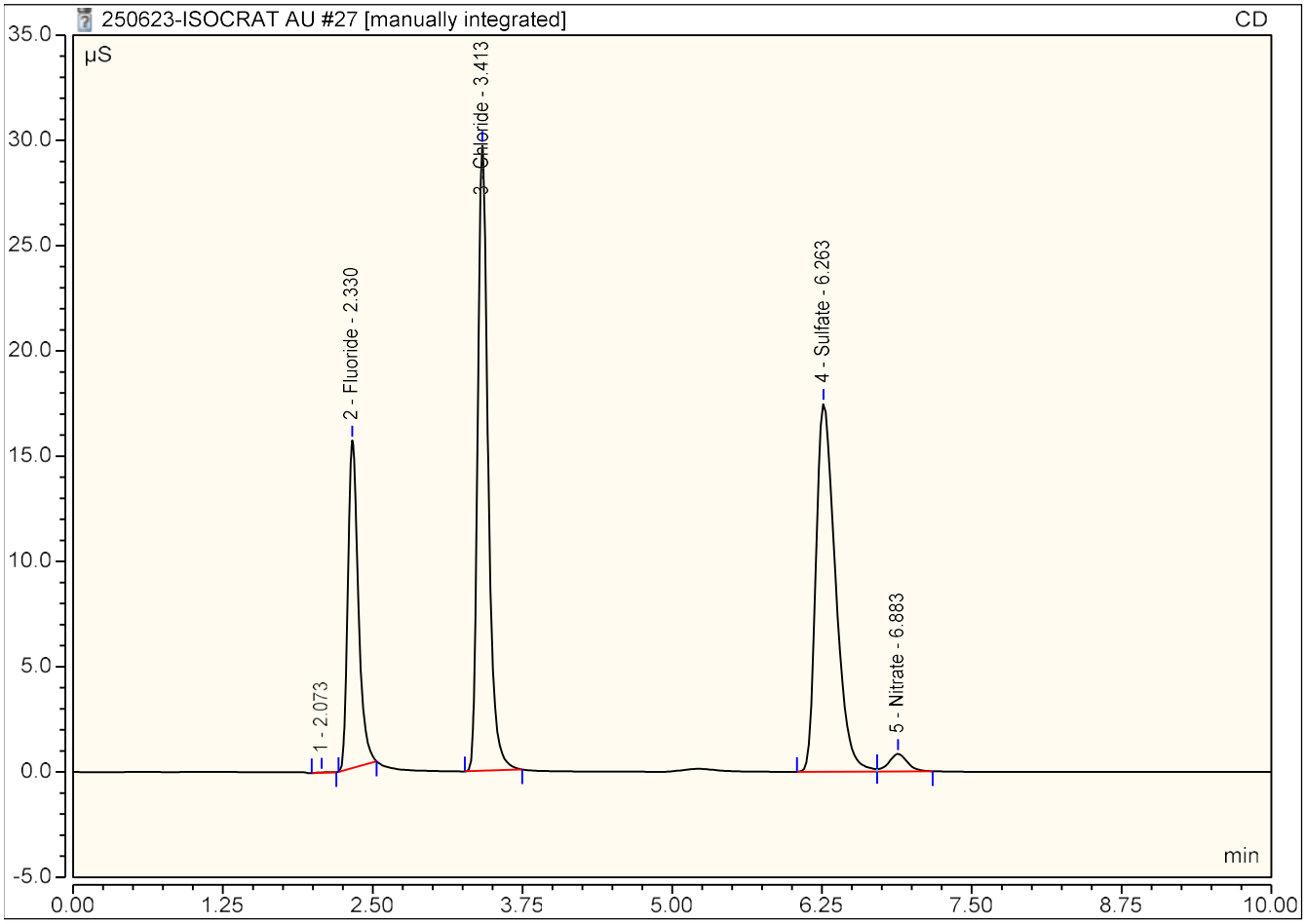
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.004	0.034	0.8481
3	3.40	**Chloride**	BMB	8.856	85.565	575.7330
4	5.77	**Bromide**	BMB	0.006	0.043	2.0353
5	6.32	**Sulfate**	BM *	1.408	7.910	133.4858
6	6.89	**Nitrate**	MB*	0.021	0.108	1.2175
TOTAL:				10.29	93.66	713.32



Peak Integration Report

Sample Name:	**L2536169-10; 10X F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 19:30**	*Run Time:*	**10.00**

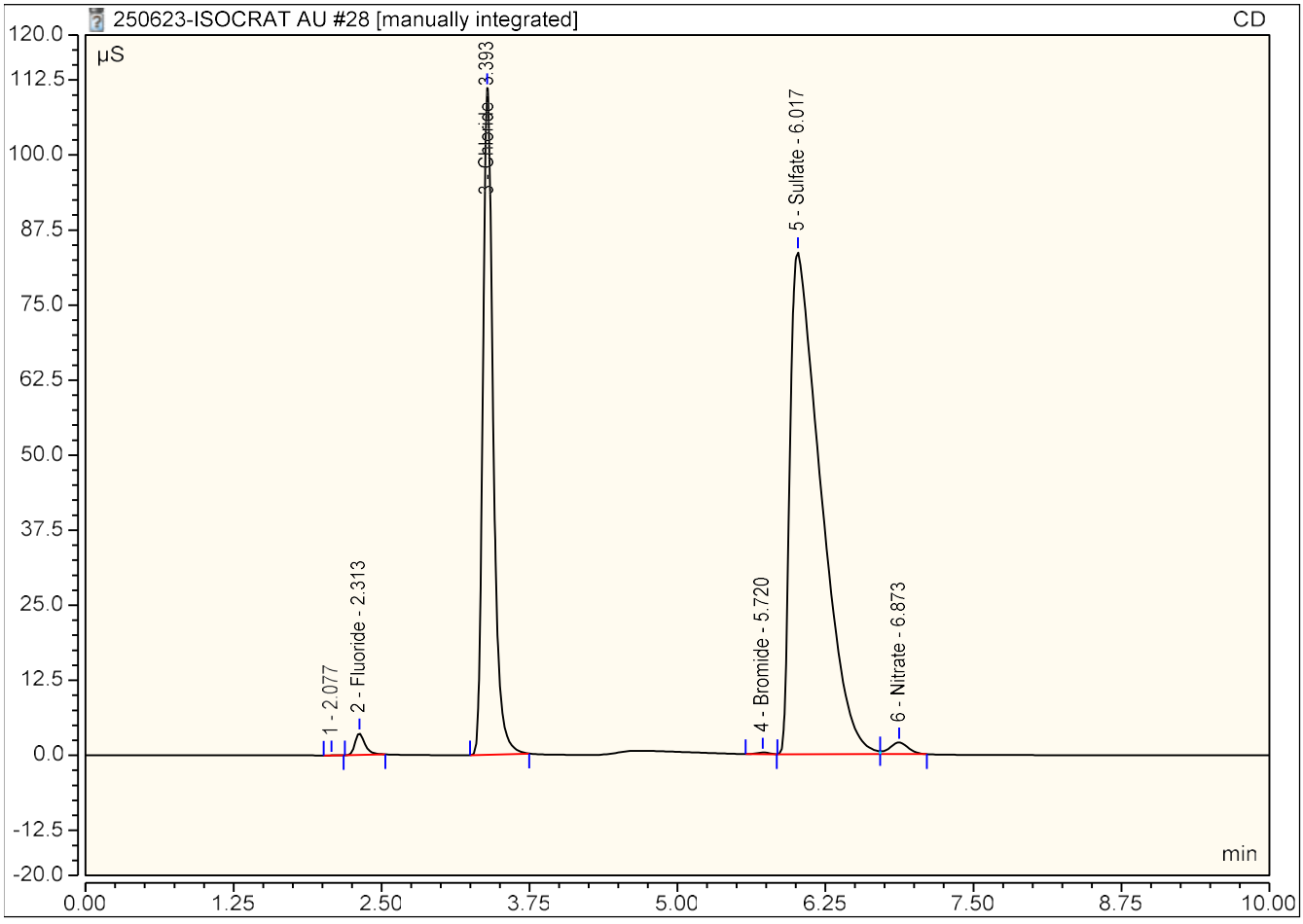
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	1.565	15.566	28.4868
3	3.41	**Chloride**	BMB	3.006	29.698	78.8021
4	6.26	**Sulfate**	BM *	3.299	17.485	115.7539
5	6.88	**Nitrate**	MB*	0.148	0.831	1.8283
TOTAL:				8.02	63.58	224.87



Peak Integration Report

Sample Name:	**L2536418-01 MS CL SO4 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 19:42**	*Run Time:*	**10.00**

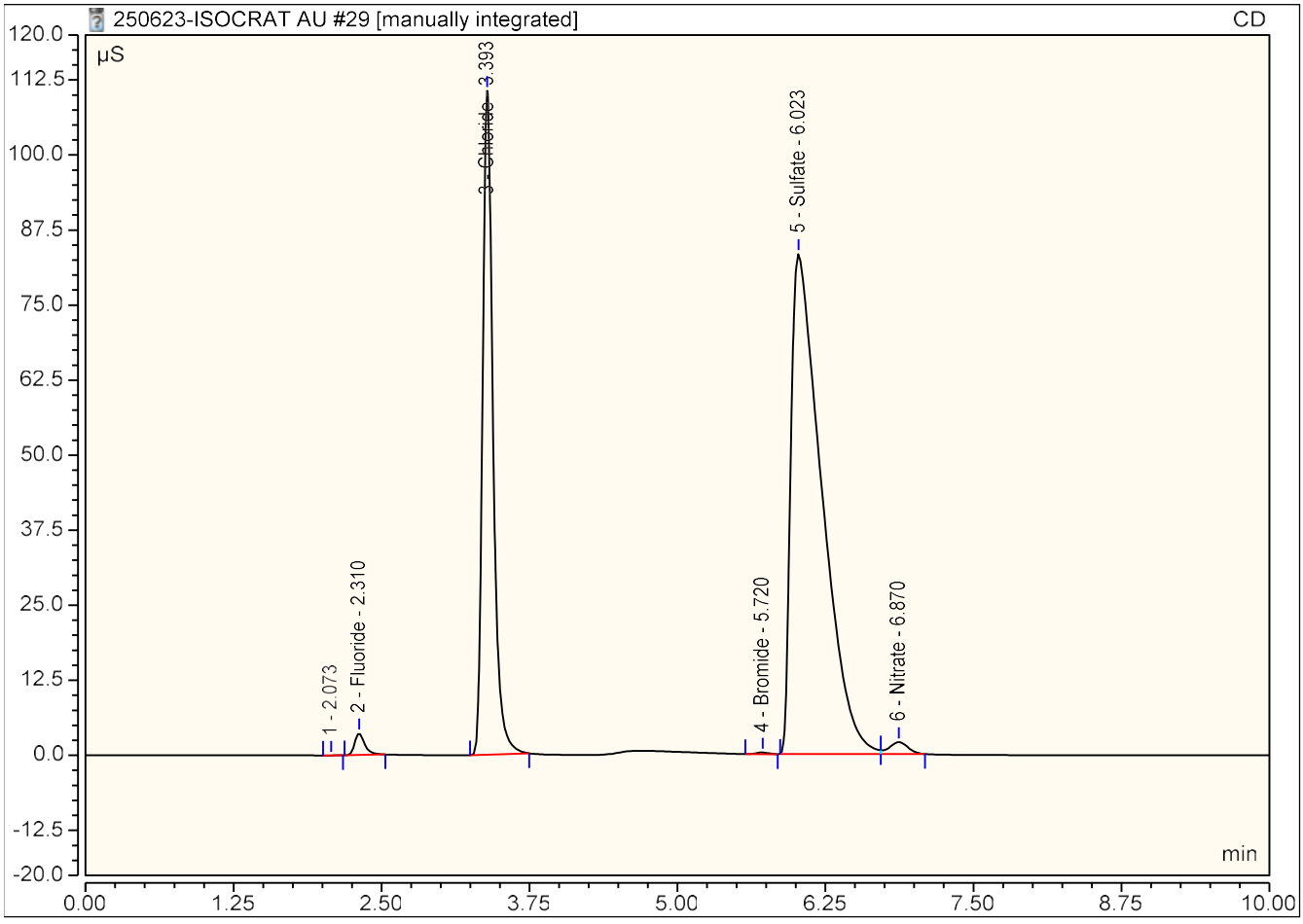
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.356	3.625	0.6690
3	3.39	**Chloride**	BMB	11.322	111.079	29.4159
4	5.72	**Bromide**	BMB	0.033	0.272	0.2830
5	6.02	**Sulfate**	BM *	25.090	83.643	83.4341
6	6.87	**Nitrate**	MB*	0.356	1.967	0.4012
TOTAL:				37.16	200.59	114.20



Peak Integration Report

Sample Name:	**L2536418-01 MSD**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 19:54**	*Run Time:*	**10.00**

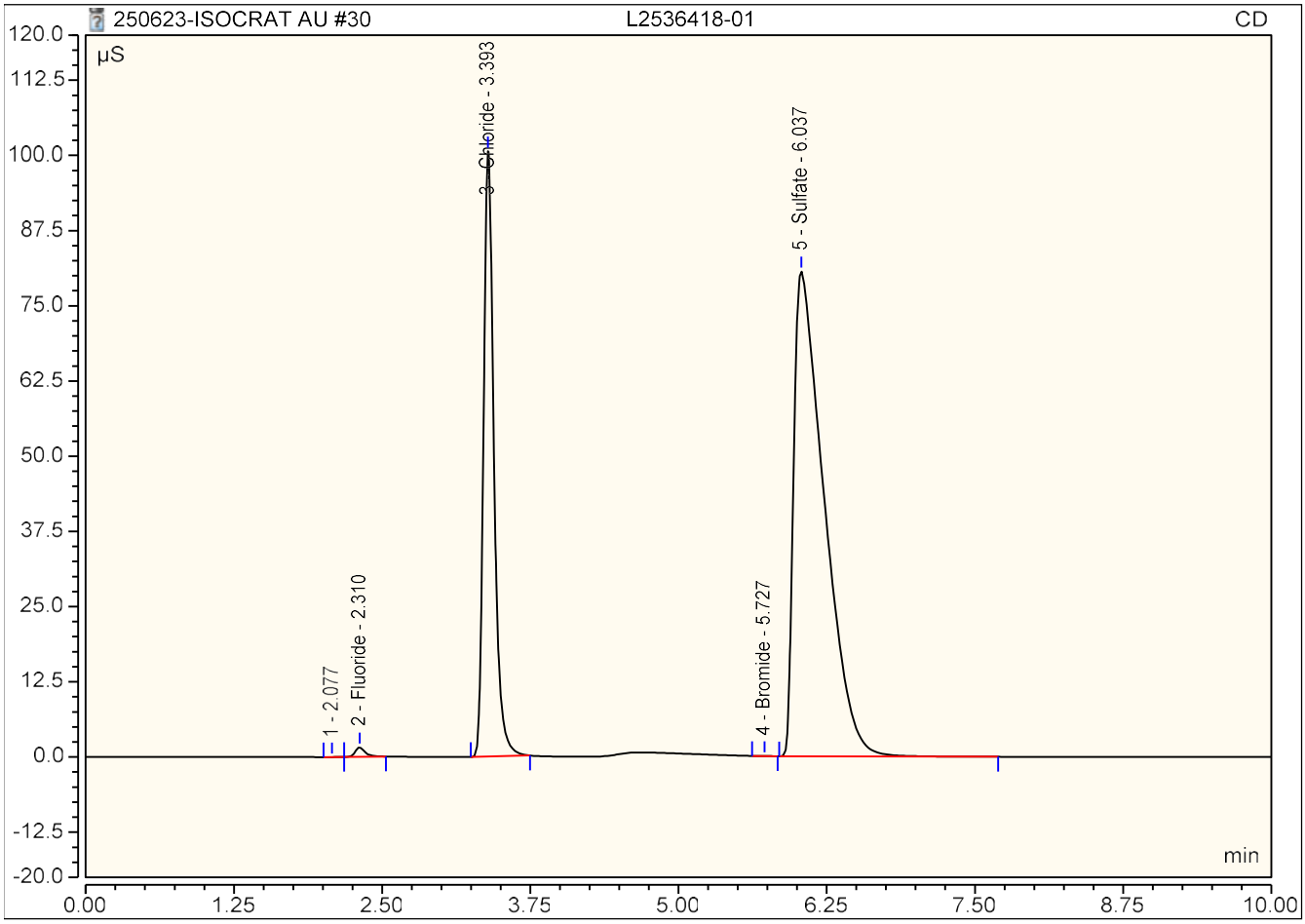
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.356	3.628	0.6693
3	3.39	**Chloride**	BMB	11.298	110.578	29.3548
4	5.72	**Bromide**	BMB	0.035	0.277	0.2934
5	6.02	**Sulfate**	BM *	25.045	83.282	83.2866
6	6.87	**Nitrate**	MB*	0.364	1.991	0.4091
TOTAL:				37.10	199.76	114.01



Peak Integration Report

Sample Name:	**L2536418-01**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 20:06**	*Run Time:*	**10.00**

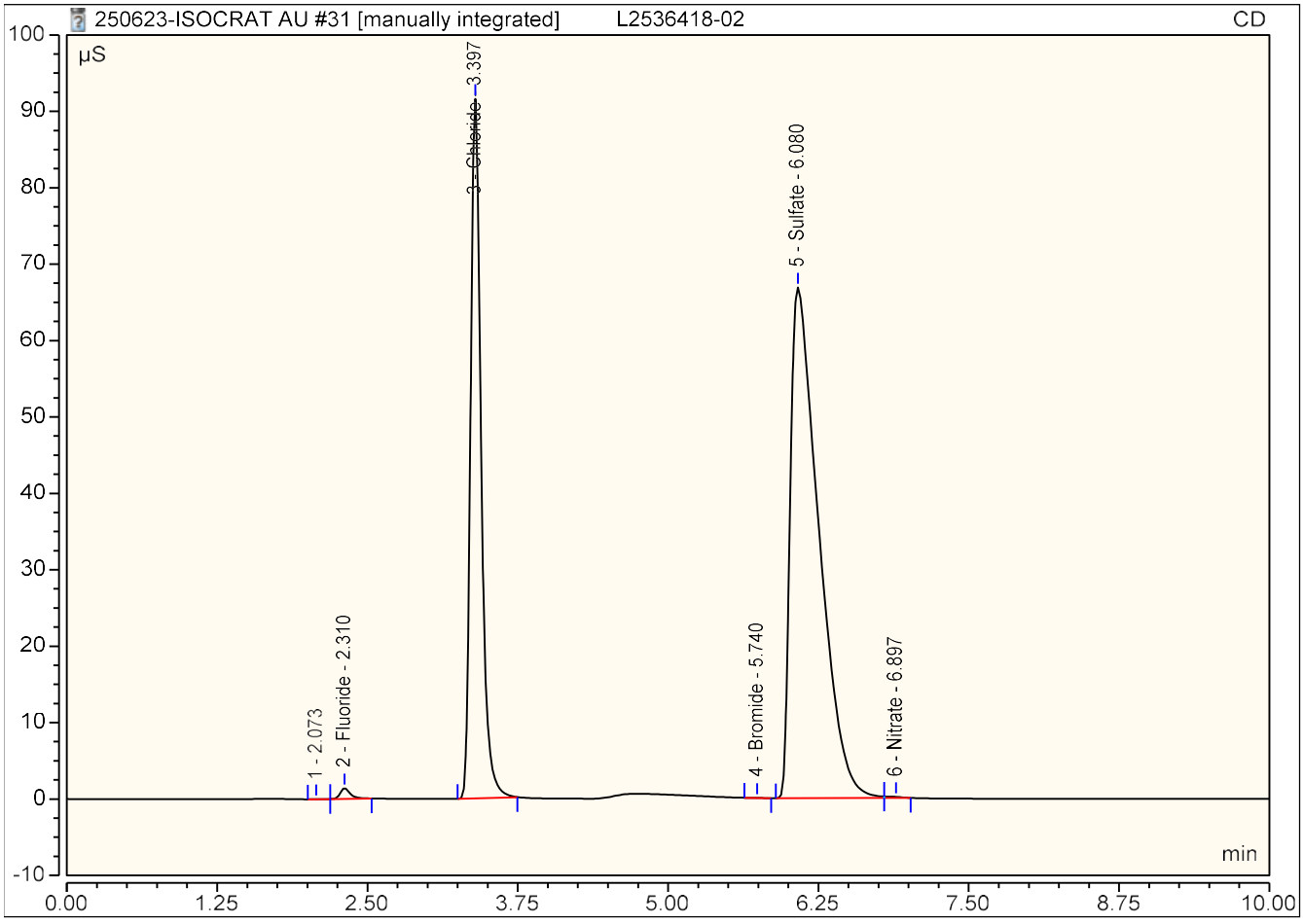
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.154	1.580	0.3054
3	3.39	**Chloride**	BMB	10.224	100.598	26.5721
4	5.73	**Bromide**	BMB	0.002	0.014	0.0486
5	6.04	**Sulfate**	BMB	23.961	80.631	79.7128
TOTAL:				34.34	182.82	106.64



Peak Integration Report

Sample Name:	**L2536418-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 20:18**	*Run Time:*	**10.00**

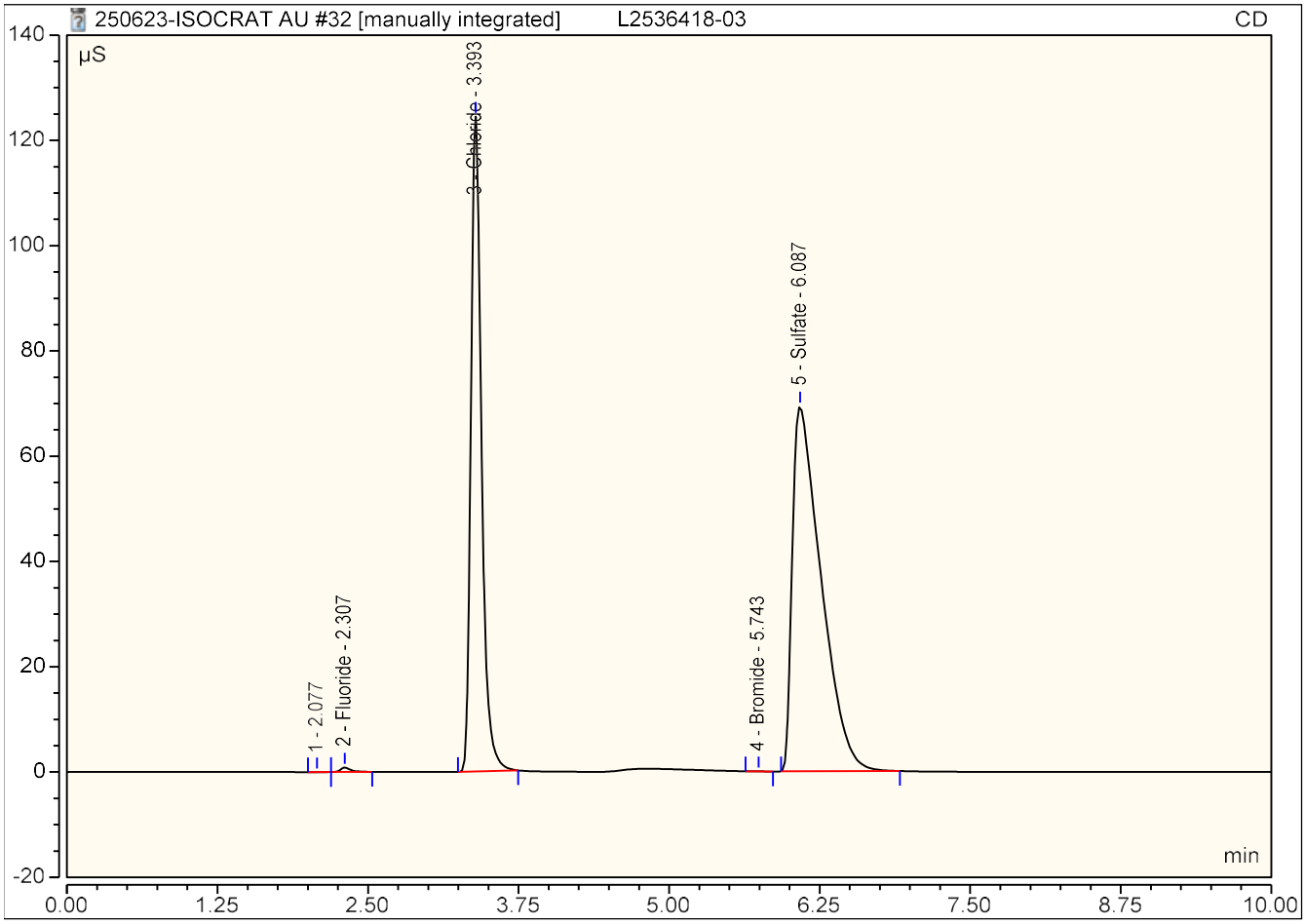
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.134	1.396	0.2682
3	3.40	**Chloride**	BMB	9.275	91.539	24.1162
4	5.74	**Bromide**	BMB	0.001	0.012	0.0466
5	6.08	**Sulfate**	BM *	18.260	66.835	60.9116
6	6.90	**Nitrate**	MB*	0.024	0.137	0.0524
TOTAL:				27.69	159.92	85.40



Peak Integration Report

Sample Name:	**L2536418-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 20:30**	*Run Time:*	**10.00**

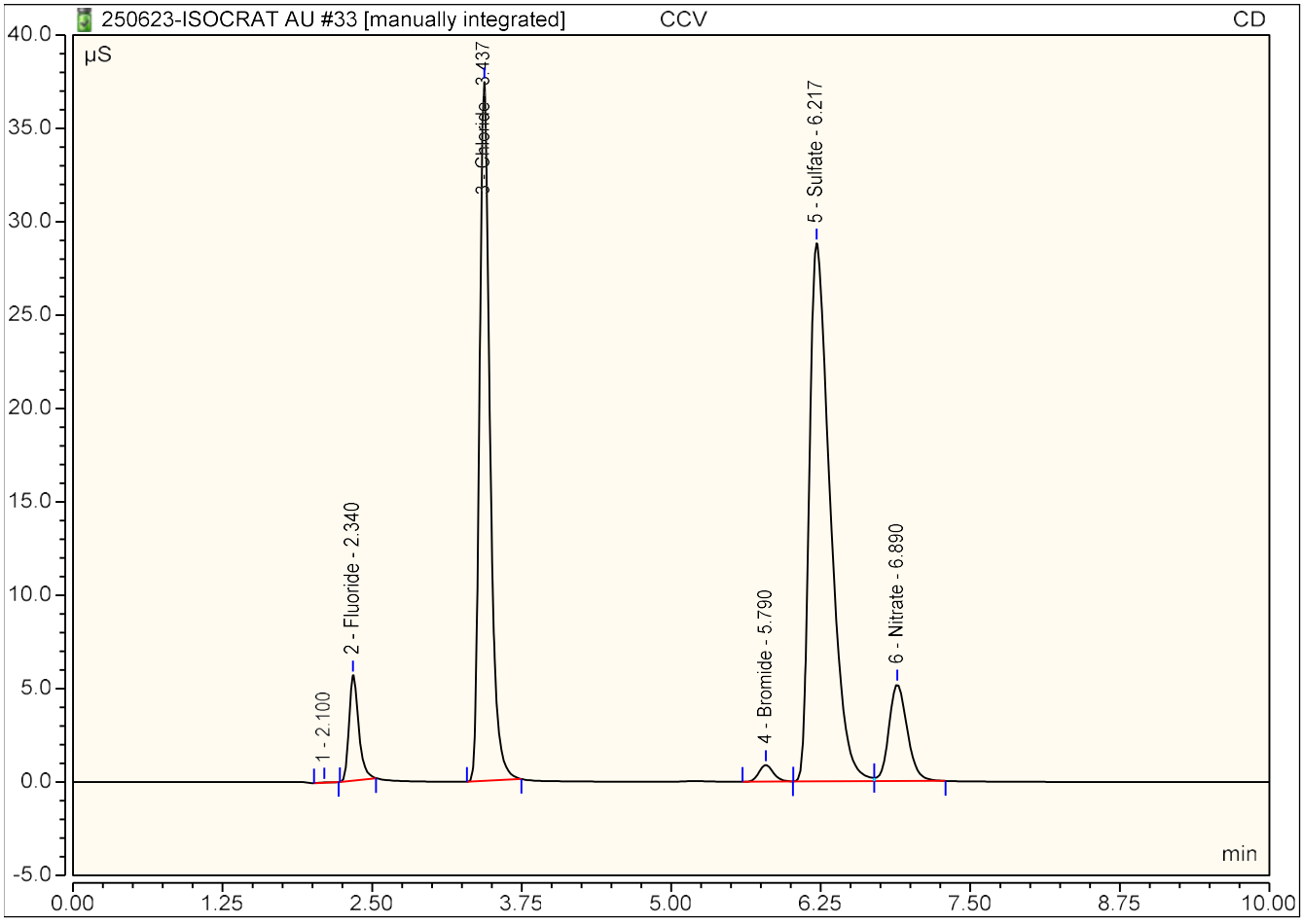
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.080	0.829	0.1709
3	3.39	**Chloride**	BMB	12.667	124.423	32.8988
4	5.74	**Bromide**	BMB	0.001	0.012	0.0467
5	6.09	**Sulfate**	BMB*	19.139	69.290	63.8115
TOTAL:				31.89	194.55	96.93



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 20:42**	*Run Time:*	**10.00**

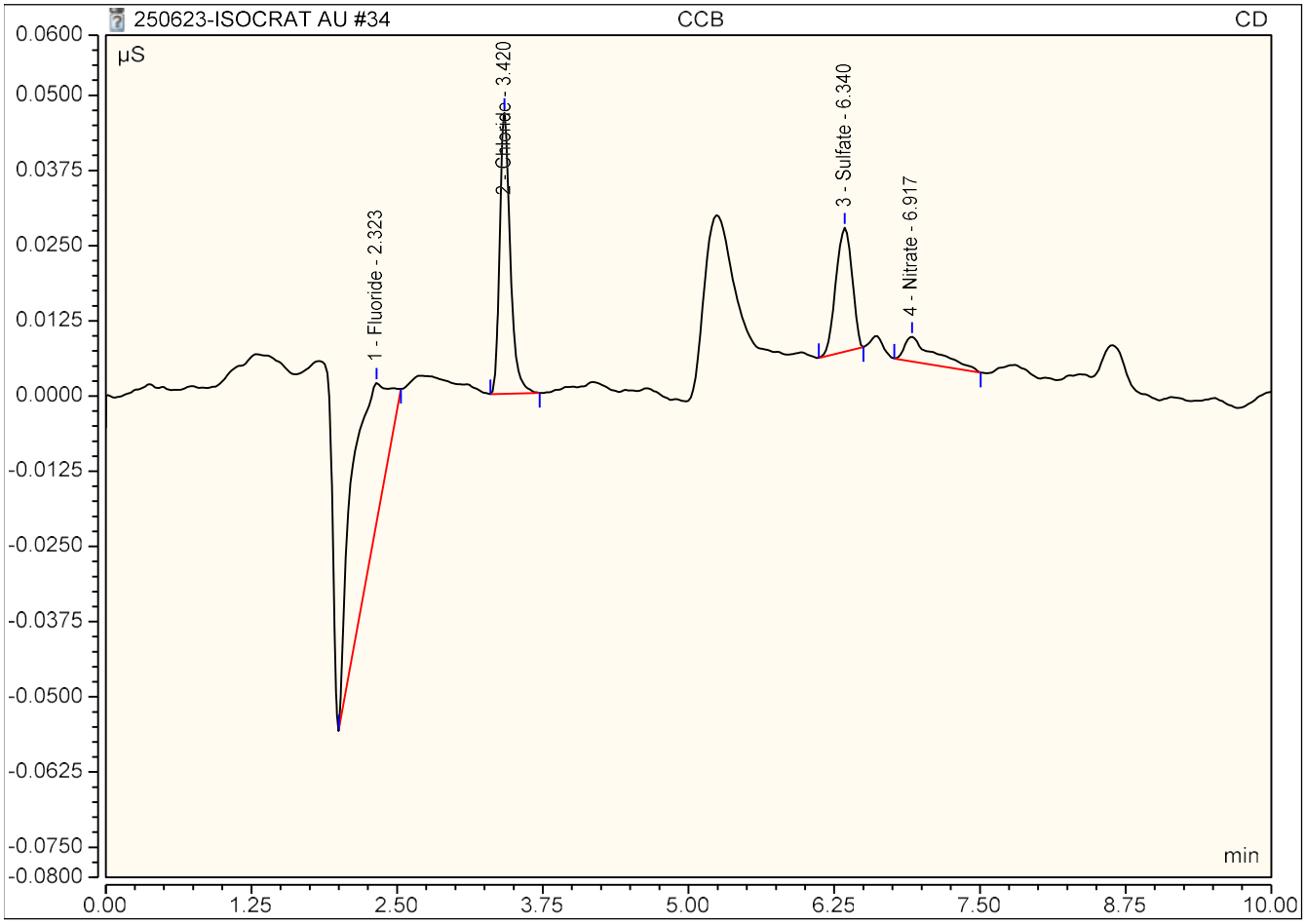
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.528	5.648	0.9790
3	3.44	**Chloride**	BMB	3.829	37.416	10.0108
4	5.79	**Bromide**	BMB	0.124	0.900	0.9594
5	6.22	**Sulfate**	BM *	5.795	28.803	19.8085
6	6.89	**Nitrate**	MB*	0.922	5.181	0.9958
TOTAL:				11.20	77.95	32.75



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 20:54**	*Run Time:*	**10.00**

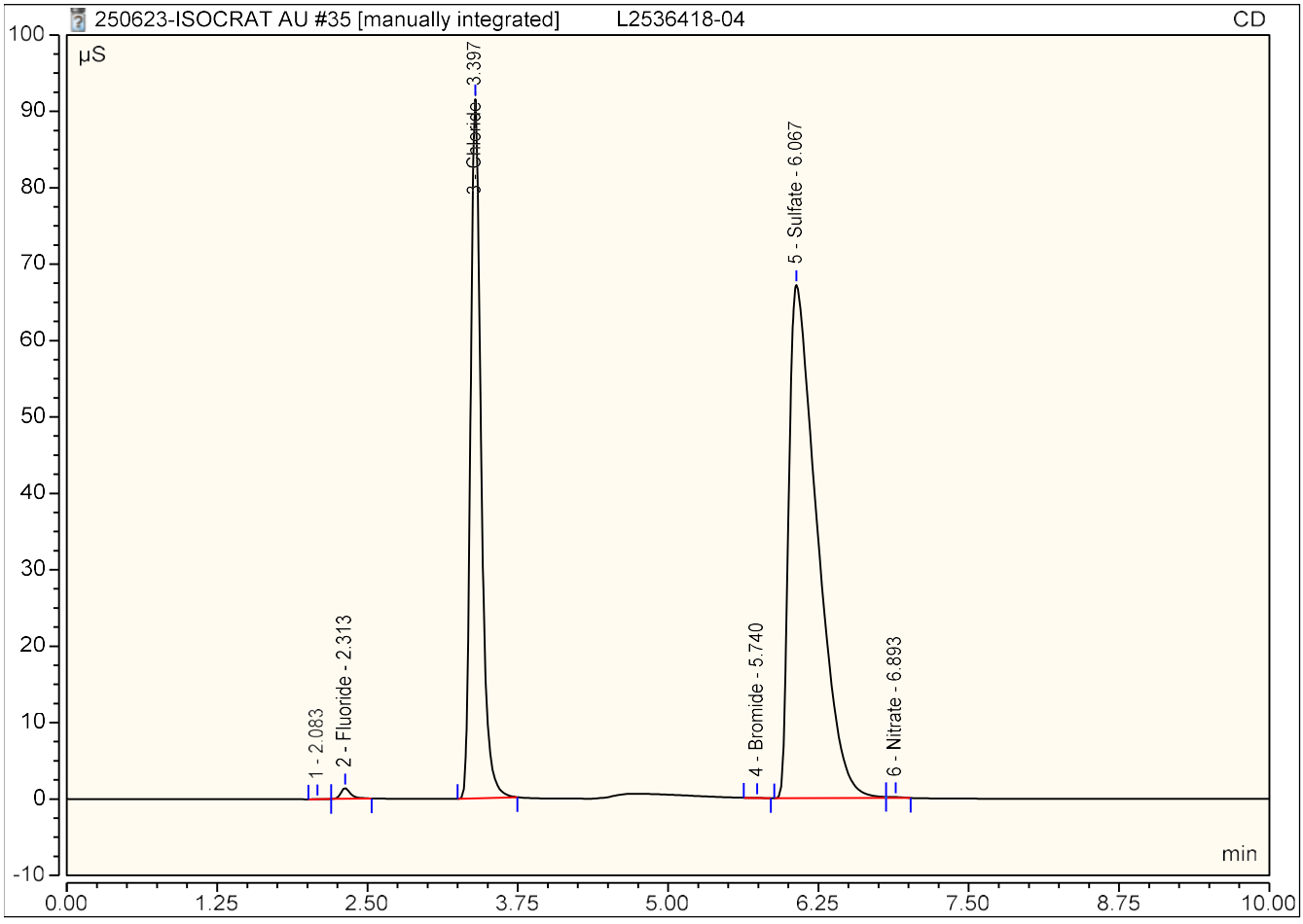
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.010	0.023	0.0461
2	3.42	**Chloride**	BMB	0.005	0.047	0.1080
3	6.34	**Sulfate**	BMB	0.003	0.021	0.7088
4	6.92	**Nitrate**	BMB	0.001	0.004	0.0282
TOTAL:				0.02	0.09	0.89



Peak Integration Report

Sample Name:	**L2536418-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 21:06**	*Run Time:*	**10.00**

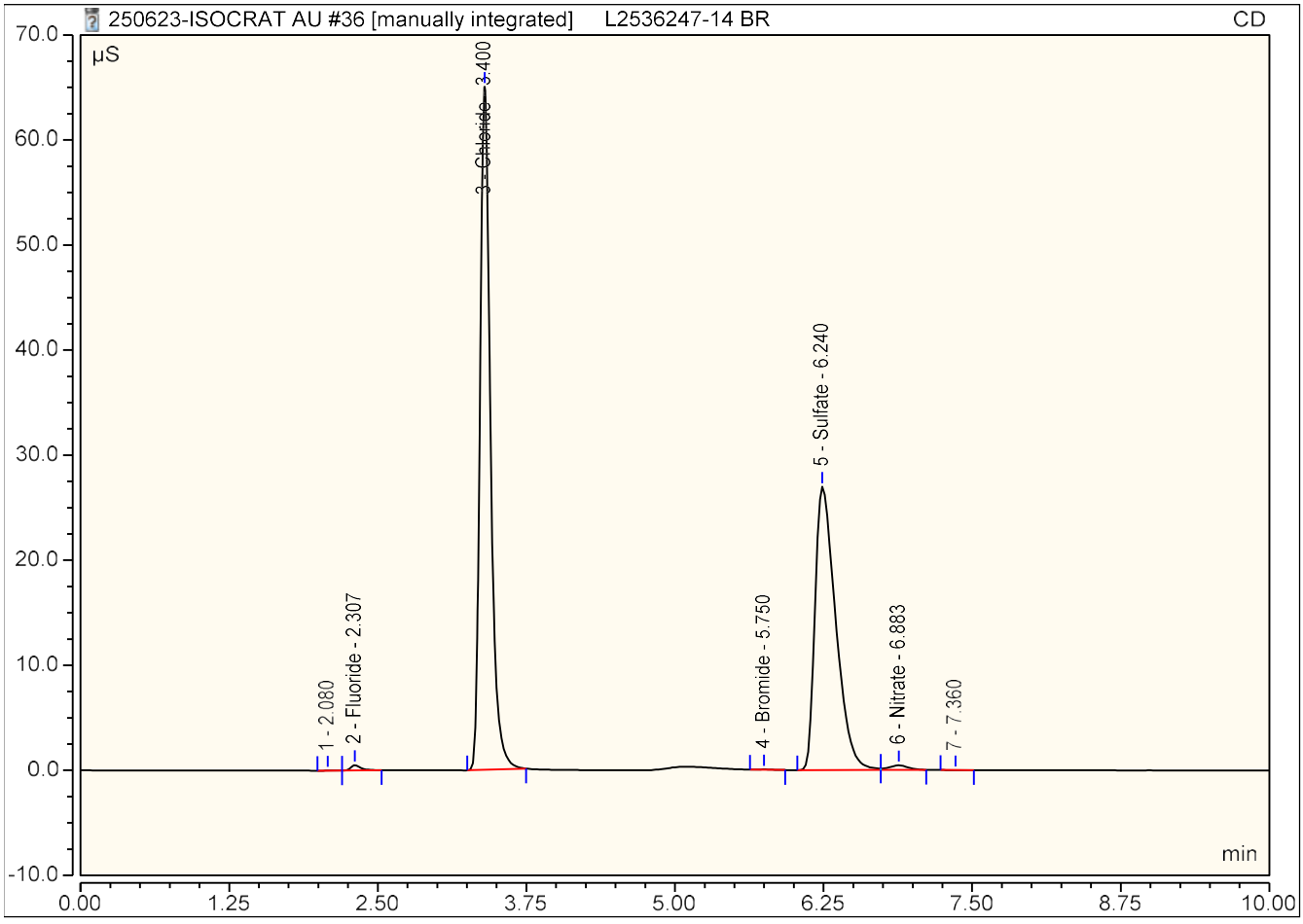
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.133	1.398	0.2675
3	3.40	**Chloride**	BMB	9.252	91.529	24.0562
4	5.74	**Bromide**	BMB	0.001	0.012	0.0470
5	6.07	**Sulfate**	BM *	18.210	67.188	60.7471
6	6.89	**Nitrate**	MB*	0.019	0.125	0.0469
TOTAL:				27.62	160.25	85.16



Peak Integration Report

Sample Name:	**L2536247-14 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 21:19**	*Run Time:*	**10.00**

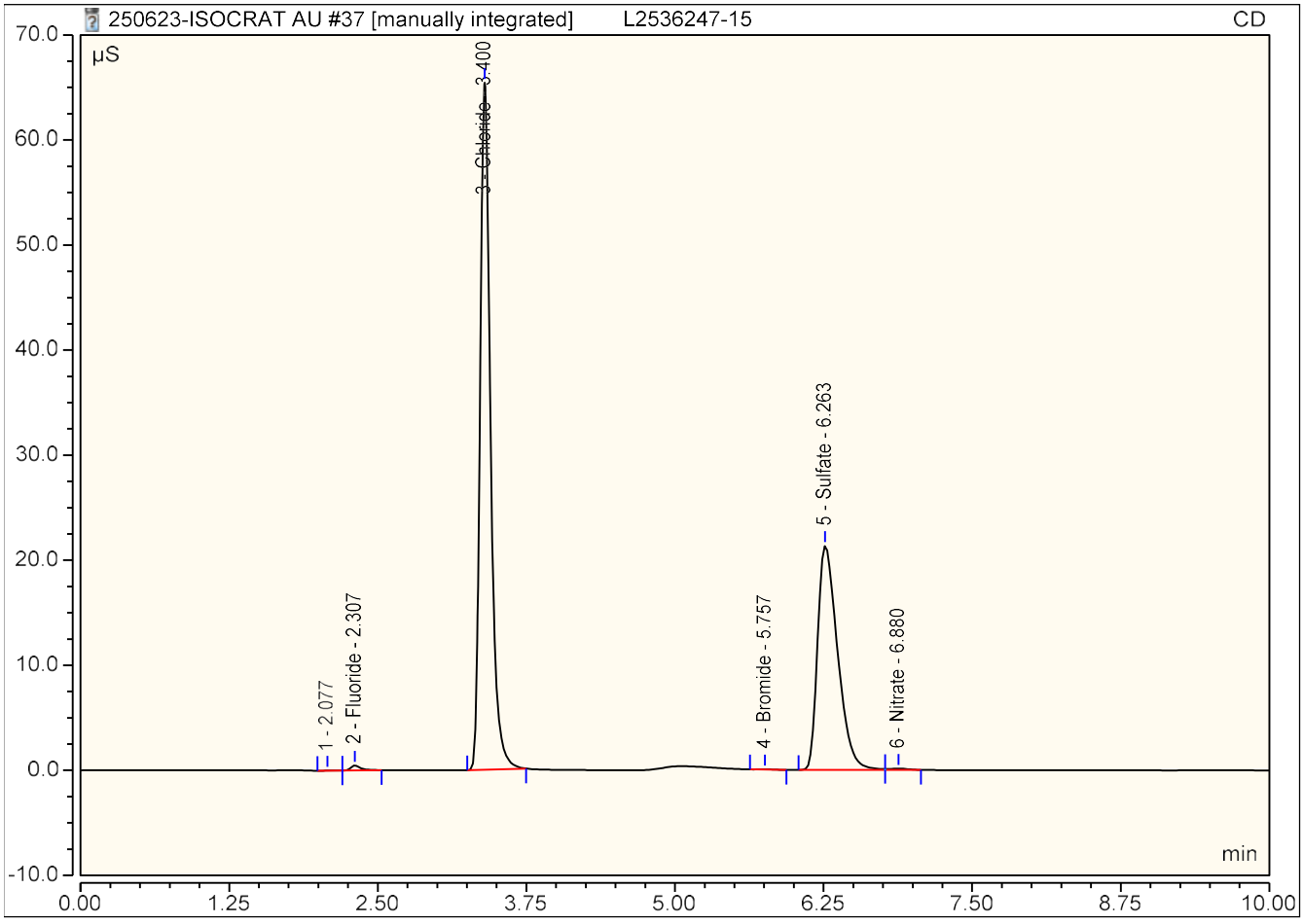
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.047	0.507	0.1122
3	3.40	**Chloride**	BMB	6.625	65.032	17.2514
4	5.75	**Bromide**	BMB	0.004	0.035	0.0706
5	6.24	**Sulfate**	BM *	5.453	26.960	18.6783
6	6.88	**Nitrate**	MB*	0.080	0.437	0.1109
TOTAL:				12.21	92.97	36.22



Peak Integration Report

Sample Name:	**L2536247-15**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 21:31**	*Run Time:*	**10.00**

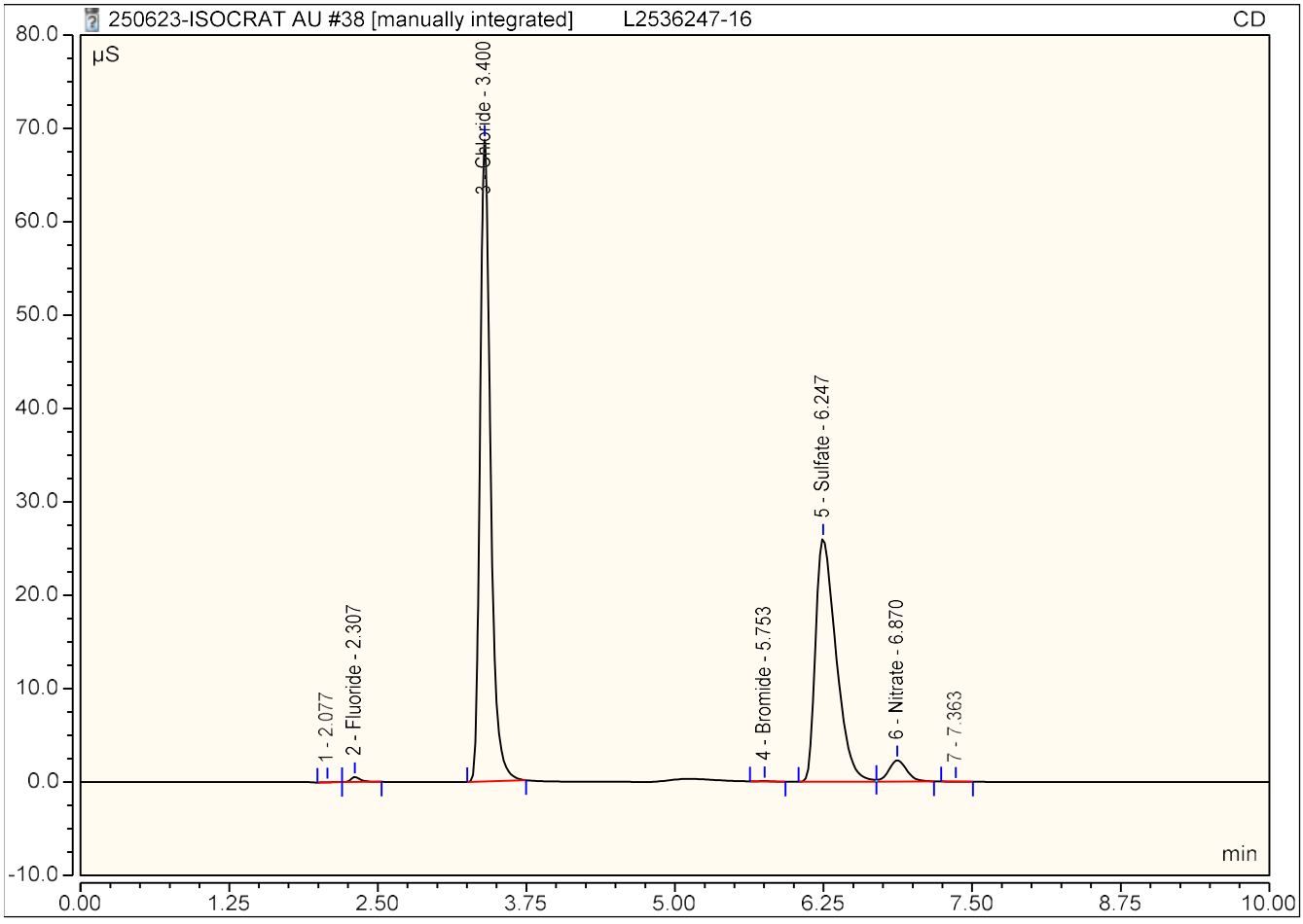
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.044	0.469	0.1057
3	3.40	**Chloride**	BMB	6.637	65.401	17.2821
4	5.76	**Bromide**	BMB	0.006	0.045	0.0803
5	6.26	**Sulfate**	BM *	4.165	21.333	14.4328
6	6.88	**Nitrate**	MB*	0.023	0.122	0.0506
TOTAL:				10.87	87.37	31.95



Peak Integration Report

Sample Name:	**L2536247-16**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 21:43**	*Run Time:*	**10.00**

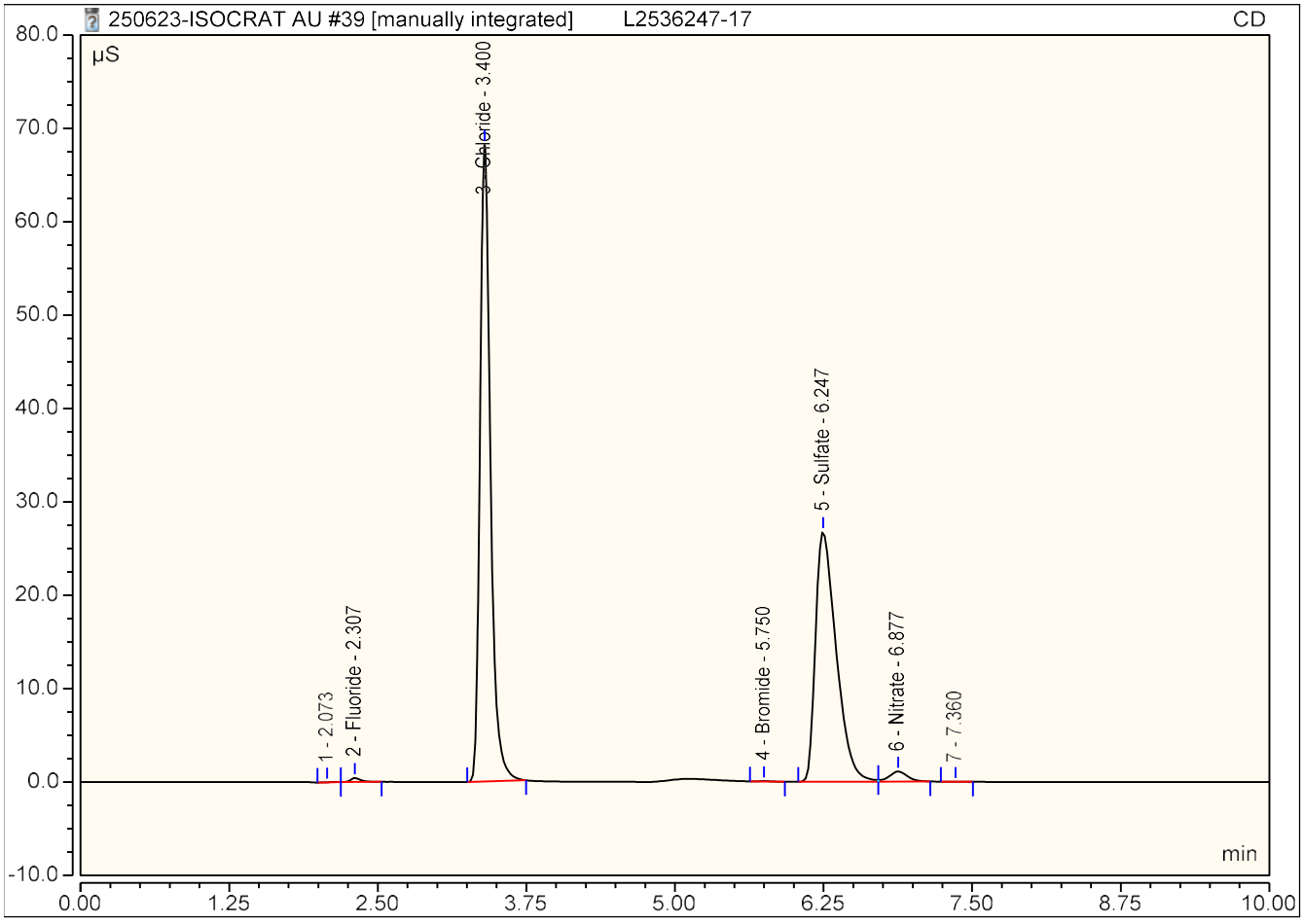
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.050	0.543	0.1173
3	3.40	**Chloride**	BMB	7.027	68.717	18.2927
4	5.75	**Bromide**	BMB	0.004	0.035	0.0703
5	6.25	**Sulfate**	BM *	5.216	26.039	17.8985
6	6.87	**Nitrate**	MB*	0.399	2.280	0.4458
TOTAL:				12.70	97.61	36.82



Peak Integration Report

Sample Name:	**L2536247-17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 21:55**	*Run Time:*	**10.00**

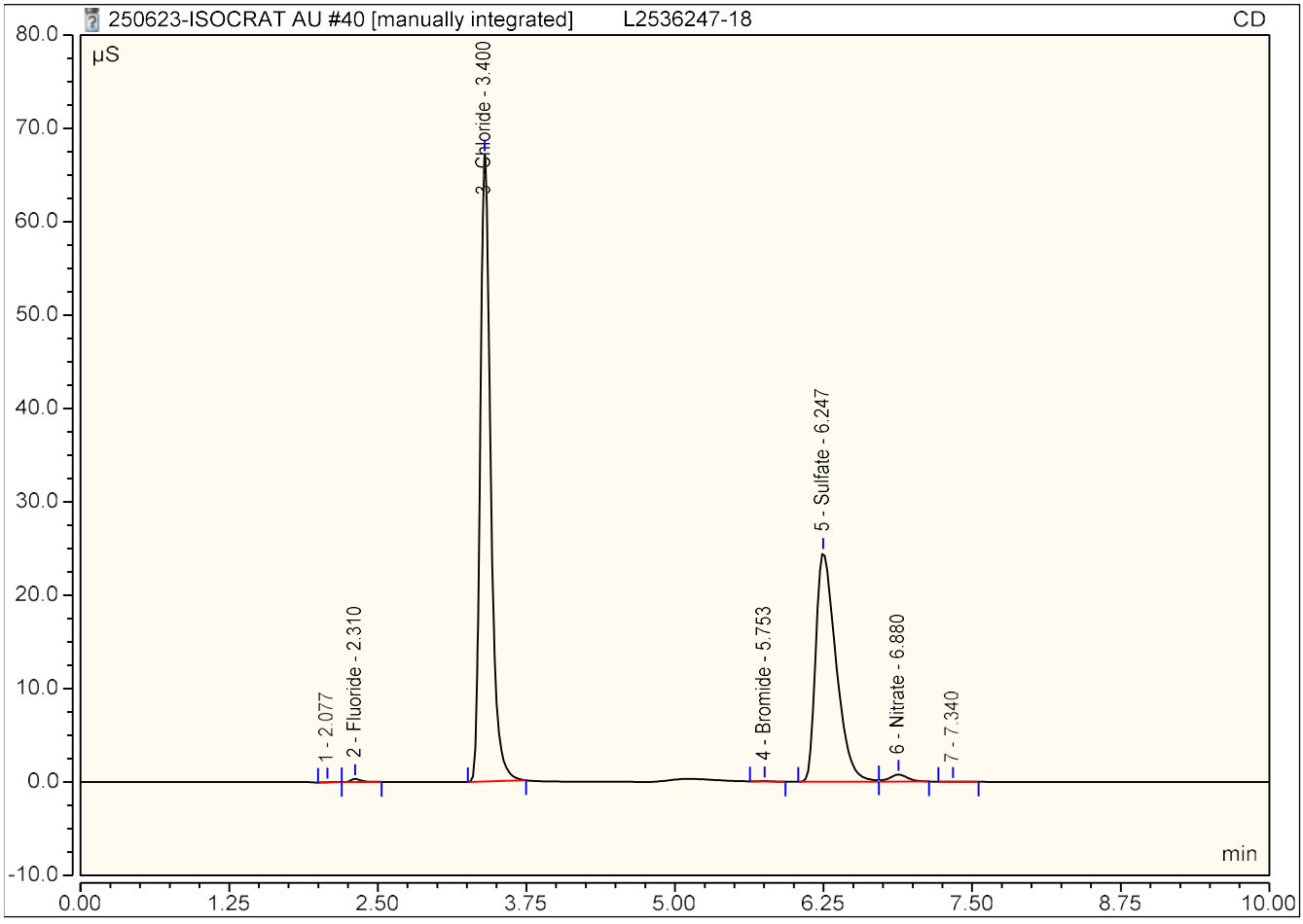
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.042	0.446	0.1026
3	3.40	**Chloride**	BMB	6.962	68.192	18.1260
4	5.75	**Bromide**	BMB	0.004	0.033	0.0687
5	6.25	**Sulfate**	BM *	5.396	26.761	18.4926
6	6.88	**Nitrate**	MB*	0.190	1.073	0.2262
TOTAL:				12.59	96.51	37.02



Peak Integration Report

Sample Name:	**L2536247-18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 22:07**	*Run Time:*	**10.00**

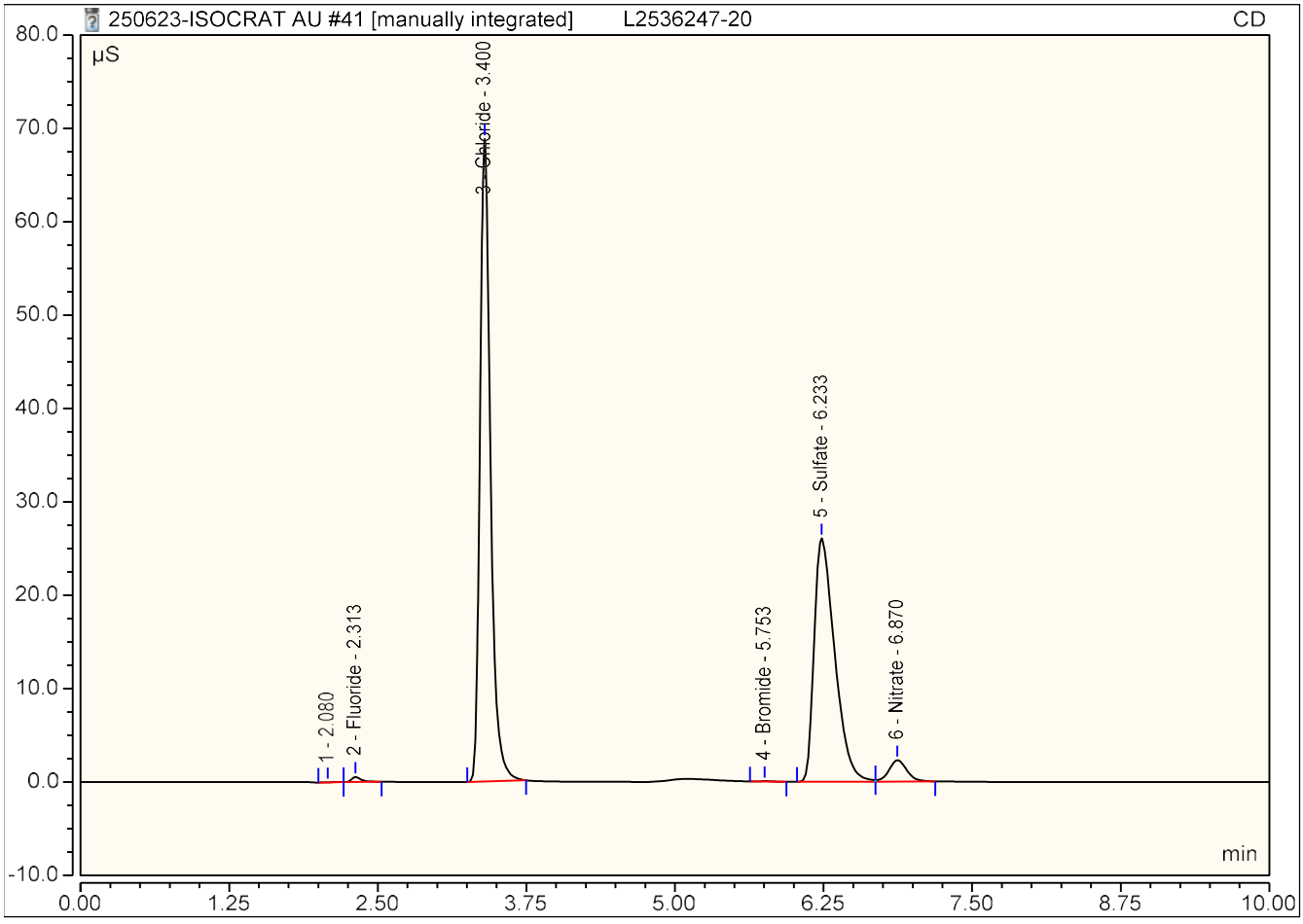
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.033	0.346	0.0861
3	3.40	**Chloride**	BMB	6.843	67.122	17.8155
4	5.75	**Bromide**	BMB	0.005	0.036	0.0718
5	6.25	**Sulfate**	BM *	4.859	24.536	16.7197
6	6.88	**Nitrate**	MB*	0.133	0.744	0.1662
TOTAL:				11.87	92.79	34.86



Peak Integration Report

Sample Name:	**L2536247-20**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 22:19**	*Run Time:*	**10.00**

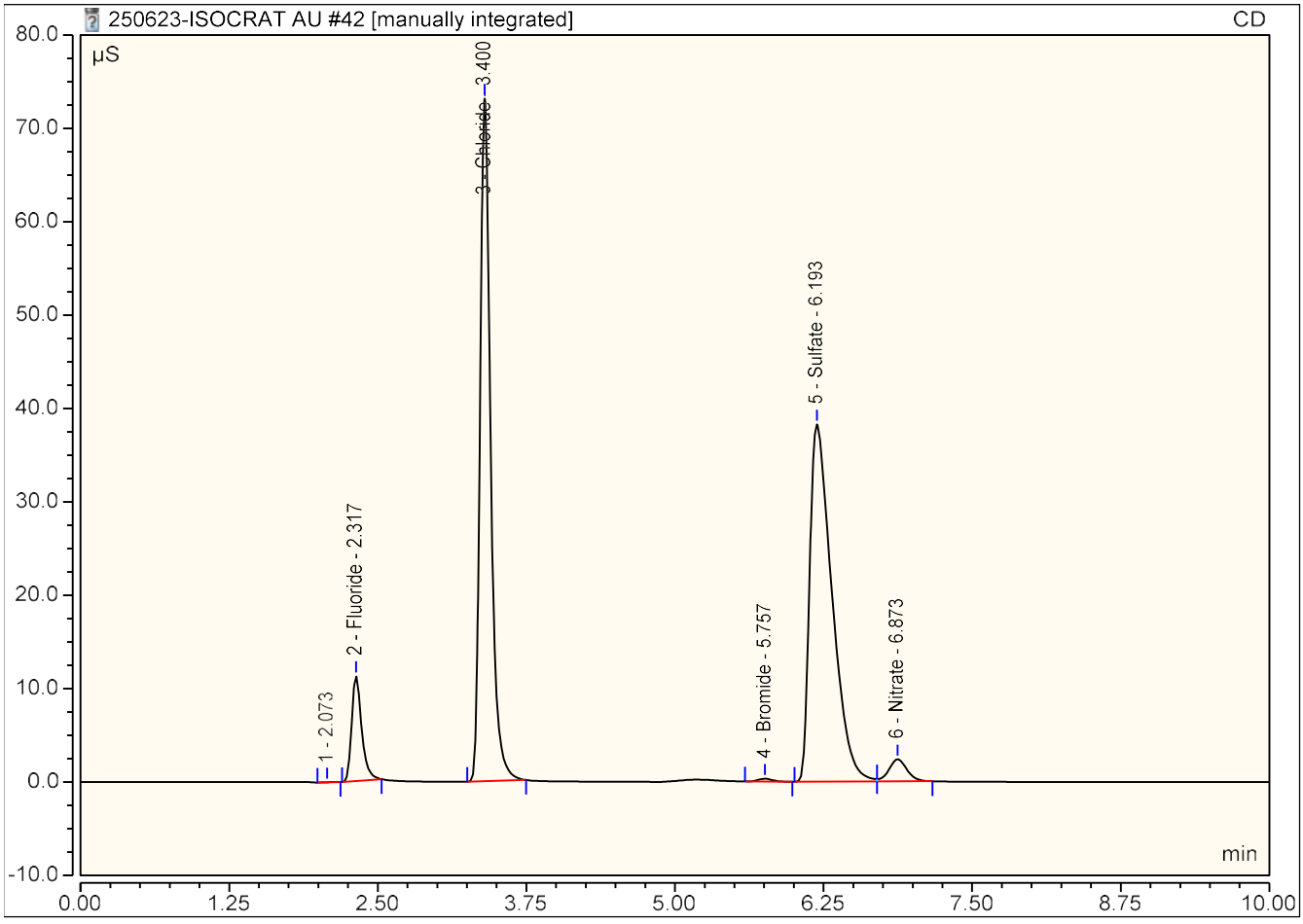
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.051	0.547	0.1184
3	3.40	**Chloride**	BMB	7.047	68.796	18.3460
4	5.75	**Bromide**	BMB	0.004	0.035	0.0706
5	6.23	**Sulfate**	BM *	5.223	26.059	17.9218
6	6.87	**Nitrate**	MB*	0.399	2.283	0.4462
TOTAL:				12.72	97.72	36.90



Peak Integration Report

Sample Name:	**L2537958-03 MS; 5X F SO4**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 22:31**	*Run Time:*	**10.00**

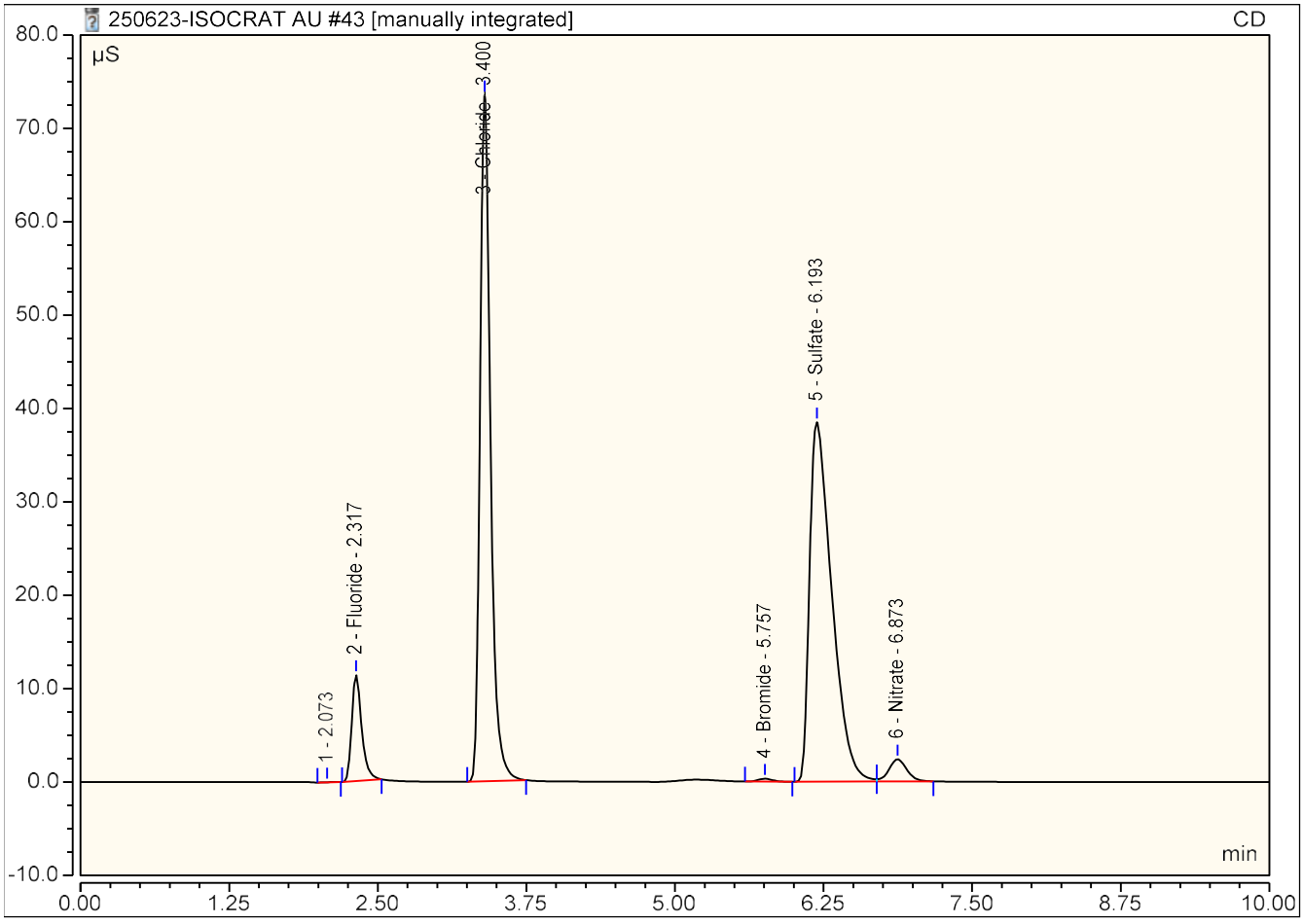
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	1.092	11.245	9.9817
3	3.40	**Chloride**	BMB	7.499	73.112	97.5805
4	5.76	**Bromide**	BMB	0.043	0.312	1.7837
5	6.19	**Sulfate**	BM *	8.315	38.245	140.5880
6	6.87	**Nitrate**	MB*	0.415	2.360	2.3165
TOTAL:				17.36	125.27	252.25



Peak Integration Report

Sample Name:	**L2537958-03 MSD; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 22:43**	*Run Time:*	**10.00**

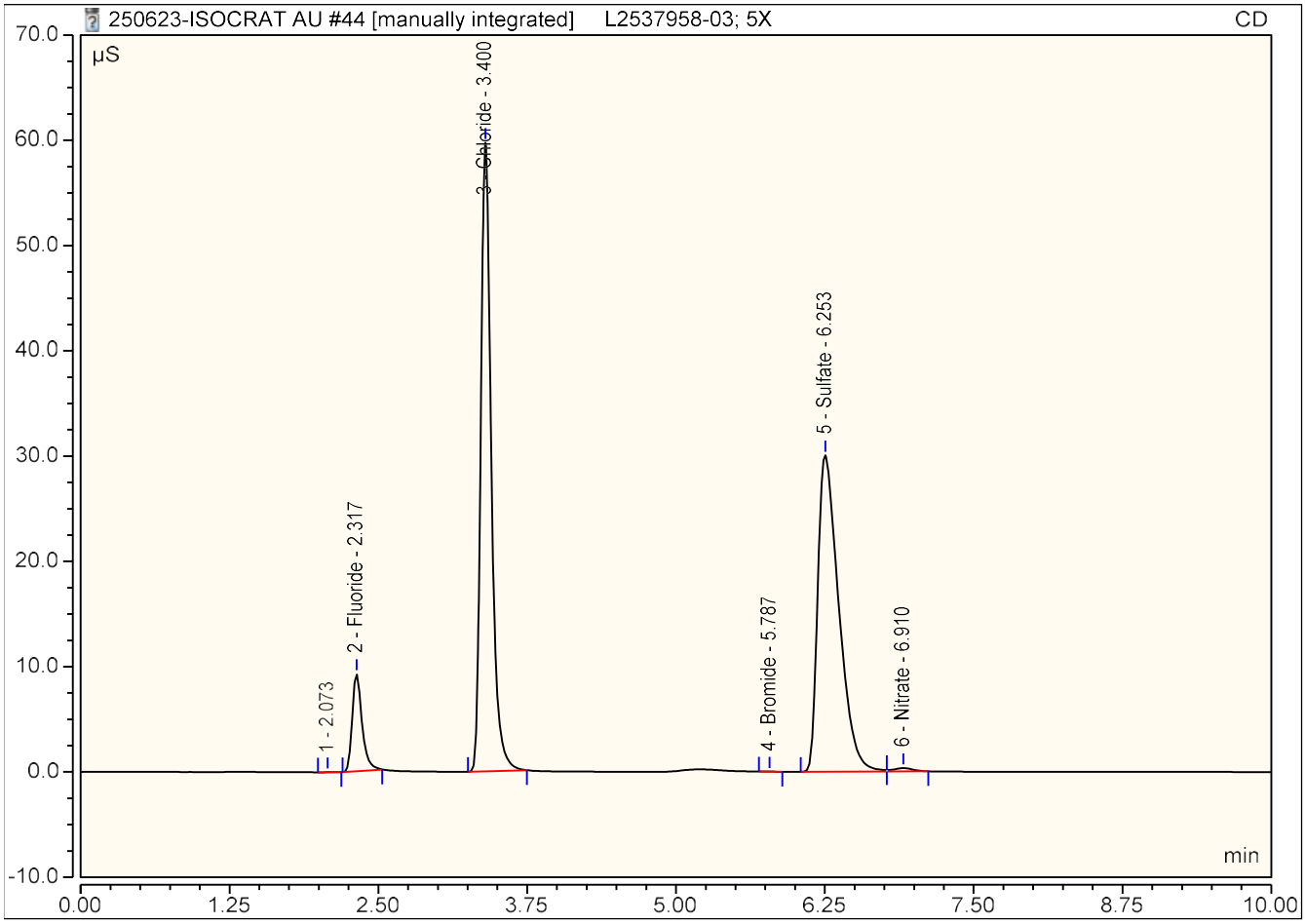
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	1.100	11.362	10.0542
3	3.40	**Chloride**	BMB	7.517	73.468	97.8146
4	5.76	**Bromide**	BMB	0.043	0.313	1.7840
5	6.19	**Sulfate**	BM *	8.330	38.504	140.8385
6	6.87	**Nitrate**	MB*	0.417	2.369	2.3240
TOTAL:				17.41	126.02	252.82



Peak Integration Report

Sample Name:	**L2537958-03; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 22:55**	*Run Time:*	**10.00**

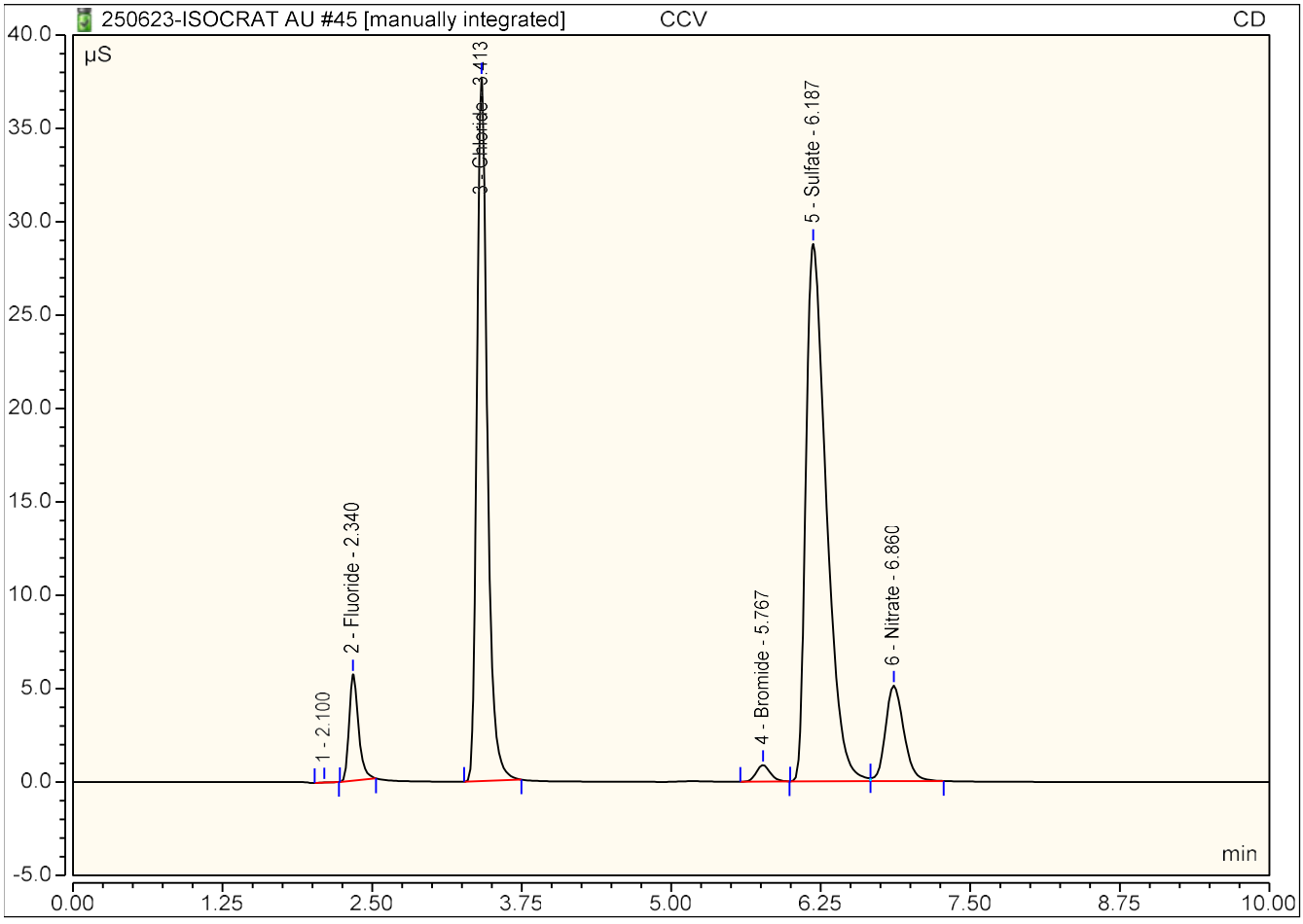
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.880	9.238	8.0656
3	3.40	**Chloride**	BMB	6.086	59.703	79.2773
4	5.79	**Bromide**	BMB	0.000	0.002	0.1953
5	6.25	**Sulfate**	BM *	6.150	30.048	104.8914
6	6.91	**Nitrate**	MB*	0.059	0.322	0.4439
TOTAL:				13.17	99.31	192.87



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 23:07**	*Run Time:*	**10.00**

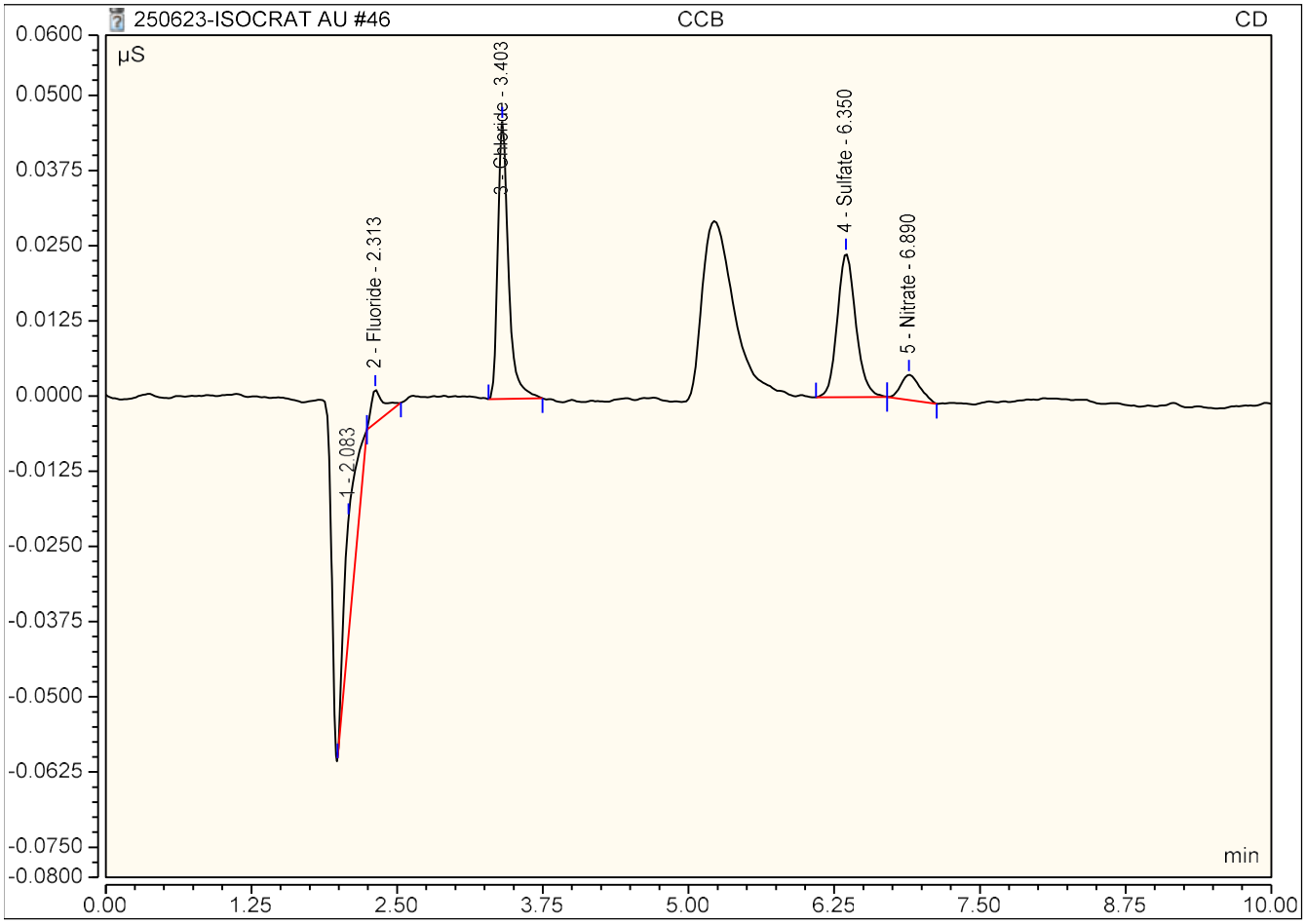
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.518	5.690	0.9616
3	3.41	**Chloride**	BMB	3.825	37.671	10.0019
4	5.77	**Bromide**	BMB	0.122	0.889	0.9399
5	6.19	**Sulfate**	BM *	5.687	28.767	19.4525
6	6.86	**Nitrate**	MB*	0.910	5.112	0.9830
TOTAL:				11.06	78.13	32.34



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 23:19**	*Run Time:*	**10.00**

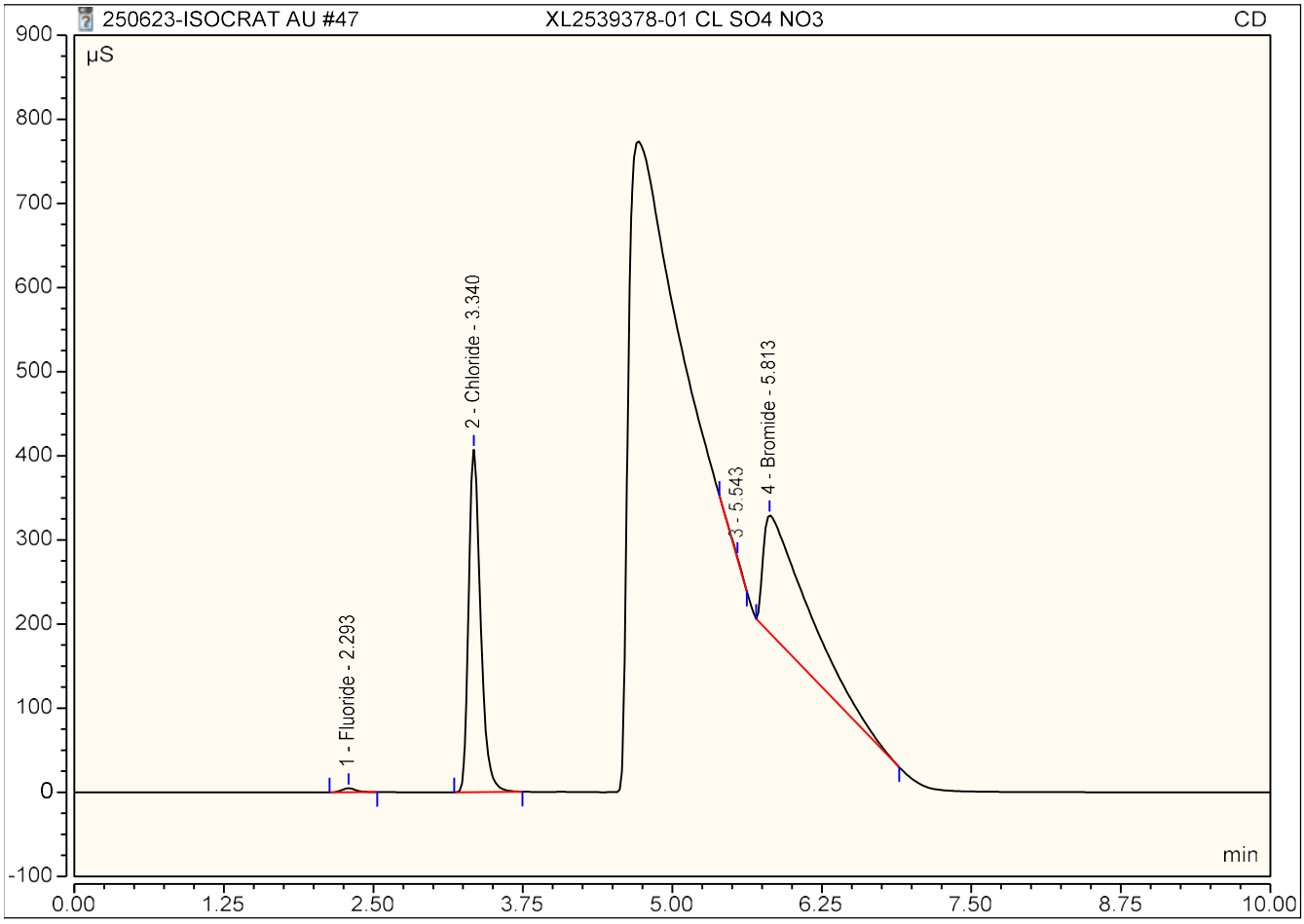
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.006	0.0285
3	3.40	**Chloride**	BMB	0.005	0.046	0.1080
4	6.35	**Sulfate**	BMB	0.004	0.024	0.7124
5	6.89	**Nitrate**	BMB	0.001	0.004	0.0277
TOTAL:				0.01	0.08	0.88



Peak Integration Report

Sample Name:	**XL2539378-01 CL SO4 NO3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 23:31**	*Run Time:*	**10.00**

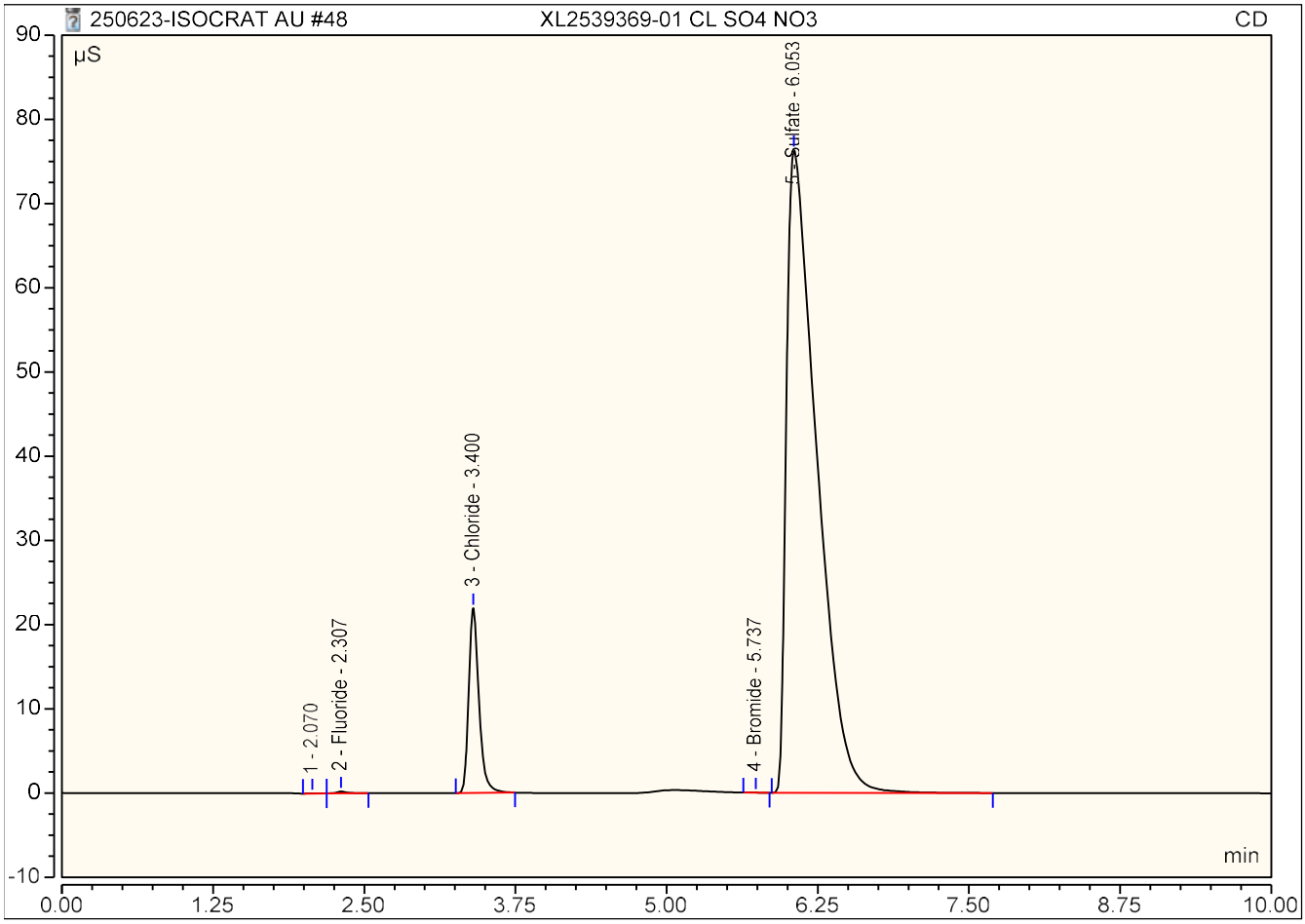
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.29	**Fluoride**	BMB	0.638	4.817	1.1775
2	3.34	**Chloride**	BMB	47.421	407.035	122.9016
4	5.81	**Bromide**	BMB	63.855	139.802	473.5893
TOTAL:				111.91	551.65	597.67



Peak Integration Report

Sample Name:	**XL2539369-01 CL SO4 NO3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 23:44**	*Run Time:*	**10.00**

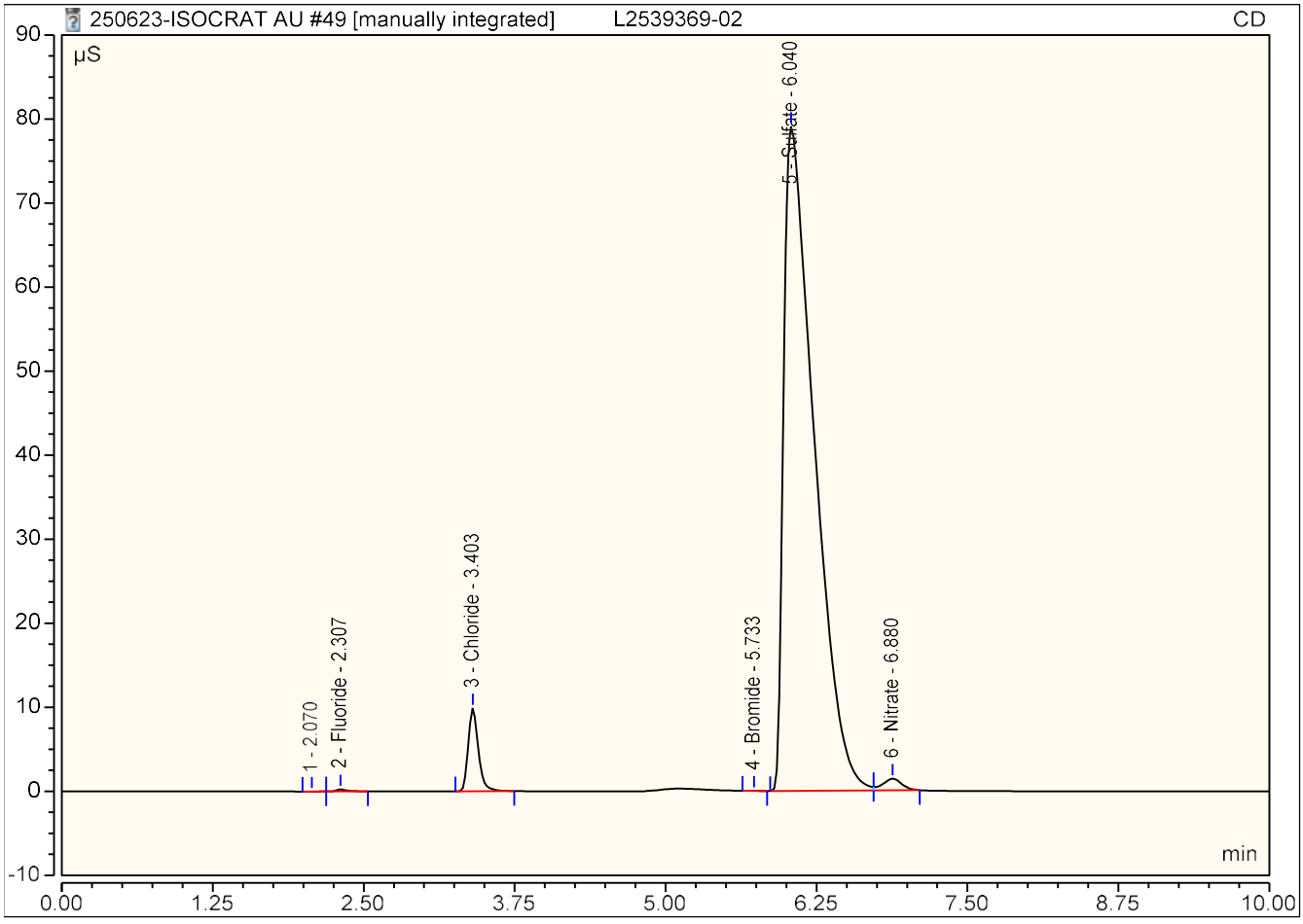
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.020	0.201	0.0633
3	3.40	**Chloride**	BMB	2.159	21.938	5.6878
4	5.74	**Bromide**	BMB	0.001	0.007	0.0430
5	6.05	**Sulfate**	BMB	22.106	76.322	73.5958
TOTAL:				24.29	98.47	79.39



Peak Integration Report

Sample Name:	**L2539369-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**23-Jun-2025 / 23:56**	*Run Time:*	**10.00**

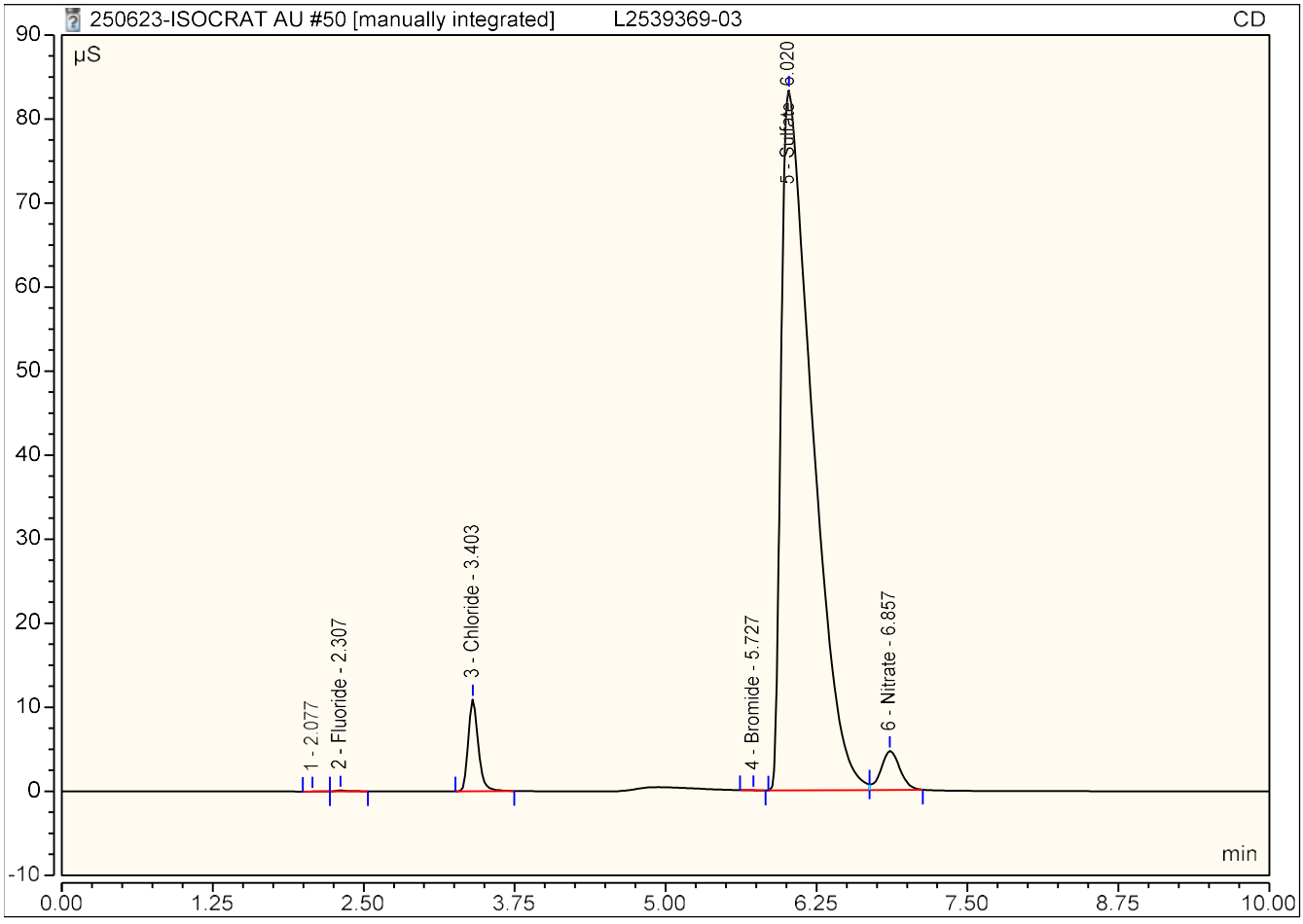
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.024	0.243	0.0699
3	3.40	**Chloride**	BMB	0.964	9.863	2.5919
4	5.73	**Bromide**	BMB	0.001	0.005	0.0411
5	6.04	**Sulfate**	BM *	23.091	79.011	76.8418
6	6.88	**Nitrate**	MB*	0.252	1.383	0.2915
TOTAL:				24.33	90.51	79.84



Peak Integration Report

Sample Name:	**L2539369-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 00:08**	*Run Time:*	**10.00**

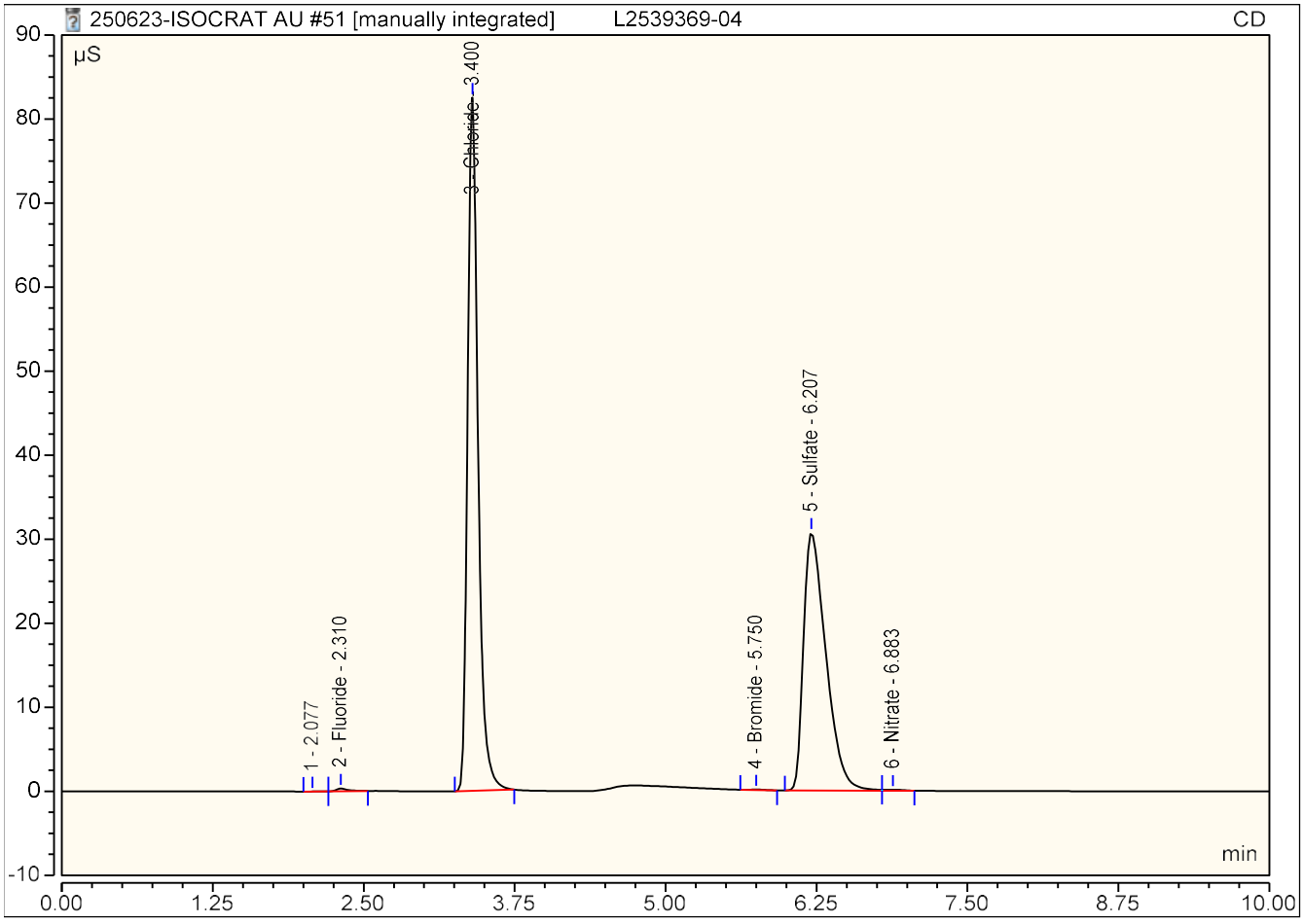
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.013	0.110	0.0499
3	3.40	**Chloride**	BMB	1.055	10.938	2.8278
4	5.73	**Bromide**	BMB	0.001	0.012	0.0471
5	6.02	**Sulfate**	BM *	24.757	83.285	82.3366
6	6.86	**Nitrate**	MB*	0.837	4.621	0.9066
TOTAL:				26.66	98.97	86.17



Peak Integration Report

Sample Name:	**L2539369-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 00:20**	*Run Time:*	**10.00**

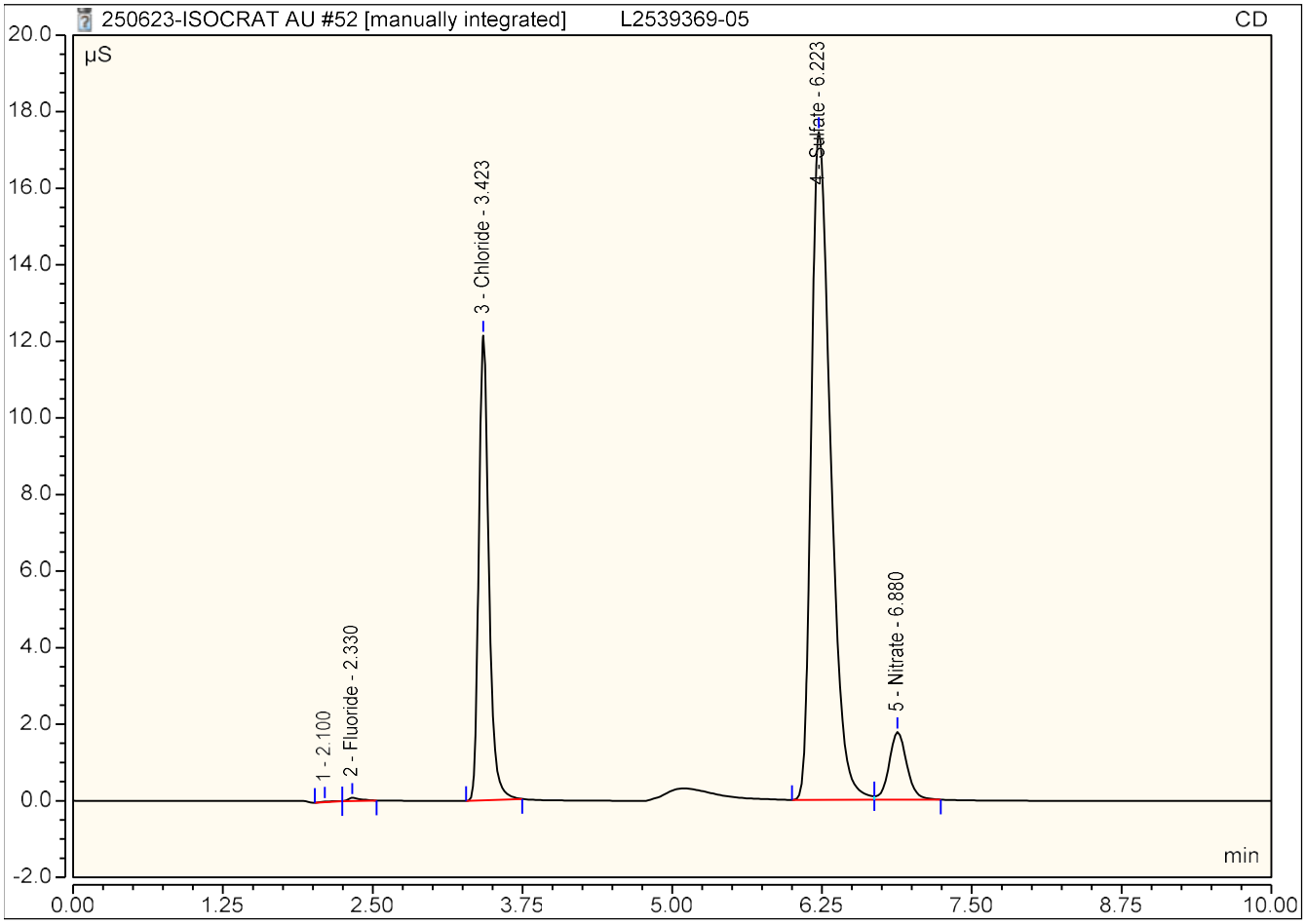
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.034	0.315	0.0893
3	3.40	**Chloride**	BMB	8.291	82.460	21.5657
4	5.75	**Bromide**	BMB	0.007	0.053	0.0911
5	6.21	**Sulfate**	BM *	6.596	30.667	22.4496
6	6.88	**Nitrate**	MB*	0.018	0.104	0.0460
TOTAL:				14.95	113.60	44.24



Peak Integration Report

Sample Name:	**L2539369-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 00:32**	*Run Time:*	**10.00**

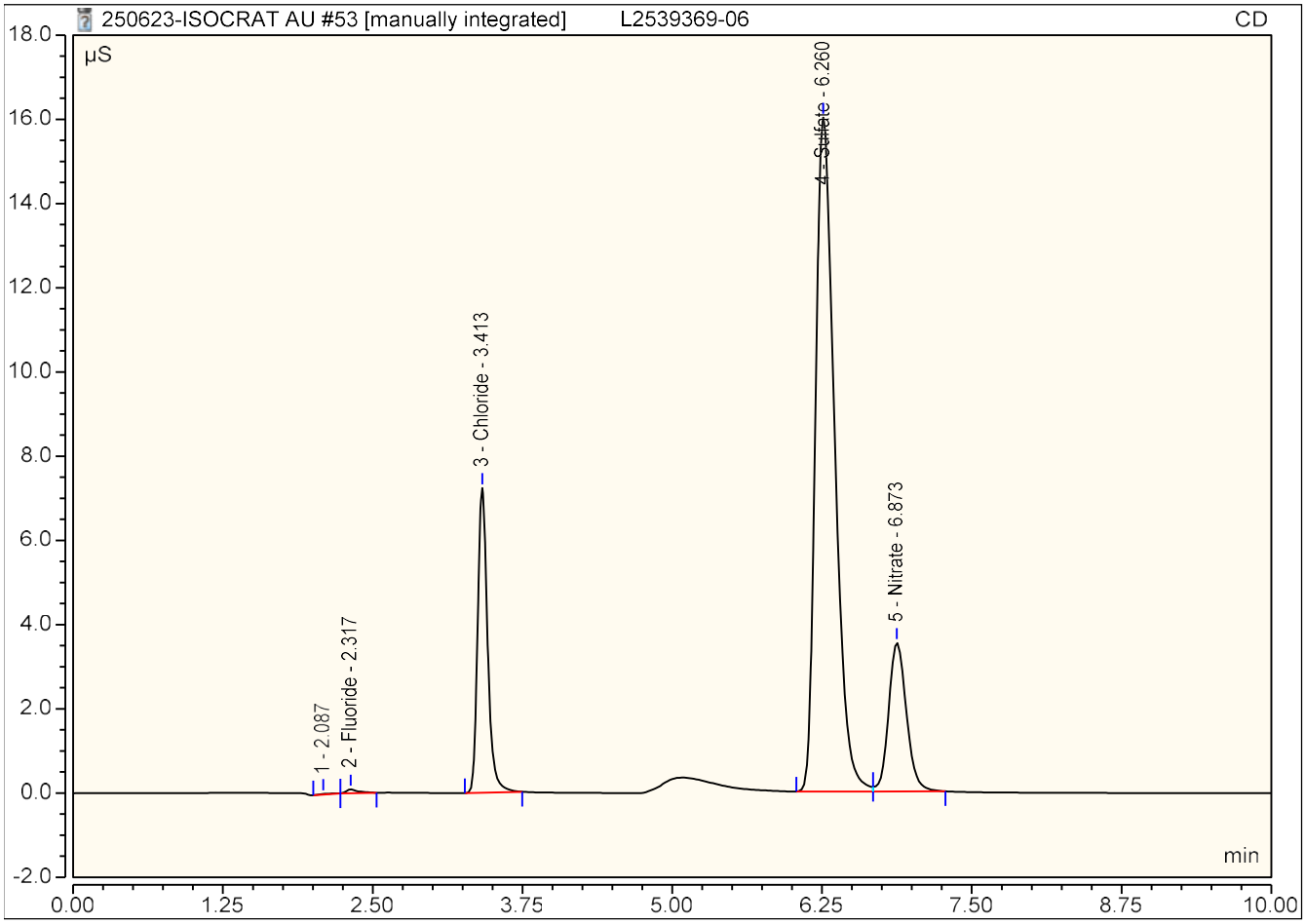
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.009	0.083	0.0441
3	3.42	**Chloride**	BMB	1.185	12.142	3.1646
4	6.22	**Sulfate**	BM *	3.266	17.446	11.4686
5	6.88	**Nitrate**	MB*	0.303	1.765	0.3450
TOTAL:				4.76	31.44	15.02



Peak Integration Report

Sample Name:	**L2539369-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 00:44**	*Run Time:*	**10.00**

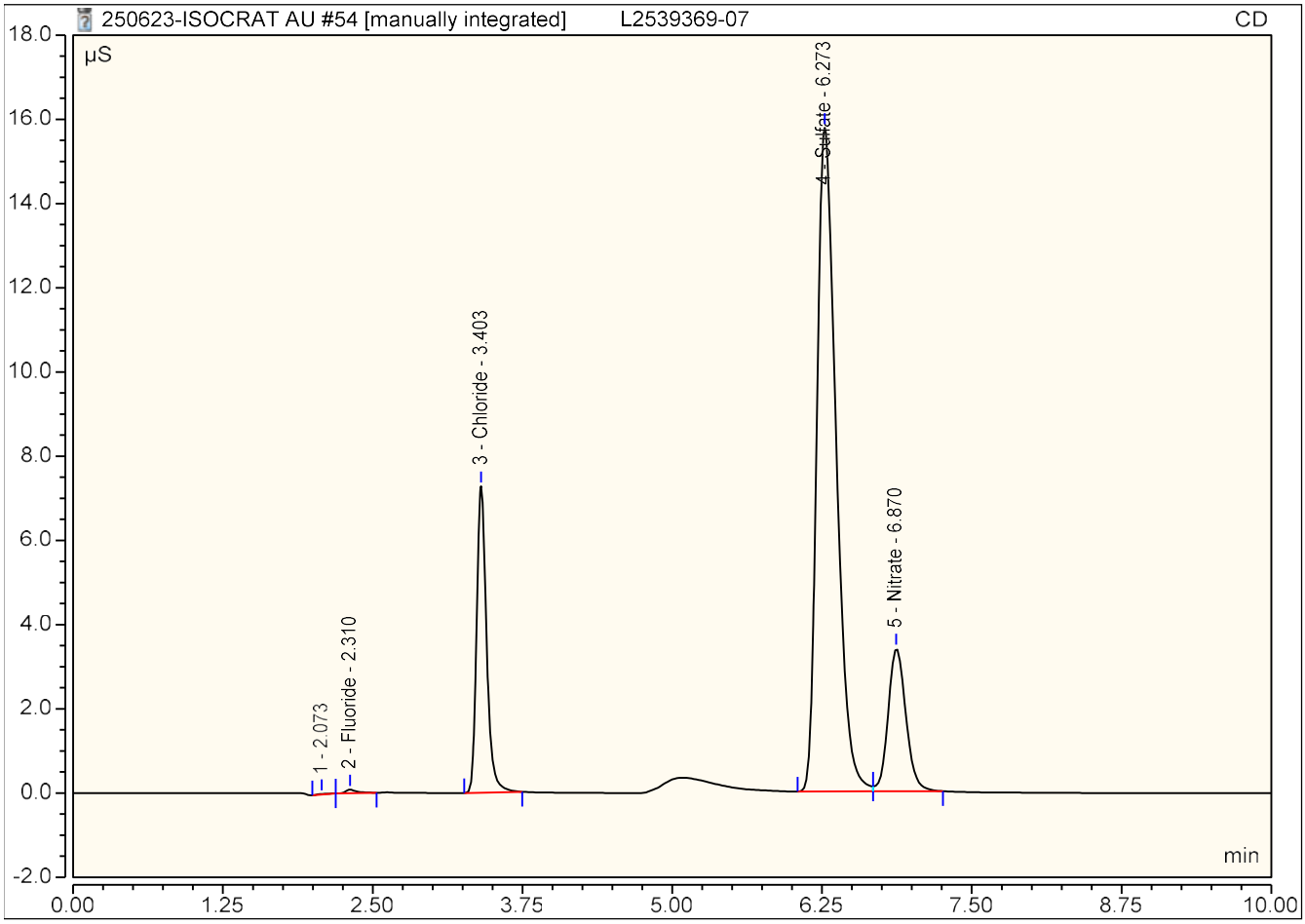
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.010	0.092	0.0454
3	3.41	**Chloride**	BMB	0.695	7.236	1.8956
4	6.26	**Sulfate**	BM *	2.950	16.006	10.4260
5	6.87	**Nitrate**	MB*	0.611	3.529	0.6683
TOTAL:				4.27	26.86	13.04



Peak Integration Report

Sample Name:	**L2539369-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 00:56**	*Run Time:*	**10.00**

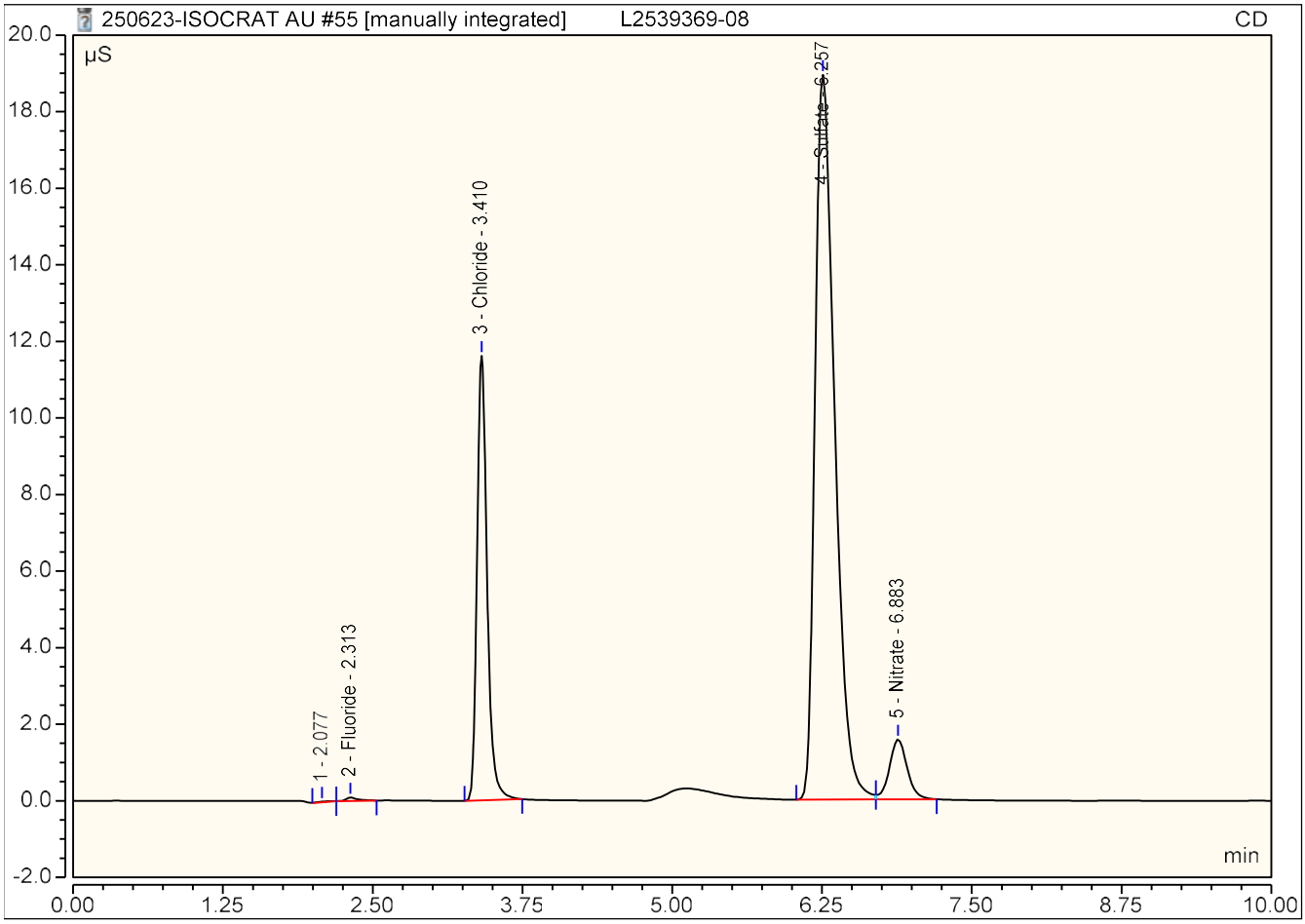
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.009	0.089	0.0440
3	3.40	**Chloride**	BMB	0.702	7.280	1.9136
4	6.27	**Sulfate**	BM *	2.921	15.762	10.3295
5	6.87	**Nitrate**	MB*	0.587	3.395	0.6433
TOTAL:				4.22	26.53	12.93



Peak Integration Report

Sample Name:	**L2539369-08**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 01:08**	*Run Time:*	**10.00**

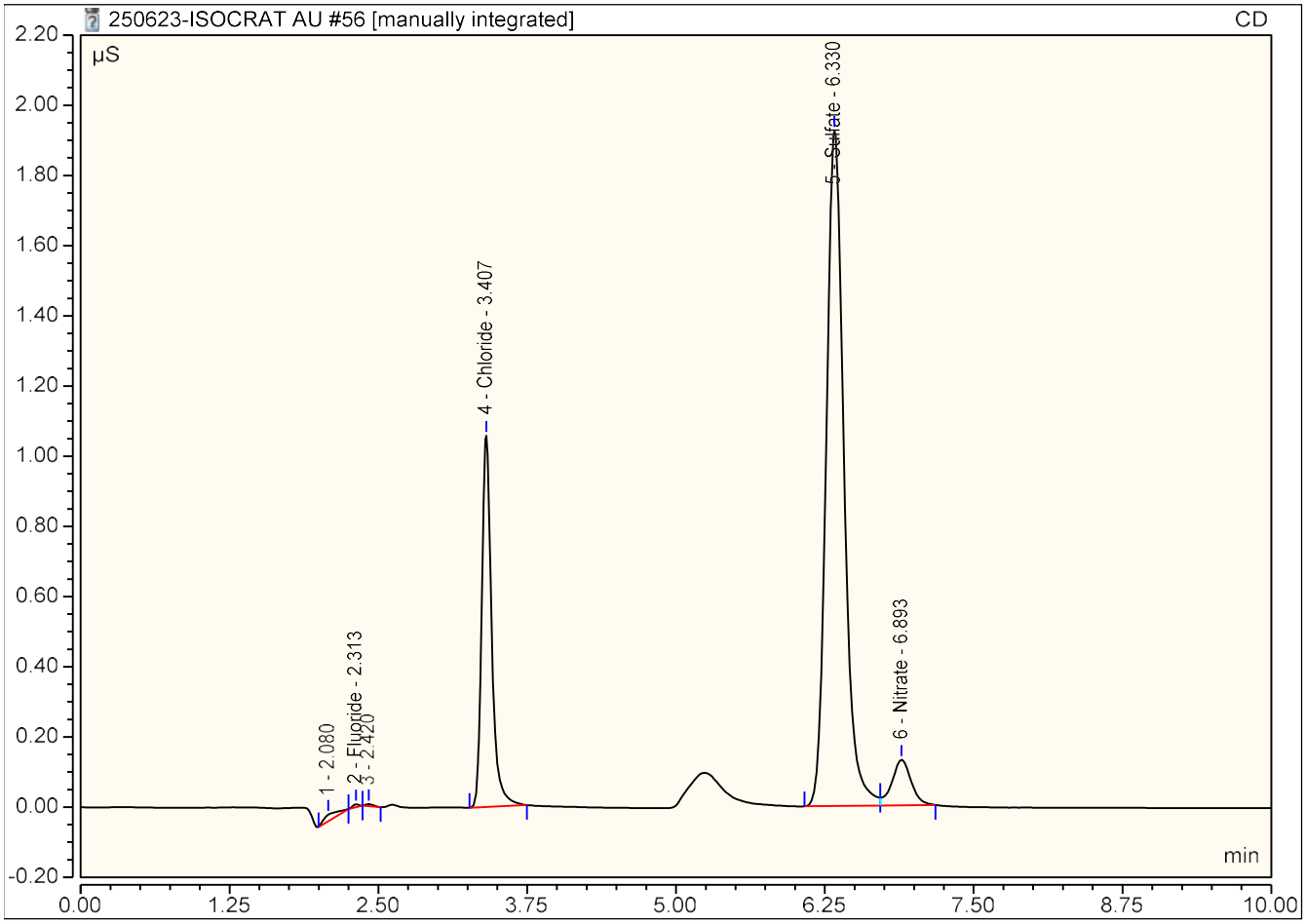
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.010	0.090	0.0450
3	3.41	**Chloride**	BMB	1.129	11.609	3.0204
4	6.26	**Sulfate**	BM *	3.586	18.934	12.5221
5	6.88	**Nitrate**	MB*	0.269	1.564	0.3098
TOTAL:				4.99	32.20	15.90



Peak Integration Report

Sample Name:	**XL2539369-08; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 01:20**	*Run Time:*	**10.00**

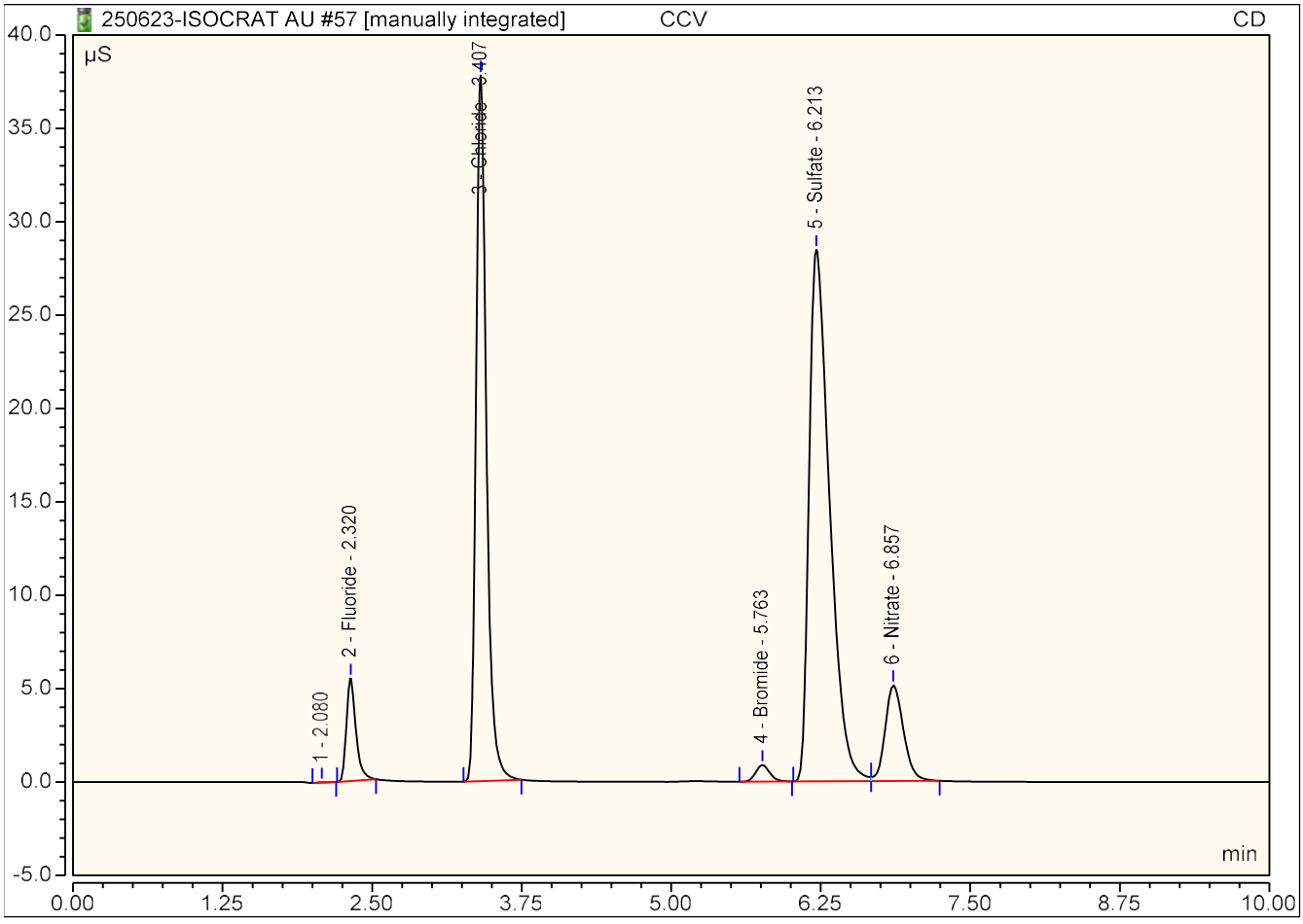
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.008	0.2819
4	3.41	**Chloride**	BMB	0.102	1.058	3.5947
5	6.33	**Sulfate**	BM *	0.330	1.924	17.8445
6	6.89	**Nitrate**	MB*	0.024	0.130	0.5238
TOTAL:				0.46	3.12	22.24



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 01:32**	*Run Time:*	**10.00**

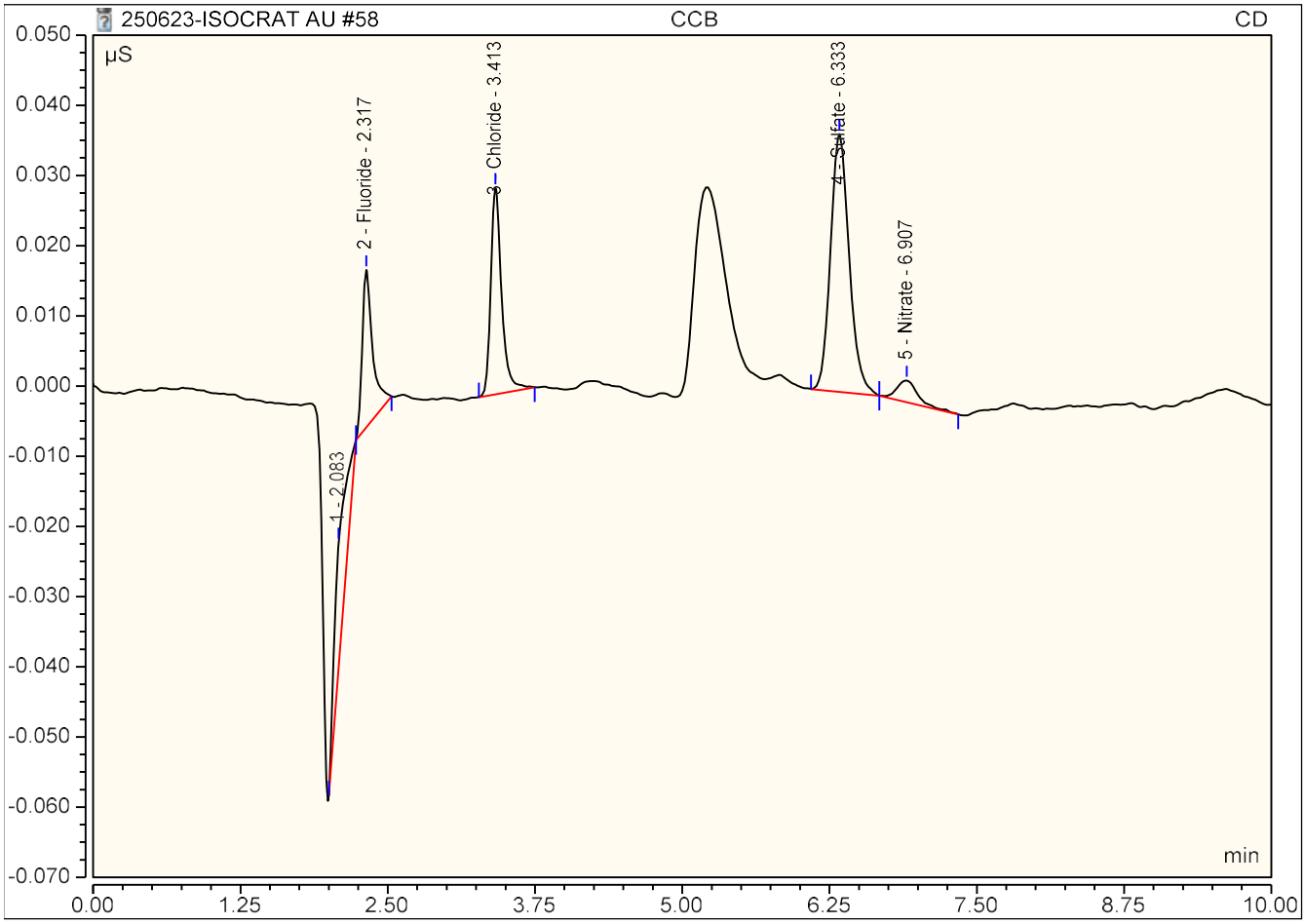
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.502	5.501	0.9325
3	3.41	**Chloride**	BMB	3.804	37.777	9.9465
4	5.76	**Bromide**	BMB	0.123	0.897	0.9488
5	6.21	**Sulfate**	BM *	5.675	28.466	19.4125
6	6.86	**Nitrate**	MB*	0.913	5.137	0.9857
TOTAL:				11.02	77.78	32.23



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 01:44**	*Run Time:*	**10.00**

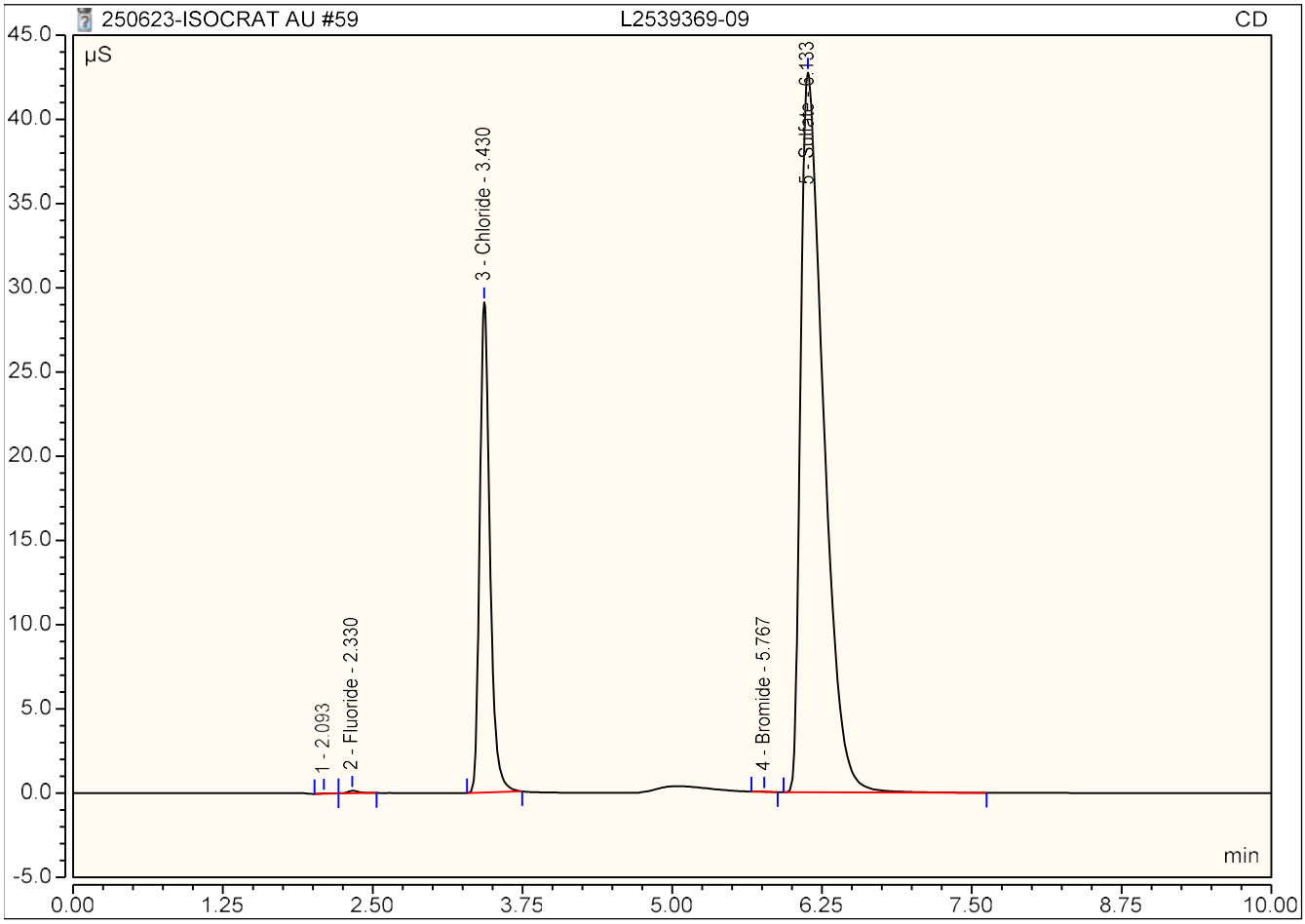
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.002	0.022	0.0314
3	3.41	**Chloride**	BMB	0.003	0.029	0.1034
4	6.33	**Sulfate**	BMB	0.007	0.037	0.7201
5	6.91	**Nitrate**	BMB	0.001	0.003	0.0275
TOTAL:				0.01	0.09	0.88



Peak Integration Report

Sample Name:	**L2539369-09**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 01:56**	*Run Time:*	**10.00**

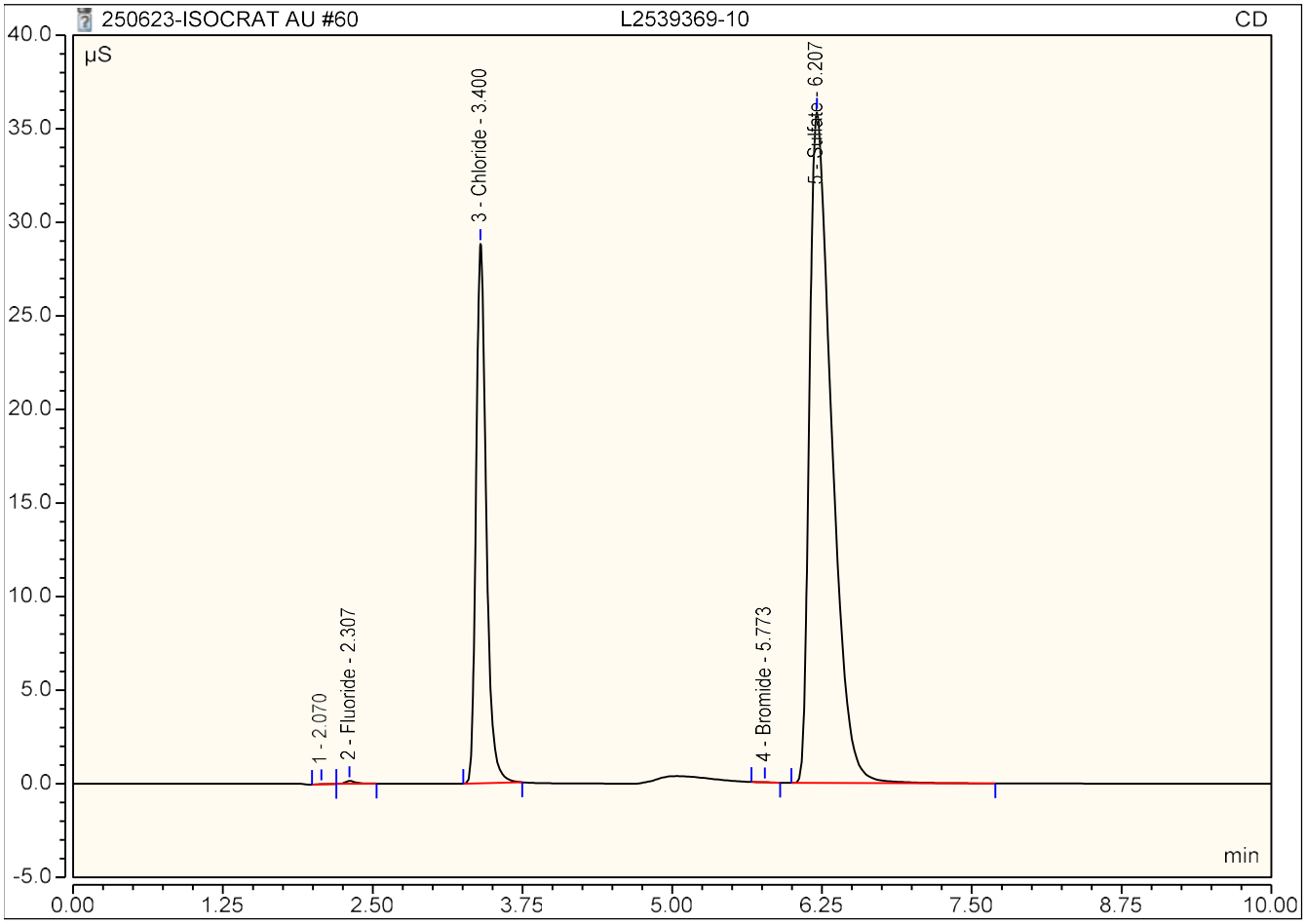
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.014	0.146	0.0531
3	3.43	**Chloride**	BMB	2.869	29.104	7.5261
4	5.77	**Bromide**	BMB	0.001	0.009	0.0449
5	6.13	**Sulfate**	BMB	9.485	42.725	31.9746
TOTAL:				12.37	71.98	39.60



Peak Integration Report

Sample Name:	**L2539369-10**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 02:09**	*Run Time:*	**10.00**

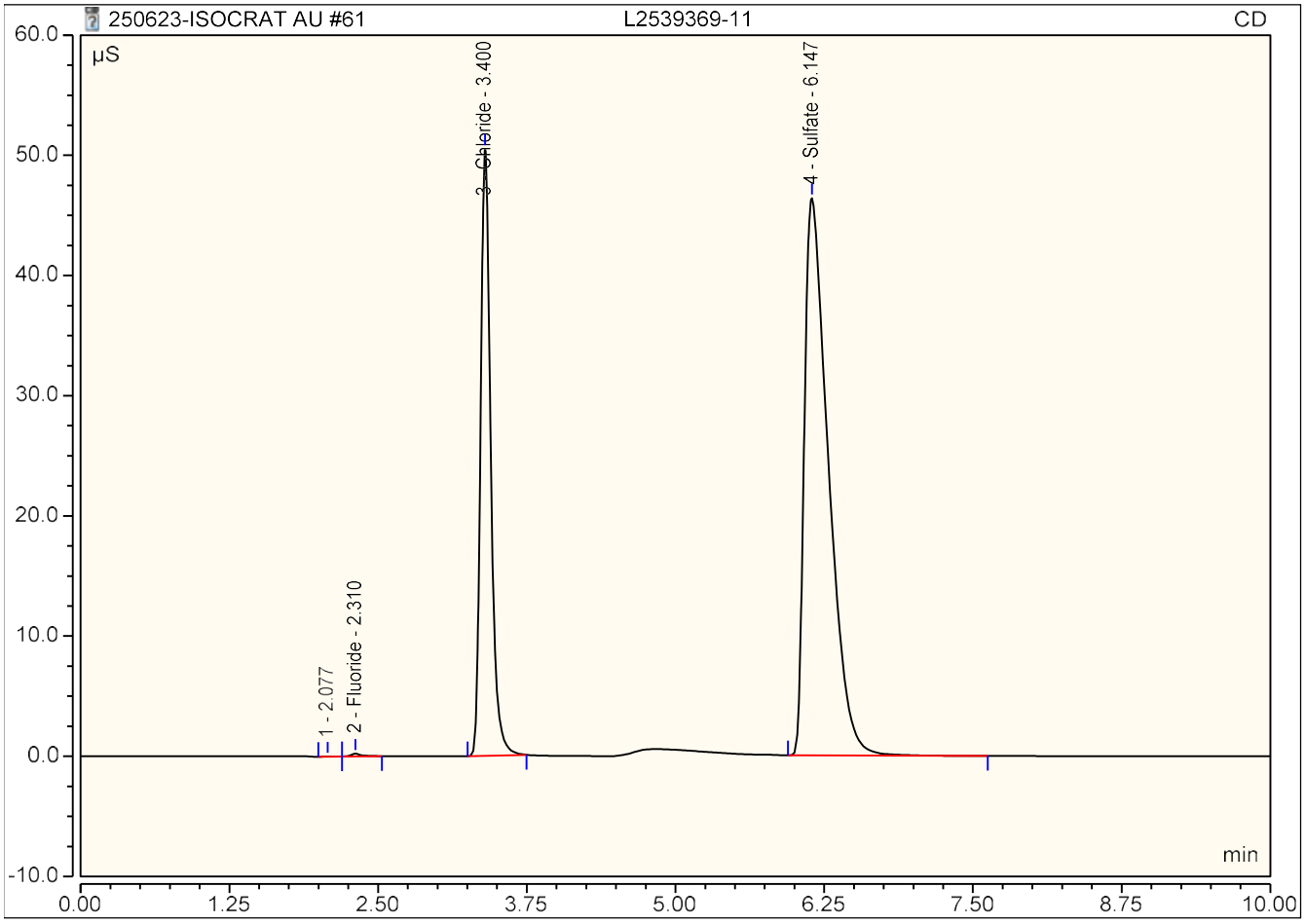
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.016	0.159	0.0553
3	3.40	**Chloride**	BMB	2.841	28.830	7.4532
4	5.77	**Bromide**	BMB	0.001	0.011	0.0462
5	6.21	**Sulfate**	BMB	7.707	35.829	26.1112
TOTAL:				10.56	64.83	33.67



Peak Integration Report

Sample Name:	**L2539369-11**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 02:21**	*Run Time:*	**10.00**

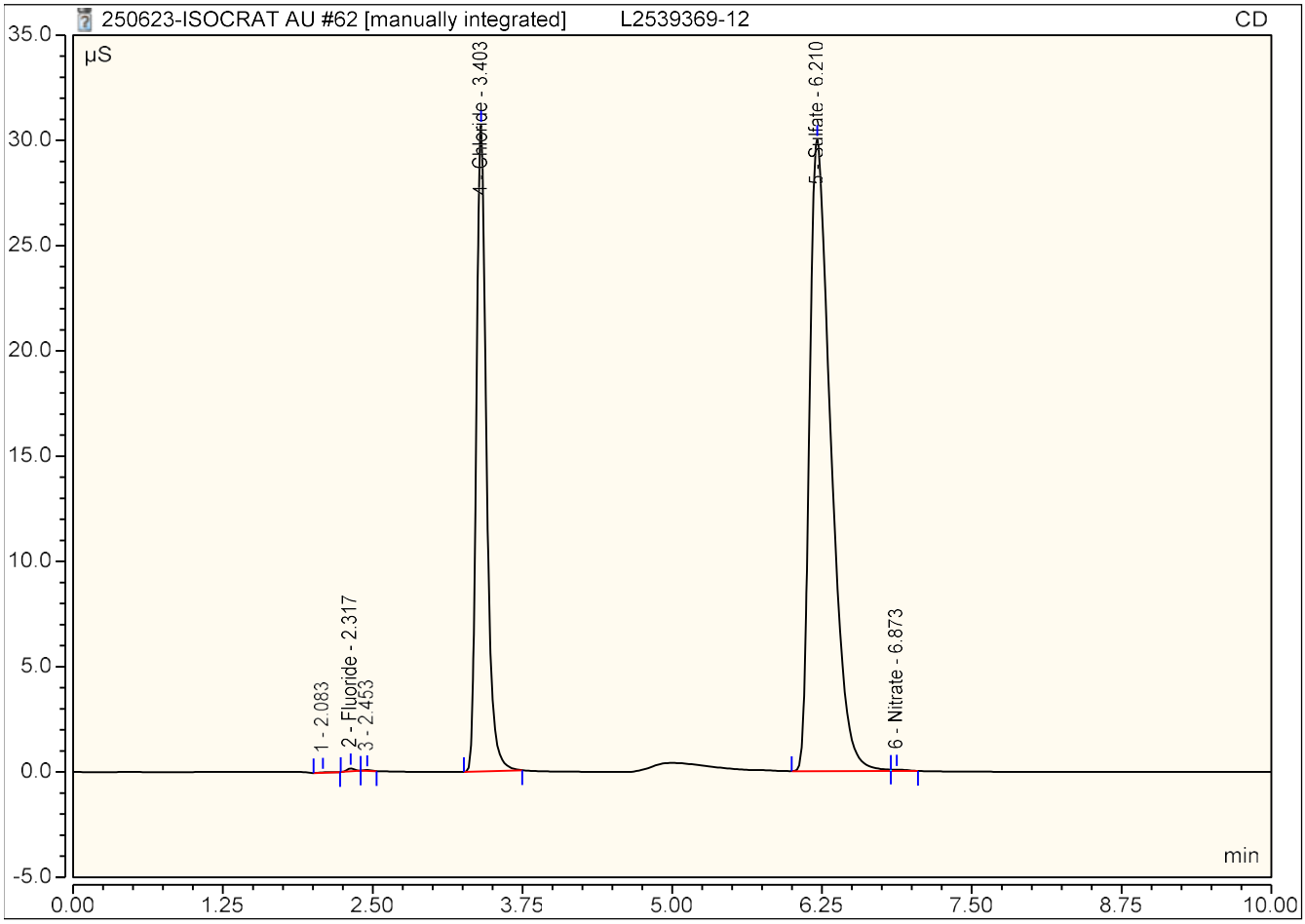
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.021	0.213	0.0658
3	3.40	**Chloride**	BMB	4.984	50.500	13.0022
4	6.15	**Sulfate**	BMB	10.834	46.361	36.4234
TOTAL:				15.84	97.07	49.49



Peak Integration Report

Sample Name:	**L2539369-12**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 02:33**	*Run Time:*	**10.00**

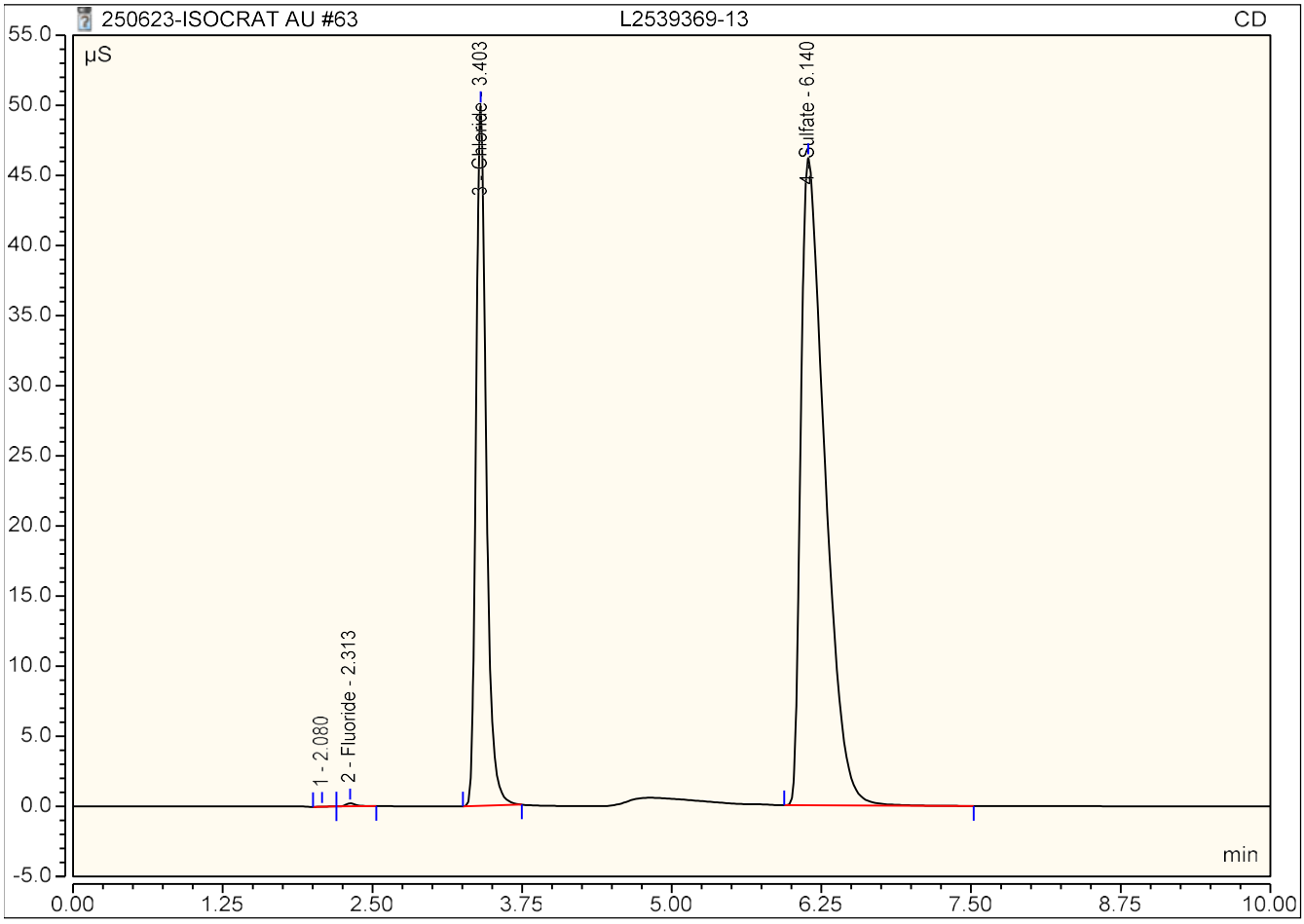
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.011	0.146	0.0463
4	3.40	**Chloride**	BMB	3.005	30.679	7.8768
5	6.21	**Sulfate**	BM *	6.183	29.985	21.0873
6	6.87	**Nitrate**	MB*	0.010	0.067	0.0372
TOTAL:				9.21	60.88	29.05



Peak Integration Report

Sample Name:	**L2539369-13**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 02:45**	*Run Time:*	**10.00**

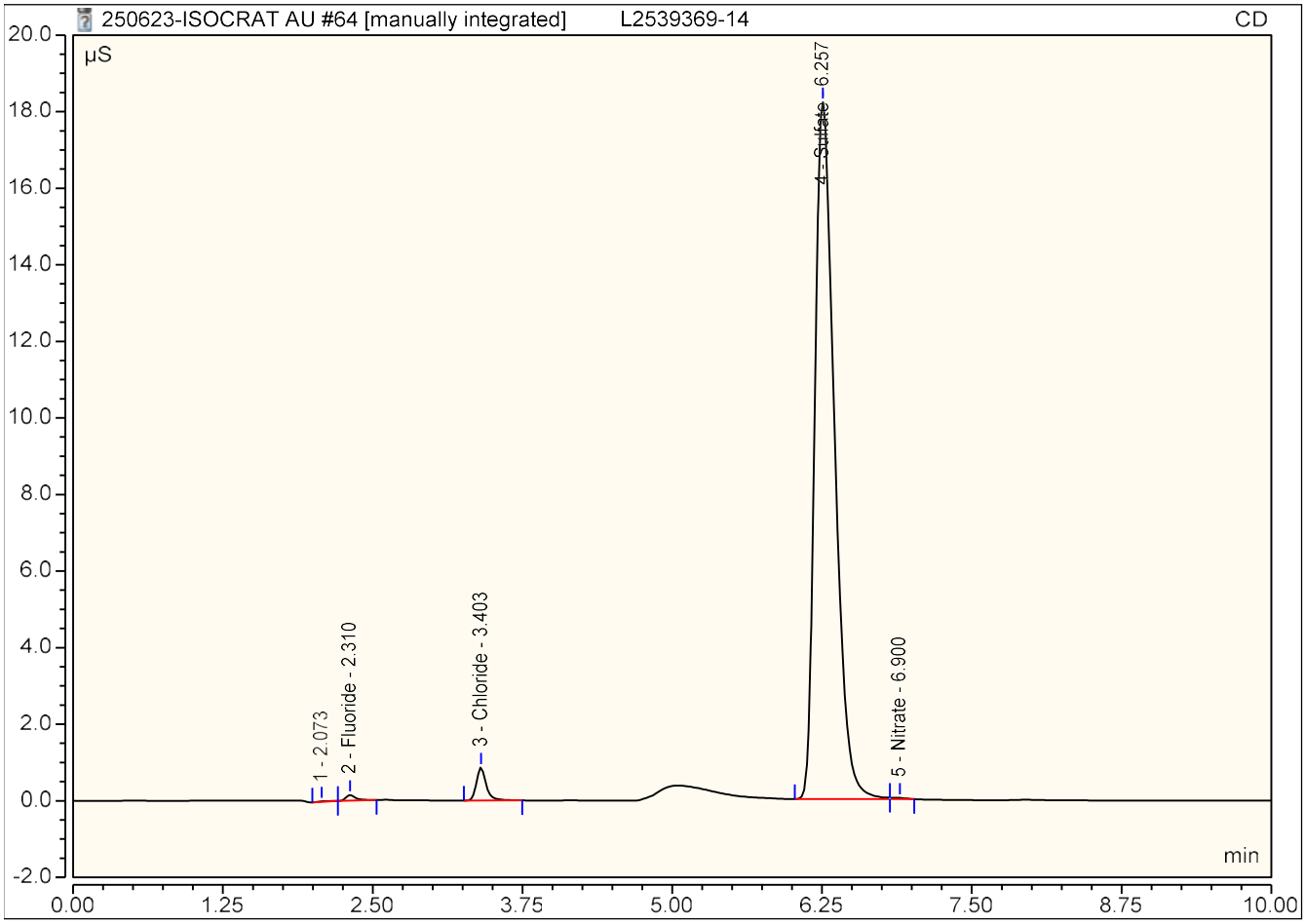
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.022	0.225	0.0677
3	3.40	**Chloride**	BMB	4.937	49.899	12.8809
4	6.14	**Sulfate**	BMB	10.751	46.164	36.1514
TOTAL:				15.71	96.29	49.10



Peak Integration Report

Sample Name:	**L2539369-14**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 02:57**	*Run Time:*	**10.00**

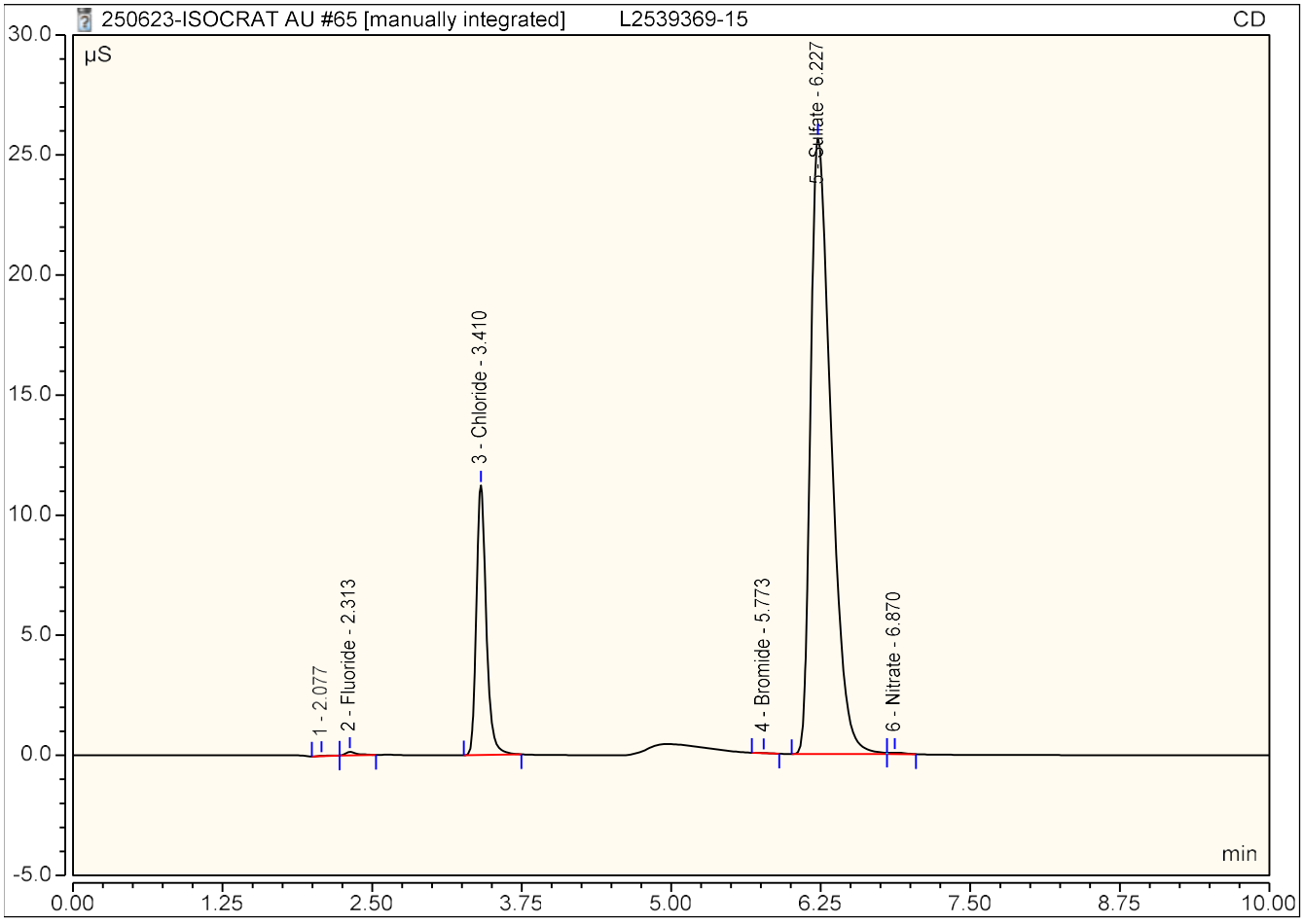
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.014	0.148	0.0531
3	3.40	**Chloride**	BMB	0.082	0.858	0.3078
4	6.26	**Sulfate**	BM *	3.442	18.205	12.0470
5	6.90	**Nitrate**	MB*	0.005	0.032	0.0320
TOTAL:				3.54	19.24	12.44



Peak Integration Report

Sample Name:	**L2539369-15**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 03:09**	*Run Time:*	**10.00**

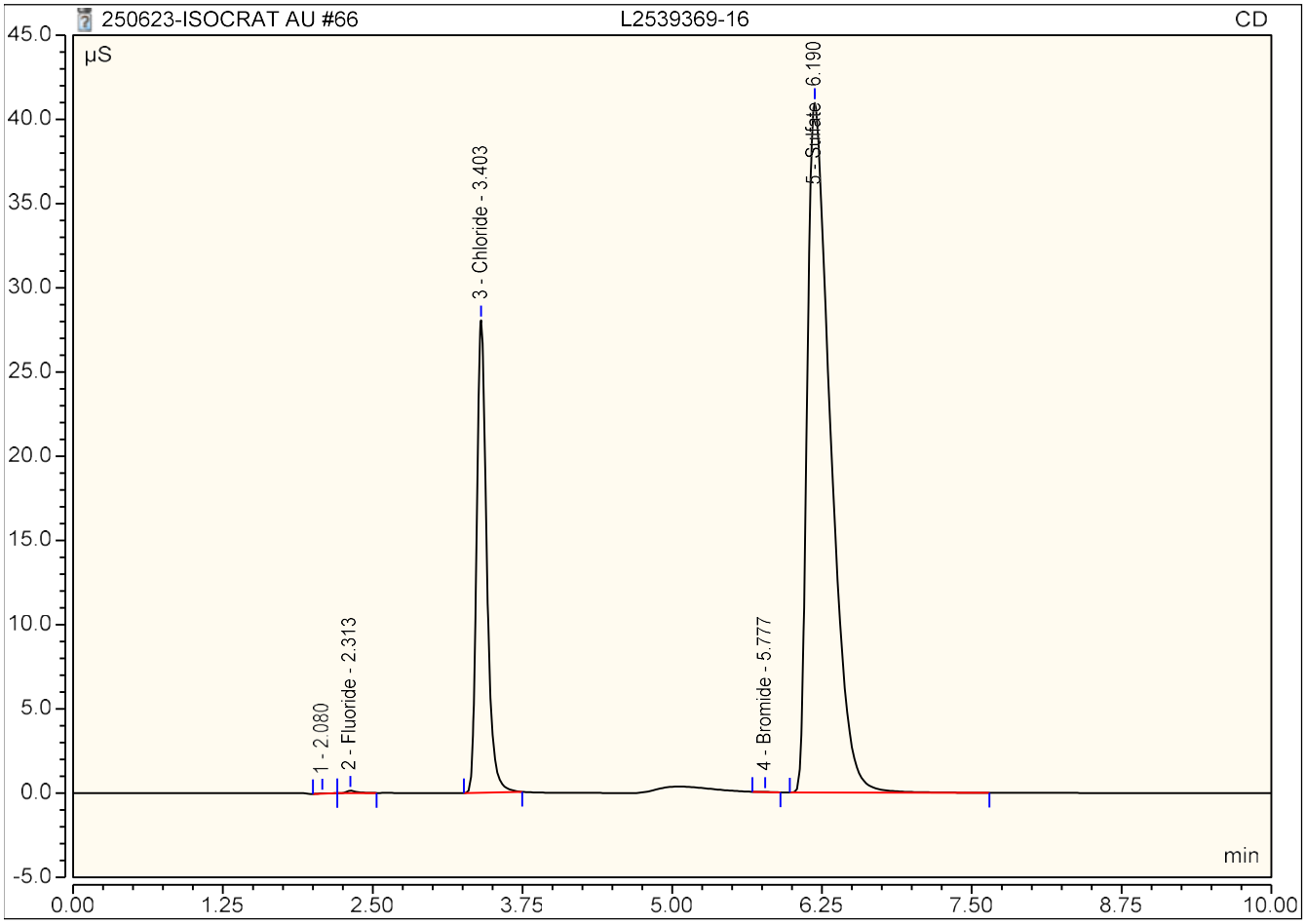
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.015	0.144	0.0547
3	3.41	**Chloride**	BMB	1.077	11.220	2.8857
4	5.77	**Bromide**	BMB	0.001	0.007	0.0433
5	6.23	**Sulfate**	BM *	5.111	25.644	17.5512
6	6.87	**Nitrate**	MB*	0.010	0.061	0.0373
TOTAL:				6.21	37.08	20.57



Peak Integration Report

Sample Name:	**L2539369-16**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 03:21**	*Run Time:*	**10.00**

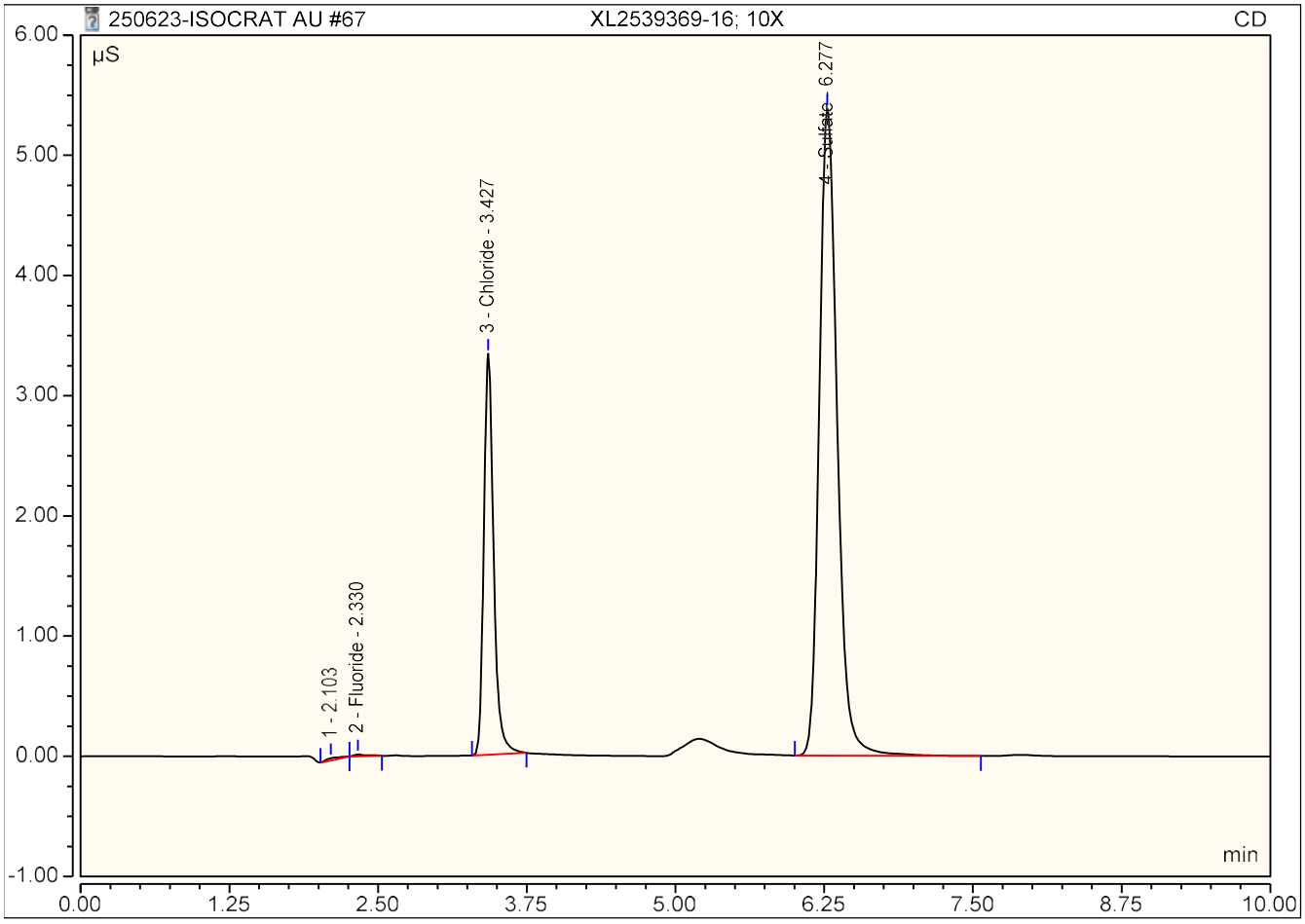
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.015	0.153	0.0547
3	3.40	**Chloride**	BMB	2.754	28.045	7.2266
4	5.78	**Bromide**	BMB	0.001	0.008	0.0441
5	6.19	**Sulfate**	BMB	9.202	40.941	31.0435
TOTAL:				11.97	69.15	38.37



Peak Integration Report

Sample Name:	**XL2539369-16; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 03:33**	*Run Time:*	**10.00**

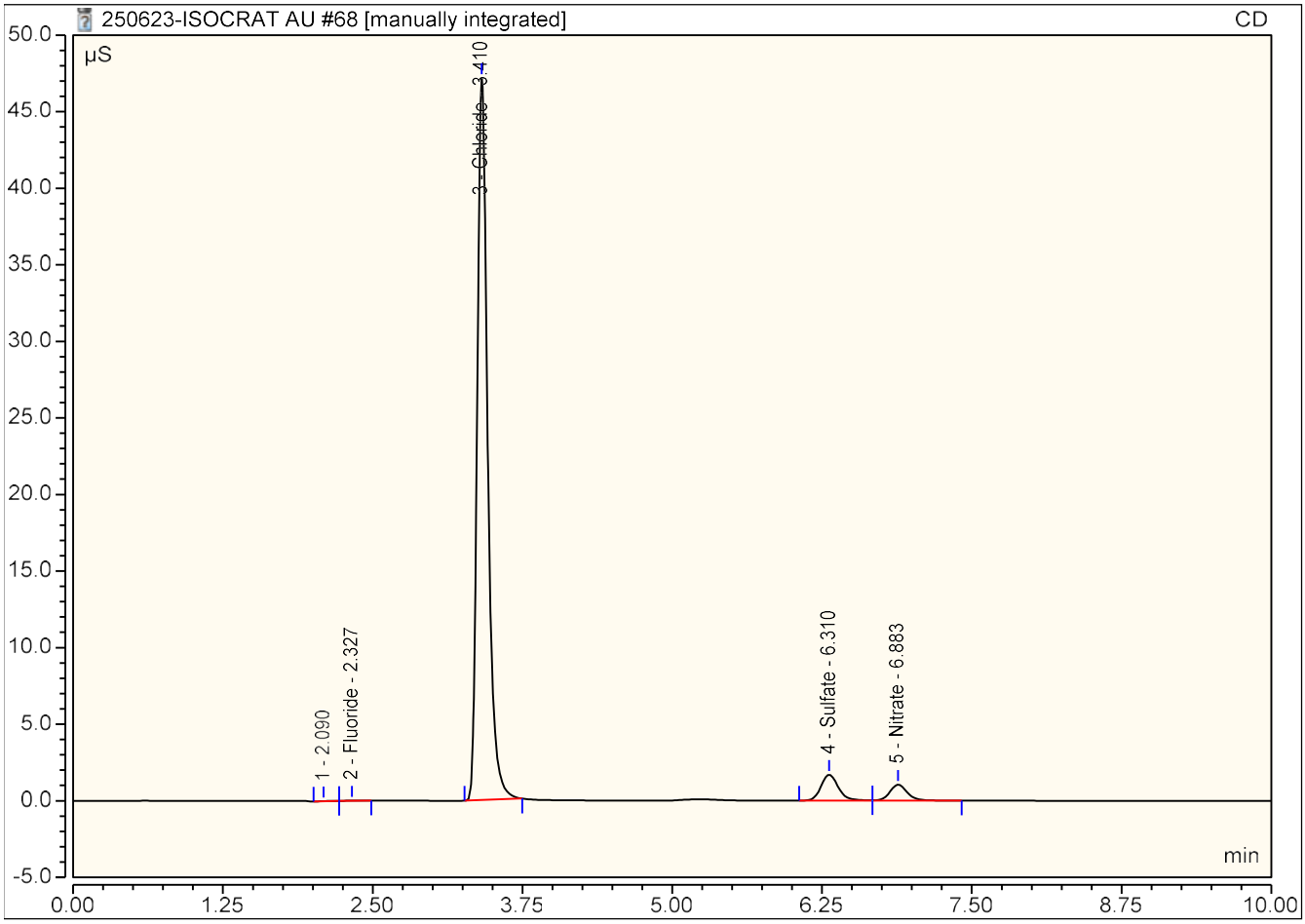
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.002	0.016	0.3077
3	3.43	**Chloride**	BMB	0.319	3.336	9.2212
4	6.28	**Sulfate**	BMB	0.938	5.380	37.9245
TOTAL:				1.26	8.73	47.45



Peak Integration Report

Sample Name:	**L2539196-02; 10X CL**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 03:45**	*Run Time:*	**10.00**

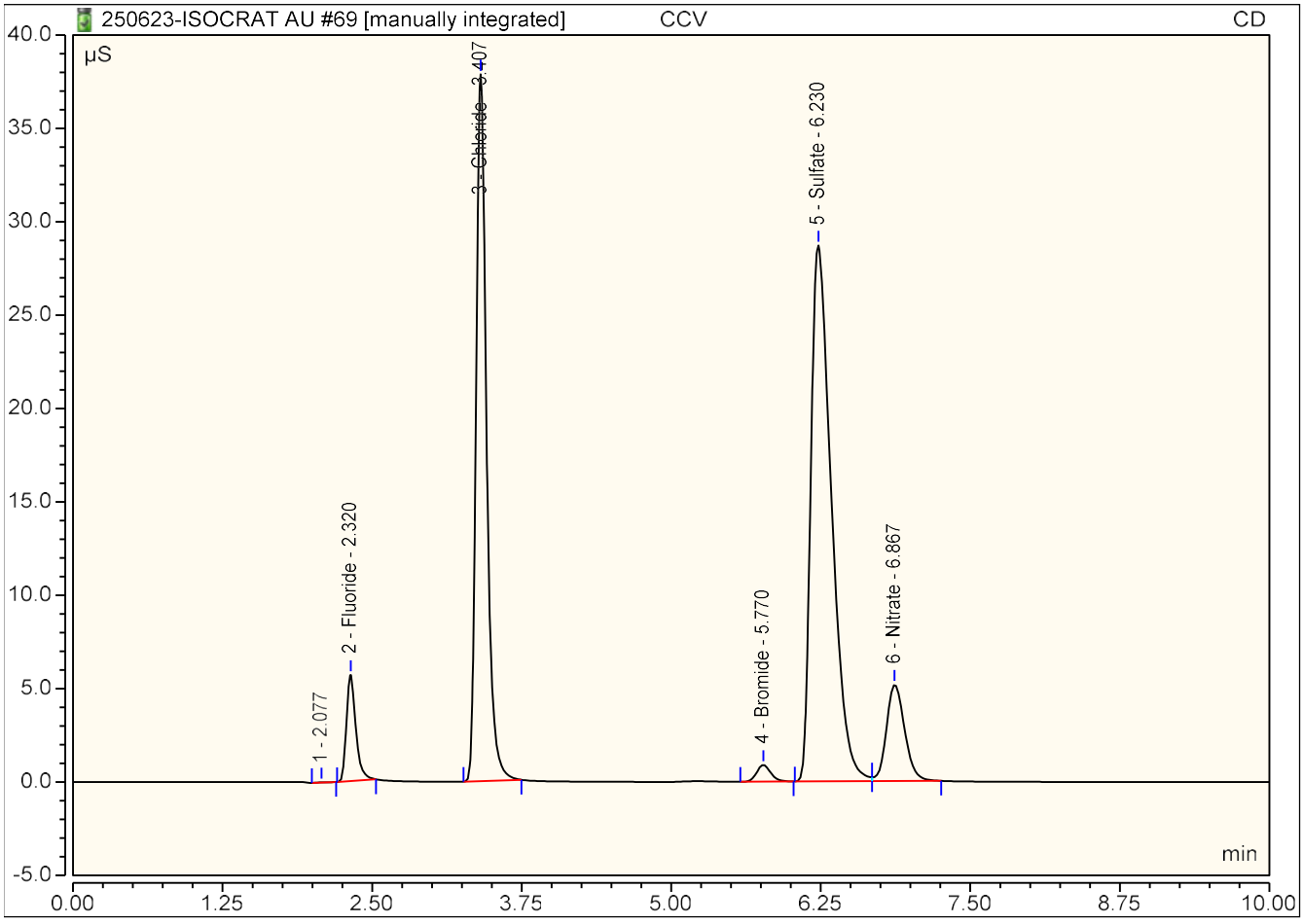
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.002	0.024	0.3104
3	3.41	**Chloride**	BMB	4.775	47.163	124.6157
4	6.31	**Sulfate**	BM *	0.286	1.698	16.4061
5	6.88	**Nitrate**	MB*	0.179	1.045	2.1503
TOTAL:				5.24	49.93	143.48



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 03:57**	*Run Time:*	**10.00**

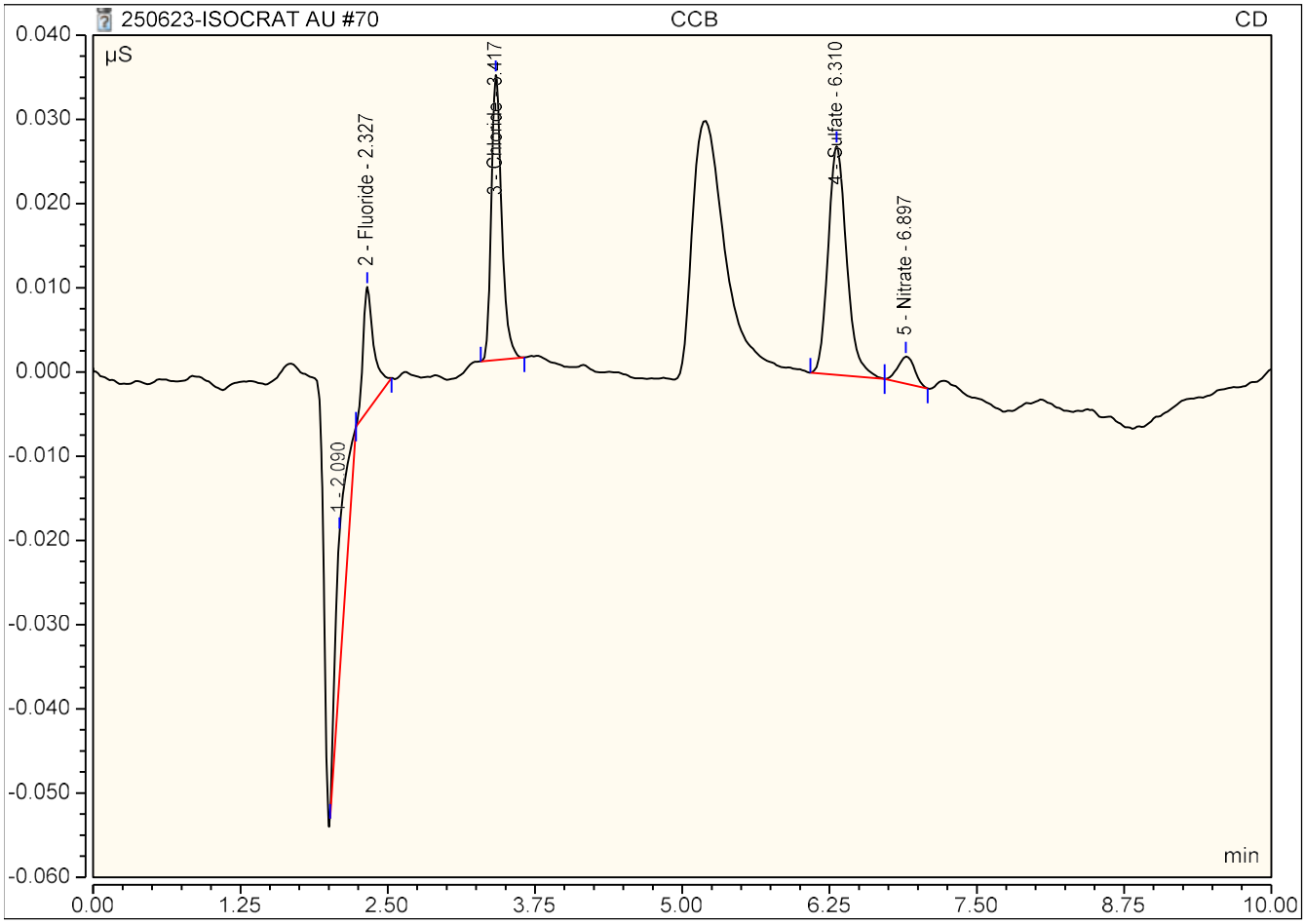
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.513	5.690	0.9521
3	3.41	**Chloride**	BMB	3.823	37.845	9.9963
4	5.77	**Bromide**	BMB	0.123	0.900	0.9522
5	6.23	**Sulfate**	BM *	5.719	28.697	19.5562
6	6.87	**Nitrate**	MB*	0.914	5.169	0.9872
TOTAL:				11.09	78.30	32.44



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 04:10**	*Run Time:*	**10.00**

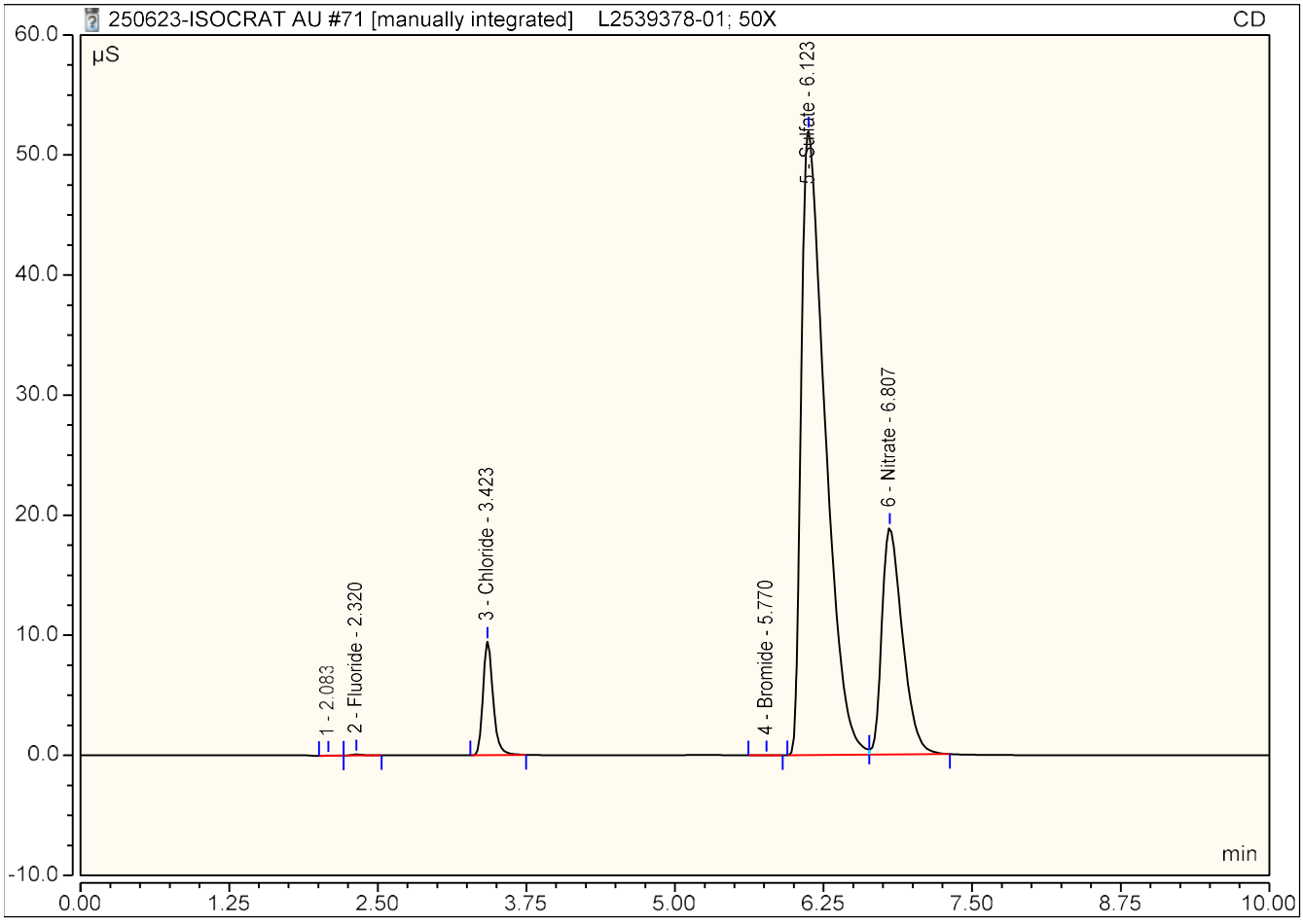
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.002	0.015	0.0301
3	3.42	**Chloride**	BMB	0.003	0.034	0.1042
4	6.31	**Sulfate**	BMB	0.005	0.027	0.7142
5	6.90	**Nitrate**	BMB	0.001	0.003	0.0274
TOTAL:				0.01	0.08	0.88



Peak Integration Report

Sample Name:	**L2539378-01; 50X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**50.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 04:22**	*Run Time:*	**10.00**

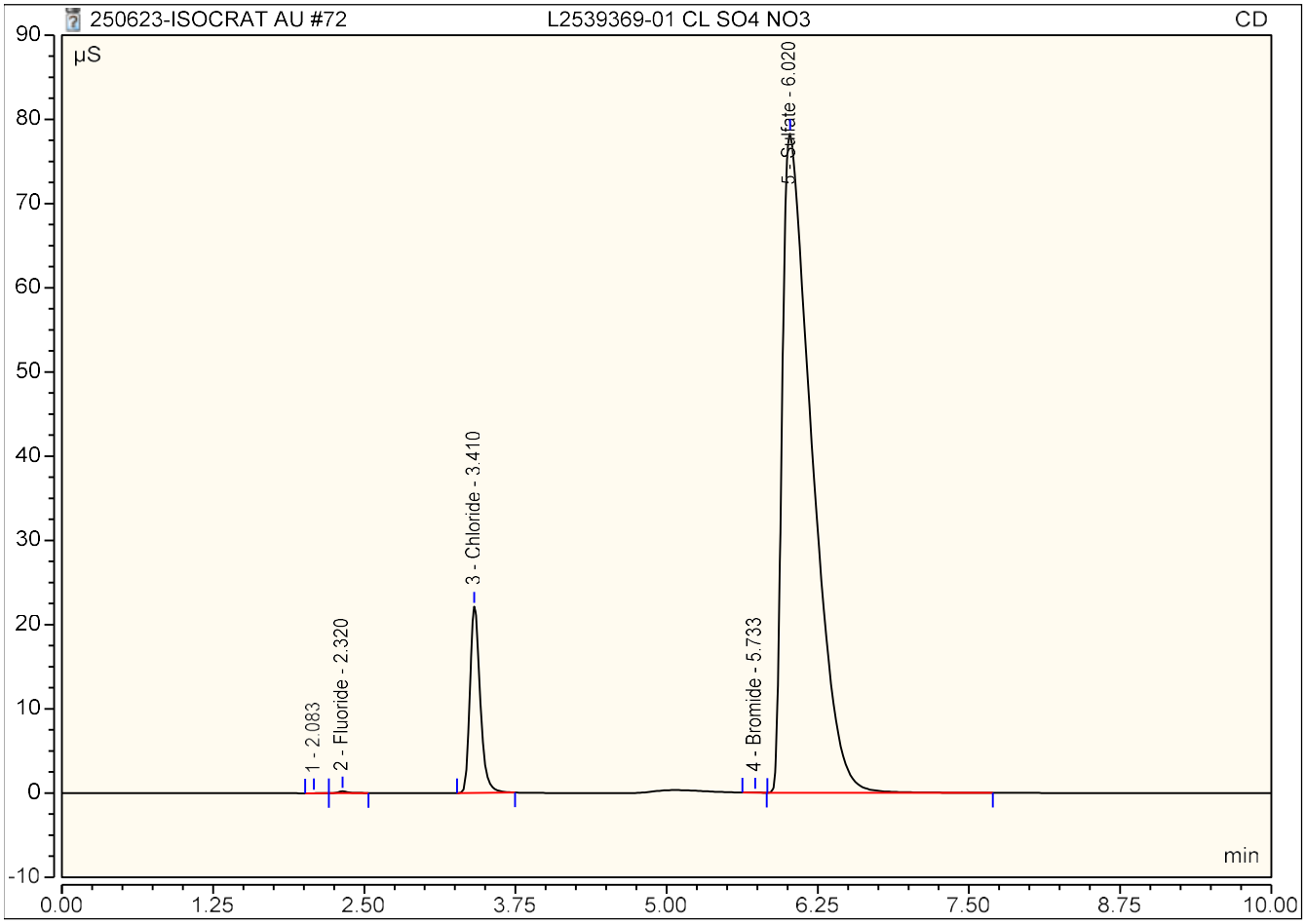
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.009	0.090	2.1593
3	3.42	**Chloride**	BMB	0.930	9.445	125.2431
4	5.77	**Bromide**	BMB	0.001	0.009	2.2932
5	6.12	**Sulfate**	BM *	12.122	51.966	2033.6510
6	6.81	**Nitrate**	MB*	3.796	18.887	200.7439
TOTAL:				16.86	80.40	2364.09



Peak Integration Report

Sample Name:	**L2539369-01 CL SO4 NO3**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 04:34**	*Run Time:*	**10.00**

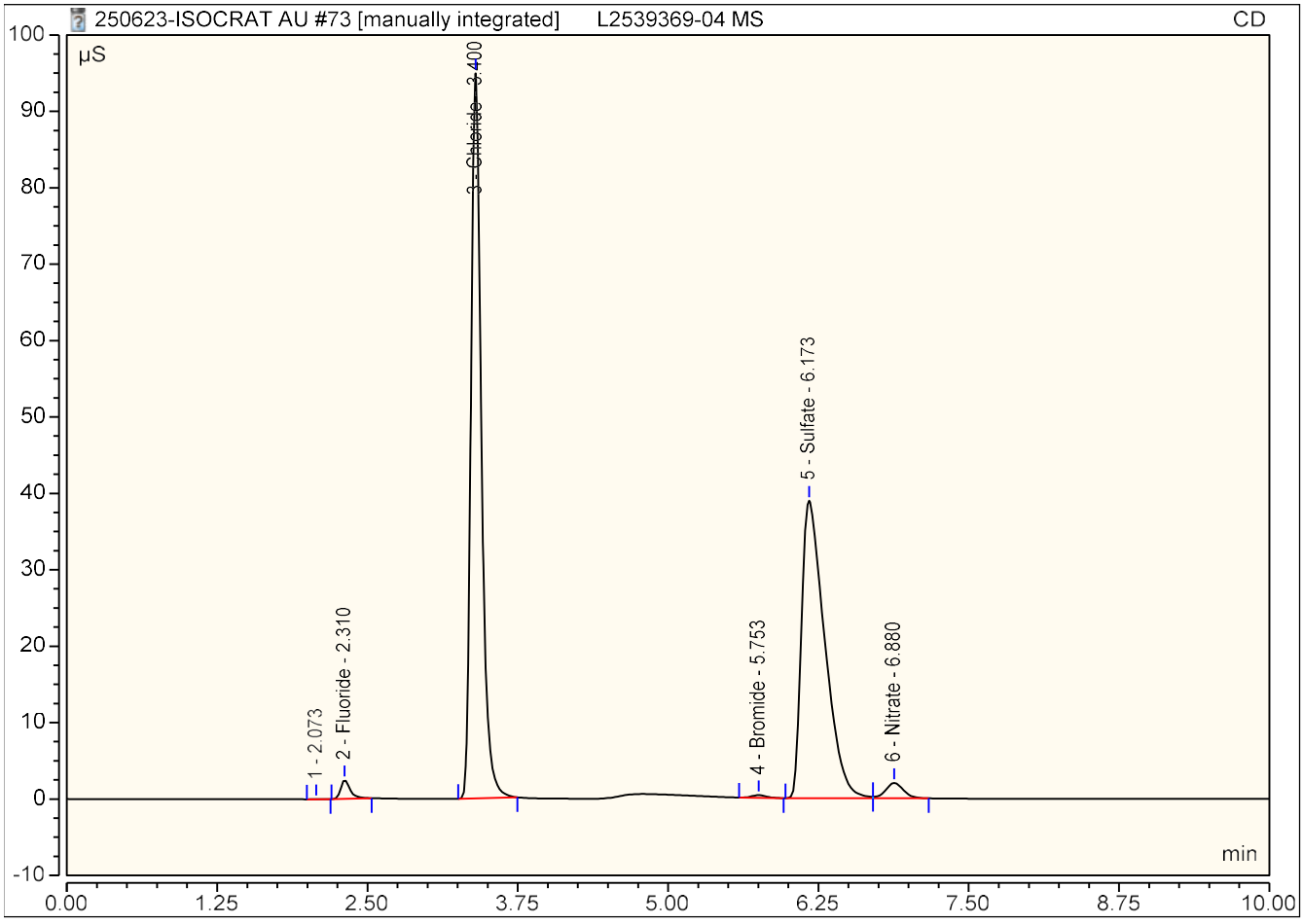
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.020	0.210	0.0636
3	3.41	**Chloride**	BMB	2.179	22.139	5.7373
4	5.73	**Bromide**	BMB	0.001	0.007	0.0429
5	6.02	**Sulfate**	BMB	22.118	78.254	73.6359
TOTAL:				24.32	100.61	79.48



Peak Integration Report

Sample Name:	**L2539369-04 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 04:46**	*Run Time:*	**10.00**

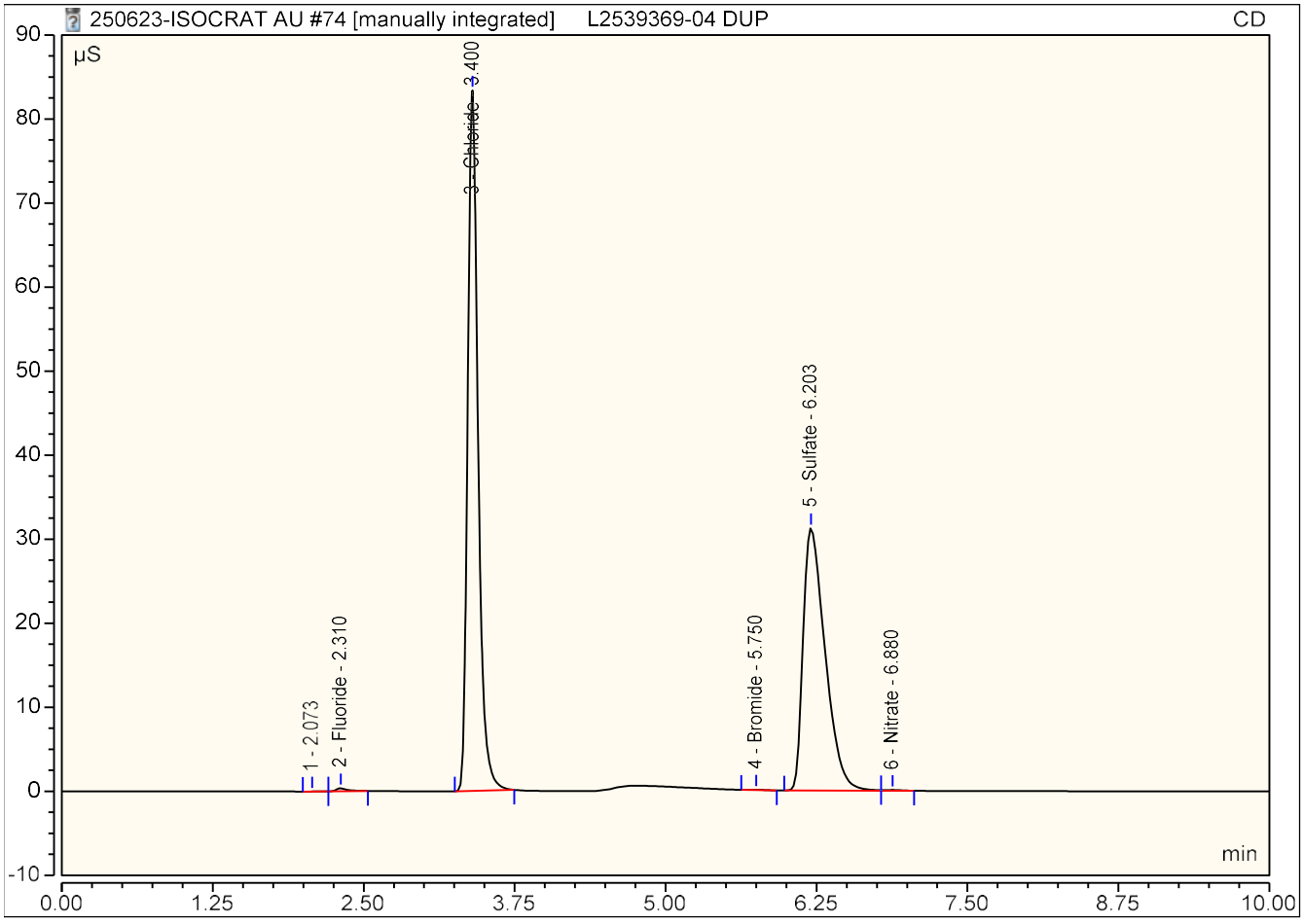
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.224	2.440	0.4314
3	3.40	**Chloride**	BMB	9.513	94.917	24.7326
4	5.75	**Bromide**	BMB	0.048	0.352	0.3937
5	6.17	**Sulfate**	BM *	8.725	38.926	29.4698
6	6.88	**Nitrate**	MB*	0.347	2.014	0.3911
TOTAL:				18.86	138.65	55.42



Peak Integration Report

Sample Name:	**L2539369-04 DUP**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 04:58**	*Run Time:*	**10.00**

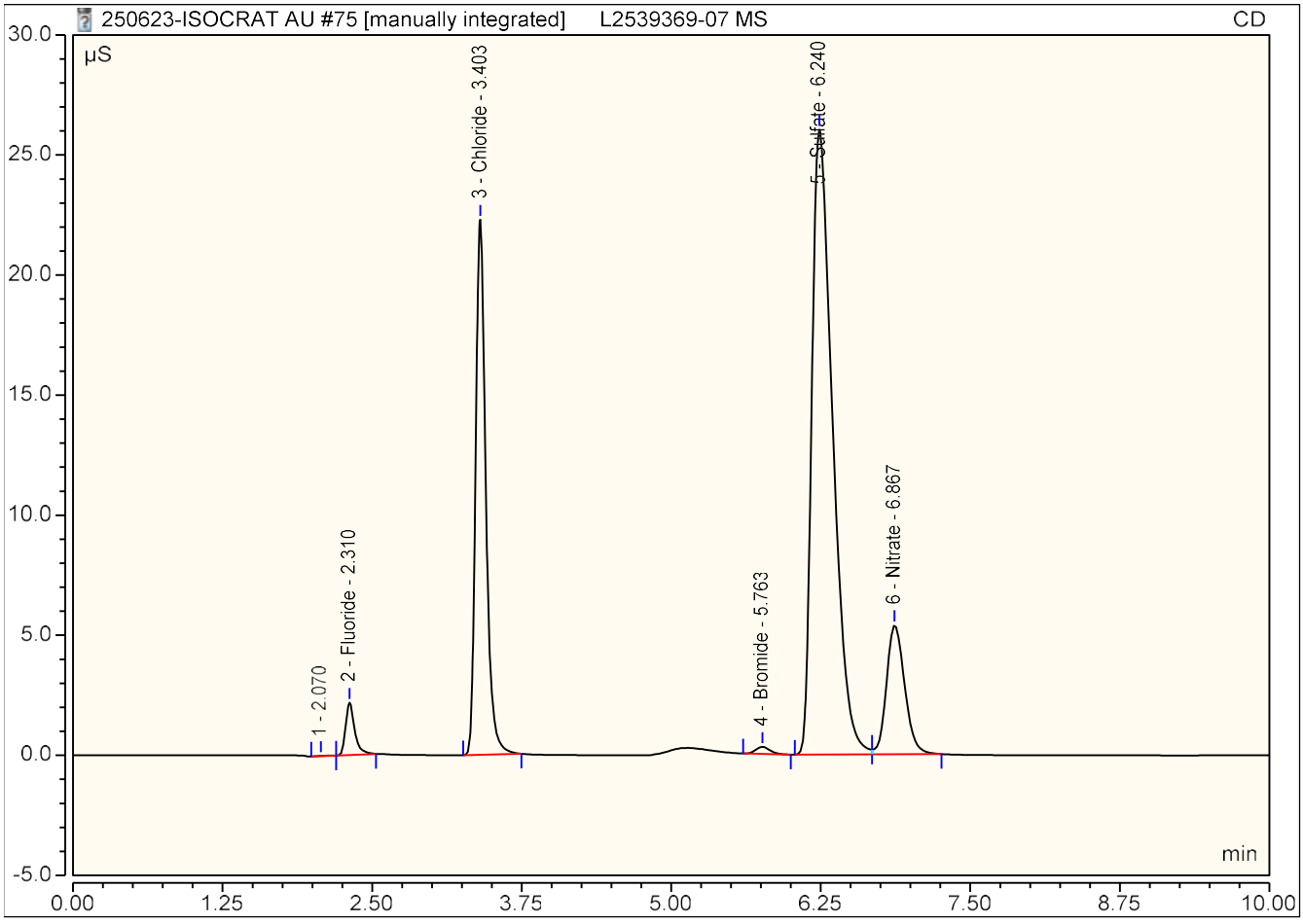
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.037	0.356	0.0944
3	3.40	**Chloride**	BMB	8.319	83.333	21.6380
4	5.75	**Bromide**	BMB	0.007	0.050	0.0860
5	6.20	**Sulfate**	BM *	6.602	31.215	22.4688
6	6.88	**Nitrate**	MB*	0.016	0.092	0.0438
TOTAL:				14.98	115.05	44.33



Peak Integration Report

Sample Name:	**L2539369-07 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 05:10**	*Run Time:*	**10.00**

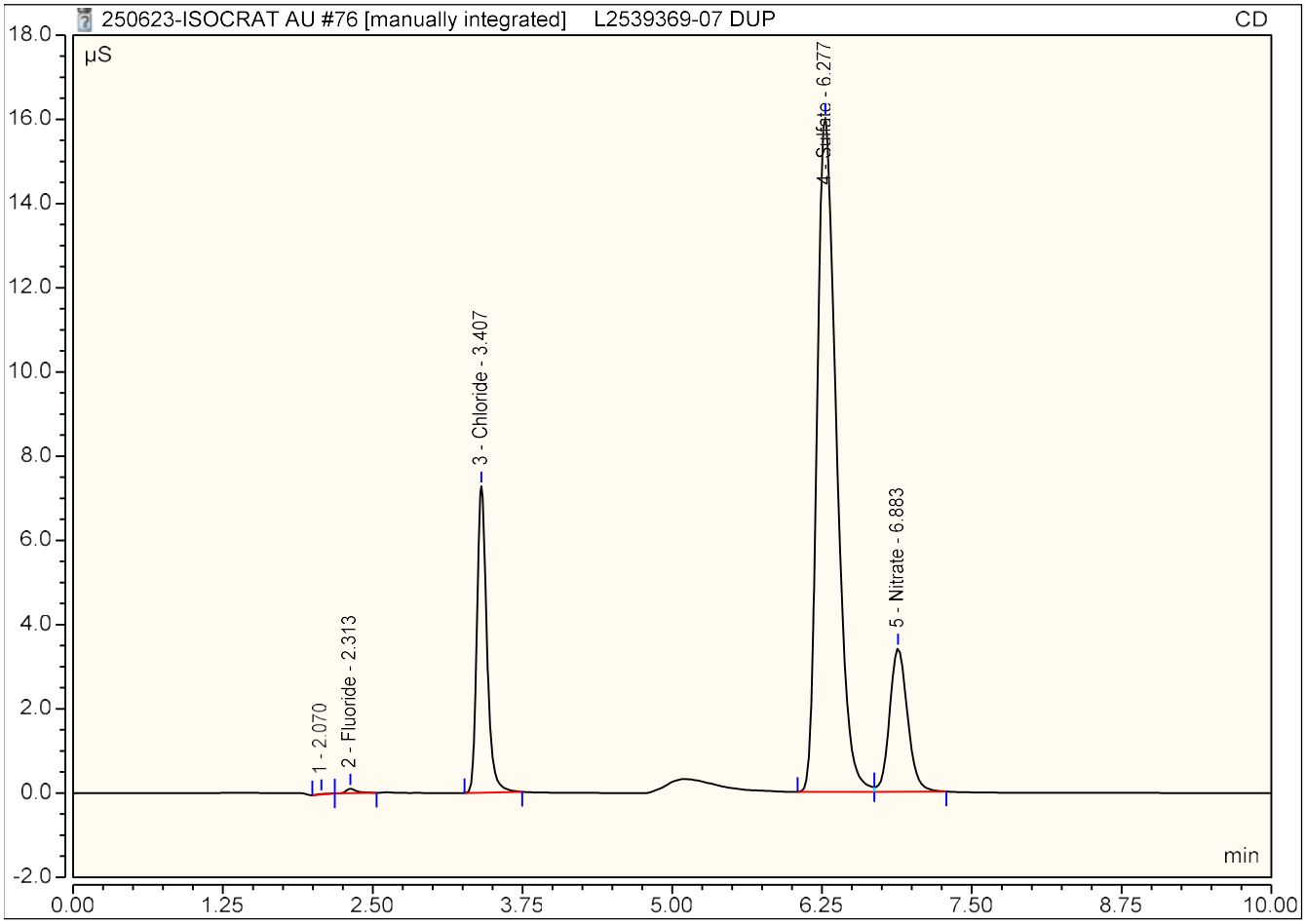
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.189	2.183	0.3689
3	3.40	**Chloride**	BMB	2.198	22.291	5.7881
4	5.76	**Bromide**	BMB	0.041	0.299	0.3407
5	6.24	**Sulfate**	BM *	5.234	26.022	17.9580
6	6.87	**Nitrate**	MB*	0.951	5.383	1.0260
TOTAL:				8.61	56.18	25.48



Peak Integration Report

Sample Name:	**L2539369-07 DUP**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 05:22**	*Run Time:*	**10.00**

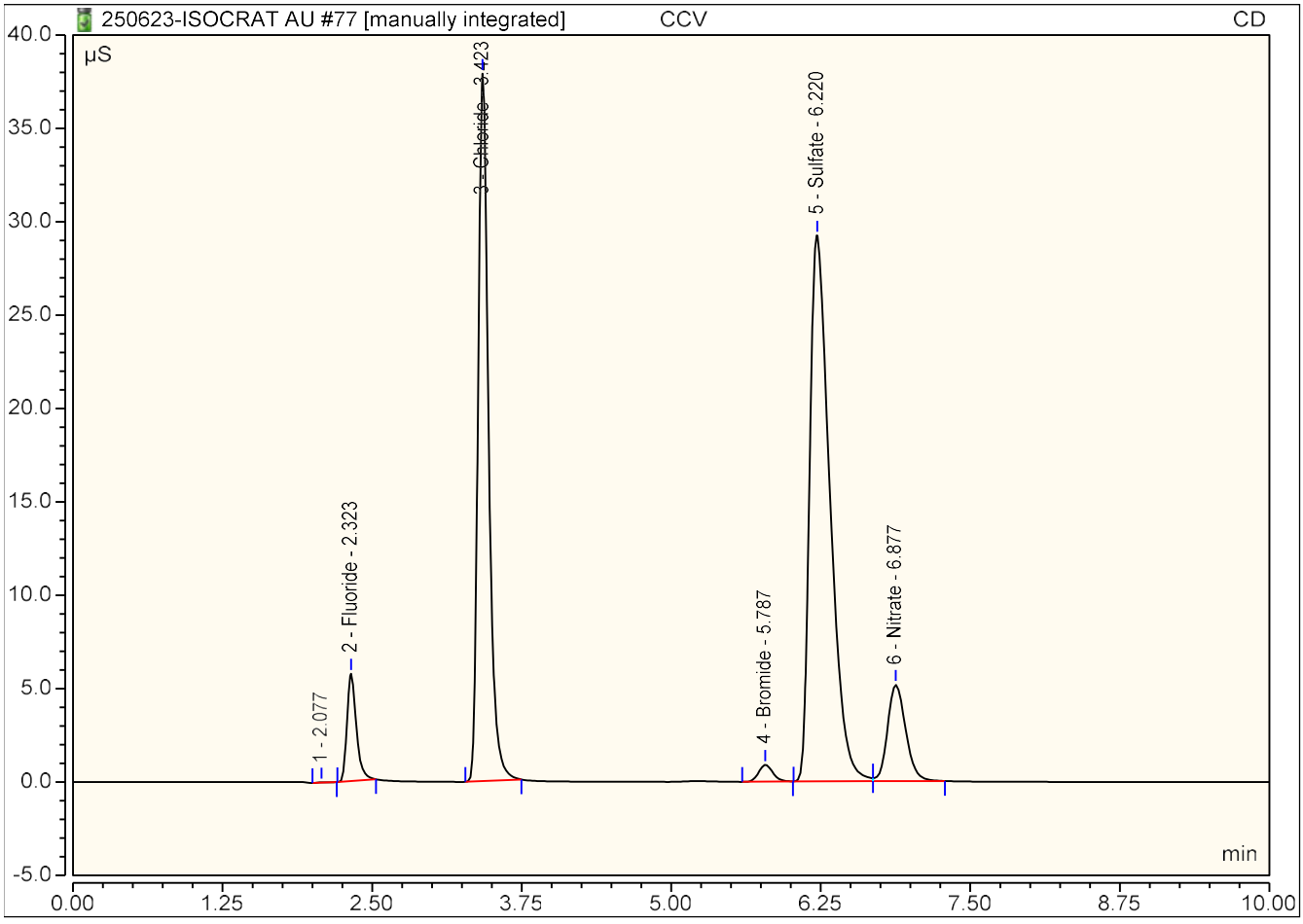
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.011	0.111	0.0472
3	3.41	**Chloride**	BMB	0.701	7.280	1.9105
4	6.28	**Sulfate**	BM *	2.990	16.003	10.5579
5	6.88	**Nitrate**	MB*	0.592	3.402	0.6490
TOTAL:				4.29	26.80	13.16



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 05:34**	*Run Time:*	**10.00**

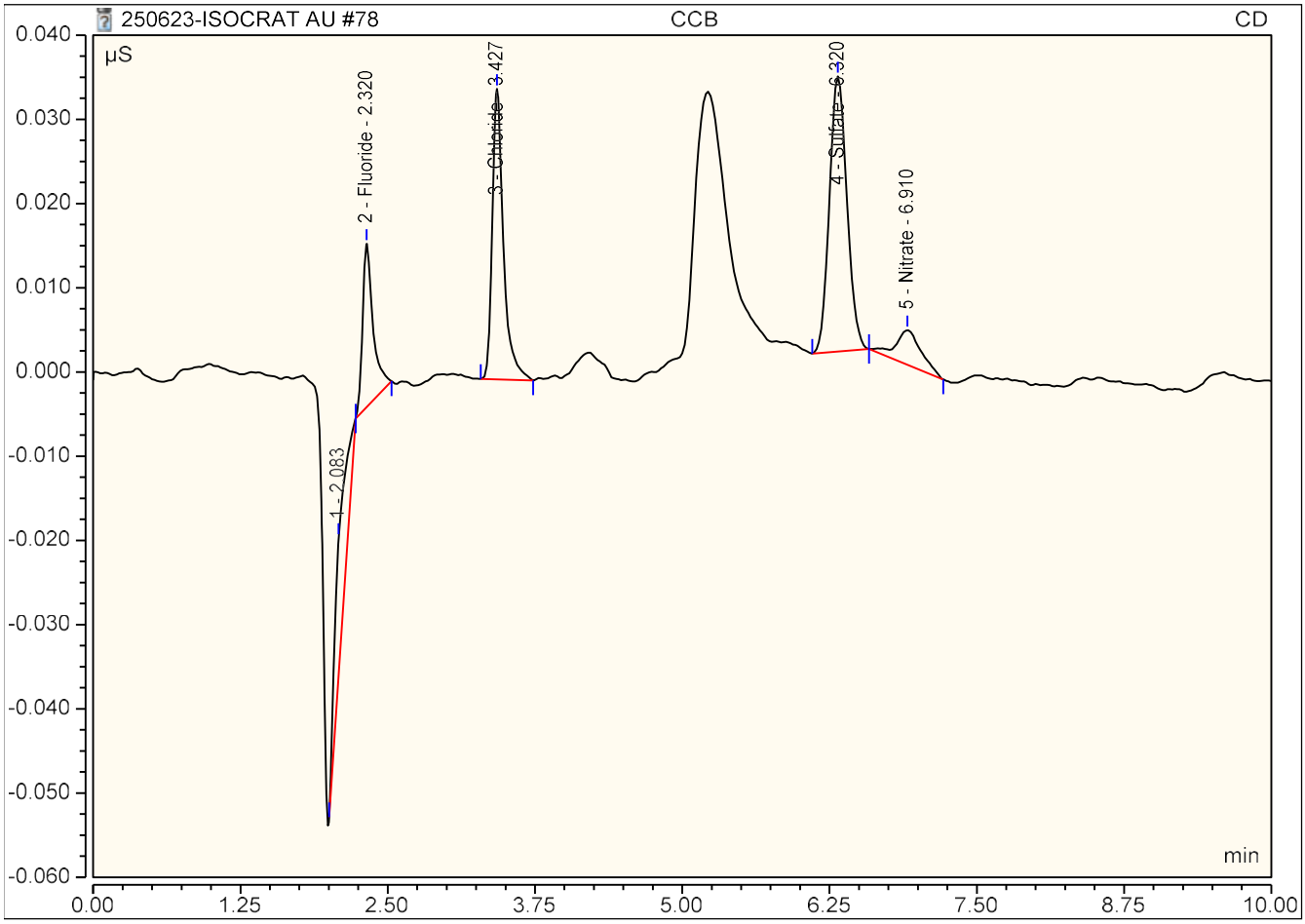
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.519	5.761	0.9625
3	3.42	**Chloride**	BMB	3.850	37.882	10.0662
4	5.79	**Bromide**	BMB	0.124	0.904	0.9559
5	6.22	**Sulfate**	BM *	5.729	29.228	19.5892
6	6.88	**Nitrate**	MB*	0.913	5.166	0.9855
TOTAL:				11.13	78.94	32.56



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**24-Jun-2025 / 05:46**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.002	0.019	0.0309
3	3.43	**Chloride**	BMB	0.004	0.034	0.1051
4	6.32	**Sulfate**	BMB	0.006	0.033	0.7164
5	6.91	**Nitrate**	BMB	0.001	0.004	0.0280
TOTAL:				0.01	0.09	0.88



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0440	0.1000	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0418	0.2829	0.0429	1.0180	0.0511
3	STD 1.0	1.0	0.0555	0.5048	0.0622	1.4554	0.0744
4	STD 2.0	1.0	0.1773	1.9278	0.1949	4.1152	0.1845
5	STD 3.0	1.0	0.4593	4.8782	0.4665	9.9062	0.4524
6	STD 4.0	1.0	2.0605	20.2356	2.0083	38.3461	2.0125
7	STD 5.0	1.0	4.9806	49.9206	5.0460	100.6592	4.8837
8	RINSE	1.0	0.0283	0.1110	0.0275	0.7194	n.a.
9	CCV	1.0	1.0049	9.8986	0.9942	19.3779	0.9747
10	CCB	1.0	0.0289	0.1078	0.0272	0.7175	n.a.
11	ICV	1.0	0.7619	8.0471	0.7765	8.0104	0.7469
12	ICB	1.0	0.0295	0.1066	0.0275	0.7156	n.a.
13	BLK	1.0	0.0282	0.0982	n.a.	0.7129	n.a.
14	LCS	1.0	0.7572	8.0206	0.7743	7.9661	0.7532
15	BLK-2	1.0	0.0294	0.0997	n.a.	0.7155	n.a.
16	LCS-2	1.0	0.7513	7.9839	0.7714	7.9297	0.7549
17	XL2537383-01 SO4 NO3	1.0	3.6640	149.6172	3.4464	33.1318	0.0399
18	XL2537958-03 F SO4	1.0	7.4187	76.1846	0.3759	98.4129	n.a.
19	L2538226-01; 5X	5.0	3.6333	86.8973	0.4574	42.0333	0.1999
20	L2538226-02; 5X	5.0	4.6969	93.3144	0.1569	58.6783	0.1940
21	CCV	1.0	0.9895	9.9313	0.9925	19.4137	0.9674
22	CCB	1.0	0.0284	0.1083	0.0296	0.7140	n.a.
23	L2536153-03; 5X F	5.0	7.7321	0.4860	0.3003	102.9686	n.a.
24	L2536665-01 F	1.0	0.6677	88.4191	0.9859	16.9297	n.a.
25	L2536196-02 CL SO4	1.0	0.0723	112.9375	2.1843	10.8405	0.0554
26	L2537336-02; 25X CL	25.0	0.8481	575.7330	1.2175	133.4858	2.0353
27	L2536169-10; 10X F	10.0	28.4868	78.8021	1.8283	115.7539	n.a.
28	L2536418-01 MS CL SO4 BR	1.0	0.6690	29.4159	0.4012	83.4341	0.2830
29	L2536418-01 MSD	1.0	0.6693	29.3548	0.4091	83.2866	0.2934
30	L2536418-01	1.0	0.3054	26.5721	n.a.	79.7128	0.0486
31	L2536418-02	1.0	0.2682	24.1162	0.0524	60.9116	0.0466
32	L2536418-03	1.0	0.1709	32.8988	n.a.	63.8115	0.0467
33	CCV	1.0	0.9790	10.0108	0.9958	19.8085	0.9594
34	CCB	1.0	0.0461	0.1080	0.0282	0.7088	n.a.
35	L2536418-04	1.0	0.2675	24.0562	0.0469	60.7471	0.0470
36	L2536247-14 BR	1.0	0.1122	17.2514	0.1109	18.6783	0.0706
37	L2536247-15	1.0	0.1057	17.2821	0.0506	14.4328	0.0803
38	L2536247-16	1.0	0.1173	18.2927	0.4458	17.8985	0.0703
39	L2536247-17	1.0	0.1026	18.1260	0.2262	18.4926	0.0687
40	L2536247-18	1.0	0.0861	17.8155	0.1662	16.7197	0.0718
41	L2536247-20	1.0	0.1184	18.3460	0.4462	17.9218	0.0706
42	L2537958-03 MS; 5X F SO4	5.0	9.9817	97.5805	2.3165	140.5880	1.7837
43	L2537958-03 MSD; 5X	5.0	10.0542	97.8146	2.3240	140.8385	1.7840
44	L2537958-03; 5X	5.0	8.0656	79.2773	0.4439	104.8914	0.1953
45	CCV	1.0	0.9616	10.0019	0.9830	19.4525	0.9399

46	CCB	1.0	0.0285	0.1080	0.0277	0.7124	n.a.
47	XL2539378-01 CL SO4 NO3	1.0	1.1775	122.9016	n.a.	n.a.	473.5893
48	XL2539369-01 CL SO4 NO3	1.0	0.0633	5.6878	n.a.	73.5958	0.0430
49	L2539369-02	1.0	0.0699	2.5919	0.2915	76.8418	0.0411
50	L2539369-03	1.0	0.0499	2.8278	0.9066	82.3366	0.0471
51	L2539369-04	1.0	0.0893	21.5657	0.0460	22.4496	0.0911
52	L2539369-05	1.0	0.0441	3.1646	0.3450	11.4686	n.a.
53	L2539369-06	1.0	0.0454	1.8956	0.6683	10.4260	n.a.
54	L2539369-07	1.0	0.0440	1.9136	0.6433	10.3295	n.a.
55	L2539369-08	1.0	0.0450	3.0204	0.3098	12.5221	n.a.
56	XL2539369-08; 10X	10.0	0.2819	3.5947	0.5238	17.8445	n.a.
57	CCV	1.0	0.9325	9.9465	0.9857	19.4125	0.9488
58	CCB	1.0	0.0314	0.1034	0.0275	0.7201	n.a.
59	L2539369-09	1.0	0.0531	7.5261	n.a.	31.9746	0.0449
60	L2539369-10	1.0	0.0553	7.4532	n.a.	26.1112	0.0462
61	L2539369-11	1.0	0.0658	13.0022	n.a.	36.4234	n.a.
62	L2539369-12	1.0	0.0463	7.8768	0.0372	21.0873	n.a.
63	L2539369-13	1.0	0.0677	12.8809	n.a.	36.1514	n.a.
64	L2539369-14	1.0	0.0531	0.3078	0.0320	12.0470	n.a.
65	L2539369-15	1.0	0.0547	2.8857	0.0373	17.5512	0.0433
66	L2539369-16	1.0	0.0547	7.2266	n.a.	31.0435	0.0441
67	XL2539369-16; 10X	10.0	0.3077	9.2212	n.a.	37.9245	n.a.
68	L2539196-02; 10X CL	10.0	0.3104	124.6157	2.1503	16.4061	n.a.
69	CCV	1.0	0.9521	9.9963	0.9872	19.5562	0.9522
70	CCB	1.0	0.0301	0.1042	0.0274	0.7142	n.a.
71	L2539378-01; 50X	50.0	2.1593	125.2431	200.7439	2033.6510	2.2932
72	L2539369-01 CL SO4 NO3	1.0	0.0636	5.7373	n.a.	73.6359	0.0429
73	L2539369-04 MS	1.0	0.4314	24.7326	0.3911	29.4698	0.3937
74	L2539369-04 DUP	1.0	0.0944	21.6380	0.0438	22.4688	0.0860
75	L2539369-07 MS	1.0	0.3689	5.7881	1.0260	17.9580	0.3407
76	L2539369-07 DUP	1.0	0.0472	1.9105	0.6490	10.5579	n.a.
77	CCV	1.0	0.9625	10.0662	0.9855	19.5892	0.9559
78	CCB	1.0	0.0309	0.1051	0.0280	0.7164	n.a.
	Sum:	211.000	111.6691		244.5555	4630.7595	501.2437
	Average:	2.705	1.4317		3.8212	60.9310	10.0249
	Rel.Std.Dev:	237.198 %	2.6730		6.5483	3.8115	6.6735

Inject Time	Comment
21/May/2025 19:51	AU
21/May/2025 20:04	LOT#250516-0.5
21/May/2025 20:16	LOT#250516-1.0
21/May/2025 20:28	LOT#250516-2.0
21/May/2025 20:40	LOT#250516-3.0
21/May/2025 20:52	LOT#250516-4.0
21/May/2025 21:04	LOT#250516-5.0
23/Jun/2025 15:40	G2081861-2555-50--44
23/Jun/2025 15:52	LOT#250620-C
23/Jun/2025 16:04	AU
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24/Jun/2025 05:34	LOT#250620-C
24/Jun/2025 05:46	AU
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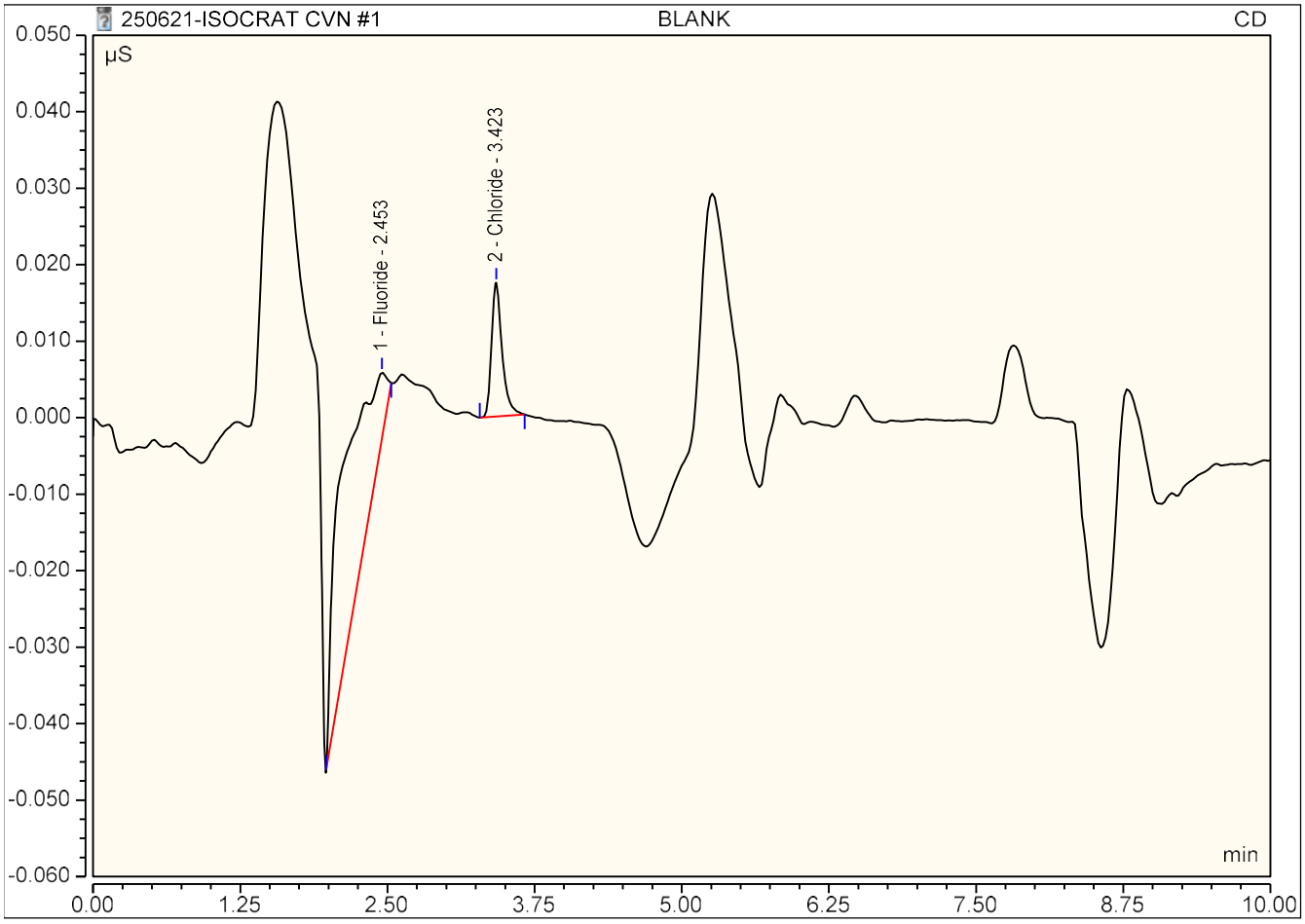
	#DIV/0!

Peak Integration Report

Sample Name:	**BLANK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 19:51**	*Run Time:*	**10.00**

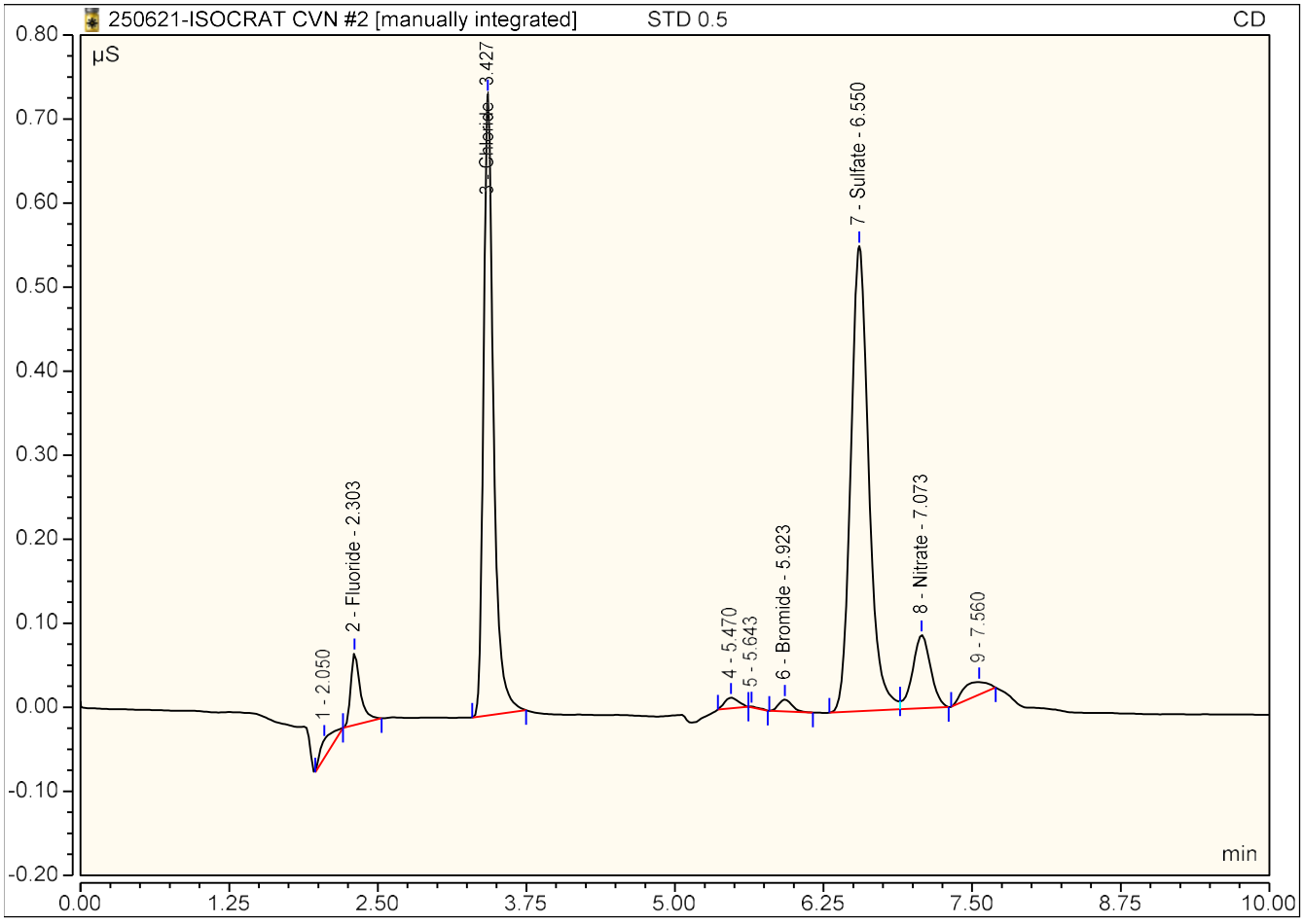
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.45	**Fluoride**	BMB	0.009	0.009	0.0440
2	3.42	**Chloride**	BMB	0.002	0.017	0.1000
TOTAL:				0.01	0.03	0.14



Peak Integration Report

Sample Name:	**STD 0.5**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:04**	*Run Time:*	**10.00**

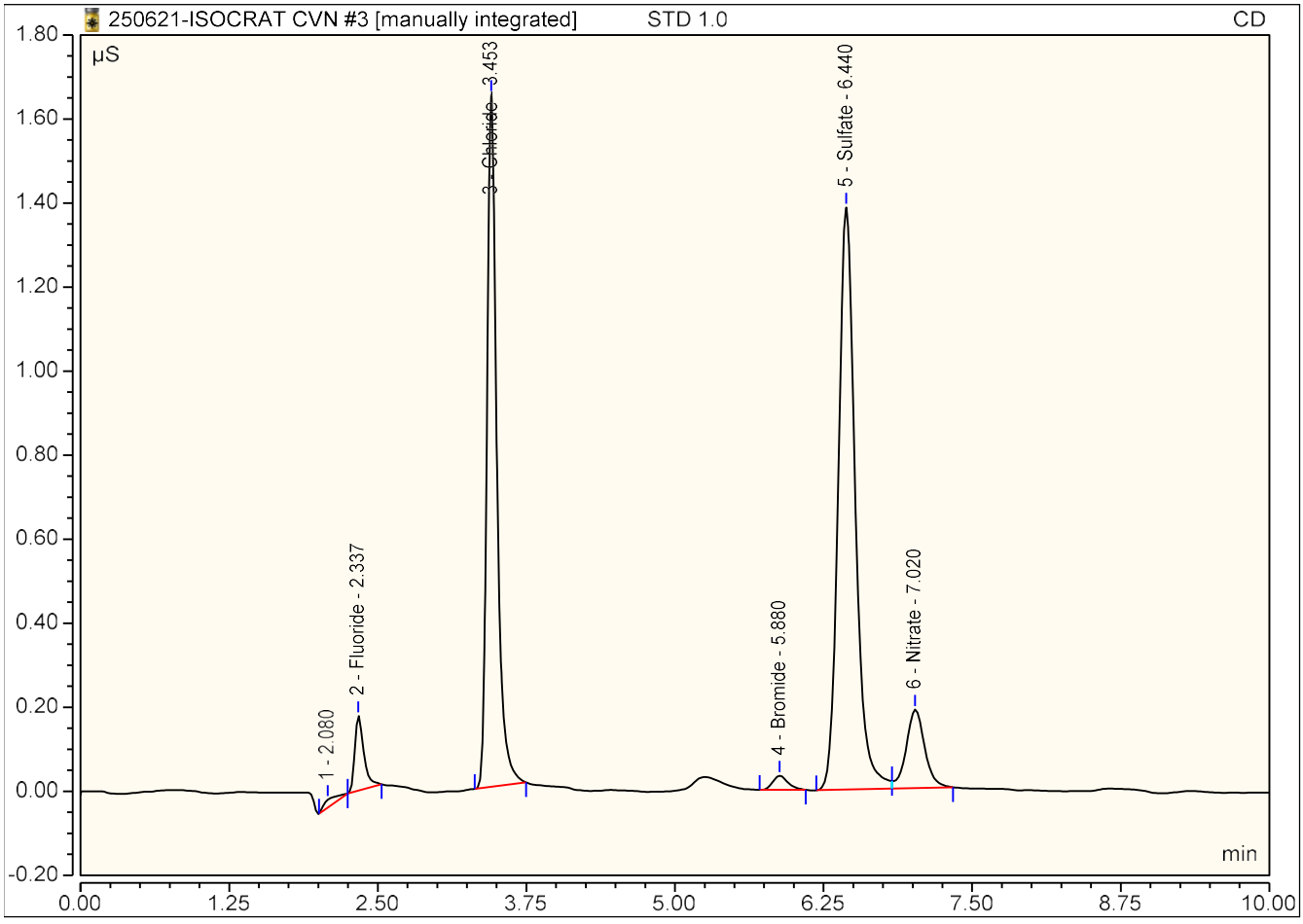
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.008	0.086	0.0418
3	3.43	**Chloride**	BMB	0.072	0.739	0.2829
6	5.92	**Bromide**	BMB	0.002	0.014	0.0511
7	6.55	**Sulfate**	BM *	0.097	0.553	1.0180
8	7.07	**Nitrate**	MB*	0.015	0.087	0.0429
TOTAL:				0.19	1.48	1.44



Peak Integration Report

Sample Name:	**STD 1.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:16**	*Run Time:*	**10.00**

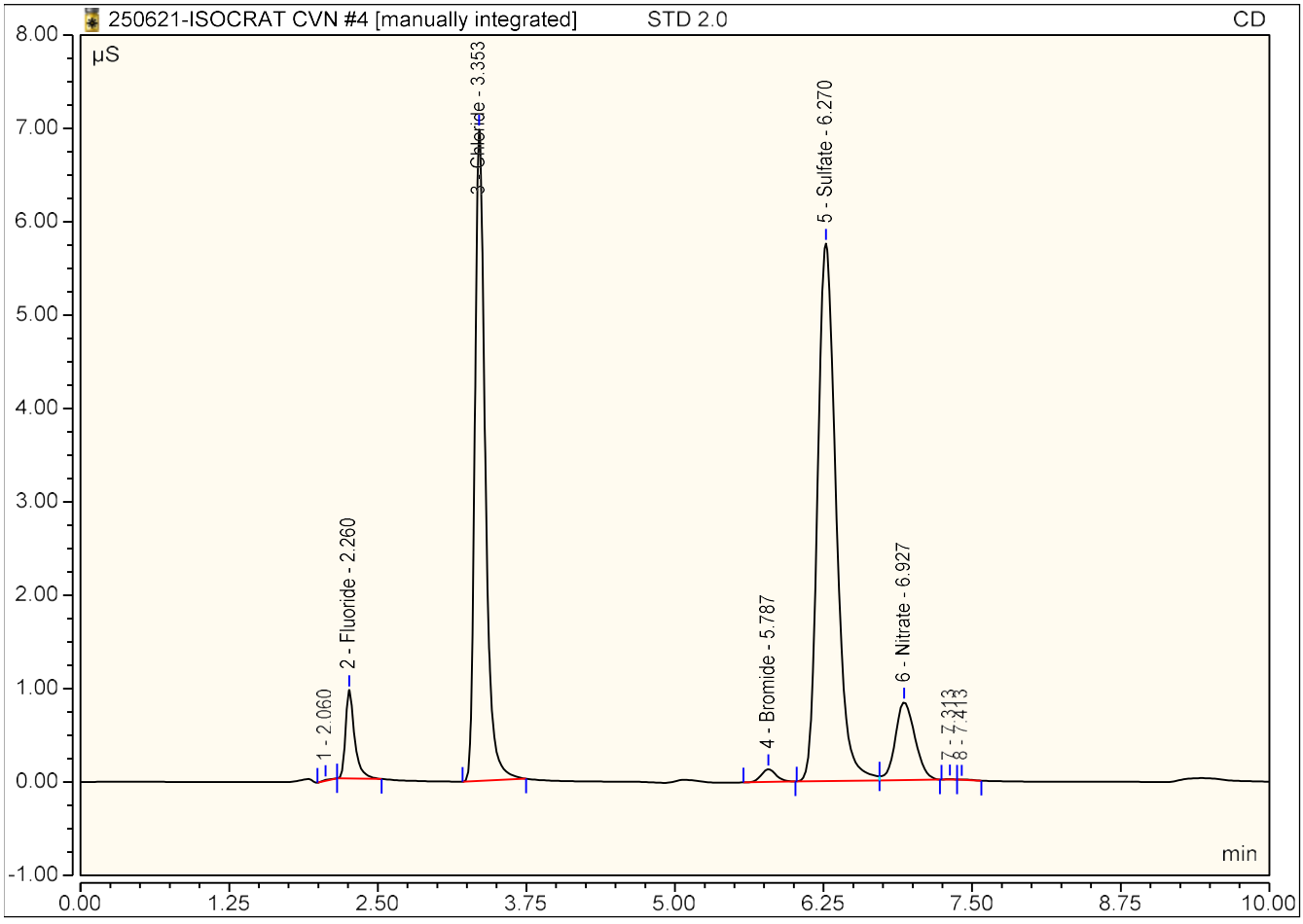
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.016	0.178	0.0555
3	3.45	**Chloride**	BMB	0.158	1.647	0.5048
4	5.88	**Bromide**	BMB	0.005	0.034	0.0744
5	6.44	**Sulfate**	BM *	0.230	1.385	1.4554
6	7.02	**Nitrate**	MB*	0.034	0.187	0.0622
TOTAL:				0.44	3.43	2.15



Peak Integration Report

Sample Name:	**STD 2.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:28**	*Run Time:*	**10.00**

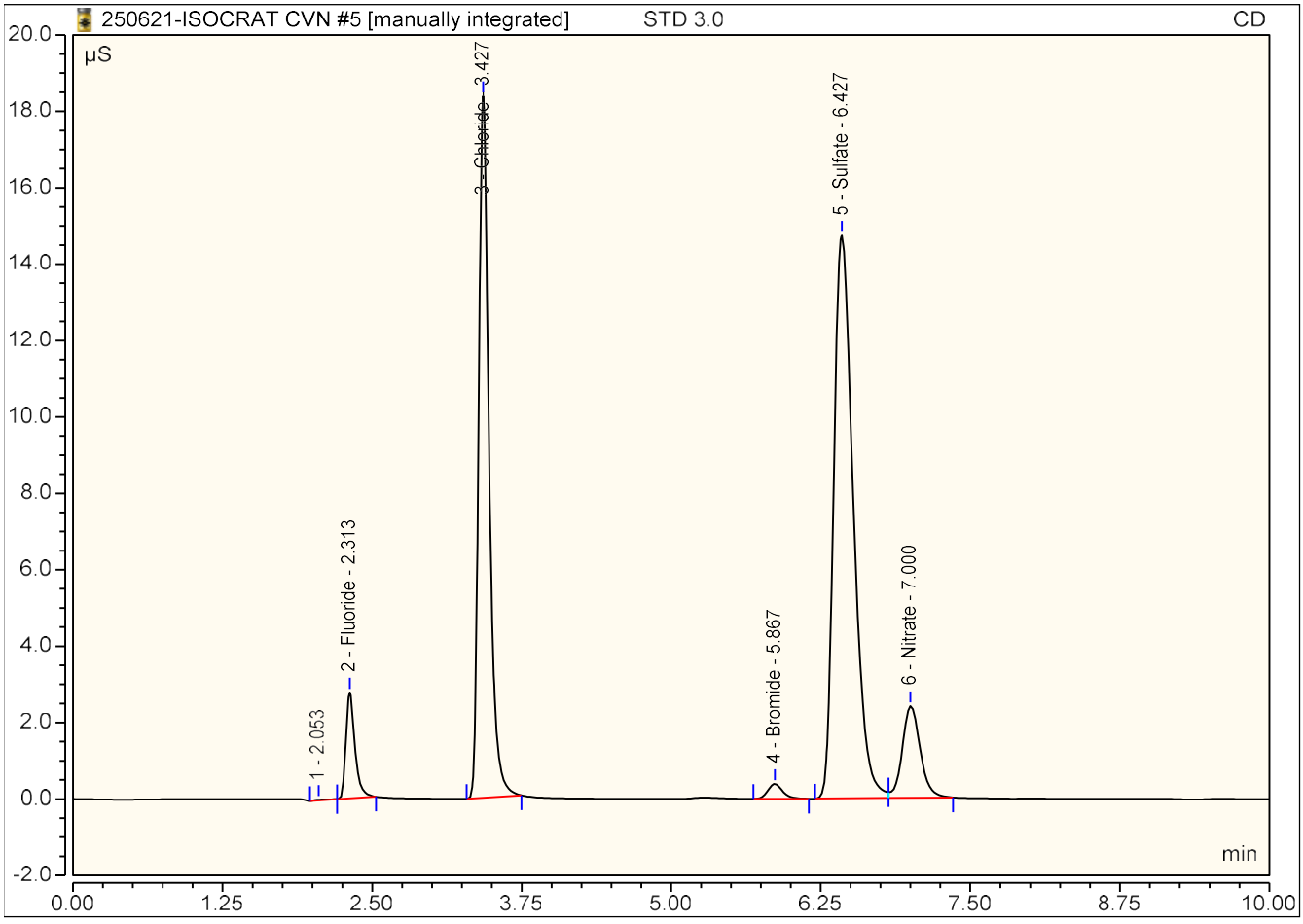
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.26	**Fluoride**	BMB	0.083	0.947	0.1773
3	3.35	**Chloride**	BMB	0.708	6.976	1.9278
4	5.79	**Bromide**	BMB	0.020	0.138	0.1845
5	6.27	**Sulfate**	BM *	1.036	5.755	4.1152
6	6.93	**Nitrate**	MB*	0.160	0.832	0.1949
TOTAL:				2.01	14.65	6.60



Peak Integration Report

Sample Name:	**STD 3.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:40**	*Run Time:*	**10.00**

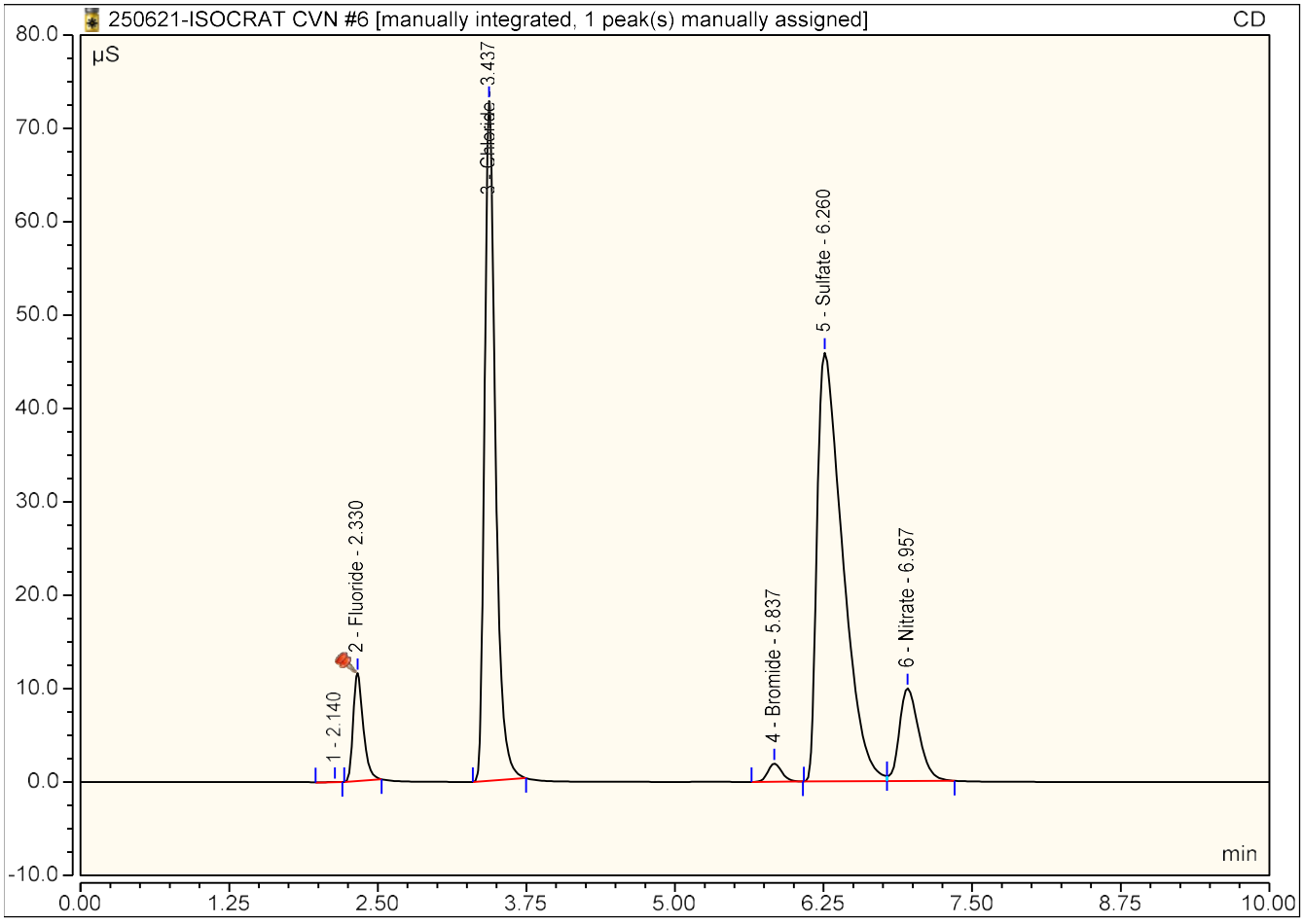
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.240	2.772	0.4593
3	3.43	**Chloride**	BMB	1.847	18.371	4.8782
4	5.87	**Bromide**	BMB	0.056	0.390	0.4524
5	6.43	**Sulfate**	BM *	2.792	14.733	9.9062
6	7.00	**Nitrate**	MB*	0.419	2.404	0.4665
TOTAL:				5.35	38.67	16.16



Peak Integration Report

Sample Name:	**STD 4.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 20:52**	*Run Time:*	**10.00**

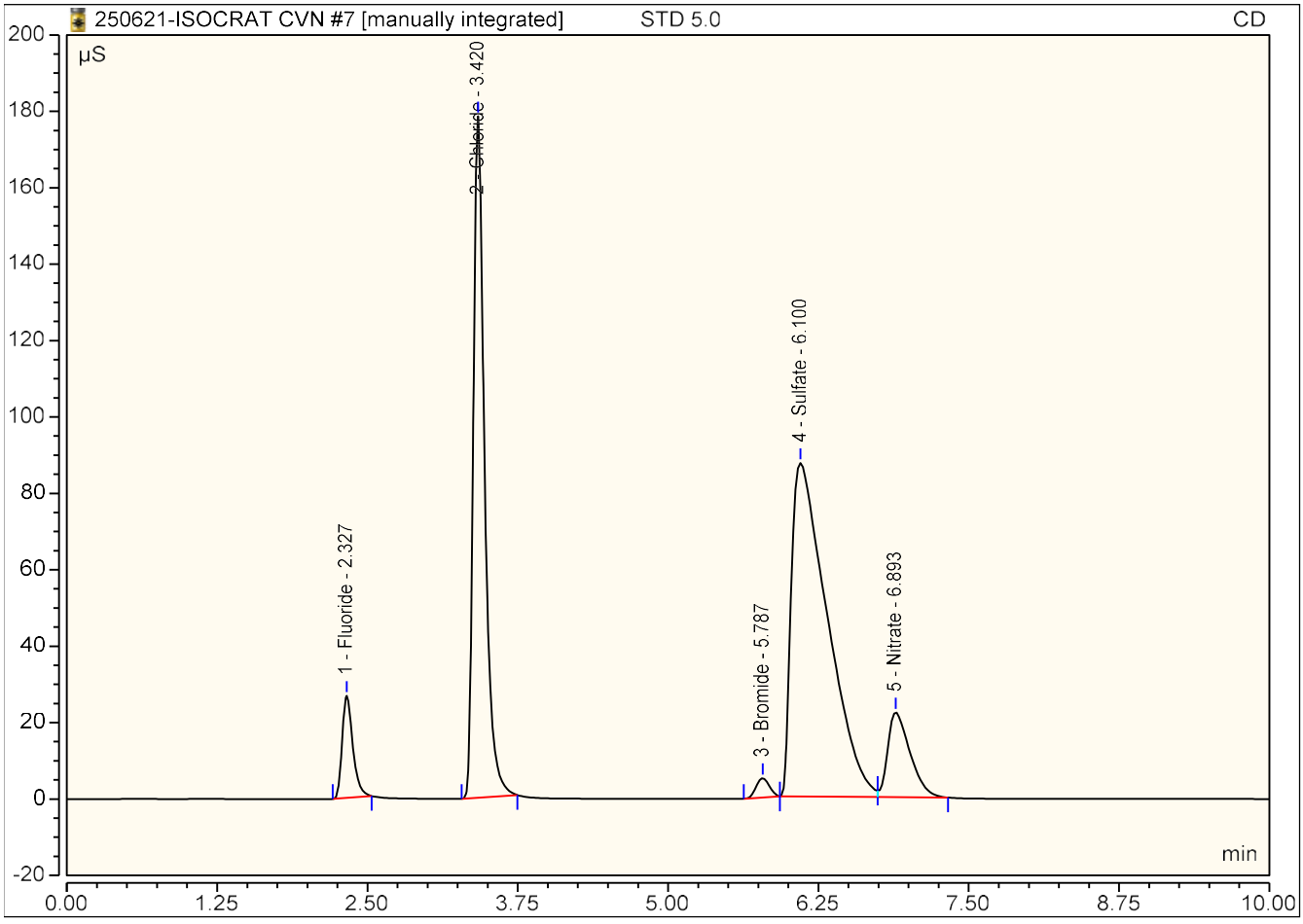
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB^	1.128	11.556	2.0605
3	3.44	**Chloride**	BMB	7.777	72.796	20.2356
4	5.84	**Bromide**	BMB	0.266	1.950	2.0125
5	6.26	**Sulfate**	BM *	11.417	45.897	38.3461
6	6.96	**Nitrate**	MB*	1.886	9.931	2.0083
TOTAL:				22.47	142.13	64.66



Peak Integration Report

Sample Name:	**STD 5.0**	*Inj. Vol.:*	**25.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 21:04**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.33	**Fluoride**	BMB	2.748	26.716	4.9806
2	3.42	**Chloride**	BMB	19.240	178.379	49.9206
3	5.79	**Bromide**	BMb*	0.653	5.098	4.8837
4	6.10	**Sulfate**	bM *	30.313	87.355	100.6592
5	6.89	**Nitrate**	MB*	4.778	22.200	5.0460
TOTAL:				57.73	319.75	165.49



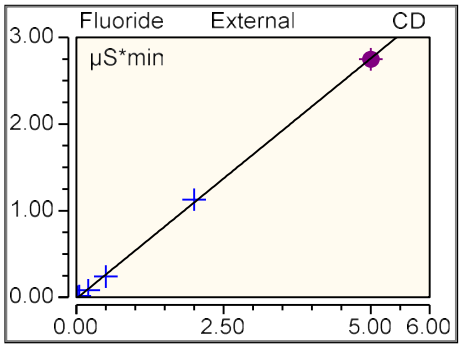
Calibration Batch Report

Sequence:	**250621-ISOCRAT CVN**	*Injection Volume:*	**25.00**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-May-2025 / 21:04**	*Run Time:*	**10**

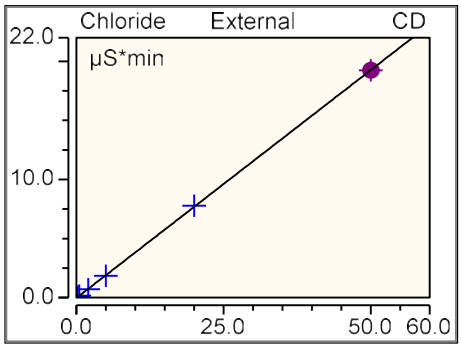
Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffse	6.000	-0.015	0.555	0.000	99.9661
Chloride	Area	in, WithOffse	6.000	-0.037	0.386	0.000	99.9957
Bromide	Area	in, WithOffse	5.000	-0.005	0.135	0.000	99.8572
Sulfate	Area	in, WithOffse	6.000	-0.212	0.303	0.000	99.9523
Nitrate	Area	in, WithOffse	5.000	-0.026	0.952	0.000	99.9388
		AVERAGE:		-0.0588	0.4662	0.0000	99.9420

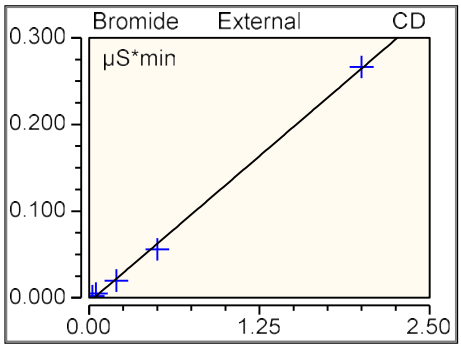
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Fluoride	Fluoride	Fluoride	Fluoride
STD 0.5	2.303	0.0080	0.086	0.042
STD 1.0	2.337	0.0156	0.178	0.055
STD 2.0	2.260	0.0832	0.947	0.177
STD 3.0	2.313	0.2396	2.772	0.459
STD 4.0	2.330	1.1278	11.556	2.061
STD 5.0	2.327	2.7476	26.716	4.981
Average	2.312			
Rel. Std. Dev.	1.212 %			



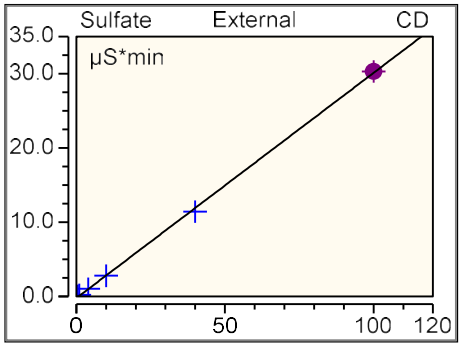
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Chloride	Chloride	Chloride	Chloride
STD 0.5	3.427	0.0724	0.739	0.283
STD 1.0	3.453	0.1581	1.647	0.505
STD 2.0	3.353	0.7076	6.976	1.928
STD 3.0	3.427	1.8469	18.371	4.878
STD 4.0	3.437	7.7770	72.796	20.236
STD 5.0	3.420	19.2396	178.379	49.921
Average	3.419			
Rel. Std. Dev.	1.006 %			



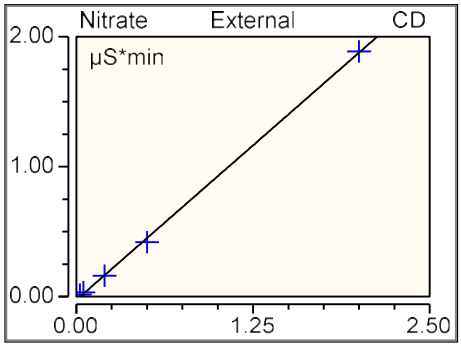
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Bromide	Bromide	Bromide	Bromide
STD 0.5	5.923	0.0019	0.014	0.051
STD 1.0	5.880	0.0050	0.034	0.074
STD 2.0	5.787	0.0199	0.138	0.185
STD 3.0	5.867	0.0560	0.390	0.452
STD 4.0	5.837	0.2663	1.950	2.013
STD 5.0	5.787	0.6535	5.098	4.884
Average	5.847			
Rel. Std. Dev.	0.927 %			



Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Sulfate	Sulfate	Sulfate	Sulfate
STD 0.5	6.550	0.0971	0.553	1.018
STD 1.0	6.440	0.2297	1.385	1.455
STD 2.0	6.270	1.0363	5.755	4.115
STD 3.0	6.427	2.7924	14.733	9.906
STD 4.0	6.260	11.4169	45.897	38.346
STD 5.0	6.100	30.3133	87.355	100.659
Average	6.341			
Rel. Std. Dev.	2.548 %			



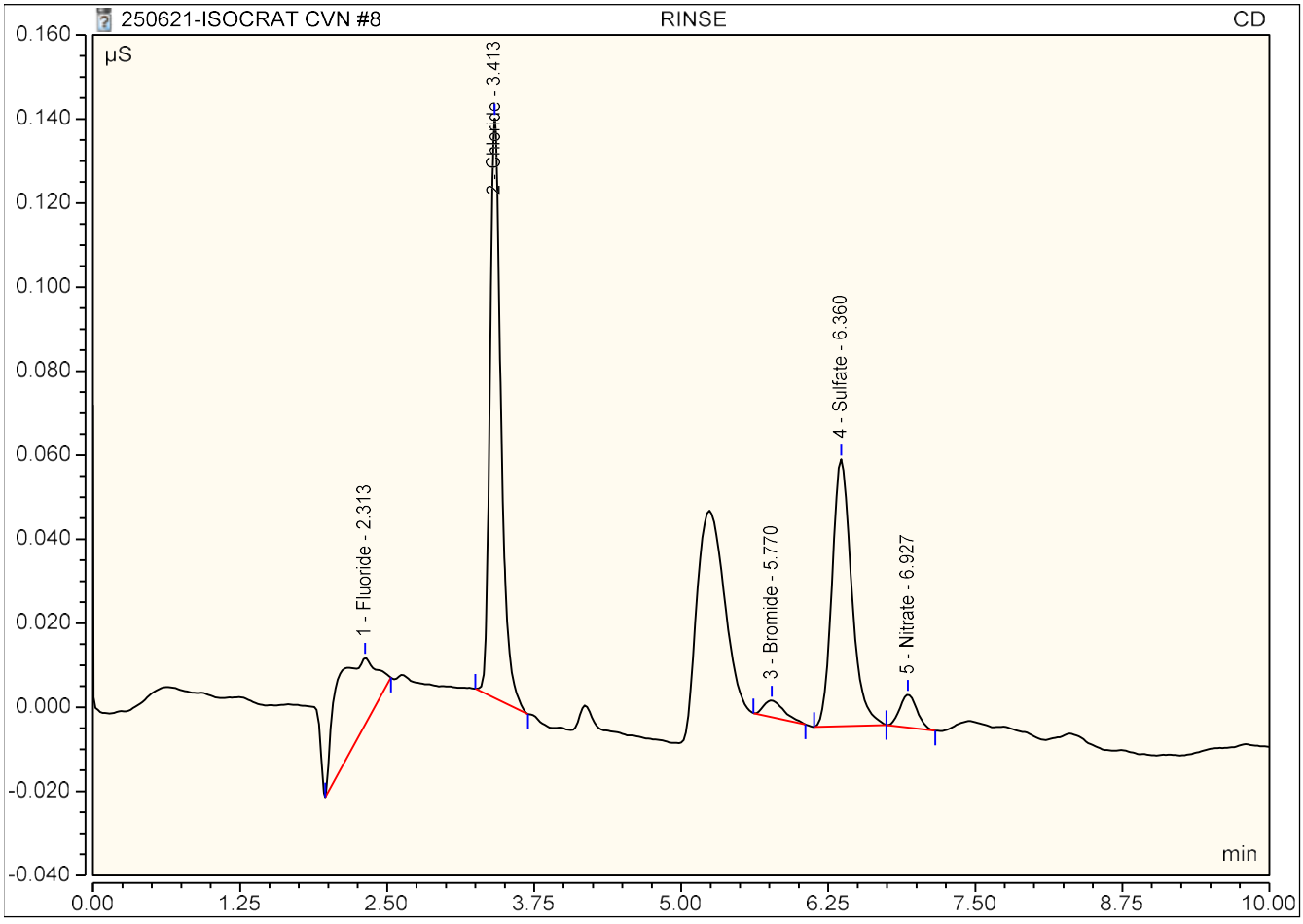
Injection Name	Ret.Time min CD	Area µS*min CD	Height µS CD	Amount CD
	Nitrate	Nitrate	Nitrate	Nitrate
STD 0.5	7.073	0.0153	0.087	0.043
STD 1.0	7.020	0.0337	0.187	0.062
STD 2.0	6.927	0.1600	0.832	0.195
STD 3.0	7.000	0.4186	2.404	0.467
STD 4.0	6.957	1.8863	9.931	2.008
STD 5.0	6.893	4.7780	22.200	5.046
Average	6.978			
Rel. Std. Dev.	0.942 %			



Peak Integration Report

Sample Name:	**RINSE**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 09:55**	*Run Time:*	**10.00**

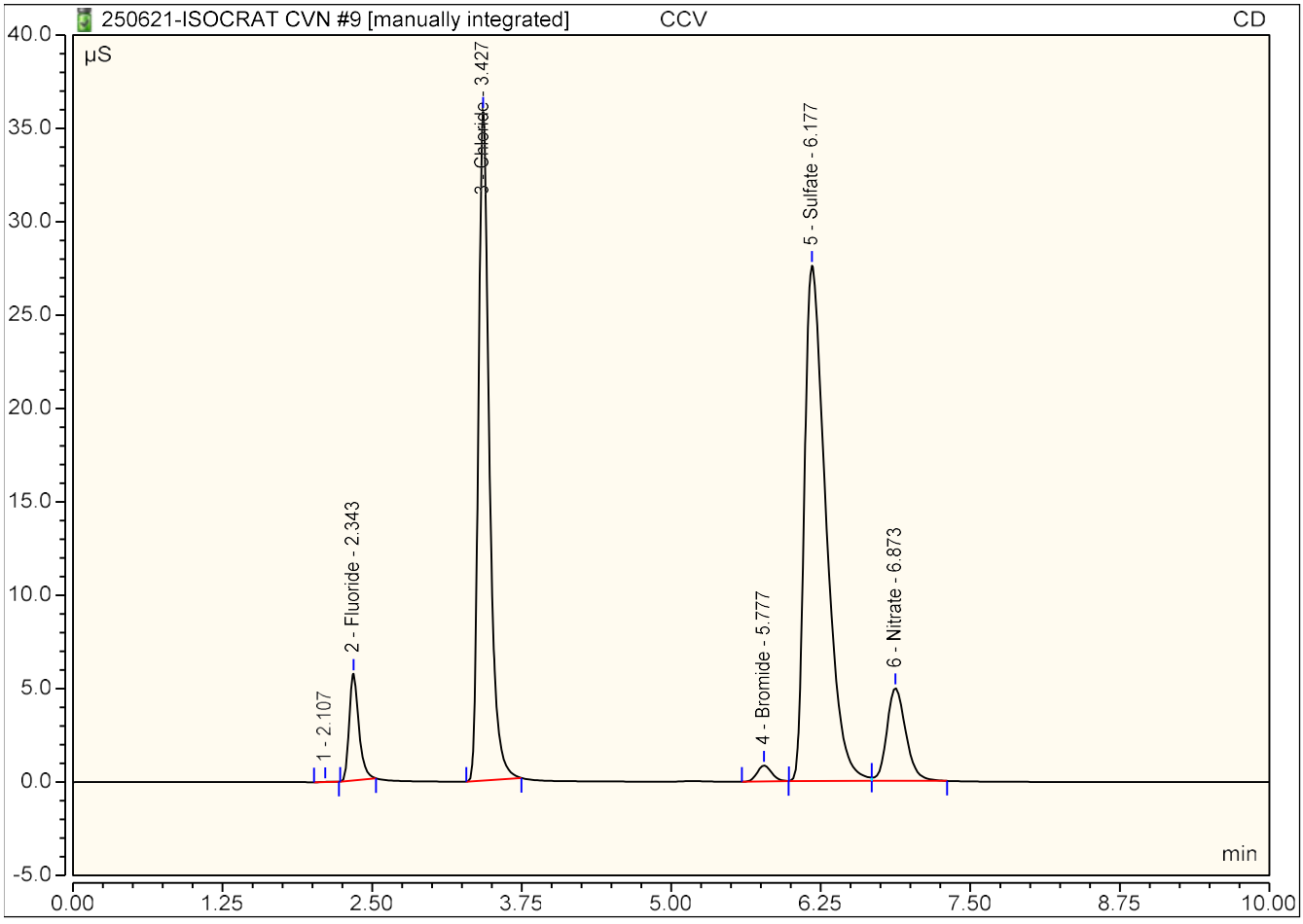
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.008	0.016	0.0410
2	3.41	**Chloride**	BMB	0.015	0.138	0.1345
3	5.77	**Bromide**	BMB	0.001	0.004	0.0433
4	6.36	**Sulfate**	BMB	0.012	0.064	0.7382
5	6.93	**Nitrate**	BMB	0.001	0.008	0.0282
TOTAL:				0.04	0.23	0.99



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:07**	*Run Time:*	**10.00**

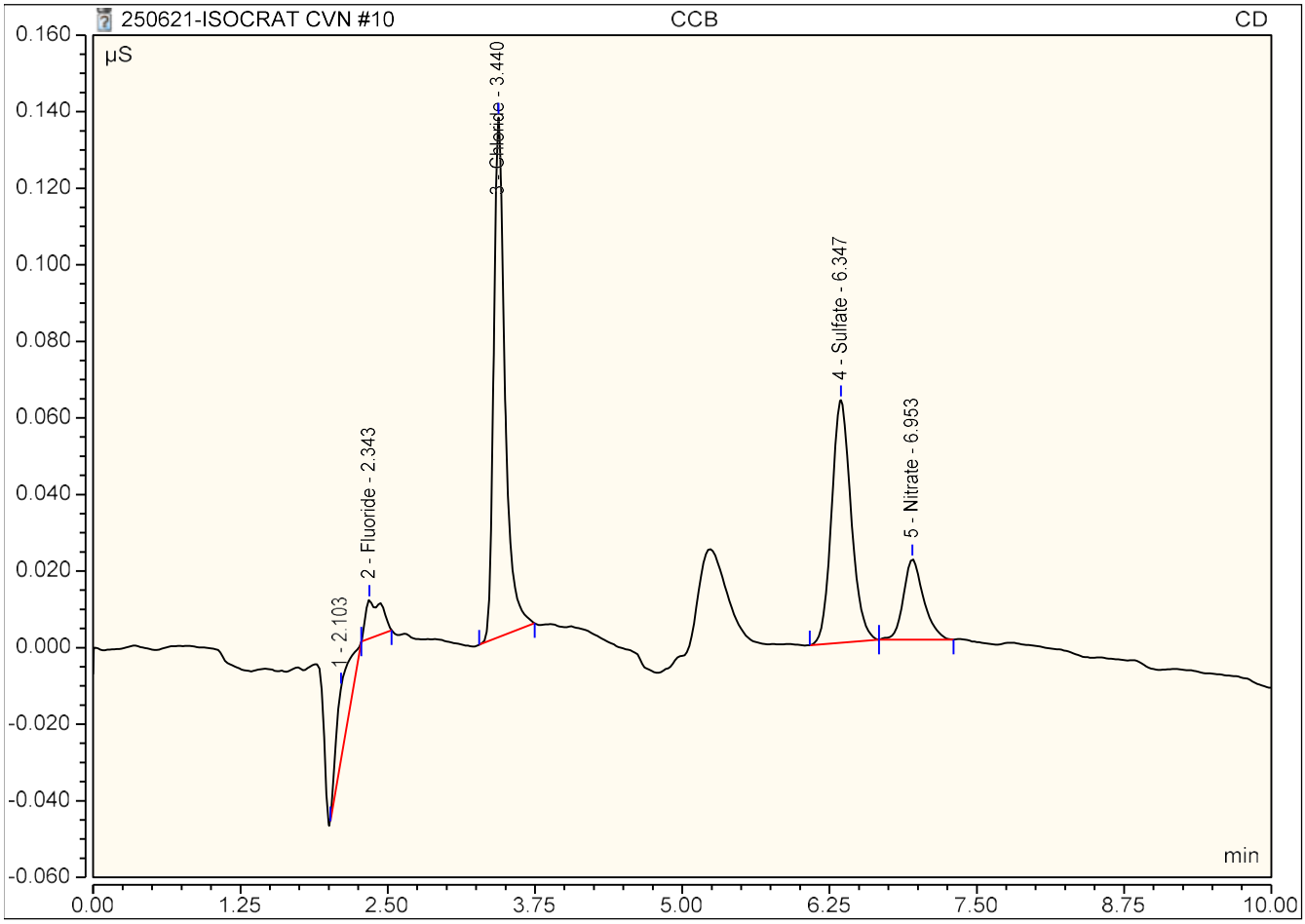
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.533	5.709	0.9889
3	3.43	**Chloride**	BMB	3.799	35.809	9.9349
4	5.78	**Bromide**	BMB	0.119	0.854	0.9210
5	6.18	**Sulfate**	BM *	5.724	27.585	19.5719
6	6.87	**Nitrate**	MB*	0.914	4.976	0.9870
TOTAL:				11.09	74.93	32.40



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:19**	*Run Time:*	**10.00**

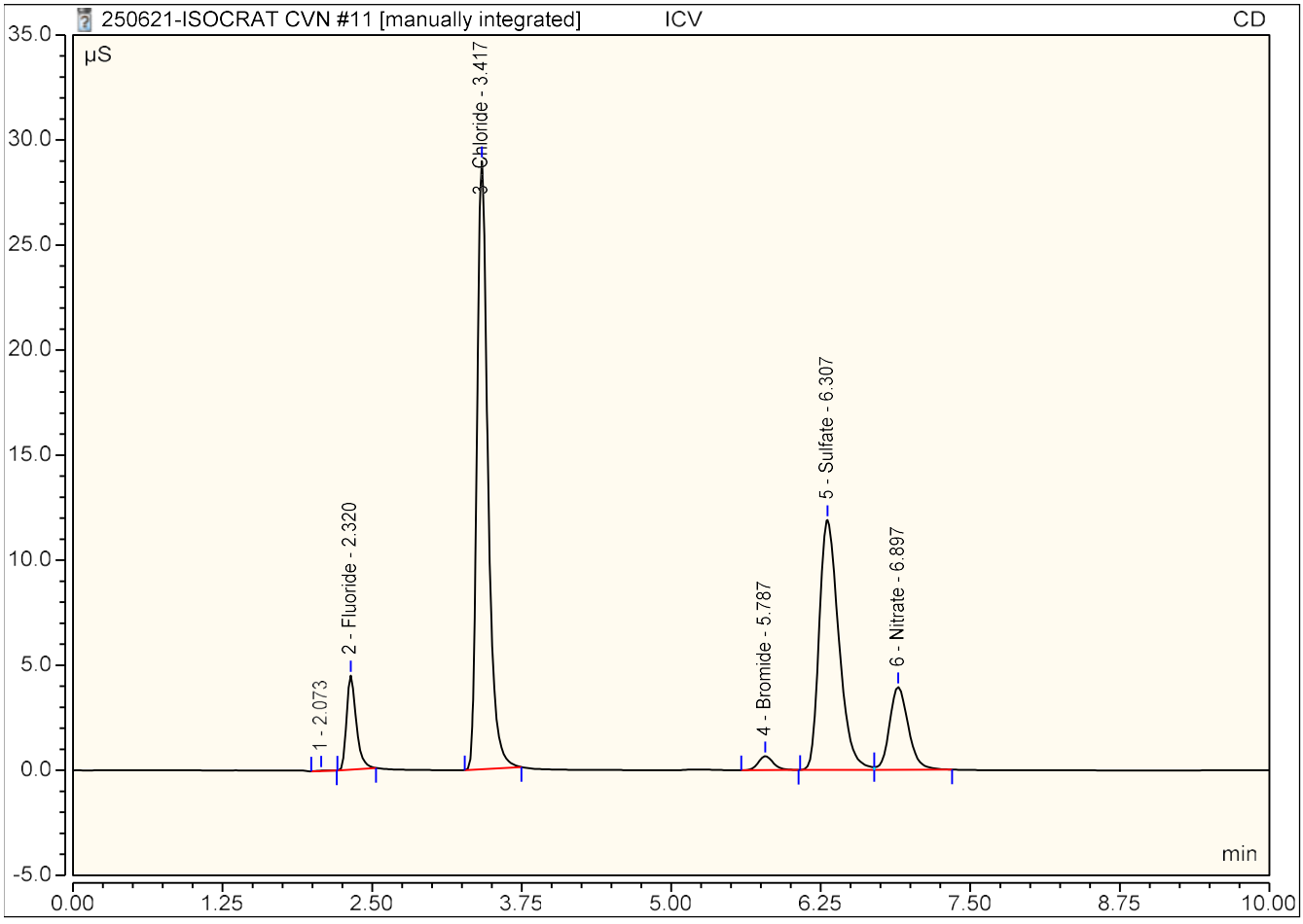
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.002	0.010	0.0301
3	3.44	**Chloride**	BMB	0.015	0.136	0.1345
4	6.35	**Sulfate**	BMB	0.012	0.063	0.7379
5	6.95	**Nitrate**	BMB	0.004	0.021	0.0312
TOTAL:				0.03	0.23	0.93



Peak Integration Report

Sample Name:	**ICV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:31**	*Run Time:*	**10.00**

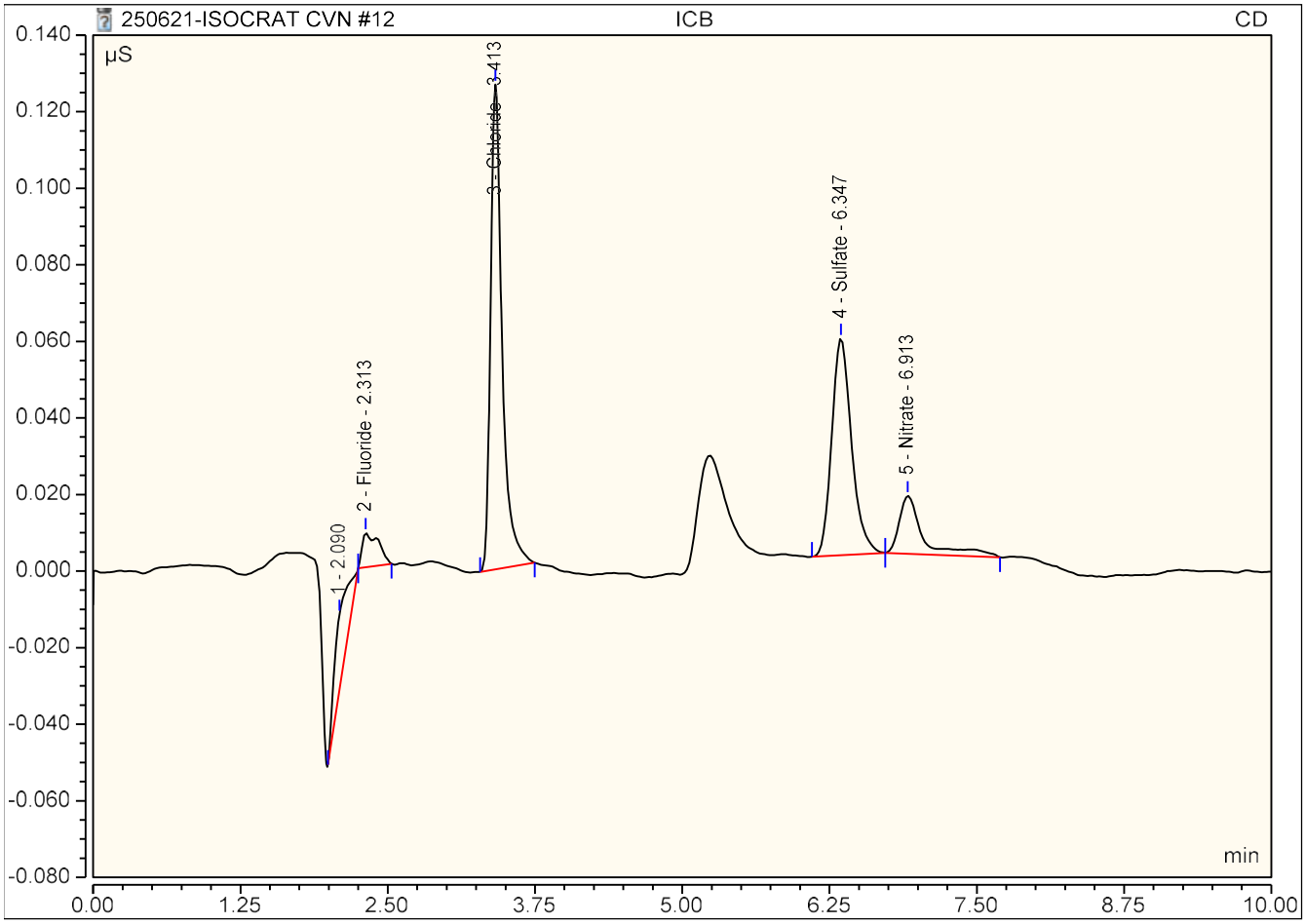
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.417	4.480	0.7783
3	3.42	**Chloride**	BMB	3.082	28.941	8.0780
4	5.79	**Bromide**	BMB	0.097	0.669	0.7594
5	6.31	**Sulfate**	BM *	2.257	11.893	8.1405
6	6.90	**Nitrate**	MB*	0.718	3.937	0.7808
TOTAL:				6.57	49.92	18.54



Peak Integration Report

Sample Name:	**ICB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:43**	*Run Time:*	**10.00**

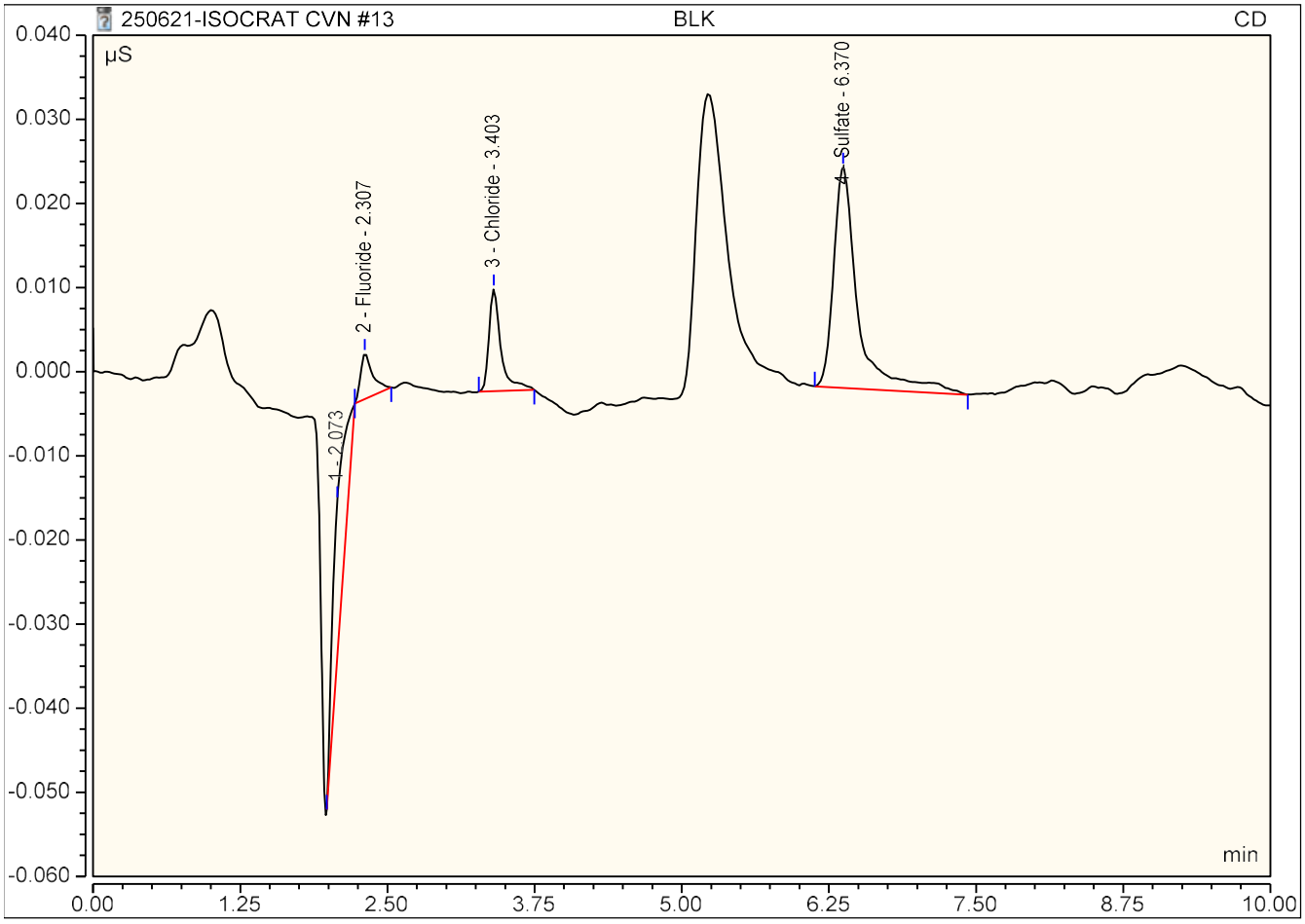
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.009	0.0299
3	3.41	**Chloride**	BMB	0.014	0.127	0.1323
4	6.35	**Sulfate**	BMB	0.011	0.057	0.7341
5	6.91	**Nitrate**	BMB	0.004	0.015	0.0306
TOTAL:				0.03	0.21	0.93



Peak Integration Report

Sample Name:	**BLK**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 10:55**	*Run Time:*	**10.00**

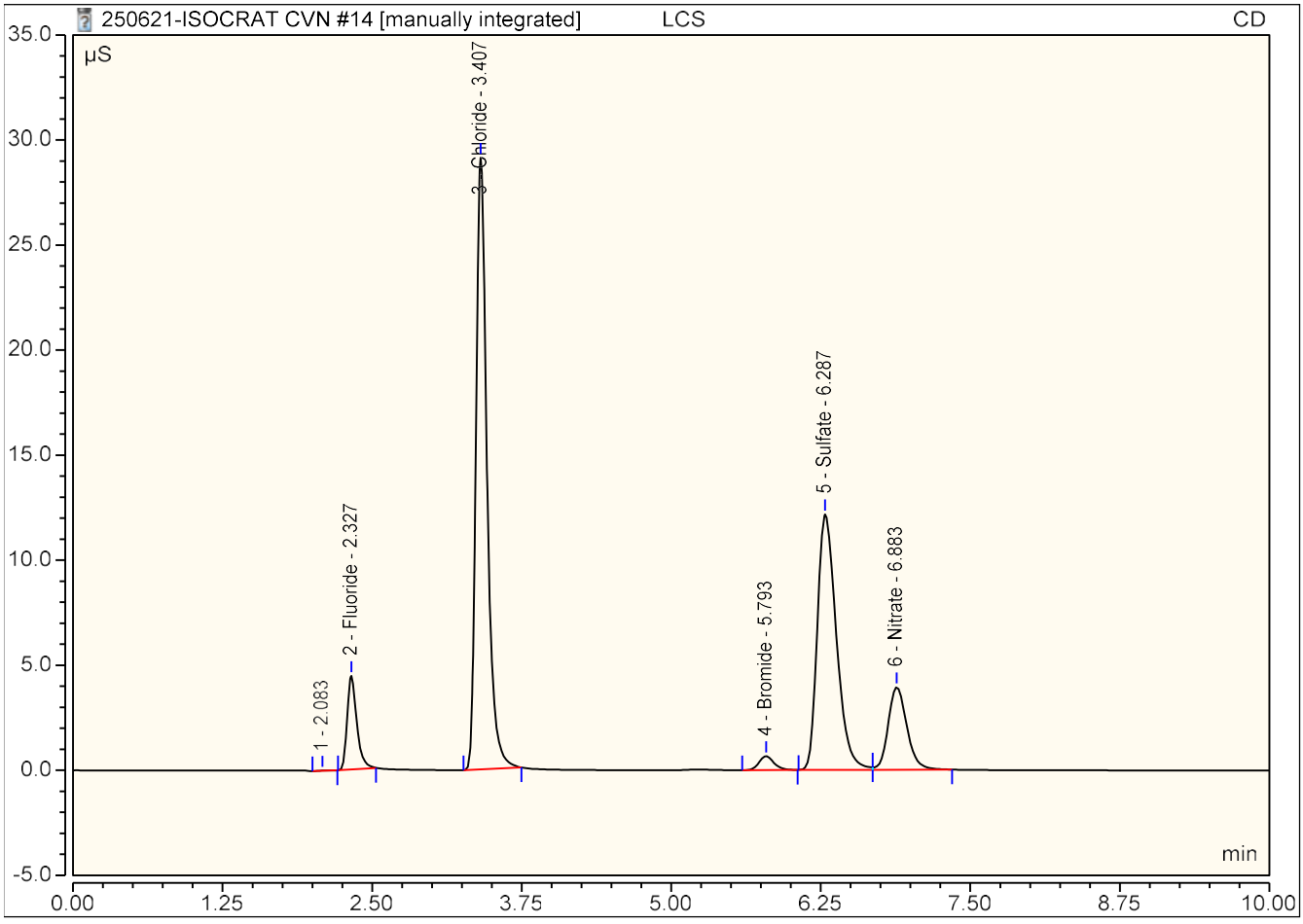
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.005	0.0284
3	3.40	**Chloride**	BMB	0.001	0.012	0.0990
4	6.37	**Sulfate**	BMB	0.006	0.026	0.7184
TOTAL:				0.01	0.04	0.85



Peak Integration Report

Sample Name:	**LCS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:07**	*Run Time:*	**10.00**

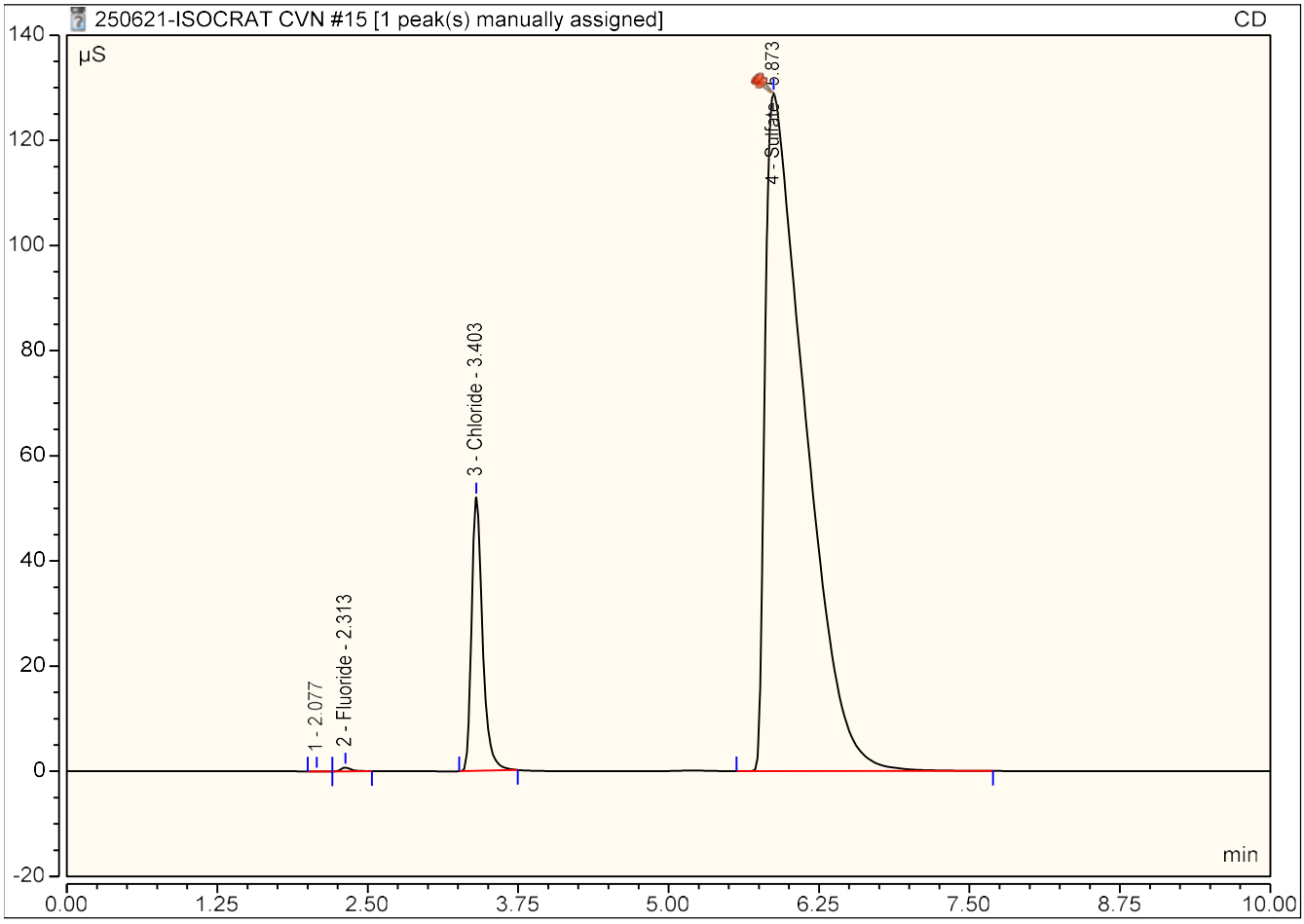
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.411	4.452	0.7688
3	3.41	**Chloride**	BMB	3.096	29.114	8.1129
4	5.79	**Bromide**	BMB	0.096	0.668	0.7501
5	6.29	**Sulfate**	BM *	2.239	12.165	8.0817
6	6.88	**Nitrate**	MB*	0.713	3.930	0.7756
TOTAL:				6.56	50.33	18.49



Peak Integration Report

Sample Name:	**L2536930-01 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:20**	*Run Time:*	**10.00**

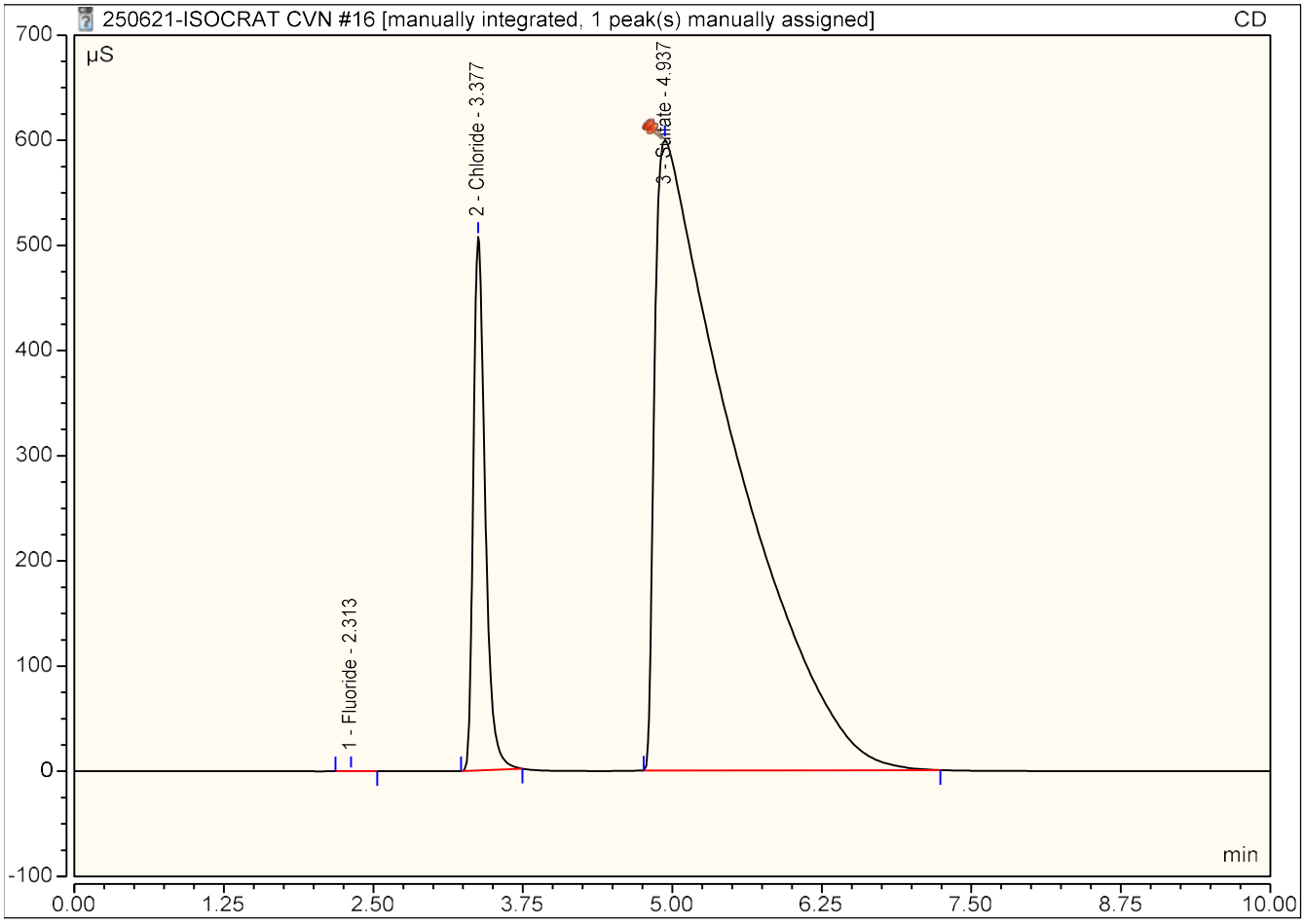
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.069	0.722	0.1522
3	3.40	**Chloride**	BMB	5.503	52.025	14.3453
4	5.87	**Sulfate**	BMB^	49.442	128.870	163.7389
TOTAL:				55.01	181.62	178.24



Peak Integration Report

Sample Name:	**L2536930-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:32**	*Run Time:*	**10.00**

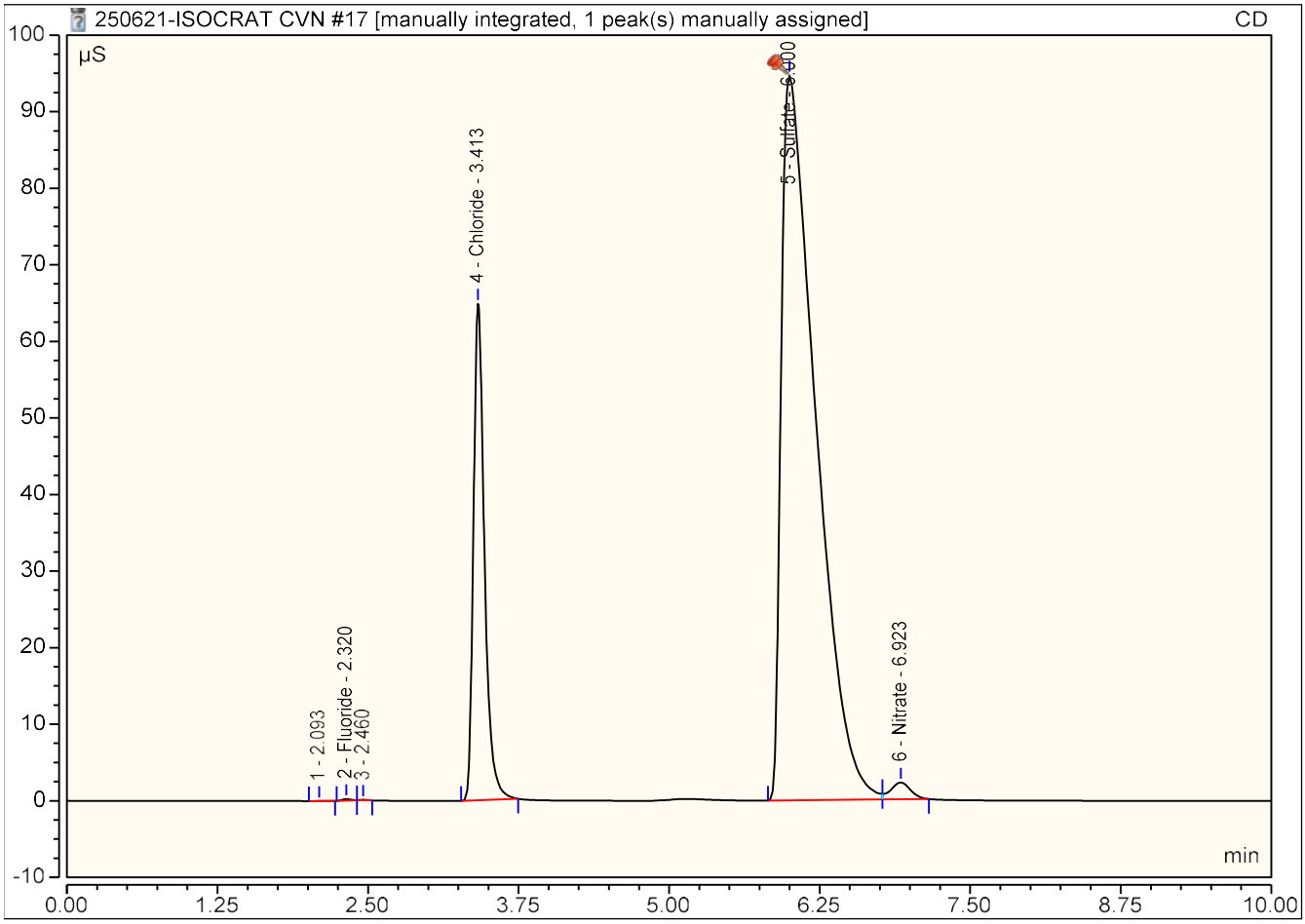
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.020	0.148	0.0629
2	3.38	**Chloride**	BMB	58.442	507.521	151.4436
3	4.94	**Sulfate**	BMB*^	465.820	599.507	1536.7904
TOTAL:				524.28	1107.18	1688.30



Peak Integration Report

Sample Name:	**L2536930-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:44**	*Run Time:*	**10.00**

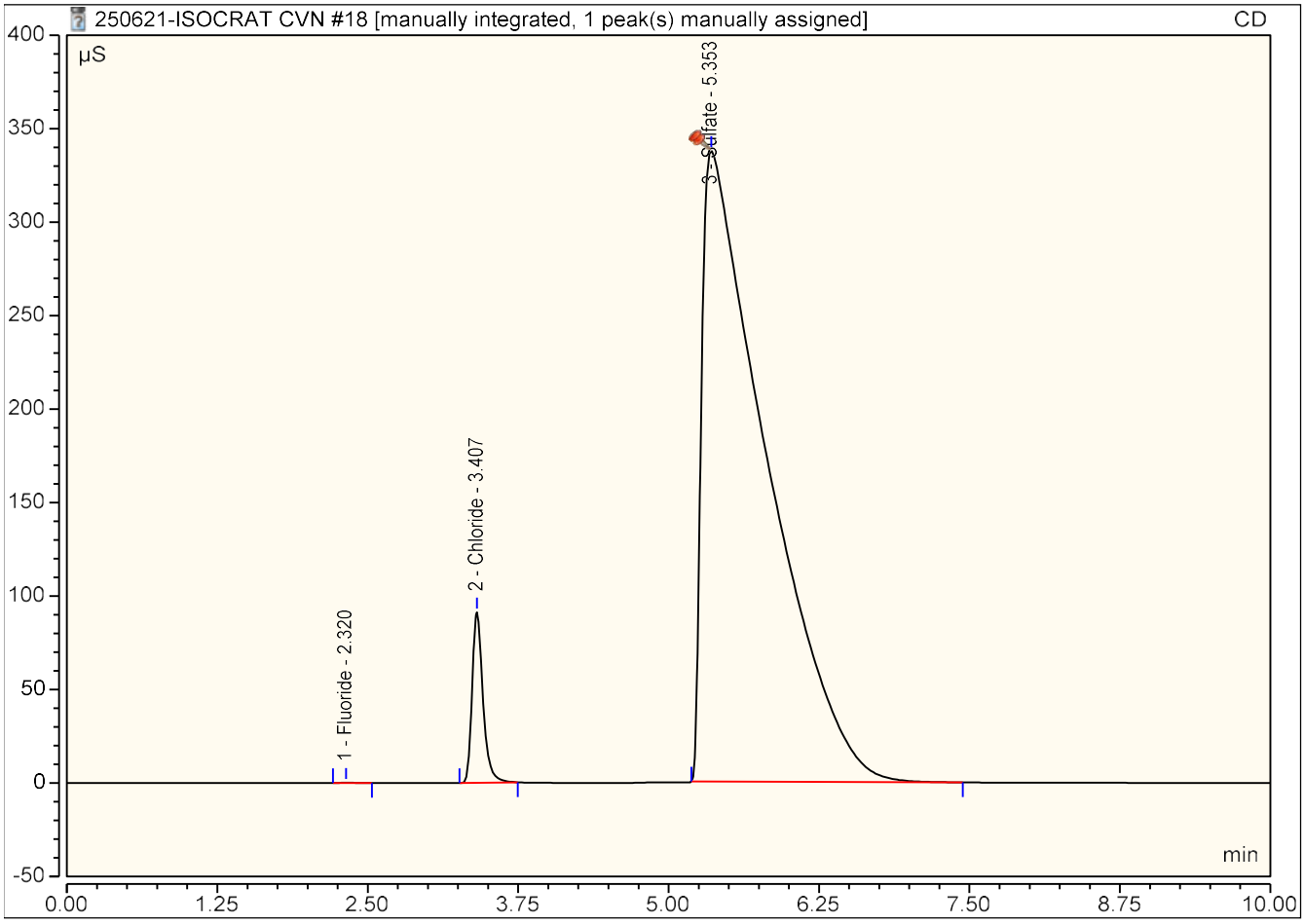
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.015	0.197	0.0535
4	3.41	**Chloride**	BMB	6.843	64.860	17.8171
5	6.00	**Sulfate**	BM *^	31.349	94.686	104.0753
6	6.92	**Nitrate**	MB*	0.421	2.203	0.4695
TOTAL:				38.63	161.95	122.42



Peak Integration Report

Sample Name:	**L2536930-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 11:56**	*Run Time:*	**10.00**

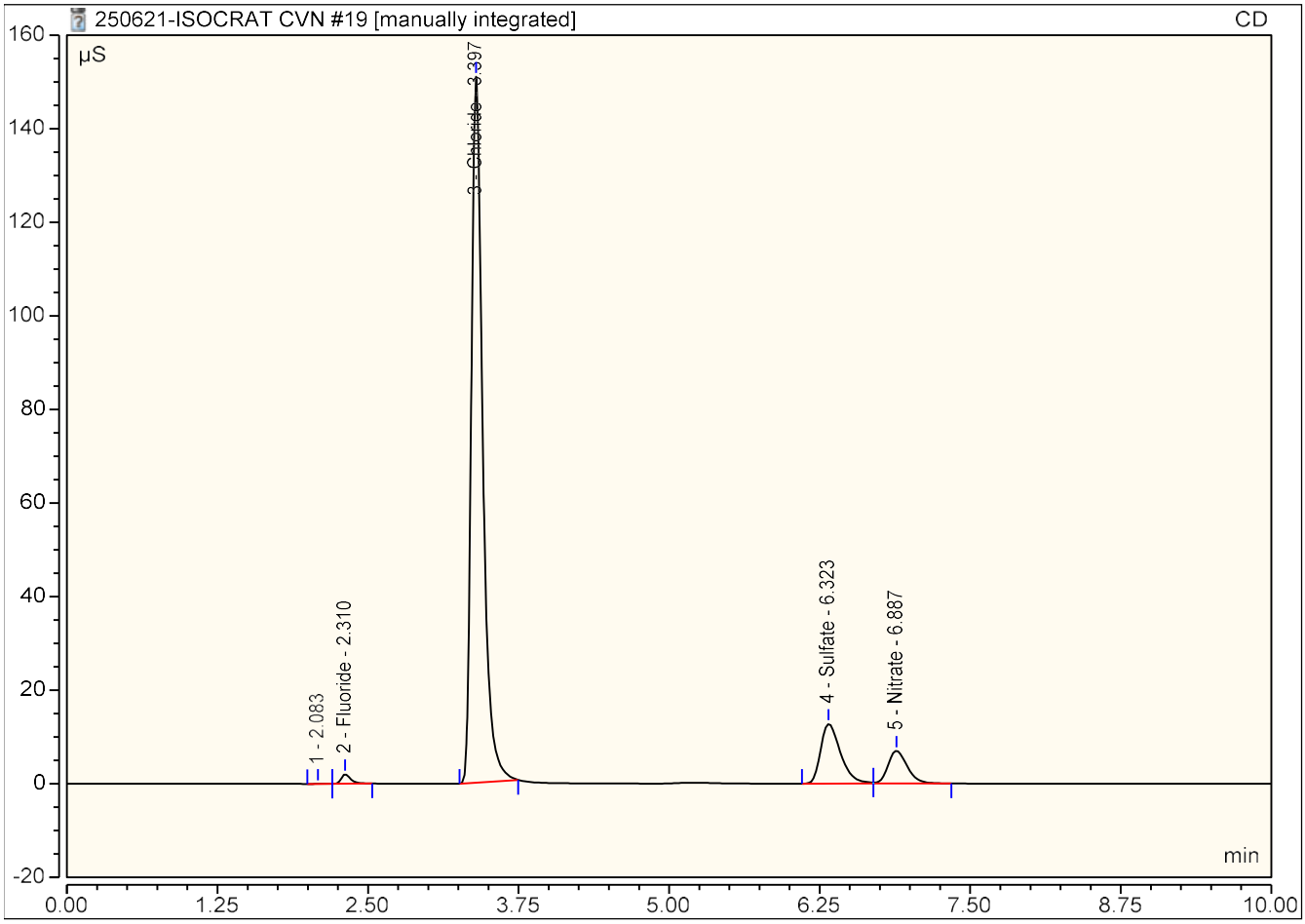
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.023	0.208	0.0680
2	3.41	**Chloride**	BMB	9.522	91.242	24.7548
3	5.35	**Sulfate**	BMB*^	209.403	337.397	691.2281
TOTAL:				218.95	428.85	716.05



Peak Integration Report

Sample Name:	**L2536169-01 F; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:08**	*Run Time:*	**10.00**

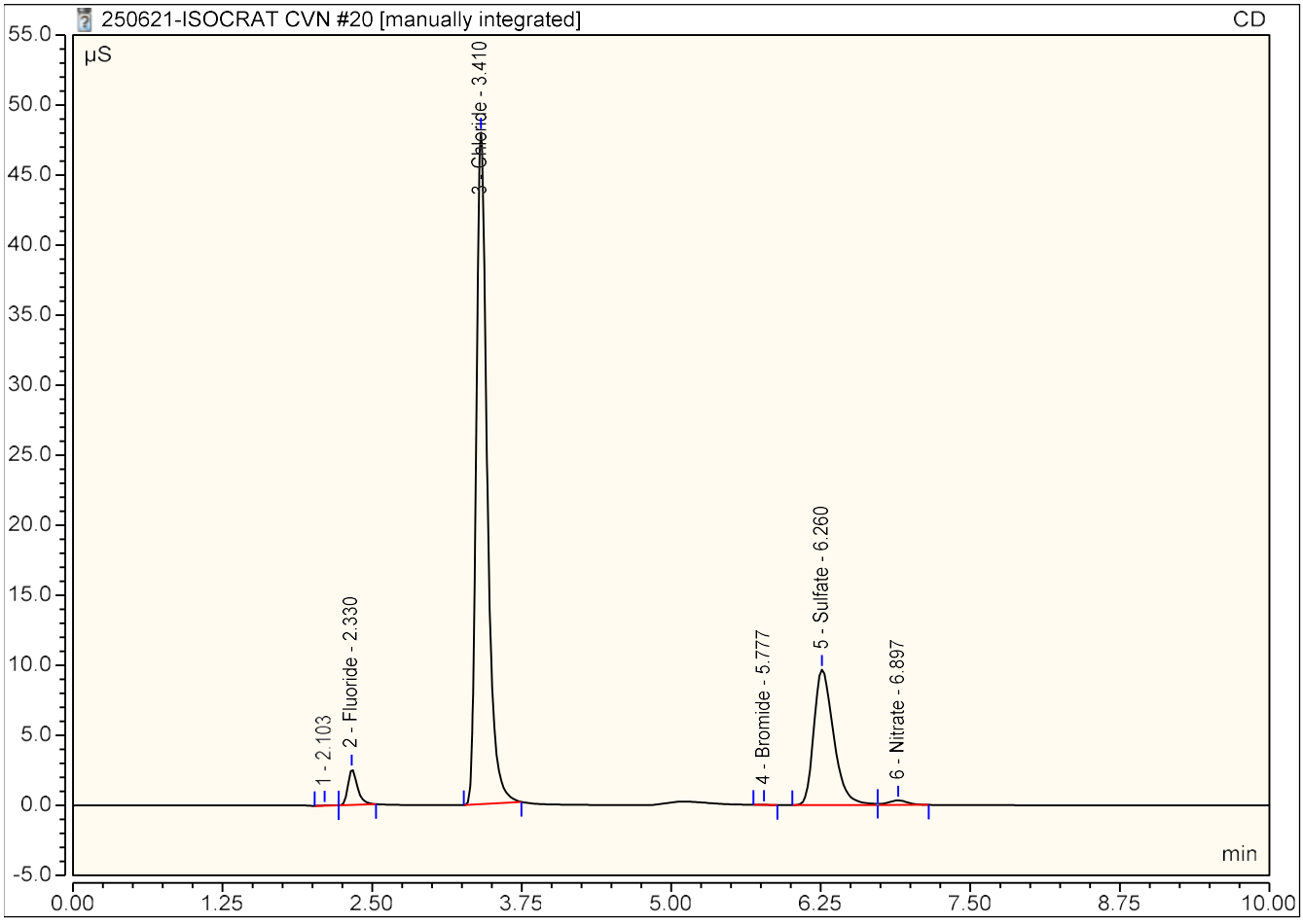
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.184	2.029	1.7917
3	3.40	**Chloride**	BMB	16.464	150.876	213.6617
4	6.32	**Sulfate**	BM *	2.447	12.763	43.8331
5	6.89	**Nitrate**	MB*	1.302	6.993	6.9752
TOTAL:				20.40	172.66	266.26



Peak Integration Report

Sample Name:	**L2536169-03 F; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:20**	*Run Time:*	**10.00**

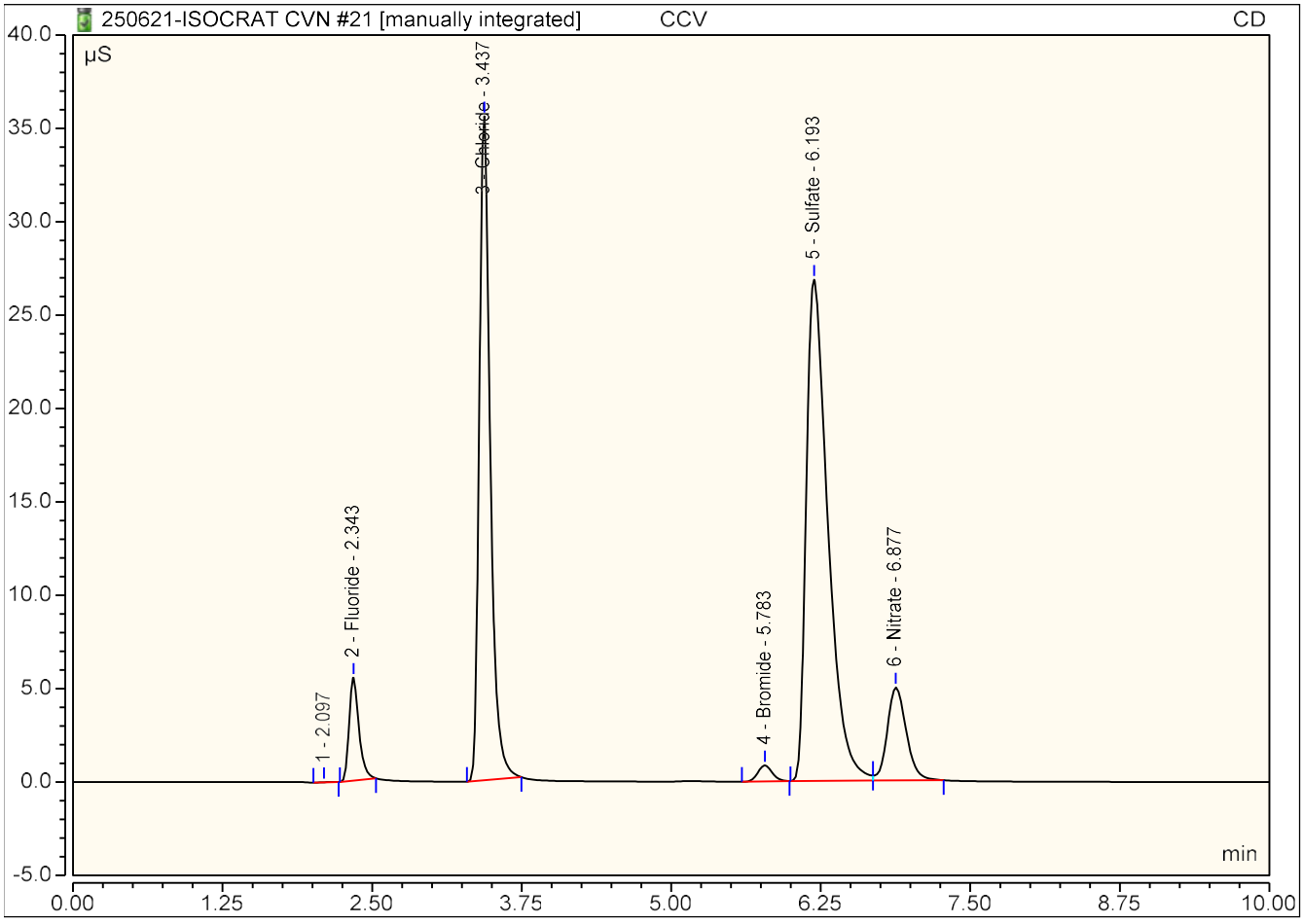
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.233	2.550	2.2351
3	3.41	**Chloride**	BMB	5.108	47.944	66.6222
4	5.78	**Bromide**	BMB	0.000	0.003	0.1961
5	6.26	**Sulfate**	BM *	1.852	9.661	34.0304
6	6.90	**Nitrate**	MB*	0.062	0.327	0.4578
TOTAL:				7.26	60.49	103.54



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:32**	*Run Time:*	**10.00**

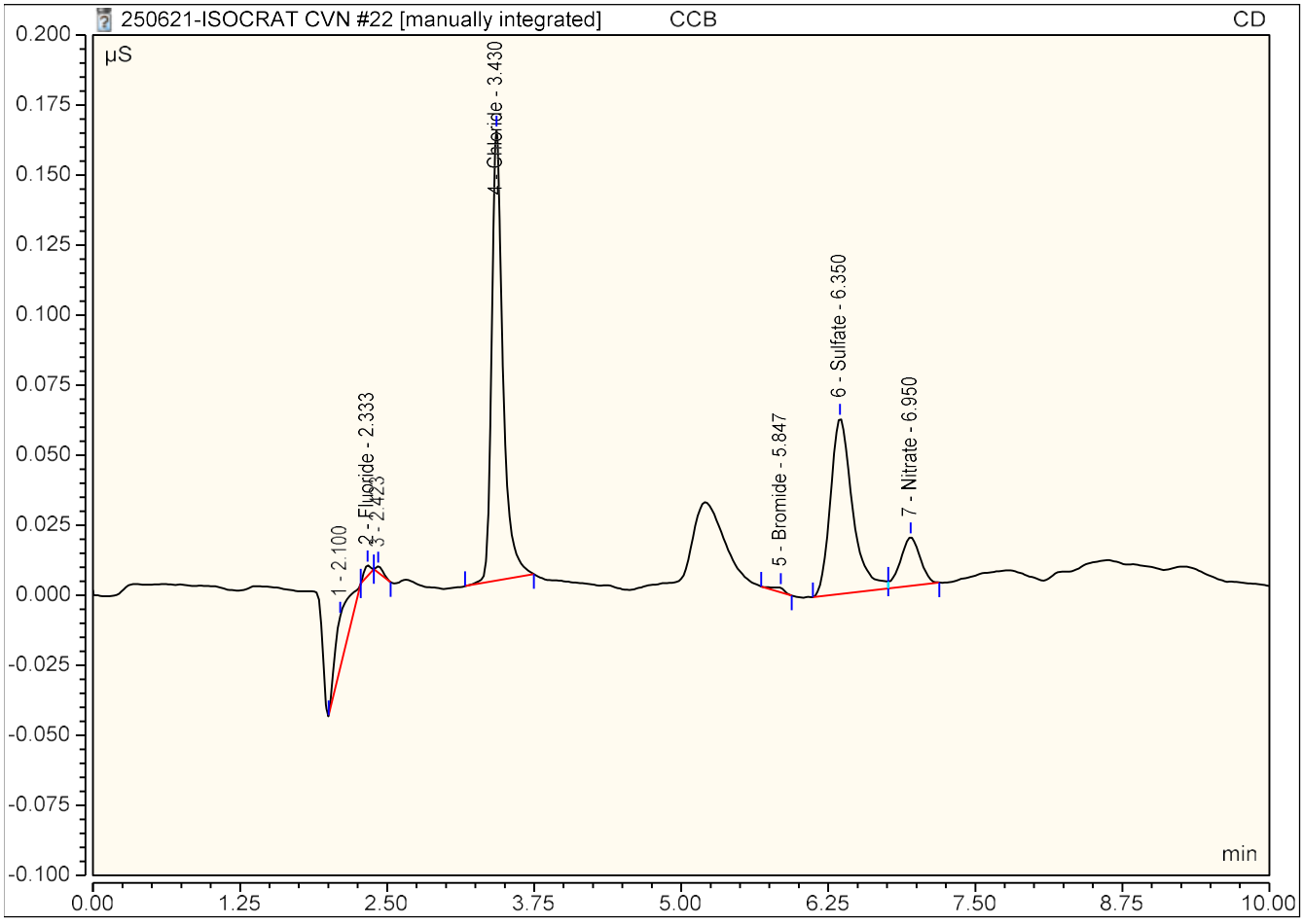
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.524	5.503	0.9712
3	3.44	**Chloride**	BMB	3.797	35.552	9.9296
4	5.78	**Bromide**	BMB	0.120	0.860	0.9246
5	6.19	**Sulfate**	BM *	5.631	26.838	19.2673
6	6.88	**Nitrate**	MB*	0.920	4.983	0.9937
TOTAL:				10.99	73.74	32.09



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:44**	*Run Time:*	**10.00**

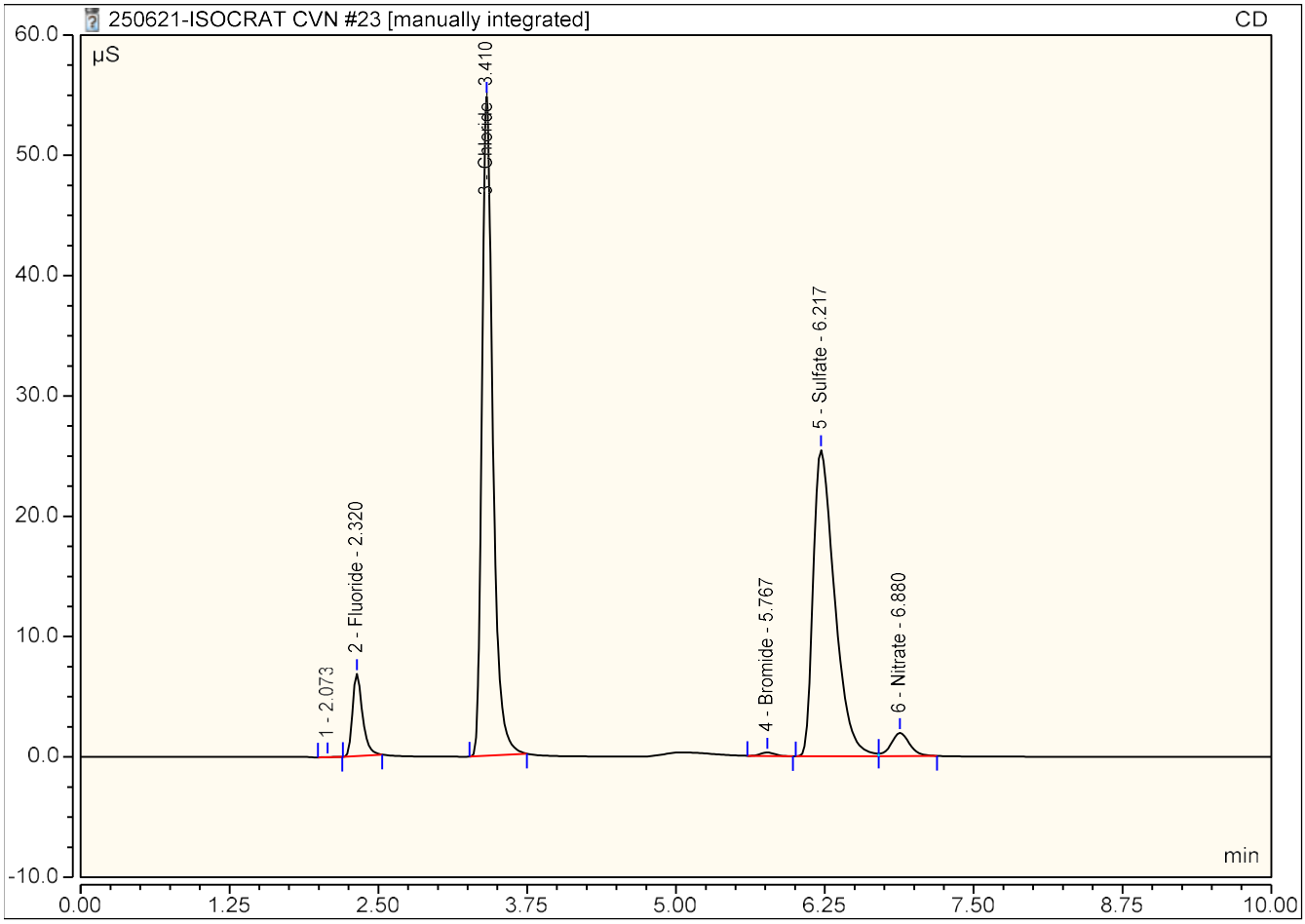
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.000	0.004	0.0277
4	3.43	**Chloride**	BMB	0.018	0.161	0.1416
5	5.85	**Bromide**	BMB	0.000	0.002	0.0386
6	6.35	**Sulfate**	BM *	0.014	0.063	0.7430
7	6.95	**Nitrate**	MB*	0.003	0.017	0.0304
TOTAL:				0.04	0.25	0.98



Peak Integration Report

Sample Name:	**L2536169-04 MS; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 12:56**	*Run Time:*	**10.00**

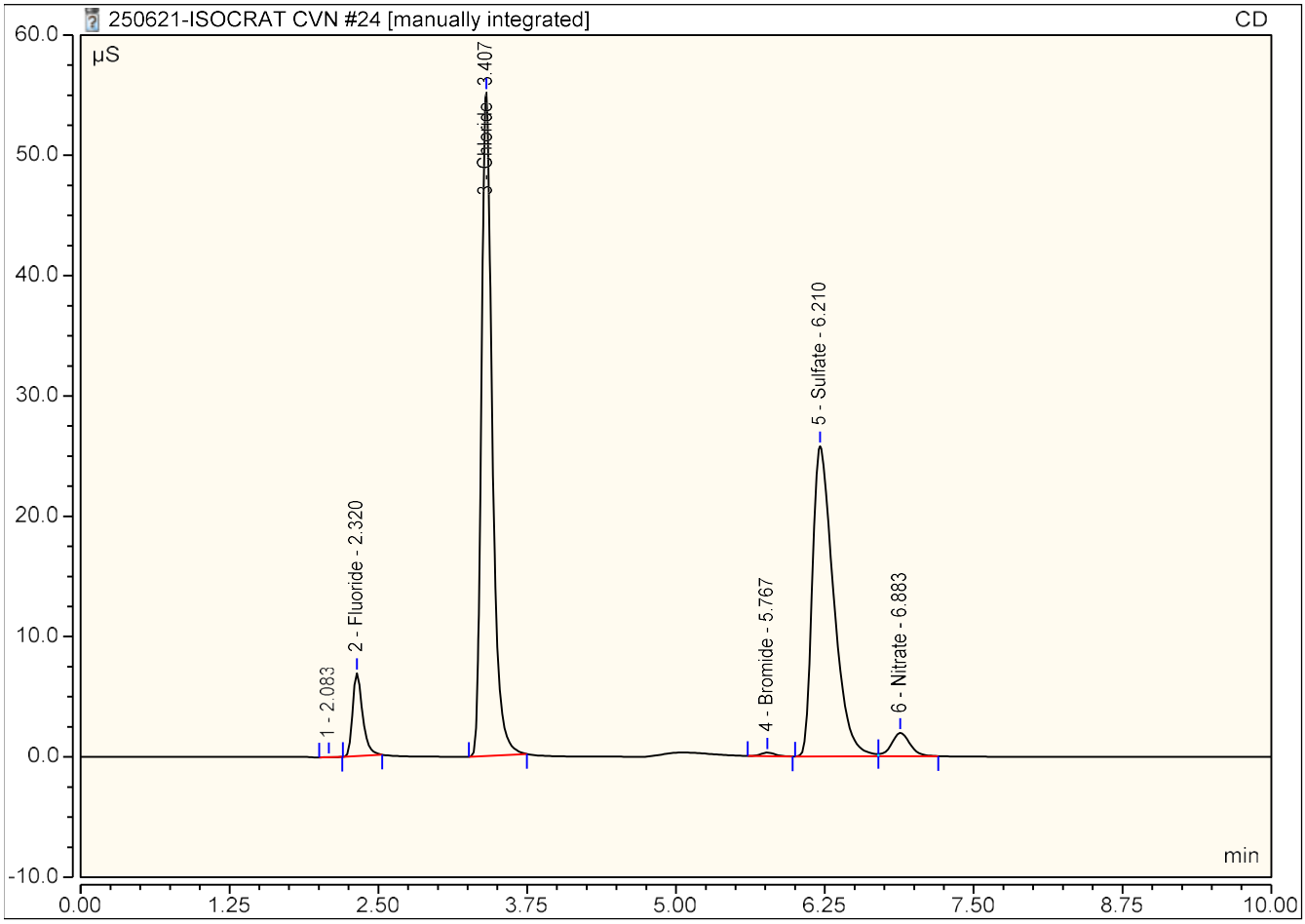
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.666	6.834	6.1391
3	3.41	**Chloride**	BMB	5.828	54.787	75.9466
4	5.77	**Bromide**	BMB	0.042	0.297	1.7298
5	6.22	**Sulfate**	BM *	5.320	25.456	91.1995
6	6.88	**Nitrate**	MB*	0.347	1.926	1.9550
TOTAL:				12.20	89.30	176.97



Peak Integration Report

Sample Name:	**L2536169-04 MSD; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:08**	*Run Time:*	**10.00**

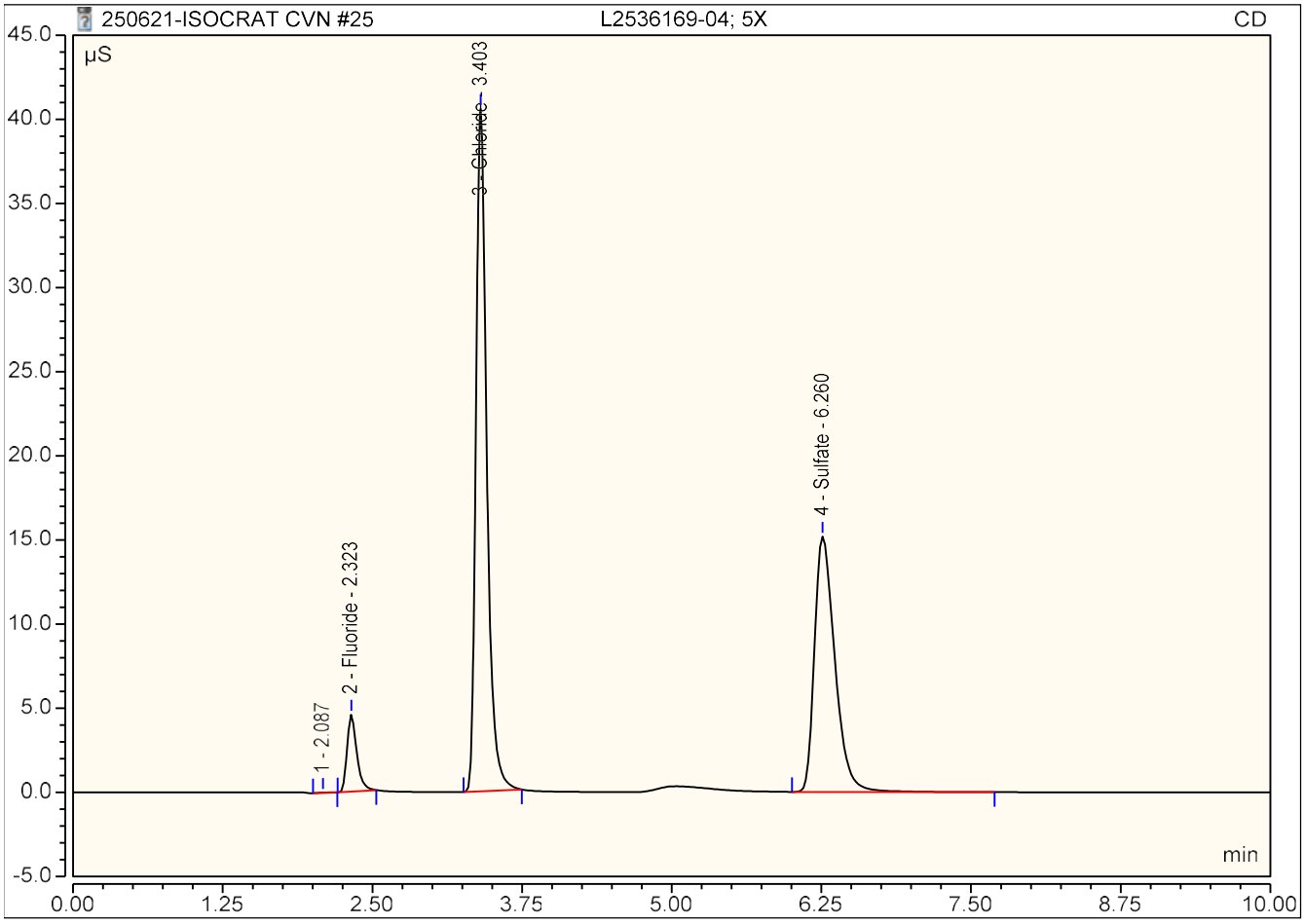
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.671	6.903	6.1849
3	3.41	**Chloride**	BMB	5.842	55.112	76.1220
4	5.77	**Bromide**	BMB	0.042	0.297	1.7294
5	6.21	**Sulfate**	BM *	5.318	25.773	91.1742
6	6.88	**Nitrate**	MB*	0.351	1.937	1.9763
TOTAL:				12.22	90.02	177.19



Peak Integration Report

Sample Name:	**L2536169-04; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:20**	*Run Time:*	**10.00**

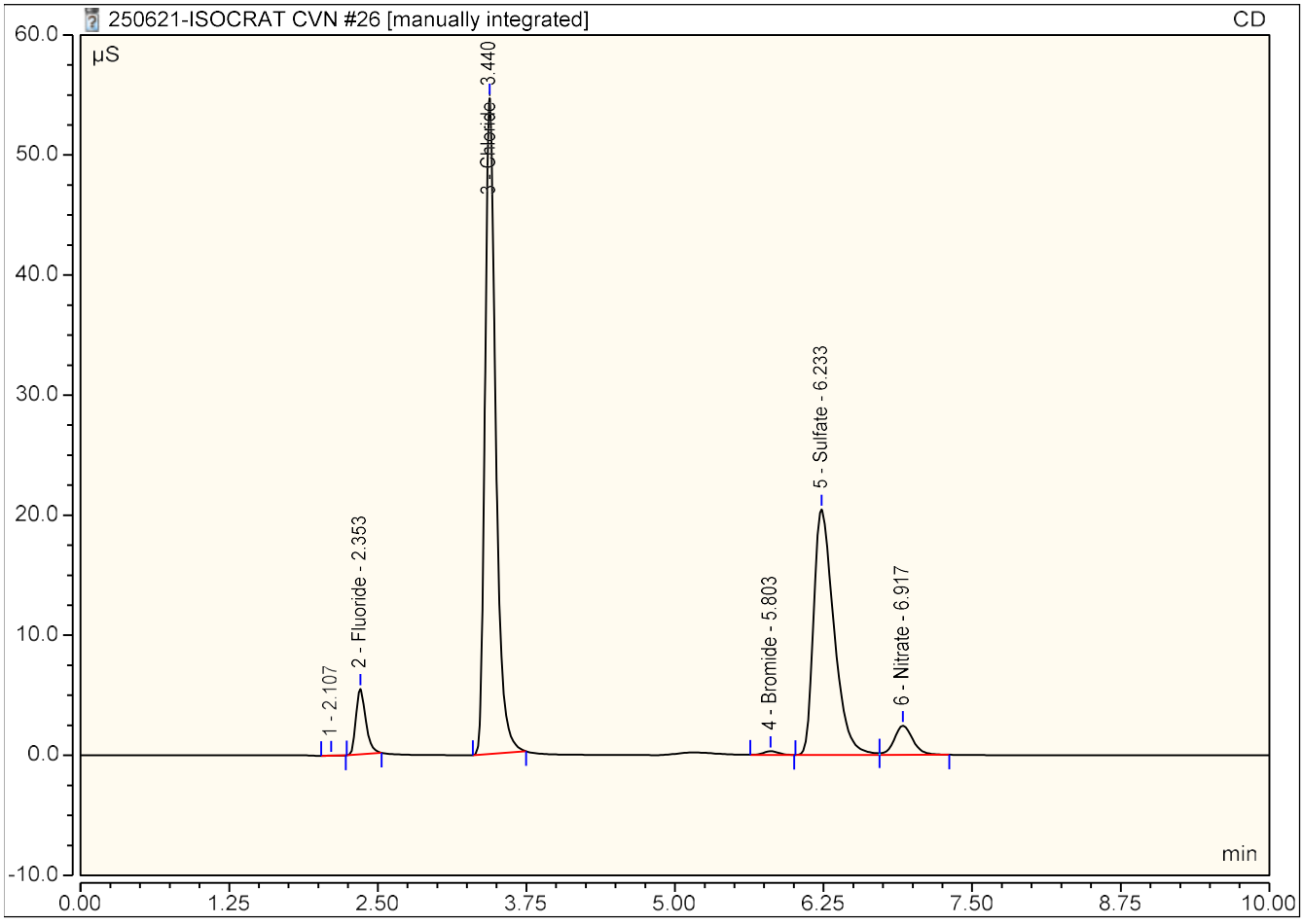
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.430	4.584	4.0088
3	3.40	**Chloride**	BMB	4.247	40.564	55.4743
4	6.26	**Sulfate**	BMB	2.997	15.174	52.9019
TOTAL:				7.67	60.32	112.38



Peak Integration Report

Sample Name:	**L2536169-05 MS; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:33**	*Run Time:*	**10.00**

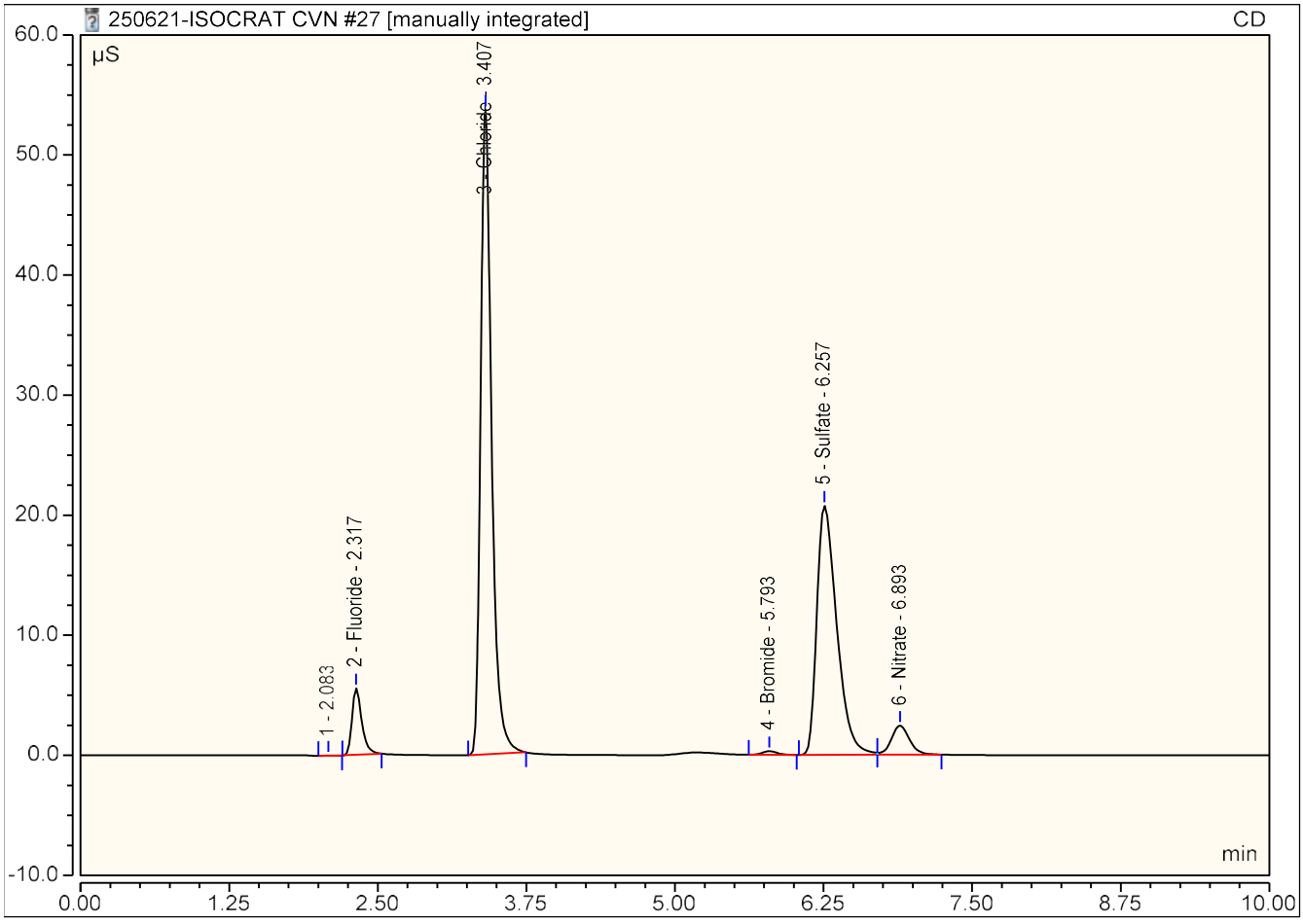
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.35	**Fluoride**	BMB	0.520	5.459	4.8261
3	3.44	**Chloride**	BMB	5.768	54.605	75.1639
4	5.80	**Bromide**	BMB	0.044	0.315	1.8248
5	6.23	**Sulfate**	BM *	4.058	20.455	70.3952
6	6.92	**Nitrate**	MB*	0.438	2.420	2.4330
TOTAL:				10.83	83.25	154.64



Peak Integration Report

Sample Name:	**L2536169-05 MSD; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:45**	*Run Time:*	**10.00**

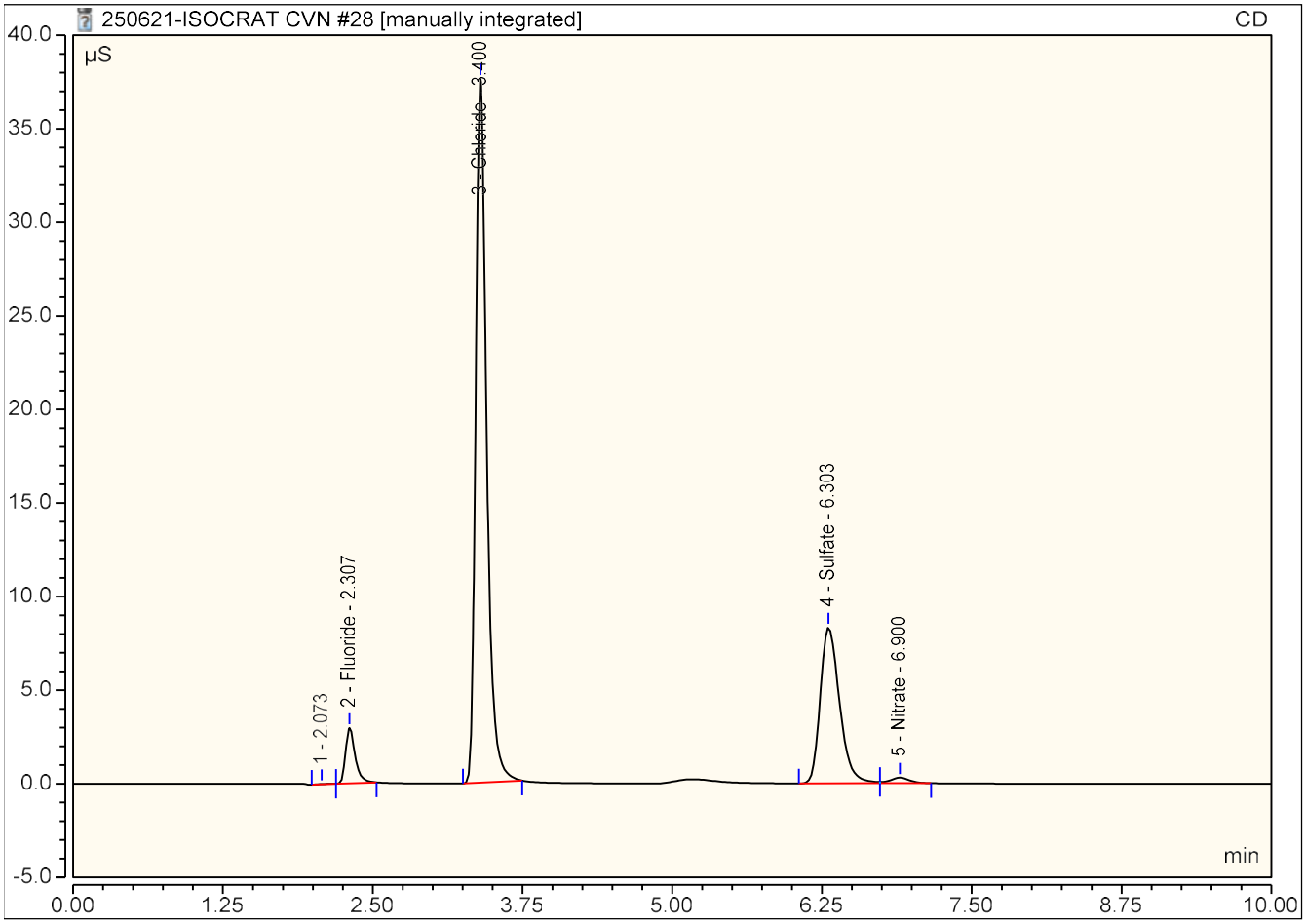
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.527	5.539	4.8896
3	3.41	**Chloride**	BMB	5.754	53.679	74.9830
4	5.79	**Bromide**	BMB	0.044	0.313	1.8347
5	6.26	**Sulfate**	BM *	4.029	20.751	69.9137
6	6.89	**Nitrate**	MB*	0.430	2.426	2.3936
TOTAL:				10.78	82.71	154.01



Peak Integration Report

Sample Name:	**L2536169-05; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 13:57**	*Run Time:*	**10.00**

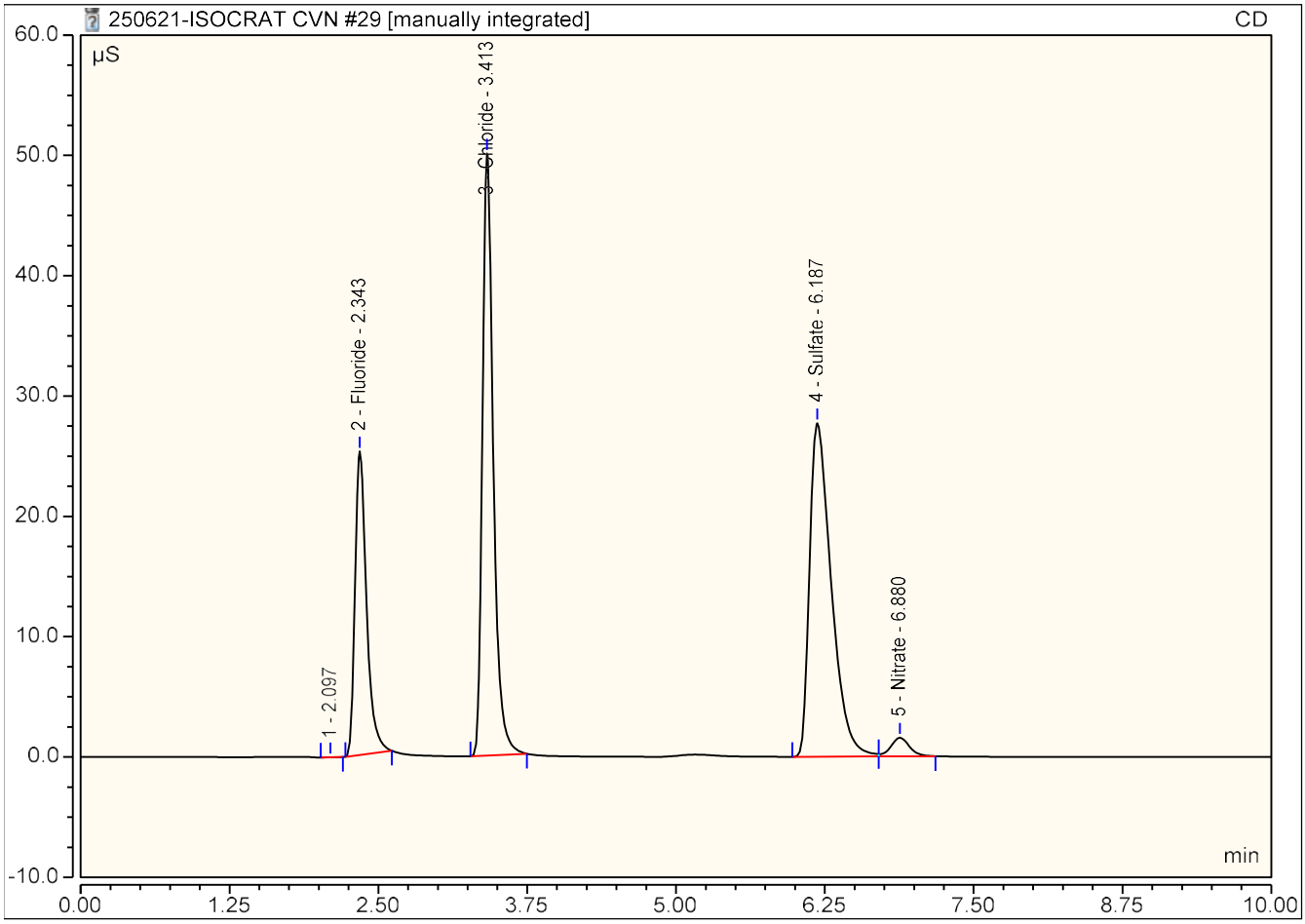
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.274	2.958	2.6039
3	3.40	**Chloride**	BMB	3.993	37.615	52.1855
4	6.30	**Sulfate**	BM *	1.555	8.329	29.1284
5	6.90	**Nitrate**	MB*	0.057	0.299	0.4312
TOTAL:				5.88	49.20	84.35



Peak Integration Report

Sample Name:	**XL2536169-10; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:09**	*Run Time:*	**10.00**

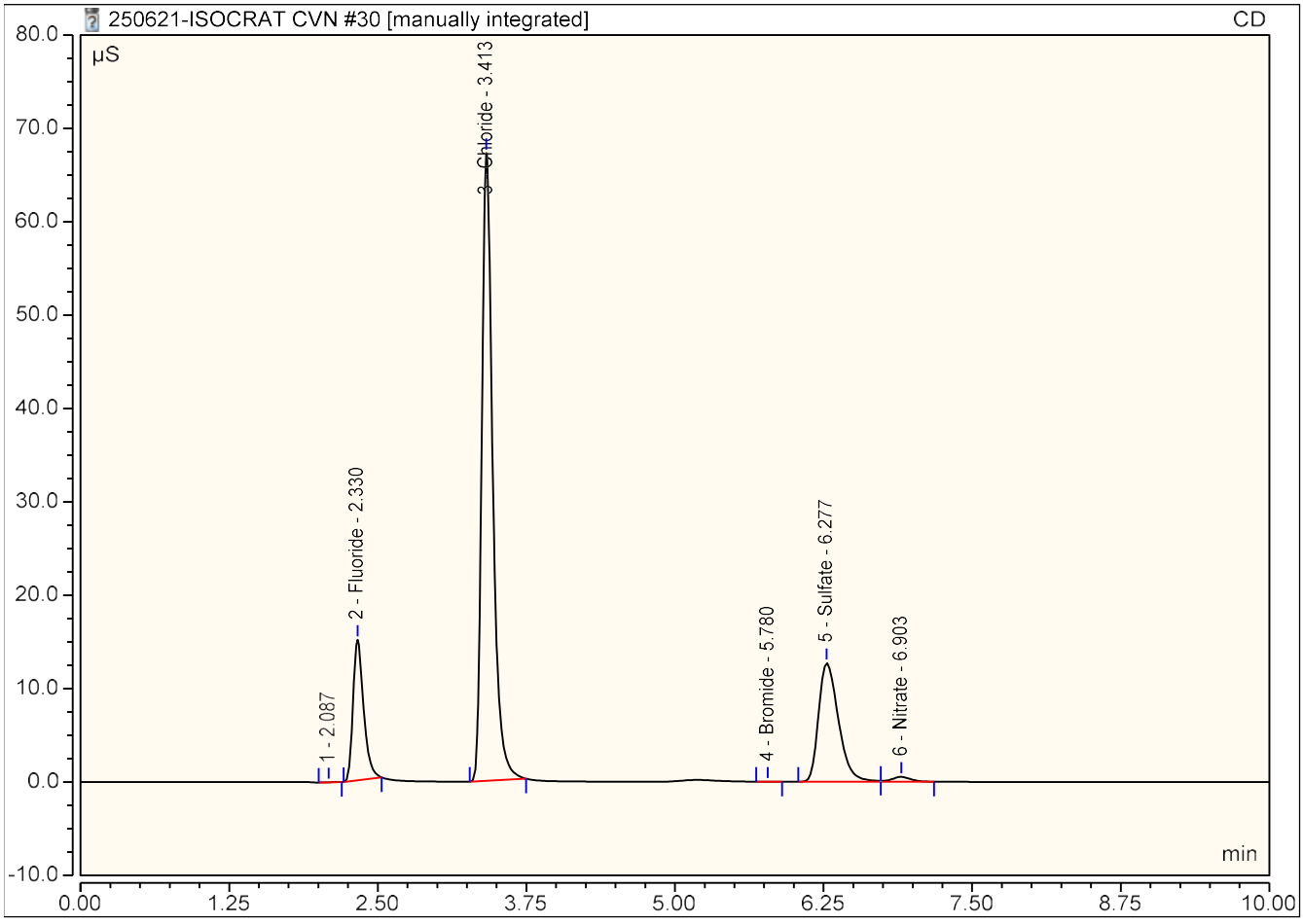
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB*	2.802	25.233	25.3926
3	3.41	**Chloride**	BMB	5.321	50.041	69.3765
4	6.19	**Sulfate**	BM *	5.853	27.727	99.9944
5	6.88	**Nitrate**	MB*	0.281	1.556	1.6105
TOTAL:				14.26	104.56	196.37



Peak Integration Report

Sample Name:	**L2536169-11; 5X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**5.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:21**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	1.543	15.032	14.0428
3	3.41	**Chloride**	BMB	7.186	67.212	93.5261
4	5.78	**Bromide**	BMB	0.000	0.003	0.1973
5	6.28	**Sulfate**	BM *	2.461	12.701	44.0709
6	6.90	**Nitrate**	MB*	0.095	0.516	0.6350
TOTAL:				11.29	95.46	152.47



Peak Integration Report

Sample Name:	**XL2538013-02 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:31**	*Run Time:*	**n.a.**

No.	Time min	Peak Name	Peak Type	Area n.a.	Height n.a.	Amount n.a.
		TOTAL:		0.00	0.00	0.00

Channel CD is not available for injection #31 - XL2538013-02 BR.

Peak Integration Report

Sample Name:	**XL2538013-02; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:33**	*Run Time:*	**n.a.**

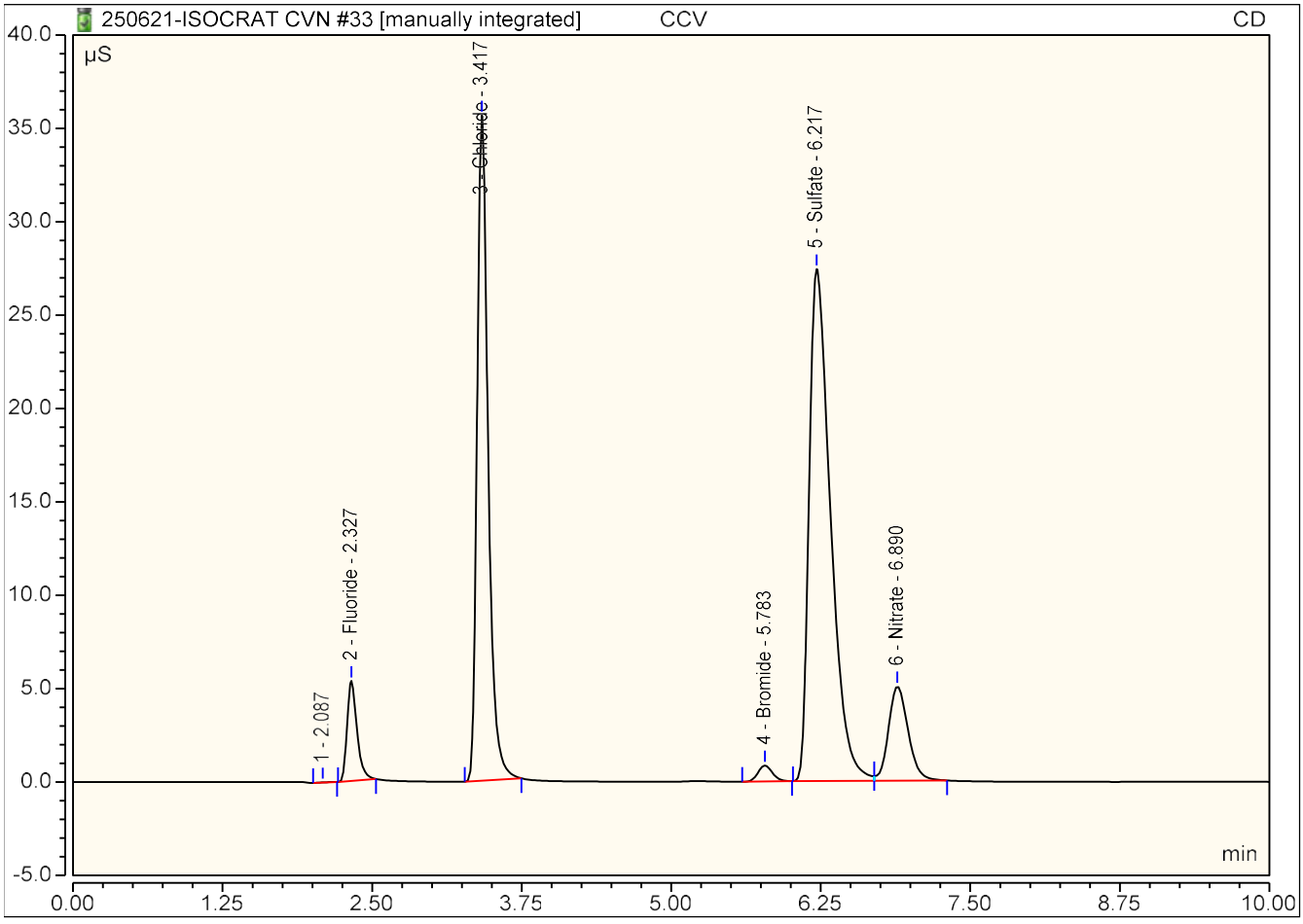
No.	Time min	Peak Name	Peak Type	Area n.a.	Height n.a.	Amount n.a.
		TOTAL:		0.00	0.00	0.00

Channel CD is not available for injection #32 - XL2538013-02; 10X.

Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:37**	*Run Time:*	**10.00**

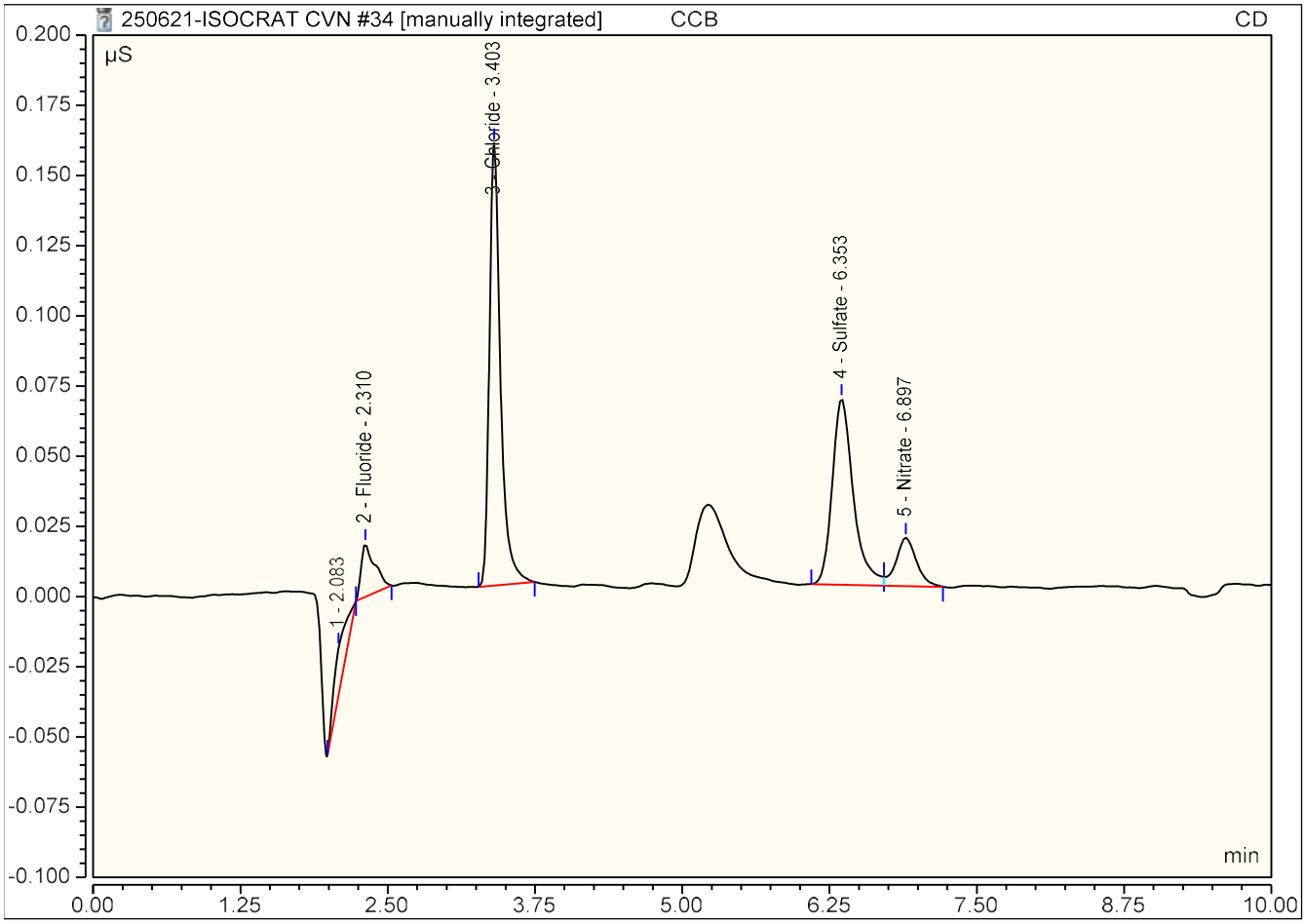
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.510	5.354	0.9471
3	3.42	**Chloride**	BMB	3.802	35.622	9.9419
4	5.78	**Bromide**	BMB	0.121	0.863	0.9369
5	6.22	**Sulfate**	BM *	5.683	27.413	19.4397
6	6.89	**Nitrate**	MB*	0.965	5.055	1.0403
TOTAL:				11.08	74.31	32.31



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 14:49**	*Run Time:*	**10.00**

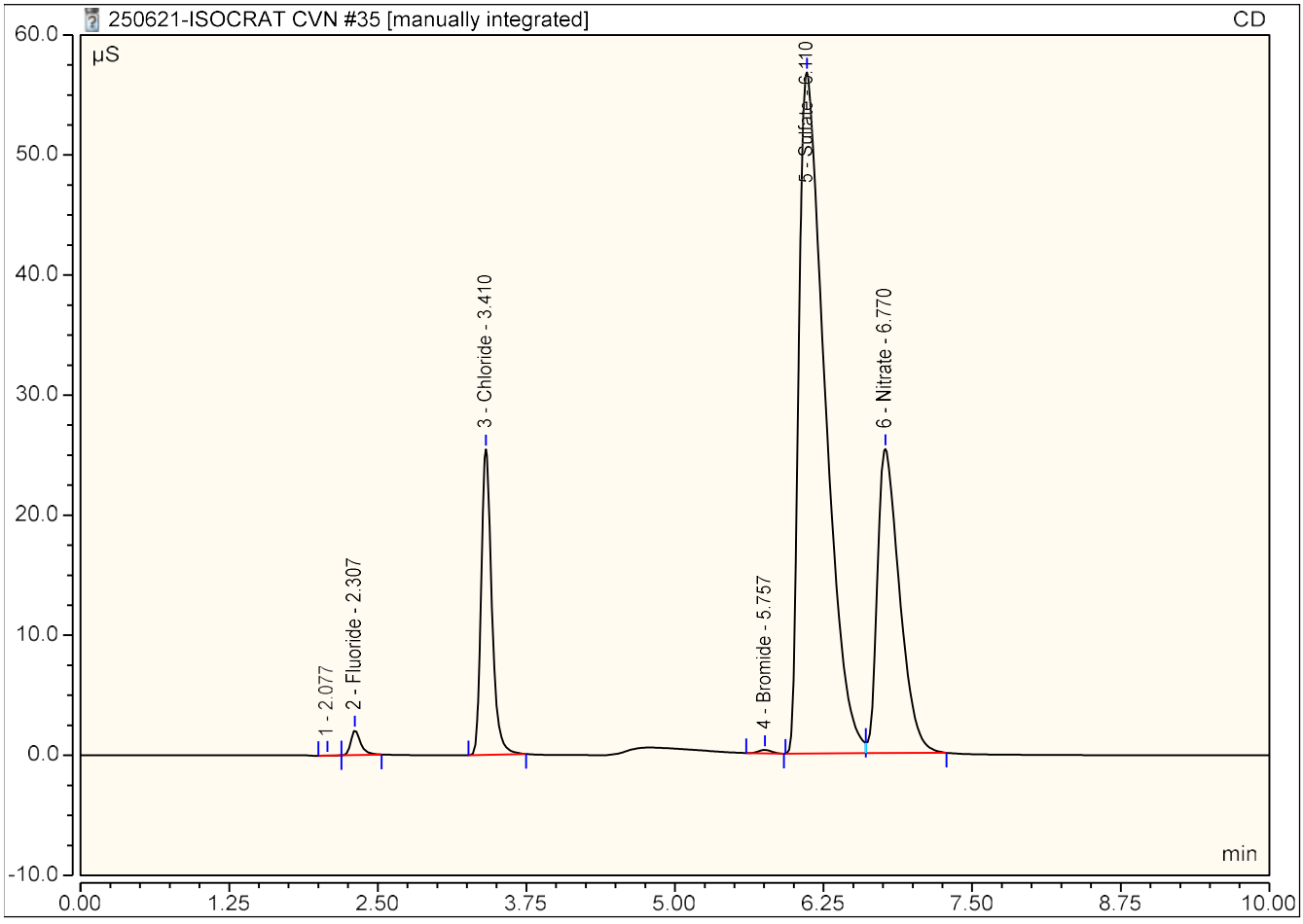
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.003	0.019	0.0318
3	3.40	**Chloride**	BMB	0.017	0.158	0.1397
4	6.35	**Sulfate**	BM *	0.014	0.066	0.7430
5	6.90	**Nitrate**	MB*	0.003	0.017	0.0305
TOTAL:				0.04	0.26	0.95



Peak Integration Report

Sample Name:	**L2538013-01 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:01**	*Run Time:*	**10.00**

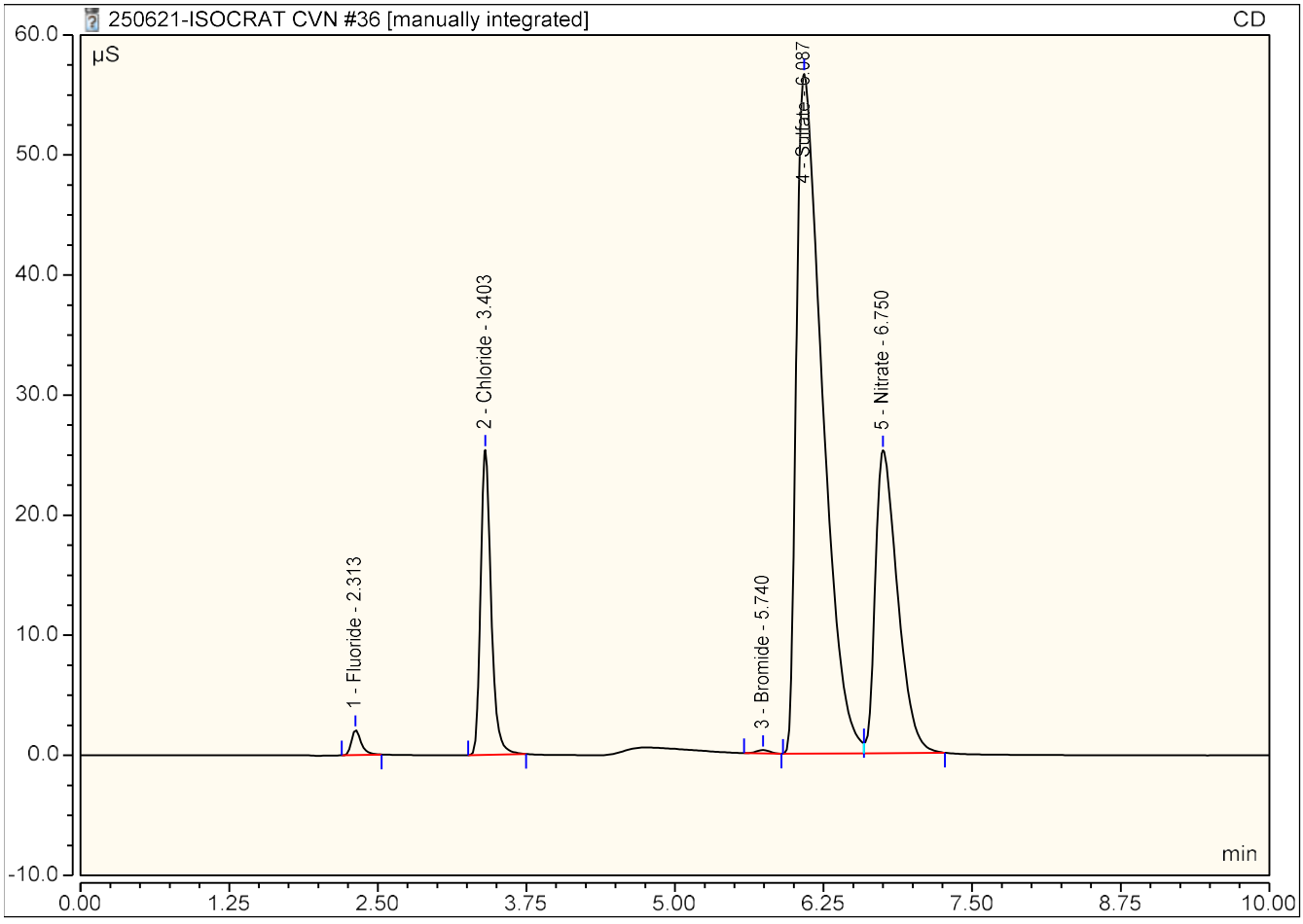
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.197	2.059	0.3828
3	3.41	**Chloride**	BMB	2.634	25.445	6.9160
4	5.76	**Bromide**	BMB	0.038	0.292	0.3228
5	6.11	**Sulfate**	BM *	14.400	56.743	48.1849
6	6.77	**Nitrate**	MB*	5.489	25.333	5.7932
TOTAL:				22.76	109.87	61.60



Peak Integration Report

Sample Name:	**L2538013-01 MSD**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:13**	*Run Time:*	**10.00**

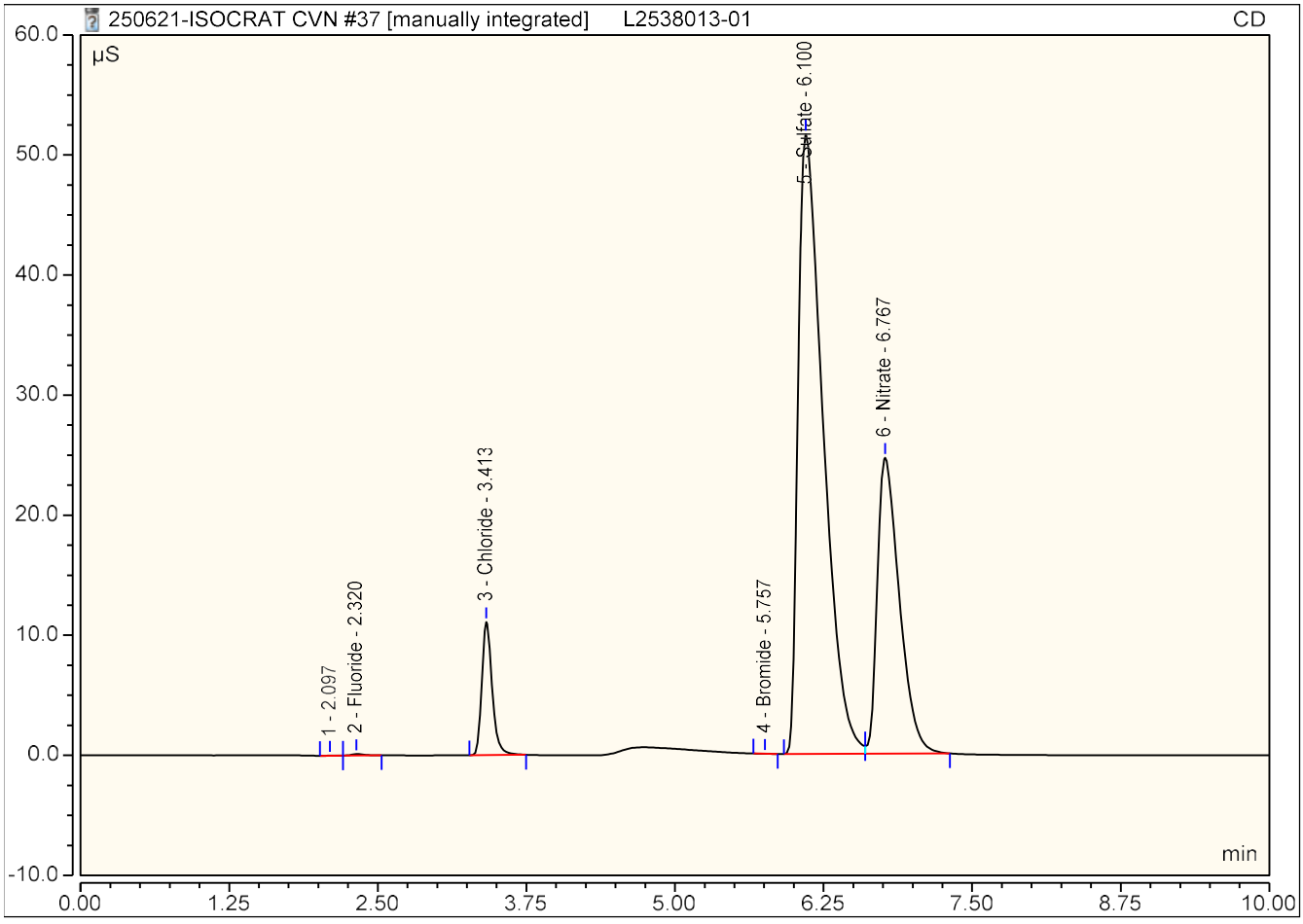
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.199	2.094	0.3868
2	3.40	**Chloride**	BMB	2.606	25.411	6.8443
3	5.74	**Bromide**	BMB	0.038	0.287	0.3178
4	6.09	**Sulfate**	BM *	14.300	56.620	47.8549
5	6.75	**Nitrate**	MB*	5.477	25.220	5.7803
TOTAL:				22.62	109.63	61.18



Peak Integration Report

Sample Name:	**L2538013-01**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:25**	*Run Time:*	**10.00**

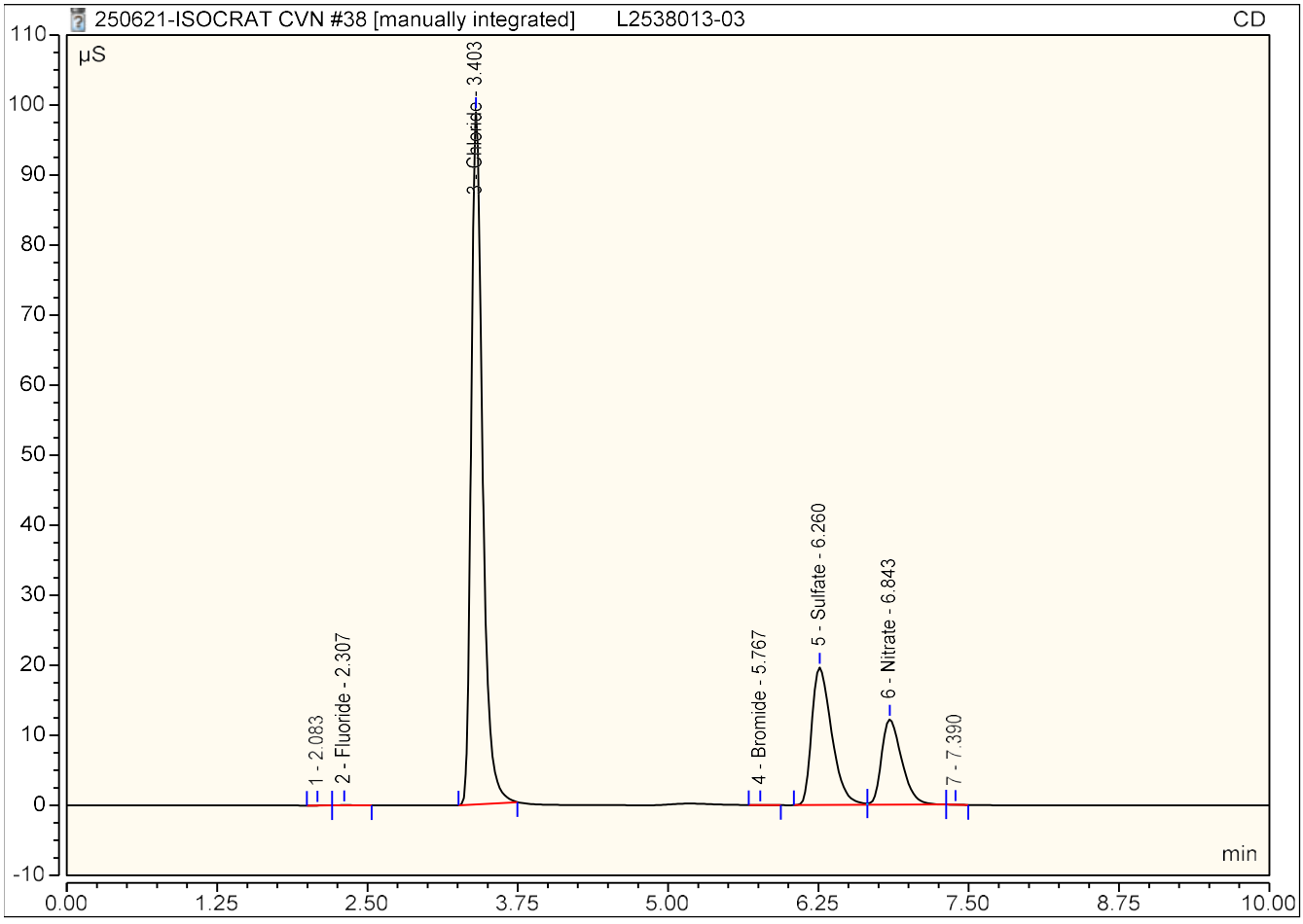
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.013	0.123	0.0513
3	3.41	**Chloride**	BMB	1.119	11.085	2.9922
4	5.76	**Bromide**	BMB	0.001	0.007	0.0425
5	6.10	**Sulfate**	BM *	12.594	51.608	42.2287
6	6.77	**Nitrate**	MB*	5.306	24.646	5.6007
TOTAL:				19.03	87.47	50.92



Peak Integration Report

Sample Name:	**L2538013-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:37**	*Run Time:*	**10.00**

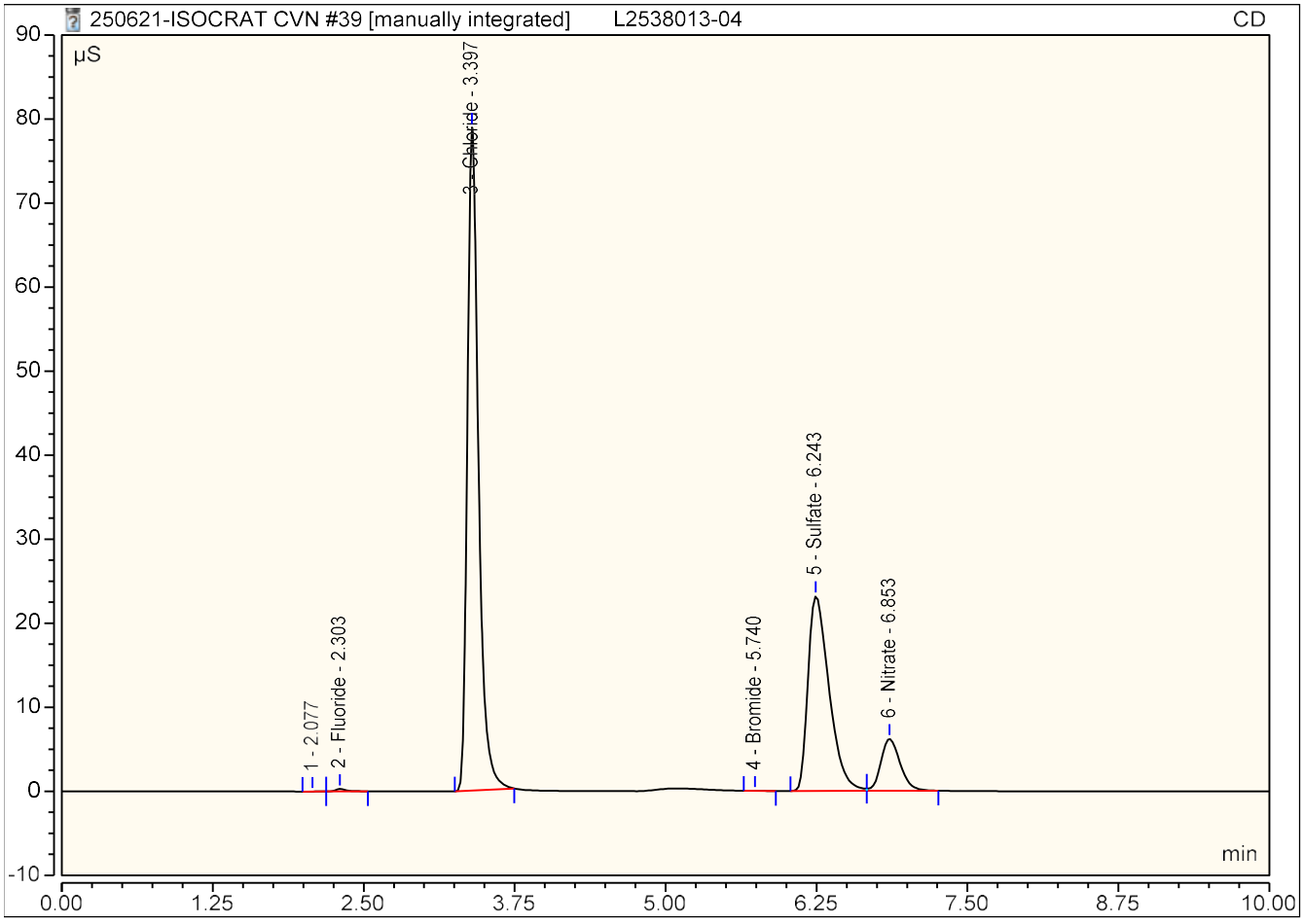
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.006	0.056	0.0389
3	3.40	**Chloride**	BMB	10.824	98.885	28.1257
4	5.77	**Bromide**	BMB	0.001	0.011	0.0482
5	6.26	**Sulfate**	BM *	3.781	19.653	13.1655
6	6.84	**Nitrate**	MB*	2.369	12.203	2.5152
TOTAL:				16.98	130.81	43.89



Peak Integration Report

Sample Name:	**L2538013-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 15:49**	*Run Time:*	**10.00**

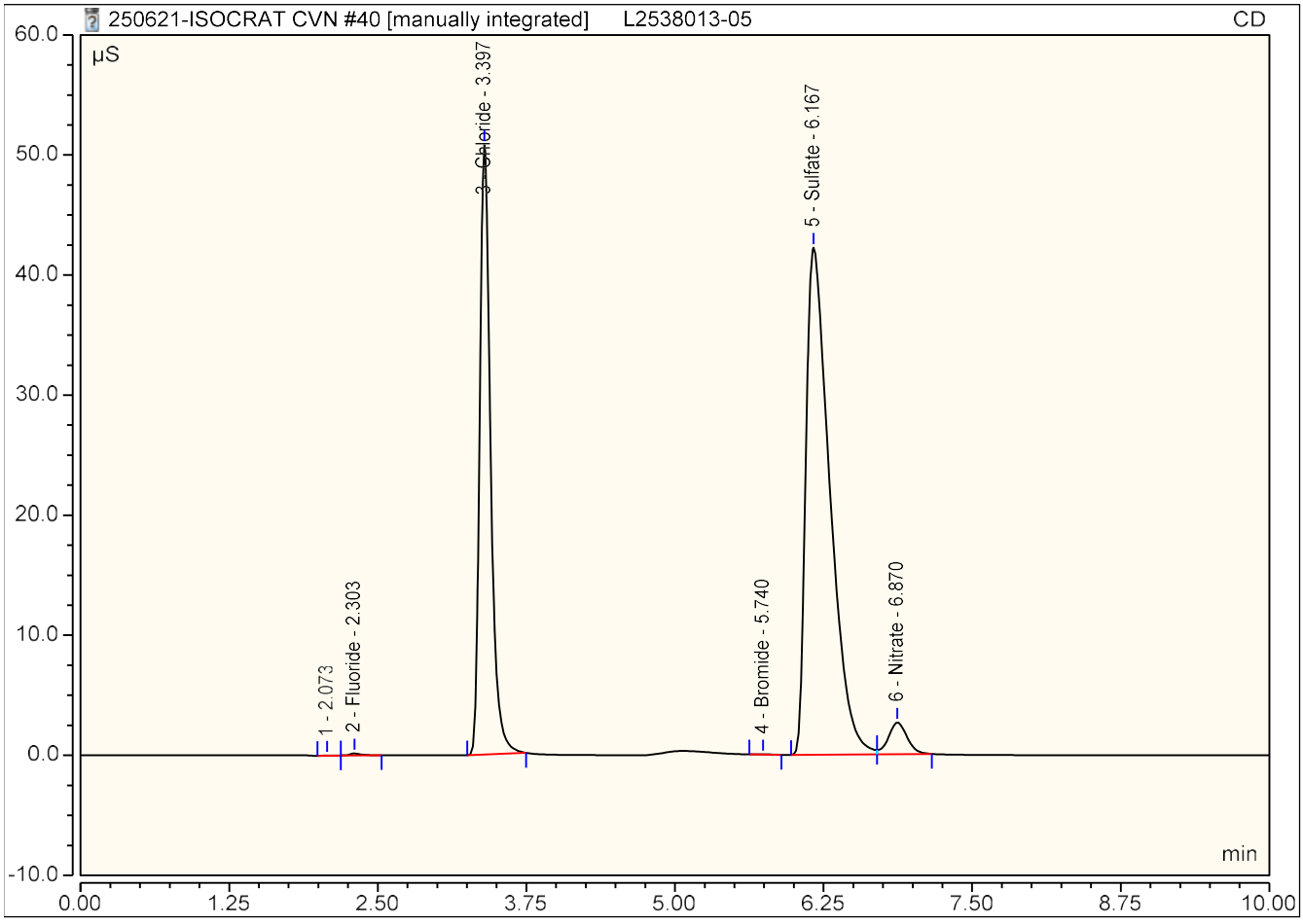
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.028	0.287	0.0779
3	3.40	**Chloride**	BMB	8.461	78.875	22.0074
4	5.74	**Bromide**	BMB	0.002	0.013	0.0498
5	6.24	**Sulfate**	BM *	4.702	23.198	16.2034
6	6.85	**Nitrate**	MB*	1.140	6.188	1.2247
TOTAL:				14.33	108.56	39.56



Peak Integration Report

Sample Name:	**L2538013-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:02**	*Run Time:*	**10.00**

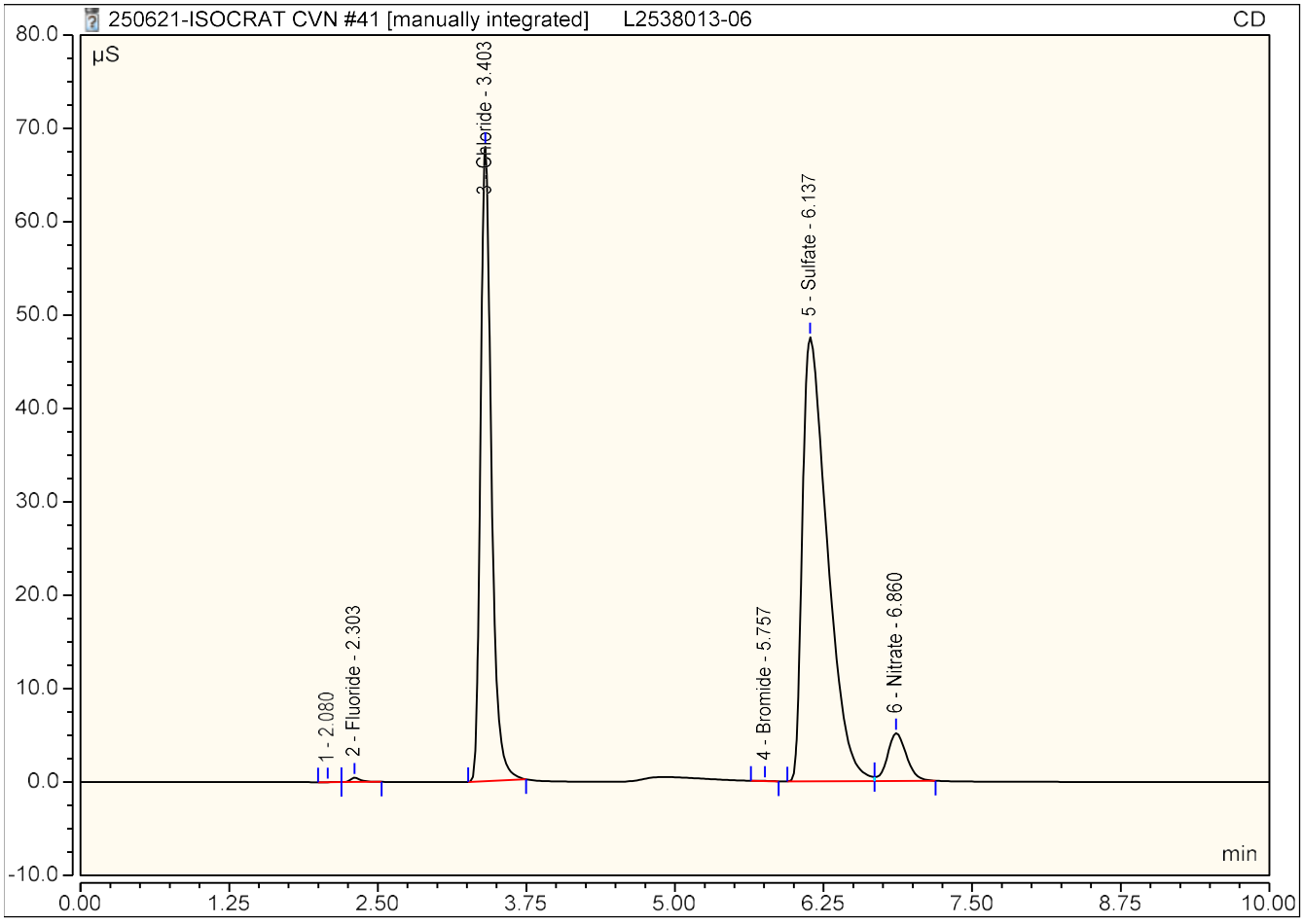
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.017	0.163	0.0578
3	3.40	**Chloride**	BMB	5.371	50.784	14.0056
4	5.74	**Bromide**	BMB	0.003	0.026	0.0621
5	6.17	**Sulfate**	BM *	9.858	42.223	33.2044
6	6.87	**Nitrate**	MB*	0.481	2.643	0.5316
TOTAL:				15.73	95.84	47.86



Peak Integration Report

Sample Name:	**L2538013-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:14**	*Run Time:*	**10.00**

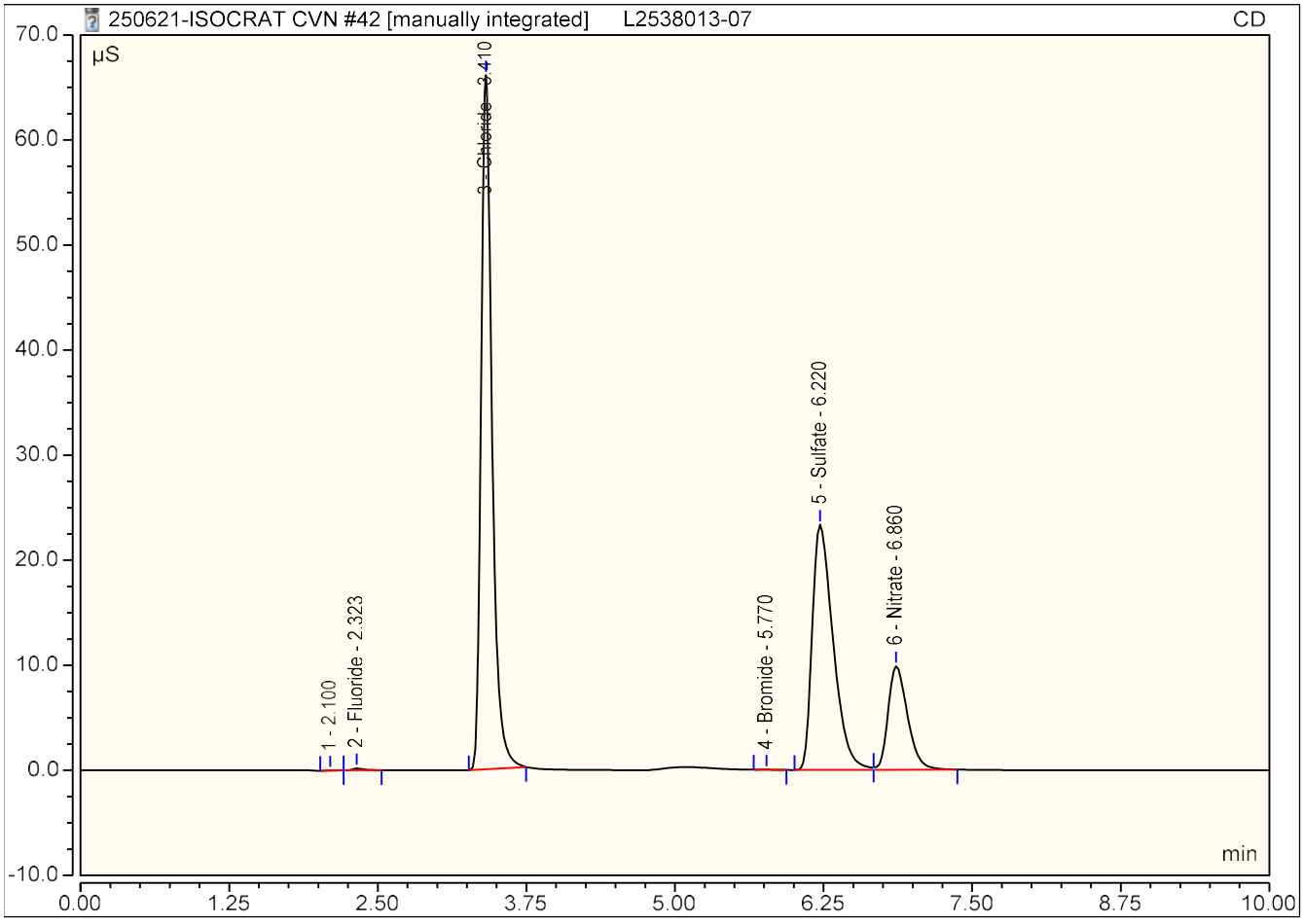
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.045	0.463	0.1091
3	3.40	**Chloride**	BMB	7.221	67.949	18.7948
4	5.76	**Bromide**	BMB	0.002	0.014	0.0494
5	6.14	**Sulfate**	BM *	11.561	47.559	38.8202
6	6.86	**Nitrate**	MB*	0.940	5.105	1.0142
TOTAL:				19.77	121.09	58.79



Peak Integration Report

Sample Name:	**L2538013-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:26**	*Run Time:*	**10.00**

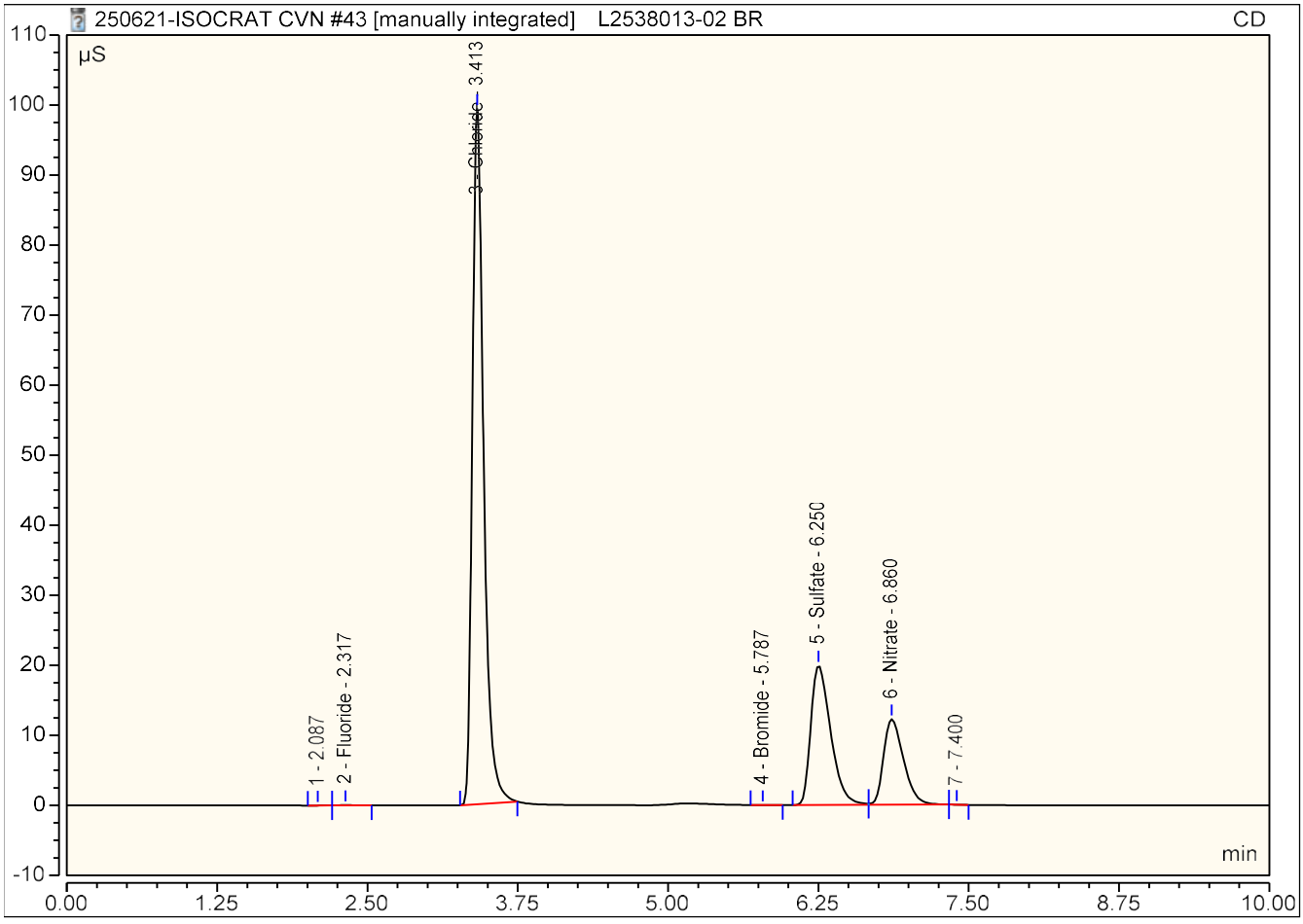
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.019	0.180	0.0606
3	3.41	**Chloride**	BMB	7.067	66.053	18.3979
4	5.77	**Bromide**	BMB	0.002	0.015	0.0522
5	6.22	**Sulfate**	BM *	4.768	23.339	16.4207
6	6.86	**Nitrate**	MB*	1.868	9.862	1.9888
TOTAL:				13.72	99.45	36.92



Peak Integration Report

Sample Name:	**L2538013-02 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:38**	*Run Time:*	**10.00**

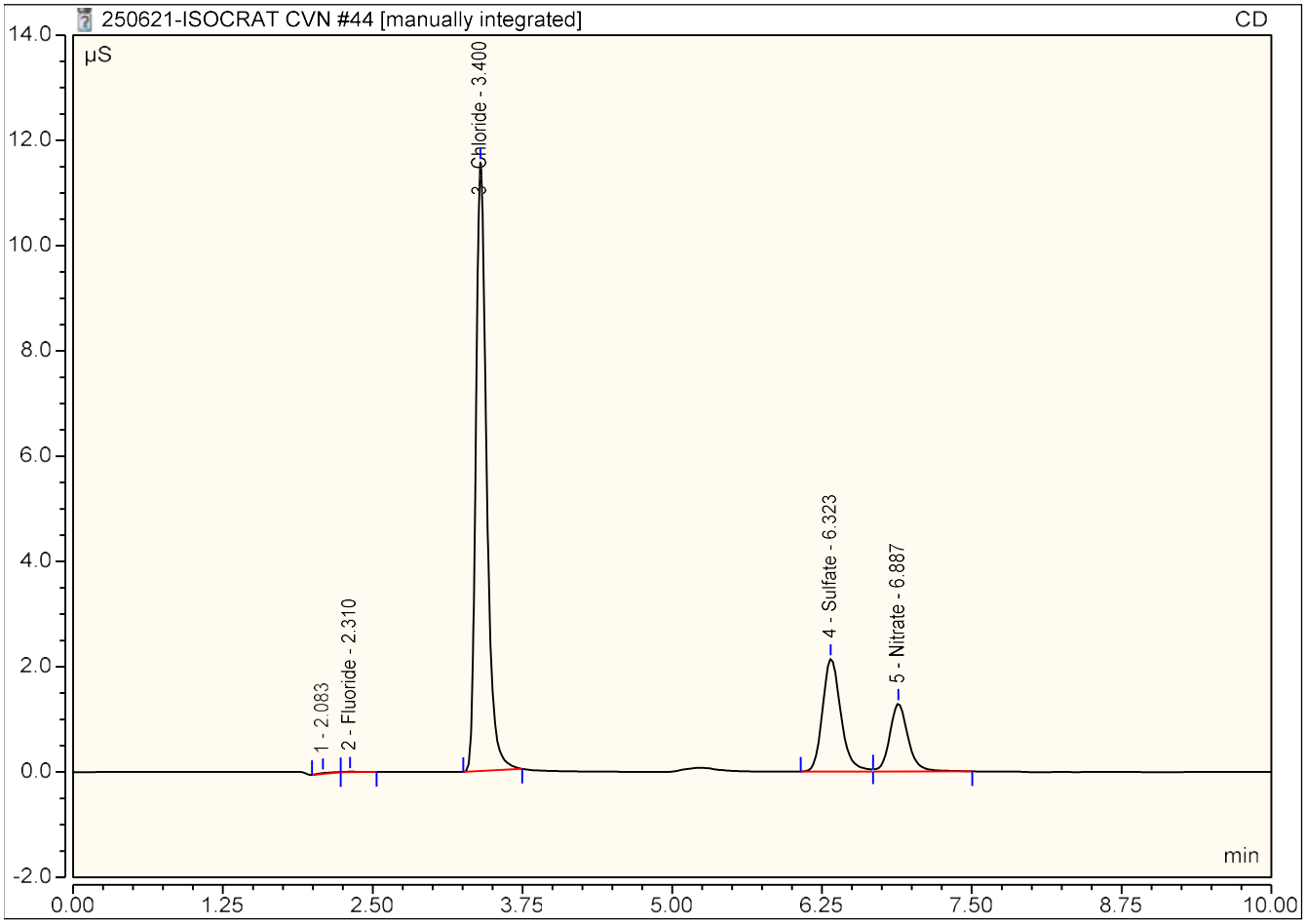
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.006	0.053	0.0382
3	3.41	**Chloride**	BMB	10.788	99.288	28.0326
4	5.79	**Bromide**	BMB	0.001	0.011	0.0470
5	6.25	**Sulfate**	BM *	3.822	19.934	13.3008
6	6.86	**Nitrate**	MB*	2.354	12.217	2.4999
TOTAL:				16.97	131.50	43.92



Peak Integration Report

Sample Name:	**XL2538013-02; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 16:50**	*Run Time:*	**10.00**

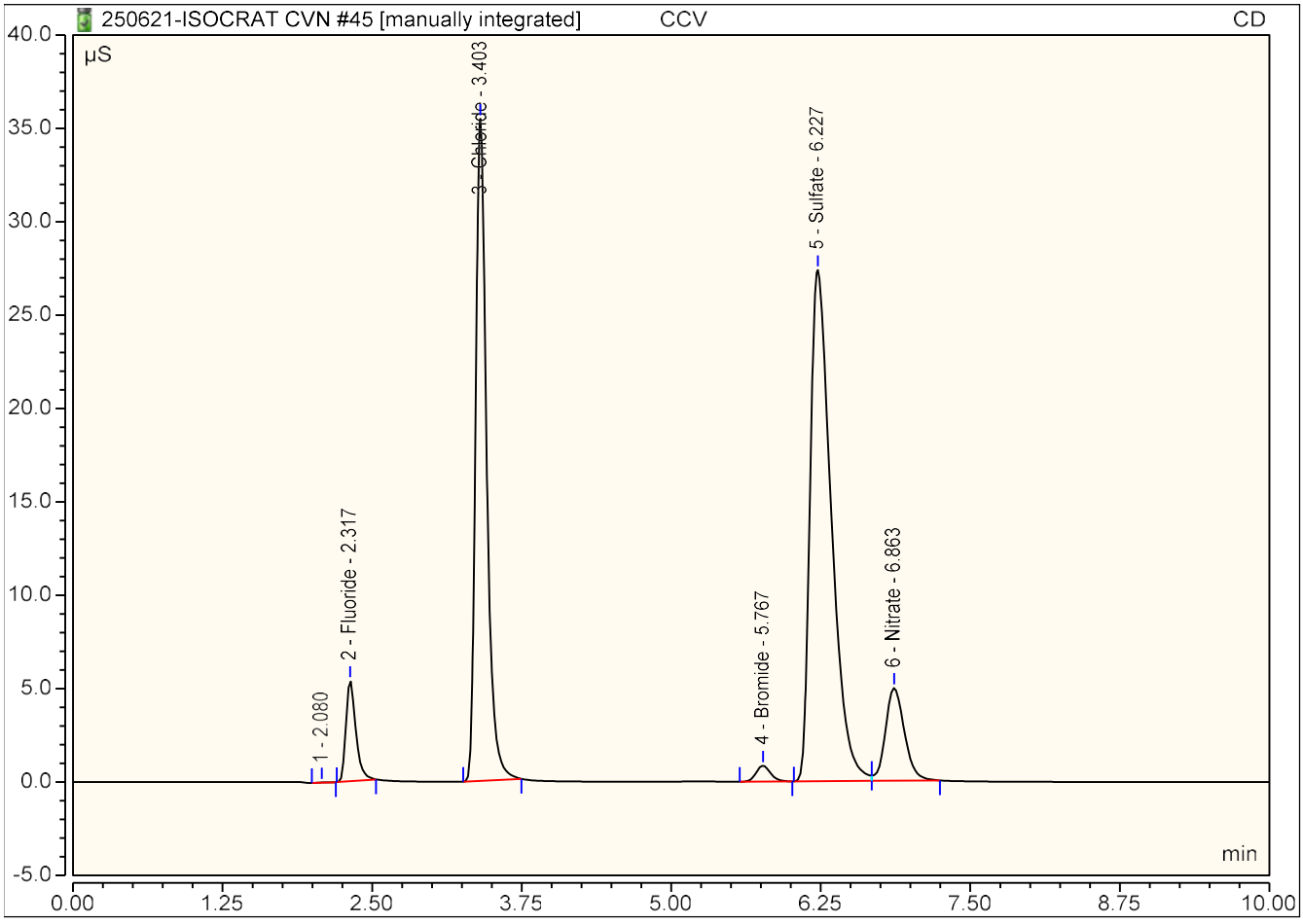
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.008	0.2931
3	3.40	**Chloride**	BMB	1.203	11.558	32.1030
4	6.32	**Sulfate**	BM *	0.380	2.141	19.5221
5	6.89	**Nitrate**	MB*	0.230	1.287	2.6807
TOTAL:				1.81	14.99	54.60



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:02**	*Run Time:*	**10.00**

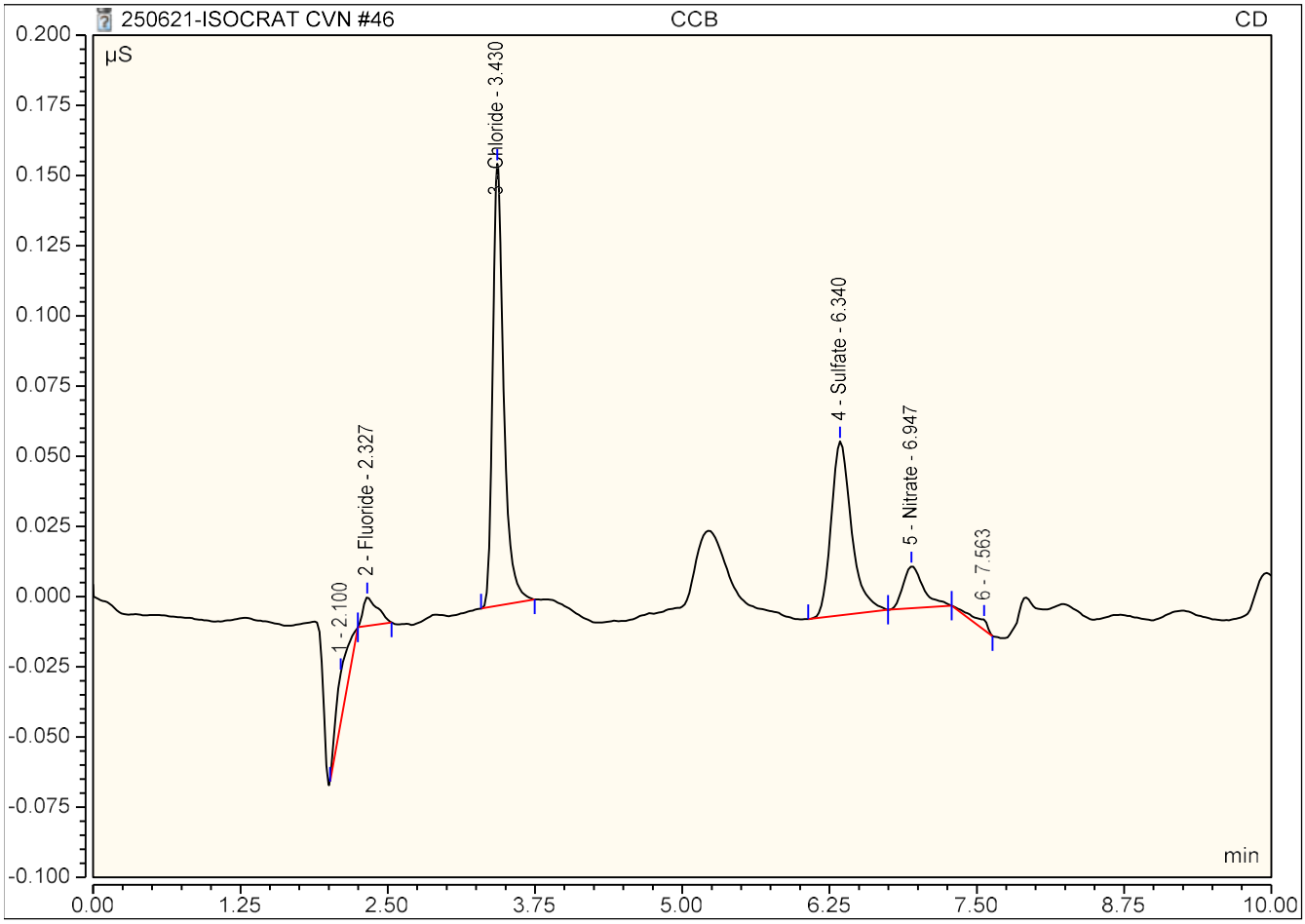
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.514	5.372	0.9533
3	3.40	**Chloride**	BMB	3.778	35.447	9.8805
4	5.77	**Bromide**	BMB	0.120	0.856	0.9297
5	6.23	**Sulfate**	BM *	5.620	27.369	19.2288
6	6.86	**Nitrate**	MB*	0.914	4.970	0.9865
TOTAL:				10.95	74.02	31.98



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:14**	*Run Time:*	**10.00**

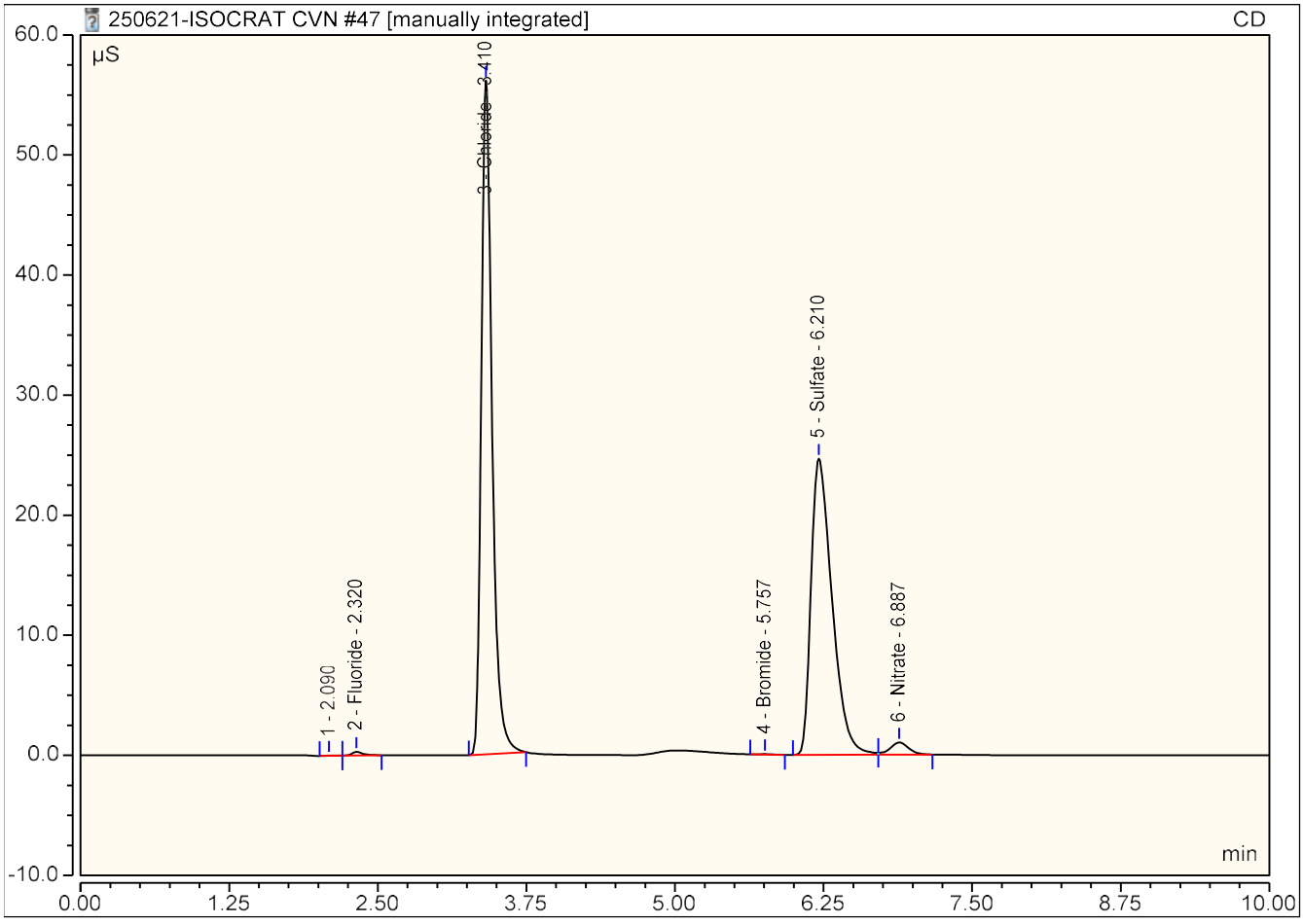
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.001	0.010	0.0299
3	3.43	**Chloride**	BMB	0.017	0.157	0.1396
4	6.34	**Sulfate**	BMB	0.012	0.062	0.7388
5	6.95	**Nitrate**	BMB	0.003	0.015	0.0300
TOTAL:				0.03	0.24	0.94



Peak Integration Report

Sample Name:	**L2536247-01 BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:26**	*Run Time:*	**10.00**

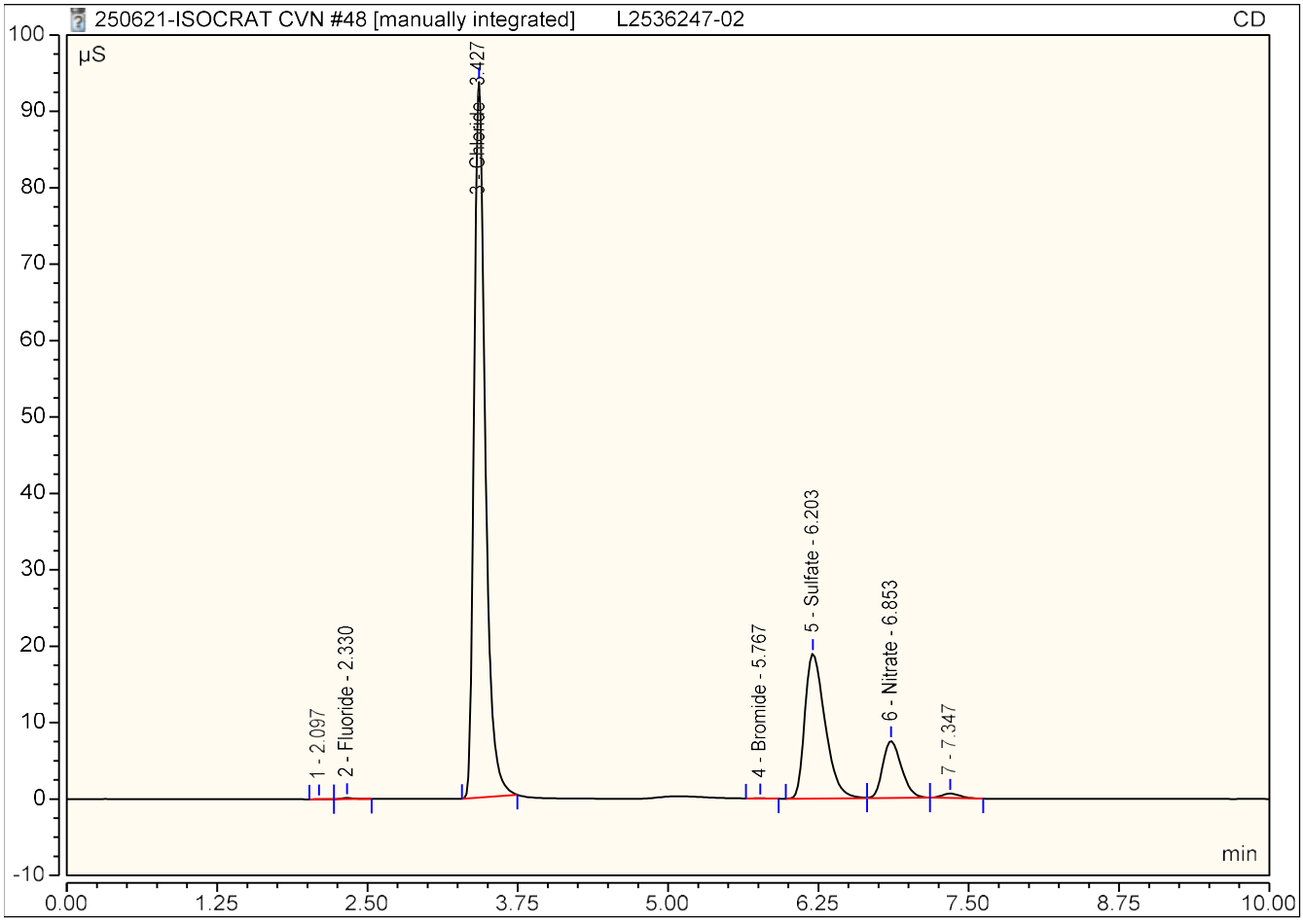
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.030	0.303	0.0814
3	3.41	**Chloride**	BMB	5.912	56.132	15.4058
4	5.76	**Bromide**	BMB	0.004	0.032	0.0687
5	6.21	**Sulfate**	BM *	5.052	24.662	17.3564
6	6.89	**Nitrate**	MB*	0.184	1.017	0.2202
TOTAL:				11.18	82.15	33.13



Peak Integration Report

Sample Name:	**L2536247-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:38**	*Run Time:*	**10.00**

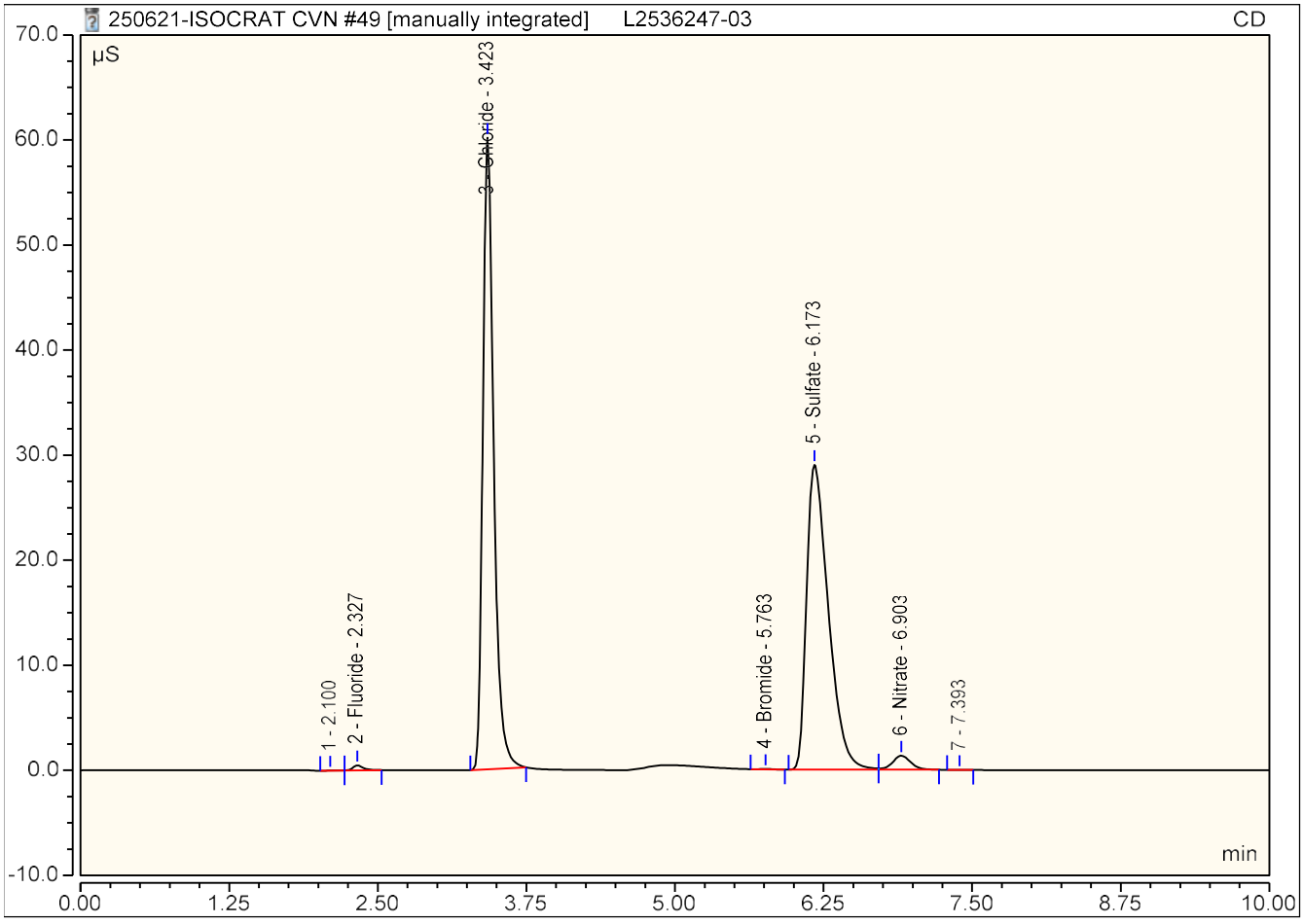
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.016	0.152	0.0553
3	3.43	**Chloride**	BMB	10.128	93.644	26.3240
4	5.77	**Bromide**	BMB	0.004	0.031	0.0670
5	6.20	**Sulfate**	BM *	3.690	18.951	12.8662
6	6.85	**Nitrate**	MB*	1.342	7.448	1.4369
TOTAL:				15.18	120.23	40.75



Peak Integration Report

Sample Name:	**L2536247-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 17:50**	*Run Time:*	**10.00**

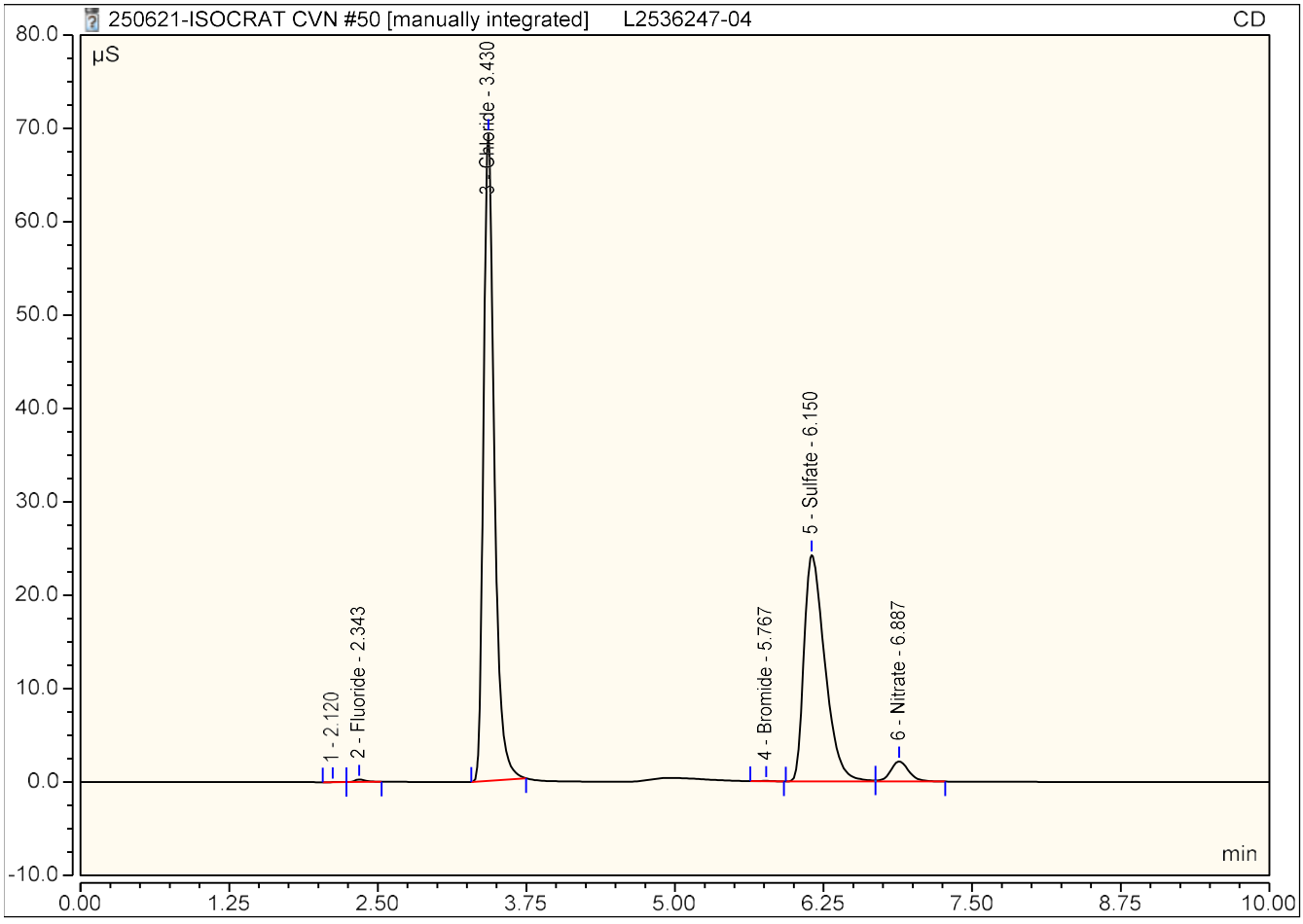
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.045	0.474	0.1090
3	3.42	**Chloride**	BMB	6.395	60.126	16.6557
4	5.76	**Bromide**	BMB	0.005	0.039	0.0766
5	6.17	**Sulfate**	BM *	6.167	29.012	21.0356
6	6.90	**Nitrate**	MB*	0.239	1.334	0.2775
TOTAL:				12.85	90.99	38.15



Peak Integration Report

Sample Name:	**L2536247-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:02**	*Run Time:*	**10.00**

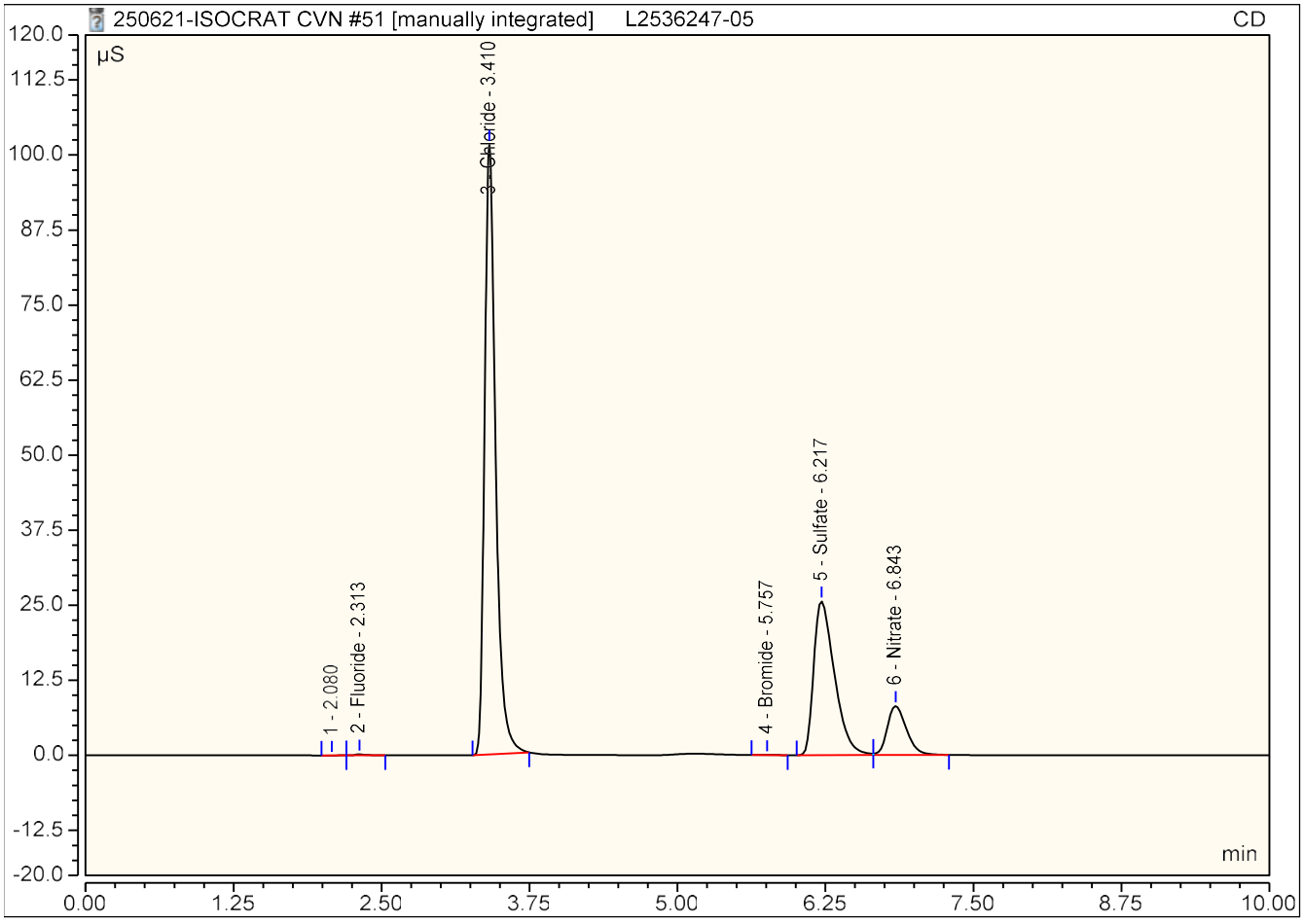
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.026	0.267	0.0742
3	3.43	**Chloride**	BMB	7.347	69.291	19.1217
4	5.77	**Bromide**	BMB	0.006	0.048	0.0833
5	6.15	**Sulfate**	BM *	4.952	24.235	17.0265
6	6.89	**Nitrate**	MB*	0.384	2.163	0.4304
TOTAL:				12.71	96.00	36.74



Peak Integration Report

Sample Name:	**L2536247-05**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:14**	*Run Time:*	**10.00**

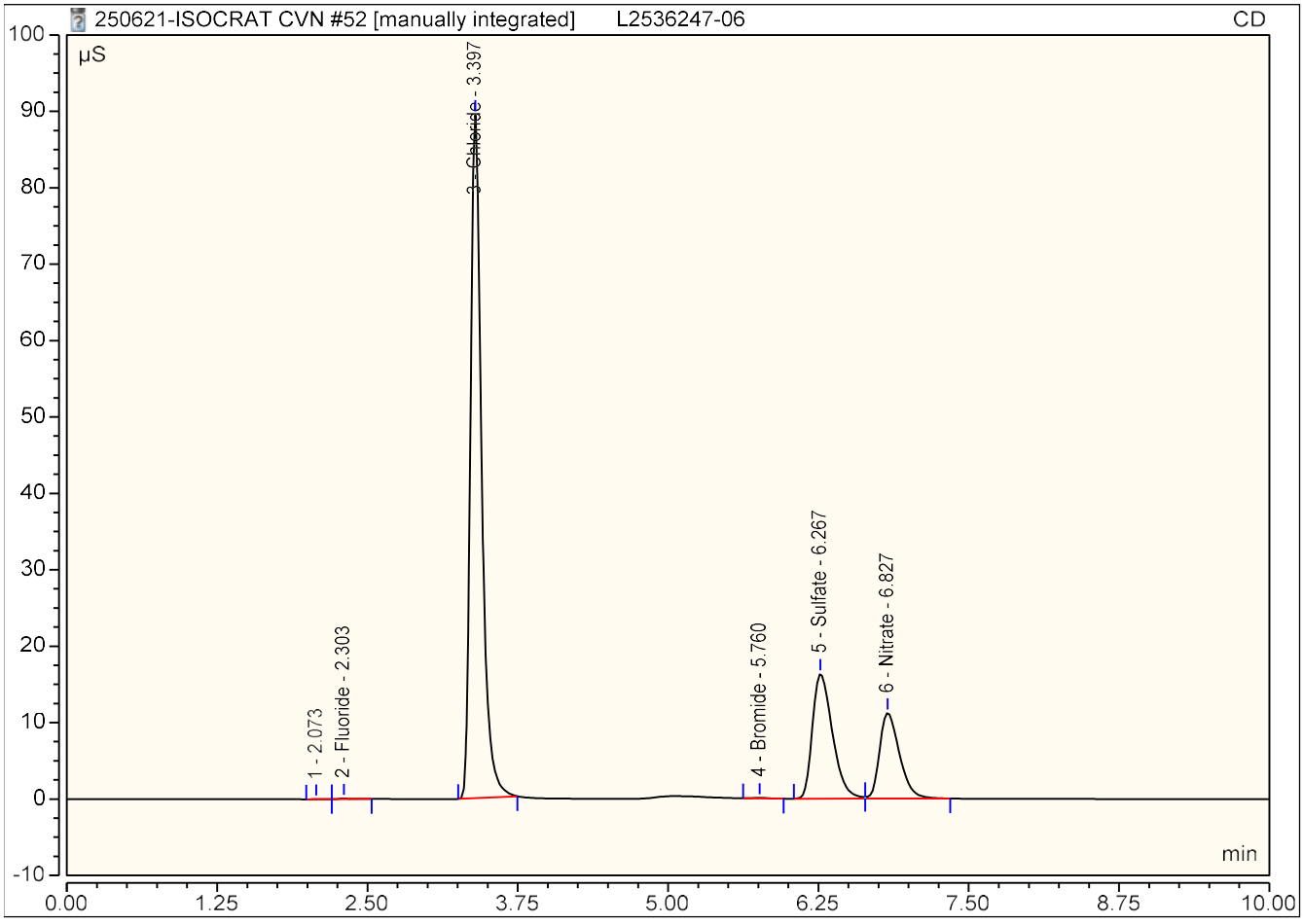
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.016	0.159	0.0569
3	3.41	**Chloride**	BMB	10.928	101.583	28.3957
4	5.76	**Bromide**	BMB	0.005	0.034	0.0709
5	6.22	**Sulfate**	BM *	5.217	25.635	17.9017
6	6.84	**Nitrate**	MB*	1.530	8.171	1.6336
TOTAL:				17.70	135.58	48.06



Peak Integration Report

Sample Name:	**L2536247-06**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:27**	*Run Time:*	**10.00**

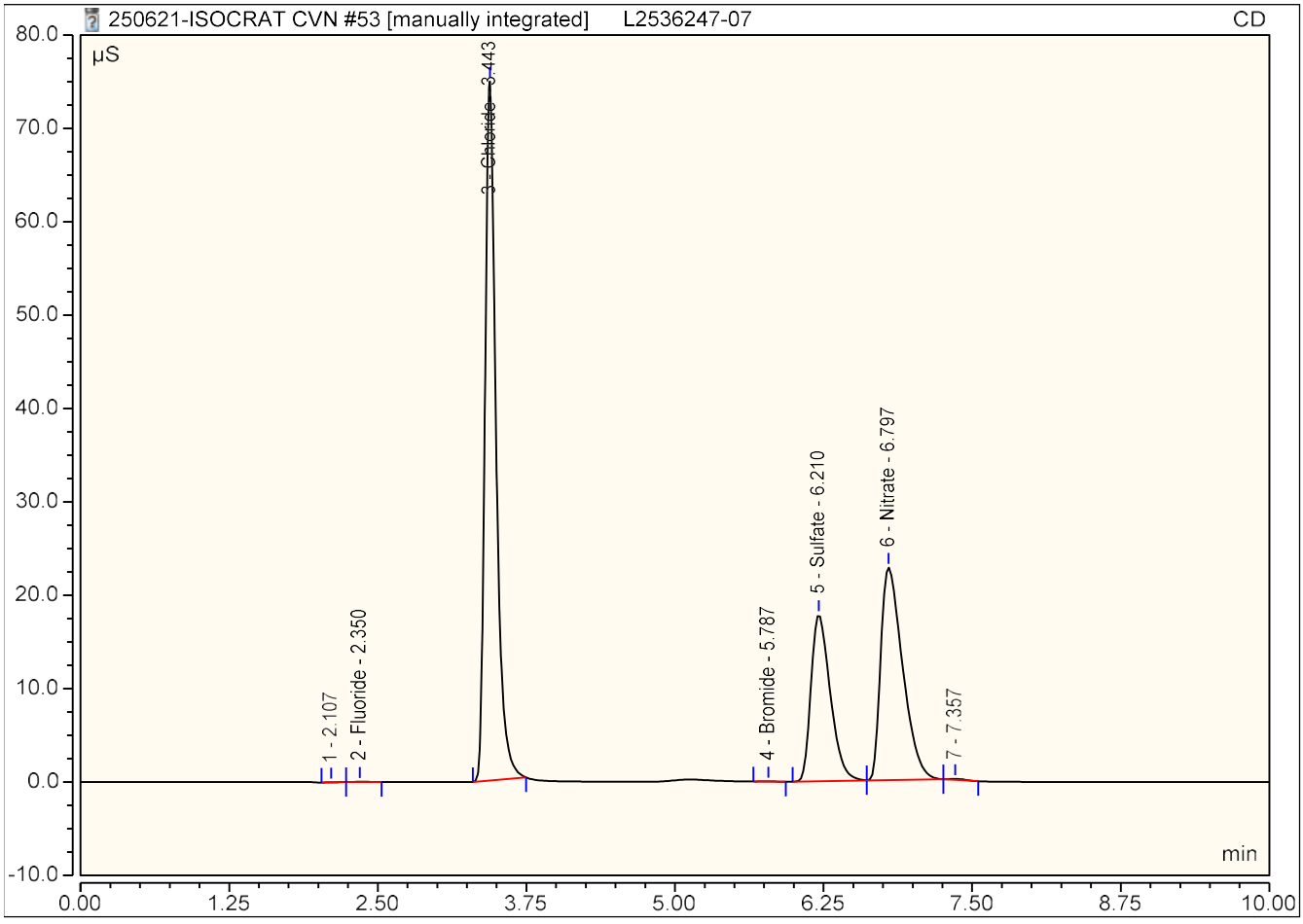
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.008	0.066	0.0409
3	3.40	**Chloride**	BMB	9.582	89.431	24.9094
4	5.76	**Bromide**	BMB	0.010	0.070	0.1080
5	6.27	**Sulfate**	BM *	3.151	16.334	11.0893
6	6.83	**Nitrate**	MB*	2.148	11.198	2.2832
TOTAL:				14.90	117.10	38.43



Peak Integration Report

Sample Name:	**L2536247-07**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:39**	*Run Time:*	**10.00**

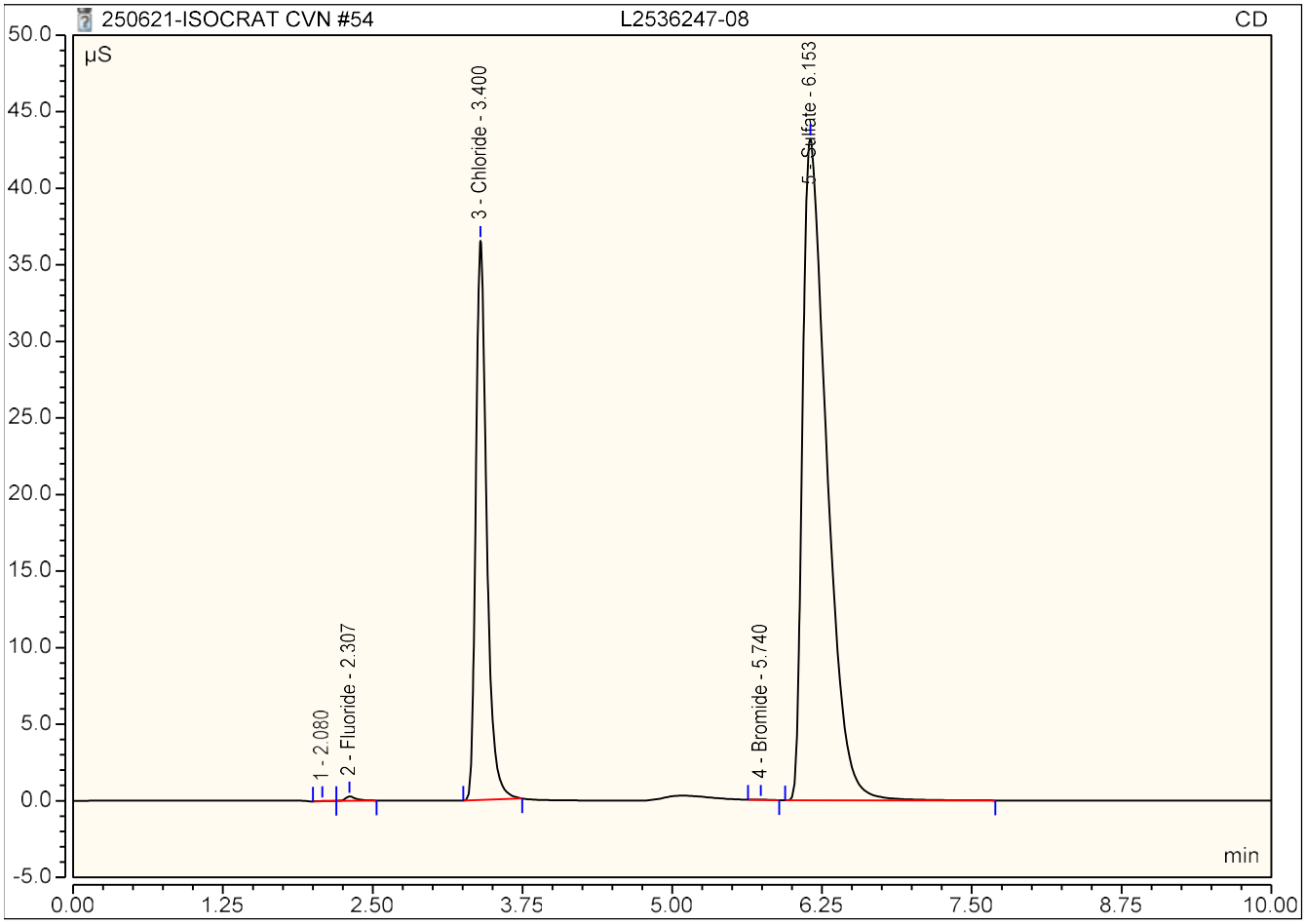
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.35	**Fluoride**	BMB	0.005	0.046	0.0366
3	3.44	**Chloride**	BMB	8.086	74.853	21.0346
4	5.79	**Bromide**	BMB	0.003	0.027	0.0633
5	6.21	**Sulfate**	BM *	3.364	17.837	11.7904
6	6.80	**Nitrate**	MB*	4.865	22.777	5.1374
TOTAL:				16.32	115.54	38.06



Peak Integration Report

Sample Name:	**L2536247-08**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 18:51**	*Run Time:*	**10.00**

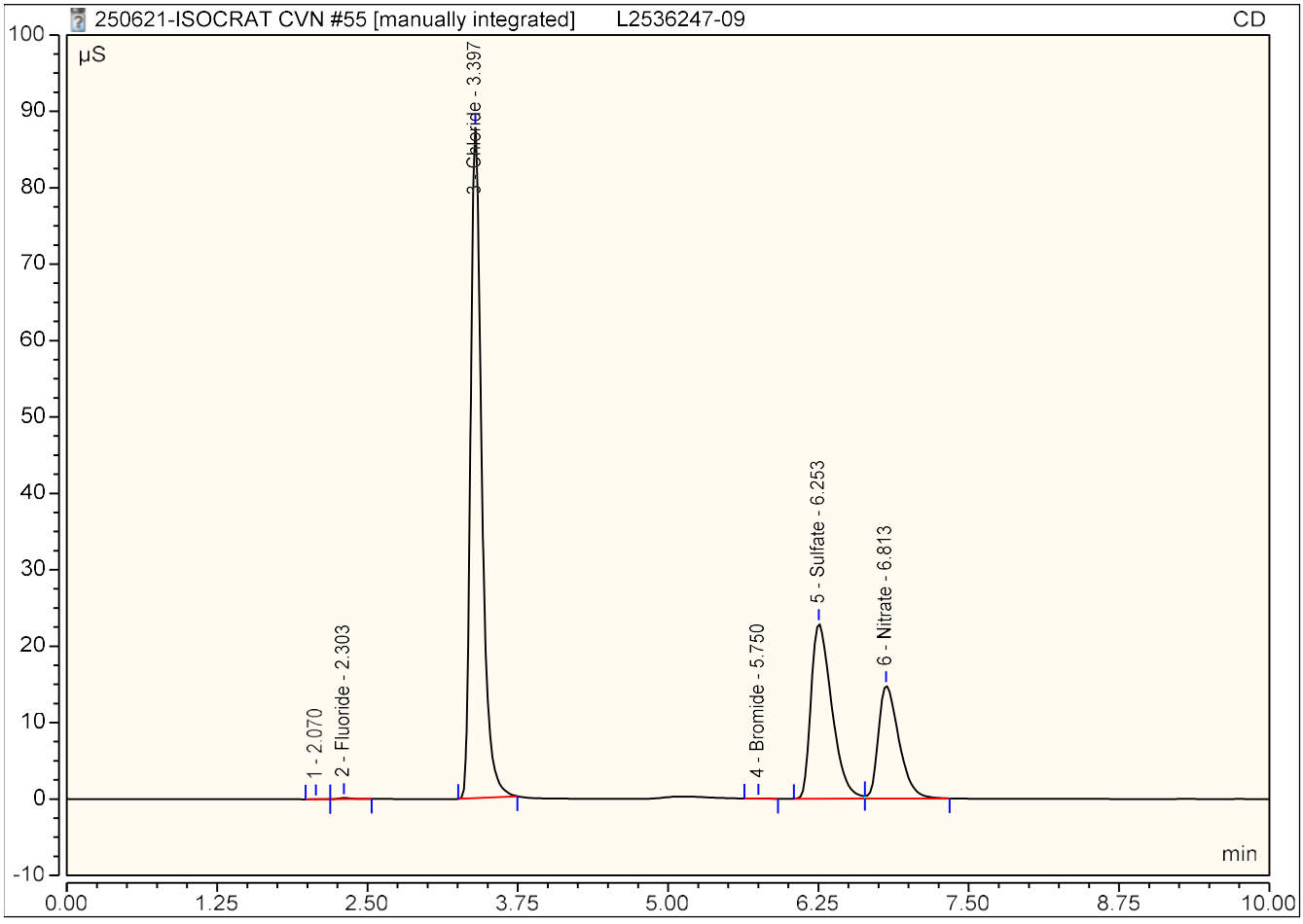
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.028	0.286	0.0783
3	3.40	**Chloride**	BMB	3.856	36.521	10.0824
4	5.74	**Bromide**	BMB	0.002	0.018	0.0548
5	6.15	**Sulfate**	BMB	10.105	43.194	34.0199
TOTAL:				13.99	80.02	44.24



Peak Integration Report

Sample Name:	**L2536247-09**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:03**	*Run Time:*	**10.00**

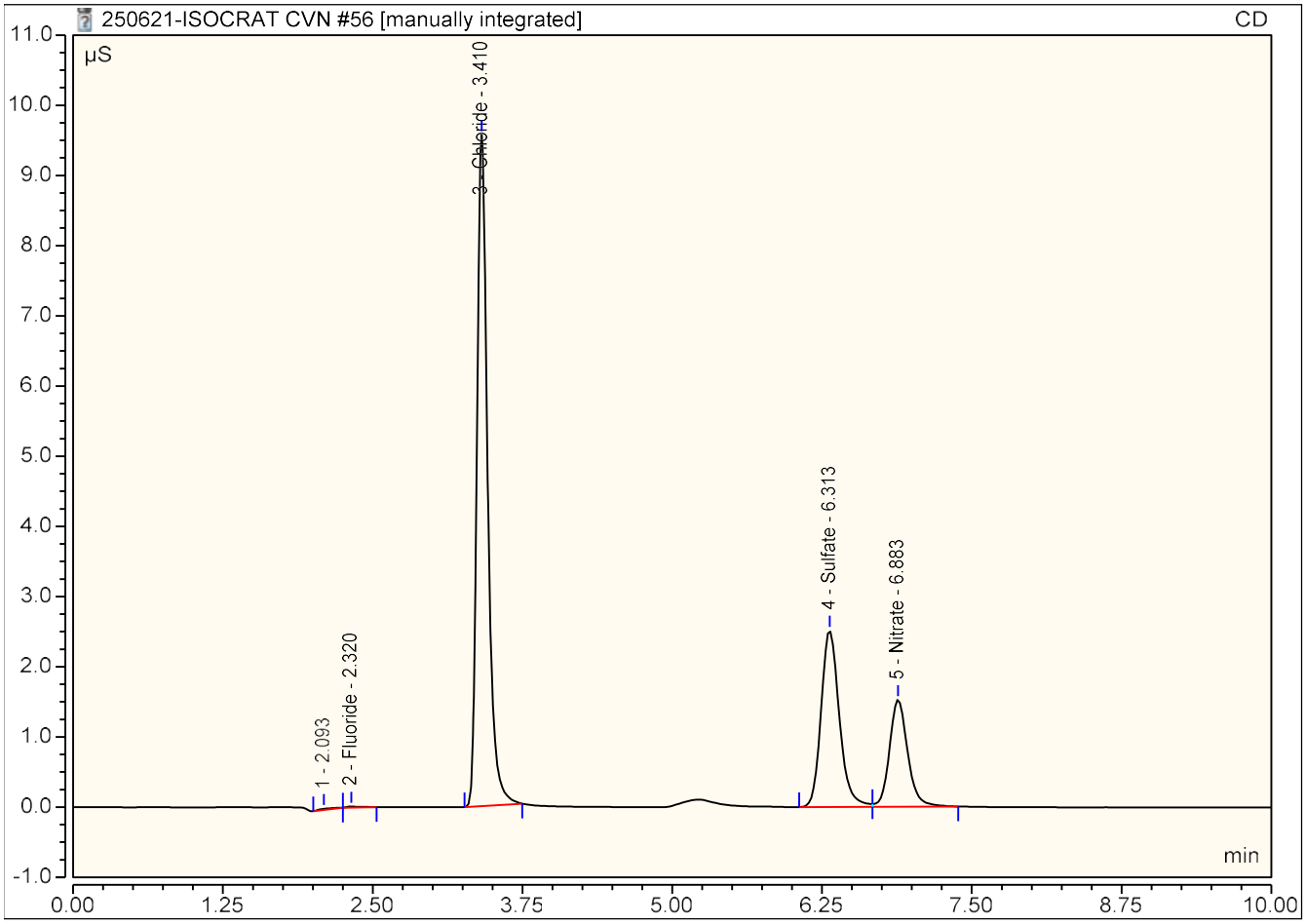
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.016	0.157	0.0567
3	3.40	**Chloride**	BMB	9.450	87.758	24.5676
4	5.75	**Bromide**	BMB	0.003	0.023	0.0590
5	6.25	**Sulfate**	BM *	4.585	22.889	15.8165
6	6.81	**Nitrate**	MB*	2.933	14.753	3.1075
TOTAL:				16.99	125.58	43.61



Peak Integration Report

Sample Name:	**XL2536247-09; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:15**	*Run Time:*	**10.00**

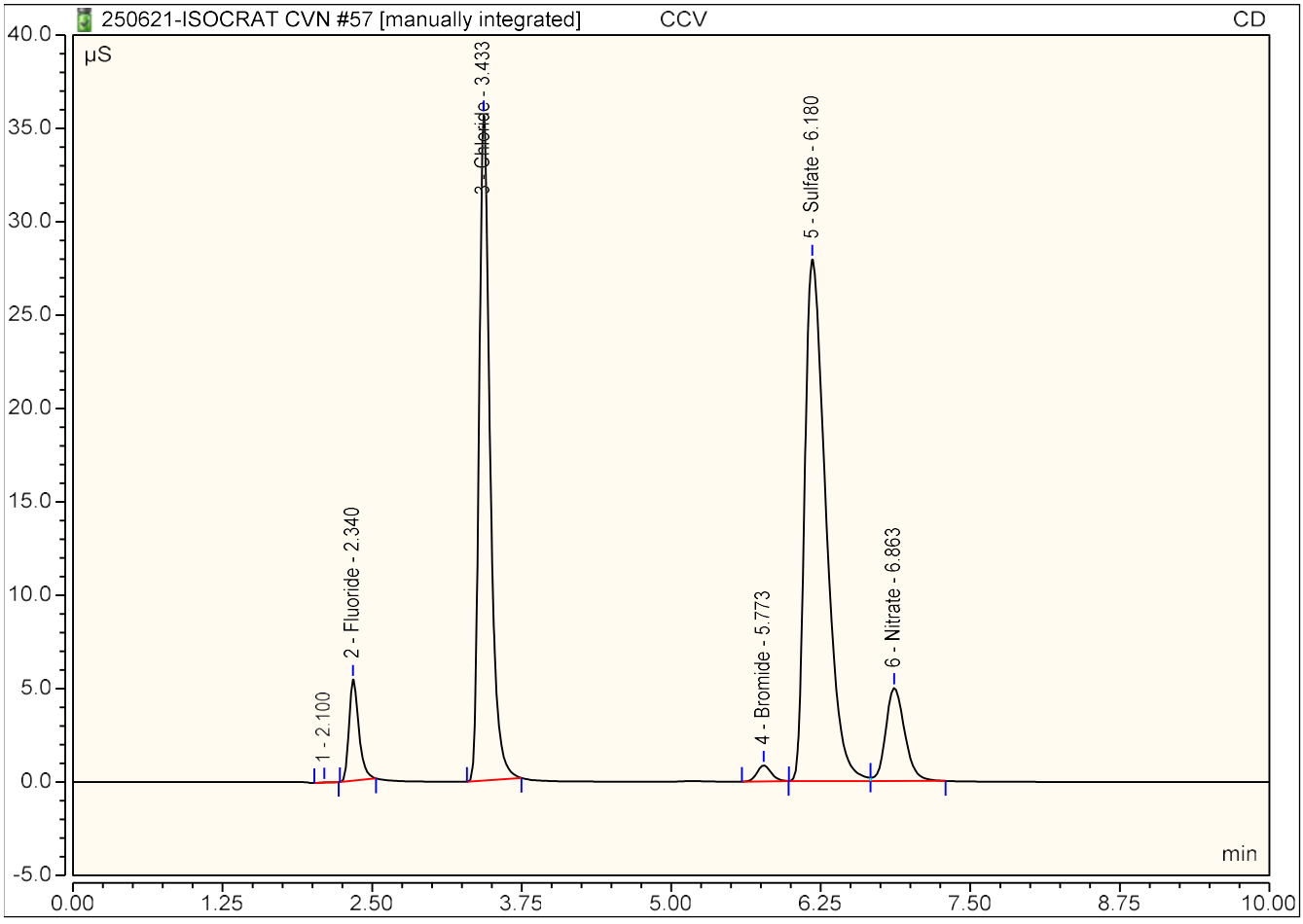
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.002	0.016	0.3110
3	3.41	**Chloride**	BMB	0.988	9.563	26.5483
4	6.31	**Sulfate**	BM *	0.443	2.515	21.5857
5	6.88	**Nitrate**	MB*	0.269	1.523	3.0927
TOTAL:				1.70	13.62	51.54



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:27**	*Run Time:*	**10.00**

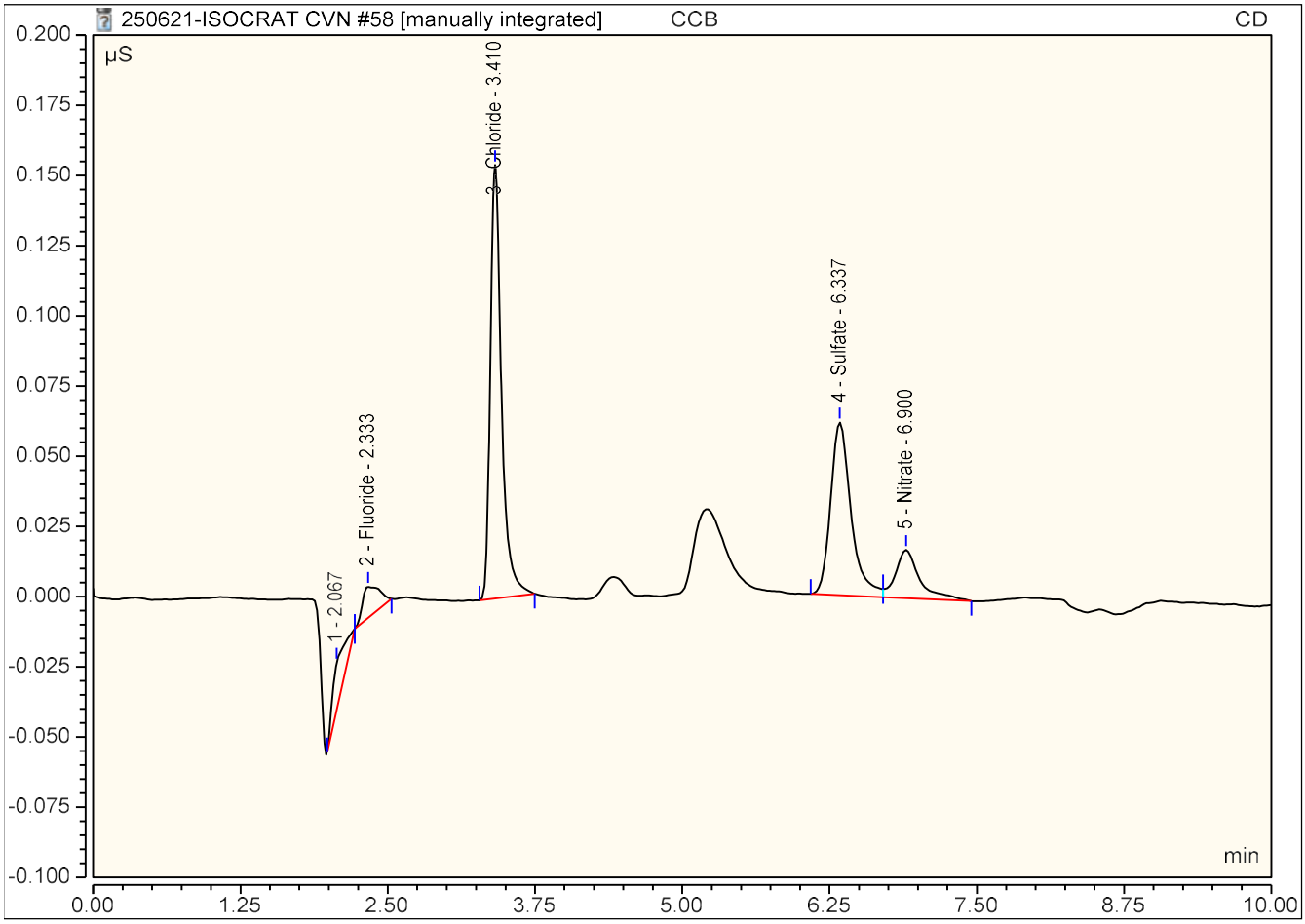
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.515	5.416	0.9555
3	3.43	**Chloride**	BMB	3.808	35.632	9.9566
4	5.77	**Bromide**	BMB	0.117	0.855	0.9065
5	6.18	**Sulfate**	BM *	5.687	27.927	19.4505
6	6.86	**Nitrate**	MB*	0.917	4.987	0.9903
TOTAL:				11.04	74.82	32.26



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:39**	*Run Time:*	**10.00**

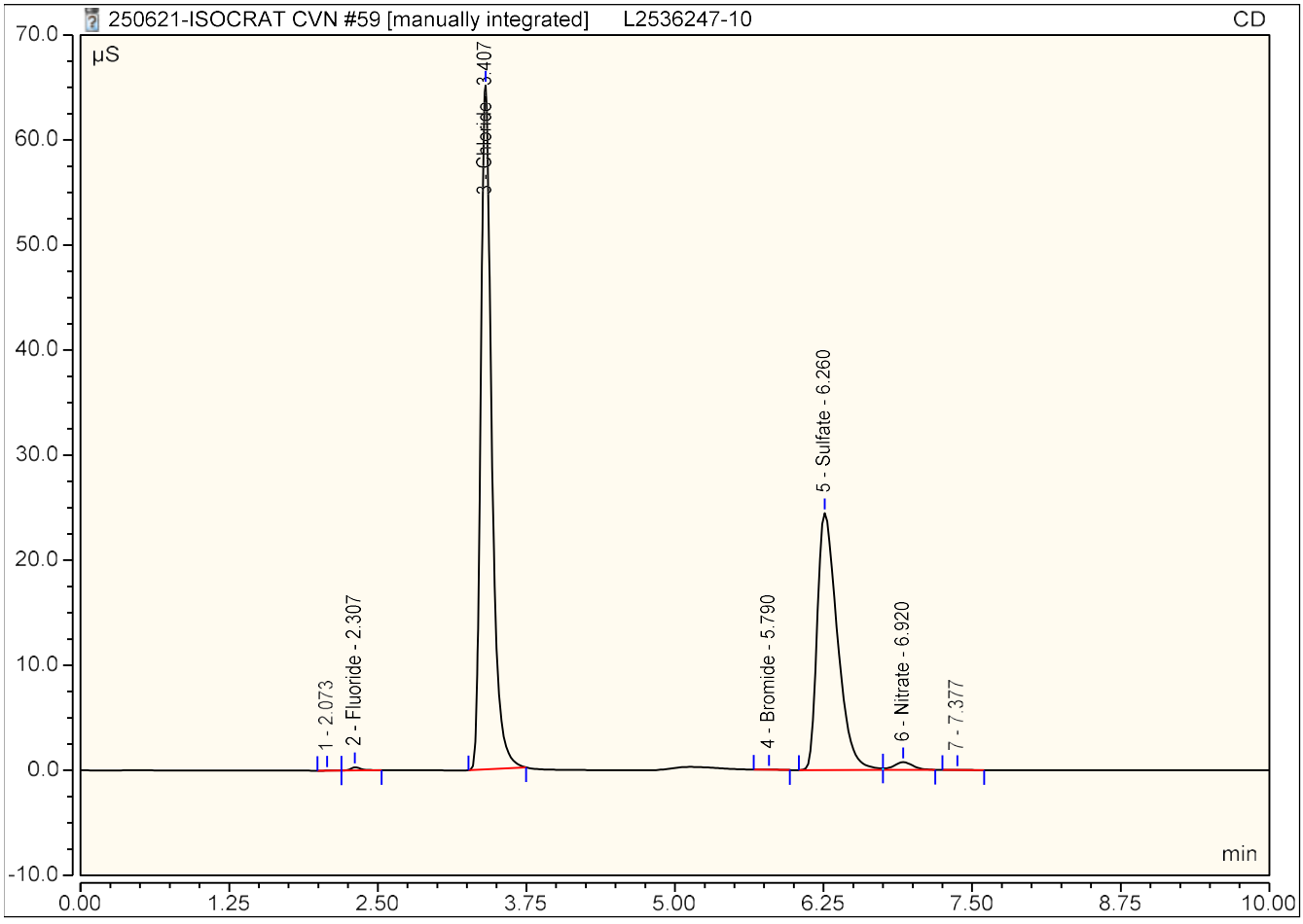
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.002	0.011	0.0306
3	3.41	**Chloride**	BMB	0.017	0.154	0.1390
4	6.34	**Sulfate**	BM *	0.012	0.062	0.7387
5	6.90	**Nitrate**	MB*	0.004	0.017	0.0311
TOTAL:				0.04	0.24	0.94



Peak Integration Report

Sample Name:	**L2536247-10**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 19:51**	*Run Time:*	**10.00**

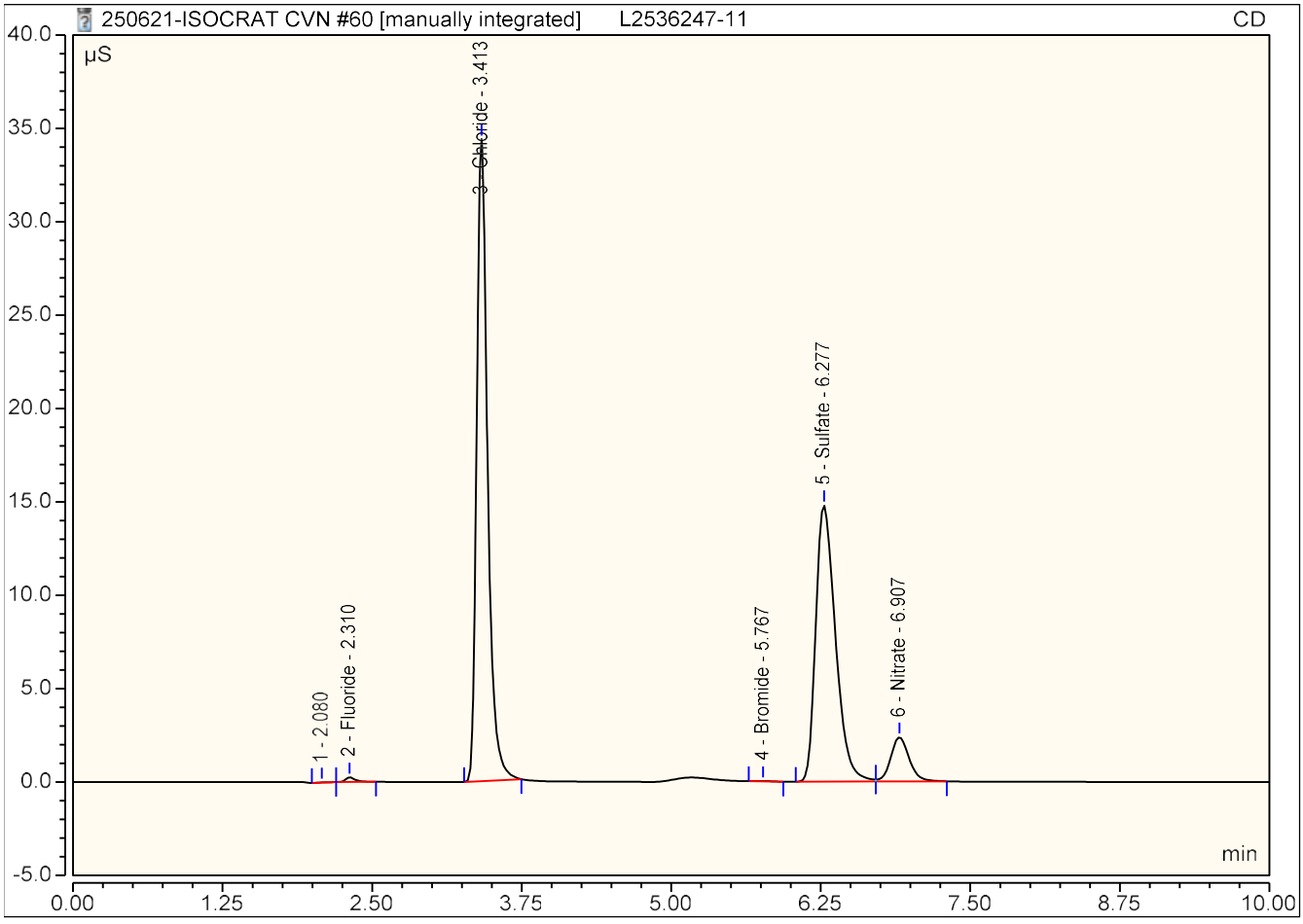
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.030	0.306	0.0807
3	3.41	**Chloride**	BMB	6.996	65.104	18.2126
4	5.79	**Bromide**	BMB	0.004	0.034	0.0707
5	6.26	**Sulfate**	BM *	4.803	24.453	16.5353
6	6.92	**Nitrate**	MB*	0.136	0.740	0.1696
TOTAL:				11.97	90.64	35.07



Peak Integration Report

Sample Name:	**L2536247-11**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:03**	*Run Time:*	**10.00**

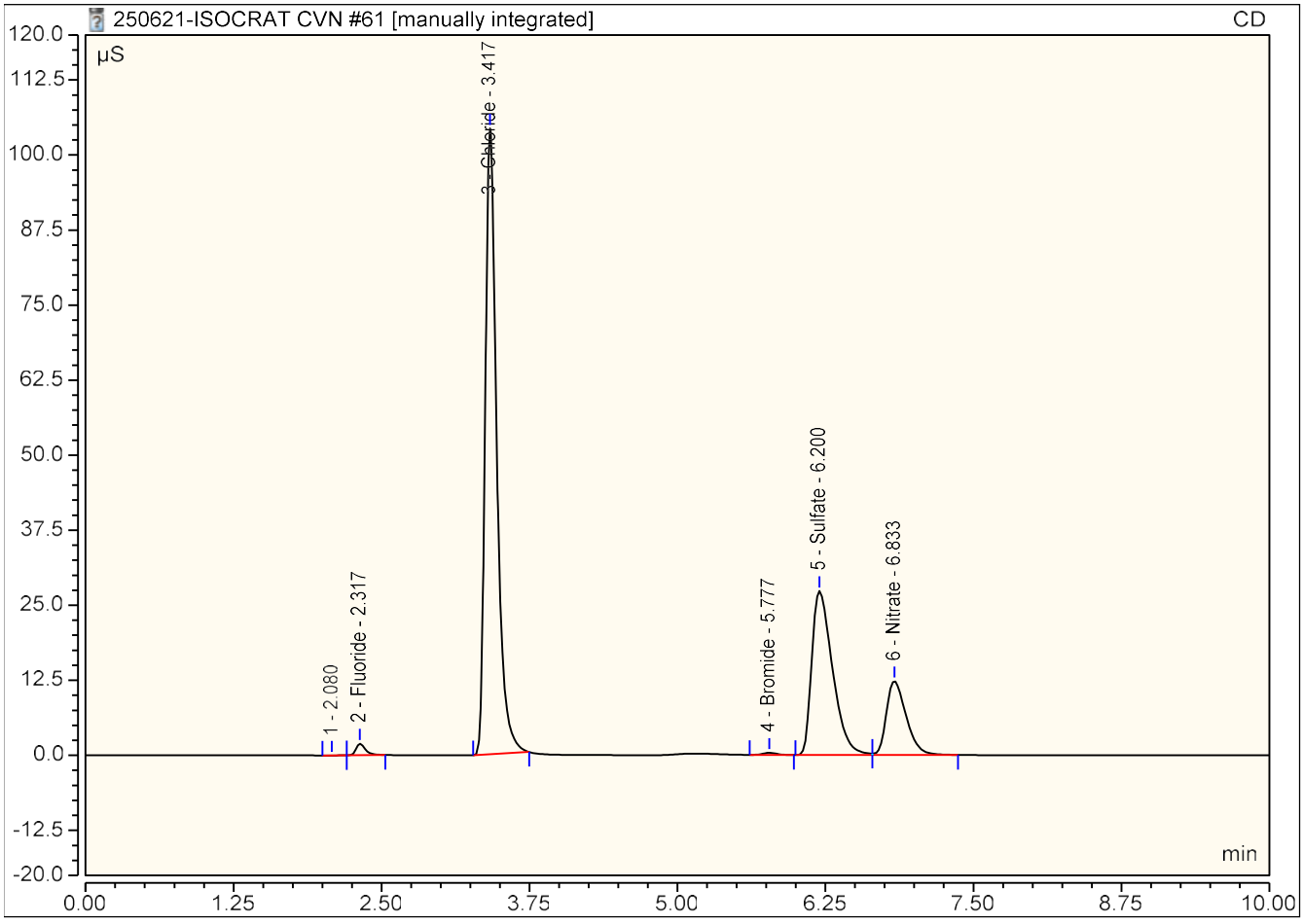
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.025	0.252	0.0719
3	3.41	**Chloride**	BMB	3.634	34.374	9.5065
4	5.77	**Bromide**	BMB	0.002	0.018	0.0553
5	6.28	**Sulfate**	BM *	2.824	14.806	10.0117
6	6.91	**Nitrate**	MB*	0.425	2.366	0.4730
TOTAL:				6.91	51.81	20.12



Peak Integration Report

Sample Name:	**L2536247-12 MS**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:15**	*Run Time:*	**10.00**

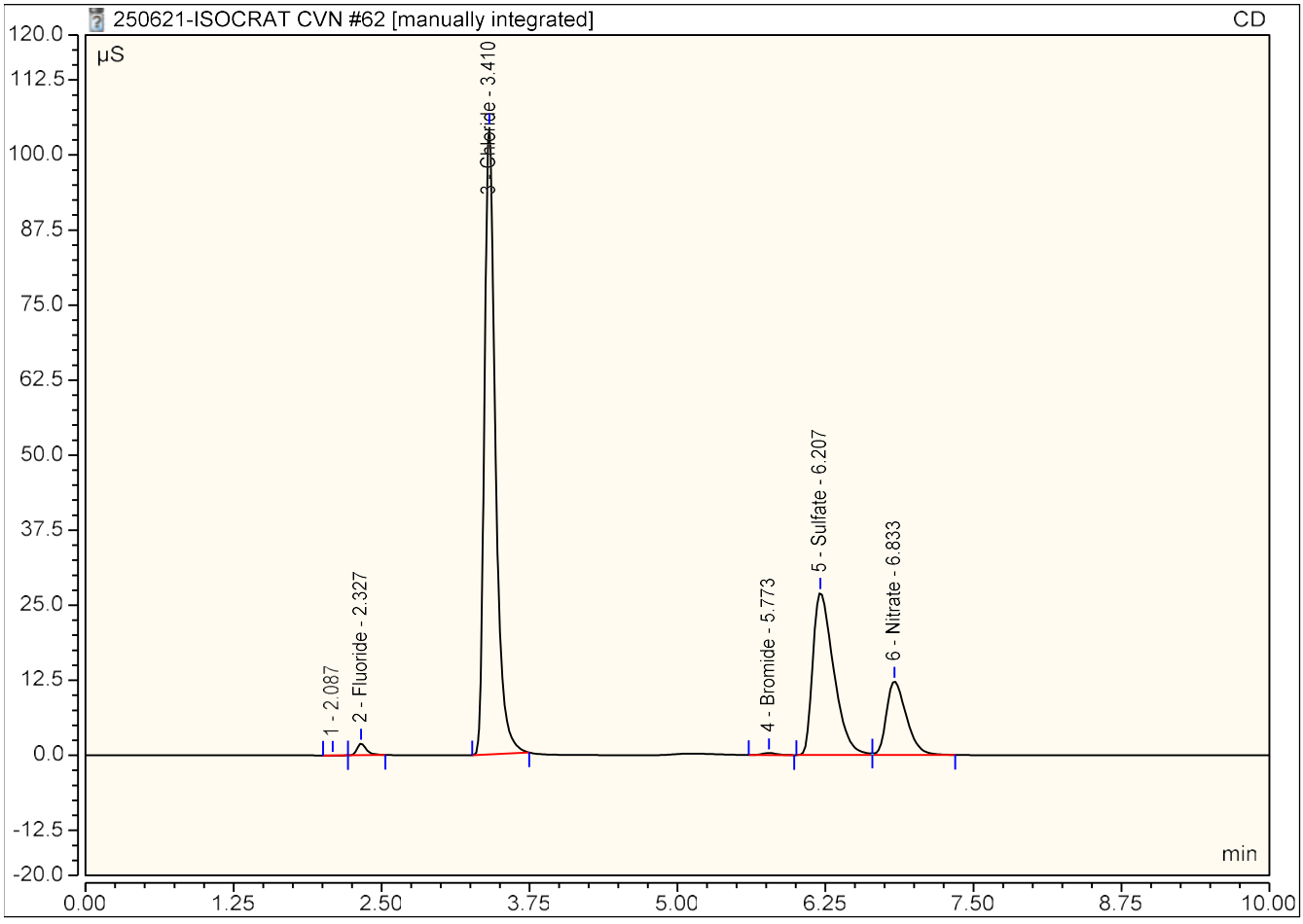
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.179	1.944	0.3506
3	3.42	**Chloride**	BMB	11.727	104.228	30.4643
4	5.78	**Bromide**	BMB	0.049	0.359	0.4020
5	6.20	**Sulfate**	BM *	5.565	27.314	19.0476
6	6.83	**Nitrate**	MB*	2.390	12.294	2.5373
TOTAL:				19.91	146.14	52.80



Peak Integration Report

Sample Name:	**L2536247-12 MSD**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:27**	*Run Time:*	**10.00**

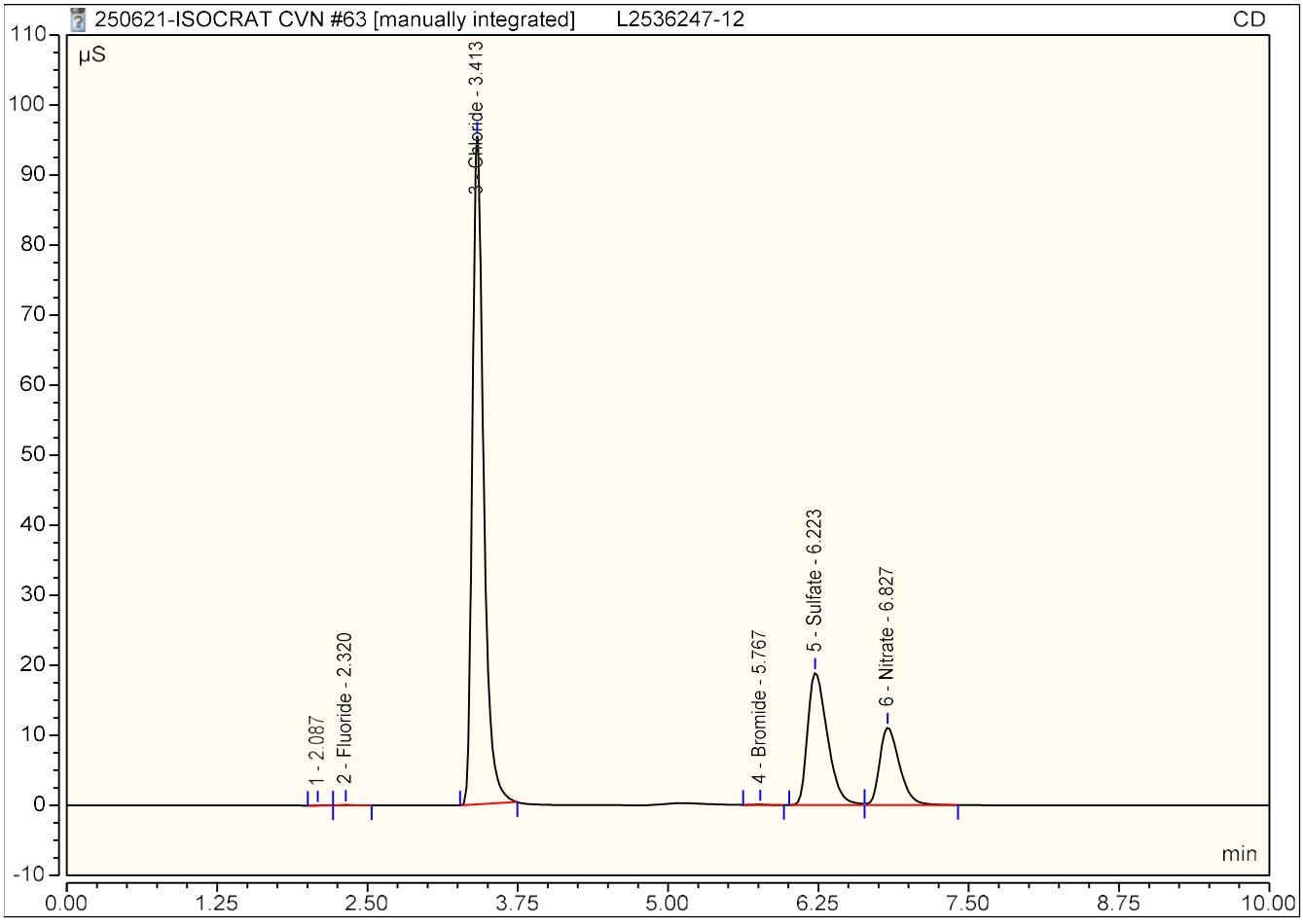
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.179	1.960	0.3499
3	3.41	**Chloride**	BMB	11.319	104.370	29.4076
4	5.77	**Bromide**	BMB	0.048	0.345	0.3960
5	6.21	**Sulfate**	BM *	5.554	27.060	19.0135
6	6.83	**Nitrate**	MB*	2.395	12.264	2.5423
TOTAL:				19.49	146.00	51.71



Peak Integration Report

Sample Name:	**L2536247-12**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:39**	*Run Time:*	**10.00**

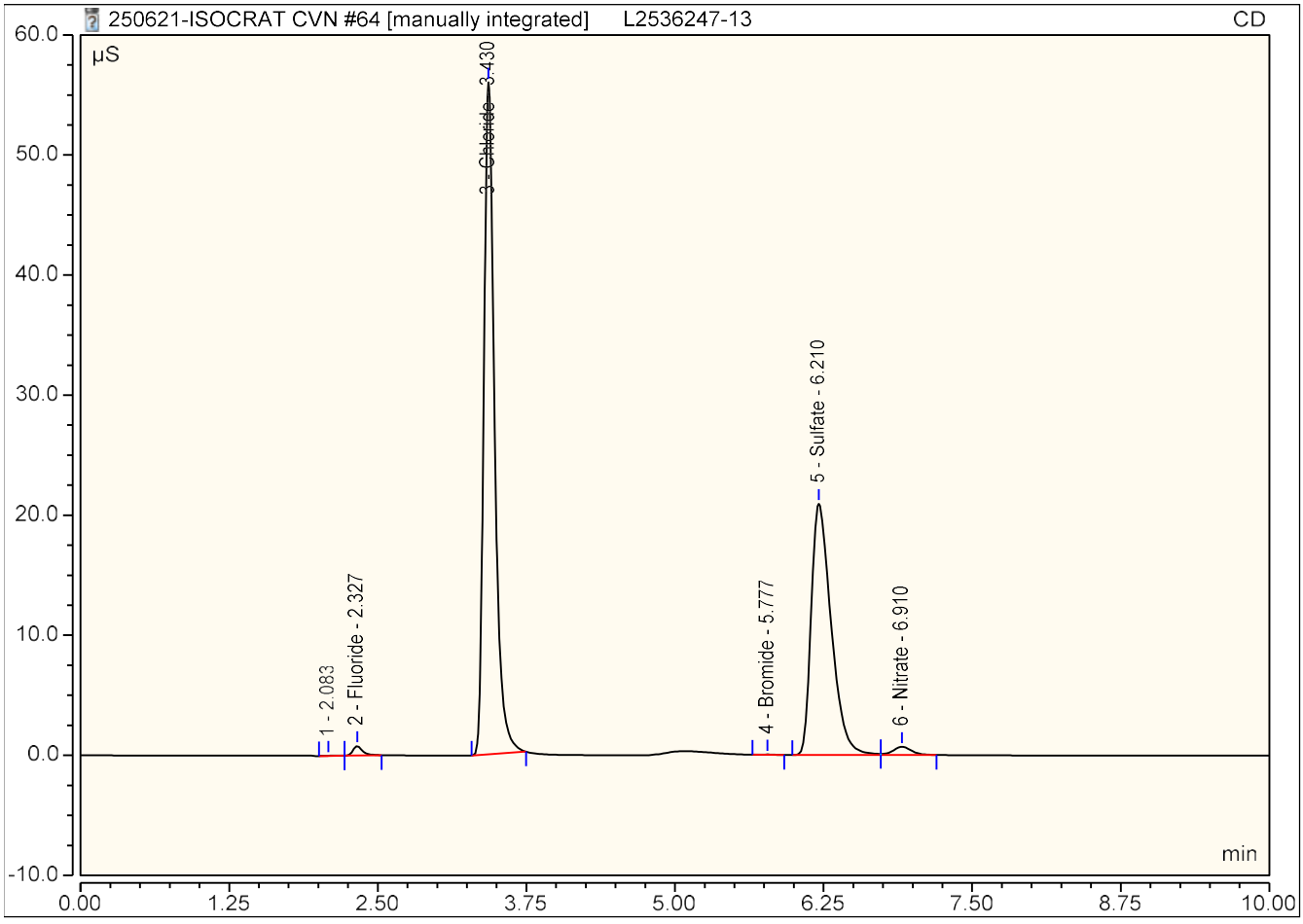
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.009	0.085	0.0435
3	3.41	**Chloride**	BMB	10.304	95.348	26.7799
4	5.77	**Bromide**	BMB	0.010	0.071	0.1082
5	6.22	**Sulfate**	BM *	3.606	18.908	12.5895
6	6.83	**Nitrate**	MB*	2.113	11.083	2.2467
TOTAL:				16.04	125.50	41.77



Peak Integration Report

Sample Name:	**L2536247-13**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 20:52**	*Run Time:*	**10.00**

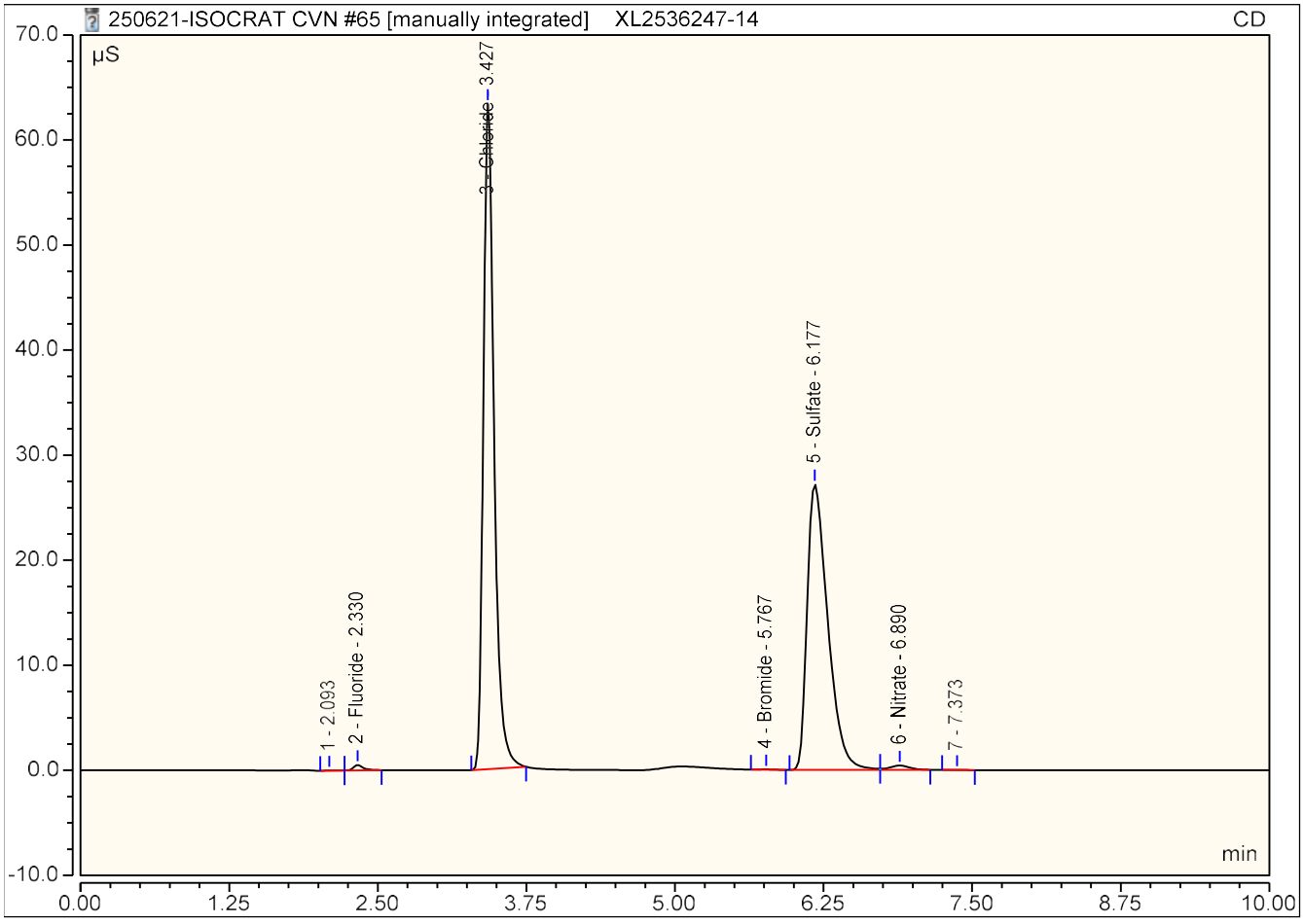
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.072	0.791	0.1569
3	3.43	**Chloride**	BMB	5.867	55.965	15.2884
4	5.78	**Bromide**	BMB	0.004	0.030	0.0656
5	6.21	**Sulfate**	BM *	4.082	20.932	14.1601
6	6.91	**Nitrate**	MB*	0.124	0.688	0.1576
TOTAL:				10.15	78.41	29.83



Peak Integration Report

Sample Name:	**XL2536247-14**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:04**	*Run Time:*	**10.00**

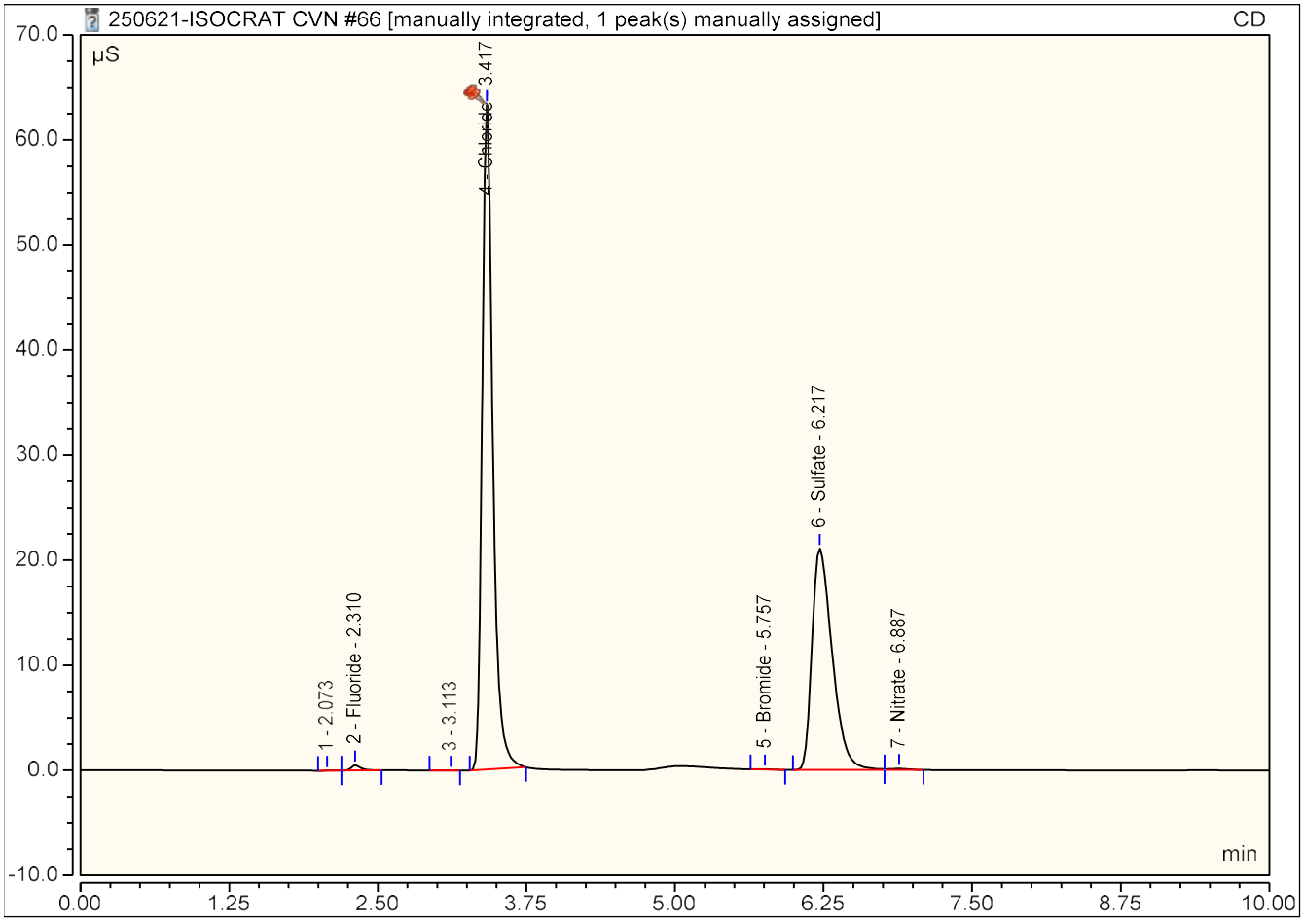
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.047	0.521	0.1128
3	3.43	**Chloride**	BMB	6.629	63.336	17.2635
4	5.77	**Bromide**	BMB	0.005	0.035	0.0710
5	6.18	**Sulfate**	BM *	5.467	27.187	18.7273
6	6.89	**Nitrate**	MB*	0.078	0.420	0.1088
TOTAL:				12.23	91.50	36.28



Peak Integration Report

Sample Name:	**XL2536247-15**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:16**	*Run Time:*	**10.00**

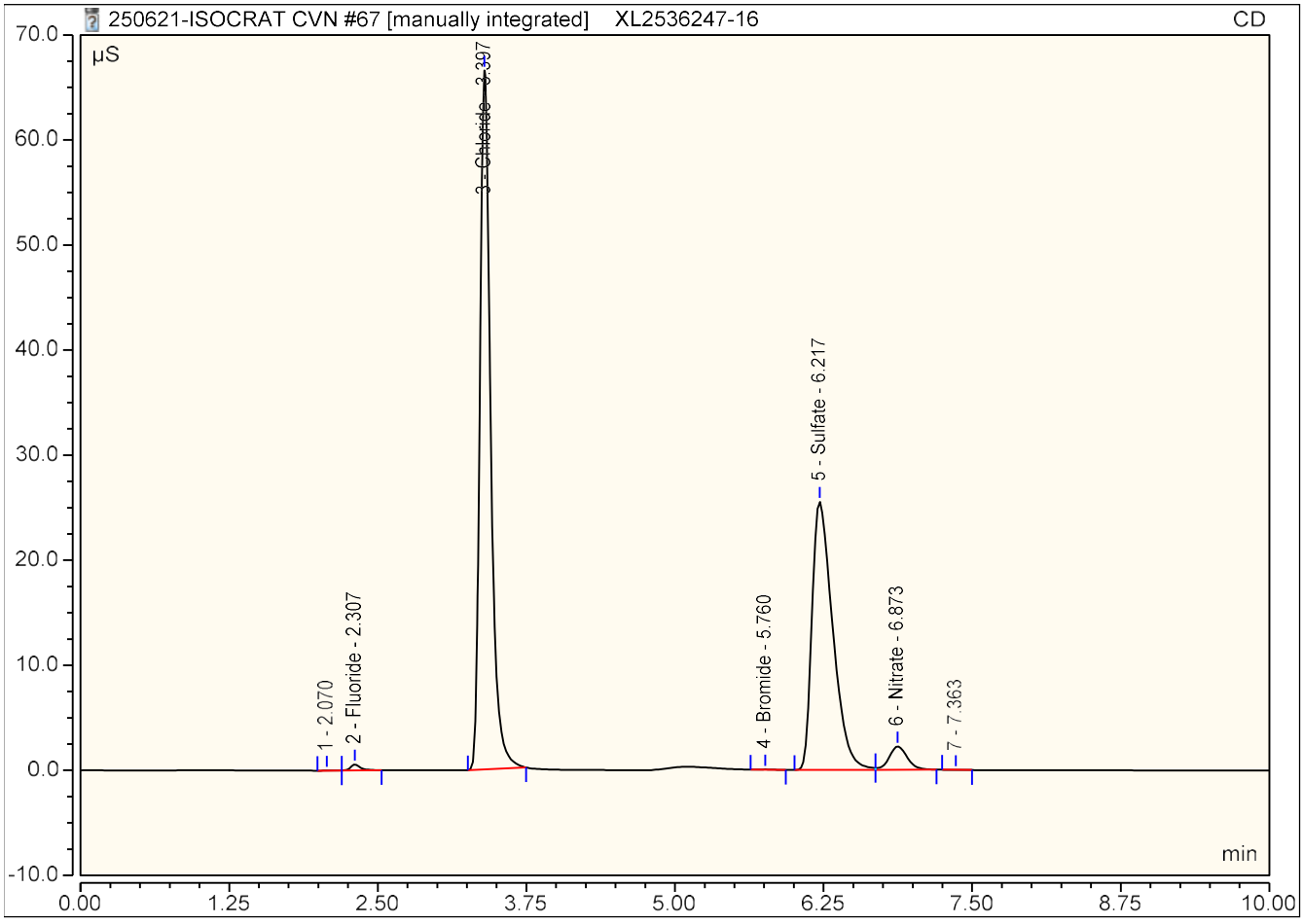
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.045	0.485	0.1077
4	3.42	**Chloride**	BMB^	6.583	63.256	17.1438
5	5.76	**Bromide**	BMB	0.005	0.041	0.0771
6	6.22	**Sulfate**	BM *	4.165	21.073	14.4309
7	6.89	**Nitrate**	MB*	0.023	0.119	0.0510
TOTAL:				10.82	84.97	31.81



Peak Integration Report

Sample Name:	**XL2536247-16**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:28**	*Run Time:*	**10.00**

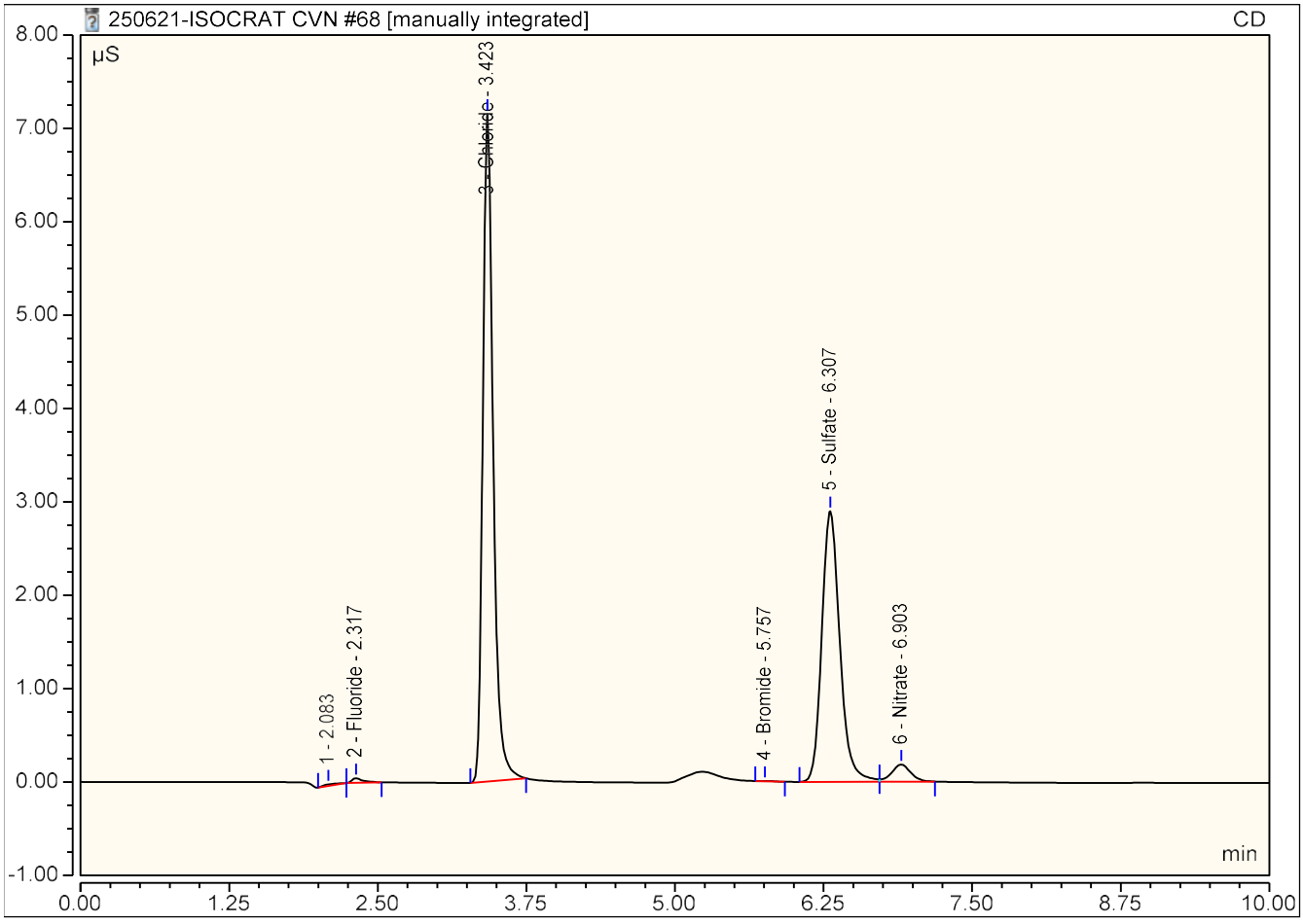
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.052	0.571	0.1208
3	3.40	**Chloride**	BMB	6.978	66.538	18.1666
4	5.76	**Bromide**	BMB	0.004	0.032	0.0680
5	6.22	**Sulfate**	BM *	5.185	25.535	17.7952
6	6.87	**Nitrate**	MB*	0.393	2.223	0.4397
TOTAL:				12.61	94.90	36.59



Peak Integration Report

Sample Name:	**XL2536247-16; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:40**	*Run Time:*	**10.00**

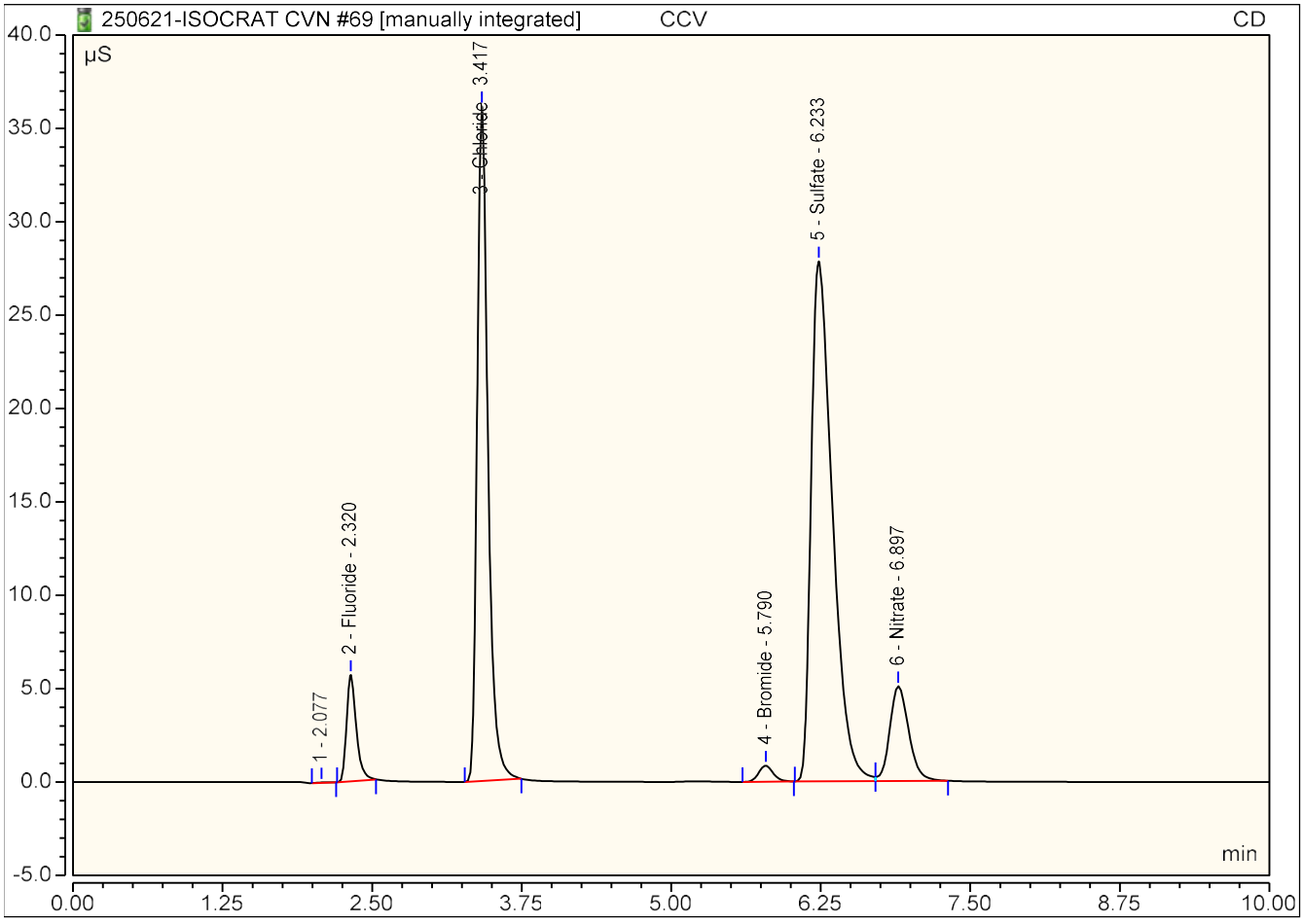
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.005	0.050	0.3708
3	3.42	**Chloride**	BMB	0.724	7.148	19.7154
4	5.76	**Bromide**	BMB	0.000	0.003	0.4011
5	6.31	**Sulfate**	BM *	0.508	2.898	23.7169
6	6.90	**Nitrate**	MB*	0.034	0.184	0.6273
TOTAL:				1.27	10.28	44.83



Peak Integration Report

Sample Name:	**CCV**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 21:52**	*Run Time:*	**10.00**

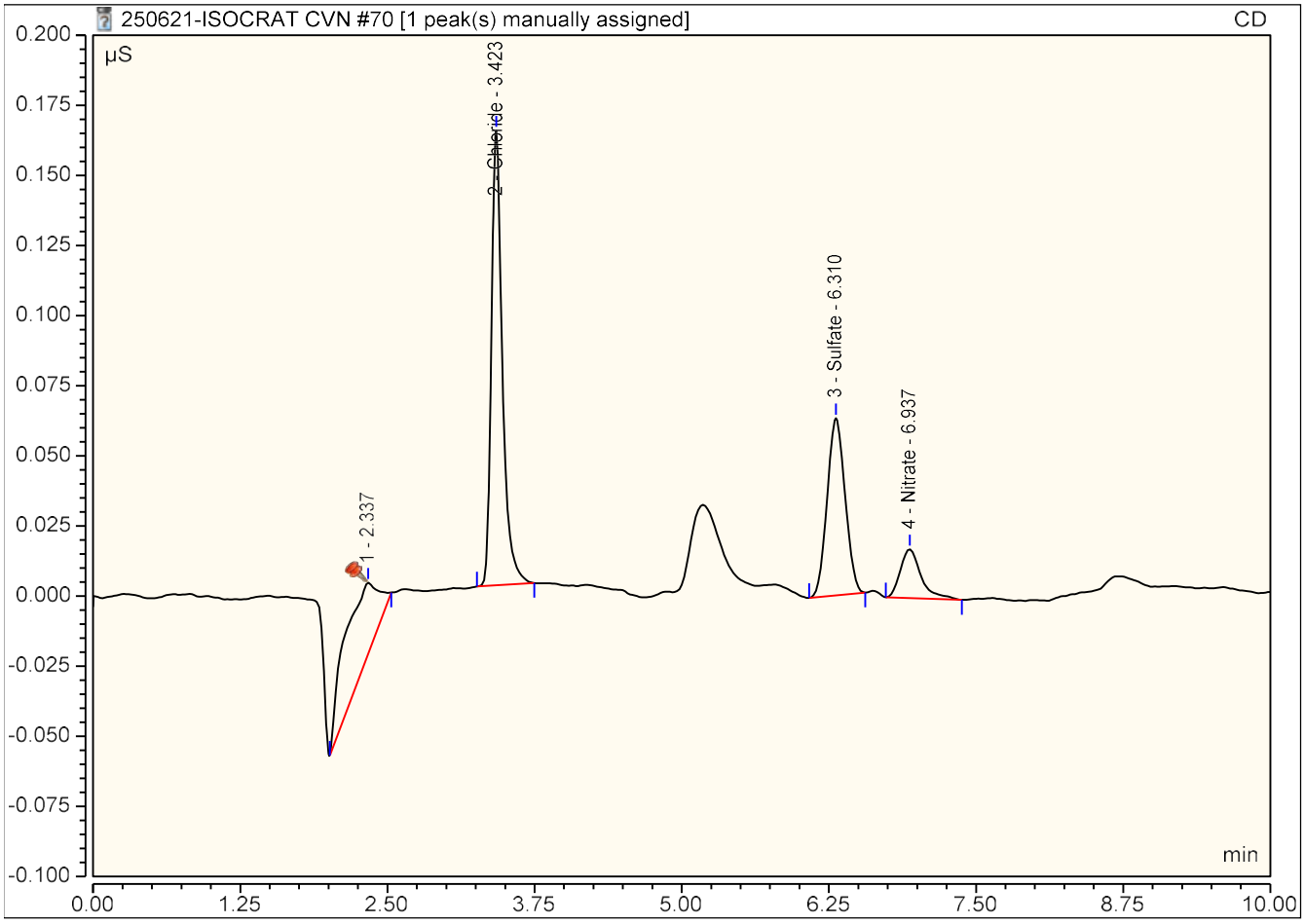
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.530	5.686	0.9825
3	3.42	**Chloride**	BMB	3.788	36.124	9.9052
4	5.79	**Bromide**	BMB	0.122	0.865	0.9392
5	6.23	**Sulfate**	BM *	5.737	27.846	19.6158
6	6.90	**Nitrate**	MB*	0.935	5.068	1.0088
TOTAL:				11.11	75.59	32.45



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:04**	*Run Time:*	**10.00**

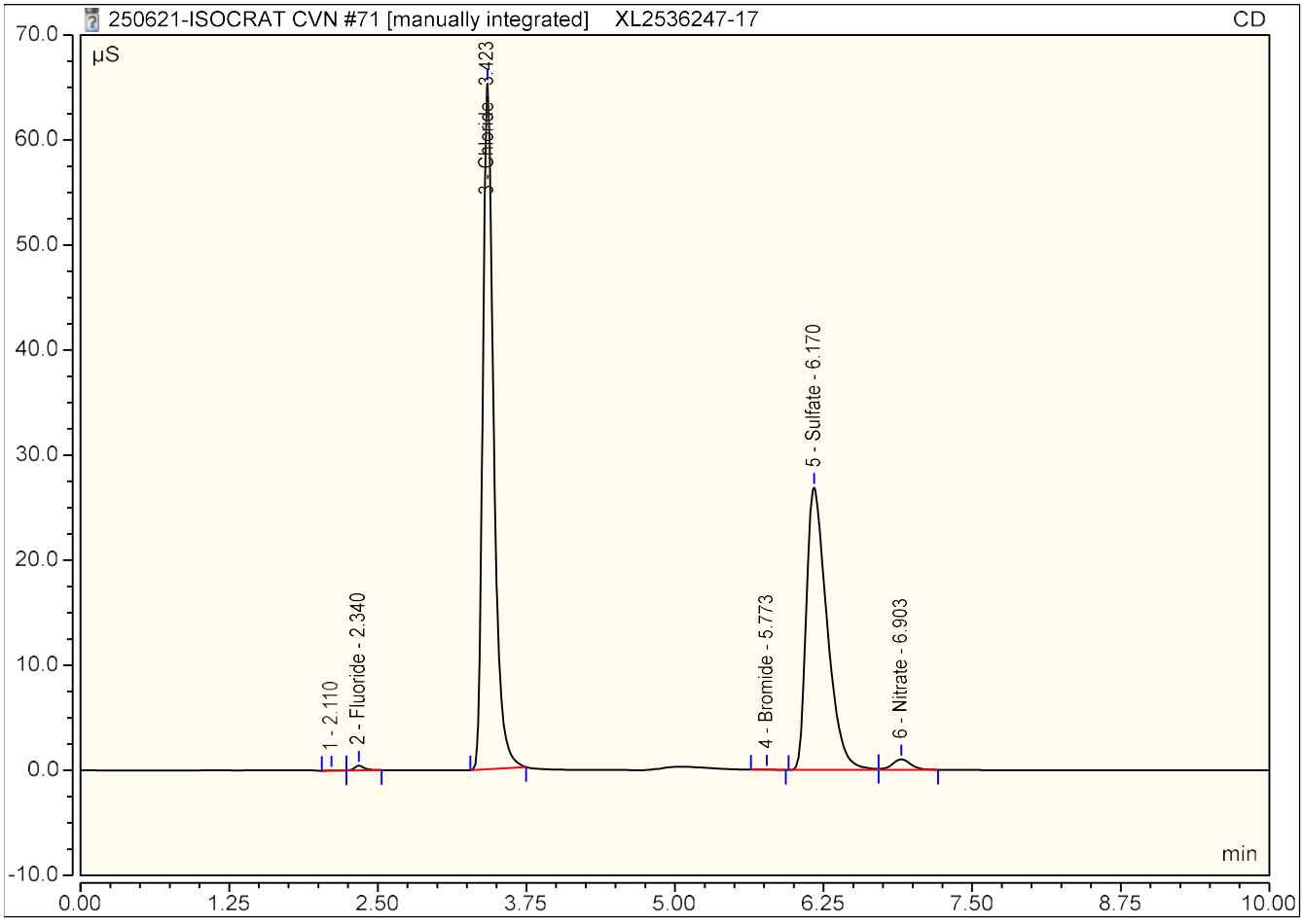
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.42	**Chloride**	BMB	0.017	0.162	0.1406
3	6.31	**Sulfate**	BMB	0.011	0.063	0.7347
4	6.94	**Nitrate**	BMB	0.004	0.017	0.0306
TOTAL:				0.03	0.24	0.91



Peak Integration Report

Sample Name:	**XL2536247-17**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:16**	*Run Time:*	**10.00**

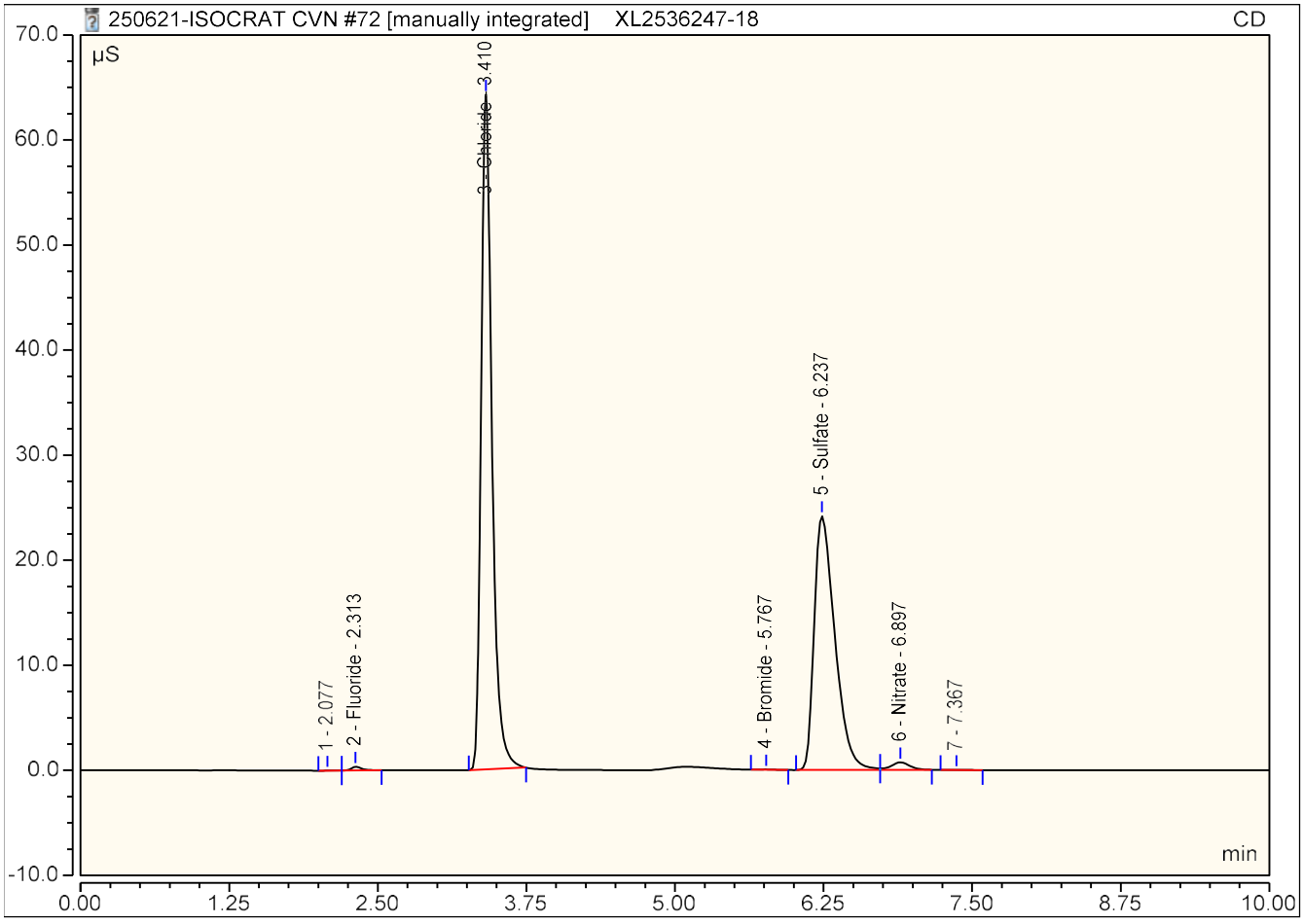
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.041	0.448	0.1019
3	3.42	**Chloride**	BMB	6.973	65.248	18.1526
4	5.77	**Bromide**	BMB	0.004	0.034	0.0706
5	6.17	**Sulfate**	BM *	5.430	26.866	18.6045
6	6.90	**Nitrate**	MB*	0.181	1.014	0.2174
TOTAL:				12.63	93.61	37.15



Peak Integration Report

Sample Name:	**XL2536247-18**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:28**	*Run Time:*	**10.00**

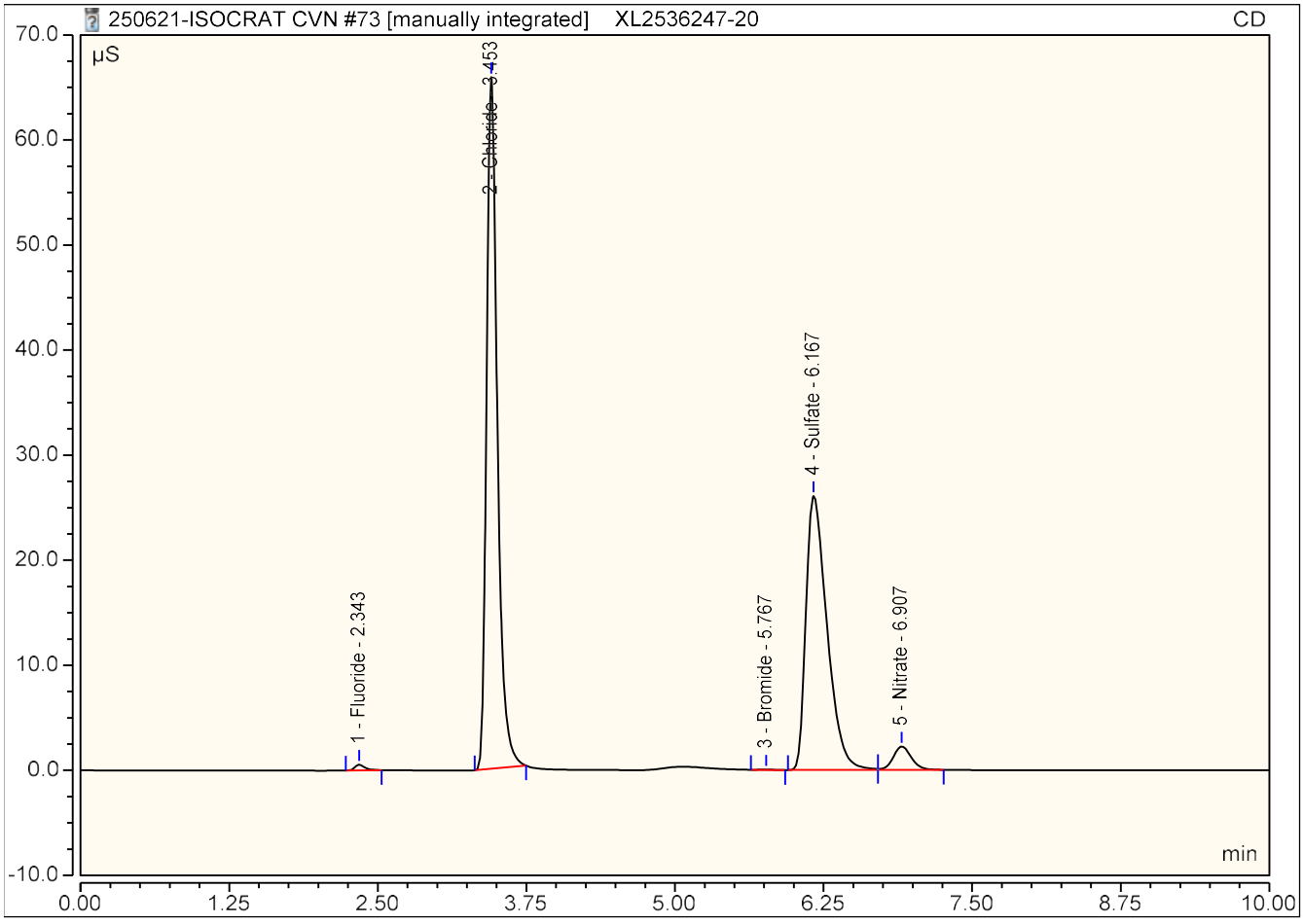
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.034	0.357	0.0879
3	3.41	**Chloride**	BMB	6.815	64.234	17.7446
4	5.77	**Bromide**	BMB	0.005	0.035	0.0714
5	6.24	**Sulfate**	BM *	4.871	24.179	16.7608
6	6.90	**Nitrate**	MB*	0.131	0.721	0.1647
TOTAL:				11.86	89.53	34.83



Peak Integration Report

Sample Name:	**XL2536247-20**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:40**	*Run Time:*	**10.00**

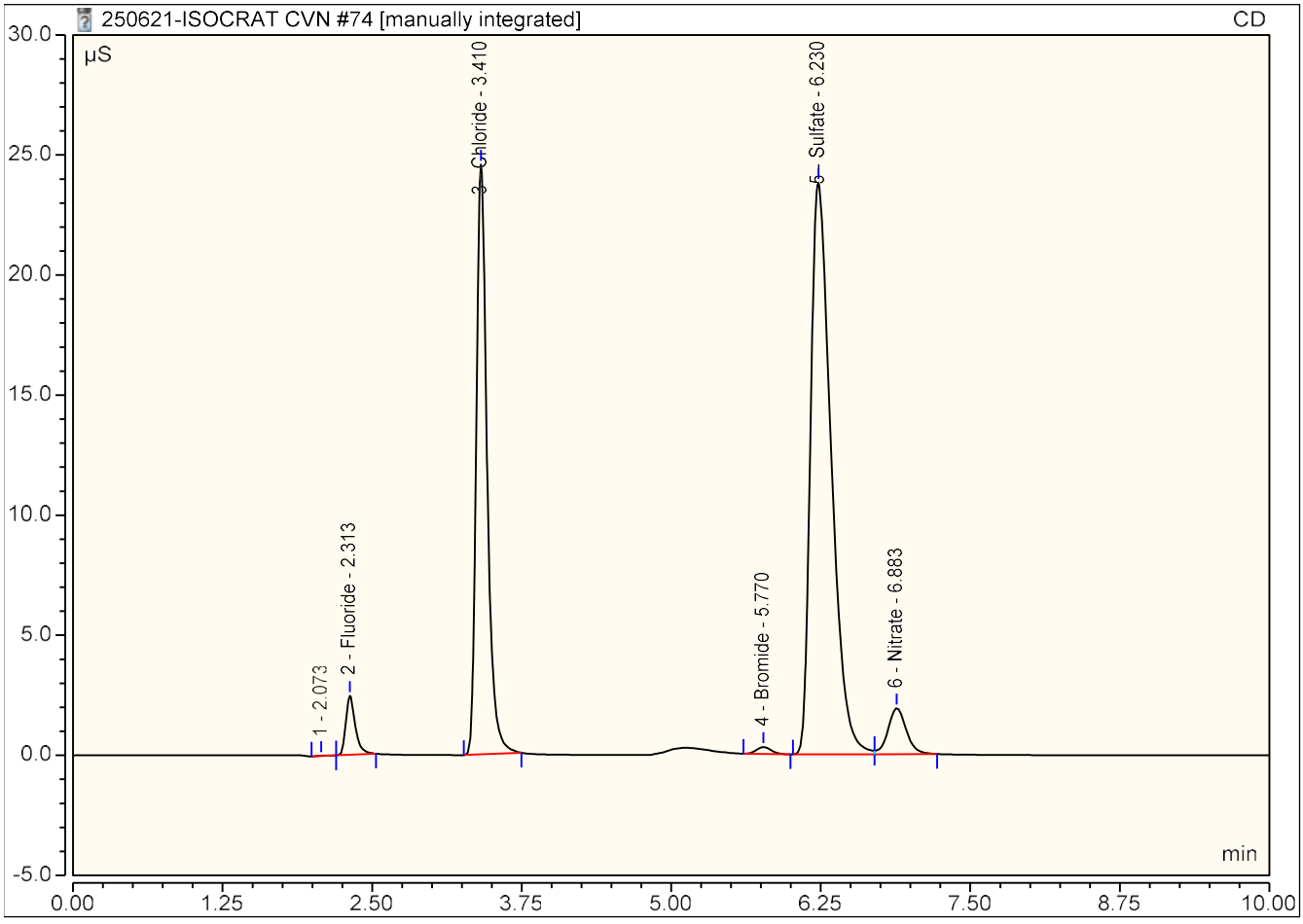
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.34	**Fluoride**	BMB	0.052	0.554	0.1210
2	3.45	**Chloride**	BMB	6.955	65.832	18.1065
3	5.77	**Bromide**	BMB	0.005	0.034	0.0710
4	6.17	**Sulfate**	BM *	5.367	26.091	18.3971
5	6.91	**Nitrate**	MB*	0.395	2.223	0.4417
TOTAL:				12.77	94.73	37.14



Peak Integration Report

Sample Name:	**XL2536418-01 MS; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 22:52**	*Run Time:*	**10.00**

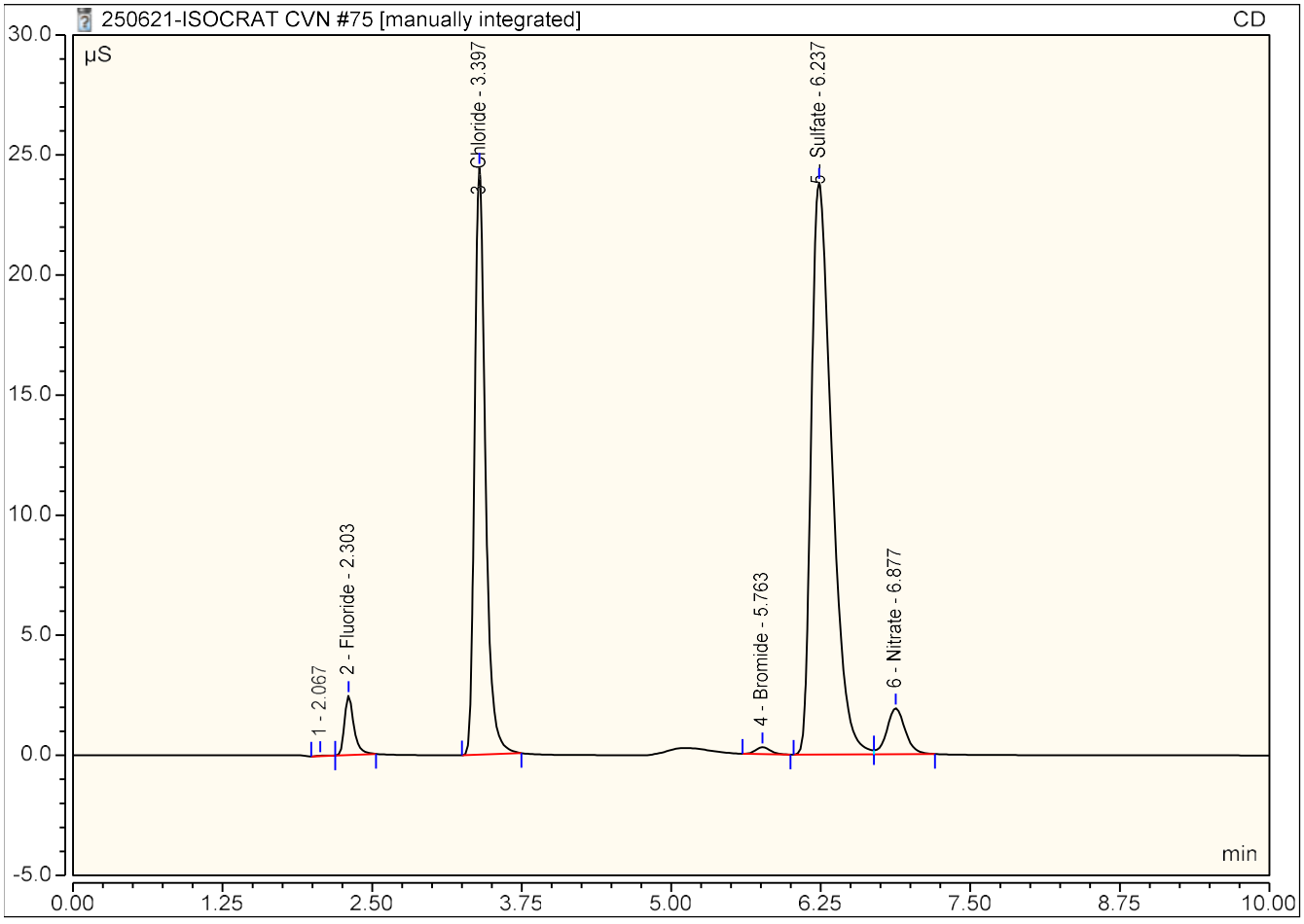
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.223	2.463	4.2986
3	3.41	**Chloride**	BMB	2.566	24.565	67.4018
4	5.77	**Bromide**	BMB	0.041	0.294	3.4393
5	6.23	**Sulfate**	BM *	4.754	23.816	163.7549
6	6.88	**Nitrate**	MB*	0.339	1.911	3.8291
TOTAL:				7.92	53.05	242.72



Peak Integration Report

Sample Name:	**XL2536418-01 MSD; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:05**	*Run Time:*	**10.00**

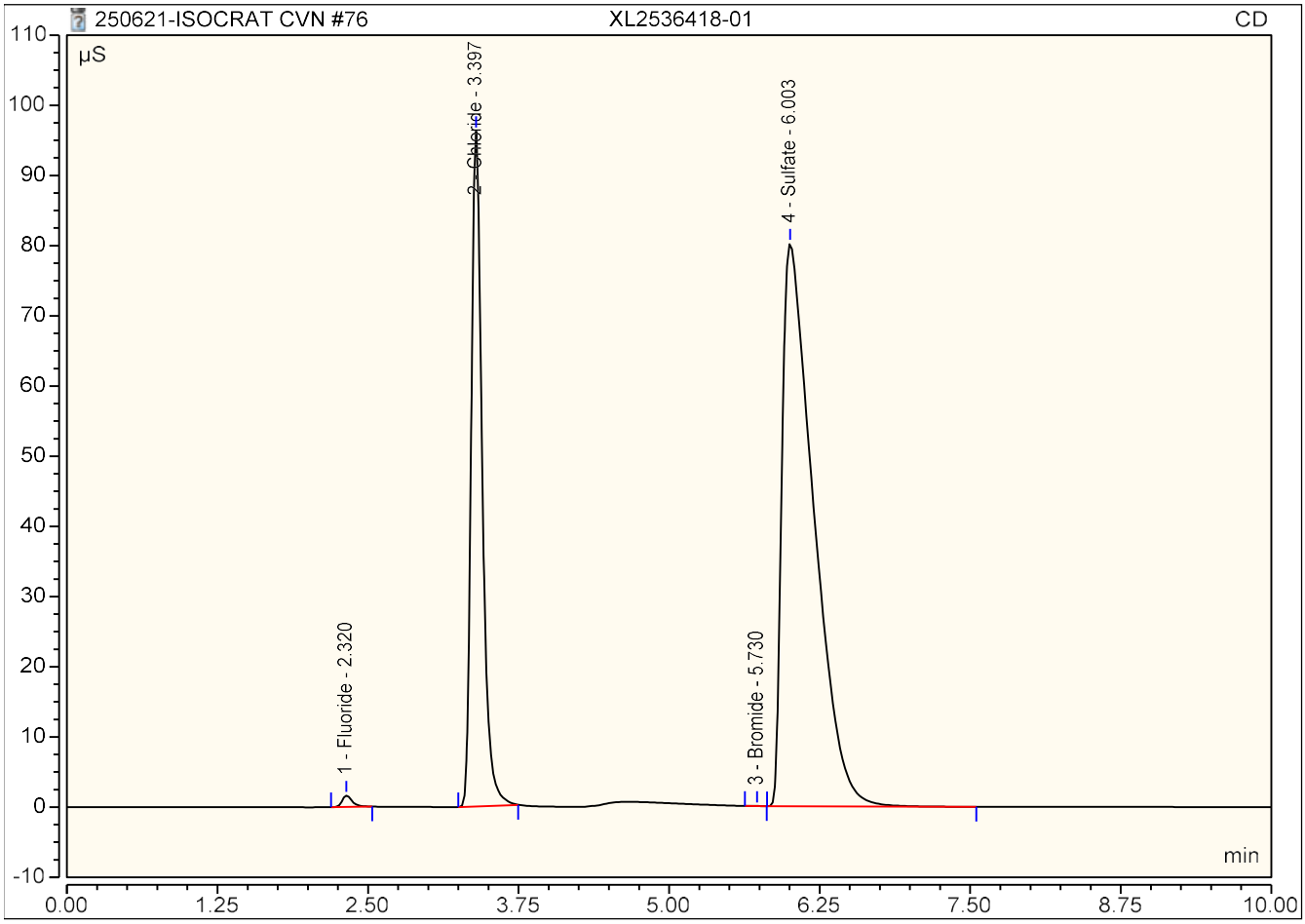
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.30	**Fluoride**	BMB	0.223	2.465	4.2980
3	3.40	**Chloride**	BMB	2.560	24.451	67.2381
4	5.76	**Bromide**	BMB	0.041	0.293	3.4494
5	6.24	**Sulfate**	BM *	4.739	23.819	163.2439
6	6.88	**Nitrate**	MB*	0.340	1.915	3.8381
TOTAL:				7.90	52.94	242.07



Peak Integration Report

Sample Name:	**XL2536418-01**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:17**	*Run Time:*	**10.00**

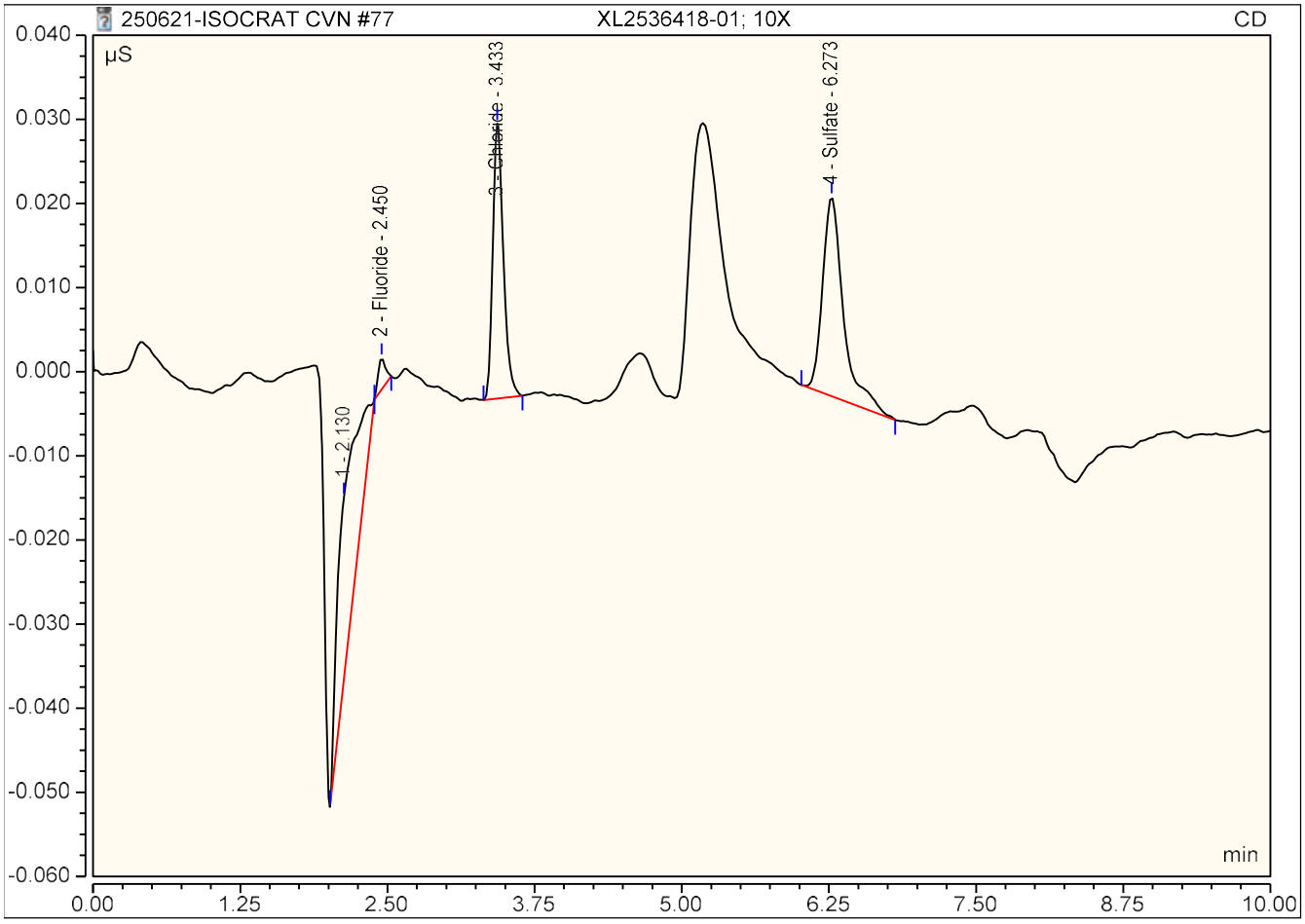
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.32	**Fluoride**	BMB	0.158	1.627	0.3118
2	3.40	**Chloride**	BMB	10.192	96.216	26.4895
3	5.73	**Bromide**	BMB	0.001	0.012	0.0455
4	6.00	**Sulfate**	BMB	24.378	80.192	81.0858
TOTAL:				34.73	178.05	107.93



Peak Integration Report

Sample Name:	**XL2536418-01; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:29**	*Run Time:*	**10.00**

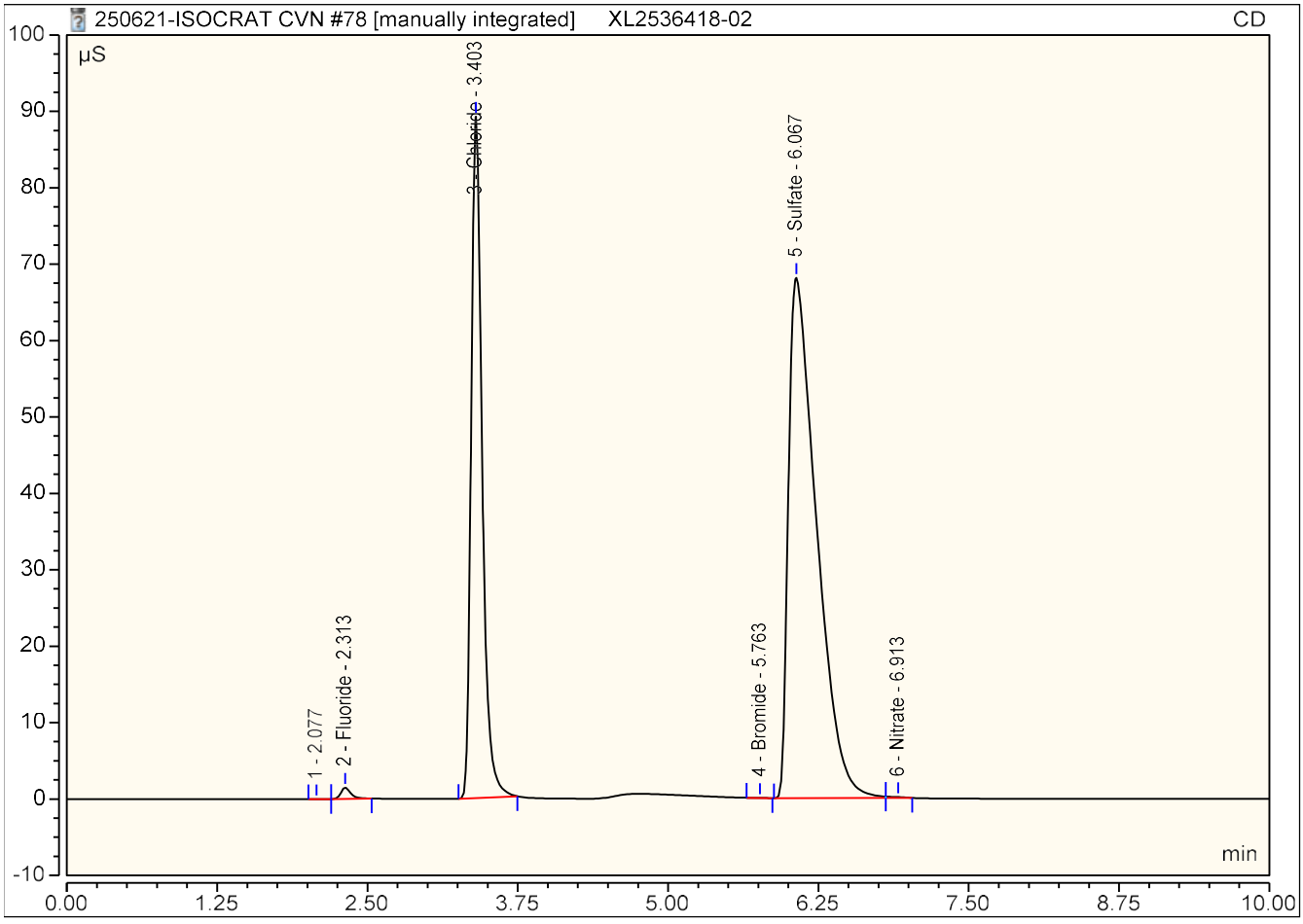
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.45	**Fluoride**	BMB	0.000	0.004	0.2777
3	3.43	**Chloride**	BMB	0.003	0.033	1.0411
4	6.27	**Sulfate**	BMB	0.005	0.024	7.1376
TOTAL:				0.01	0.06	8.46



Peak Integration Report

Sample Name:	**XL2536418-02**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:41**	*Run Time:*	**10.00**

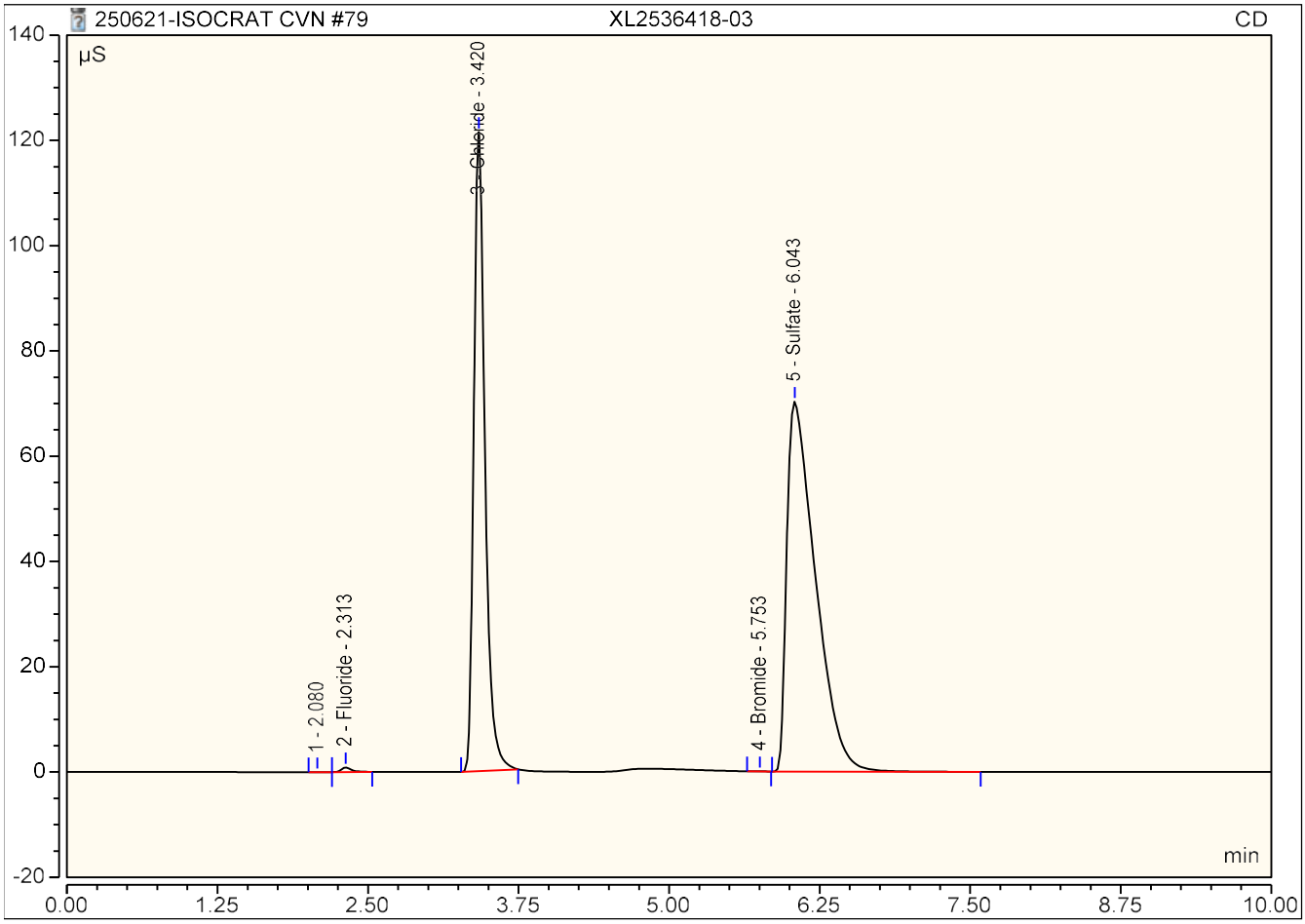
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.139	1.475	0.2784
3	3.40	**Chloride**	BMB	9.388	89.211	24.4088
4	5.76	**Bromide**	BMB	0.001	0.012	0.0473
5	6.07	**Sulfate**	BM *	18.362	68.088	61.2483
6	6.91	**Nitrate**	MB*	0.023	0.125	0.0508
TOTAL:				27.91	158.91	86.03



Peak Integration Report

Sample Name:	**XL2536418-03**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**21-Jun-2025 / 23:53**	*Run Time:*	**10.00**

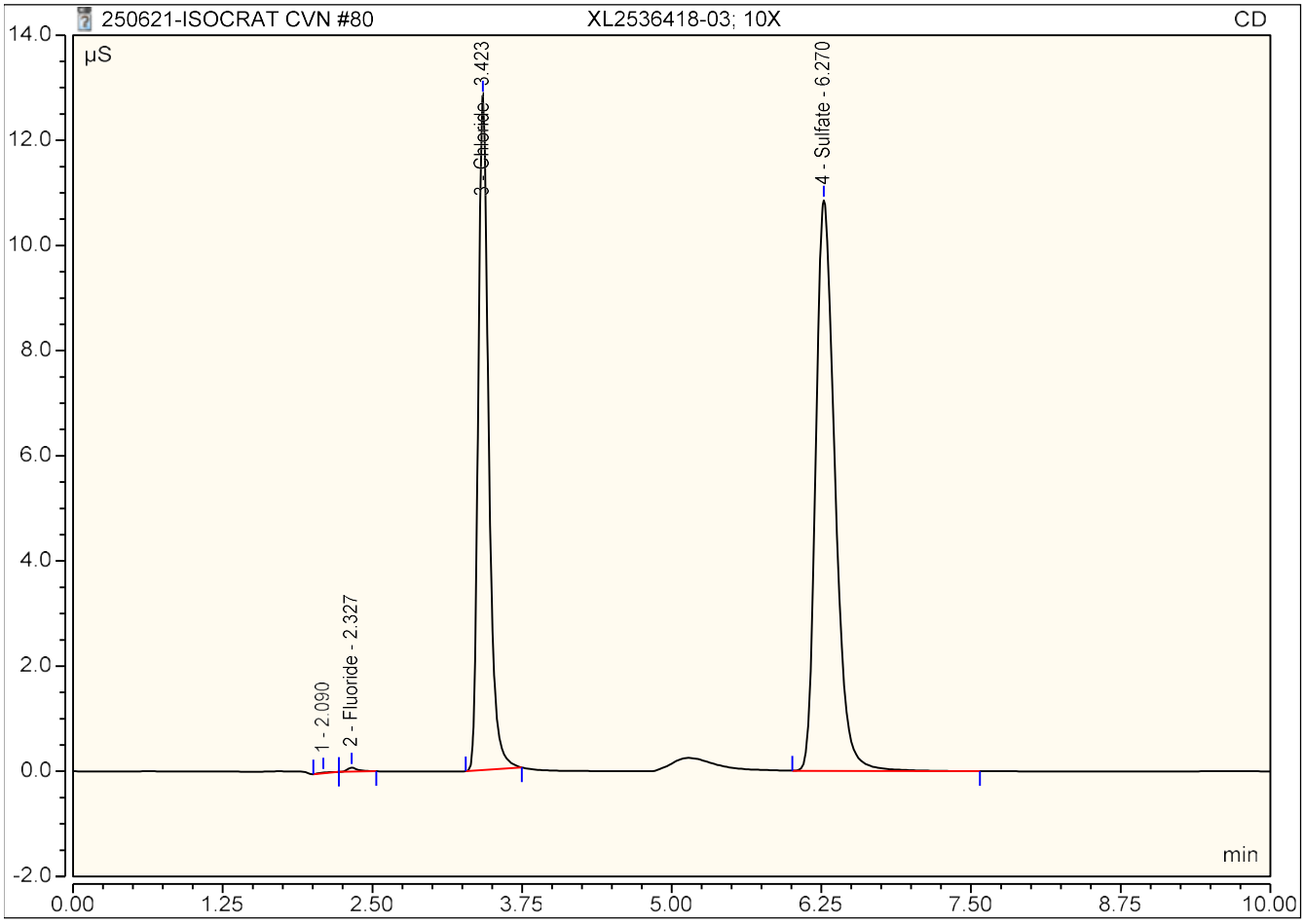
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.083	0.876	0.1765
3	3.42	**Chloride**	BMB	13.009	121.423	33.7857
4	5.75	**Bromide**	BMB	0.001	0.012	0.0461
5	6.04	**Sulfate**	BMB	19.314	70.264	64.3867
TOTAL:				32.41	192.57	98.40



Peak Integration Report

Sample Name:	**XL2536418-03; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:05**	*Run Time:*	**10.00**

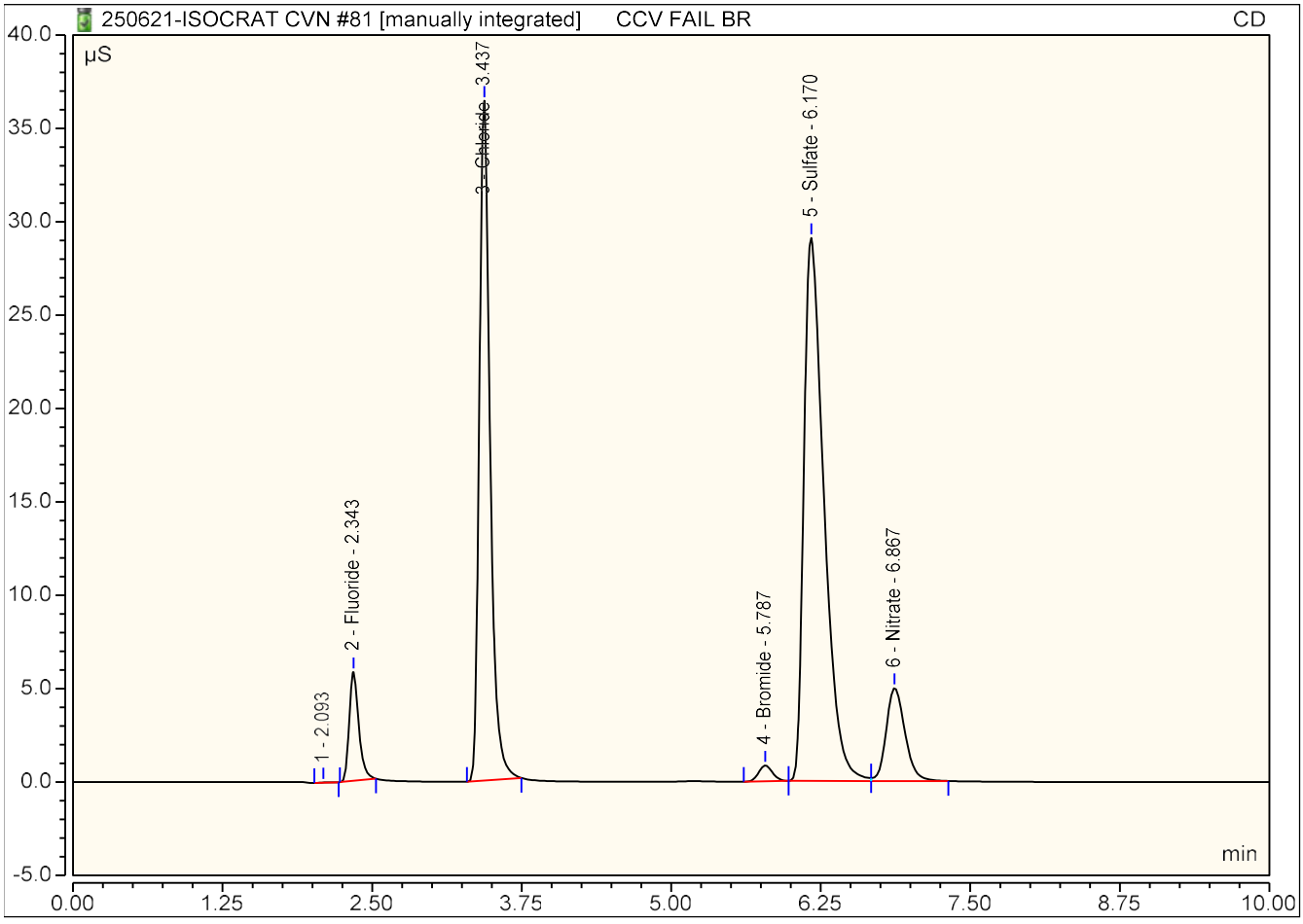
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.33	**Fluoride**	BMB	0.008	0.079	0.4176
3	3.42	**Chloride**	BMB	1.308	12.830	34.8312
4	6.27	**Sulfate**	BMB	2.011	10.848	73.2904
TOTAL:				3.33	23.76	108.54



Peak Integration Report

Sample Name:	**CCV FAIL BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:17**	*Run Time:*	**10.00**

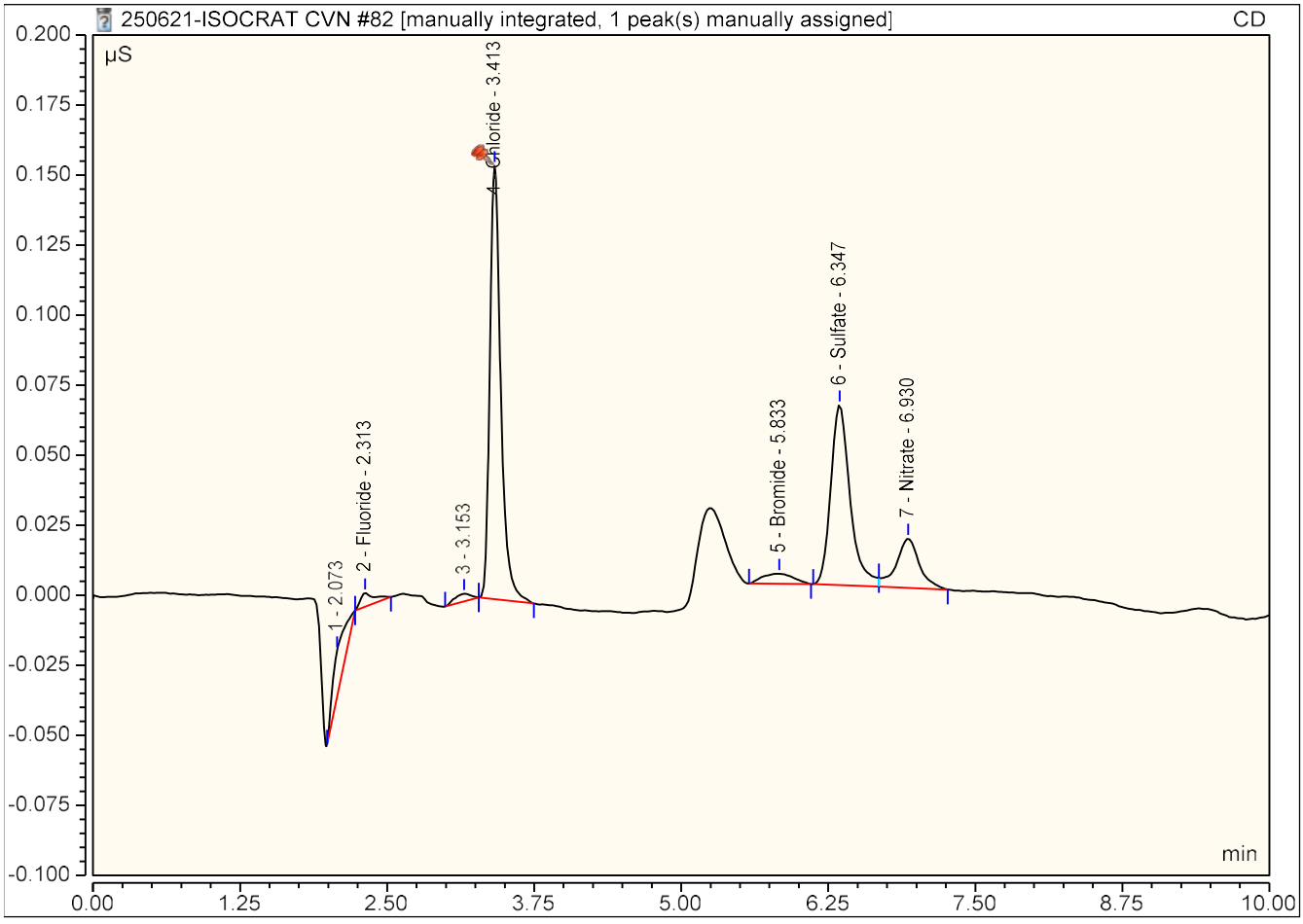
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.34	**Fluoride**	BMB	0.539	5.827	0.9986
3	3.44	**Chloride**	BMB	3.814	36.394	9.9716
4	5.79	**Bromide**	BMb*	0.114	0.851	0.8827
5	6.17	**Sulfate**	bM *	5.670	29.065	19.3936
6	6.87	**Nitrate**	MB*	0.906	4.983	0.9790
TOTAL:				11.04	77.12	32.23



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:29**	*Run Time:*	**10.00**

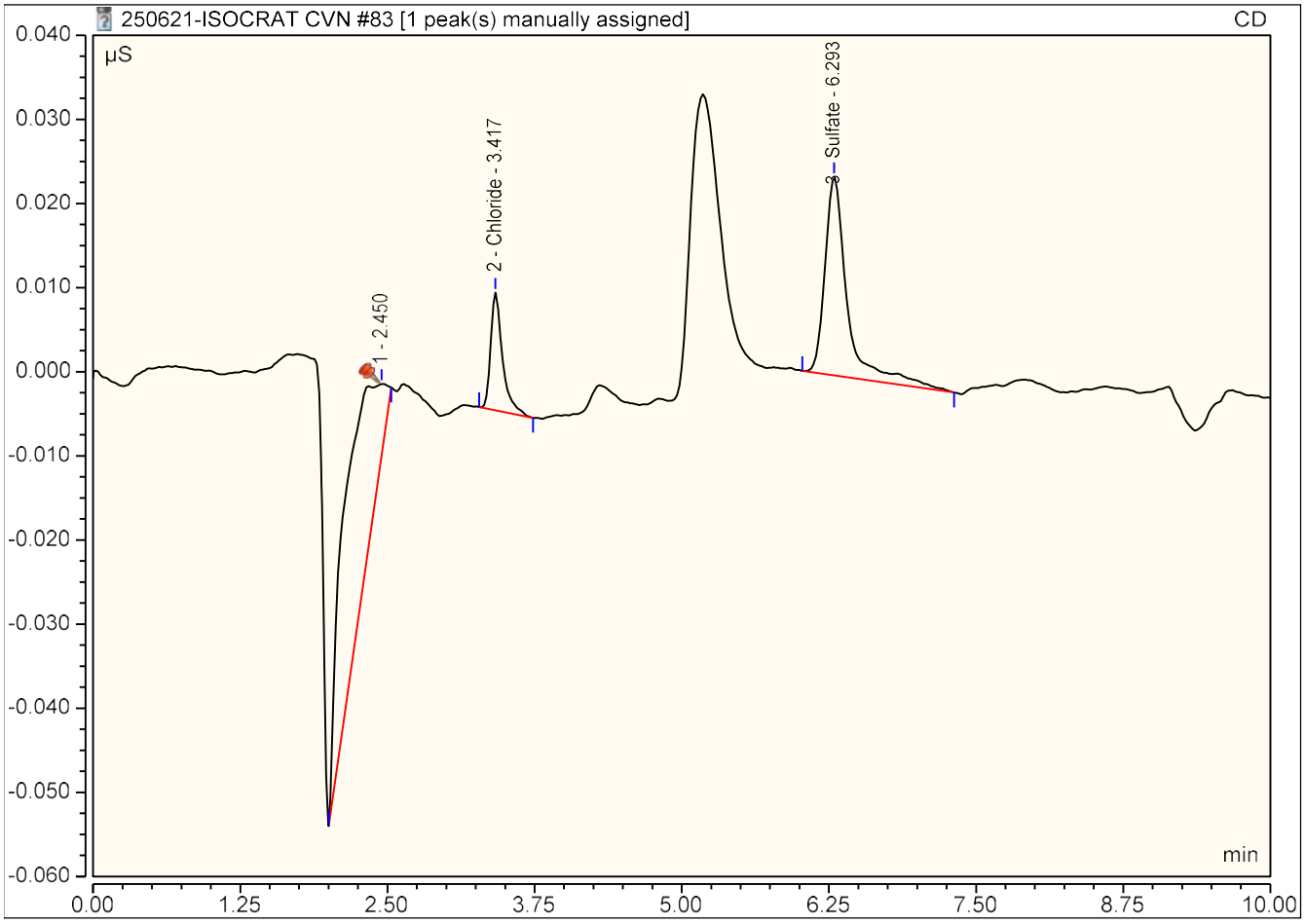
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.001	0.005	0.0285
4	3.41	**Chloride**	BMB^	0.017	0.155	0.1383
5	5.83	**Bromide**	BMB	0.001	0.004	0.0456
6	6.35	**Sulfate**	BM *	0.012	0.064	0.7381
7	6.93	**Nitrate**	MB*	0.004	0.018	0.0311
TOTAL:				0.03	0.25	0.98



Peak Integration Report

Sample Name:	**BLK-2 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:41**	*Run Time:*	**10.00**

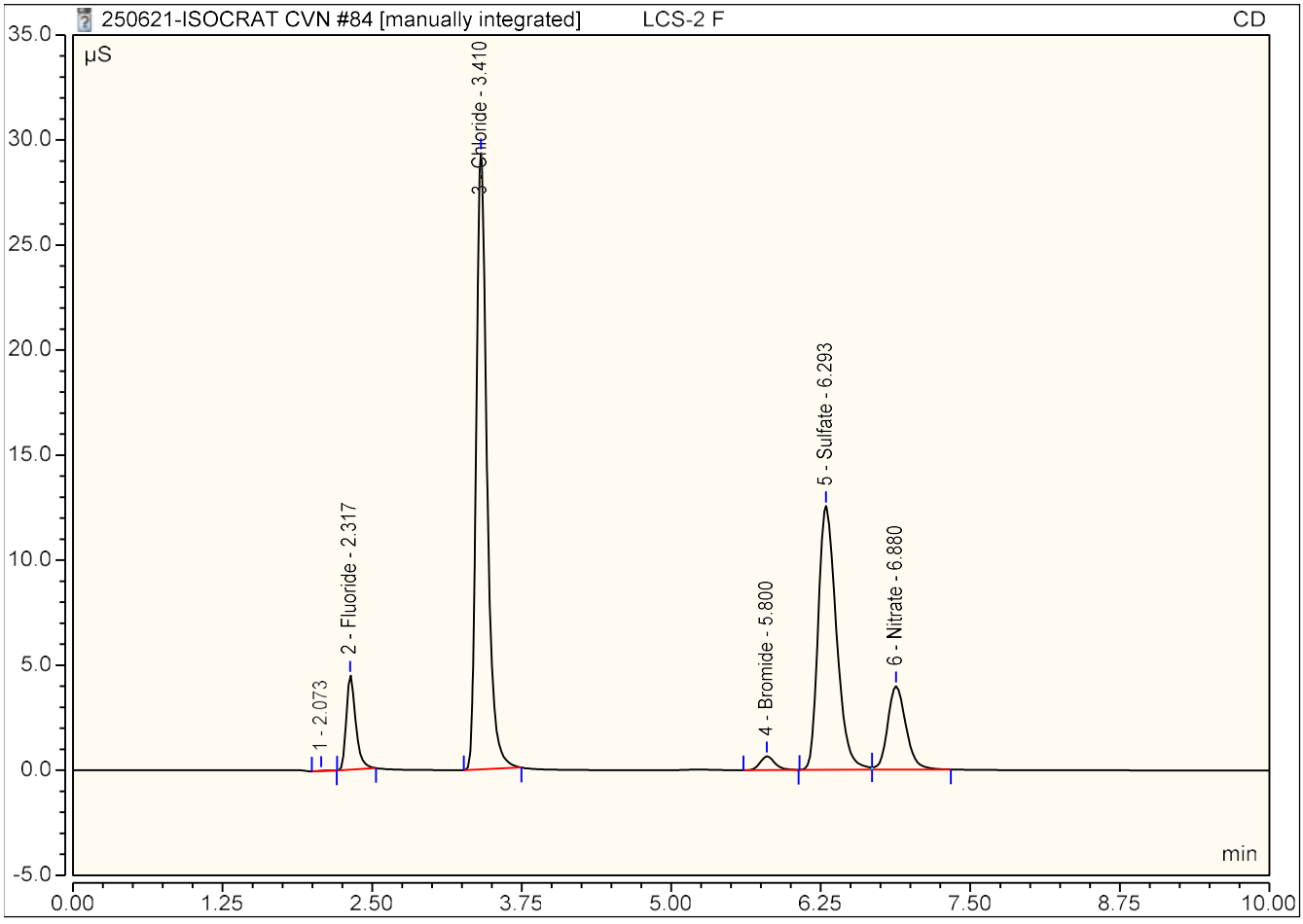
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	3.42	**Chloride**	BMB	0.002	0.014	0.0995
3	6.29	**Sulfate**	BMB	0.005	0.024	0.7149
TOTAL:				0.01	0.04	0.81



Peak Integration Report

Sample Name:	**LCS-2 F**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 00:53**	*Run Time:*	**10.00**

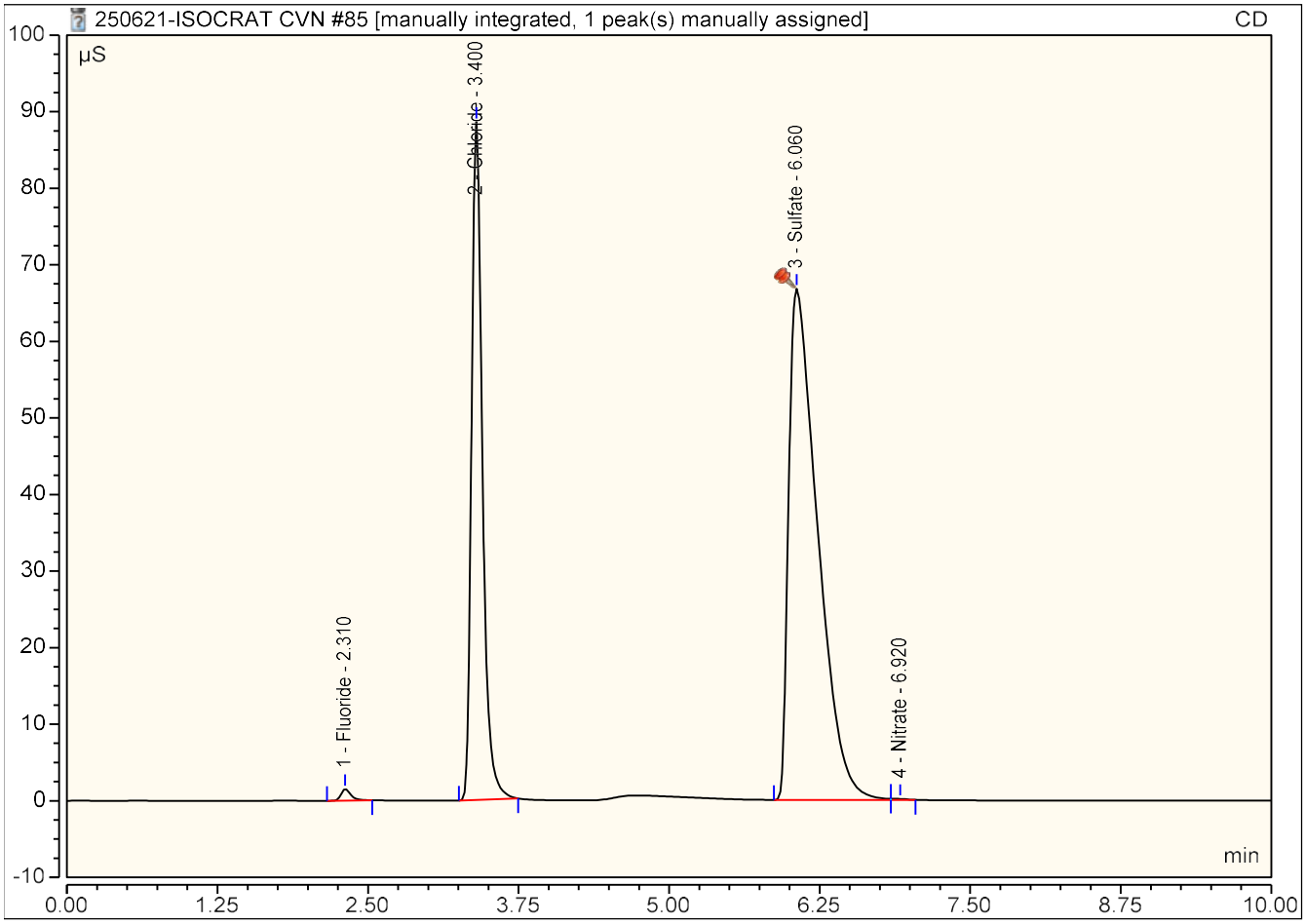
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.32	**Fluoride**	BMB	0.407	4.483	0.7605
3	3.41	**Chloride**	BMB	3.060	29.337	8.0198
4	5.80	**Bromide**	BMB	0.093	0.657	0.7260
5	6.29	**Sulfate**	BM *	2.206	12.546	7.9707
6	6.88	**Nitrate**	MB*	0.703	3.971	0.7653
TOTAL:				6.47	50.99	18.24



Peak Integration Report

Sample Name:	**XL2536418-04**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:05**	*Run Time:*	**10.00**

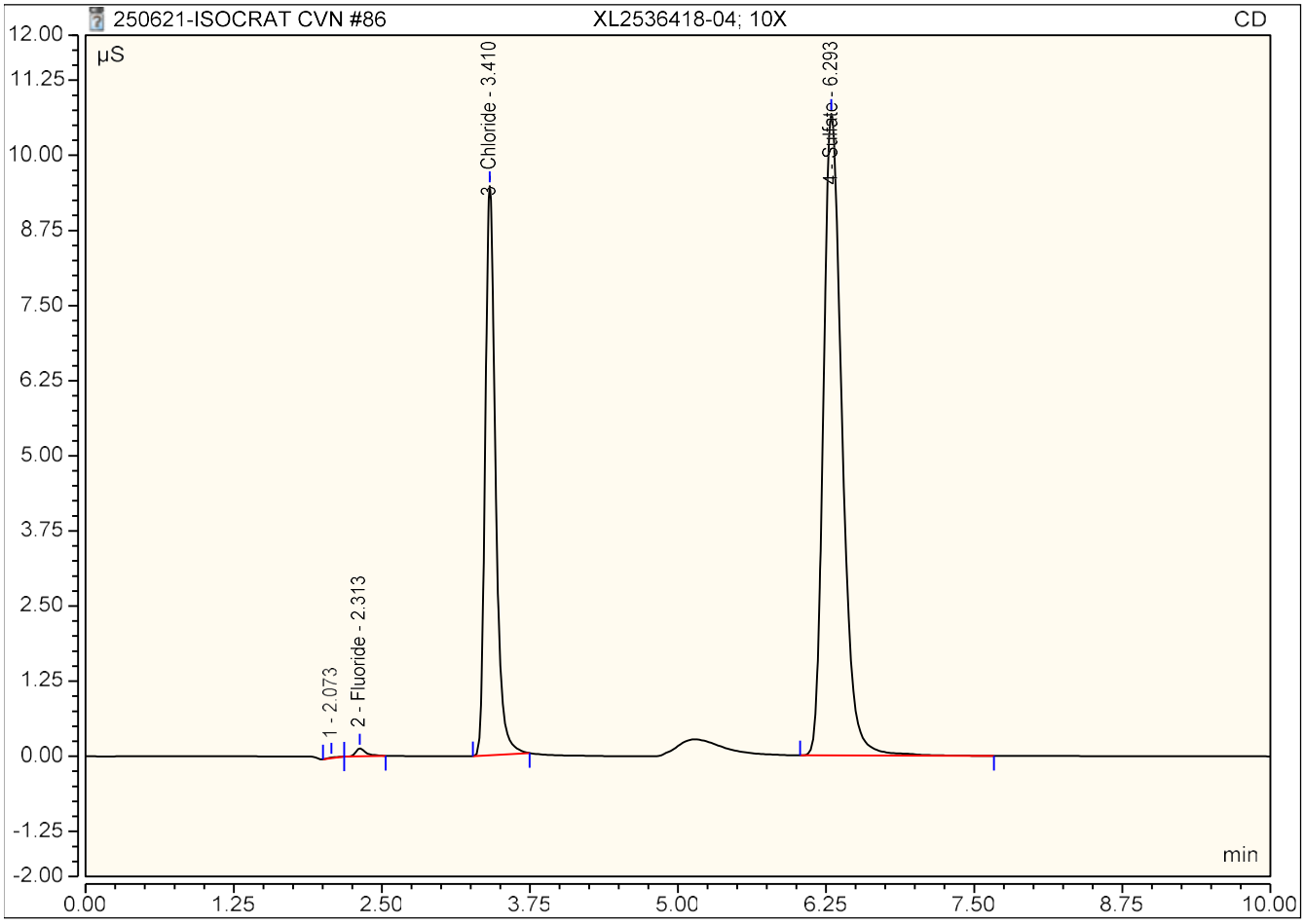
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	2.31	**Fluoride**	BMB	0.141	1.491	0.2815
2	3.40	**Chloride**	BMB	9.262	88.546	24.0803
3	6.06	**Sulfate**	BM *^	18.537	66.770	61.8241
4	6.92	**Nitrate**	MB*	0.018	0.121	0.0462
TOTAL:				27.96	156.93	86.23



Peak Integration Report

Sample Name:	**XL2536418-04; 10X**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**10.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:18**	*Run Time:*	**10.00**

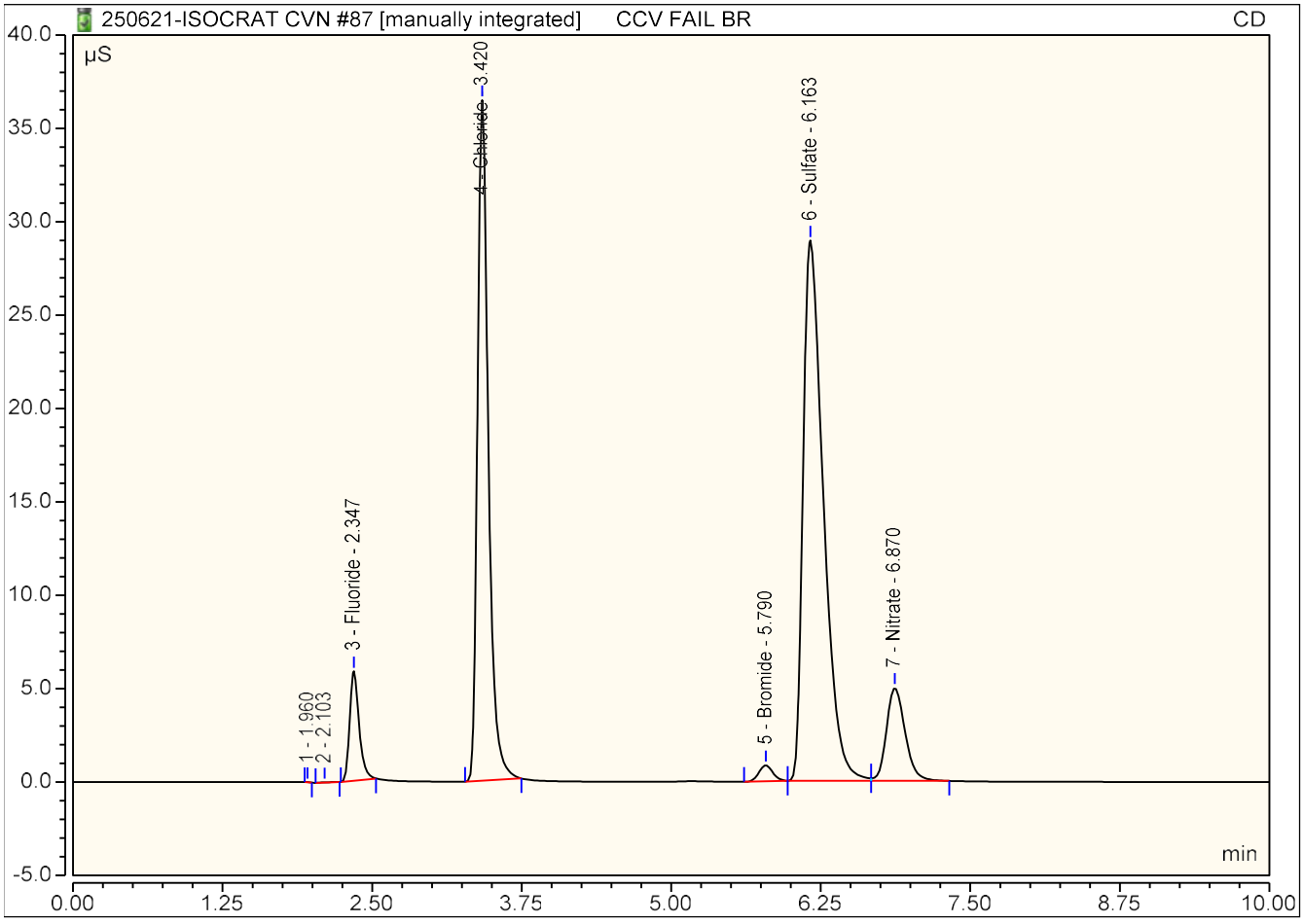
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
2	2.31	**Fluoride**	BMB	0.013	0.133	0.5112
3	3.41	**Chloride**	BMB	0.957	9.472	25.7280
4	6.29	**Sulfate**	BMB	1.947	10.678	71.1913
TOTAL:				2.92	20.28	97.43



Peak Integration Report

Sample Name:	**CCV FAIL BR**	*Inj. Vol.:*	**25.00**
Injection Type:	**Check Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:30**	*Run Time:*	**10.00**

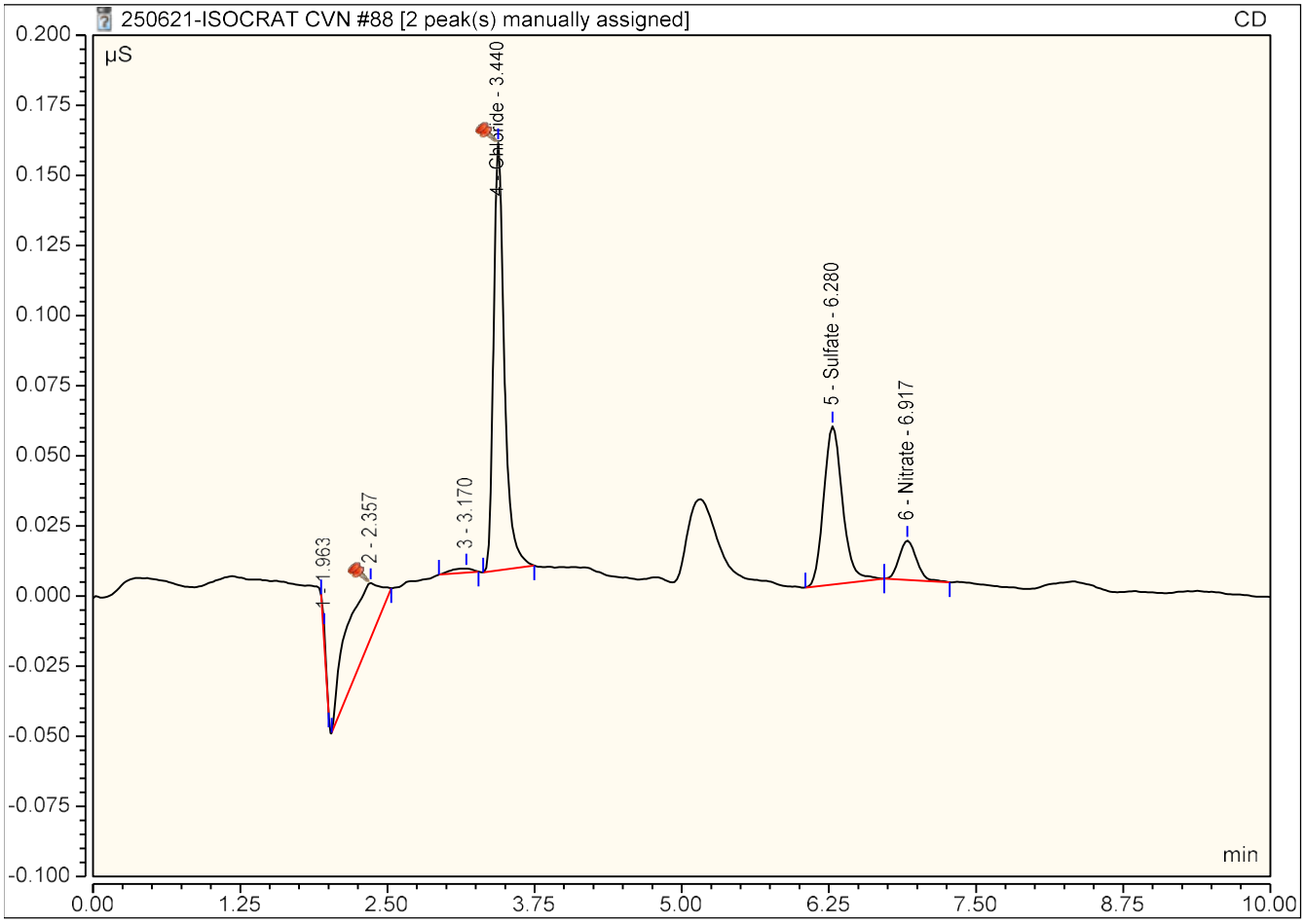
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
3	2.35	**Fluoride**	BMB	0.534	5.856	0.9896
4	3.42	**Chloride**	BMB	3.834	36.436	10.0245
5	5.79	**Bromide**	BMb*	0.114	0.855	0.8856
6	6.16	**Sulfate**	bM *	5.699	28.921	19.4917
7	6.87	**Nitrate**	MB*	0.902	4.983	0.9742
TOTAL:				11.08	77.05	32.37



Peak Integration Report

Sample Name:	**CCB**	*Inj. Vol.:*	**25.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**Anions_050420_ThermoFisher**	*Operator:*	**IC 4**
Inj. Date / Time:	**22-Jun-2025 / 01:42**	*Run Time:*	**10.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
4	3.44	**Chloride**	BMB^	0.016	0.152	0.1373
5	6.28	**Sulfate**	BMB	0.011	0.056	0.7325
6	6.92	**Nitrate**	BMB	0.002	0.014	0.0294
TOTAL:				0.03	0.22	0.90



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0440	0.1000	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0418	0.2829	0.0429	1.0180	0.0511
3	STD 1.0	1.0	0.0555	0.5048	0.0622	1.4554	0.0744
4	STD 2.0	1.0	0.1773	1.9278	0.1949	4.1152	0.1845
5	STD 3.0	1.0	0.4593	4.8782	0.4665	9.9062	0.4524
6	STD 4.0	1.0	2.0605	20.2356	2.0083	38.3461	2.0125
7	STD 5.0	1.0	4.9806	49.9206	5.0460	100.6592	4.8837
8	RINSE	1.0	0.0410	0.1345	0.0282	0.7382	0.0433
9	CCV	1.0	0.9889	9.9349	0.9870	19.5719	0.9210
10	CCB	1.0	0.0301	0.1345	0.0312	0.7379	n.a.
11	ICV	1.0	0.7783	8.0780	0.7808	8.1405	0.7594
12	ICB	1.0	0.0299	0.1323	0.0306	0.7341	n.a.
13	BLK	1.0	0.0284	0.0990	n.a.	0.7184	n.a.
14	LCS	1.0	0.7688	8.1129	0.7756	8.0817	0.7501
15	L2536930-01 F	1.0	0.1522	14.3453	n.a.	163.7389	n.a.
16	L2536930-02	1.0	0.0629	151.4436	n.a.	1536.7904	n.a.
17	L2536930-03	1.0	0.0535	17.8171	0.4695	104.0753	n.a.
18	L2536930-04	1.0	0.0680	24.7548	n.a.	691.2281	n.a.
19	L2536169-01 F; 5X	5.0	1.7917	213.6617	6.9752	43.8331	n.a.
20	L2536169-03 F; 5X	5.0	2.2351	66.6222	0.4578	34.0304	0.1961
21	CCV	1.0	0.9712	9.9296	0.9937	19.2673	0.9246
22	CCB	1.0	0.0277	0.1416	0.0304	0.7430	0.0386
23	L2536169-04 MS; 5X	5.0	6.1391	75.9466	1.9550	91.1995	1.7298
24	L2536169-04 MSD; 5X	5.0	6.1849	76.1220	1.9763	91.1742	1.7294
25	L2536169-04; 5X	5.0	4.0088	55.4743	n.a.	52.9019	n.a.
26	L2536169-05 MS; 5X	5.0	4.8261	75.1639	2.4330	70.3952	1.8248
27	L2536169-05 MSD; 5X	5.0	4.8896	74.9830	2.3936	69.9137	1.8347
28	L2536169-05; 5X	5.0	2.6039	52.1855	0.4312	29.1284	n.a.
29	XL2536169-10; 5X	5.0	25.3926	69.3765	1.6105	99.9944	n.a.
30	L2536169-11; 5X	5.0	14.0428	93.5261	0.6350	44.0709	0.1973
31	XL2538013-02 BR	1.0	n.a.	n.a.	n.a.	n.a.	n.a.
32	XL2538013-02; 10X	10.0	n.a.	n.a.	n.a.	n.a.	n.a.
33	CCV	1.0	0.9471	9.9419	1.0403	19.4397	0.9369
34	CCB	1.0	0.0318	0.1397	0.0305	0.7430	n.a.
35	L2538013-01 MS	1.0	0.3828	6.9160	5.7932	48.1849	0.3228
36	L2538013-01 MSD	1.0	0.3868	6.8443	5.7803	47.8549	0.3178
37	L2538013-01	1.0	0.0513	2.9922	5.6007	42.2287	0.0425
38	L2538013-03	1.0	0.0389	28.1257	2.5152	13.1655	0.0482
39	L2538013-04	1.0	0.0779	22.0074	1.2247	16.2034	0.0498
40	L2538013-05	1.0	0.0578	14.0056	0.5316	33.2044	0.0621
41	L2538013-06	1.0	0.1091	18.7948	1.0142	38.8202	0.0494
42	L2538013-07	1.0	0.0606	18.3979	1.9888	16.4207	0.0522
43	L2538013-02 BR	1.0	0.0382	28.0326	2.4999	13.3008	0.0470
44	XL2538013-02; 10X	10.0	0.2931	32.1030	2.6807	19.5221	n.a.
45	CCV	1.0	0.9533	9.8805	0.9865	19.2288	0.9297

46	CCB	1.0	0.0299	0.1396	0.0300	0.7388	n.a.
47	L2536247-01 BR	1.0	0.0814	15.4058	0.2202	17.3564	0.0687
48	L2536247-02	1.0	0.0553	26.3240	1.4369	12.8662	0.0670
49	L2536247-03	1.0	0.1090	16.6557	0.2775	21.0356	0.0766
50	L2536247-04	1.0	0.0742	19.1217	0.4304	17.0265	0.0833
51	L2536247-05	1.0	0.0569	28.3957	1.6336	17.9017	0.0709
52	L2536247-06	1.0	0.0409	24.9094	2.2832	11.0893	0.1080
53	L2536247-07	1.0	0.0366	21.0346	5.1374	11.7904	0.0633
54	L2536247-08	1.0	0.0783	10.0824	n.a.	34.0199	0.0548
55	L2536247-09	1.0	0.0567	24.5676	3.1075	15.8165	0.0590
56	XL2536247-09; 10X	10.0	0.3110	26.5483	3.0927	21.5857	n.a.
57	CCV	1.0	0.9555	9.9566	0.9903	19.4505	0.9065
58	CCB	1.0	0.0306	0.1390	0.0311	0.7387	n.a.
59	L2536247-10	1.0	0.0807	18.2126	0.1696	16.5353	0.0707
60	L2536247-11	1.0	0.0719	9.5065	0.4730	10.0117	0.0553
61	L2536247-12 MS	1.0	0.3506	30.4643	2.5373	19.0476	0.4020
62	L2536247-12 MSD	1.0	0.3499	29.4076	2.5423	19.0135	0.3960
63	L2536247-12	1.0	0.0435	26.7799	2.2467	12.5895	0.1082
64	L2536247-13	1.0	0.1569	15.2884	0.1576	14.1601	0.0656
65	XL2536247-14	1.0	0.1128	17.2635	0.1088	18.7273	0.0710
66	XL2536247-15	1.0	0.1077	17.1438	0.0510	14.4309	0.0771
67	XL2536247-16	1.0	0.1208	18.1666	0.4397	17.7952	0.0680
68	XL2536247-16; 10X	10.0	0.3708	19.7154	0.6273	23.7169	0.4011
69	CCV	1.0	0.9825	9.9052	1.0088	19.6158	0.9392
70	CCB	1.0	n.a.	0.1406	0.0306	0.7347	n.a.
71	XL2536247-17	1.0	0.1019	18.1526	0.2174	18.6045	0.0706
72	XL2536247-18	1.0	0.0879	17.7446	0.1647	16.7608	0.0714
73	XL2536247-20	1.0	0.1210	18.1065	0.4417	18.3971	0.0710
74	XL2536418-01 MS; 10X	10.0	4.2986	67.4018	3.8291	163.7549	3.4393
75	XL2536418-01 MSD; 10X	10.0	4.2980	67.2381	3.8381	163.2439	3.4494
76	XL2536418-01	1.0	0.3118	26.4895	n.a.	81.0858	0.0455
77	XL2536418-01; 10X	10.0	0.2777	1.0411	n.a.	7.1376	n.a.
78	XL2536418-02	1.0	0.2784	24.4088	0.0508	61.2483	0.0473
79	XL2536418-03	1.0	0.1765	33.7857	n.a.	64.3867	0.0461
80	XL2536418-03; 10X	10.0	0.4176	34.8312	n.a.	73.2904	n.a.
81	CCV FAIL BR	1.0	0.9986	9.9716	0.9790	19.3936	0.8827
82	CCB	1.0	0.0285	0.1383	0.0311	0.7381	0.0456
83	BLK-2 F	1.0	n.a.	0.0995	n.a.	0.7149	n.a.
84	LCS-2 F	1.0	0.7605	8.0198	0.7653	7.9707	0.7260
85	XL2536418-04	1.0	0.2815	24.0803	0.0462	61.8241	n.a.
86	XL2536418-04; 10X	10.0	0.5112	25.7280	n.a.	71.1913	n.a.
87	CCV FAIL BR	1.0	0.9896	10.0245	0.9742	19.4917	0.8856
88	CCB	1.0	n.a.	0.1373	0.0294	0.7325	n.a.
	Sum:	209.000	105.9667		102.9330	4902.7863	35.4588
	Average:	2.375	1.2767		1.4100	57.6798	0.5719
	Rel.Std.Dev:	121.348 %	2.6497		1.1678	3.1395	1.6382

Inject Time	Comment
21/May/2025 19:51	AU
21/May/2025 20:04	LOT#250516-0.5
21/May/2025 20:16	LOT#250516-1.0
21/May/2025 20:28	LOT#250516-2.0
21/May/2025 20:40	LOT#250516-3.0
21/May/2025 20:52	LOT#250516-4.0
21/May/2025 21:04	LOT#250516-5.0
21/Jun/2025 09:55	NG2081777-860-862
21/Jun/2025 10:07	LOT#250620-C
21/Jun/2025 10:19	CVN
21/Jun/2025 10:31	LOT#250620-I
21/Jun/2025 10:43	CVN
21/Jun/2025 10:55	CVN
21/Jun/2025 11:07	LOT#250620-I
21/Jun/2025 11:20	CVN
21/Jun/2025 11:32	CVN
21/Jun/2025 11:44	CVN
21/Jun/2025 11:56	CVN
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21/Jun/2025 15:01	CVN
21/Jun/2025 15:13	CVN
21/Jun/2025 15:25	CVN
21/Jun/2025 15:37	CVN
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21/Jun/2025 21:04	CVN
21/Jun/2025 21:16	CVN
21/Jun/2025 21:28	CVN
21/Jun/2025 21:40	CVN
21/Jun/2025 21:52	LOT#250620-C
21/Jun/2025 22:04	CVN
21/Jun/2025 22:16	CVN
21/Jun/2025 22:28	CVN
21/Jun/2025 22:40	CVN
21/Jun/2025 22:52	CVN
21/Jun/2025 23:05	CVN
21/Jun/2025 23:17	CVN
21/Jun/2025 23:29	CVN
21/Jun/2025 23:41	CVN
21/Jun/2025 23:53	CVN
22/Jun/2025 00:05	CVN
22/Jun/2025 00:17	LOT#250620-C
22/Jun/2025 00:29	CVN
22/Jun/2025 00:41	CVN
22/Jun/2025 00:53	LOT#250620-I
22/Jun/2025 01:05	CVN
22/Jun/2025 01:18	CVN
22/Jun/2025 01:30	LOT#250620-C
22/Jun/2025 01:42	CVN
	0.000
	#DIV/0!
	#DIV/0!

Quality Control

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2538013-01		
Matrix Spike	: WG2081860-3	**MS Analysis Date**	: 06/21/25 15:01
Matrix Spike Dup	: WG2081860-4	**MSD Analysis Date**	: 06/21/25 15:13

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	0.042J	0.4	0.323	80	Q	0.4	0.318	80	Q	0	90-110	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: L2536418-01		
Matrix Spike	: WG2081861-3	**MS Analysis Date**	: 06/23/25 19:42
Matrix Spike Dup	: WG2081861-4	**MSD Analysis Date**	: 06/23/25 19:54

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	0.048J	0.4	0.283	70	Q	0.4	0.293	74	Q	3	90-110	20

Form 5a
Matrix Spike

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: MW-08A	**Matrix**	: WATER
Lab Sample ID	: L2536247-12		
Matrix Spike	: WG2081862-3	**MS Analysis Date**	: 06/21/25 20:15
Matrix Spike Dup	: WG2081862-4	**MSD Analysis Date**	: 06/21/25 20:27

		Matrix Spike Sample				Matrix Spike Duplicate						
Parameter	**Sample Conc. (mg/l)**	**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**Spike Added (mg/l)**	**Spike Conc. (mg/l)**	**%R**		**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	0.108	0.4	0.402	74	Q	0.4	0.396	72	Q	2	90-110	20

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2081860-2	**LCS Analysis Date**	: 06/21/25 11:07
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	**0.800**	**0.750**	**94.**					**90-110**	**20**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2081861-2	**LCS Analysis Date**	: 06/23/25 17:17
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	**0.800**	**0.755**	**94.**					**90-110**	**20**

Form 7
Laboratory Control Sample

Client	: P. W. Grosser	**Lab Number**	: L2536247
Project Name	: ROANOKE SAND AND GRAVEL	**Project Number**	: BSD1504
Client Sample ID	: NA	**Matrix**	: WATER
Lab Sample ID	: WG2081862-2	**LCS Analysis Date**	: 06/21/25 11:07
Dup Sample ID	:	**LCSD Analysis Date**	:

	Laboratory Control Sample			Laboratory Control Duplicate					
Parameter	**True (mg/l)**	**Found (mg/l)**	**%R**	**True (mg/l)**	**Found (mg/l)**	**%R**	**RPD**	**Recovery Limits**	**RPD Limit**
Bromide	0.800	0.750	94.					90-110	20

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Method	Holding Time	Container/Sample Preservation
Bromide	24959-67-9	0.05	0.0132	mg/l	90-110		90-110	20	20	300.0	28 days	1 - Plastic 250ml unpreserved
Chloride	16887-00-6	0.5	0.0839	mg/l	90-110		64-148	18	18	9056	28 days	1 - Plastic 250ml unpreserved
Chloride	16887-00-6	0.5	0.0839	mg/l	90-110		90-110	18	18	300.0	28 days	1 - Plastic 250ml unpreserved
Fluoride	16984-48-8	0.05	0.037	mg/l	90-110		81-124	15	15	9056	28 days	1 - Plastic 500ml unpreserved
Fluoride	16984-48-8	0.05	0.037	mg/l	90-110		90-110	15	15	300.0	28 days	1 - Plastic 500ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.05	0.0128	mg/l	90-110		90-110	15	15	300.0	48 hours	1 - Plastic 250ml unpreserved
Nitrogen, Nitrate	14797-55-8	0.05	0.0128	mg/l	90-110		80-120	15	15	9056	48 hours	1 - Plastic 250ml unpreserved
Sulfate	14808-79-8	1	0.454	mg/l	90-110		72-124	20	20	9056	28 days	1 - Plastic 500ml unpreserved
Sulfate	14808-79-8	1	0.454	mg/l	90-110		90-110	20	20	300.0	28 days	1 - Plastic 500ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area - y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

ATTACHMENT H

P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, DPC
631.589.6353 • WWW.PWGROSSER.COM • PWGC.INFO@PWGROSSER.COM
BOHEMIA • MANHATTAN • SARATOGA SPRINGS • MONTICELLO • SYRACUSE

Subcontracted Data

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Pace MA
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2536247
Pace Project No.: 50404771

Dear Pace MA:

Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Marty Vitanza, Pace Westborough

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Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: L2536247
Pace Project No.: 50404771

Pace Analytical Services Indianapolis
7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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Indianapolis, IN 46268
(317)228-3100

SAMPLE SUMMARY

Project: L2536247
Pace Project No.: 50404771

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50404771001	MW-06A	Water	06/10/25 12:59	06/17/25 08:45
50404771002	MW-06B	Water	06/10/25 12:50	06/17/25 08:45
50404771003	MW-07A	Water	06/10/25 11:53	06/17/25 08:45
50404771004	MW-07B	Water	06/10/25 12:00	06/17/25 08:45
50404771005	MW-10B	Water	06/10/25 10:00	06/17/25 08:45
50404771006	MW-10A	Water	06/10/25 10:00	06/17/25 08:45
50404771007	MW-09A	Water	06/10/25 09:10	06/17/25 08:45
50404771008	MW-09B	Water	06/10/25 09:15	06/17/25 08:45
50404771009	MW-05B	Water	06/09/25 15:02	06/17/25 08:45
50404771010	MW-05A	Water	06/09/25 15:05	06/17/25 08:45
50404771011	MW-08B	Water	06/09/25 14:20	06/17/25 08:45
50404771012	MW-08A	Water	06/09/25 13:25	06/17/25 08:45
50404771013	MW-02A	Water	06/09/25 12:00	06/17/25 08:45
50404771014	MW-02B	Water	06/09/25 11:45	06/17/25 08:45
50404771015	MW-03B	Water	06/09/25 10:55	06/17/25 08:45
50404771016	MW-03A	Water	06/09/25 10:48	06/17/25 08:45
50404771017	MW-04A	Water	06/09/25 09:28	06/17/25 08:45
50404771018	MW-04B	Water	06/09/25 09:30	06/17/25 08:45
50404771019	DUP001	Water	06/09/25 00:00	06/17/25 08:45

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SAMPLE ANALYTE COUNT

Project: L2536247
Pace Project No.: 50404771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50404771001	MW-06A	EPA 9056	GLT	1
50404771002	MW-06B	EPA 9056	GLT	1
50404771003	MW-07A	EPA 9056	GLT	1
50404771004	MW-07B	EPA 9056	GLT	1
50404771005	MW-10B	EPA 9056	GLT	1
50404771006	MW-10A	EPA 9056	GLT	1
50404771007	MW-09A	EPA 9056	GLT	1
50404771008	MW-09B	EPA 9056	GLT	1
50404771009	MW-05B	EPA 9056	GLT	1
50404771010	MW-05A	EPA 9056	GLT	1
50404771011	MW-08B	EPA 9056	GLT	1
50404771012	MW-08A	EPA 9056	GLT	1
50404771013	MW-02A	EPA 9056	GLT	1
50404771014	MW-02B	EPA 9056	GLT	1
50404771015	MW-03B	EPA 9056	GLT	1
50404771016	MW-03A	EPA 9056	GLT	1
50404771017	MW-04A	EPA 9056	GLT	1
50404771018	MW-04B	EPA 9056	GLT	1
50404771019	DUP001	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-06A Lab ID: 50404771001 Collected: 06/10/25 12:59 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 00:37		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-06B Lab ID: 50404771002 Collected: 06/10/25 12:50 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 00:56		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-07A Lab ID: 50404771003 Collected: 06/10/25 11:53 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 01:15		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-07B Lab ID: 50404771004 Collected: 06/10/25 12:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 01:34		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-10B Lab ID: 50404771005 Collected: 06/10/25 10:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 01:54		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-10A Lab ID: 50404771006 Collected: 06/10/25 10:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 02:51		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-09A Lab ID: 50404771007 Collected: 06/10/25 09:10 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 03:11		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-09B Lab ID: 50404771008 Collected: 06/10/25 09:15 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 03:30		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-05B Lab ID: 50404771009 Collected: 06/09/25 15:02 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 03:49		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-05A Lab ID: 50404771010 Collected: 06/09/25 15:05 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 04:09		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-08B Lab ID: 50404771011 Collected: 06/09/25 14:20 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 04:28		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-08A Lab ID: 50404771012 Collected: 06/09/25 13:25 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 04:47		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-02A Lab ID: 50404771013 Collected: 06/09/25 12:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 05:45		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-02B Lab ID: 50404771014 Collected: 06/09/25 11:45 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 07:21		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-03B Lab ID: 50404771015 Collected: 06/09/25 10:55 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 07:40		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-03A Lab ID: 50404771016 Collected: 06/09/25 10:48 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:00		

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-04A Lab ID: 50404771017 Collected: 06/09/25 09:28 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:19		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-04B Lab ID: 50404771018 Collected: 06/09/25 09:30 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:38		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: DUP001 Lab ID: 50404771019 Collected: 06/09/25 00:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:58		

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QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 50404771

QC Batch: 850027
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50404771001, 50404771002, 50404771003, 50404771004, 50404771005, 50404771006, 50404771007, 50404771008, 50404771009

METHOD BLANK: 3893481 Matrix: Water
Associated Lab Samples: 50404771001, 50404771002, 50404771003, 50404771004, 50404771005, 50404771006, 50404771007, 50404771008, 50404771009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	06/21/25 15:42	

LABORATORY CONTROL SAMPLE: 3893482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3893483 3893484

Parameter	Units	50404796005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	3.9	4.0	79	80	80-120	1	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 50404771

QC Batch: 850029
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50404771010, 50404771011, 50404771012, 50404771013, 50404771014, 50404771015, 50404771016, 50404771017, 50404771018, 50404771019

METHOD BLANK: 3893485 Matrix: Water
Associated Lab Samples: 50404771010, 50404771011, 50404771012, 50404771013, 50404771014, 50404771015, 50404771016, 50404771017, 50404771018, 50404771019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	06/21/25 06:43	

LABORATORY CONTROL SAMPLE: 3893486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3893487 3893488

Parameter	Units	50404771012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.7	4.5	93	90	80-120	3	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2536247
Pace Project No.: 50404771

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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Indianapolis, IN 46268
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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2536247
Pace Project No.: 50404771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50404771001	MW-06A	EPA 9056	850027		
50404771002	MW-06B	EPA 9056	850027		
50404771003	MW-07A	EPA 9056	850027		
50404771004	MW-07B	EPA 9056	850027		
50404771005	MW-10B	EPA 9056	850027		
50404771006	MW-10A	EPA 9056	850027		
50404771007	MW-09A	EPA 9056	850027		
50404771008	MW-09B	EPA 9056	850027		
50404771009	MW-05B	EPA 9056	850027		
50404771010	MW-05A	EPA 9056	850029		
50404771011	MW-08B	EPA 9056	850029		
50404771012	MW-08A	EPA 9056	850029		
50404771013	MW-02A	EPA 9056	850029		
50404771014	MW-02B	EPA 9056	850029		
50404771015	MW-03B	EPA 9056	850029		
50404771016	MW-03A	EPA 9056	850029		
50404771017	MW-04A	EPA 9056	850029		
50404771018	MW-04B	EPA 9056	850029		
50404771019	DUP001	EPA 9056	850029		

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WO# : 50404771

50404771

Pace

Subcontract Chain

Pace Analytical (India[illegible])
7726 Moller Road
Indianapolis, IN 46268

Pace Job Number
L2536247

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 508.439.5155 Email: Marty.Vitanza@pacelabs.com	Project Location: NY Project Manager: Marty Vitanza **Turnaround & Deliverables Information** Due Date: 06/24/25 Deliverables: ASP Category B Deliverables (Level 4)	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2536247 Report to include Method and/or Regulatory required batch QC

Additional Comments: Need Data Package Need Data Package -MS/MSD needed on -12

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2536247-01	MW-06A	06-10-25 12:59	WATER	Iodide EPA 9056			1
	L2536247-02	MW-06B	06-10-25 12:50	WATER	Iodide EPA 9056			1
	L2536247-03	MW-07A	06-10-25 11:53	WATER	Iodide EPA 9056			1
	L2536247-04	MW-07B	06-10-25 12:00	WATER	Iodide EPA 9056			1
	L2536247-05	MW-10B	06-10-25 10:00	WATER	Iodide EPA 9056			1
	L2536247-06	MW-10A	06-10-25 10:00	WATER	Iodide EPA 9056			1
	L2536247-07	MW-09A	06-10-25 09:10	WATER	Iodide EPA 9056			1
	L2536247-08	MW-09B	06-10-25 09:15	WATER	Iodide EPA 9056			1
	L2536247-09	MW-05B	06-09-25 15:02	WATER	Iodide EPA 9056			1
	L2536247-10	MW-05A	06-09-25 15:05	WATER	Iodide EPA 9056			1
	L2536247-11	MW-08B	06-09-25 14:20	WATER	Iodide EPA 9056			1
	L2536247-12	MW-08A	06-09-25 13:25	WATER	Iodide EPA 9056		MS;MSD	3
	L2536247-13	MW-02A	06-09-25 12:00	WATER	Iodide EPA 9056			1
	L2536247-14	MW-02B	06-09-25 11:45	WATER	Iodide EPA 9056			1
	L2536247-15	MW-03B	06-09-25 10:55	WATER	Iodide EPA 9056			1
	L2536247-16	MW-03A	06-09-25 10:48	WATER	Iodide EPA 9056			1
	L2536247-17	MW-04A	06-09-25 09:28	WATER	Iodide EPA 9056			1
	L2536247-18	MW-04B	06-09-25 09:30	WATER	Iodide EPA 9056			1
	L2536247-20	DUP001	06-09-25 00:00	WATER	Iodide EPA 9056			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		6/16/25	fedex	
	fedex	6.17 845		6.17 845
Form No: AL_subcoc				

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CW 6/17 1147

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C (D) E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 1.8/1.8 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap Bubble Bags (None) Other _____

4. Ice Type: (Wet) Blue None

5. Courier: (Fed Ex) UPS Client Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X
Short Hold Time Analysis (48 hours or less)? Analysis:		X
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		X
Custody Signatures Present?	X	
Containers Intact?:	X	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			X
	Present	Absent	N/A
Residual Chlorine Check (SVOC 625 Pest/PCB 608)			X
Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
	Present	Absent	No VOA Vials Sent
Headspace in **VOA Vials** (>6mm): See Containter Count form for details			X
Trip Blank Present?		X	
Trip Blank Custody Seals?:		X	
Extra labels on Terracore Vials? (soils only)			X

Comments:

COC PAGE 1 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1																		1											WT				
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																		A-3															

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 2 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC								OTHER					Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1																		1										WT				
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
GFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
G3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
31S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

Laboratory Report

Report prepared for:
Marty Vitanza
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581
Email: Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:
Debbie S Robertson

Purchase Order:

For further assistance, contact:
Debbie S Robertson
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2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
debbierobertson@galbraith.com

Sample: Job #L2536247 MW-06A
Lab ID: 2025-W-1436 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.42 mg	2025-06-27

Sample: Job #L2536247 MW-06B
Lab ID: 2025-W-1437 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.25 mg	2025-06-27

Sample: Job #L2536247 MW-07A
Lab ID: 2025-W-1438 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.72 mg	2025-06-27

Sample: Job #L2536247 MW-07B
Lab ID: 2025-W-1439 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.38 mg	2025-06-27

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Sample: Job #L2536247 MW-10B
Lab ID: 2025-W-1440 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.12 mg	2025-06-27

Sample: Job #L2536247 MW-10A
Lab ID: 2025-W-1441 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.29 mg	2025-06-27

Sample: Job #L2536247 MW-09A
Lab ID: 2025-W-1442 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.39 mg	2025-06-27

Sample: Job #L2536247 MW-09B
Lab ID: 2025-W-1443 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.46 mg	2025-06-27

Sample: Job #L2536247 MW-05B
Lab ID: 2025-W-1444 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.00 mg	2025-06-27

Sample: Job #L2536247 MW-05A
Lab ID: 2025-W-1445 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.11 mg	2025-06-27

Sample: Job #L2536247 MW-08B

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Lab ID: 2025-W-1446 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	210.96 mg	2025-06-27

Sample: Job #L2536247 MW-08A
Lab ID: 2025-W-1447 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.30 mg	2025-06-27

Sample: Job #L2536247 MW-08A-MS
Lab ID: 2025-W-1448 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.32 mg	2025-06-27

Sample: Job #L2536247 MW-08A-MSD
Lab ID: 2025-W-1449 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.58 mg	2025-06-27

Sample: Job #L2536247 MW-02A
Lab ID: 2025-W-1450 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	210.59 mg	2025-06-27

Sample: Job #L2536247 MW-02B
Lab ID: 2025-W-1451 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.88 mg	2025-06-27

Sample: Job #L2536247 MW-03B
Lab ID: 2025-W-1452 **Received:** 2025-06-17

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Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.96 mg	2025-06-27

Sample: Job #L2536247 MW-03A
Lab ID: 2025-W-1453 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.49 mg	2025-06-27

Sample: Job #L2536247 MW-04A
Lab ID: 2025-W-1454 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.74 mg	2025-06-27

Sample: Job #L2536247 MW-04B
Lab ID: 2025-W-1455 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.17 mg	2025-06-27

Sample: Job #L2536247 DUP001
Lab ID: 2025-W-1456 **Received:** 2025-06-17

Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.37 mg	2025-06-27

Signatures:

Created By: Debbie.S.Robertson 2025-06-30T19:24:37.643-04:00
Published By: Debbie.S.Robertson 2025-06-30T19:24:58.187-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

July 08, 2025

Reports
Pace - West Borough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2536247
Pace Project No.: 70361011

Dear Reports:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alexandria Correa

Alexandria Correa for
Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Marty Vitanza, Alpha

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: L2536247
Pace Project No.: 70361011

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

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SAMPLE SUMMARY

Project: L2536247
Pace Project No.: 70361011

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70361011001	**MW-06A**	Water	06/10/25 12:59	06/14/25 08:20
70361011002	**MW-06B**	Water	06/10/25 12:50	06/14/25 08:20
70361011003	**MW-07A**	Water	06/10/25 11:53	06/14/25 08:20
70361011004	**MW-07B**	Water	06/10/25 12:00	06/14/25 08:20
70361011005	**MW-10B**	Water	06/10/25 10:00	06/14/25 08:20
70361011006	**MW-10A**	Water	06/10/25 10:00	06/14/25 08:20
70361011007	**MW-09A**	Water	06/10/25 09:10	06/14/25 08:20
70361011008	**MW-09B**	Water	06/10/25 09:15	06/14/25 08:20
70361011009	**MW-05B**	Water	06/09/25 15:02	06/14/25 08:20
70361011010	**MW-05A**	Water	06/09/25 15:05	06/14/25 08:20
70361011011	**MW-08B**	Water	06/09/25 14:20	06/14/25 08:20
70361011012	**MW-08A**	Water	06/09/25 13:25	06/14/25 08:20
70361011013	**MW-02A**	Water	06/09/25 12:00	06/14/25 08:20
70361011014	**MW-02B**	Water	06/09/25 11:45	06/14/25 08:20
70361011015	**MW-03B**	Water	06/09/25 10:55	06/14/25 08:20
70361011016	**MW-03A**	Water	06/09/25 10:48	06/14/25 08:20
70361011017	**MW-04A**	Water	06/09/25 09:28	06/14/25 08:20
70361011018	**MW-04B**	Water	06/09/25 09:30	06/14/25 08:20
70361011019	**DUP001**	Water	06/09/25 00:00	06/14/25 08:20

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SAMPLE ANALYTE COUNT

Project: L2536247
Pace Project No.: 70361011

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70361011001	**MW-06A**	SM 4500-S2 F-2011	JWM	1
70361011002	**MW-06B**	SM 4500-S2 F-2011	JWM	1
70361011003	**MW-07A**	SM 4500-S2 F-2011	JWM	1
70361011004	**MW-07B**	SM 4500-S2 F-2011	JWM	1
70361011005	**MW-10B**	SM 4500-S2 F-2011	JWM	1
70361011006	**MW-10A**	SM 4500-S2 F-2011	JWM	1
70361011007	**MW-09A**	SM 4500-S2 F-2011	JWM	1
70361011008	**MW-09B**	SM 4500-S2 F-2011	JWM	1
70361011009	**MW-05B**	SM 4500-S2 F-2011	JWM	1
70361011010	**MW-05A**	SM 4500-S2 F-2011	JWM	1
70361011011	**MW-08B**	SM 4500-S2 F-2011	JWM	1
70361011012	**MW-08A**	SM 4500-S2 F-2011	JWM	1
70361011013	**MW-02A**	SM 4500-S2 F-2011	JWM	1
70361011014	**MW-02B**	SM 4500-S2 F-2011	JWM	1
70361011015	**MW-03B**	SM 4500-S2 F-2011	JWM	1
70361011016	**MW-03A**	SM 4500-S2 F-2011	JWM	1
70361011017	**MW-04A**	SM 4500-S2 F-2011	JWM	1
70361011018	**MW-04B**	SM 4500-S2 F-2011	JWM	1
70361011019	**DUP001**	SM 4500-S2 F-2011	JWM	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: L2536247
Pace Project No.: 70361011

Method: **SM 4500-S2 F-2011**
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: July 08, 2025

General Information:
19 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- DUP001 (Lab ID: 70361011019)
- MW-02A (Lab ID: 70361011013)
- MW-02B (Lab ID: 70361011014)
- MW-03A (Lab ID: 70361011016)
- MW-03B (Lab ID: 70361011015)
- MW-04A (Lab ID: 70361011017)
- MW-04B (Lab ID: 70361011018)
- MW-05A (Lab ID: 70361011010)
- MW-05B (Lab ID: 70361011009)
- MW-08A (Lab ID: 70361011012)
- MW-08B (Lab ID: 70361011011)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 407814

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70361011012

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 2160298)
  - Sulfide
- MSD (Lab ID: 2160299)
  - Sulfide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-06A **Lab ID: 70361011001** Collected: 06/10/25 12:59 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 14:55		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-06B **Lab ID: 70361011002** Collected: 06/10/25 12:50 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 14:58		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-07A **Lab ID: 70361011003** Collected: 06/10/25 11:53 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:01		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-07B **Lab ID: 70361011004** Collected: 06/10/25 12:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:05		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-10B **Lab ID: 70361011005** Collected: 06/10/25 10:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:08		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-10A **Lab ID: 70361011006** Collected: 06/10/25 10:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:11		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-09A **Lab ID: 70361011007** Collected: 06/10/25 09:10 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:14		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-09B **Lab ID: 70361011008** Collected: 06/10/25 09:15 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:18		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-05B **Lab ID: 70361011009** Collected: 06/09/25 15:02 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:22		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-05A **Lab ID: 70361011010** Collected: 06/09/25 15:05 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:25		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-08B **Lab ID: 70361011011** Collected: 06/09/25 14:20 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:28		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-08A **Lab ID: 70361011012** Collected: 06/09/25 13:25 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**0.40J**	mg/L	2.0	0.20	1		07/07/25 15:24		H1,M1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-02A **Lab ID: 70361011013** Collected: 06/09/25 12:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:31		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-02B **Lab ID: 70361011014** Collected: 06/09/25 11:45 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:34		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-03B **Lab ID: 70361011015** Collected: 06/09/25 10:55 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:38		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-03A **Lab ID: 70361011016** Collected: 06/09/25 10:48 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:35		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-04A **Lab ID: 70361011017** Collected: 06/09/25 09:28 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:38		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-04B **Lab ID: 70361011018** Collected: 06/09/25 09:30 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:41		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: DUP001 **Lab ID: 70361011019** Collected: 06/09/25 00:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:44		H1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 70361011

QC Batch: 404805
QC Batch Method: SM 4500-S2 F-2011
Analysis Method: SM 4500-S2 F-2011
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70361011001, 70361011002, 70361011003, 70361011004, 70361011005, 70361011006, 70361011007, 70361011008

METHOD BLANK: 2141360 Matrix: Water
Associated Lab Samples: 70361011001, 70361011002, 70361011003, 70361011004, 70361011005, 70361011006, 70361011007, 70361011008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	06/17/25 14:50	

LABORATORY CONTROL SAMPLE & LCSD: 2141361 2141362

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.1	14.0	100	100	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 70361011

QC Batch: 407258
QC Batch Method: SM 4500-S2 F-2011
Analysis Method: SM 4500-S2 F-2011
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70361011009, 70361011010, 70361011011, 70361011013, 70361011014, 70361011015

METHOD BLANK: 2156548 Matrix: Water
Associated Lab Samples: 70361011009, 70361011010, 70361011011, 70361011013, 70361011014, 70361011015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	07/02/25 15:07	

LABORATORY CONTROL SAMPLE & LCSD: 2156549 2156767

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 70361011

QC Batch: 407814 | Analysis Method: SM 4500-S2 F-2011
QC Batch Method: SM 4500-S2 F-2011 | Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70361011012, 70361011016, 70361011017, 70361011018, 70361011019

METHOD BLANK: 2160296 Matrix: Water
Associated Lab Samples: 70361011012, 70361011016, 70361011017, 70361011018, 70361011019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	07/07/25 15:20	

LABORATORY CONTROL SAMPLE: 2160297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	14	14.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160298 2160299

Parameter	Units	70361011012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.40J	2.8	2.8	1.5J	1.5J	39	40	70-130		20	H1,M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALIFIERS

Project: L2536247
Pace Project No.: 70361011

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2536247
Pace Project No.: 70361011

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70361011001	**MW-06A**	SM 4500-S2 F-2011	404805		
70361011002	**MW-06B**	SM 4500-S2 F-2011	404805		
70361011003	**MW-07A**	SM 4500-S2 F-2011	404805		
70361011004	**MW-07B**	SM 4500-S2 F-2011	404805		
70361011005	**MW-10B**	SM 4500-S2 F-2011	404805		
70361011006	**MW-10A**	SM 4500-S2 F-2011	404805		
70361011007	**MW-09A**	SM 4500-S2 F-2011	404805		
70361011008	**MW-09B**	SM 4500-S2 F-2011	404805		
70361011009	**MW-05B**	SM 4500-S2 F-2011	407258		
70361011010	**MW-05A**	SM 4500-S2 F-2011	407258		
70361011011	**MW-08B**	SM 4500-S2 F-2011	407258		
70361011012	**MW-08A**	SM 4500-S2 F-2011	407814		
70361011013	**MW-02A**	SM 4500-S2 F-2011	407258		
70361011014	**MW-02B**	SM 4500-S2 F-2011	407258		
70361011015	**MW-03B**	SM 4500-S2 F-2011	407258		
70361011016	**MW-03A**	SM 4500-S2 F-2011	407814		
70361011017	**MW-04A**	SM 4500-S2 F-2011	407814		
70361011018	**MW-04B**	SM 4500-S2 F-2011	407814		
70361011019	**DUP001**	SM 4500-S2 F-2011	407814		

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WO#:70361011

70361011

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2536247

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 508.439.5155 Email: Marty.Vitanza@pacelabs.com	Project Location: NY Project Manager: Marty Vitanza **Turnaround & Deliverables Information** Due Date: 06/24/25 Deliverables: ASP Category B Deliverables (Level 4)	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2536247 Report to include Method and/or Regulatory required batch QC

Additional Comments: Need Data Package Need Data Package -MS/MSD needed on -12

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2536247-01	MW-06A	06-10-25 12:59	WATER	Sulfide			1
	L2536247-02	MW-06B	06-10-25 12:50	WATER	Sulfide			1
	L2536247-03	MW-07A	06-10-25 11:53	WATER	Sulfide			1
	L2536247-04	MW-07B	06-10-25 12:00	WATER	Sulfide			1
	L2536247-05	MW-10B	06-10-25 10:00	WATER	Sulfide			1
	L2536247-06	MW-10A	06-10-25 10:00	WATER	Sulfide			1
	L2536247-07	MW-09A	06-10-25 09:10	WATER	Sulfide			1
	L2536247-08	MW-09B	06-10-25 09:15	WATER	Sulfide			1
	L2536247-09	MW-05B	06-09-25 15:02	WATER	Sulfide			1
	L2536247-10	MW-05A	06-09-25 15:05	WATER	Sulfide			1
	L2536247-11	MW-08B	06-09-25 14:20	WATER	Sulfide			1
	L2536247-12	MW-08A	06-09-25 13:25	WATER	Sulfide		MS;MSD	3
	L2536247-13	MW-02A	06-09-25 12:00	WATER	Sulfide			1
	L2536247-14	MW-02B	06-09-25 11:45	WATER	Sulfide			1
	L2536247-15	MW-03B	06-09-25 10:55	WATER	Sulfide			1
	L2536247-16	MW-03A	06-09-25 10:48	WATER	Sulfide			1
	L2536247-17	MW-04A	06-09-25 09:28	WATER	Sulfide			1
	L2536247-18	MW-04B	06-09-25 09:30	WATER	Sulfide			1
	L2536247-20	DUP001	06-09-25 00:00	WATER	Sulfide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		6/13/25 1712		6/13 1712
		6/13		
	Oman	6/14/25 8:20		6/14/25, 8:20
Form No: AL_subcoc				

DC#_Title: ENV-FRM-MELV-0150 v2_Sample Container Count Melville
Effective Date: 4/12/2024

WO#: 70361011

PM: BDR **Due Date: 06/30/25**

CLIENT: ALPHA

Client: ALPHA

Work ID: L2536247

Profile #: 10350

COC Page 1 of 2

☐ u

☐ Add [illegible] to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC
1																																										1																					
2																																											1																					
3																																											1																					
4																																											1																					
5																																											1																					
6																																											1																					
7																																											1																					
8																																											1																					
9																																											1																					
10																																											1																					
11																																											1																					
12																																											3																					

Container Codes

Glass				Plastic	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
WG9O	8oz clear soil jar	AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	BP3R	250mL NH4SO4-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unpreserved plastic

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials: [illegible]

Additional Comments

DC#_Title: ENV-FRM-MELV-0150 v2_Sample Container Count Melville
Effective Date: 4/12/2024

Client: ALPHA

Work ID: L2536247

Profile #: 10350

COC Page 2 of 2

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC				
13																																										1																															
14																																										1																															
15																																										1																															
16																																										1																															
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Container Codes

Glass				Plastic	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
WG9O	8oz clear soil jar	AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	BP3R	250mL NH4SO4-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unpreserved plastic

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAclelic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials: [signature]

Additional Comments

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70361011
PM: BDR **Due Date: 06/30/25**
CLIENT: ALPHA

Client Name: Alpha **Project**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☑No **Seals intact:** ☐ Yes ☑ No **Temperature Blank Present:** ☑ Yes ☐ No
Packing Material: ☐Bubble Wrap ☐ Bubble Bags ☑ Ziploc ☐ None ☐ Other **Type of Ice:** (Wet) Blue None

Thermometer Used: TH214 **Correction Factor:** 0.2 ☐Samples on ice, cooling process has begun
Cooler Temperature(°C): 0.8 **Cooler Temperature Corrected(°C):** 1.0 **Date/Time 5035A kits placed in freezer** _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: JH 6/14/25

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1
Chain of Custody Filled Out:	☑Yes	☐No		2
Chain of Custody Relinquished:	☑Yes	☐No		3
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4
Samples Arrived within Hold Time:	☑Yes	☐No		5
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6
Rush Turn Around Time Requested:	☐Yes	☑No		7
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8
Correct Containers Used:	☑Yes	☐No		9
-Pace Containers Used	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes	☐No		12

Date and Initials of person checking preservation: SLH 6/14/25

All containers needing preservation have been pH paper Lot #	☐Yes	☐No	☑N/A	13 ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☐Yes	☐No	☑N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water) Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination: KI starch test strips Lot # Residual chlorine strips Lot #	☐Yes	☐No	☑N/A	14 Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf Lead Acetate Strips Lot #	☐Yes	☐No	☑N/A	15 Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16
Trip Blank Present:	☐Yes	☐No	☑N/A	17
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: **Field Data Required?** Y / N
Person Contacted: **Date/Time:**
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50404771

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InOrganic

Ion Chromatography

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

June 25, 2025

Pace MA
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2536247
Pace Project No.: 50404771

Dear Pace MA:

Enclosed are the analytical results for sample(s) received by the laboratory on June 17, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Marty Vitanza, Pace Westborough

Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

CERTIFICATIONS

Project: L2536247
Pace Project No.: 50404771

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076
Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2536247
Pace Project No.: 50404771

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50404771001	**MW-06A**	Water	06/10/25 12:59	06/17/25 08:45
50404771002	**MW-06B**	Water	06/10/25 12:50	06/17/25 08:45
50404771003	**MW-07A**	Water	06/10/25 11:53	06/17/25 08:45
50404771004	**MW-07B**	Water	06/10/25 12:00	06/17/25 08:45
50404771005	**MW-10B**	Water	06/10/25 10:00	06/17/25 08:45
50404771006	**MW-10A**	Water	06/10/25 10:00	06/17/25 08:45
50404771007	**MW-09A**	Water	06/10/25 09:10	06/17/25 08:45
50404771008	**MW-09B**	Water	06/10/25 09:15	06/17/25 08:45
50404771009	**MW-05B**	Water	06/09/25 15:02	06/17/25 08:45
50404771010	**MW-05A**	Water	06/09/25 15:05	06/17/25 08:45
50404771011	**MW-08B**	Water	06/09/25 14:20	06/17/25 08:45
50404771012	**MW-08A**	Water	06/09/25 13:25	06/17/25 08:45
50404771013	**MW-02A**	Water	06/09/25 12:00	06/17/25 08:45
50404771014	**MW-02B**	Water	06/09/25 11:45	06/17/25 08:45
50404771015	**MW-03B**	Water	06/09/25 10:55	06/17/25 08:45
50404771016	**MW-03A**	Water	06/09/25 10:48	06/17/25 08:45
50404771017	**MW-04A**	Water	06/09/25 09:28	06/17/25 08:45
50404771018	**MW-04B**	Water	06/09/25 09:30	06/17/25 08:45
50404771019	**DUP001**	Water	06/09/25 00:00	06/17/25 08:45

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SAMPLE ANALYTE COUNT

Project: L2536247
Pace Project No.: 50404771

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50404771001	**MW-06A**	EPA 9056	GLT	1
50404771002	**MW-06B**	EPA 9056	GLT	1
50404771003	**MW-07A**	EPA 9056	GLT	1
50404771004	**MW-07B**	EPA 9056	GLT	1
50404771005	**MW-10B**	EPA 9056	GLT	1
50404771006	**MW-10A**	EPA 9056	GLT	1
50404771007	**MW-09A**	EPA 9056	GLT	1
50404771008	**MW-09B**	EPA 9056	GLT	1
50404771009	**MW-05B**	EPA 9056	GLT	1
50404771010	**MW-05A**	EPA 9056	GLT	1
50404771011	**MW-08B**	EPA 9056	GLT	1
50404771012	**MW-08A**	EPA 9056	GLT	1
50404771013	**MW-02A**	EPA 9056	GLT	1
50404771014	**MW-02B**	EPA 9056	GLT	1
50404771015	**MW-03B**	EPA 9056	GLT	1
50404771016	**MW-03A**	EPA 9056	GLT	1
50404771017	**MW-04A**	EPA 9056	GLT	1
50404771018	**MW-04B**	EPA 9056	GLT	1
50404771019	**DUP001**	EPA 9056	GLT	1

PASI-I = Pace Analytical Services - Indianapolis

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Pace Analytical Services, LLC
7726 Moller Road
Indianapolis, IN 46268
(317)228-3100

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-06A **Lab ID: 50404771001** Collected: 06/10/25 12:59 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 00:37		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-06B **Lab ID: 50404771002** Collected: 06/10/25 12:50 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 00:56		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-07A **Lab ID: 50404771003** Collected: 06/10/25 11:53 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 01:15		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-07B **Lab ID: 50404771004** Collected: 06/10/25 12:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 01:34		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-10B **Lab ID: 50404771005** Collected: 06/10/25 10:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 01:54		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-10A **Lab ID: 50404771006** Collected: 06/10/25 10:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 02:51		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-09A **Lab ID: 50404771007** Collected: 06/10/25 09:10 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 03:11		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-09B **Lab ID: 50404771008** Collected: 06/10/25 09:15 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 03:30		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-05B **Lab ID: 50404771009** Collected: 06/09/25 15:02 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 03:49		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-05A **Lab ID: 50404771010** Collected: 06/09/25 15:05 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 04:09		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-08B **Lab ID: 50404771011** Collected: 06/09/25 14:20 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 04:28		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-08A **Lab ID: 50404771012** Collected: 06/09/25 13:25 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 04:47		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-02A **Lab ID: 50404771013** Collected: 06/09/25 12:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 05:45		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-02B **Lab ID: 50404771014** Collected: 06/09/25 11:45 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 07:21		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-03B **Lab ID: 50404771015** Collected: 06/09/25 10:55 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 07:40		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-03A **Lab ID: 50404771016** Collected: 06/09/25 10:48 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:00		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-04A **Lab ID: 50404771017** Collected: 06/09/25 09:28 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:19		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: MW-04B **Lab ID: 50404771018** Collected: 06/09/25 09:30 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:38		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 50404771

Sample: DUP001 **Lab ID: 50404771019** Collected: 06/09/25 00:00 Received: 06/17/25 08:45 Matrix: Water

Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC	Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis								
Iodide	ND	mg/L	0.50	0.15	1		06/21/25 08:58		

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QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 50404771

QC Batch: 850027 | Analysis Method: EPA 9056
QC Batch Method: EPA 9056 | Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50404771001, 50404771002, 50404771003, 50404771004, 50404771005, 50404771006, 50404771007, 50404771008, 50404771009

METHOD BLANK: 3893481 Matrix: Water
Associated Lab Samples: 50404771001, 50404771002, 50404771003, 50404771004, 50404771005, 50404771006, 50404771007, 50404771008, 50404771009

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	06/21/25 15:42	

LABORATORY CONTROL SAMPLE: 3893482

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3893483 3893484

Parameter	Units	50404796005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	3.9	4.0	79	80	80-120	1	15	M0

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 50404771

QC Batch: 850029
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 Iodide by IC
Laboratory: Pace Analytical Services - Indianapolis
Associated Lab Samples: 50404771010, 50404771011, 50404771012, 50404771013, 50404771014, 50404771015, 50404771016, 50404771017, 50404771018, 50404771019

METHOD BLANK: 3893485 Matrix: Water
Associated Lab Samples: 50404771010, 50404771011, 50404771012, 50404771013, 50404771014, 50404771015, 50404771016, 50404771017, 50404771018, 50404771019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	06/21/25 06:43	

LABORATORY CONTROL SAMPLE: 3893486

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	4.9	99	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3893487 3893488

Parameter	Units	50404771012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.7	4.5	93	90	80-120	3	15	

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(317)228-3100

QUALIFIERS

Project: L2536247
Pace Project No.: 50404771

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

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Indianapolis, IN 46268
(317)228-3100

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2536247
Pace Project No.: 50404771

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50404771001	**MW-06A**	EPA 9056	850027		
50404771002	**MW-06B**	EPA 9056	850027		
50404771003	**MW-07A**	EPA 9056	850027		
50404771004	**MW-07B**	EPA 9056	850027		
50404771005	**MW-10B**	EPA 9056	850027		
50404771006	**MW-10A**	EPA 9056	850027		
50404771007	**MW-09A**	EPA 9056	850027		
50404771008	**MW-09B**	EPA 9056	850027		
50404771009	**MW-05B**	EPA 9056	850027		
50404771010	**MW-05A**	EPA 9056	850029		
50404771011	**MW-08B**	EPA 9056	850029		
50404771012	**MW-08A**	EPA 9056	850029		
50404771013	**MW-02A**	EPA 9056	850029		
50404771014	**MW-02B**	EPA 9056	850029		
50404771015	**MW-03B**	EPA 9056	850029		
50404771016	**MW-03A**	EPA 9056	850029		
50404771017	**MW-04A**	EPA 9056	850029		
50404771018	**MW-04B**	EPA 9056	850029		
50404771019	**DUP001**	EPA 9056	850029		

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WO# : 50404771

50404771

Pace

Subcontract Chain

Pace Analytical (India[illegible])
7726 Moller Road
Indianapolis, IN 46268

Pace Job Number
L2536247

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 508.439.5155 Email: Marty.Vitanza@pacelabs.com	Project Location: NY Project Manager: Marty Vitanza **Turnaround & Deliverables Information** Due Date: 06/24/25 Deliverables: ASP Category B Deliverables (Level 4)	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2536247 Report to include Method and/or Regulatory required batch QC

Additional Comments: Need Data Package Need Data Package -MS/MSD needed on -12

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2536247-01	MW-06A	06-10-25 12:59	WATER	Iodide EPA 9056			1
	L2536247-02	MW-06B	06-10-25 12:50	WATER	Iodide EPA 9056			1
	L2536247-03	MW-07A	06-10-25 11:53	WATER	Iodide EPA 9056			1
	L2536247-04	MW-07B	06-10-25 12:00	WATER	Iodide EPA 9056			1
	L2536247-05	MW-10B	06-10-25 10:00	WATER	Iodide EPA 9056			1
	L2536247-06	MW-10A	06-10-25 10:00	WATER	Iodide EPA 9056			1
	L2536247-07	MW-09A	06-10-25 09:10	WATER	Iodide EPA 9056			1
	L2536247-08	MW-09B	06-10-25 09:15	WATER	Iodide EPA 9056			1
	L2536247-09	MW-05B	06-09-25 15:02	WATER	Iodide EPA 9056			1
	L2536247-10	MW-05A	06-09-25 15:05	WATER	Iodide EPA 9056			1
	L2536247-11	MW-08B	06-09-25 14:20	WATER	Iodide EPA 9056			1
	L2536247-12	MW-08A	06-09-25 13:25	WATER	Iodide EPA 9056		MS;MSD	3
	L2536247-13	MW-02A	06-09-25 12:00	WATER	Iodide EPA 9056			1
	L2536247-14	MW-02B	06-09-25 11:45	WATER	Iodide EPA 9056			1
	L2536247-15	MW-03B	06-09-25 10:55	WATER	Iodide EPA 9056			1
	L2536247-16	MW-03A	06-09-25 10:48	WATER	Iodide EPA 9056			1
	L2536247-17	MW-04A	06-09-25 09:28	WATER	Iodide EPA 9056			1
	L2536247-18	MW-04B	06-09-25 09:30	WATER	Iodide EPA 9056			1
	L2536247-20	DUP001	06-09-25 00:00	WATER	Iodide EPA 9056			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		6/16/25	fedex	
	fedex	6.17 845		6.17 845
Form No: AL_subcoc				

Pace

SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: CW 6/17 1147

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C (D) E F G H I

2. Cooler Temperature(s): (Initial/Corrected) 1.8/1.8 | | | |

RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)

3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes No

Cooler temp should be above freezing to 6°C

If the PM was contacted in the comments below please write how they instructed the project to proceed

3. Packing Material: Bubble Wrap Bubble Bags (None) Other _____

4. Ice Type: (Wet) Blue None

5. Courier: (Fed Ex) UPS Client Pace Now/Jett Other

6. Custody Seal on Cooler/Box Present: Yes (No)

(If yes)Seals Intact: Yes No **(leave blank if no seals were present)**

All discrepancies will be written out in the comments section below.

	Yes	No
USDA Regulated Soils? (HI, ID, NY, WA, OR,CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		X
Short Hold Time Analysis (48 hours or less)? Analysis:		X
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:	
Rush TAT Requested (4 days or less):		X
Custody Signatures Present?	X	
Containers Intact?:	X	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	X	

	Yes	No	N/A
All containers needing acid/base preservation have been pH CHECKED?: **Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl.** **Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9)** Any non-conformance to pH recommendations will be noted on the container count form			X
Residual Chlorine Check (SVOC 625 Pest/PCB 608)	Present	Absent	N/A X
Residual Chlorine Check (Total/Amenable/Free Cyanide)			X
Headspace in **VOA Vials** (>6mm): See Containter Count form for details	Present	Absent	No VOA Vials Sent X
Trip Blank Present?		X	
Trip Blank Custody Seals?:		X	
Extra labels on Terracore Vials? (soils only)			X

Comments:

COC PAGE 1 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER					Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
COC Line Item	WGFU	WGKU BG1U	MeOH (only) SBS DI R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit							
1																		1											WT				
2																																	
3																																	
4																																	
5																																	
6																																	
7																																	
8																																	
9																																	
10																																	
11																																	
12																																	

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass

Plastic

BP1B	1L NaOH plastic
BP1N	1L HNO3 plastic
BP1S	1L H2SO4 plastic
BP1U	1L unpreserved plastic
BP1Z	1L NaOH, Zn, Ac
BP2N	500mL HNO3 plastic
BP2C	500mL NaOH plastic
BP2S	500mL H2SO4 plastic
BP2U	500mL unpreserved plastic
BP2Z	500mL NaOH, Zn Ac
BP3B	250mL NaOH plastic
BP3N	250mL HNO3 plastic
BP3F	250mL HNO3 plastic-field filtered
BP3U	250mL unpreserved plastic
BP3S	250mL H2SO4 plastic
BP3Z	250mL NaOH, ZnAc plastic
NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

COC PAGE 2 of 2

Sample Container Count

** Place a PINK dot on containers that are out of conformance **

									AMBER GLASS							PLASTIC									OTHER								
			MeOH (only)																													
			SBS																													
			DI																													
COC Line Item	WGFU	WGKU BG1U	R	DG9H VG9H	VOA VIAL HS (>6mm)	VG9U DG9U	VG9T	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z	CG3H	CG3F	Syringe Kit			Matrix	Nitric Red HNO3 <2	Sulfuric Yellow H2SO4 <2	Sodium Hydroxide Green NaOH >10	Sodium Hydroxide/ ZnAc Black NaOH/Zn Ac >9
1																		1										WT				
2																																
3																																
4																																
5																																
6																																
7																																
8																																
9																																
10																																
11																																
12																																

Container Codes

Glass

DG9H	40mL HCl amber voa vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic
VG9T	40mL Na Thio. clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic
GFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered
G3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic
G1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic
31S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic

Plastic

NT3U	Non Teflon 250mL unpreserved plastic
BP4U	125mL unpreserved plastic
BP4N	125mL HNO3 plastic
BP4S	125mL H2SO4 plastic

Miscellaneous

Syringe Kit	LL Cr+6 sampling kit
ZPLC	Ziploc Bag
R	Terracore Kit
SP5T	120mL Coliform Sodium Thiosulfate
GN	General Container
U	Summa Can (air sample)
WT	Water
SL	Solid
OL:	Oil
NAL	Non-aqueous liquid
WP	Wipe

SAMPLE NO.

MW-06A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771001 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 00:37

SAMPLE NO.

MW-06B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771002 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 00:56

SAMPLE NO.

MW-07A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771003 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 01:15

SAMPLE NO.

MW-07B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771004 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 01:34

SAMPLE NO.

MW-10B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771005 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 01:54

SAMPLE NO.

MW-10A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771006 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 02:51

SAMPLE NO.

MW-09A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771007 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 03:11

SAMPLE NO.

MW-09B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771008 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 03:30

SAMPLE NO.

MW-05B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771009 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 03:49

SAMPLE NO.

MW-05A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771010 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 04:09

SAMPLE NO.

MW-08B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771011 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 04:28

SAMPLE NO.

MW-08A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771012 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 04:47

SAMPLE NO.

MW-02A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771013 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 05:45

SAMPLE NO.

MW-02B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771014 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 07:21

SAMPLE NO.

MW-03B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771015 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 07:40

SAMPLE NO.

MW-03A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771016 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 08:00

SAMPLE NO.

MW-04A

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771017 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 08:19

SAMPLE NO.

MW-04B

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771018 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 08:38

SAMPLE NO.

DUP001

FORM I INORGANIC-1

INORGANIC ANALYSIS DATA SHEET

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Lab Sample ID: 50404771019 Percent Moisture:

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/21/2025 08:58

FORM II INORGANIC-1

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Initial Calibration Verification Source: 412748

Continuing Calibration Verification Source: 412749

Concentration Units: mg/L Instrument ID: 50IC04

	Initial Calibration Verification				Continuing Calibration Verification						
	04/11/2025 09:03				06/20/2025 22:22			06/21/2025 02:13			
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	Control Limit
Iodide	5.0	5.1	102.5	90-110	1.0	0.93	92.6	1.0	0.99	99.0	90-110

FORM II INORGANIC-2

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 412749

Concentration Units: mg/L Instrument ID: 50IC04

	Continuing Calibration Verification									
	06/21/2025 06:04			06/21/2025 09:55			06/21/2025 13:47			Control Limit
Analyte	True	Found	%R	True	Found	%R	True	Found	%R	
Iodide	1.0	0.92	92.2	1.0	0.96	96.3	1.0	0.96	95.8	90-110

FORM II INORGANIC-3

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Initial Calibration Verification Source:

Continuing Calibration Verification Source: 412749

Concentration Units: mg/L Instrument ID: 50IC04

	Continuing Calibration Verification			
	06/21/2025 16:21			Control Limit
Analyte	True	Found	%R	
Iodide	1.0	0.94	94.2	90-110

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract : L2536247

Method Blank Matrix: Water Instrument ID: 50IC04

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	04/11/2025 09:22	C	06/20/2025 22:41	C	06/21/2025 02:32	C	06/21/2025 06:23	C	3893485	C
Iodide	0.034	U	0.034	U	0.034	U	0.034	U	ND	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract : L2536247

Method Blank Matrix: Water Instrument ID: 50IC04

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank (mg/L)						Method Blank	
		C	06/21/2025 10:15	C	06/21/2025 14:06	C	06/21/2025 16:40	C	3893481	C
Iodide			0.034	U	0.034	U	0.034	U	ND	U

SAMPLE NO.

3893483MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water Basis: Wet Parent Sample ID: 50404796005

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	3.9	ND	5.0	79*

* Spike Recovery outside QC Limits

SAMPLE NO.

3893484MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water Basis: Wet Parent Sample ID: 50404796005

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	4.0	ND	5.0	80

SAMPLE NO.

3893487MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water Basis: Wet Parent Sample ID: MW-08A

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	4.7	ND	5.0	93

SAMPLE NO.

3893488MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water Basis: Wet Parent Sample ID: MW-08A

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	4.5	ND	5.0	90

SAMPLE NO.

3893484MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Iodide	15	3.9	4.0	1

SAMPLE NO.

3893488MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Iodide	15	4.7	4.5	3

SAMPLE NO.

3893482LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Iodide	mg/L	5.0	4.9	99	80	120

SAMPLE NO.

3893486LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Iodide	mg/L	5.0	4.9	99	80	120

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Preparation Method: EPA 9056 Batch: GCSV 60952

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
3893481	3893481BLANK	06/21/2025	10	10
3893482	3893482LCS	06/21/2025	10	10
3893483	3893483MS	06/20/2025	10	10
3893484	3893484MSD	06/20/2025	10	10
50404771001	MW-06A	06/21/2025	10	10
50404771002	MW-06B	06/21/2025	10	10
50404771003	MW-07A	06/21/2025	10	10
50404771004	MW-07B	06/21/2025	10	10
50404771005	MW-10B	06/21/2025	10	10
50404771006	MW-10A	06/21/2025	10	10
50404771007	MW-09A	06/21/2025	10	10
50404771008	MW-09B	06/21/2025	10	10
50404771009	MW-05B	06/21/2025	10	10

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Preparation Method: EPA 9056 Batch: GCSV 60953

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
3893485	3893485BLANK	06/21/2025	10	10
3893486	3893486LCS	06/21/2025	10	10
3893487	3893487MS	06/21/2025	10	10
3893488	3893488MSD	06/21/2025	10	10
50404771010	MW-05A	06/21/2025	10	10
50404771011	MW-08B	06/21/2025	10	10
50404771012	MW-08A	06/21/2025	10	10
50404771013	MW-02A	06/21/2025	10	10
50404771014	MW-02B	06/21/2025	10	10
50404771015	MW-03B	06/21/2025	10	10
50404771016	MW-03A	06/21/2025	10	10
50404771017	MW-04A	06/21/2025	10	10
50404771018	MW-04B	06/21/2025	10	10
50404771019	DUP001	06/21/2025	10	10

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Instrument ID: 50IC04 Analysis Method: EPA 9056

Start Date: 04/09/2025 15:04 End Date: 06/21/2025 16:40

Sample Name	Lab Sample ID	D/F	Date	Time	iodi
26697031CAL0	26697031CAL0	1	04/09/2025	15:04	X
26697032CAL1	26697032CAL1	1	04/09/2025	15:24	X
26697033CAL2	26697033CAL2	1	04/09/2025	15:43	X
26697034CAL3	26697034CAL3	1	04/09/2025	16:02	X
26697035CAL4	26697035CAL4	1	04/09/2025	16:21	X
26697036CAL5	26697036CAL5	1	04/09/2025	16:41	X
26697039ICV	26697039ICV	1	04/11/2025	09:03	X
26697040ICB	26697040ICB	1	04/11/2025	09:22	X
50404796005	50404796005	1	06/20/2025	19:47	X
3893483MS	3893483	1	06/20/2025	20:07	X
3893484MSD	3893484	1	06/20/2025	20:26	X
27141167CCV	27141167CCV	1	06/20/2025	22:22	X
27141168CCB	27141168CCB	1	06/20/2025	22:41	X
MW-06A	50404771001	1	06/21/2025	00:37	X
MW-06B	50404771002	1	06/21/2025	00:56	X
MW-07A	50404771003	1	06/21/2025	01:15	X
MW-07B	50404771004	1	06/21/2025	01:34	X
MW-10B	50404771005	1	06/21/2025	01:54	X
27148308CCV	27148308CCV	1	06/21/2025	02:13	X
27141170CCB	27141170CCB	1	06/21/2025	02:32	X
MW-10A	50404771006	1	06/21/2025	02:51	X
MW-09A	50404771007	1	06/21/2025	03:11	X
MW-09B	50404771008	1	06/21/2025	03:30	X
MW-05B	50404771009	1	06/21/2025	03:49	X
MW-05A	50404771010	1	06/21/2025	04:09	X
MW-08B	50404771011	1	06/21/2025	04:28	X
MW-08A	50404771012	1	06/21/2025	04:47	X
3893487MS	3893487	1	06/21/2025	05:06	X
3893488MSD	3893488	1	06/21/2025	05:26	X
MW-02A	50404771013	1	06/21/2025	05:45	X
27141171CCV	27141171CCV	1	06/21/2025	06:04	X
27141172CCB	27141172CCB	1	06/21/2025	06:23	X
3893485BLANK	3893485	1	06/21/2025	06:43	X
3893486LCS	3893486	1	06/21/2025	07:02	X
MW-02B	50404771014	1	06/21/2025	07:21	X
MW-03B	50404771015	1	06/21/2025	07:40	X
MW-03A	50404771016	1	06/21/2025	08:00	X
MW-04A	50404771017	1	06/21/2025	08:19	X
MW-04B	50404771018	1	06/21/2025	08:38	X
DUP001	50404771019	1	06/21/2025	08:58	X
27141173CCV	27141173CCV	1	06/21/2025	09:55	X
27141174CCB	27141174CCB	1	06/21/2025	10:15	X
27141175CCV	27141175CCV	1	06/21/2025	13:47	X
27141176CCB	27141176CCB	1	06/21/2025	14:06	X
3893481BLANK	3893481	1	06/21/2025	15:42	X

FORM XIII INORGANIC-2
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50404771 Contract: L2536247

Instrument ID: 50IC04 Analysis Method: EPA 9056

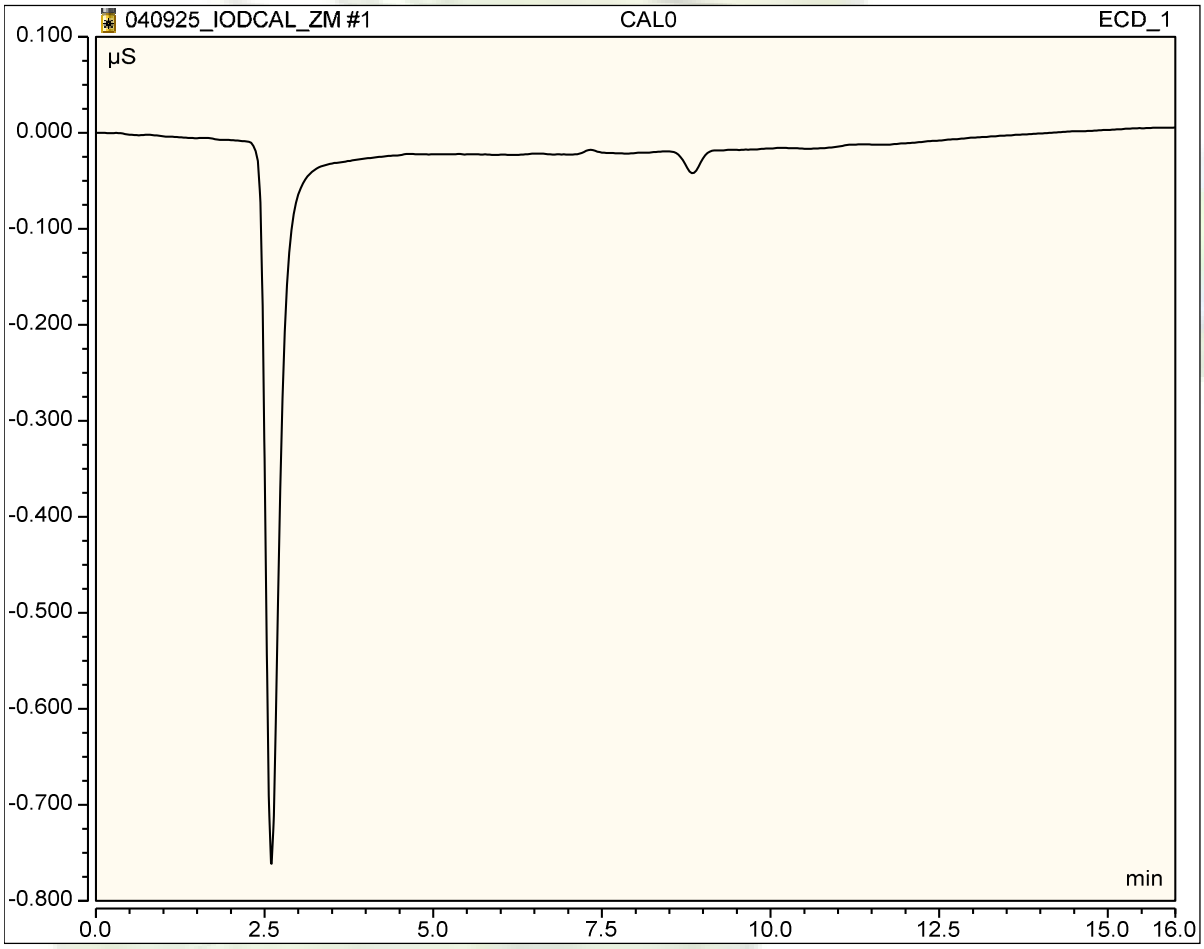
Start Date: 04/09/2025 15:04 End Date: 06/21/2025 16:40

Sample Name	Lab Sample ID	D/F	Date	Time	iodi
3893482LCS	3893482	1	06/21/2025	16:02	X
27141177CCV	27141177CCV	1	06/21/2025	16:21	X
27141178CCB	27141178CCB	1	06/21/2025	16:40	X

CAL0
412755

Sample Name:	**CAL0**	*Injection Volume (uL):*	**25.00**
Vial Number:	*RA1*	*Channel:*	**ECD_1**
Sample Type:	*Calibration Standard*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 15:04**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

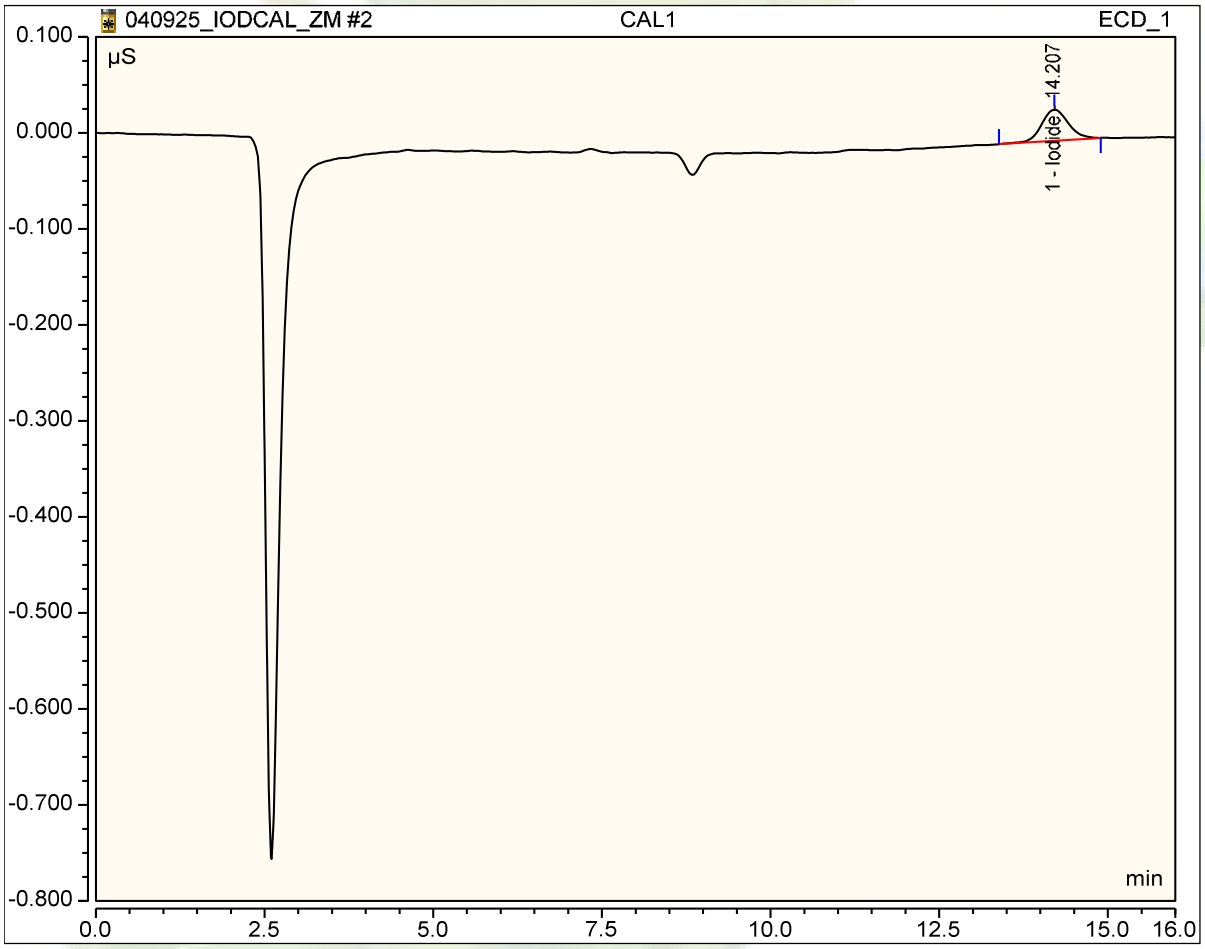
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CAL1
412754

Sample Name:	**CAL1**	*Injection Volume (uL):*	**25.00**
Vial Number:	*RA2*	*Channel:*	**ECD_1**
Sample Type:	*Calibration Standard*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 15:24**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

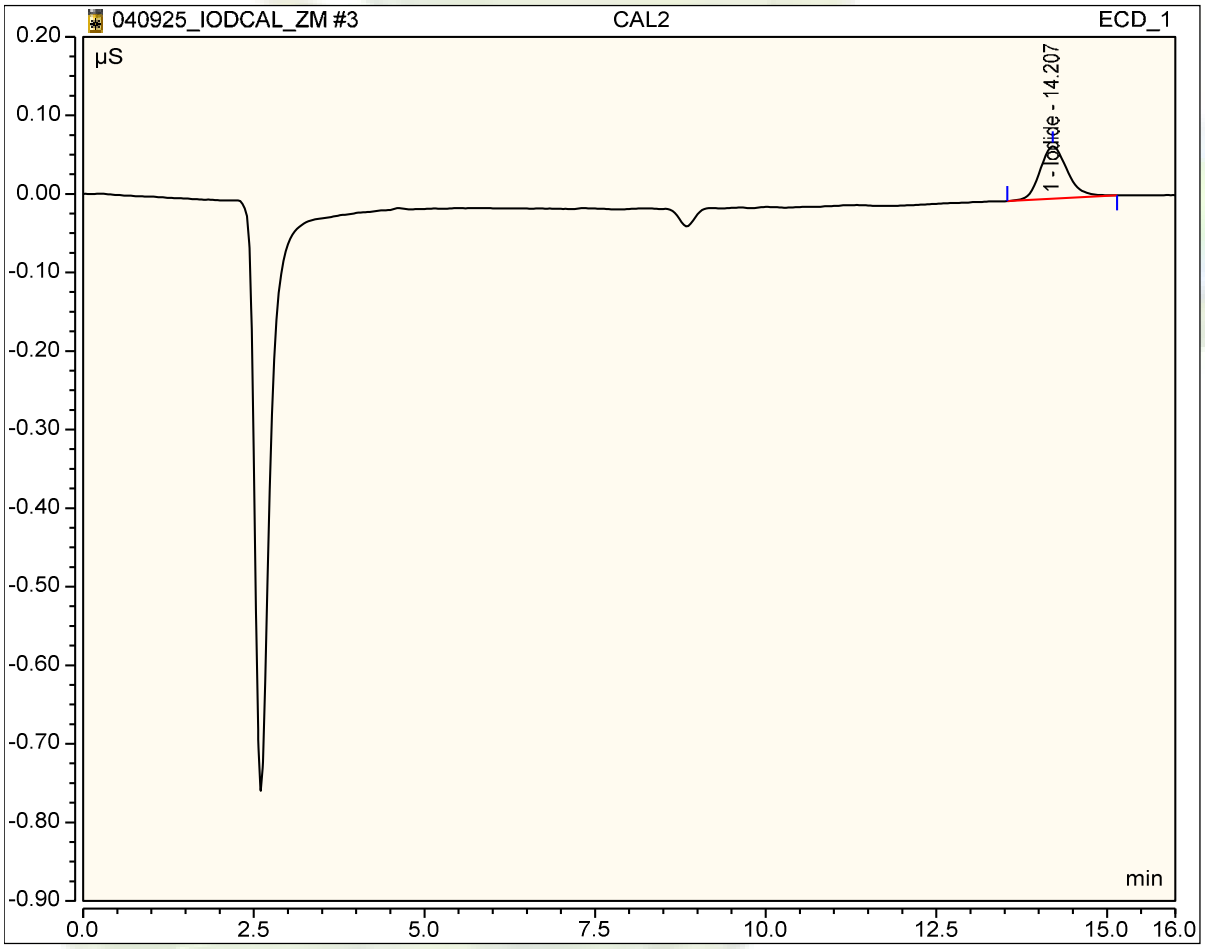
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.21	**Iodide**	0.5012	0.015	0.032	BMB



CAL2
412753

Sample Name:	**CAL2**	*Injection Volume (uL):*	**25.00**
Vial Number:	*RA3*	*Channel:*	**ECD_1**
Sample Type:	*Calibration Standard*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 15:43**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

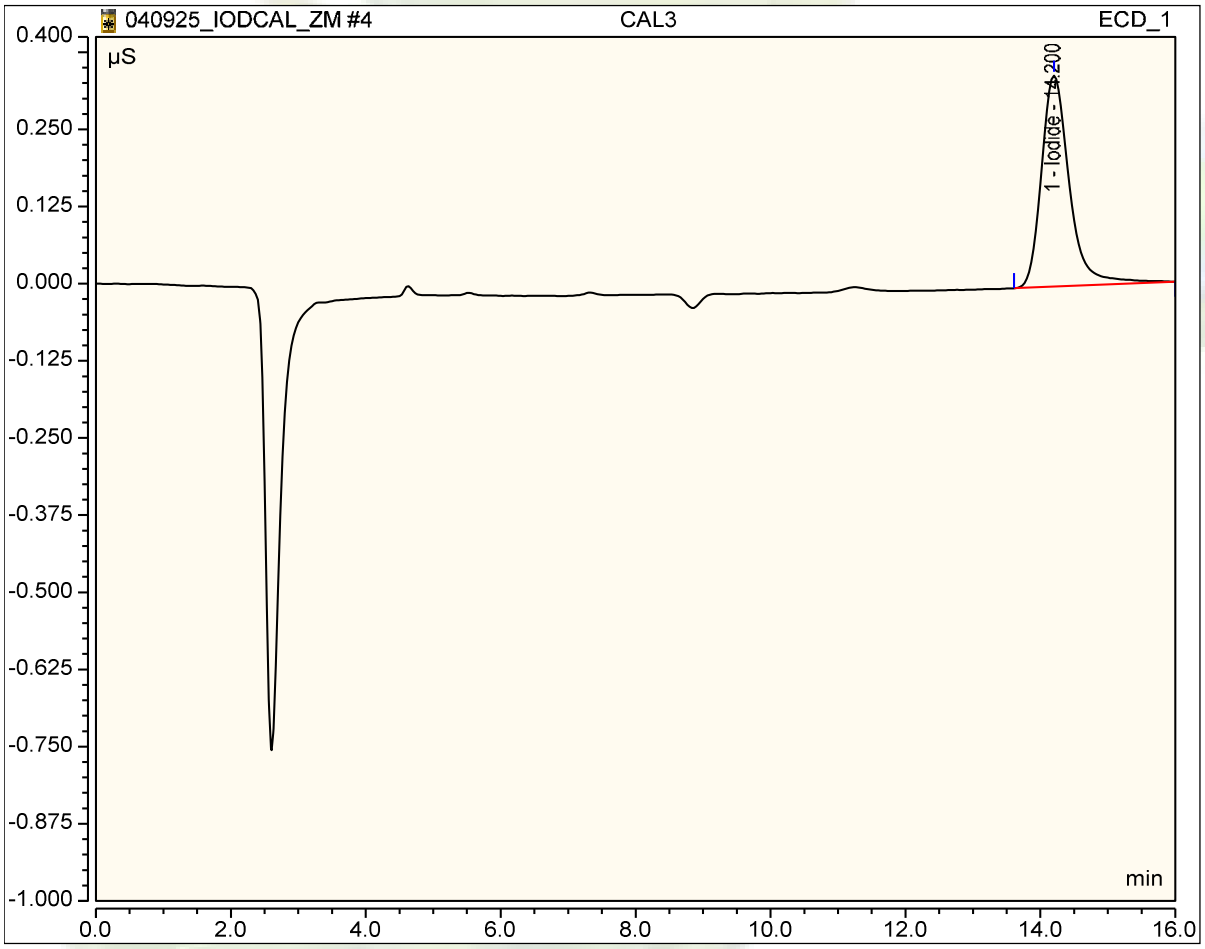
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.21	**Iodide**	0.9935	0.031	0.067	BMB



CAL3
412752

Sample Name:	**CAL3**	*Injection Volume (uL):*	**25.00**
Vial Number:	*RA4*	*Channel:*	**ECD_1**
Sample Type:	*Calibration Standard*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 16:02**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

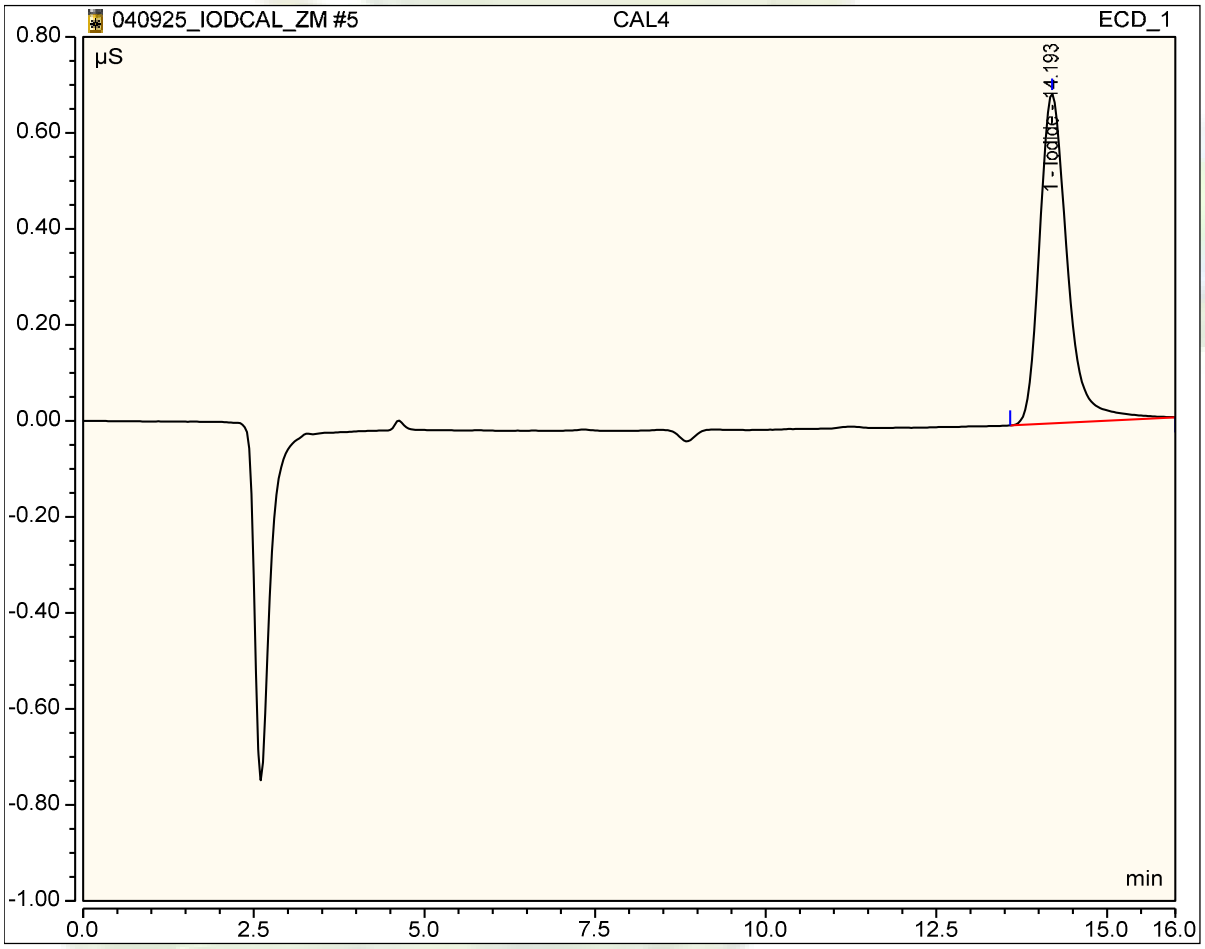
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.20	**Iodide**	5.0400	0.163	0.342	BMB



CAL4
412751

Sample Name:	**CAL4**	*Injection Volume (uL):*	**25.00**
Vial Number:	*RA5*	*Channel:*	**ECD_1**
Sample Type:	*Calibration Standard*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 16:21**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

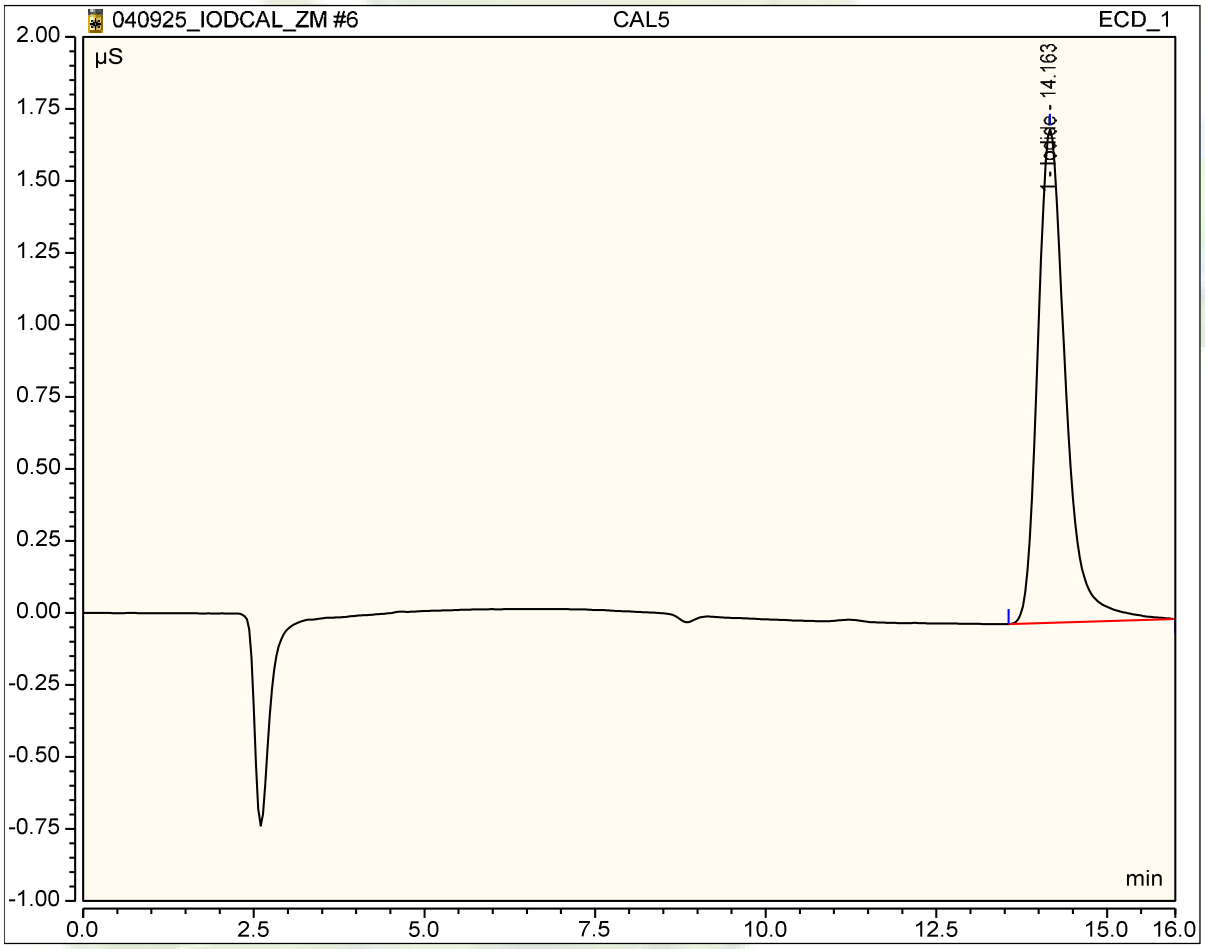
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.19	**Iodide**	10.0144	0.326	0.687	BMB



CAL5
412750

Sample Name:	**CAL5**	*Injection Volume (uL):*	**25.00**
Vial Number:	*RA6*	*Channel:*	**ECD_1**
Sample Type:	*Calibration Standard*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 16:41**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

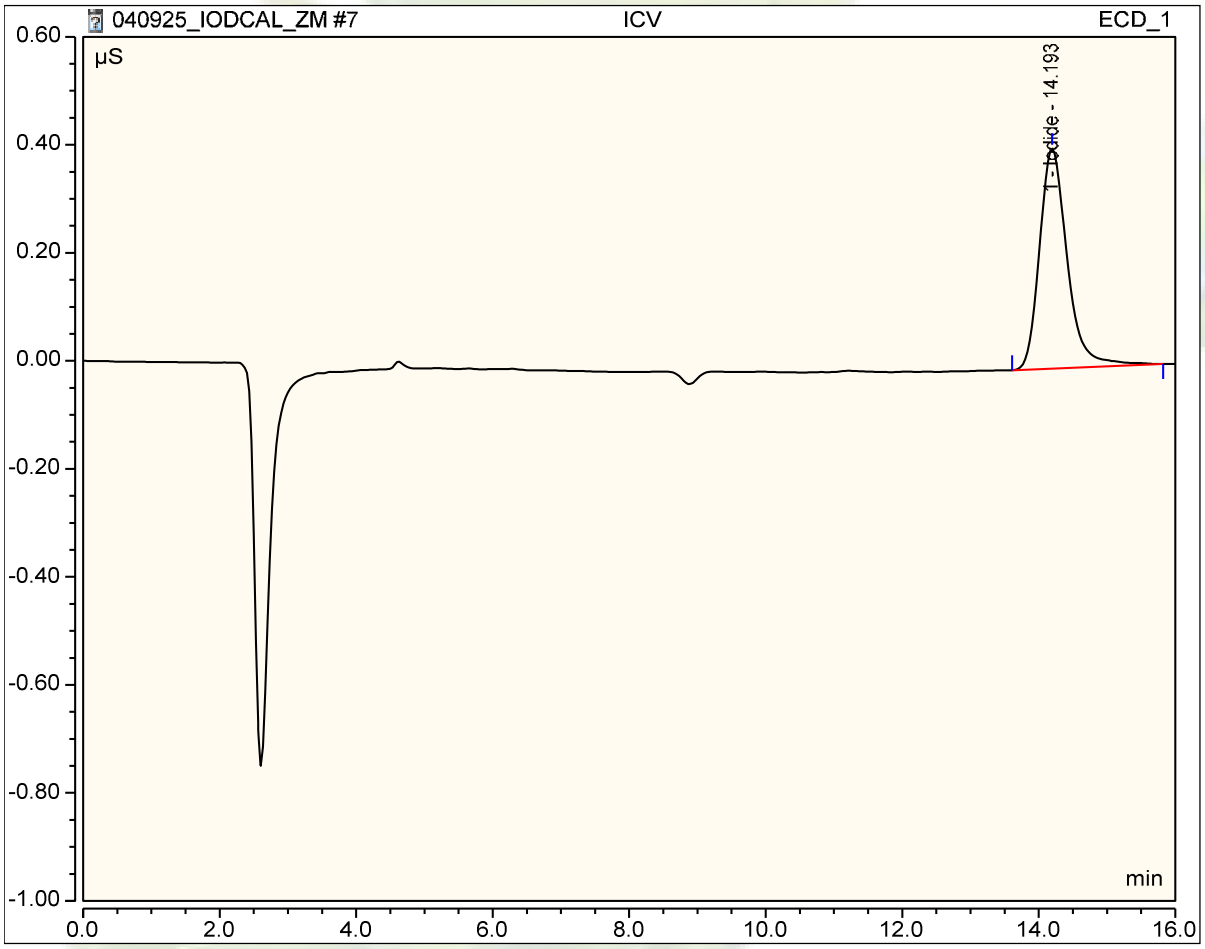
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.16	**Iodide**	24.8642	0.811	1.715	BMB



ICV
412748

Sample Name:	**ICV**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B3*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 17:00**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

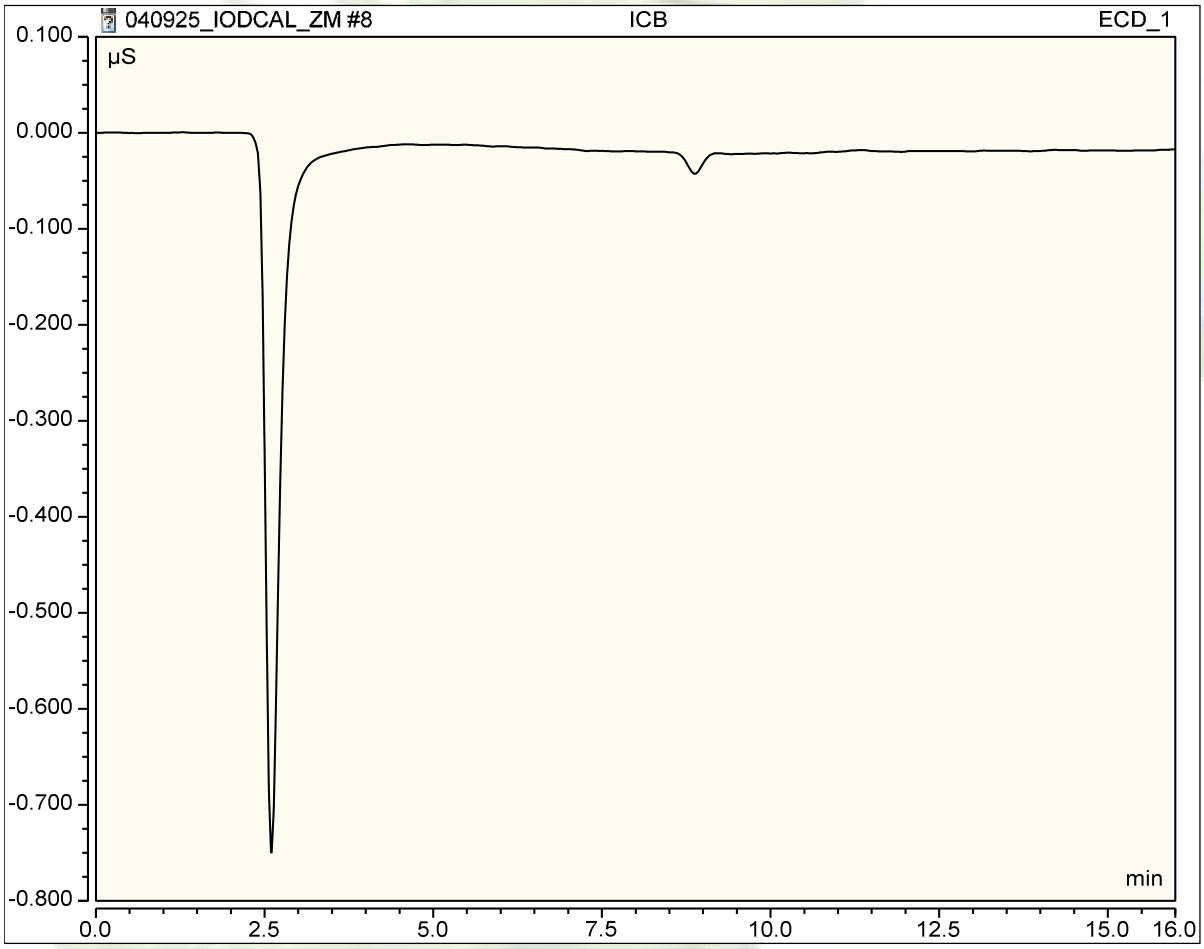
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.19	**Iodide**	5.9063	0.192	0.408	BMB



ICB
340111

Sample Name:	**ICB**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B1*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 17:19**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

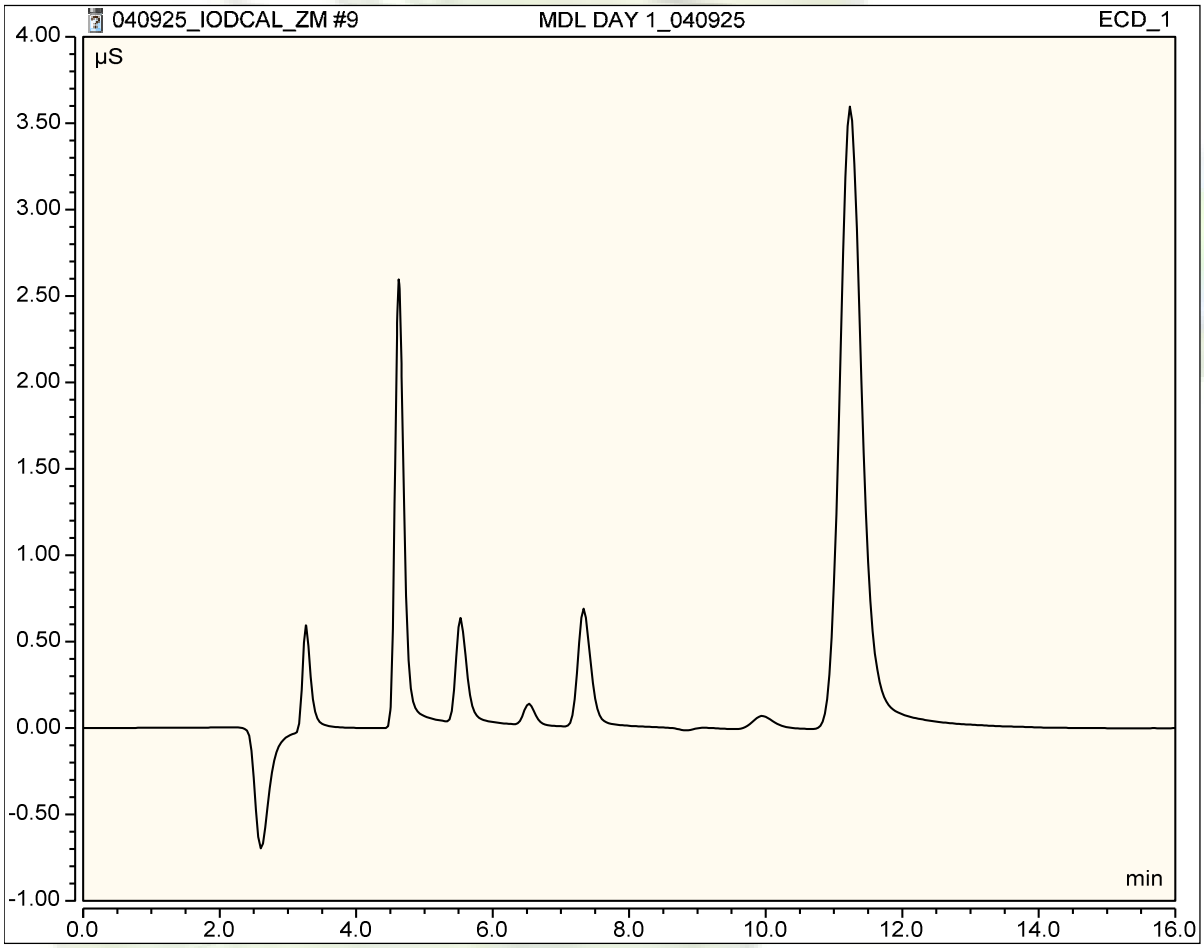
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



MDL DAY 1_040925

Sample Name:	**MDL DAY 1_040925**	*Injection Volume (uL):*	**25.00**
Vial Number:	*BA7*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 17:39**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

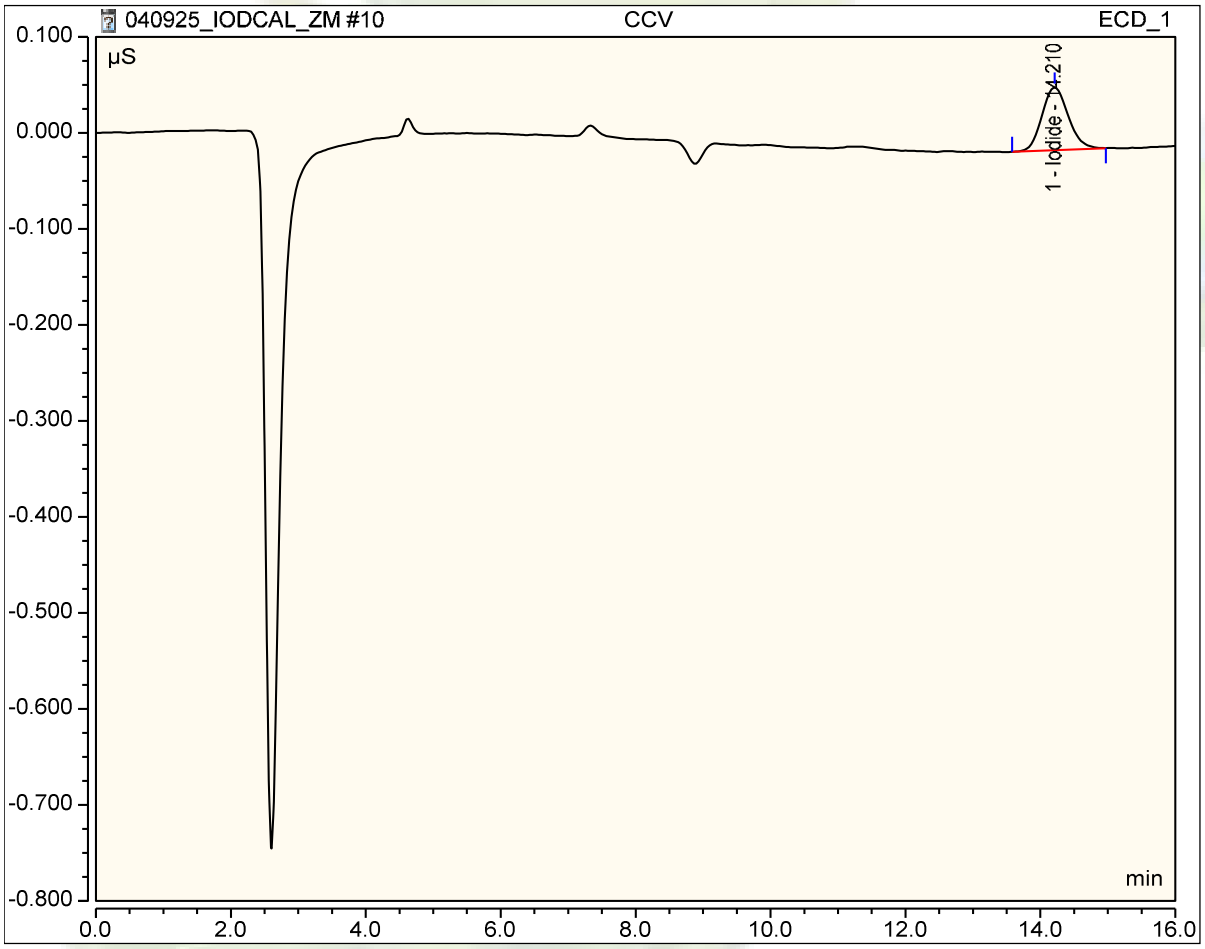
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B2*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 17:58**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

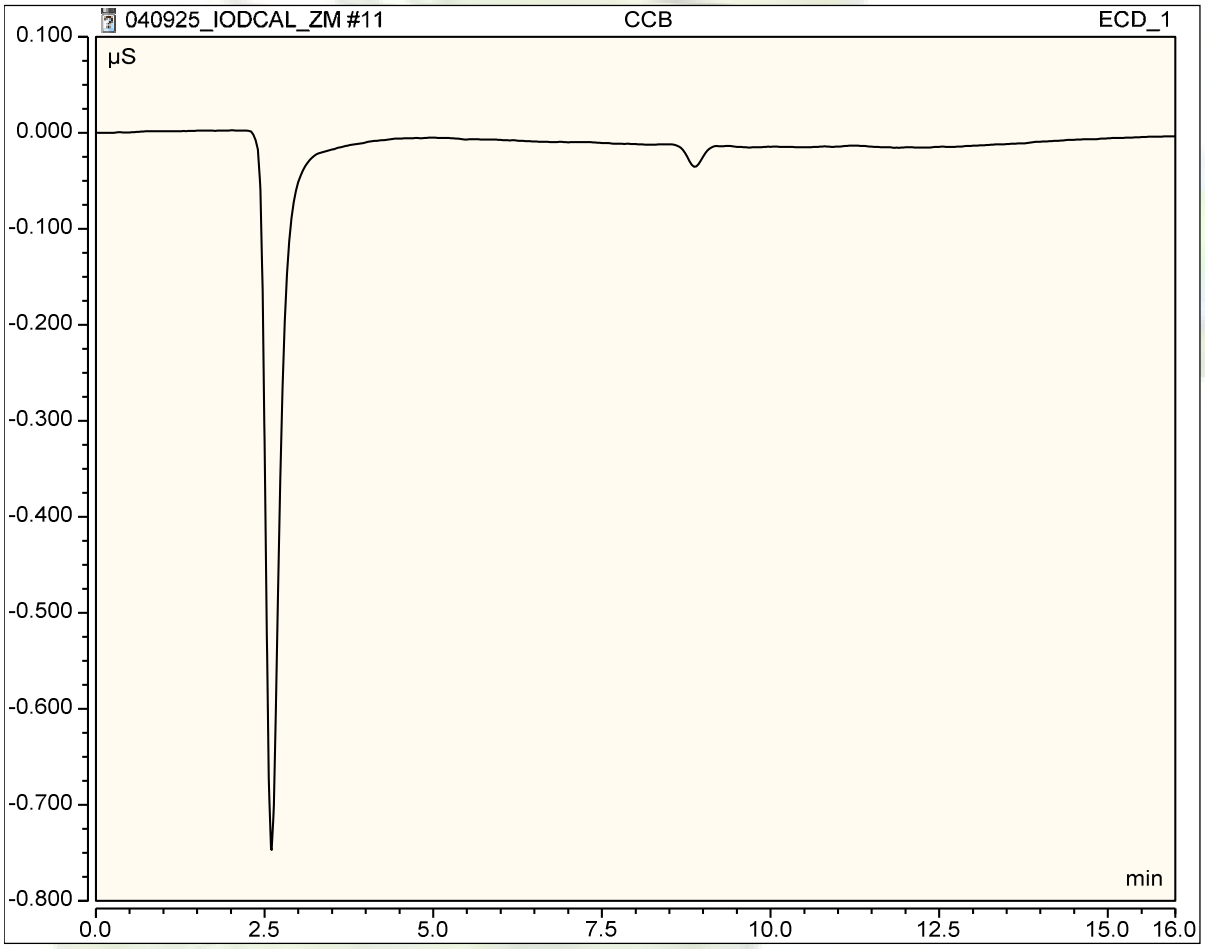
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.21	**Iodide**	0.9407	0.029	0.065	BMB



CCB
340111

Sample Name:	**CCB**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B1*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/09/2025 18:17**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

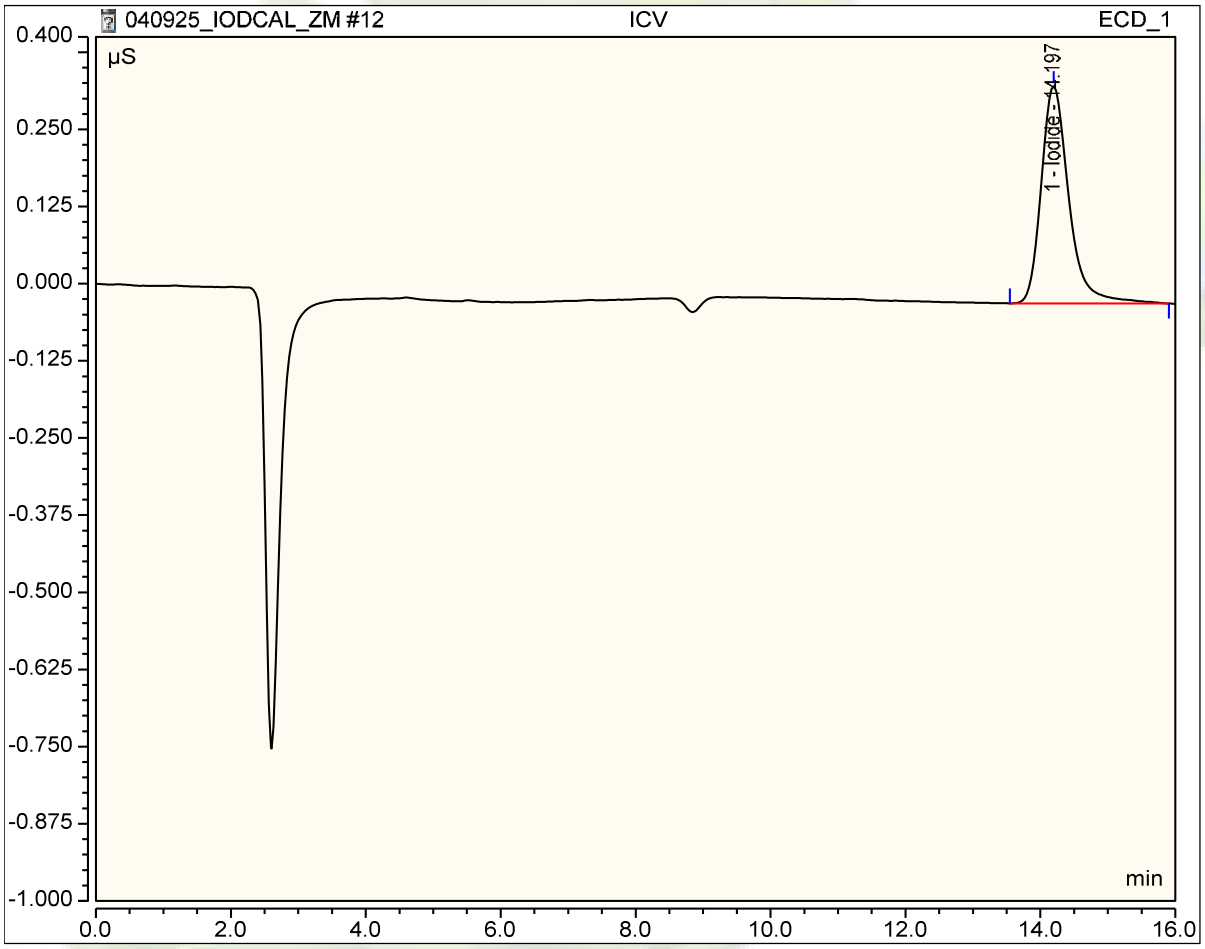
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



ICV
412748

Sample Name:	**ICV**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B3*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/11/2025 09:03**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

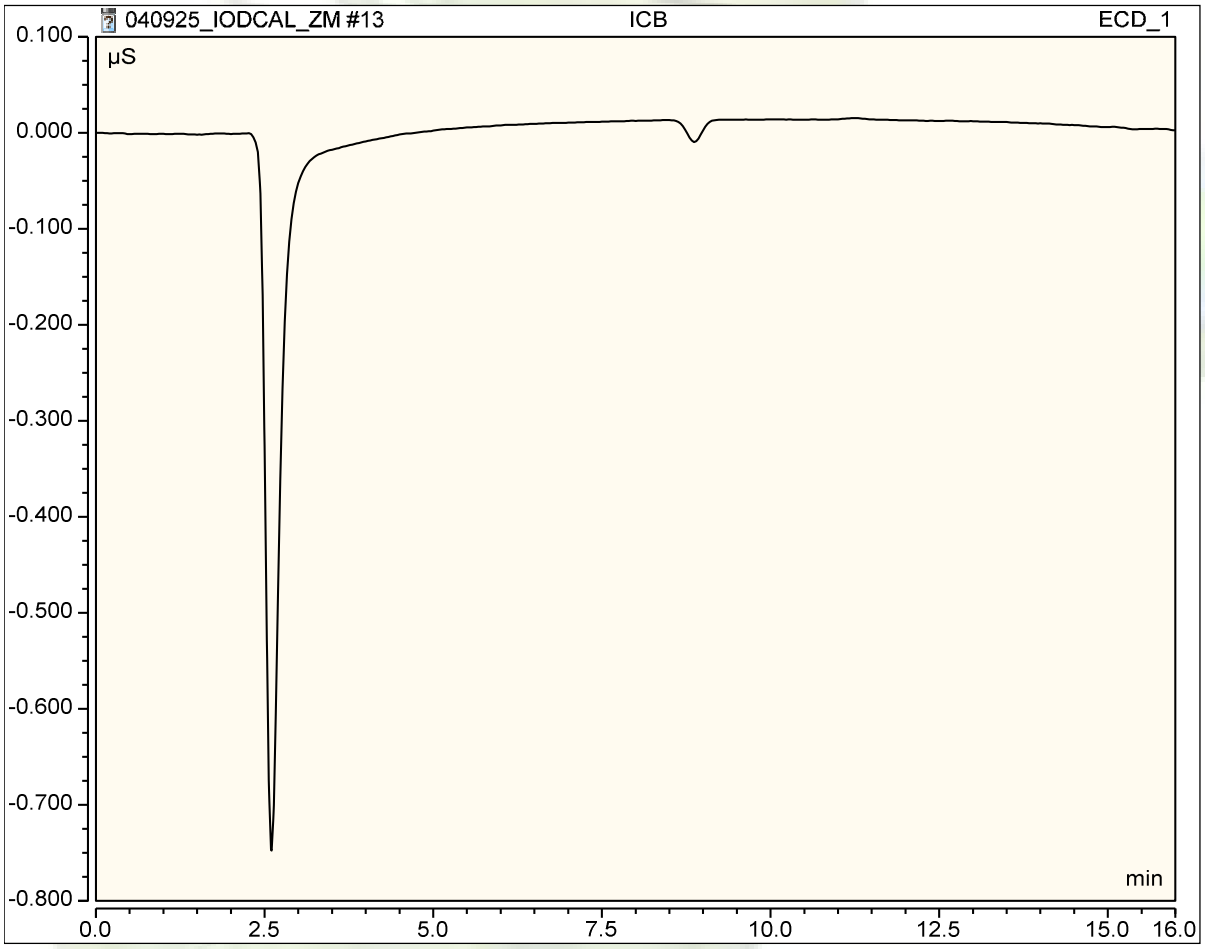
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.20	**Iodide**	5.1241	0.166	0.352	BMB



ICB
340111

Sample Name:	**ICB**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B1*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/11/2025 09:22**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

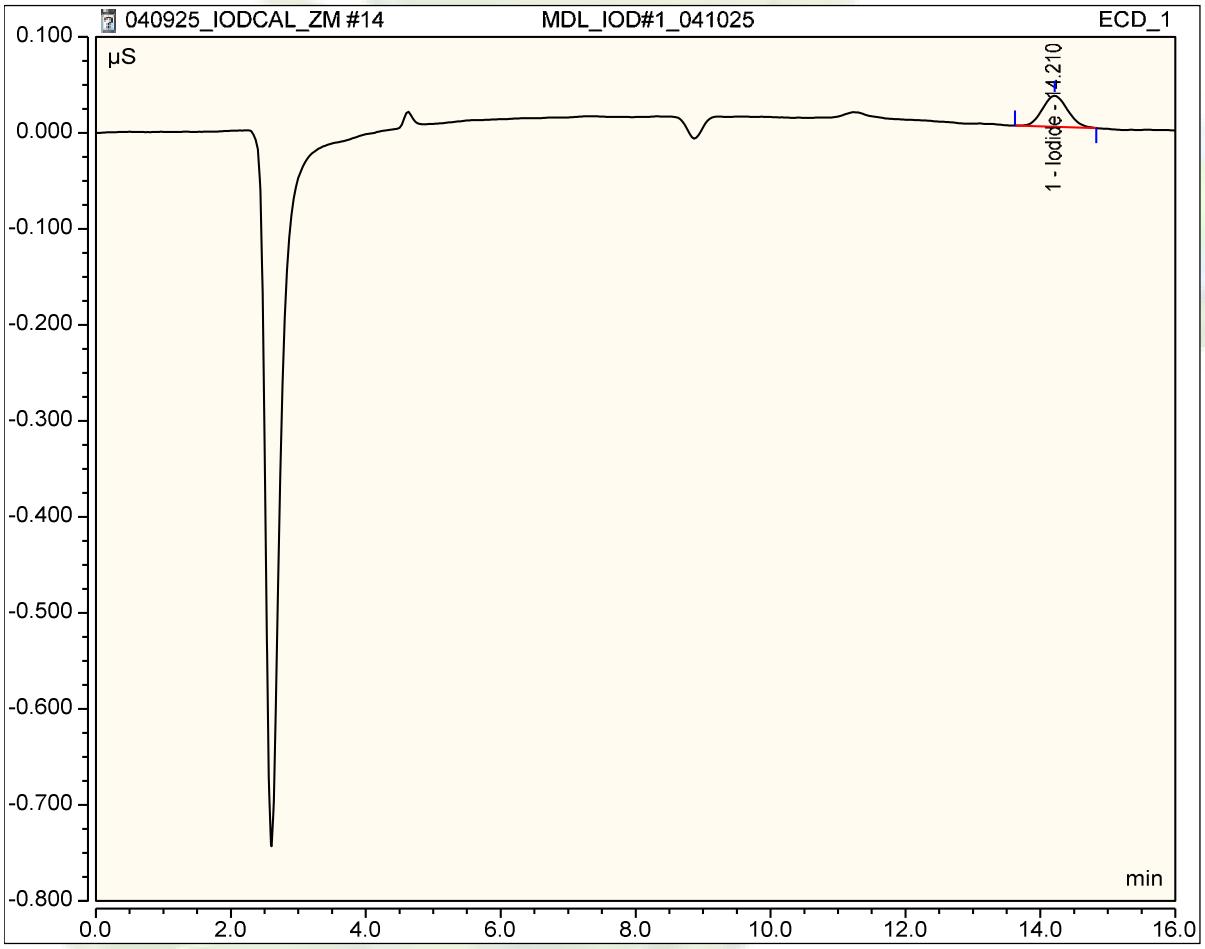
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



MDL_IOD#1_041025

Sample Name:	**MDL_IOD#1_041025**	*Injection Volume (uL):*	**25.00**
Vial Number:	*BA1*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/11/2025 09:41**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

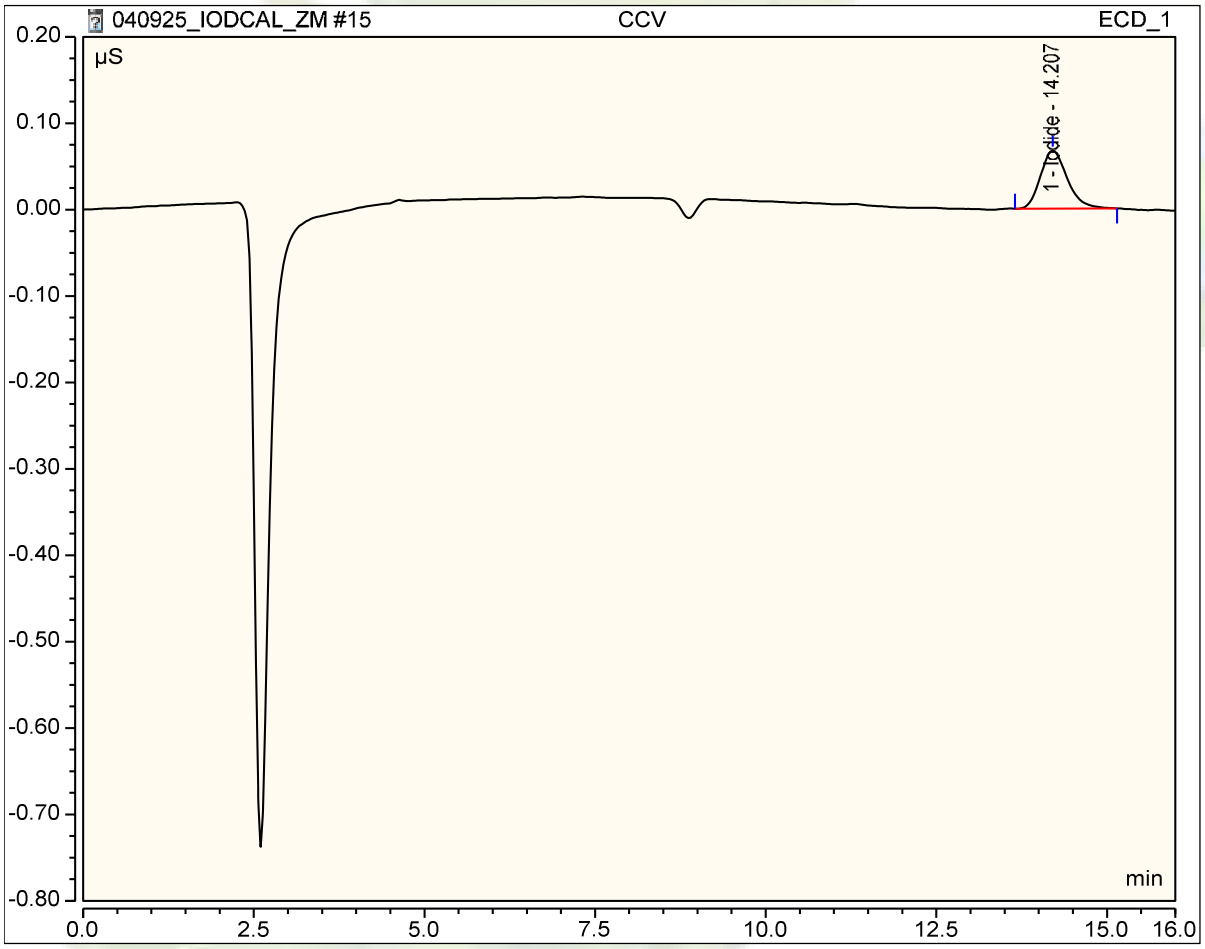
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.21	**Iodide**	0.4739	0.014	0.032	BMB



CCV
412749

Sample Name:	**CCV**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B2*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/11/2025 10:01**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

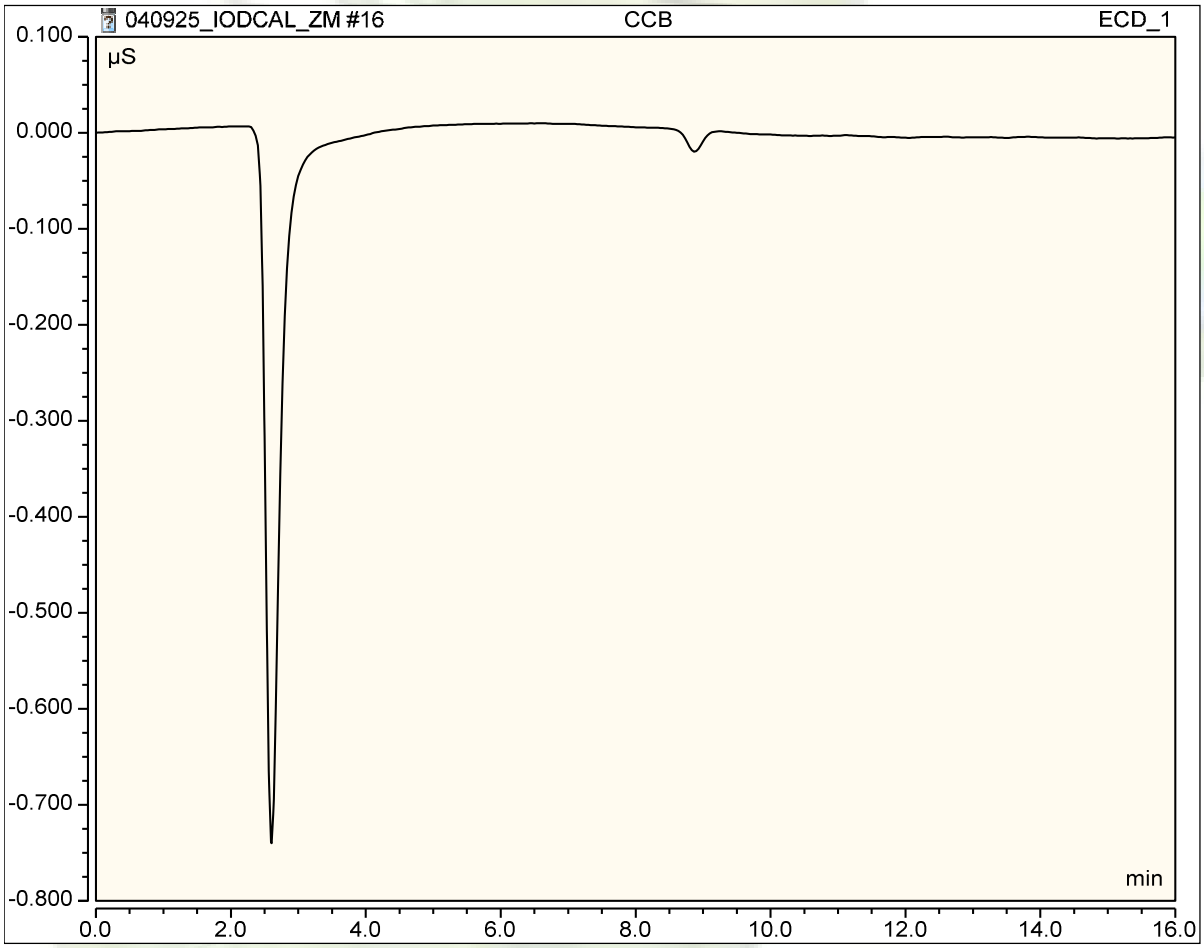
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.21	**Iodide**	0.9826	0.031	0.067	BMB



CCB
340111

Sample Name:	**CCB**	*Injection Volume (uL):*	**25.00**
Vial Number:	*B1*	*Channel:*	**ECD_1**
Sample Type:	*Unknown*	*Calibration:*	**04/10/25 16:14**
Control Program:	*50IC04IOD*	*Eluent Stock:*	**412167**
Quantif. Method:	*CAL_IODIDE04*	*Dilution Factor*	**1.0000**
Recording Time:	**04/11/2025 10:20**	*Sample Weight:*	**1.0000**
Run Time (min):	*16.00*	*System Name:*	**50IC04**

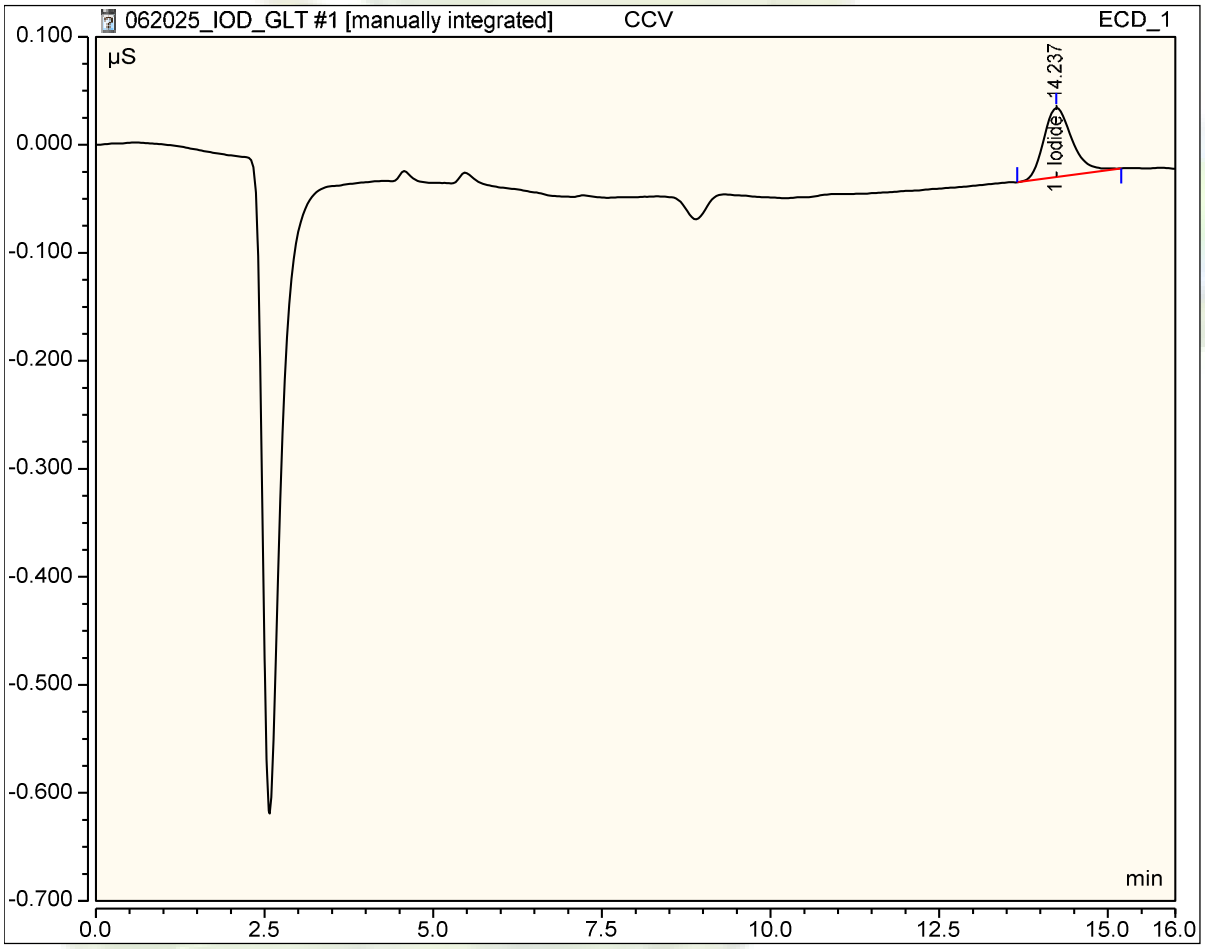
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 18:30**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

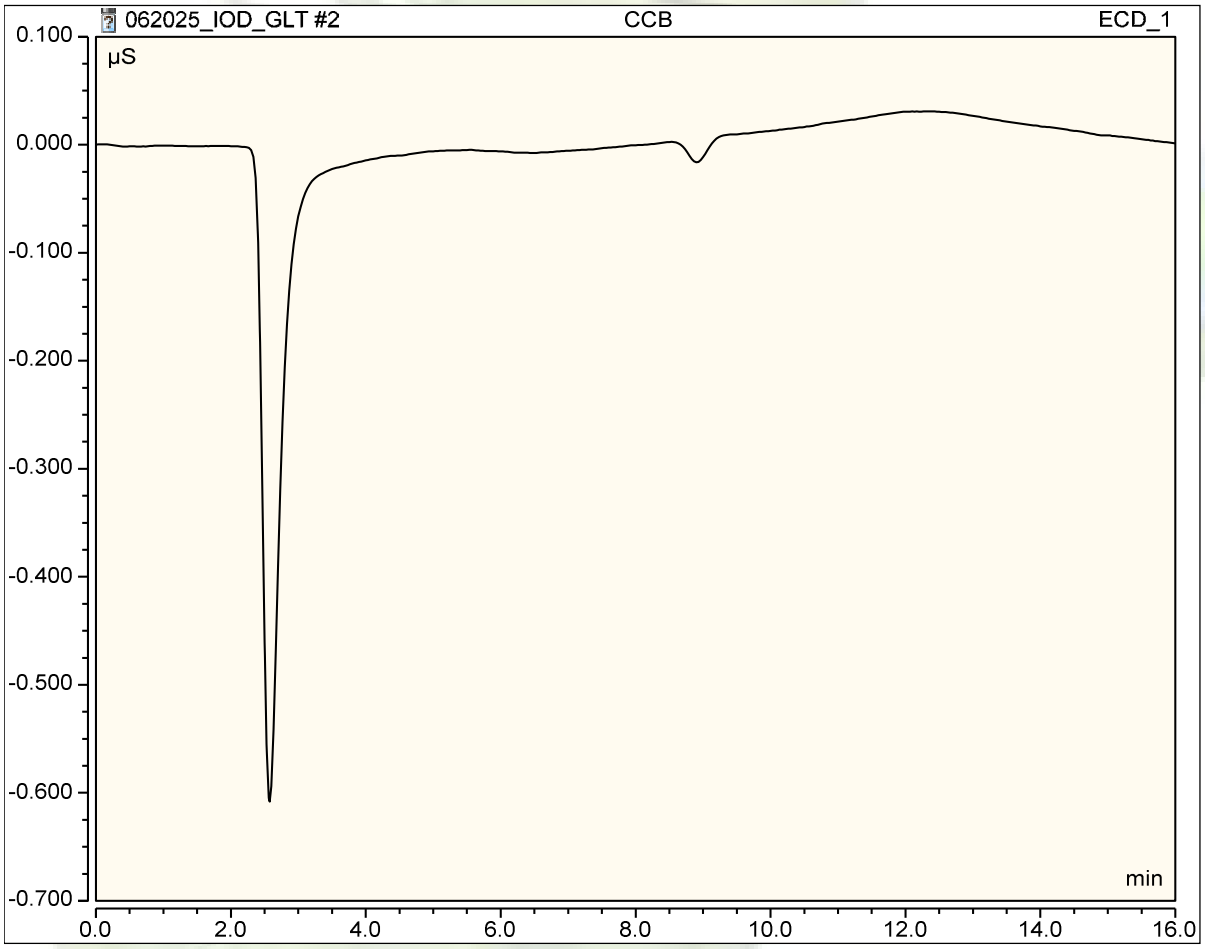
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.24	**Iodide**	0.9960	0.031	0.064	BMB*



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/20/2025 18:50**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

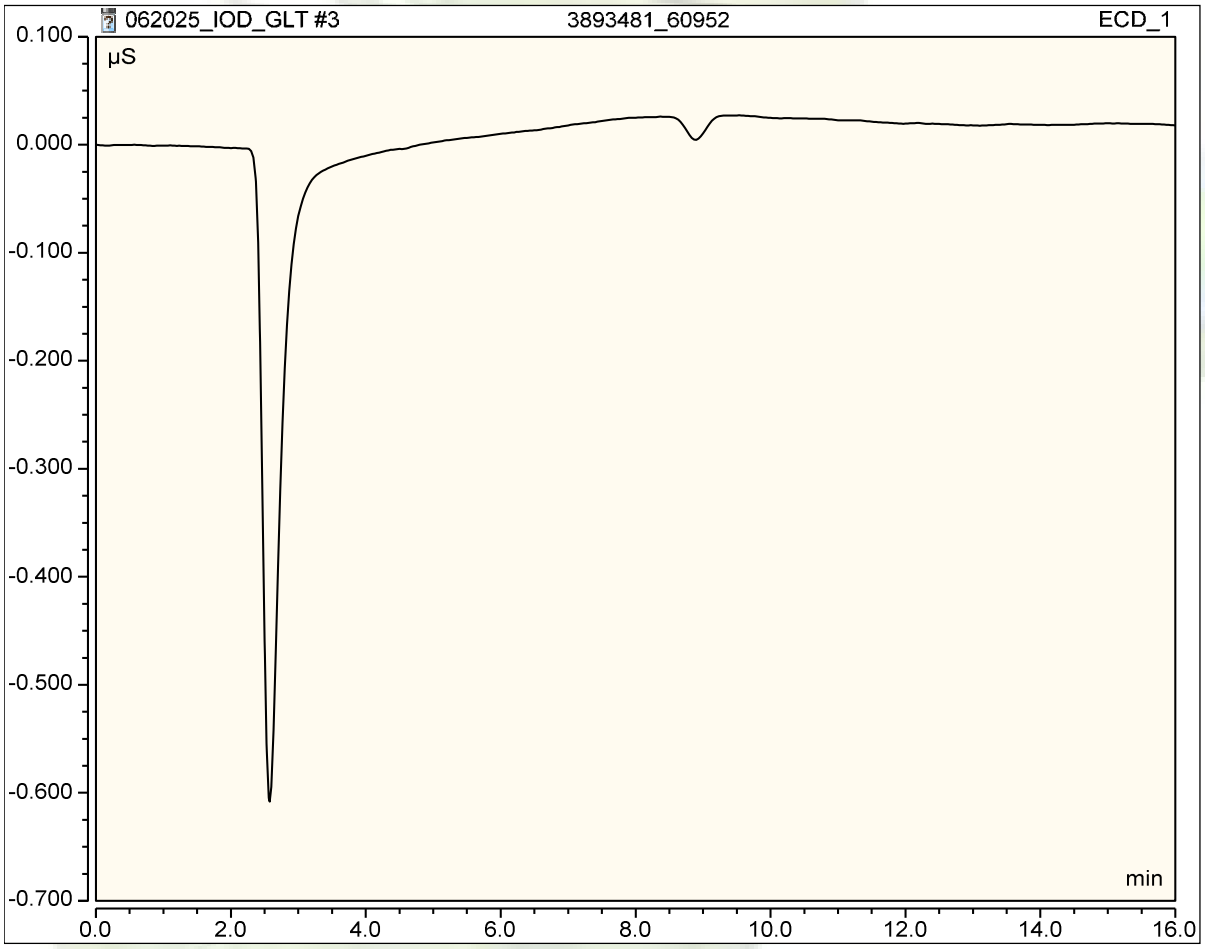
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893481_60952
340111

Sample Name:	**3893481_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1ecor- in" Time:	**06/20/2025 19:09**	Sample **2** ei"ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

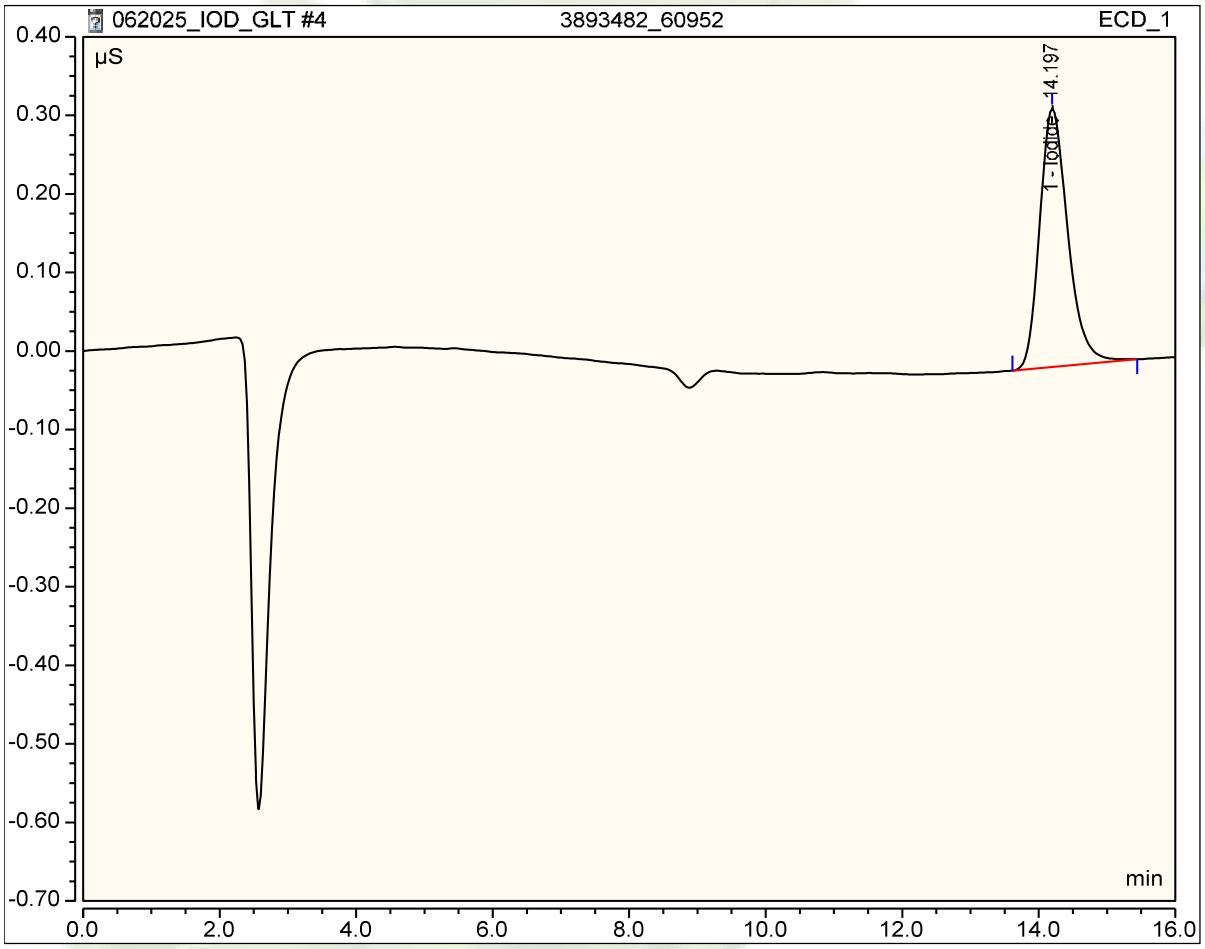
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893482_60952
377680

Sample Name:	**3893482_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B**6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1ecor- in" Time:	**06/20/2025 19:28**	Sample **2** ei"ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

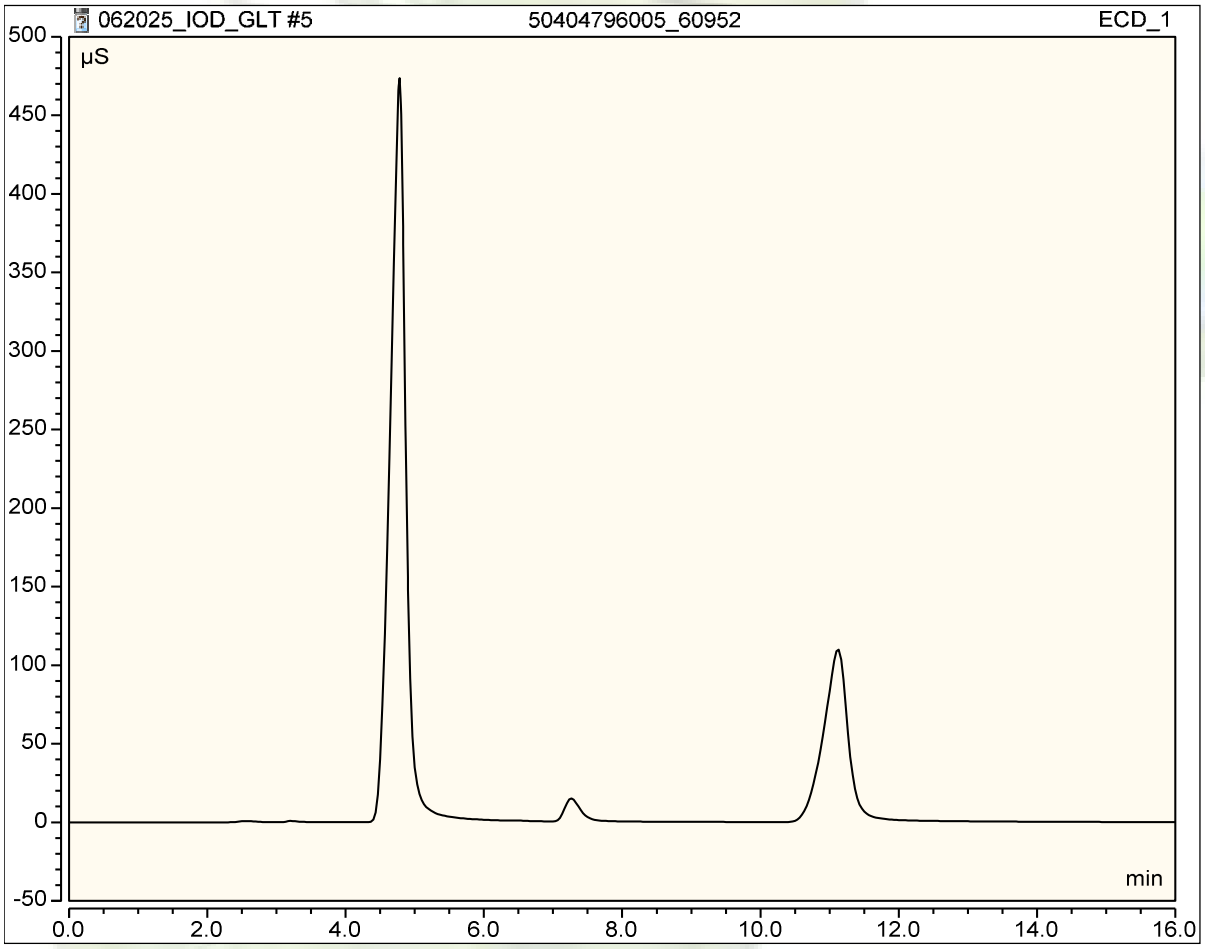
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.20	**Iodide**	4.8531	0.157	0.330	BMB



50404796005_60952

Sample Name:	**50404796005_60952**	Injection Volume (uL):	**25.00**
Vial Number:	**B. 3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 19:47**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

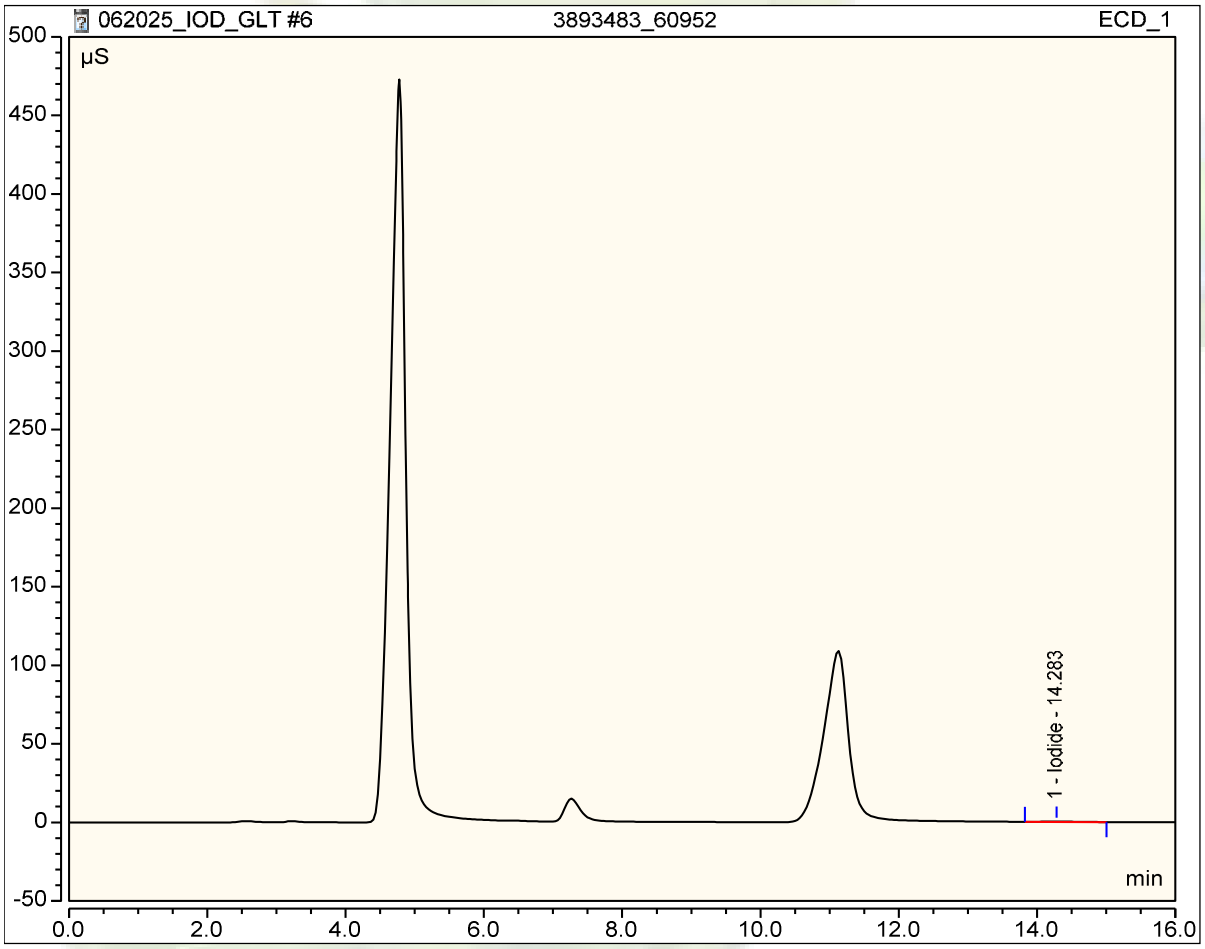
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893483_60952
377680

Sample Name:	**3893483_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B. 2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ I&' I' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 20:07**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

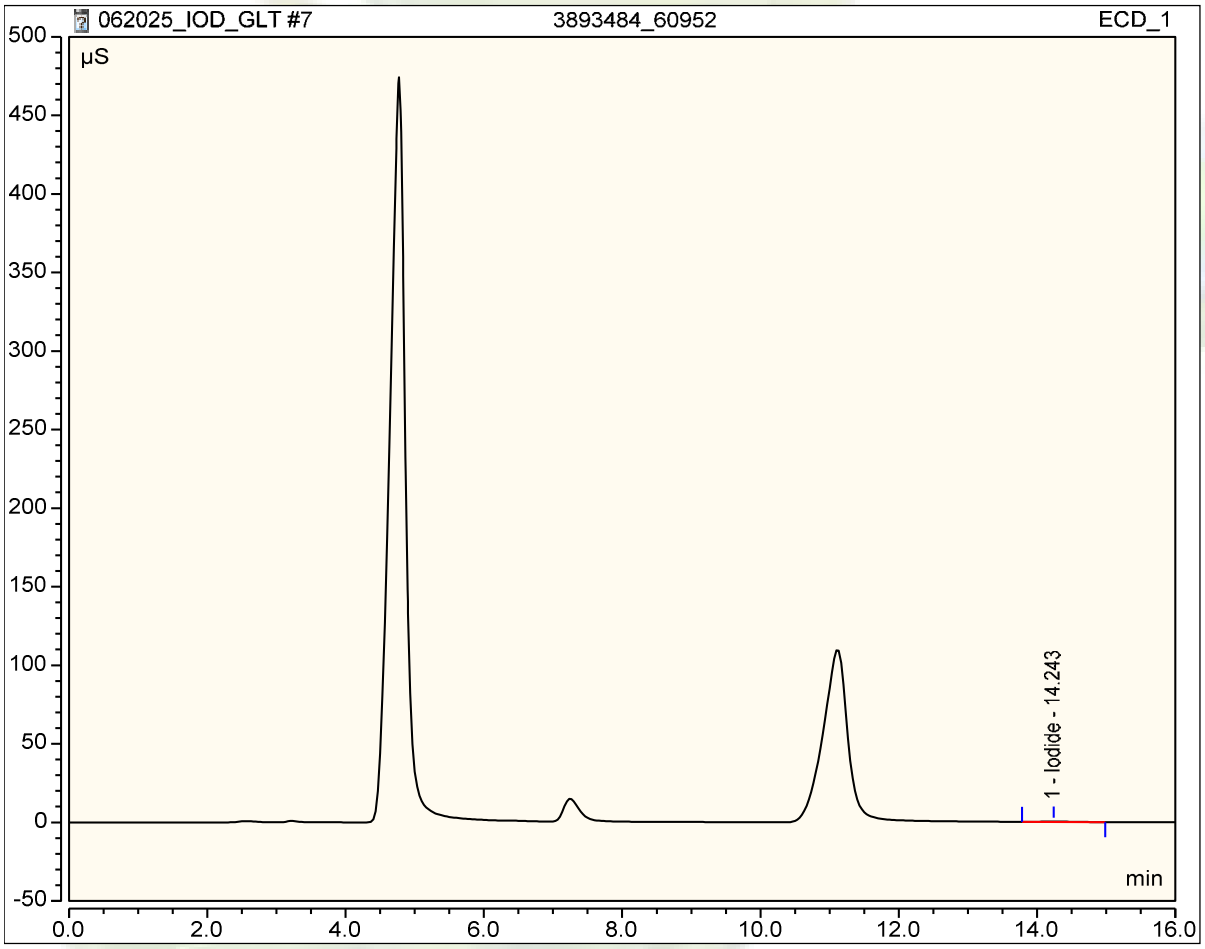
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.28	**Iodide**	3.9499	0.128	0.283	BMB



3893484_60952
377680

Sample Name:	**3893484_60952**	Injection Volume (uL):	**25.00**
Vial Number:	**B. 6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 20:26**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

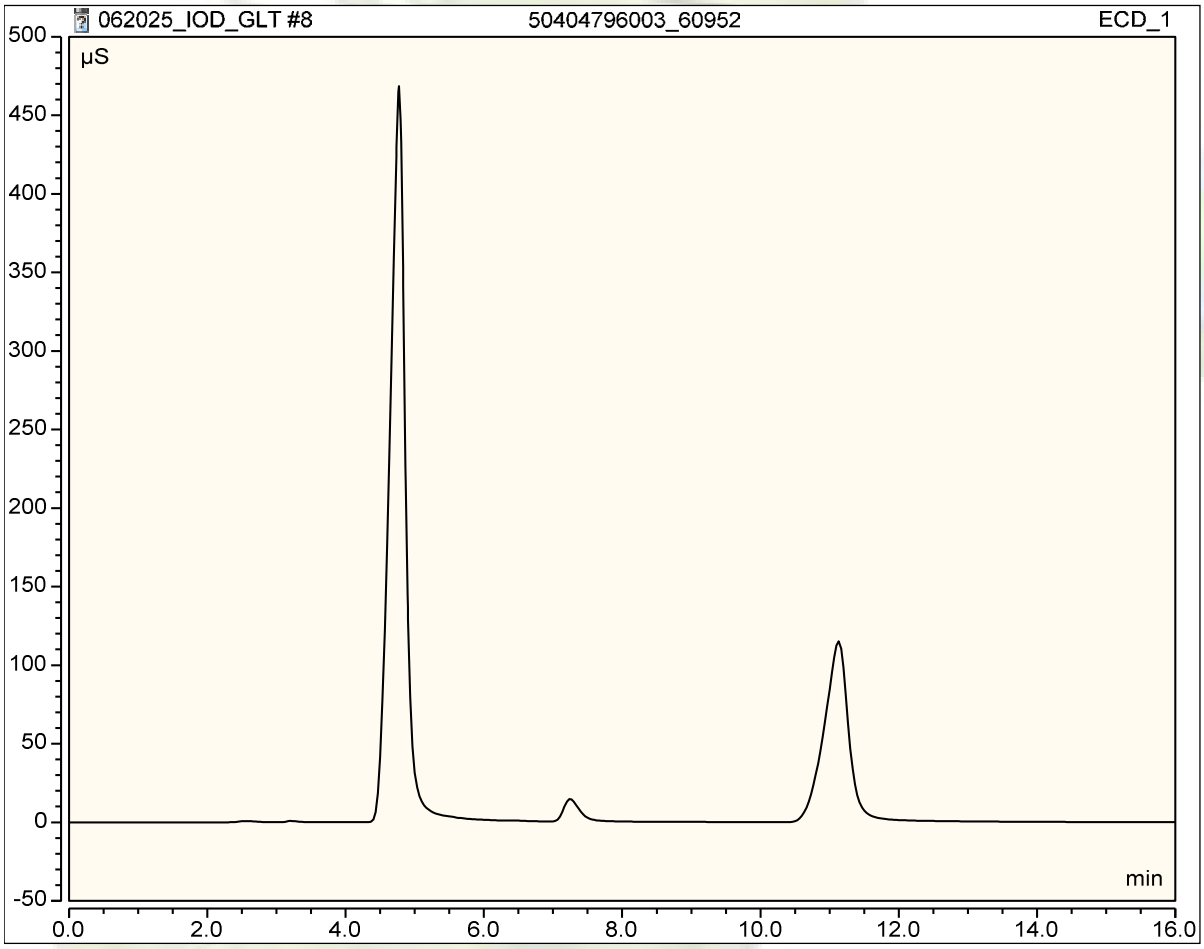
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.24	**Iodide**	3.9792	0.129	0.286	BMB



50404796003_60952

Sample Name:	**50404796003_60952**	Injection Volume (uL):	**25.00**
Vial Number:	**B. %**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 20:45**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

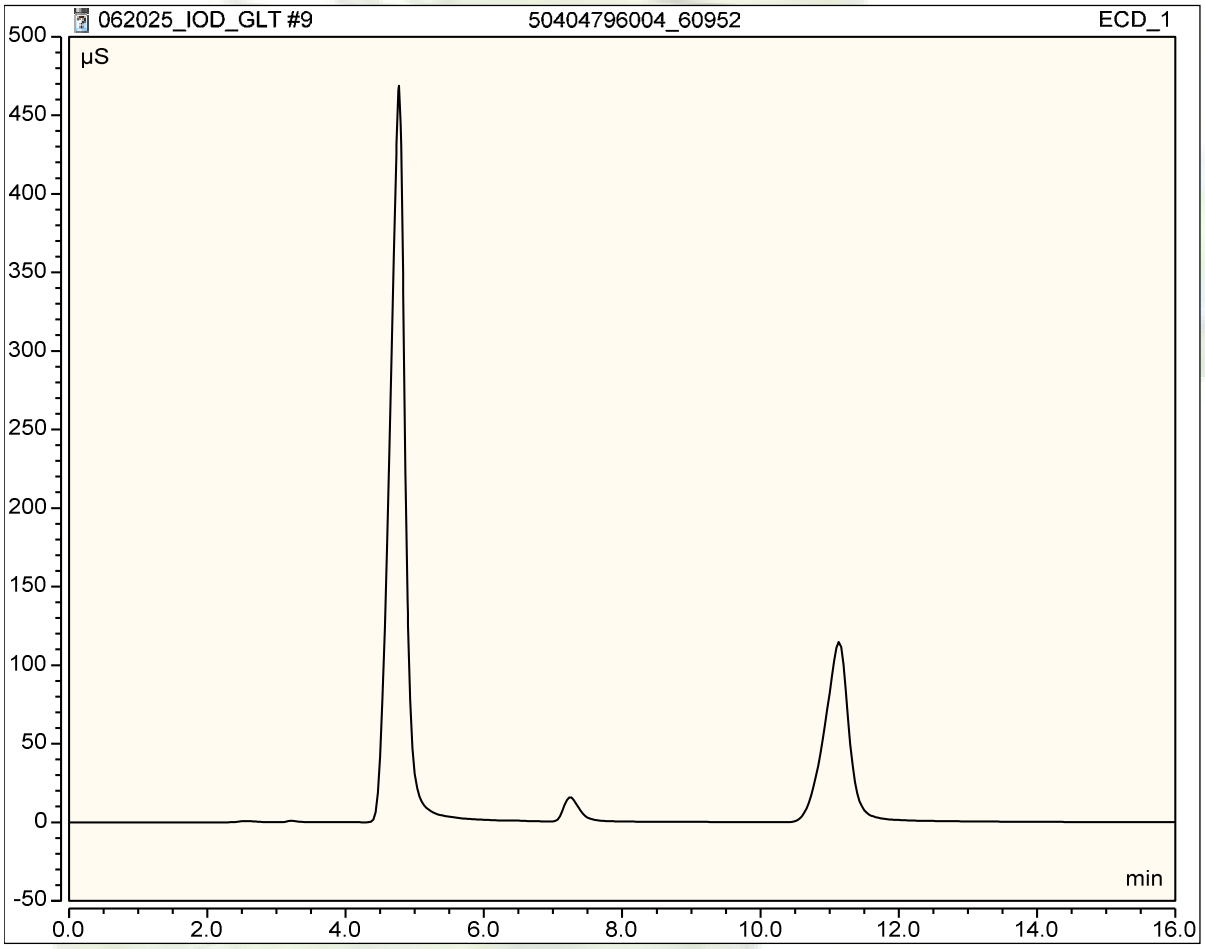
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796004_60952

Sample Name:	**50404796004_60952**	Injection Volume (uL):	**25.00**
Vial Number:	**B. #**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 21:05**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

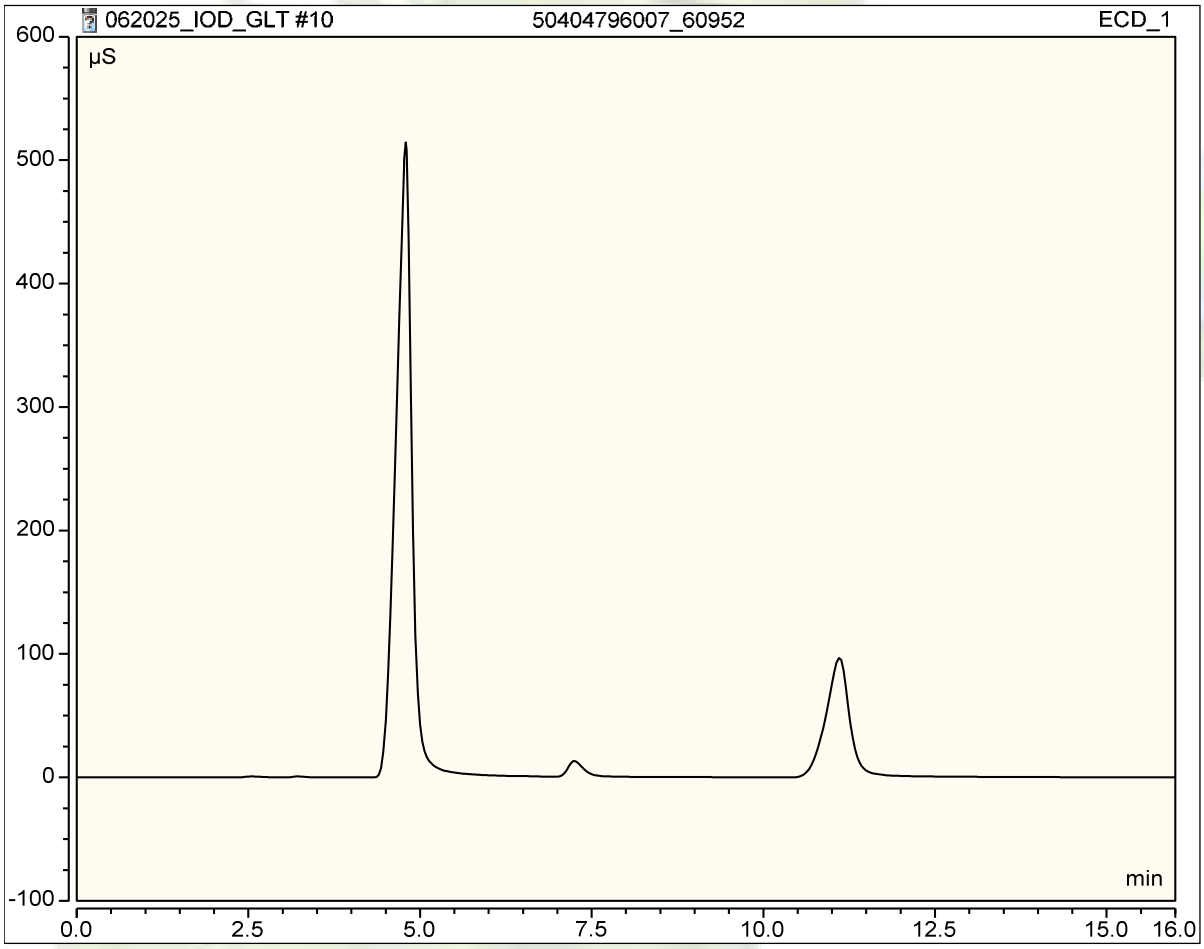
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796007_60952

Sample Name:	**50404796007_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B**. 4**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti***+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/20/2025 21:24**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

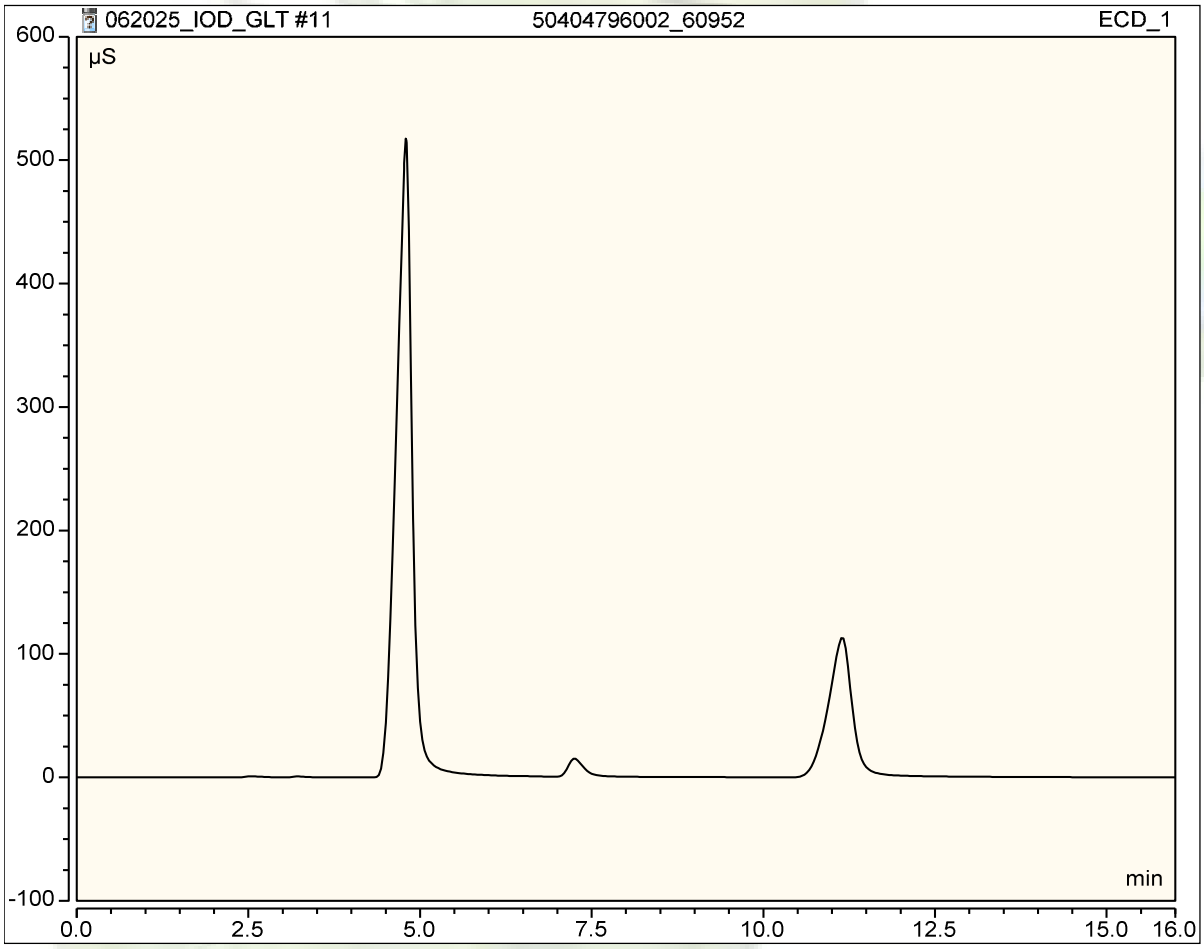
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796002_60952

Sample Name:	**50404796002_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B**. 7**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti***+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/20/2025 21:43**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

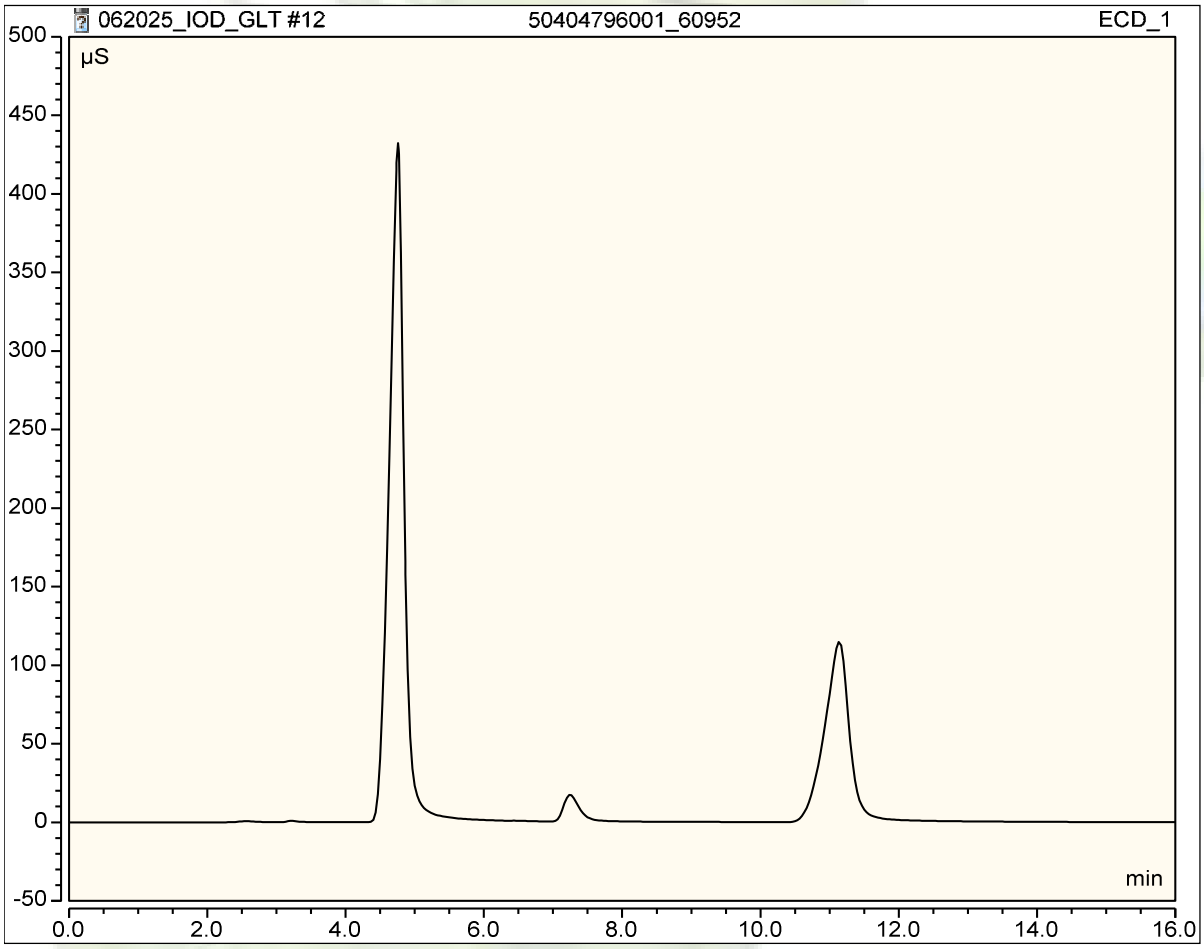
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796001_60952

Sample Name:	**50404796001_60952**	Injection Volume (uL):	**25.00**
Vial Number:	**B. 8**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 22:02**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

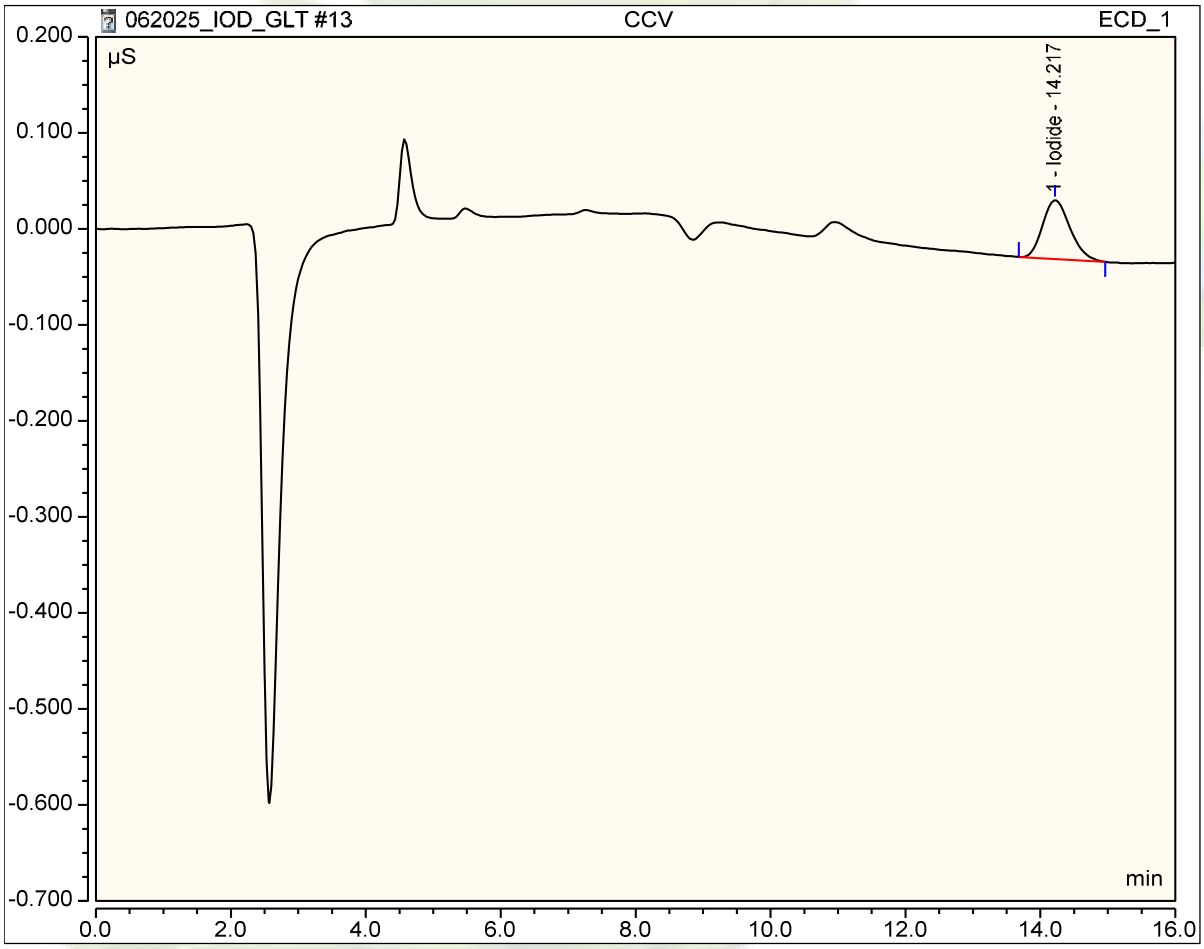
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 22:22**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

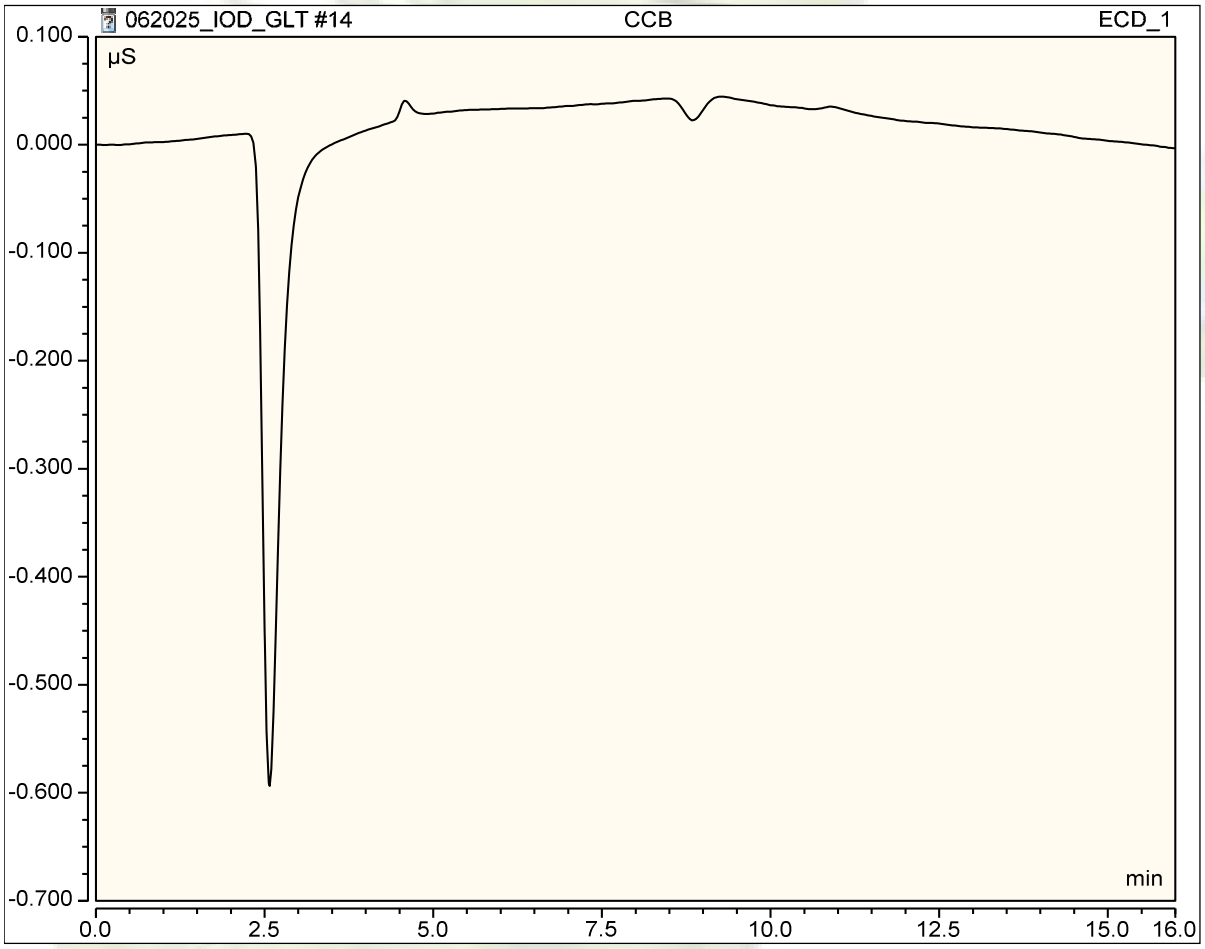
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.22	**Iodide**	0.9264	0.029	0.061	BMB



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/20/2025 22:41**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

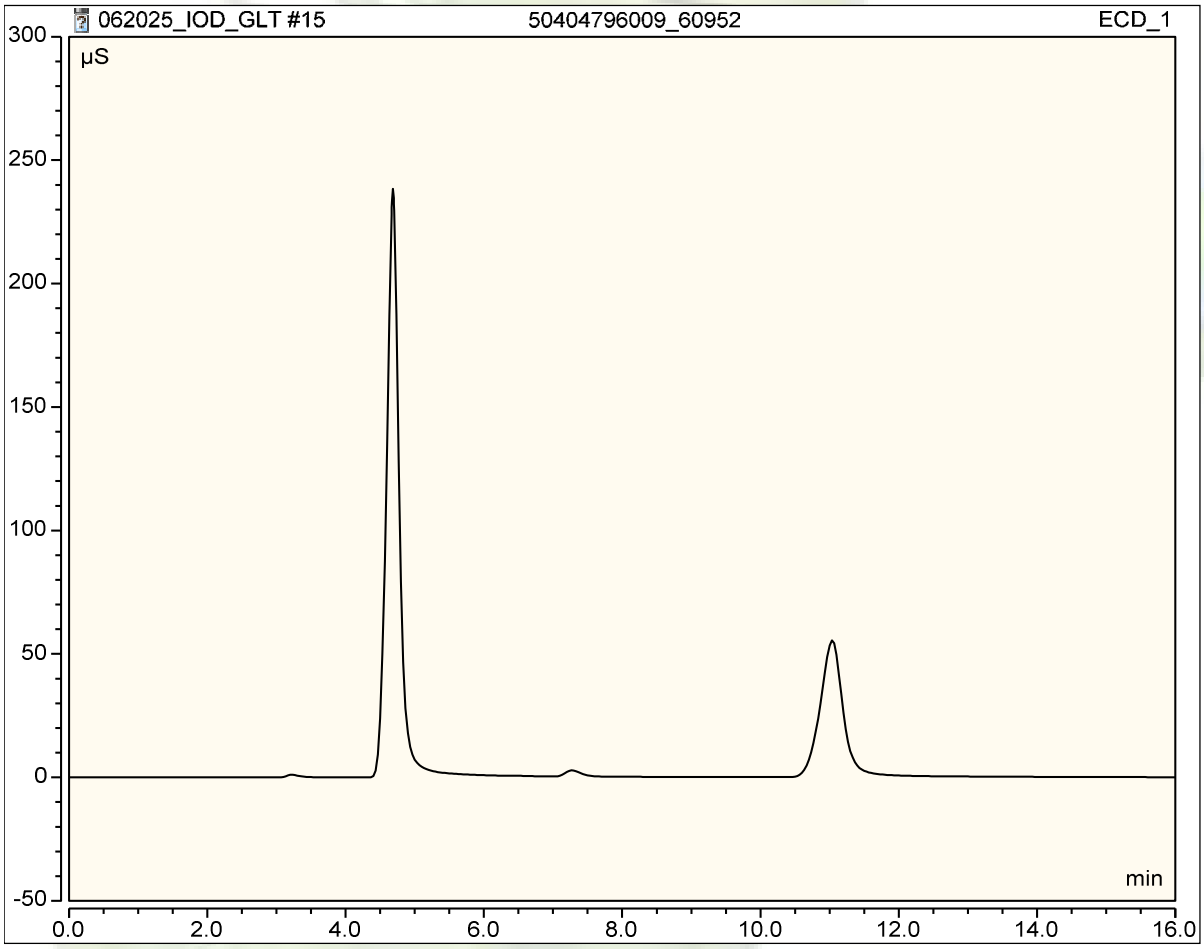
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796009_60952

Sample Name:	**50404796009_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB*3*	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control *!* ro"ram:	***#IC%&'***	*(* luent Stock:	**416359**
) uanti*+, etho- :	C*.* L/ l*&'* l' *($%*	*'* ilution *0*actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 23:00**	Sample *2* ei"ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy*5*tem Name:	**50IC04**

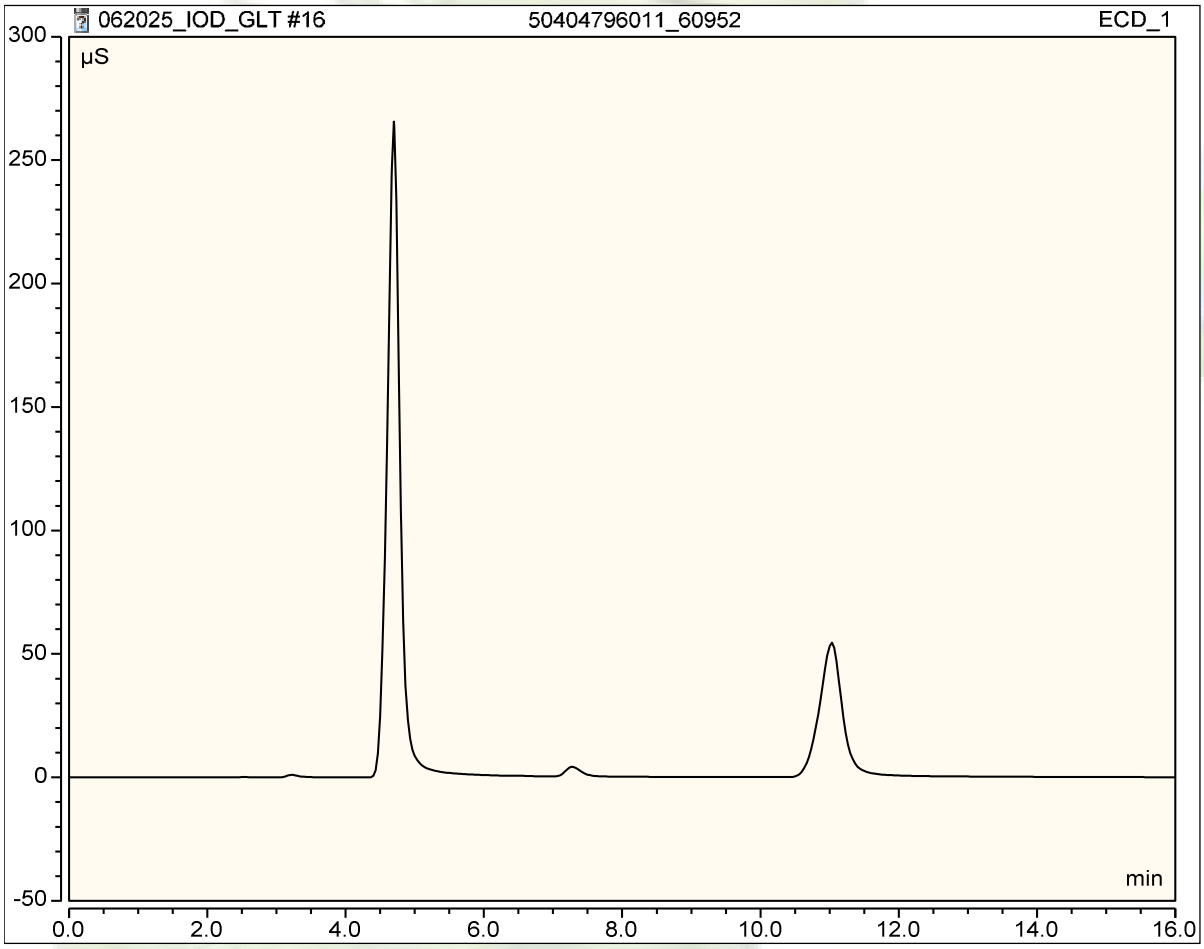
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796011_60952

Sample Name:	**50404796011_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 23:19**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

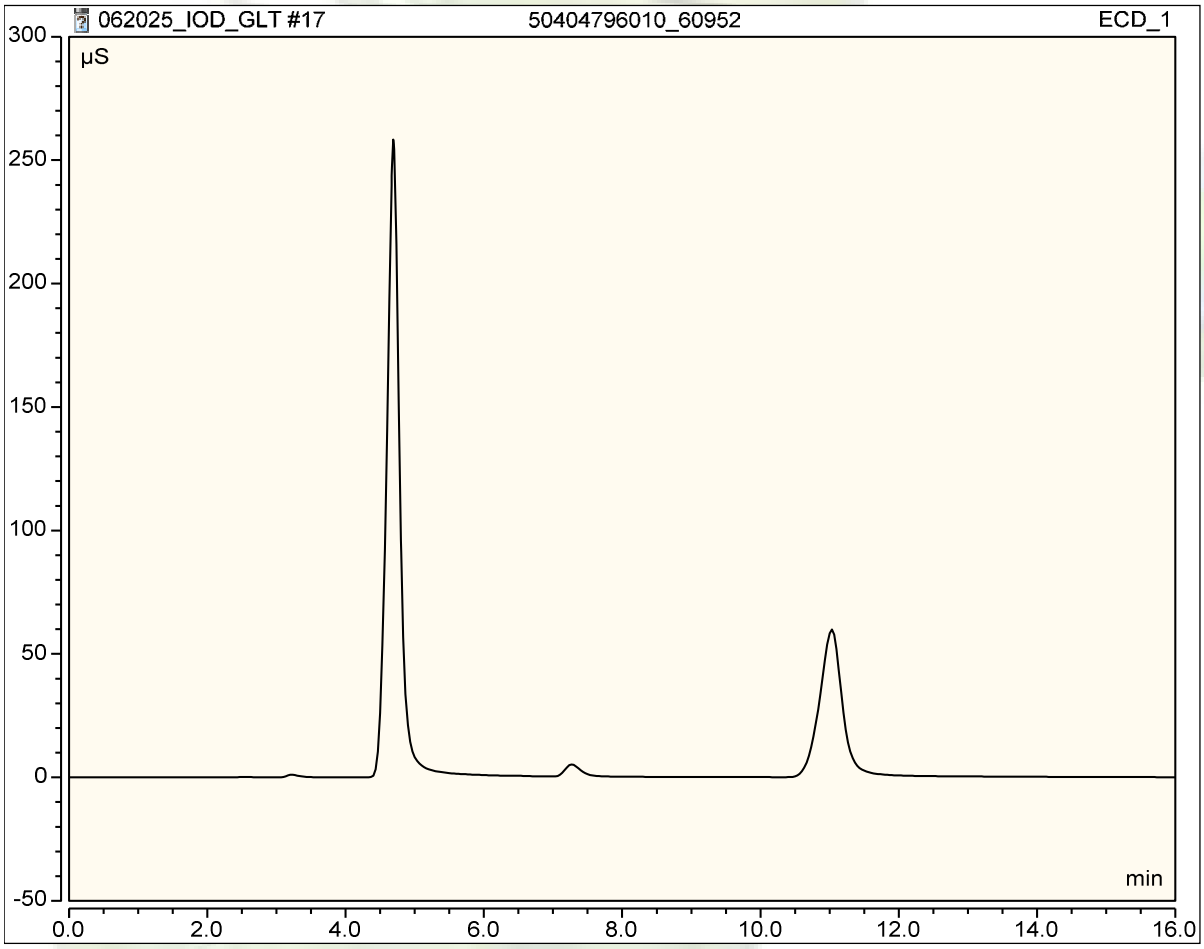
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796010_60952

Sample Name:	**50404796010_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB**6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 23:39**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

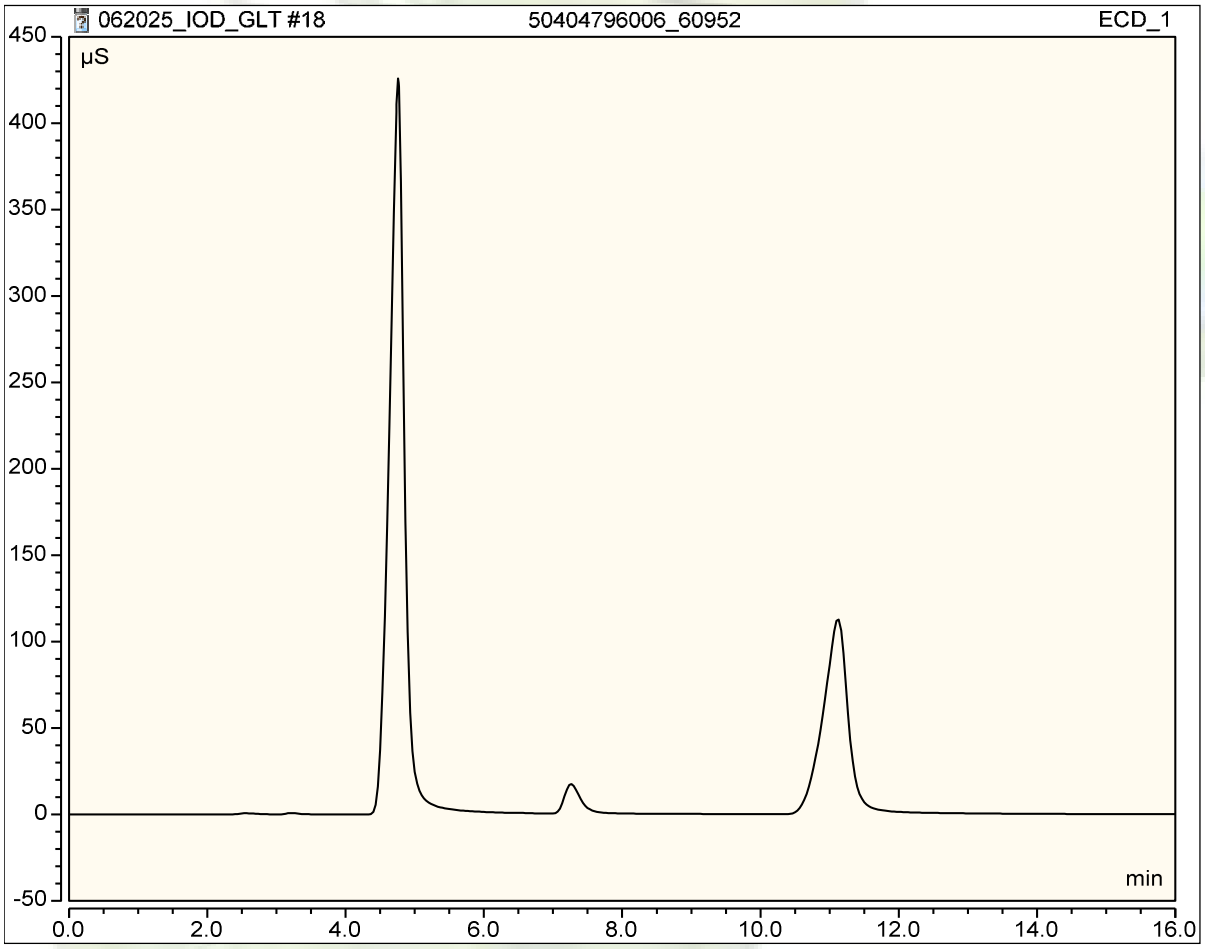
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796006_60952

Sample Name:	**50404796006_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB**%**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C**.** L/ l**&'** l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/20/2025 23:58**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

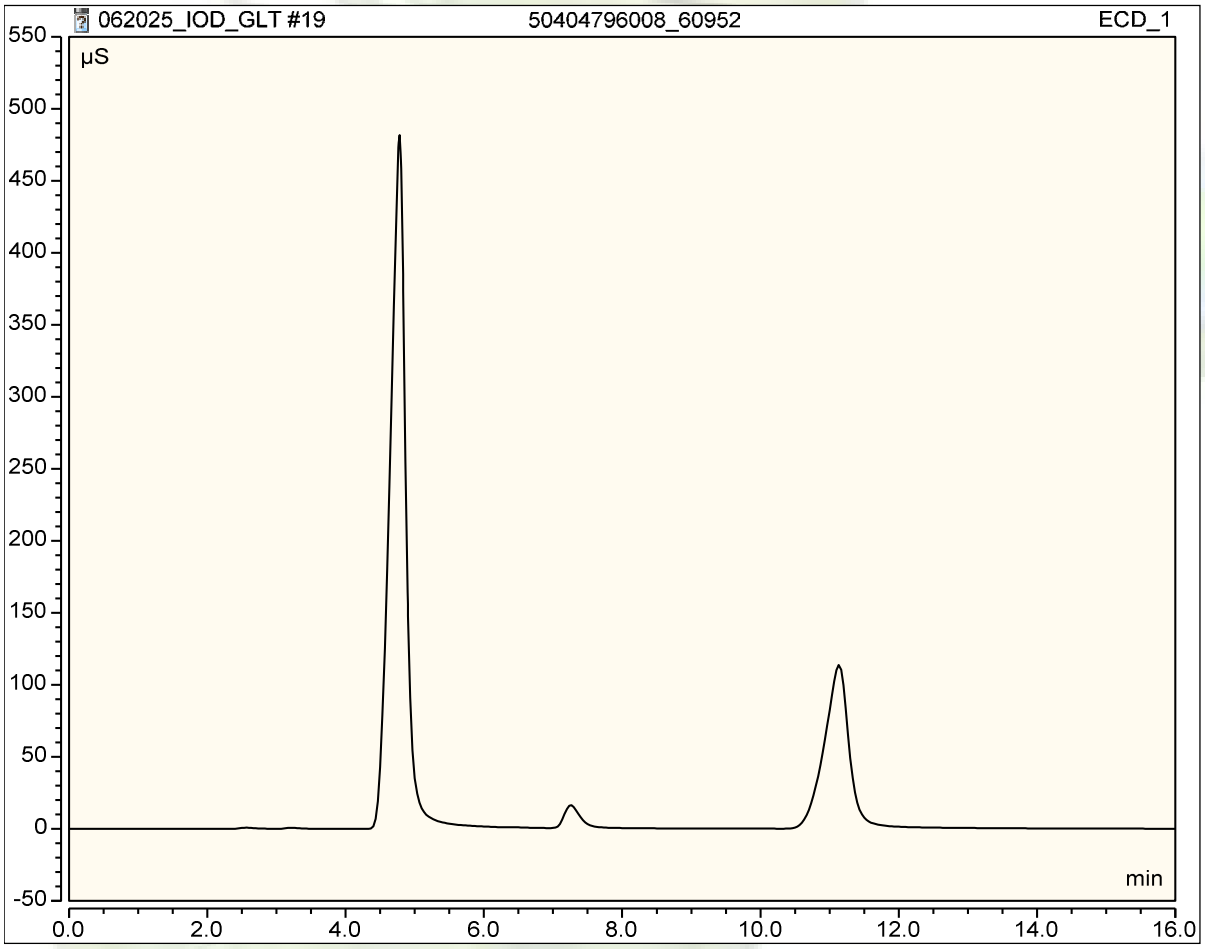
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404796008_60952

Sample Name:	**50404796008_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB#	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 00:17**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

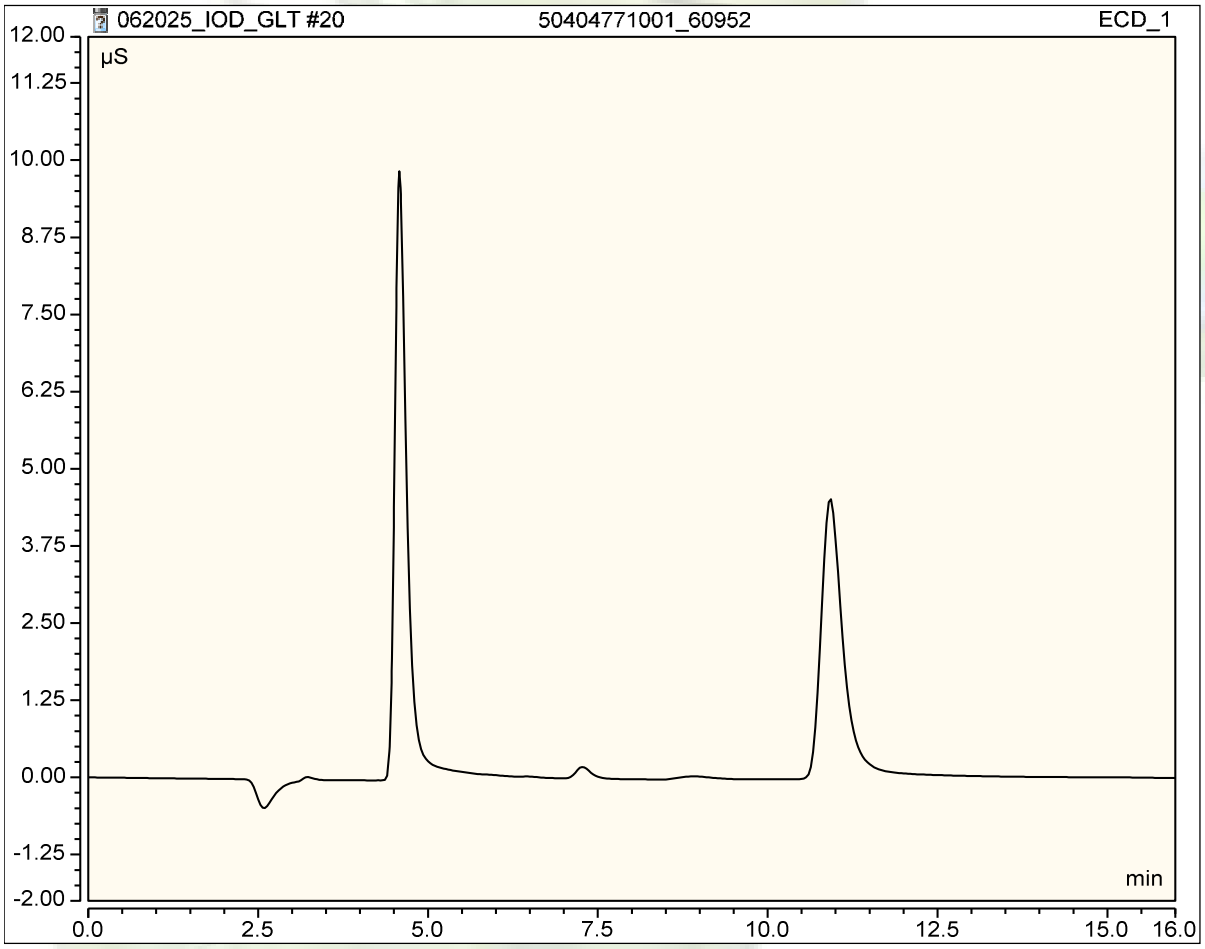
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771001_60952

Sample Name:	**50404771001_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB**4**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C**.** L/ l**&'** l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 00:37**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

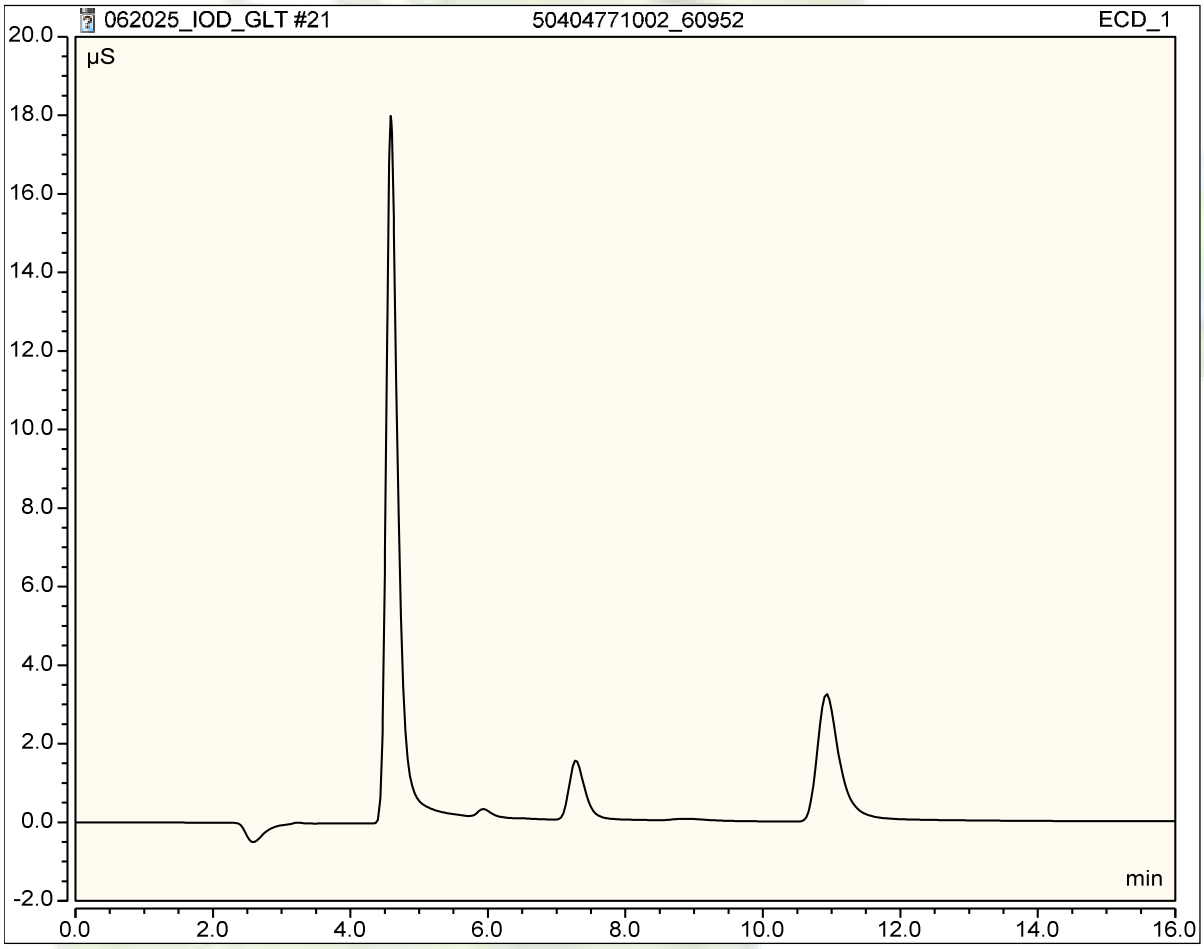
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771002_60952

Sample Name:	**50404771002_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB**7**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C**.** L/ l**&'** l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 00:56**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

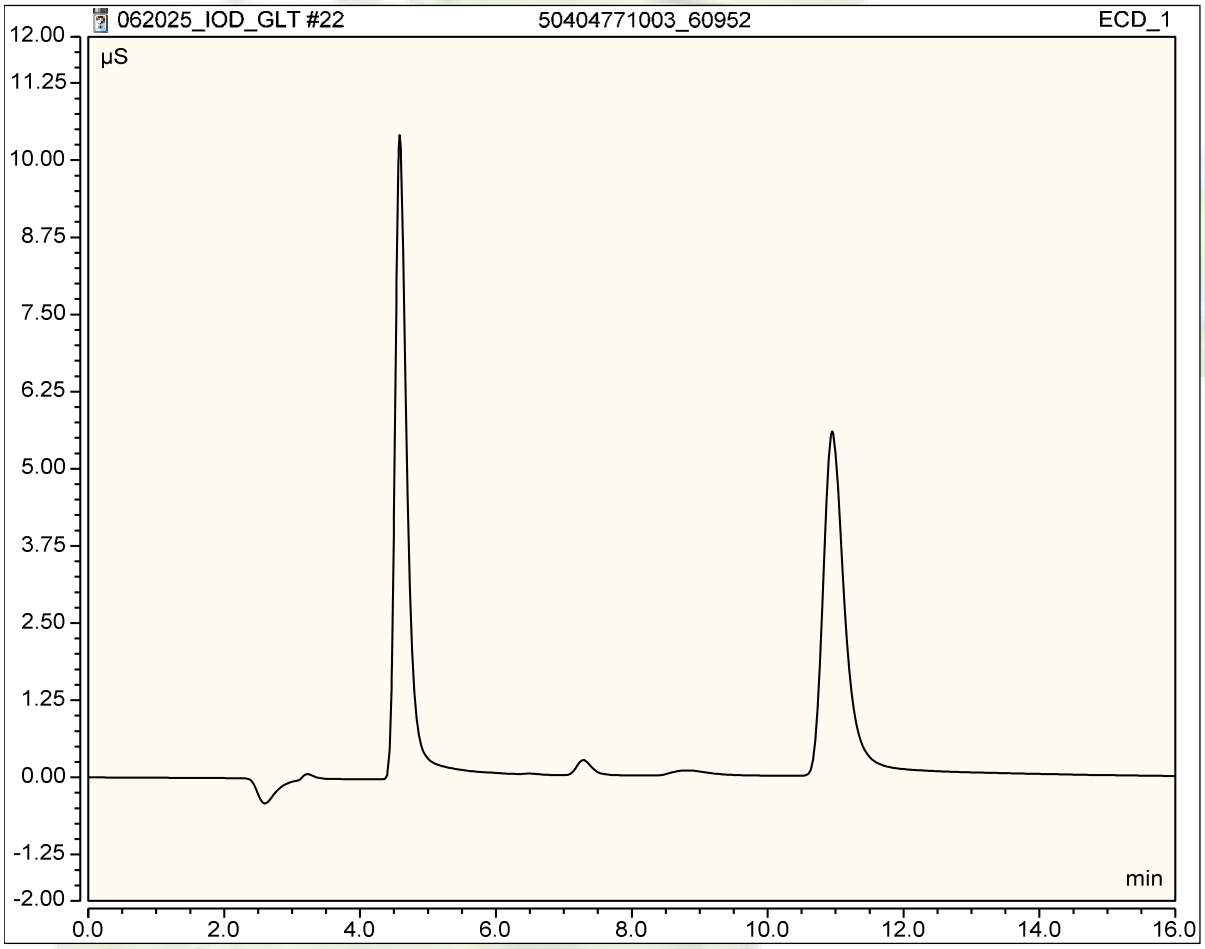
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771003_60952

Sample Name:	**50404771003_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BB*8*	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control *!* ro"ram:	***#IC%&'***	*(* luent Stock:	**416359**
) uanti*+, etho- :	C*.* L/ l*&'* l' *($%*	*'* ilution *0*actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 01:15**	Sample *2* ei"ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy*5*tem Name:	**50IC04**

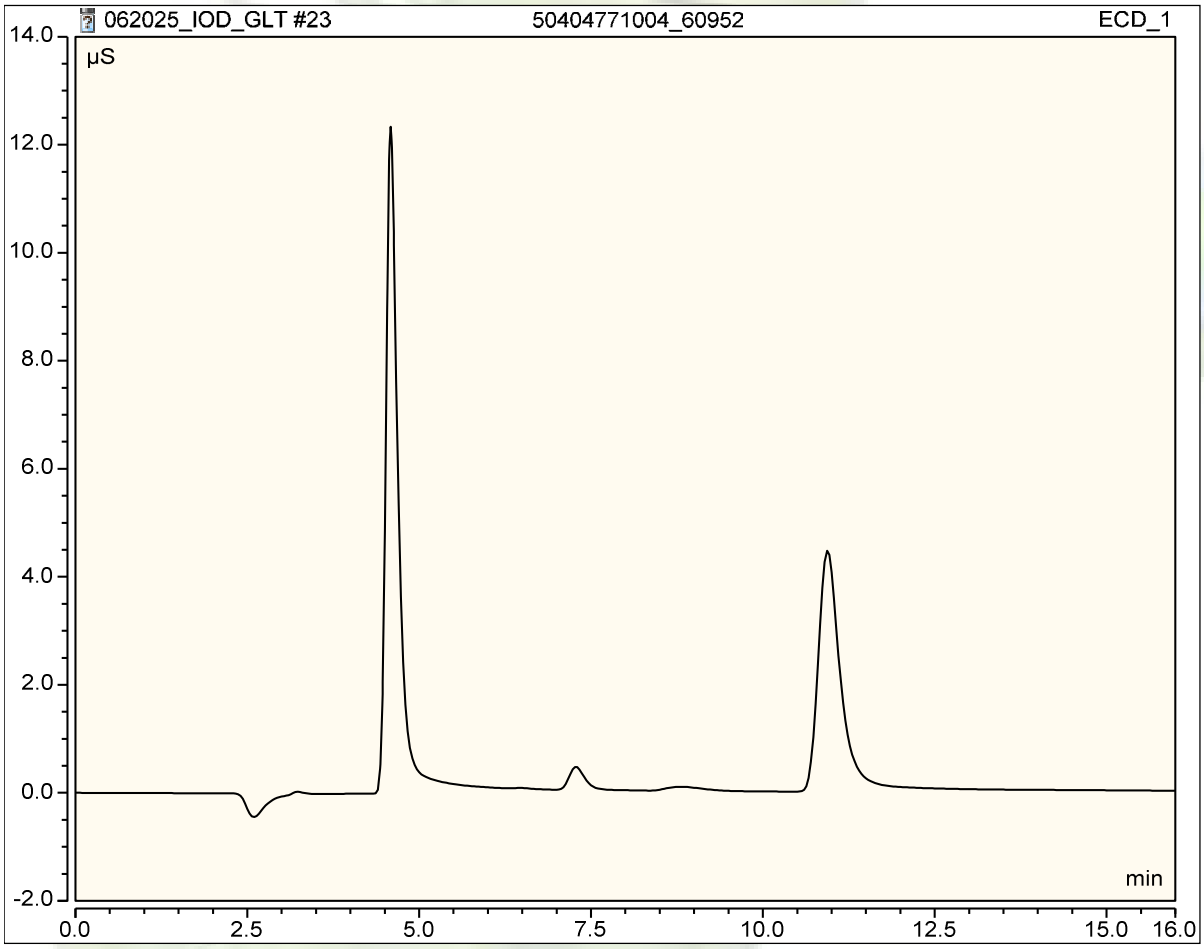
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771004_60952
412748

Sample Name:	**50404771004_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BC**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 01:34**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

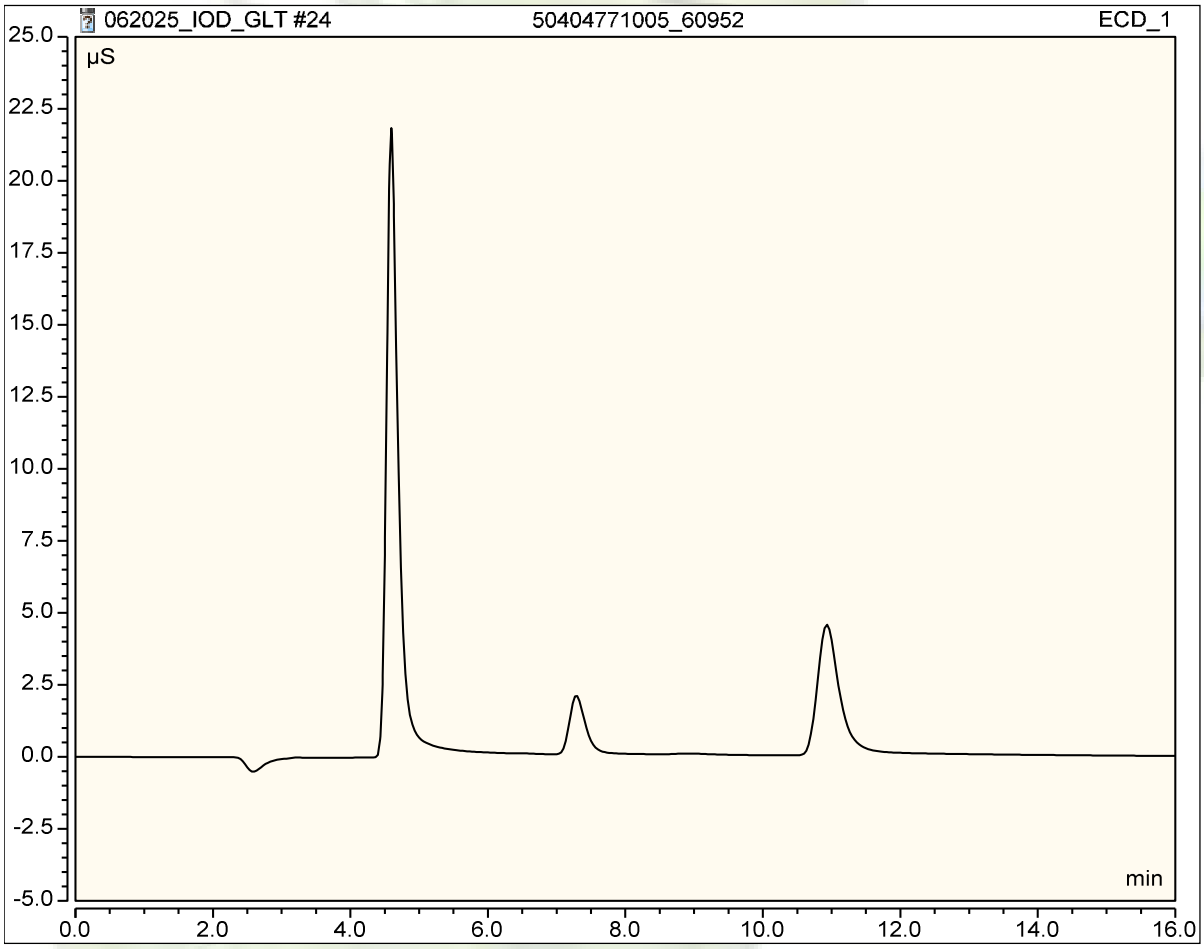
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771005_60952
412748

Sample Name:	**50404771005_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BC2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 01:54**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

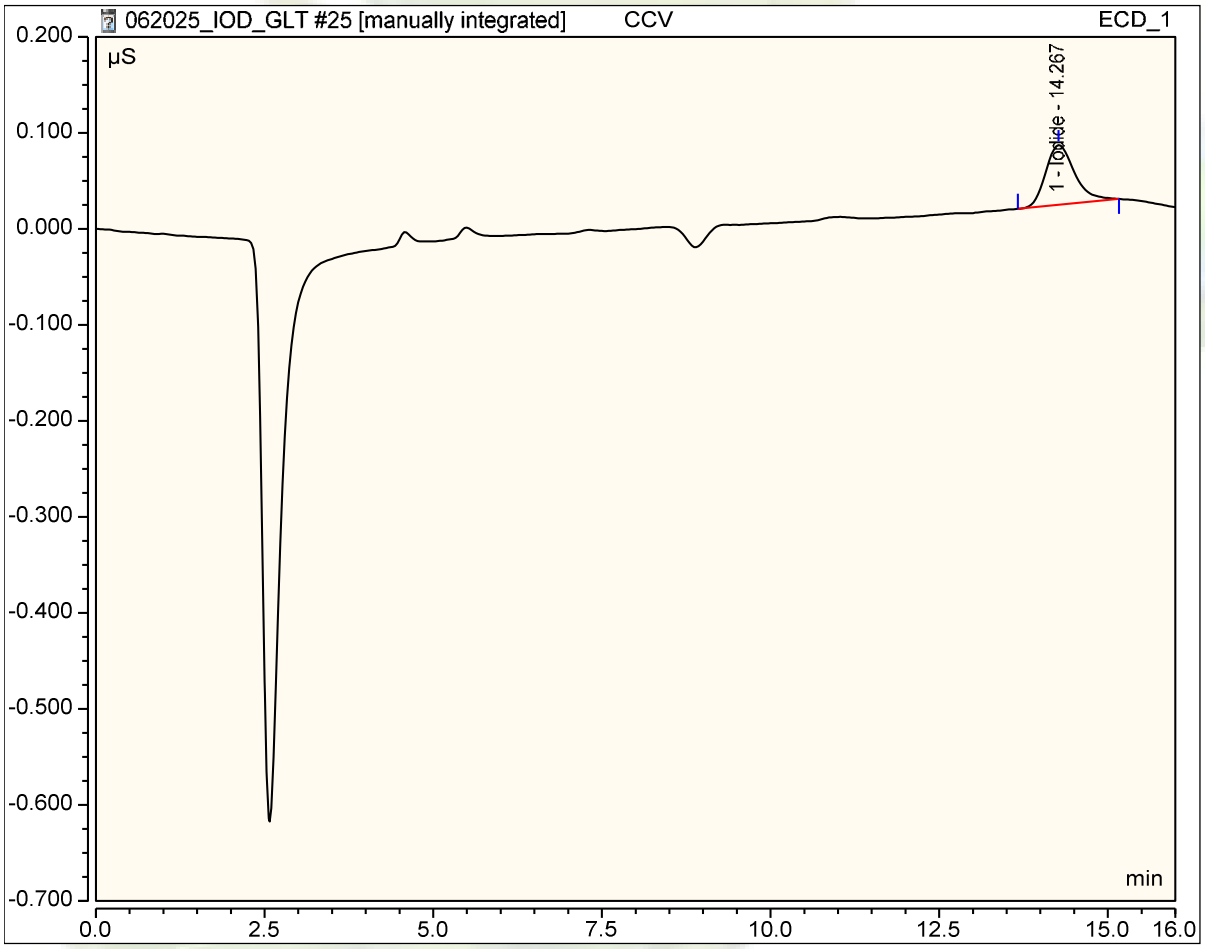
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 02:13**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

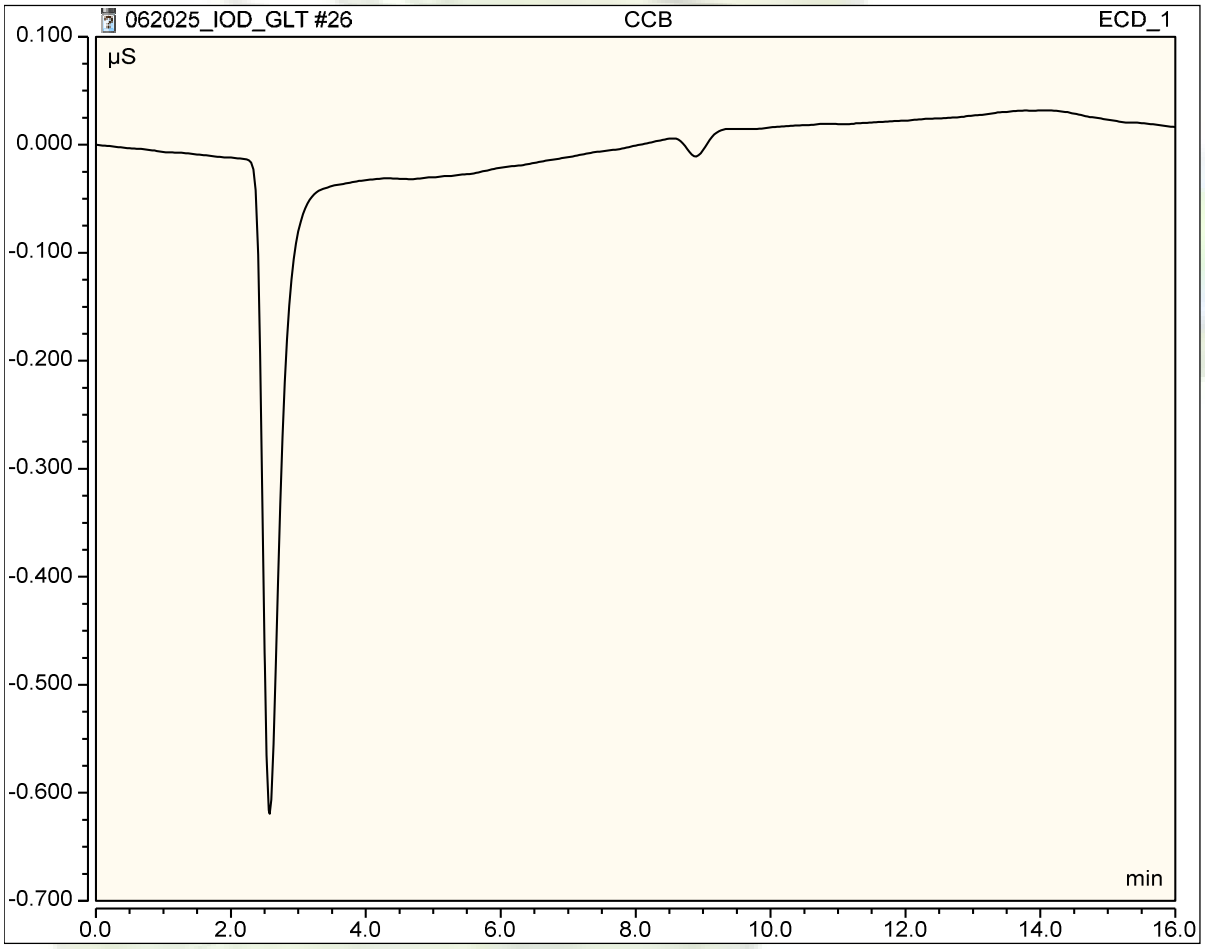
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.27	**Iodide**	0.9895	0.031	0.062	BMB*



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 02:32**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

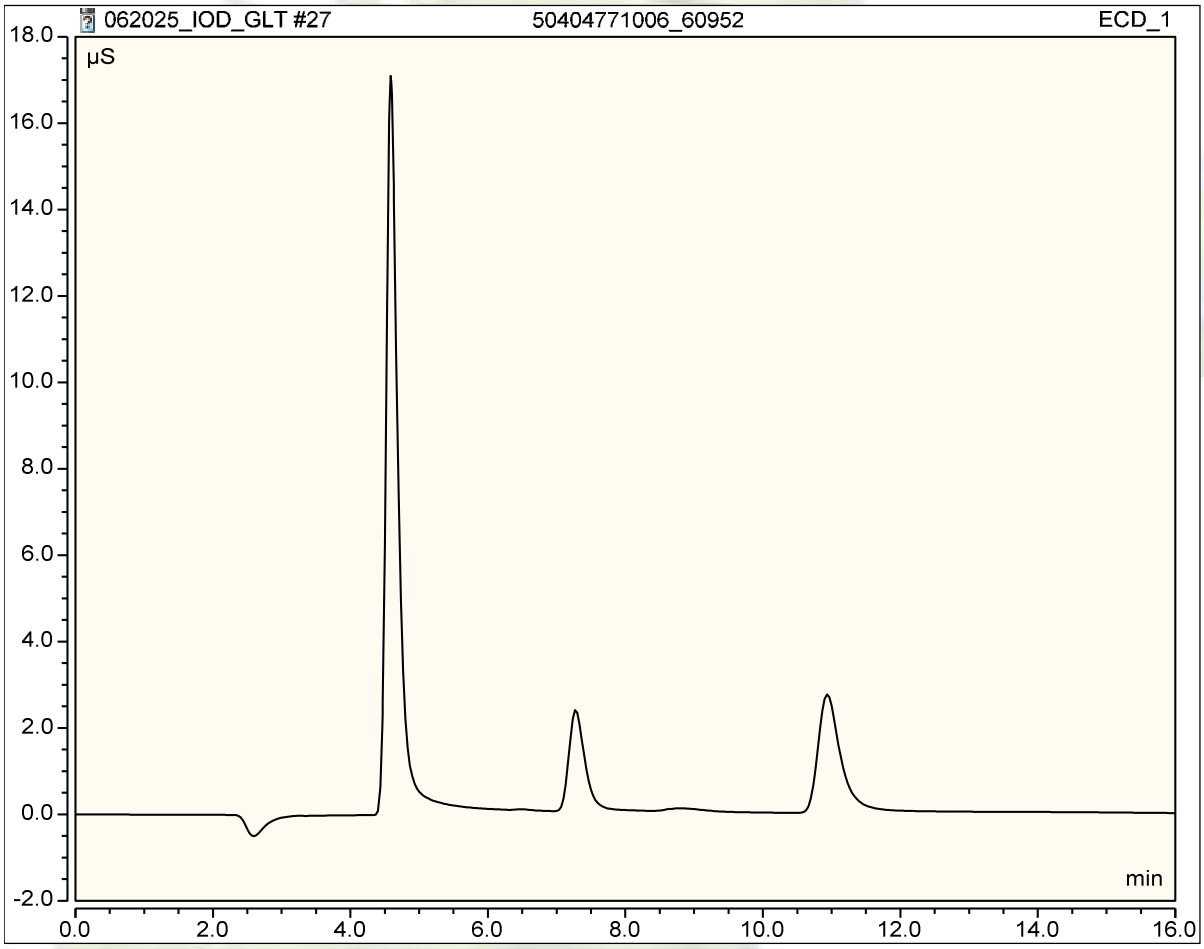
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771006_60952

Sample Name:	**50404771006_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BC**6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 02:51**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

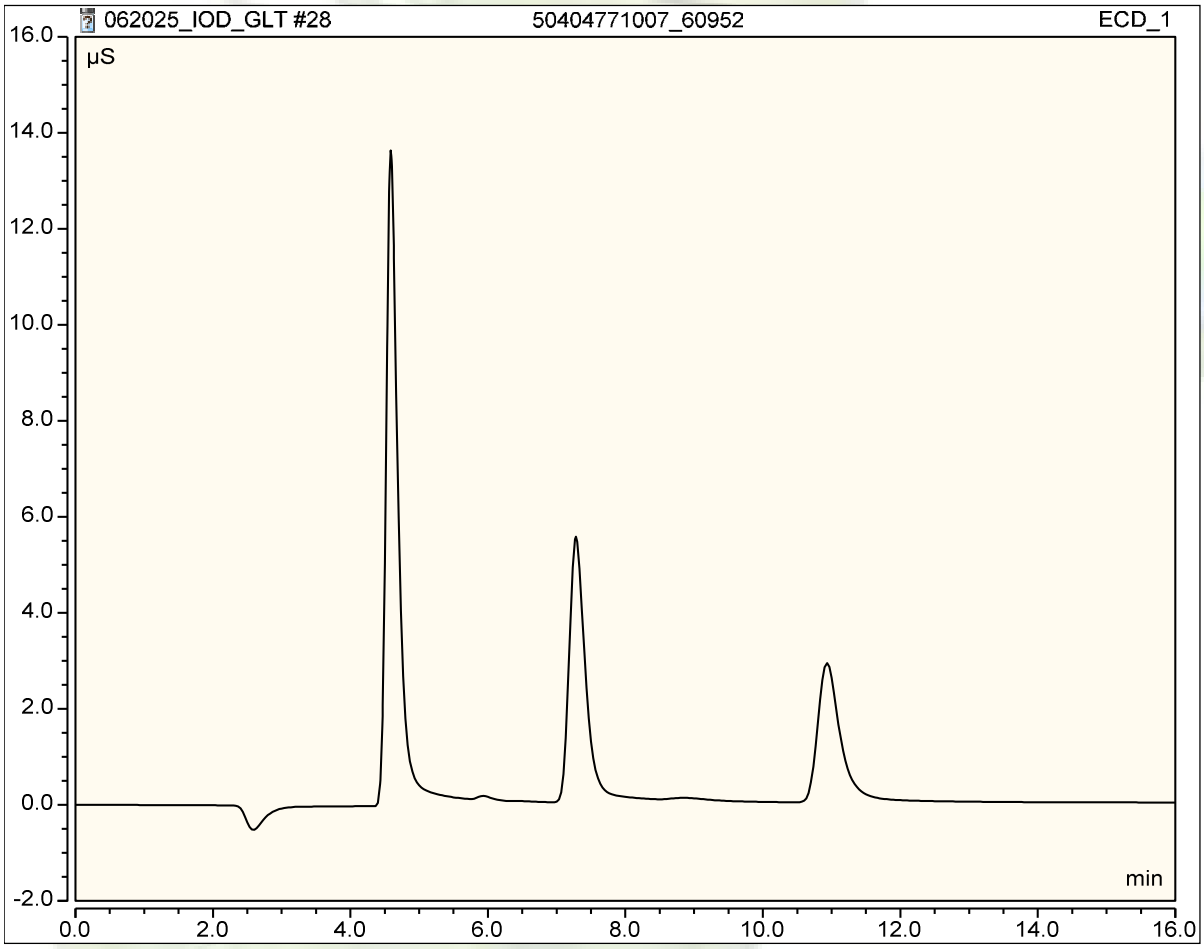
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771007_60952

Sample Name:	**50404771007_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BC**%**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti***+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 03:11**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

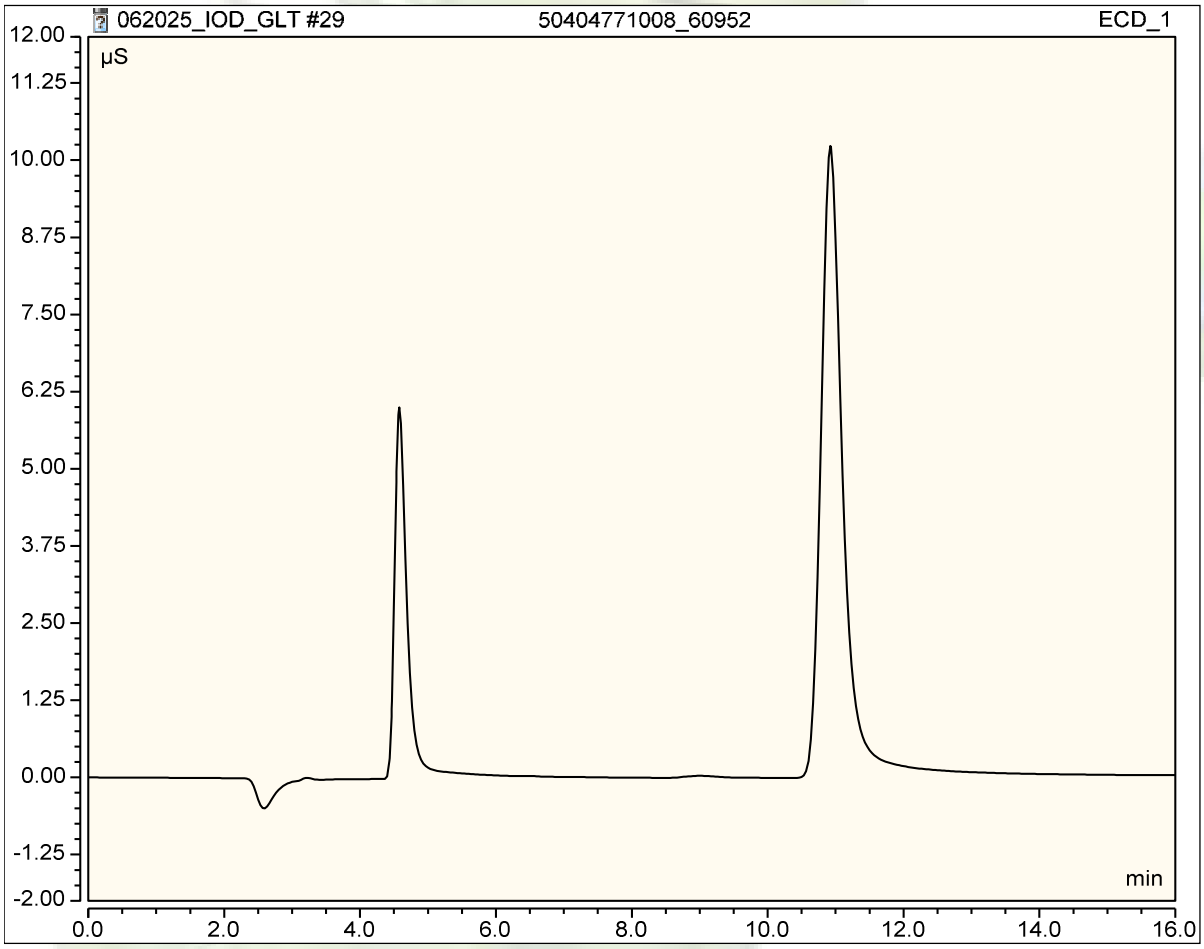
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771008_60952

Sample Name:	**50404771008_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BC#	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 03:30**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

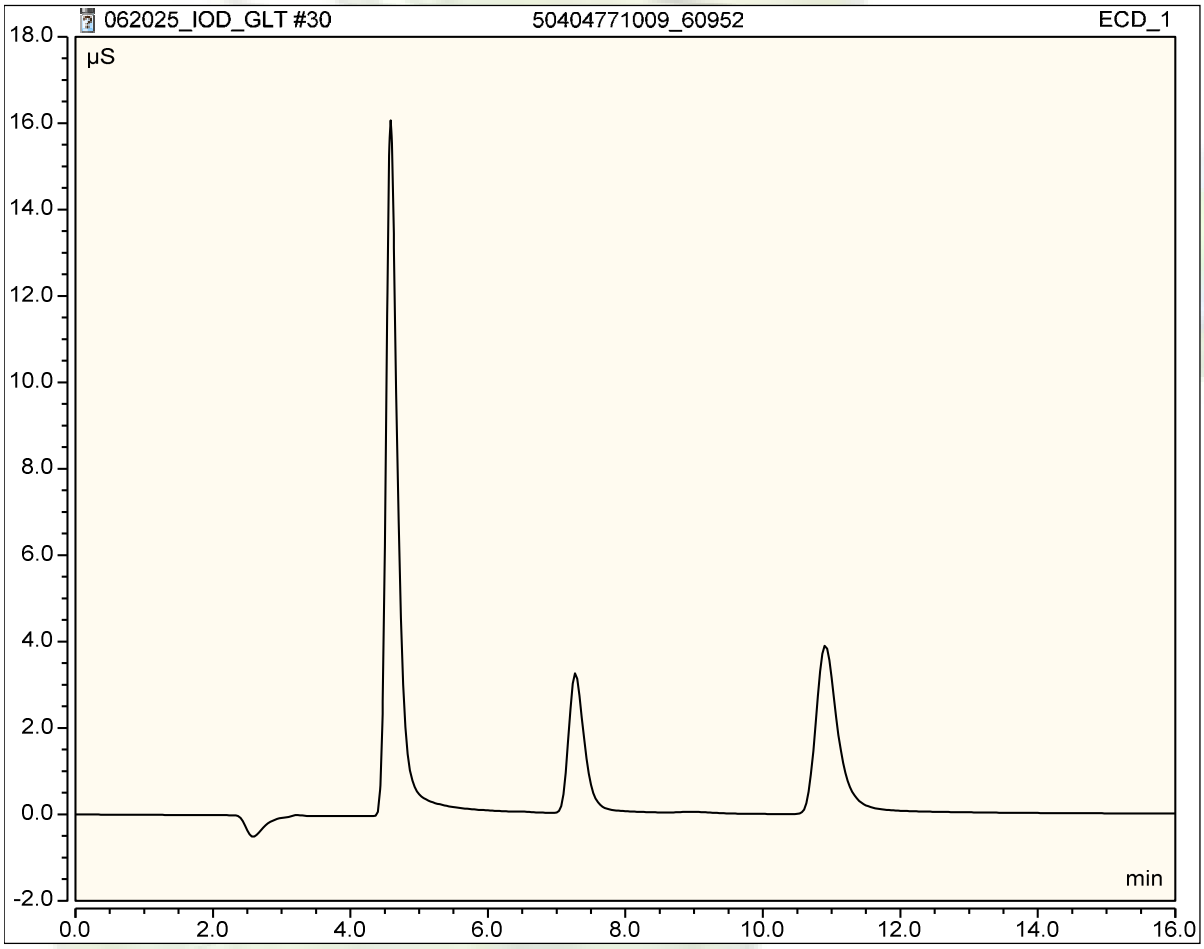
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771009_60952

Sample Name:	**50404771009_60952**	Injection Volume (uL):	**25.00**
Vial Number:	BC*4*	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control *!* ro"ram:	***#$*IC*$%&'***	*(* luent Stock:	**416359**
) uanti*+,* etho- :	C*.* L/ l*&'* l' *($%*	*'* ilution *0*actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 03:49**	Sample *2* ei"ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy*5*tem Name:	**50IC04**

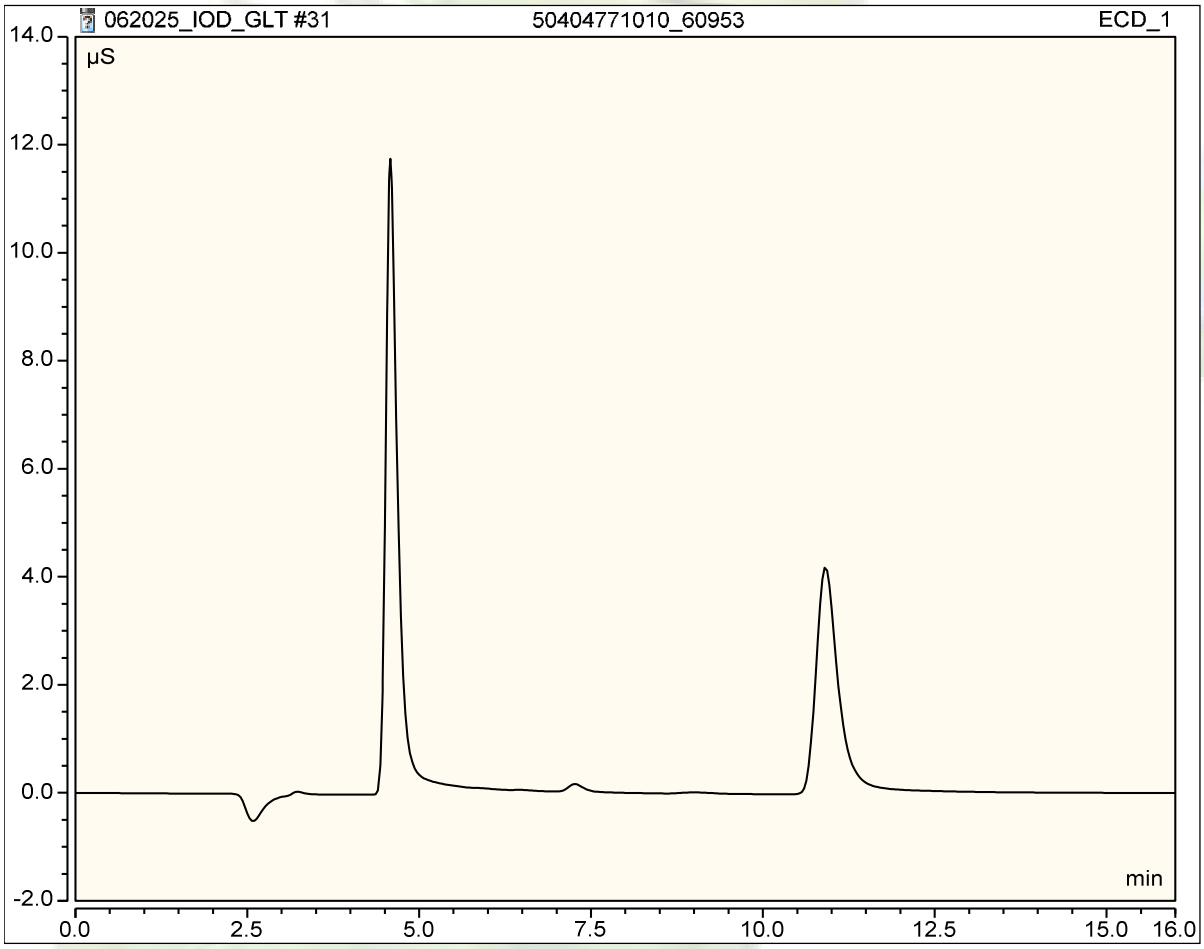
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771010_60953

Sample Name:	**50404771010_60953**	Injection Volume (uL):	**25.00**
Vial Number:	BC**7**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 04:09**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

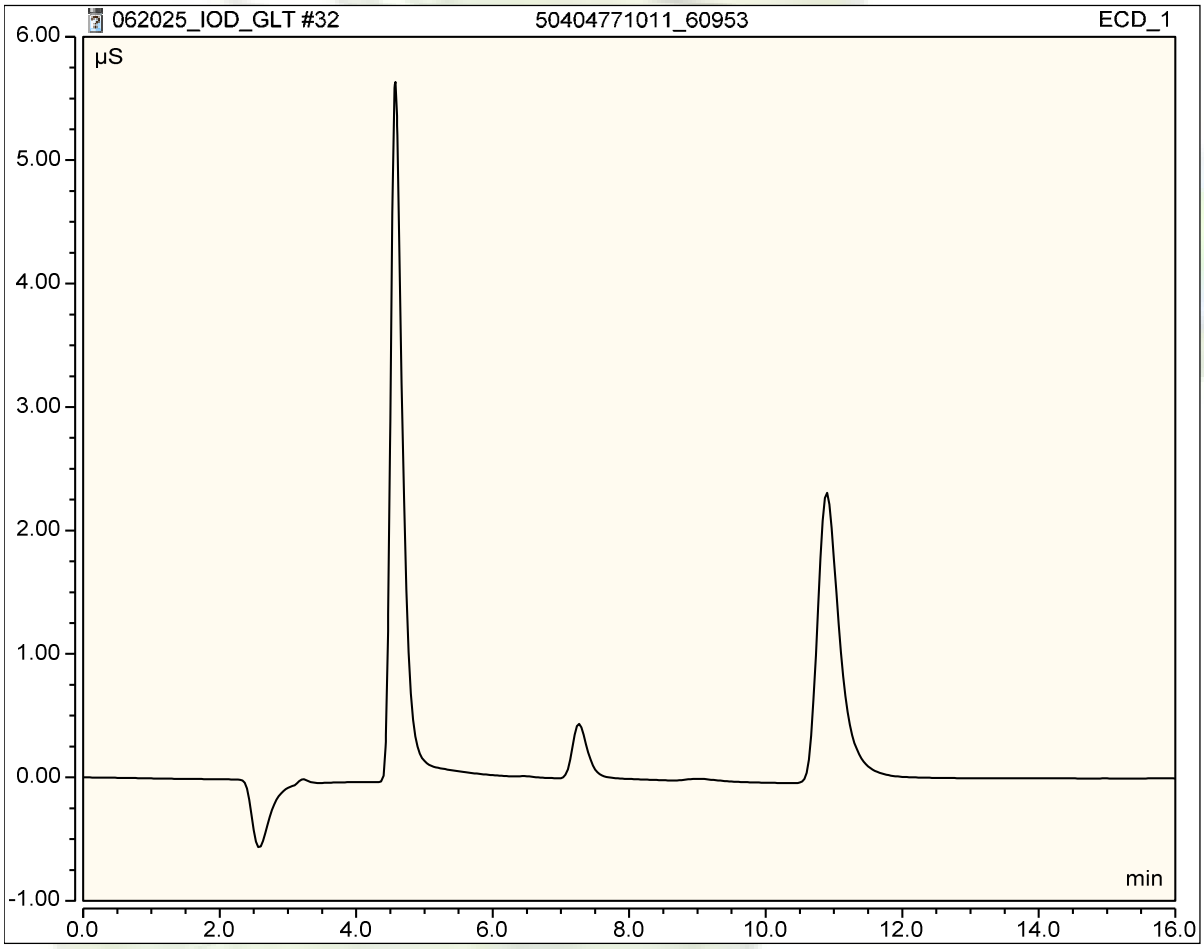
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771011_60953

Sample Name:	**50404771011_60953**	Injection Volume (uL):	**25.00**
Vial Number:	BC*8*	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control *!* ro"ram:	***#$*IC*$%&'***	*(* luent Stock:	**416359**
) uanti*+, etho- :	C*.* L/ l*&'* l' *($%*	*'* ilution *0*actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 04:28**	Sample *2* ei"ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy*5*tem Name:	**50IC04**

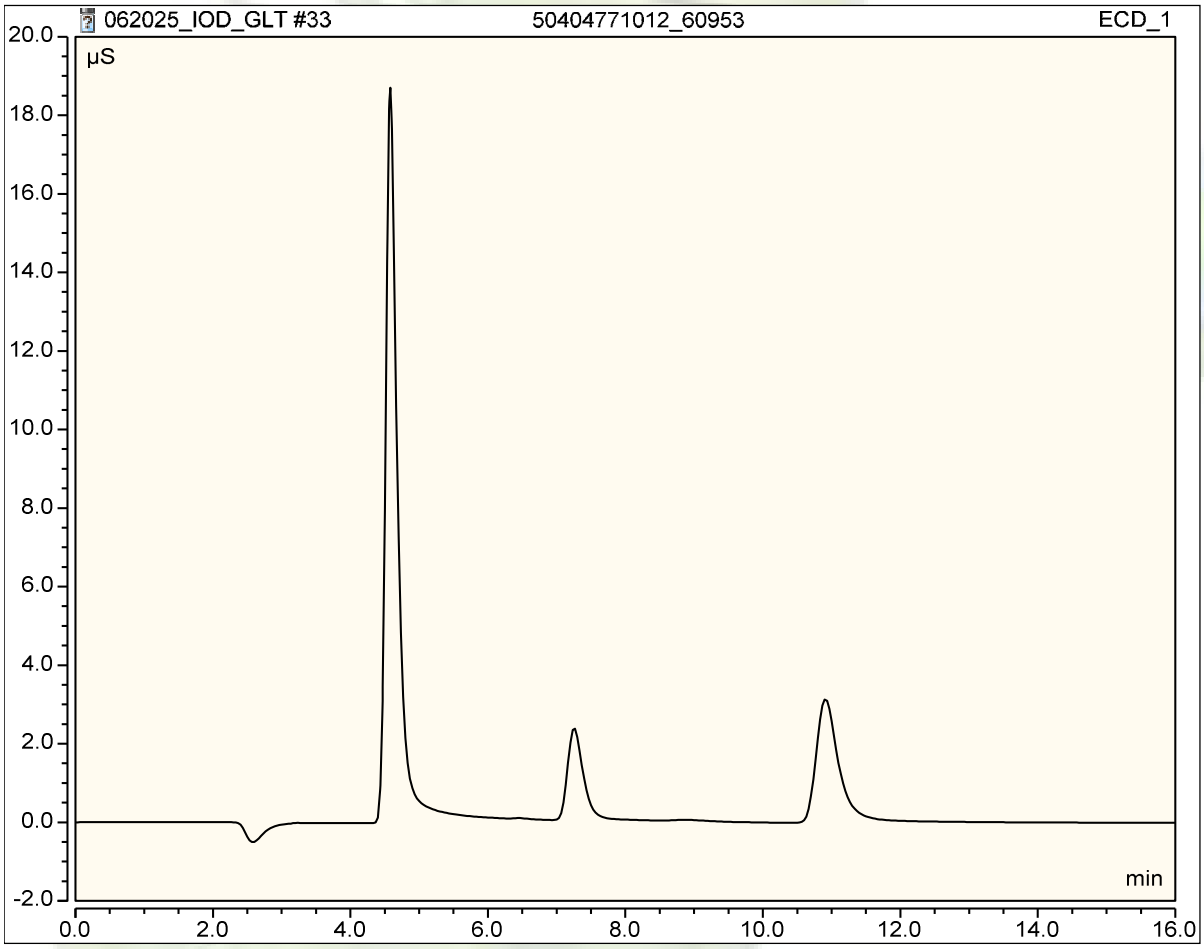
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771012_60953

Sample Name:	**50404771012_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B' 3	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	#IC%&'	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 04:47**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

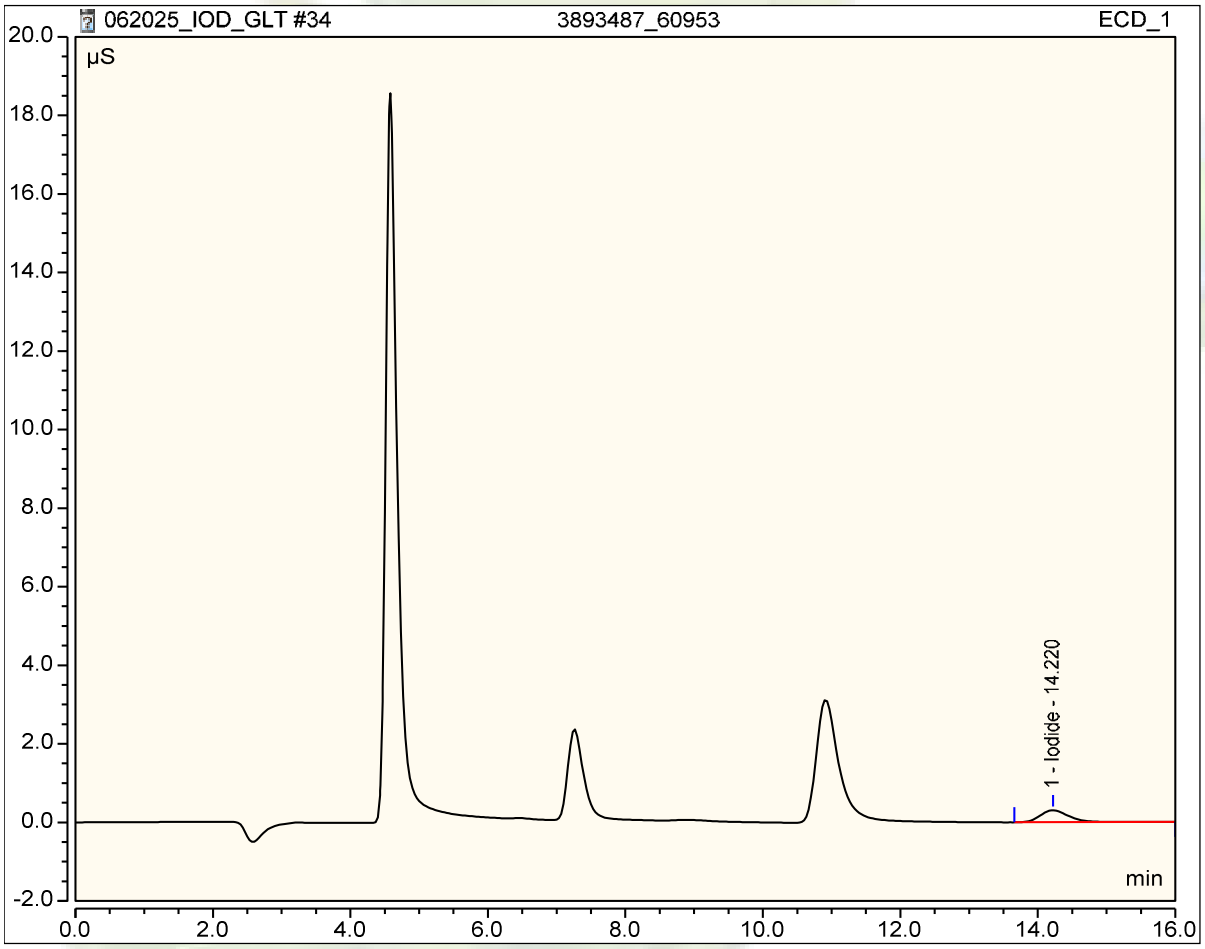
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893487_60953
377680

Sample Name:	**3893487_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B′ 2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro″ram:	**#IC%&′**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ I&′ I′ ($%	′ ilution 0actor	**1.0000**
1 ecor- in″ Time:	**06/21/2025 05:06**	Sample 2 ei″ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

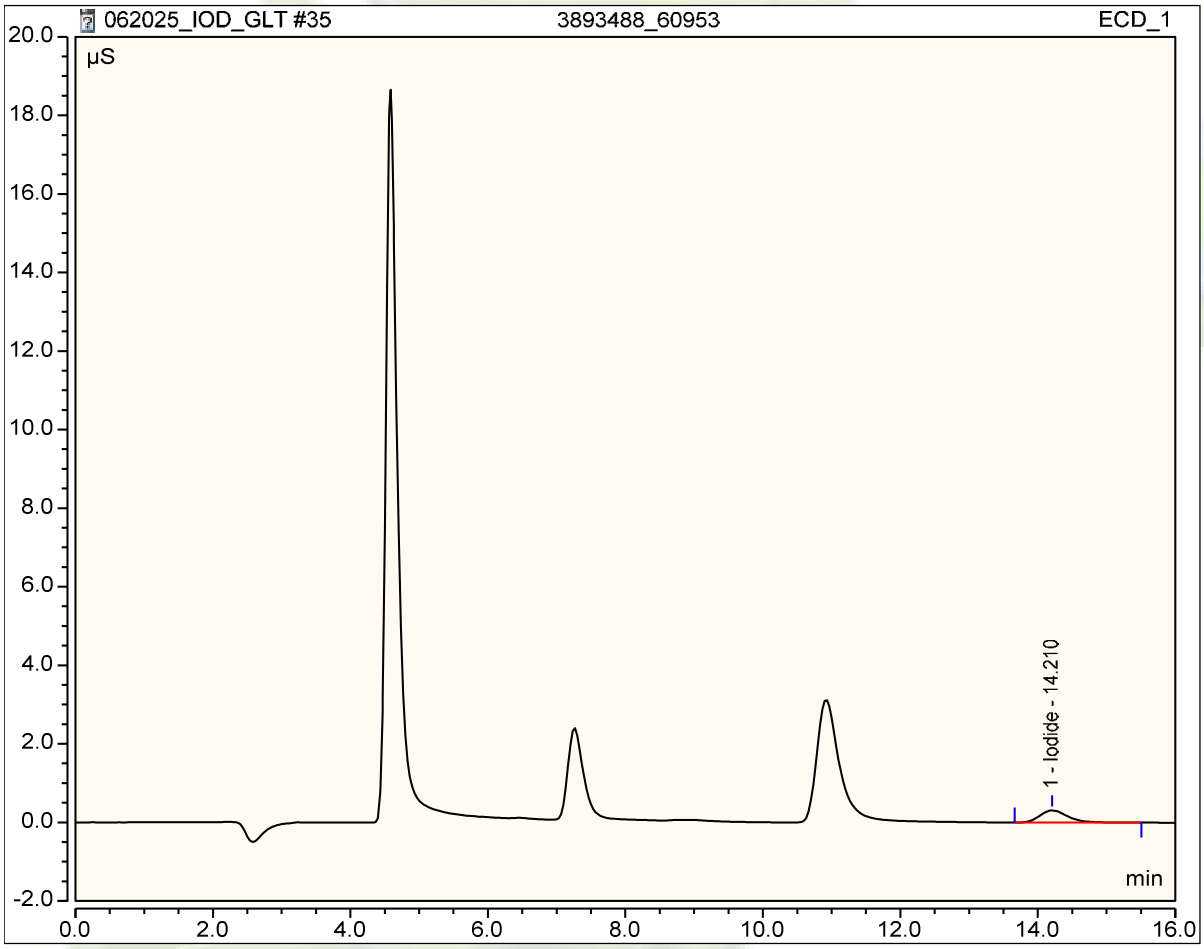
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.22	**Iodide**	4.6543	0.151	0.307	BMB



3893488_60953
377680

Sample Name:	**3893488_60953**	Injection Volume (uL):	**25.00**
Vial Number:	**B' 6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 05:26**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

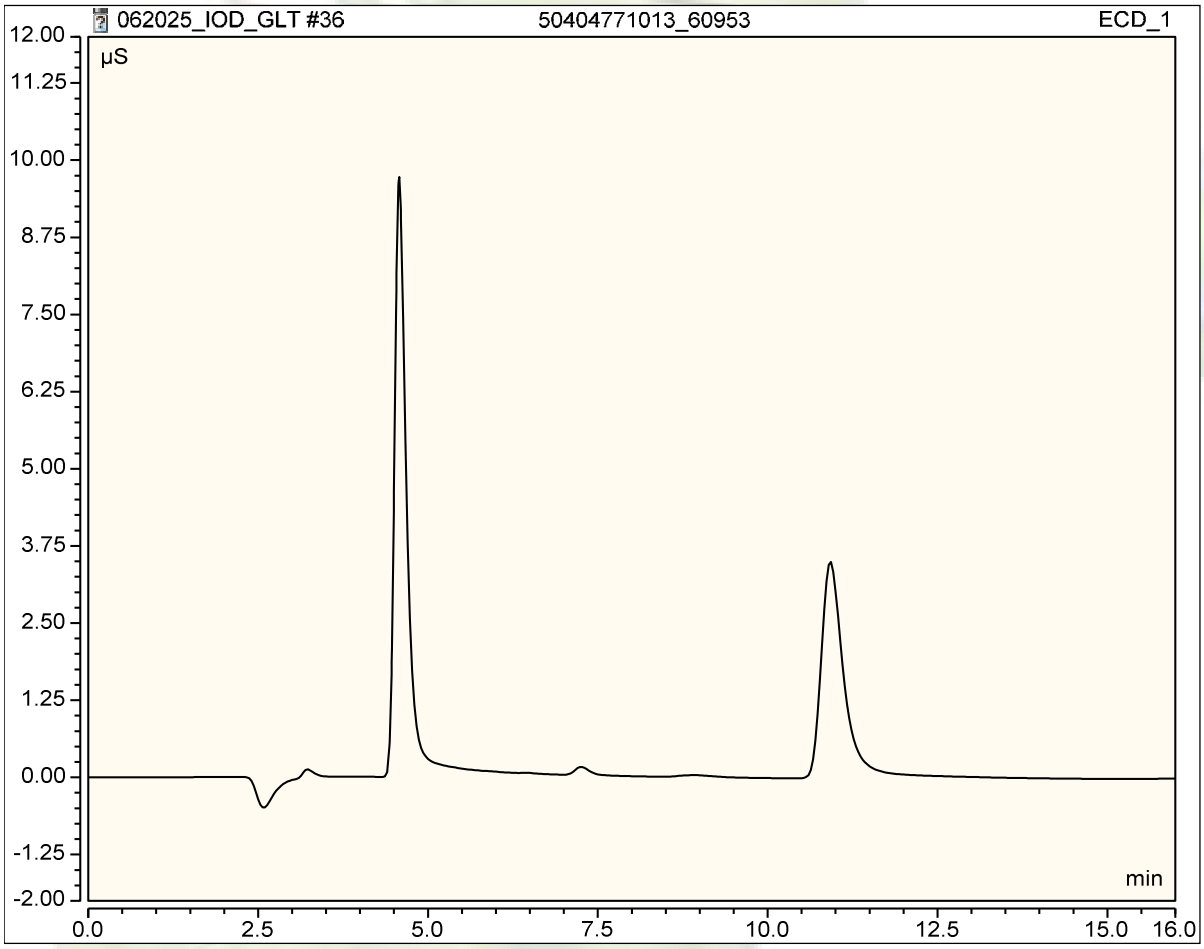
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.21	**Iodide**	4.5249	0.146	0.309	BMB



50404771013_60953

Sample Name:	**50404771013_60953**	Injection Volume (uL):	**25.00**
Vial Number:	**B' %**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	**C. L/ l&' l' ($%**	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 05:45**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

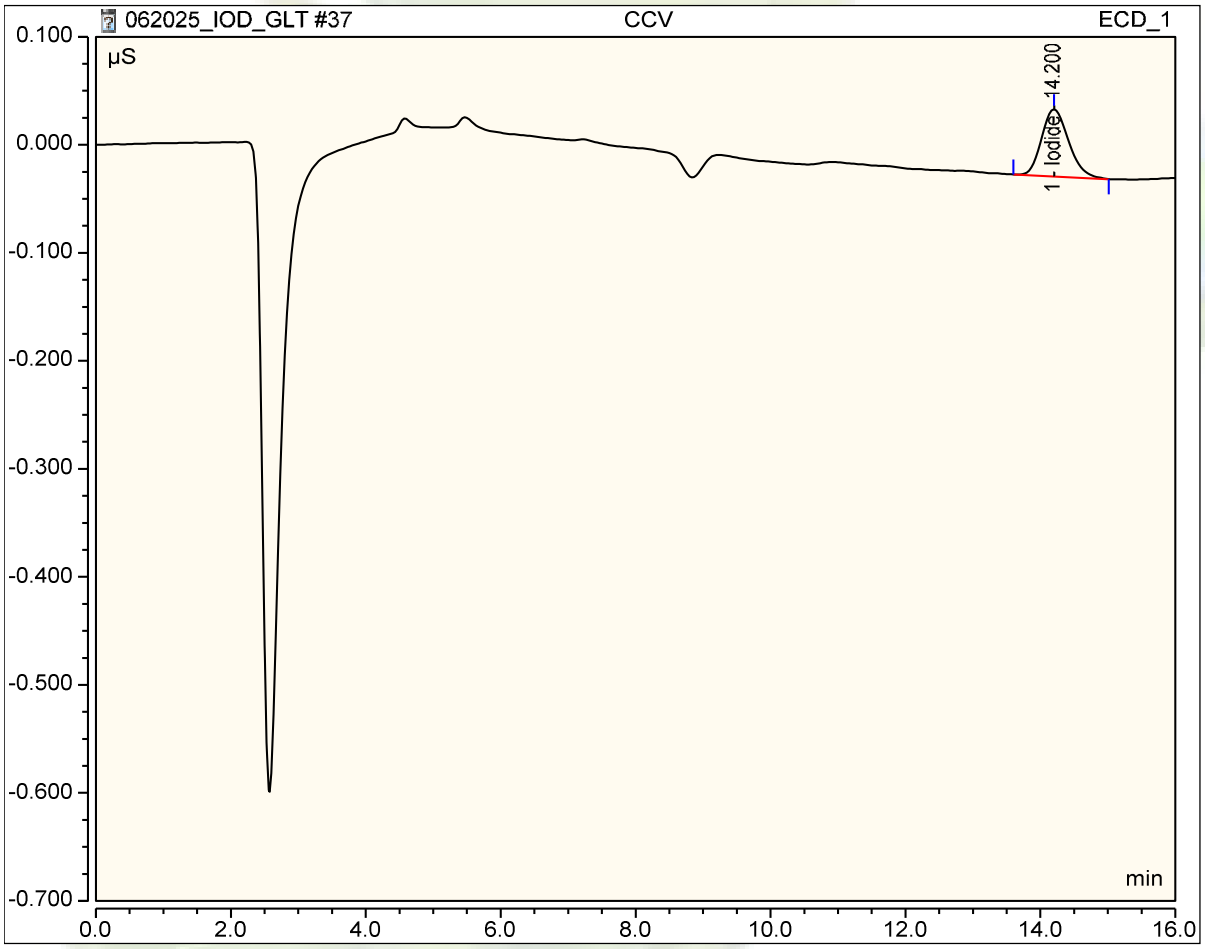
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 06:04**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

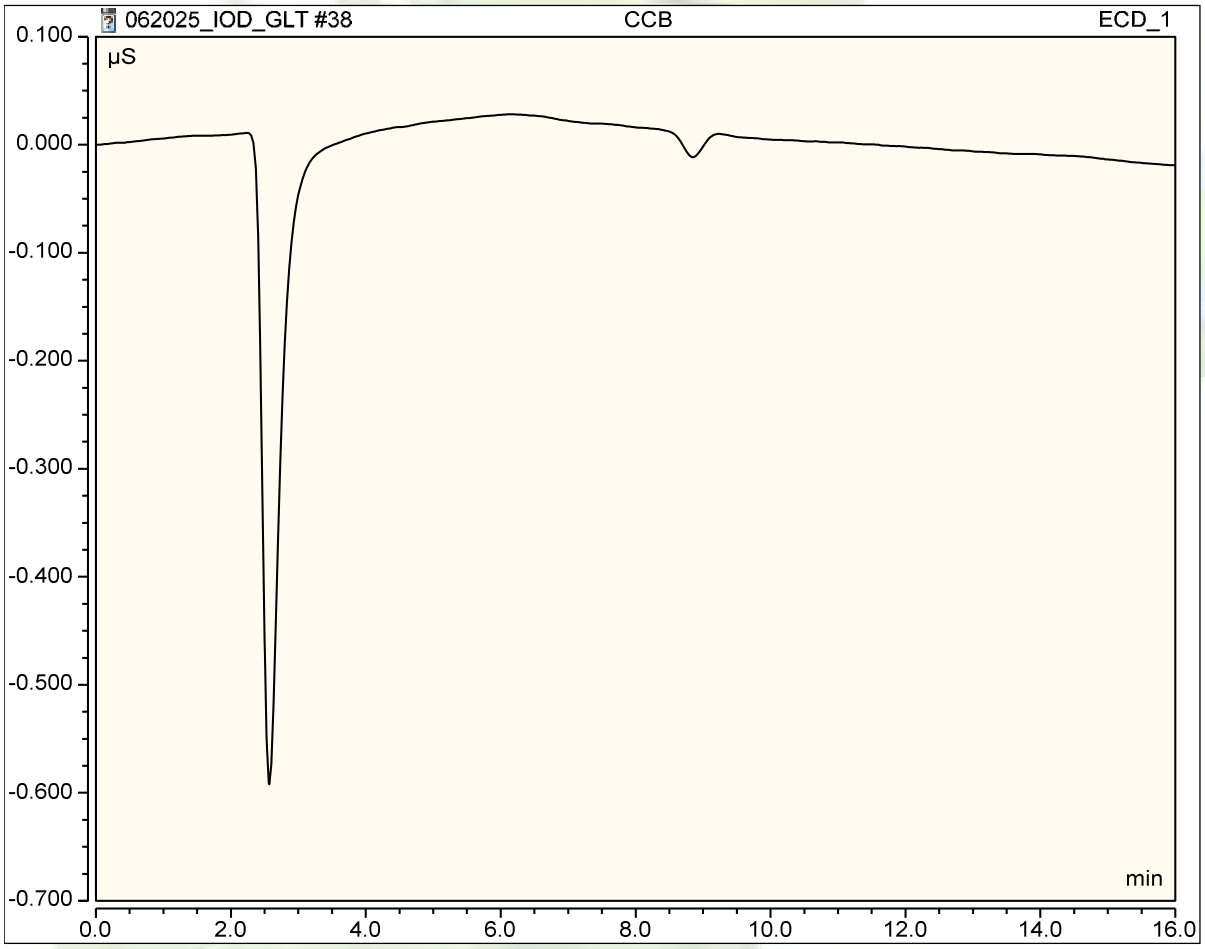
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.20	**Iodide**	0.9221	0.029	0.062	BMB



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **(** **$%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 06:23**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

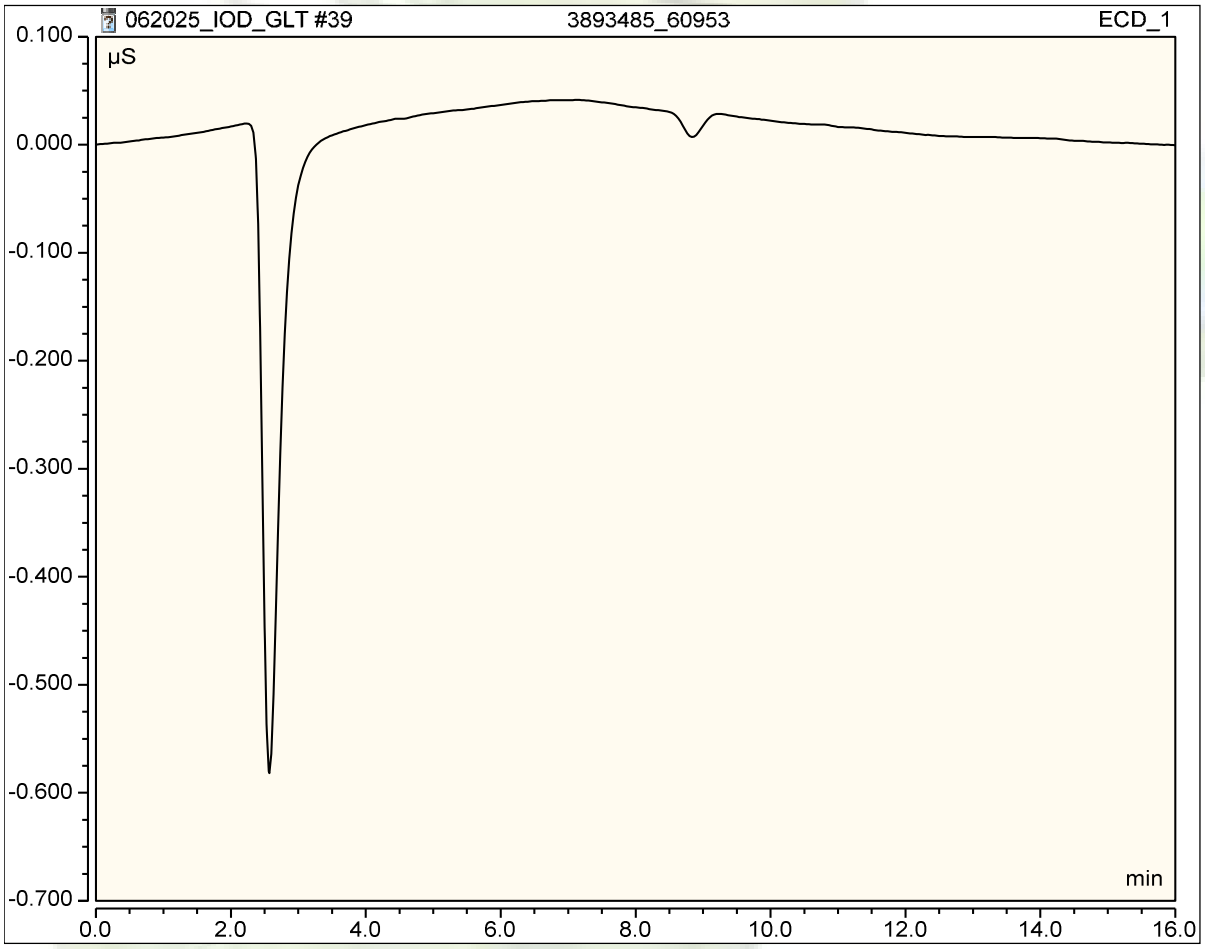
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893485_60953
340111

Sample Name:	**3893485_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1ecor- in" Time:	**06/21/2025 06:43**	Sample **2** ei"ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

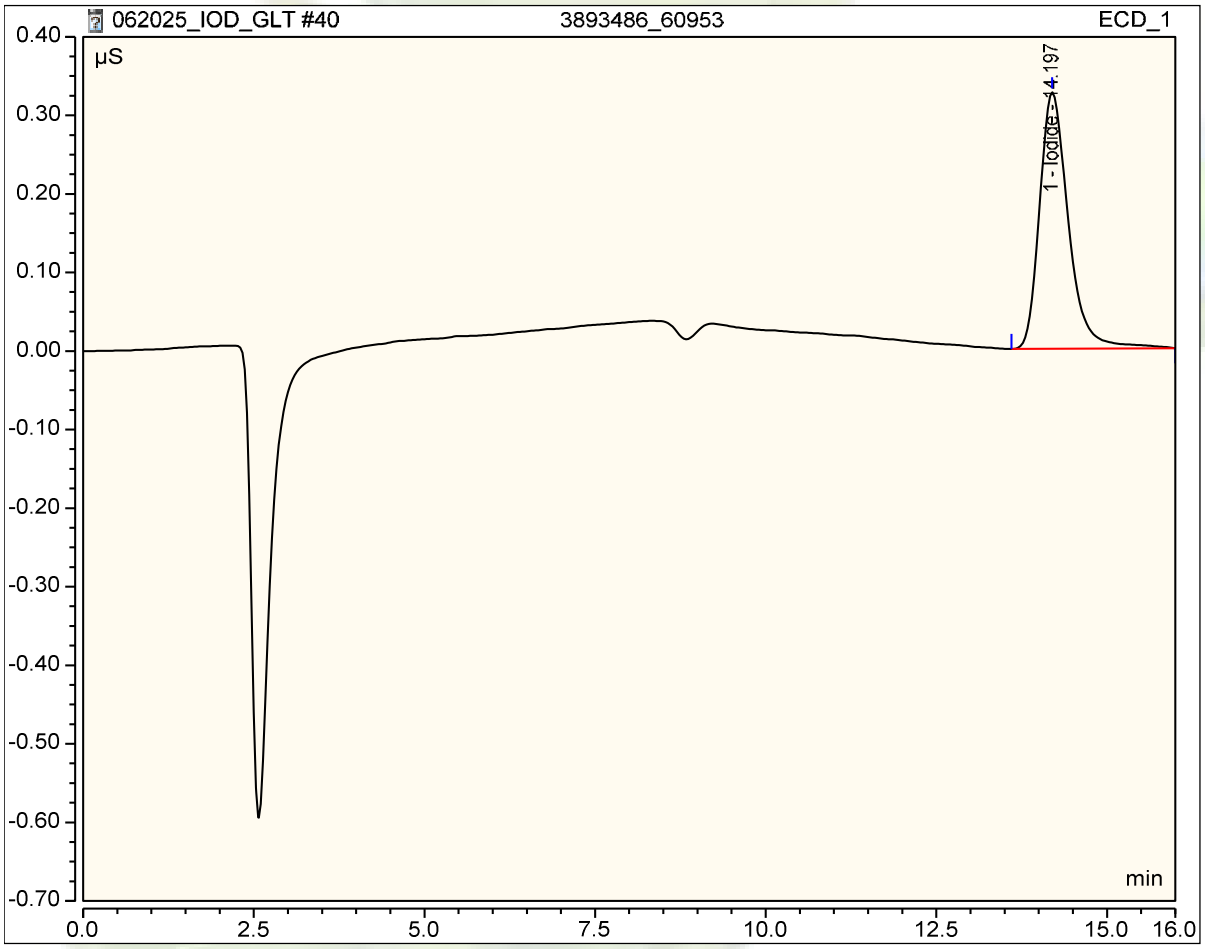
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893486_60953
377680

Sample Name:	**3893486_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B**6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1ecor- in" Time:	**06/21/2025 07:02**	Sample **2** ei"ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

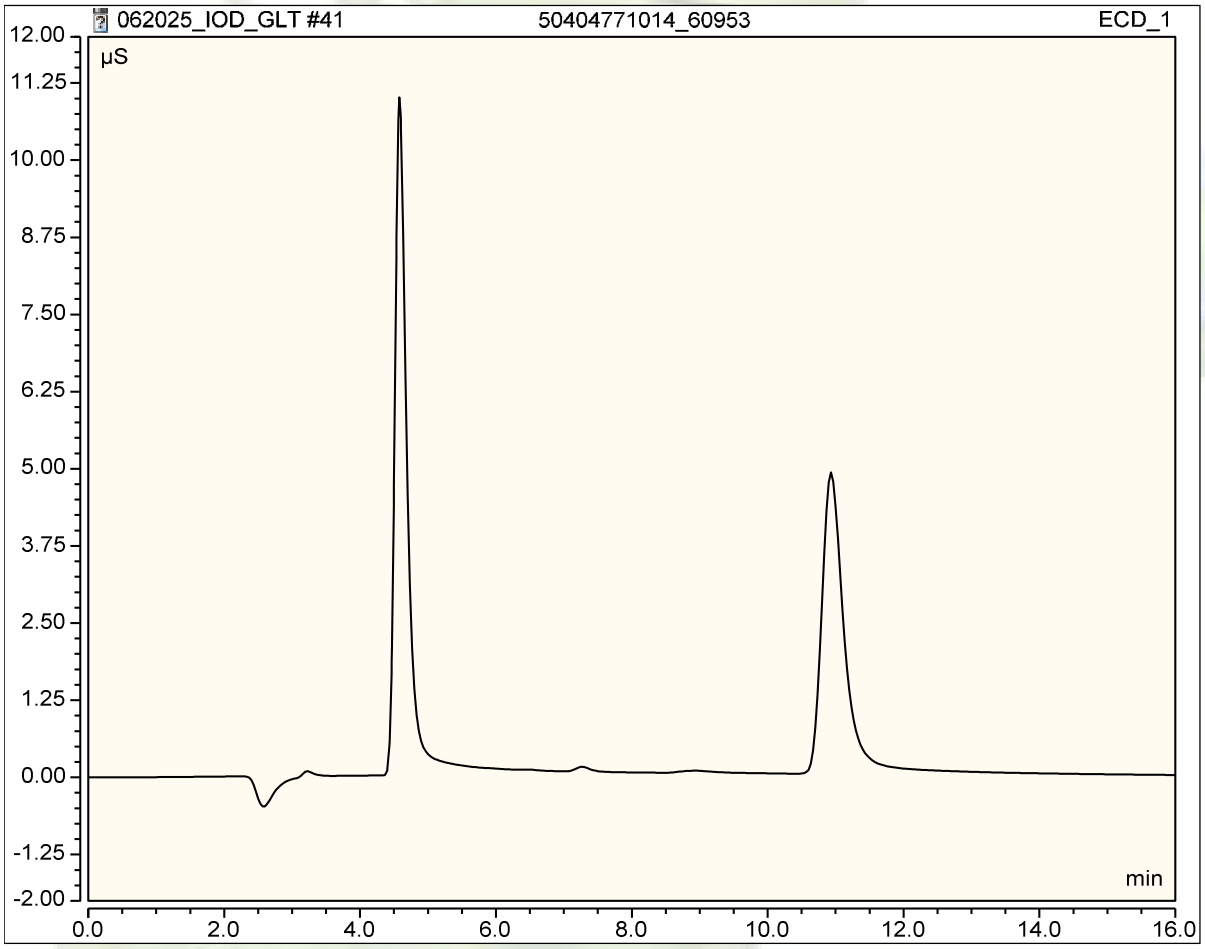
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.20	**Iodide**	4.9439	0.160	0.327	BMB



50404771014_60953

Sample Name:	**50404771014_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B′ #	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro″ram:	**#IC%&′**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&′ l′ ($%	′ ilution 0actor	**1.0000**
1 ecor- in″ Time:	**06/21/2025 07:21**	Sample 2 ei″ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

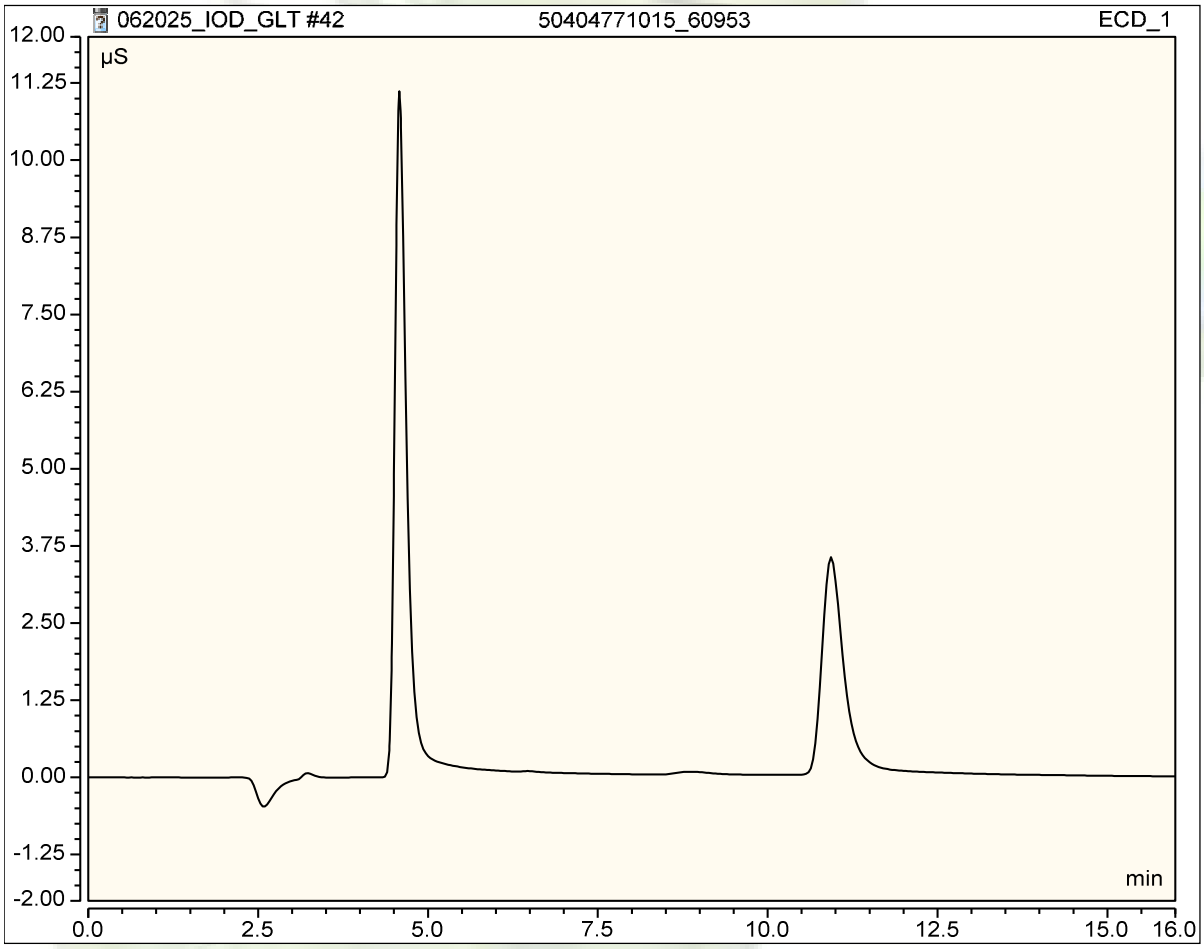
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771015_60953

Sample Name:	**50404771015_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B' 4	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	#IC%&'	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 07:40**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	34-$$	Sy5tem Name:	**50IC04**

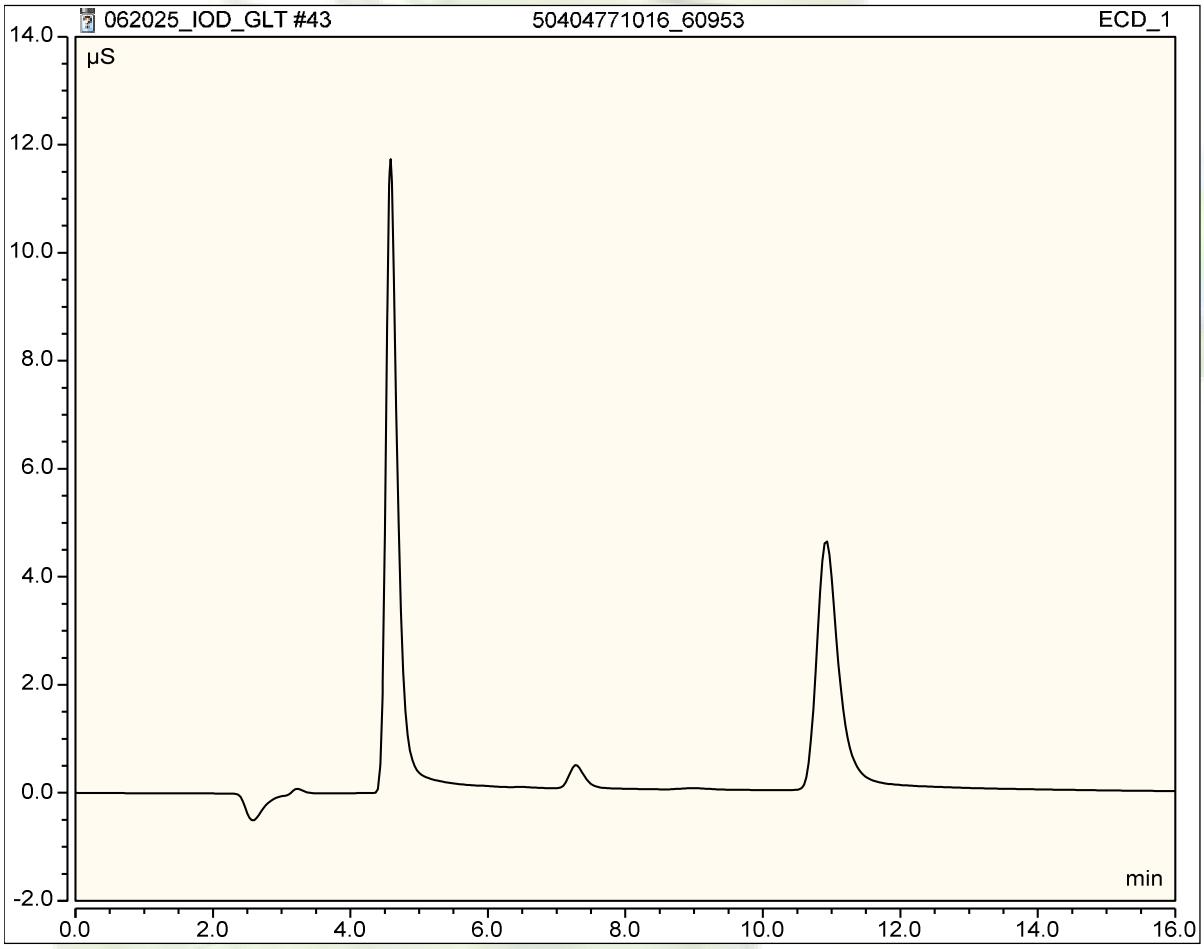
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771016_60953

Sample Name:	**50404771016_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B′ **7**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro″ram:	**#IC%&′**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&′ l′ **($%**	′ ilution **0**actor	**1.0000**
1 ecor- in″ Time:	**06/21/2025 08:00**	Sample **2** ei″ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

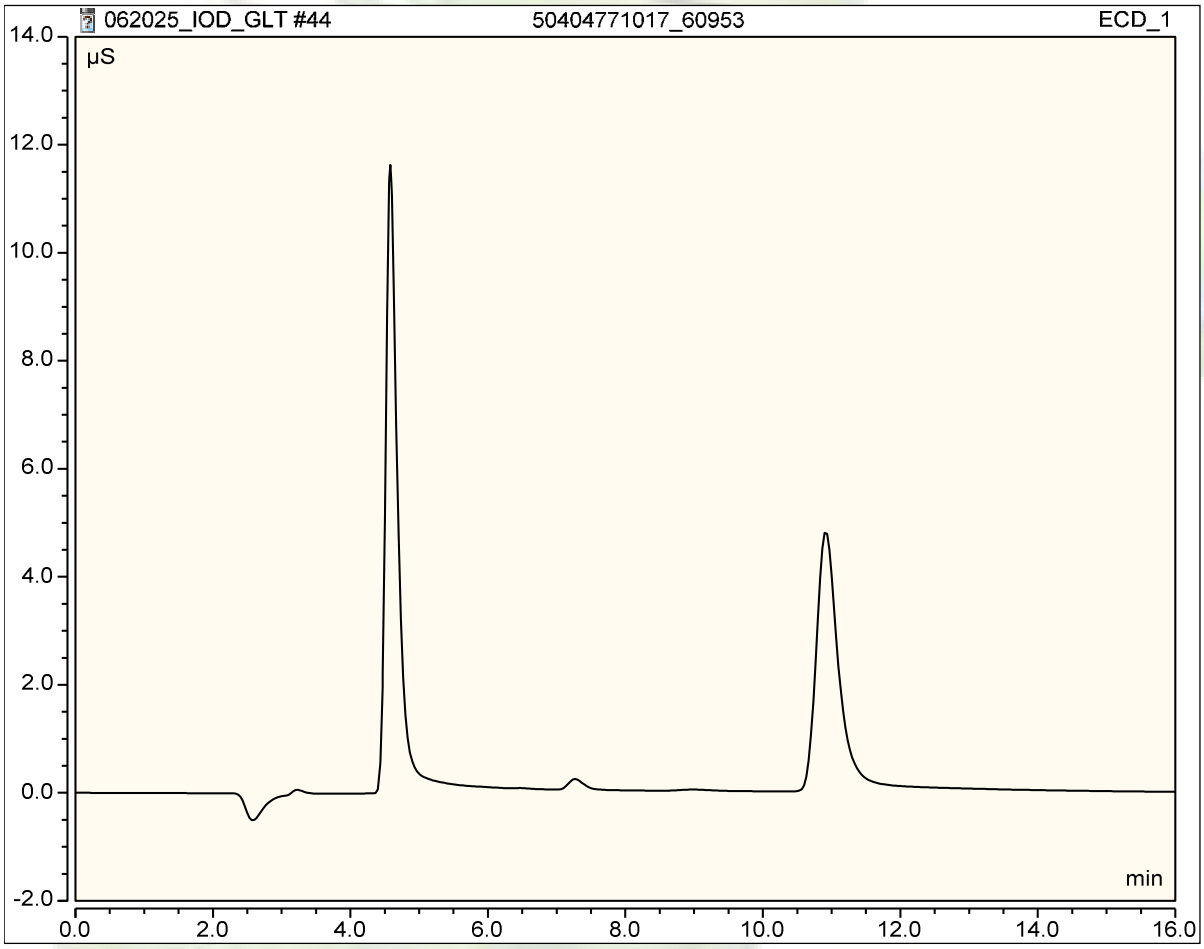
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771017_60953

Sample Name:	**50404771017_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B' 8	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 08:19**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

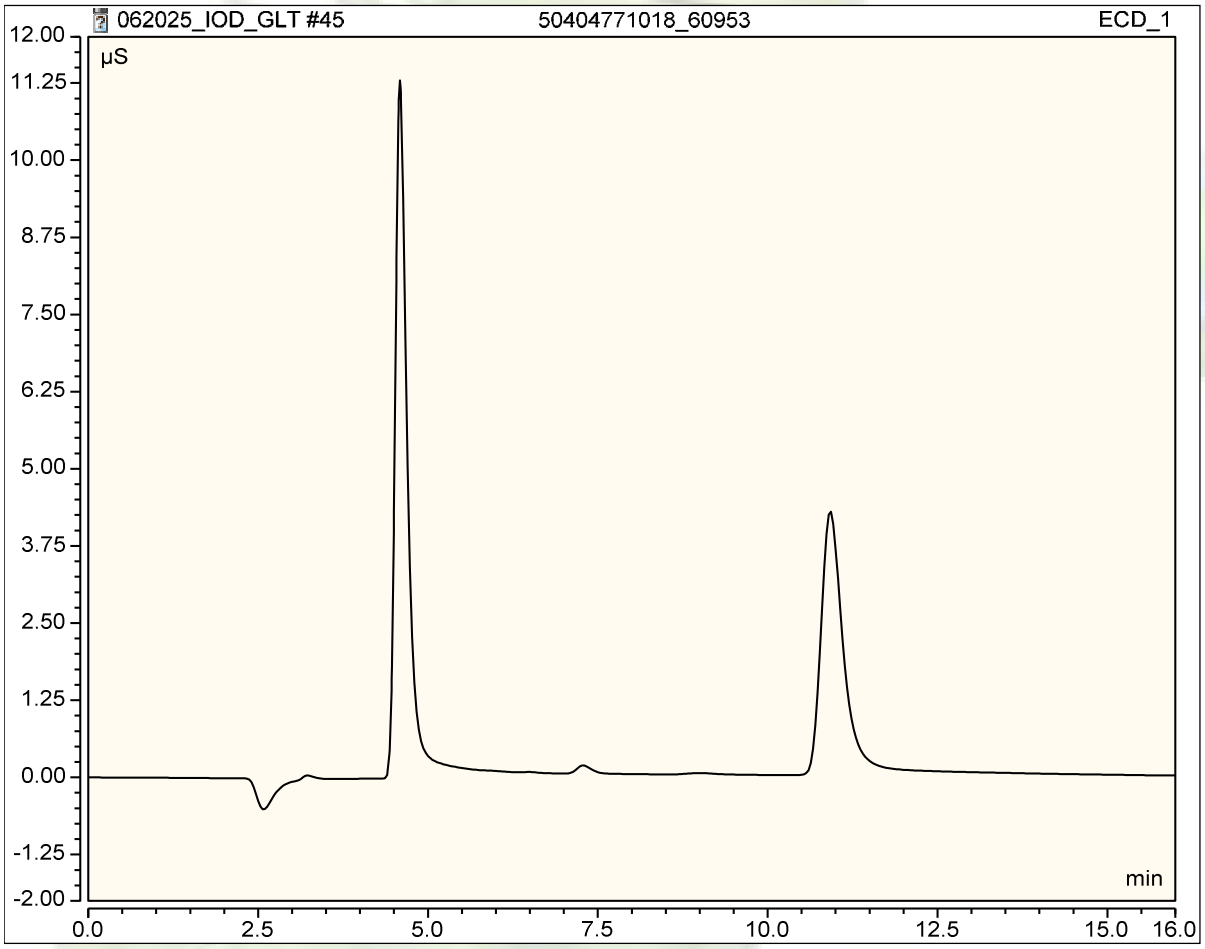
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771018_60953

Sample Name:	**50404771018_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B**(3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**' ($%**	**'** ilution **0**actor	**1.0000**
1ecor**-** in**"** Time:	**06/21/2025 08:38**	Sample **2** ei**"**ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

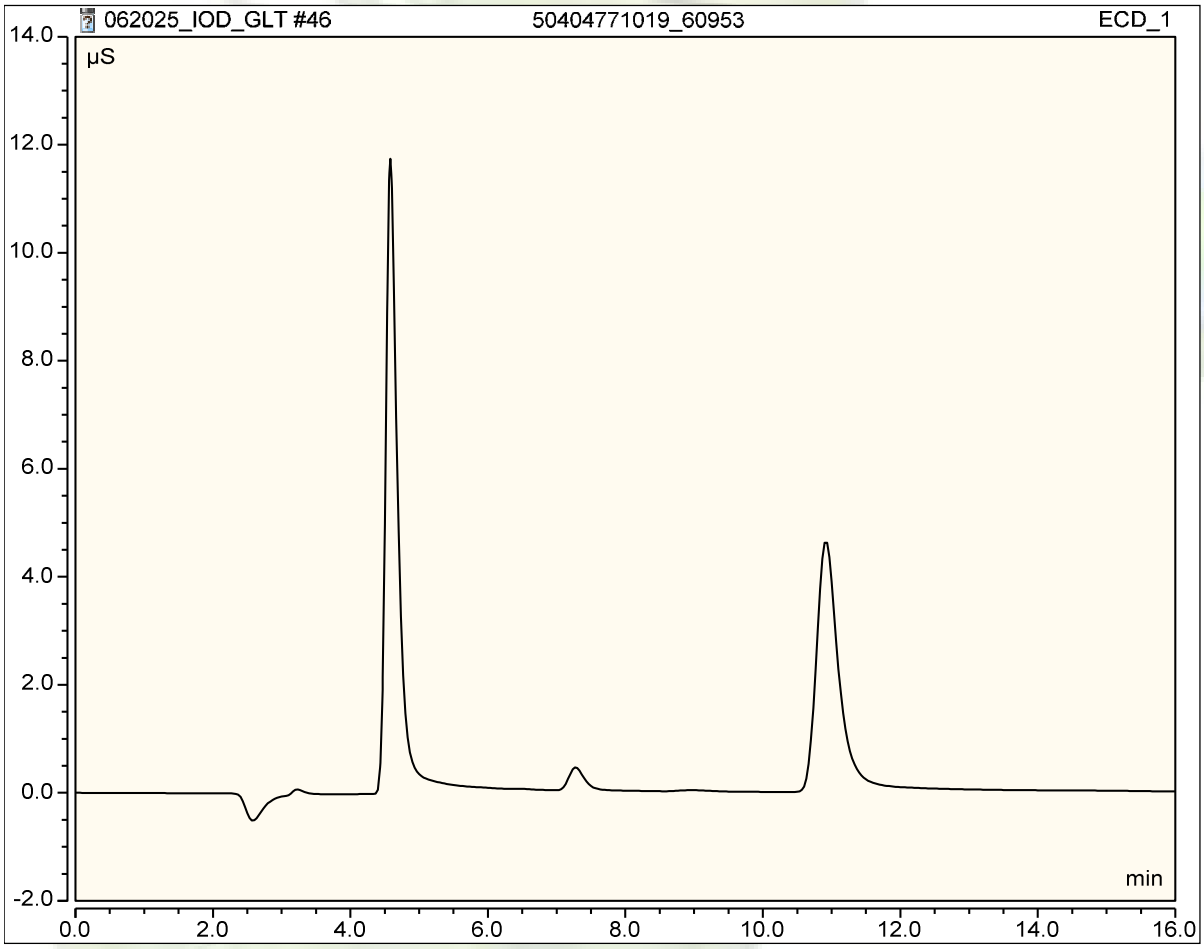
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50404771019_60953

Sample Name:	**50404771019_60953**	Injection Volume (uL):	**25.00**
Vial Number:	B(2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 08:58**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

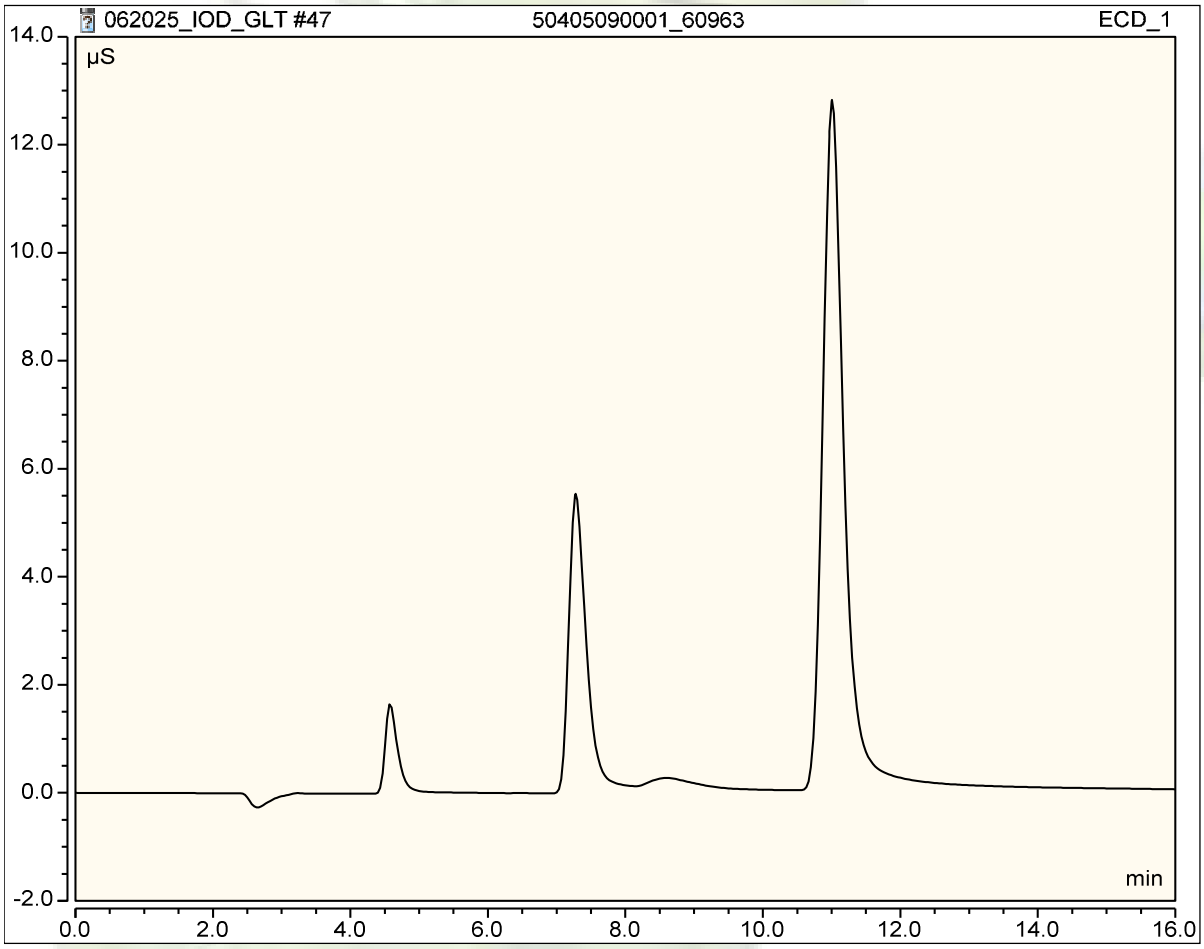
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405090001_60963

Sample Name:	**50405090001_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B**(6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti***+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 09:17**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

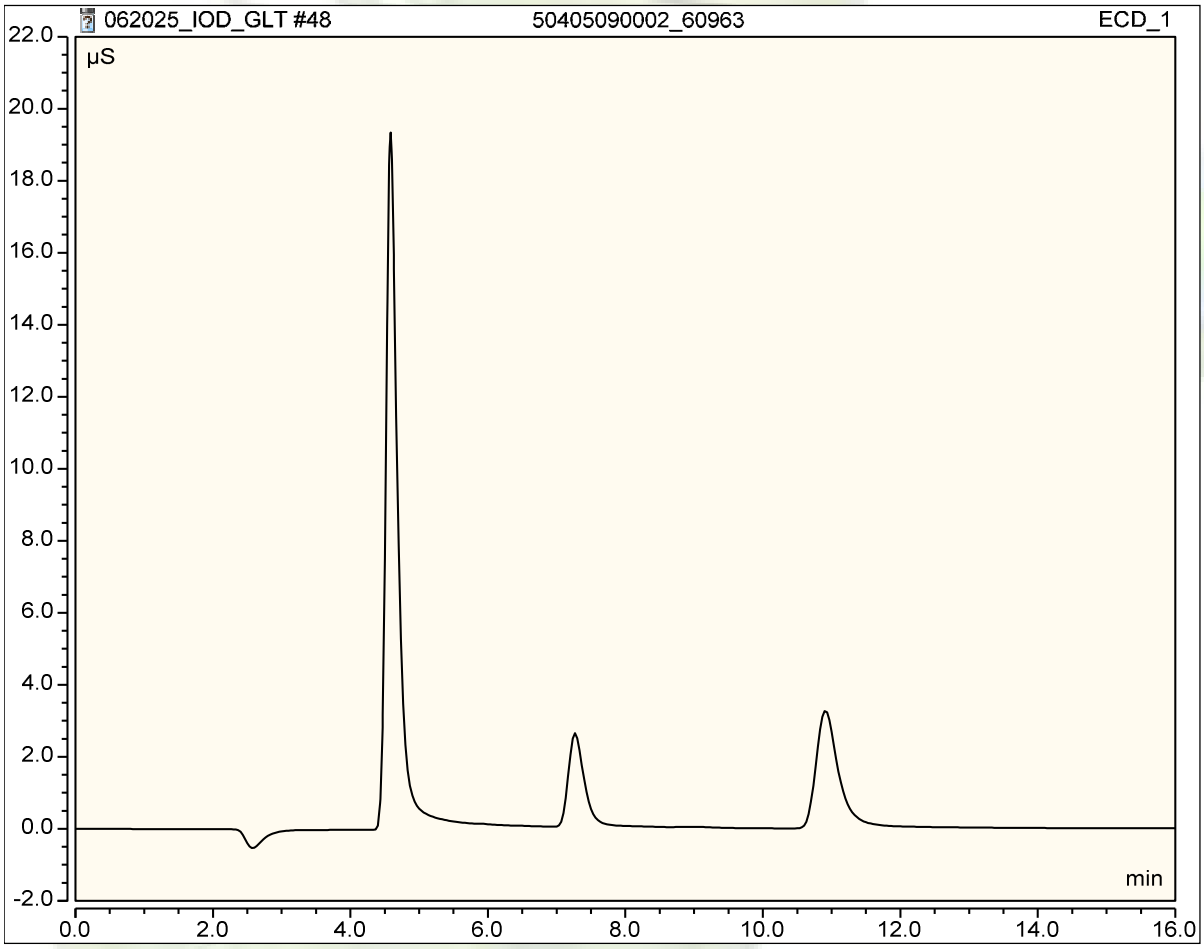
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405090002_60963

Sample Name:	**50405090002_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B(%	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	#IC%&'	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 09:36**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	34-$$	Sy5tem Name:	**50IC04**

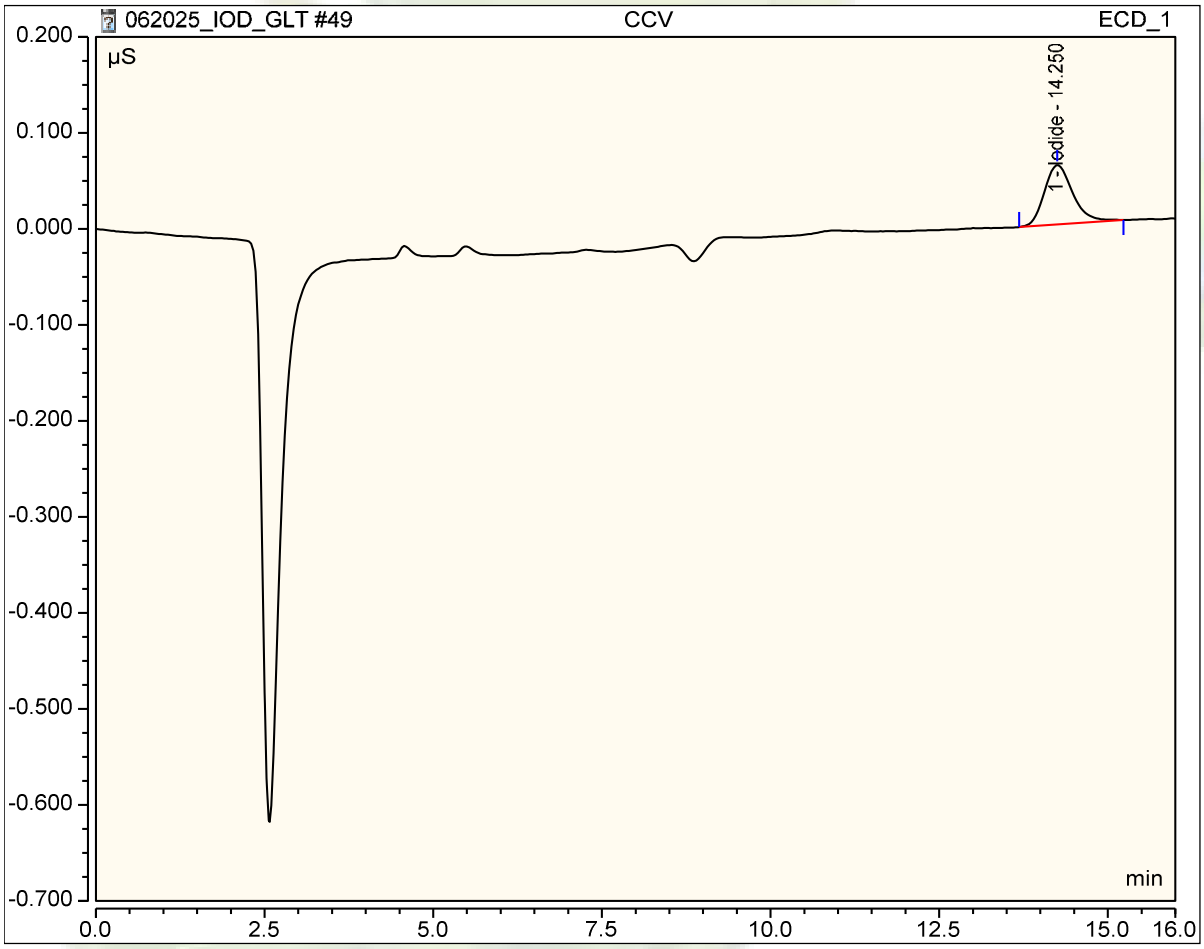
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 09:55**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

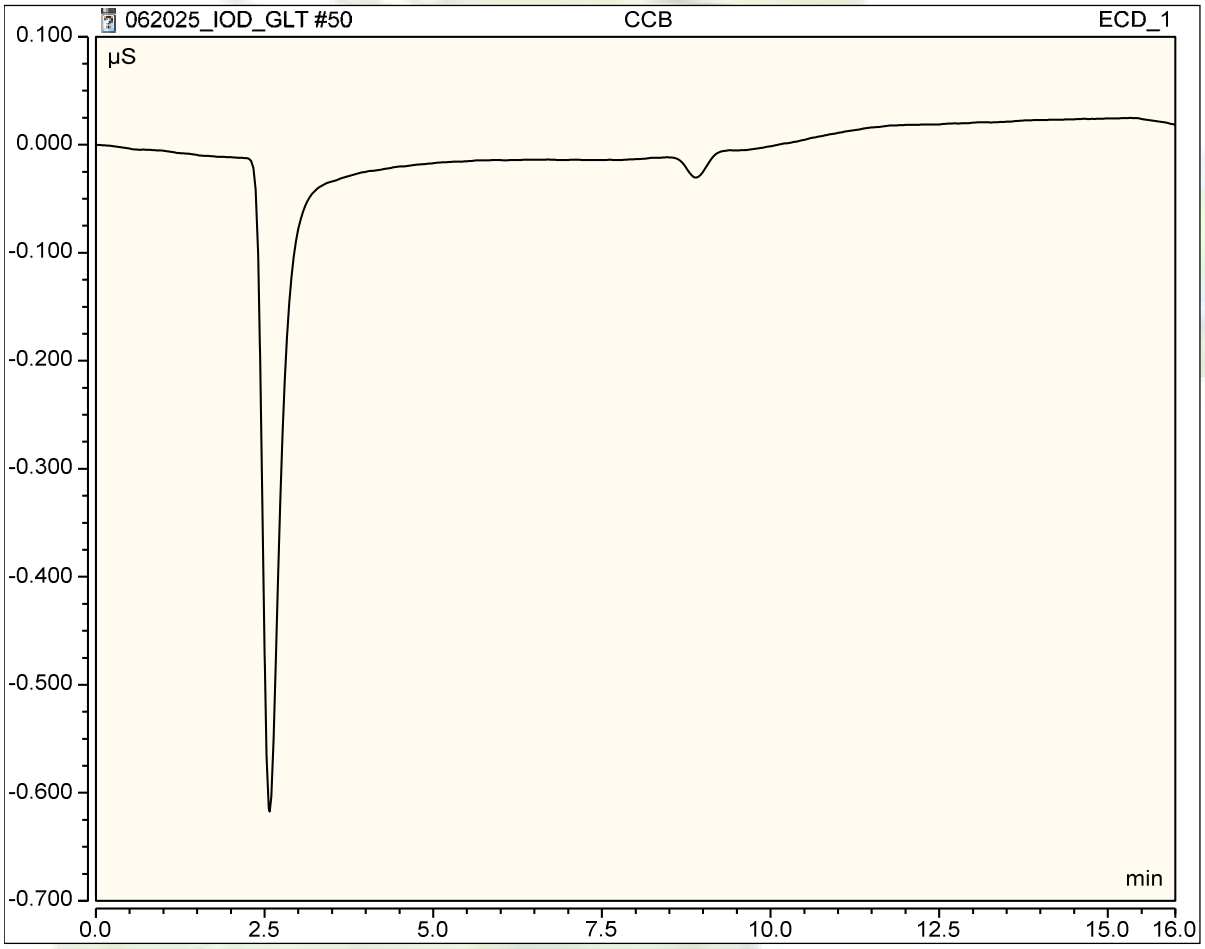
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.25	**Iodide**	0.9633	0.030	0.062	BMB



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 10:15**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

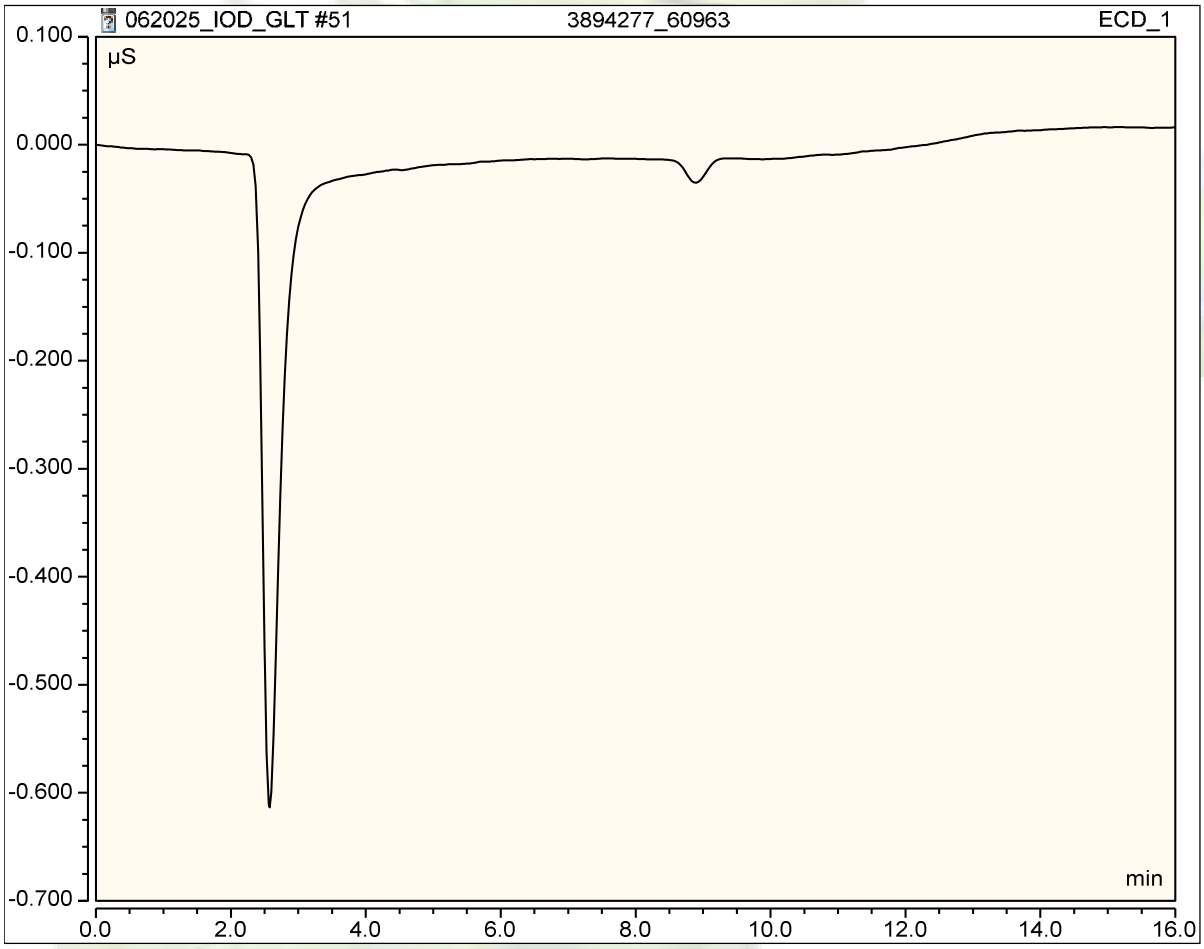
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3894277_60963
340111

Sample Name:	**3894277_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 10:34**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

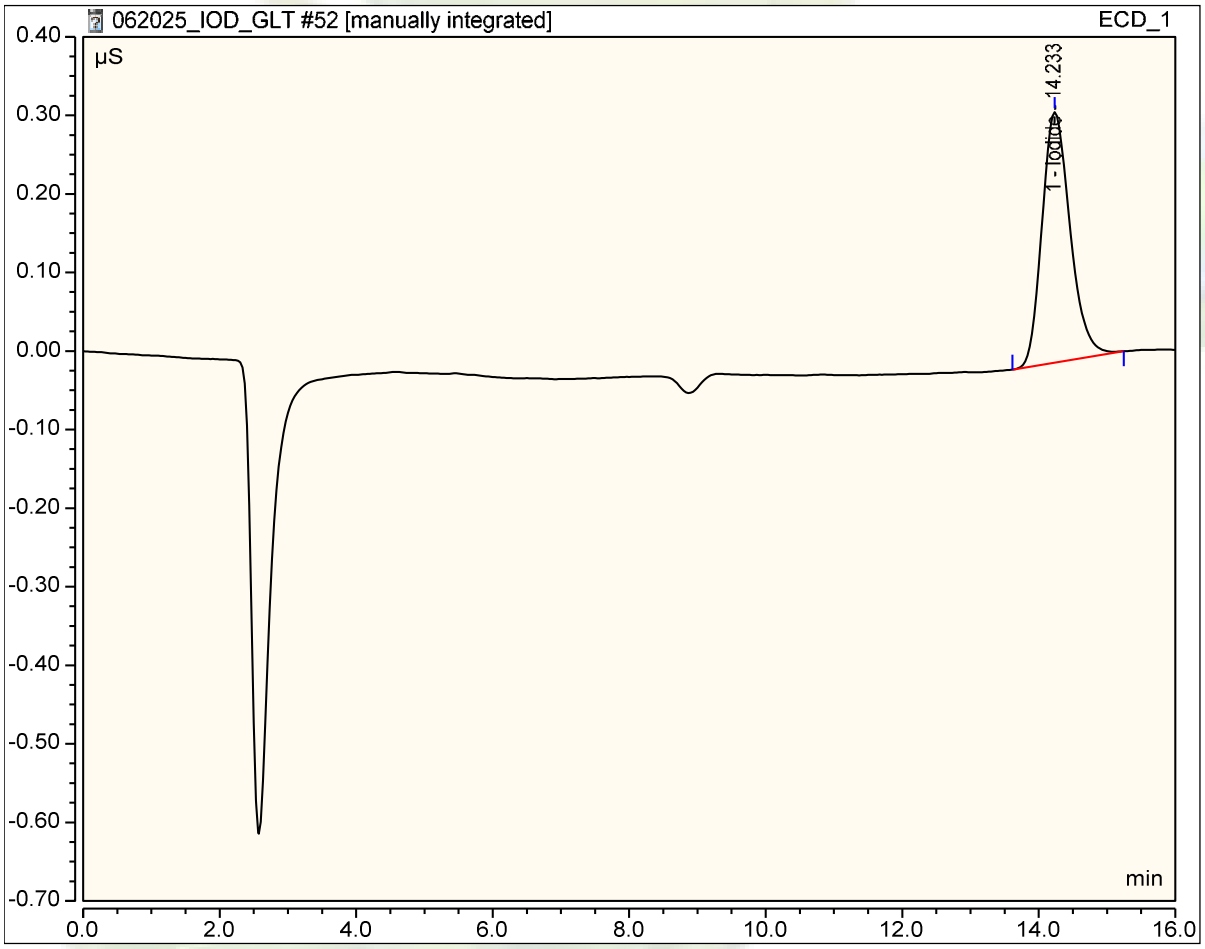
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3894278_60963
377680

Sample Name:	**3894278_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B**6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1ecor- in" Time:	**06/21/2025 10:53**	Sample **2** ei"ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

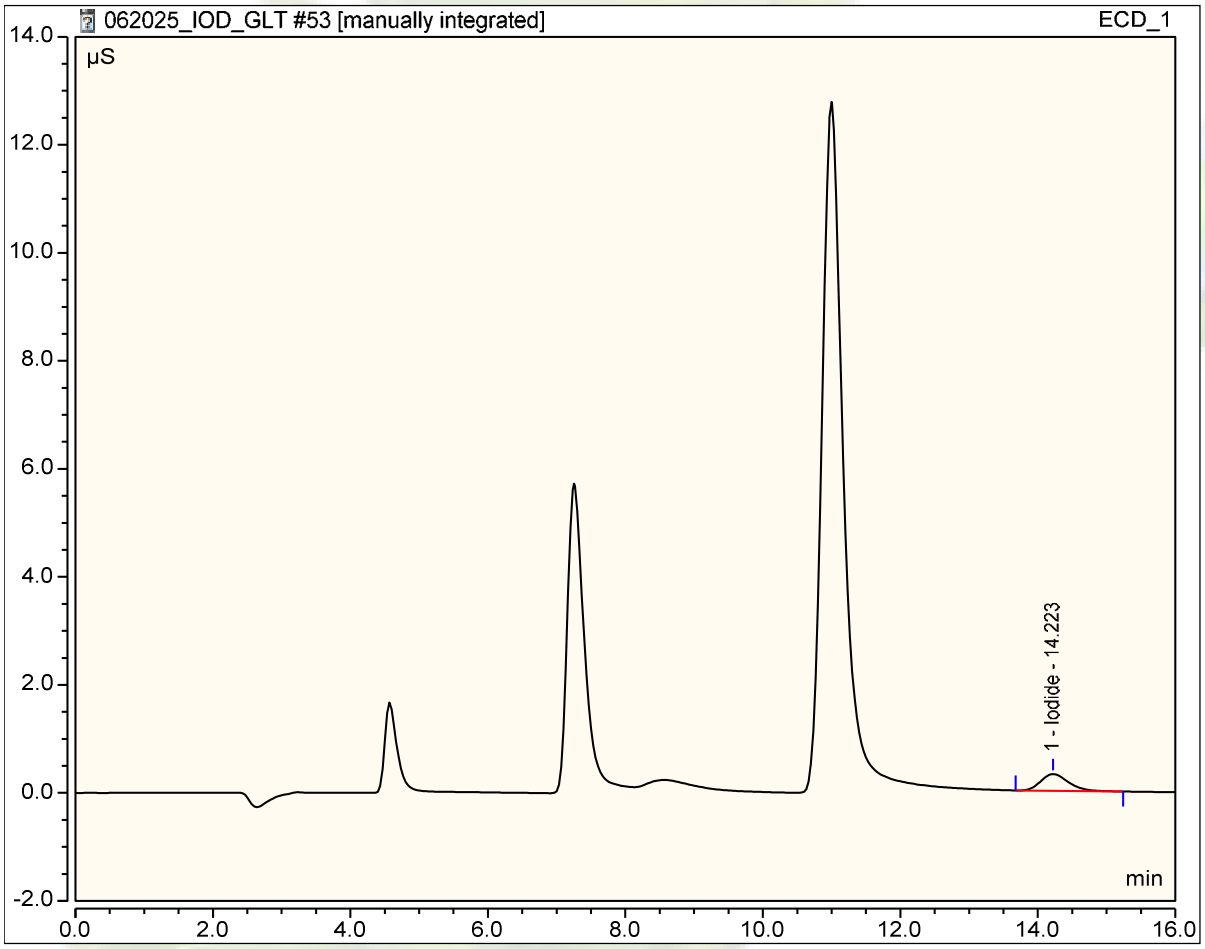
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.23	**Iodide**	4.6921	0.152	0.319	BMB*



3894279_60963
377680

Sample Name:	**3894279_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B(#	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 11:12**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

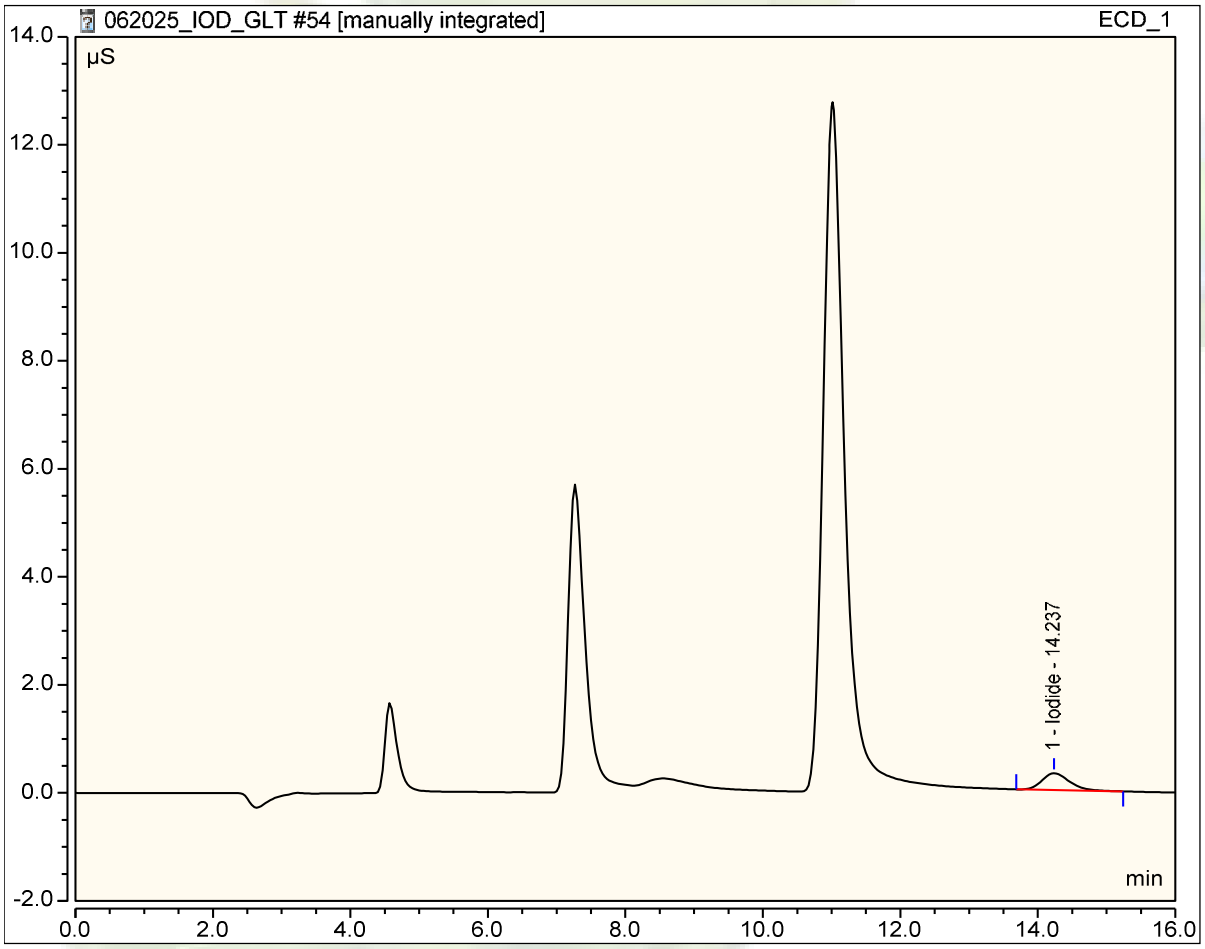
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.22	**Iodide**	4.4787	0.145	0.310	BMB*



3894280_60963
377680

Sample Name:	**3894280_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B**(4**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti***+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 11:32**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

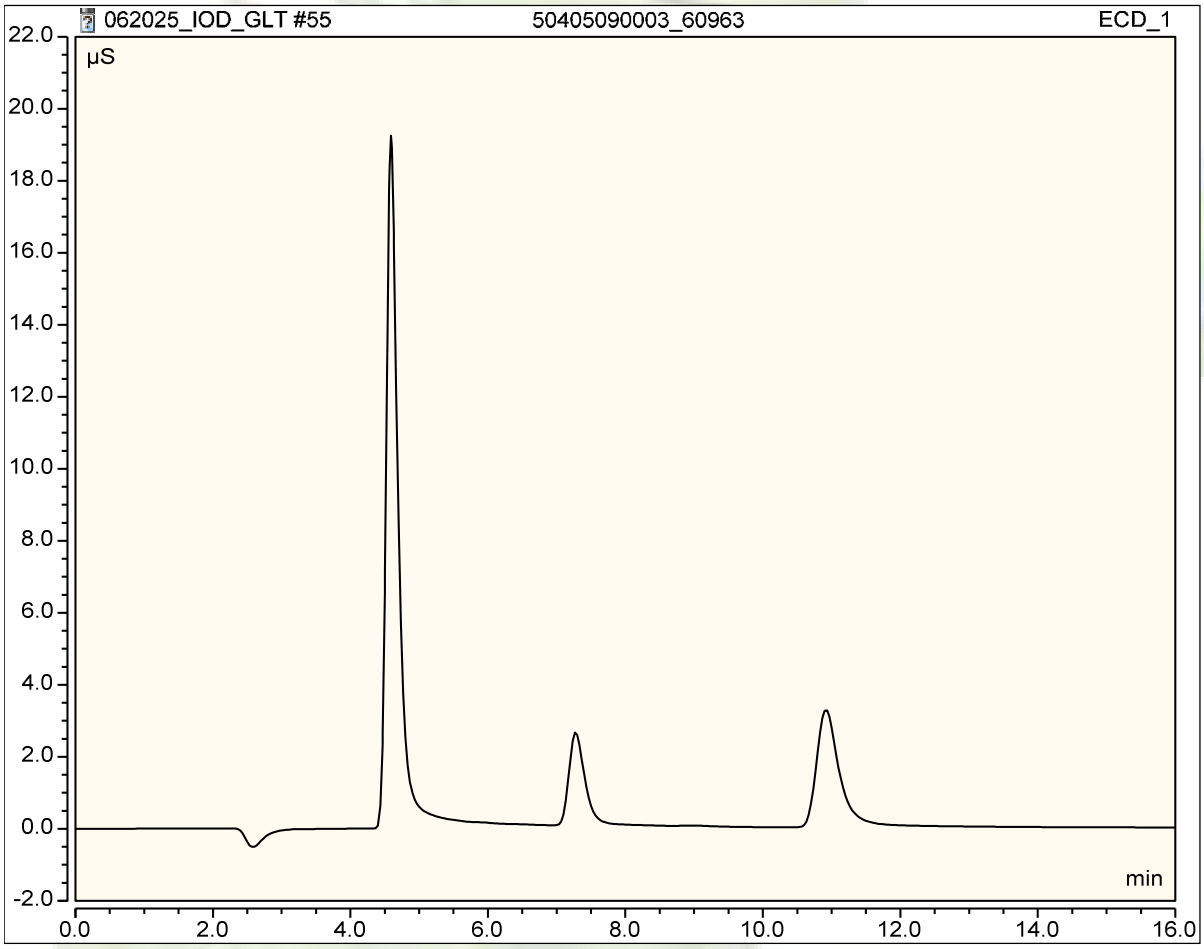
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.24	**Iodide**	4.4924	0.145	0.311	BMB*



50405090003_60963

Sample Name:	**50405090003_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B**(7**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti***+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 11:51**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

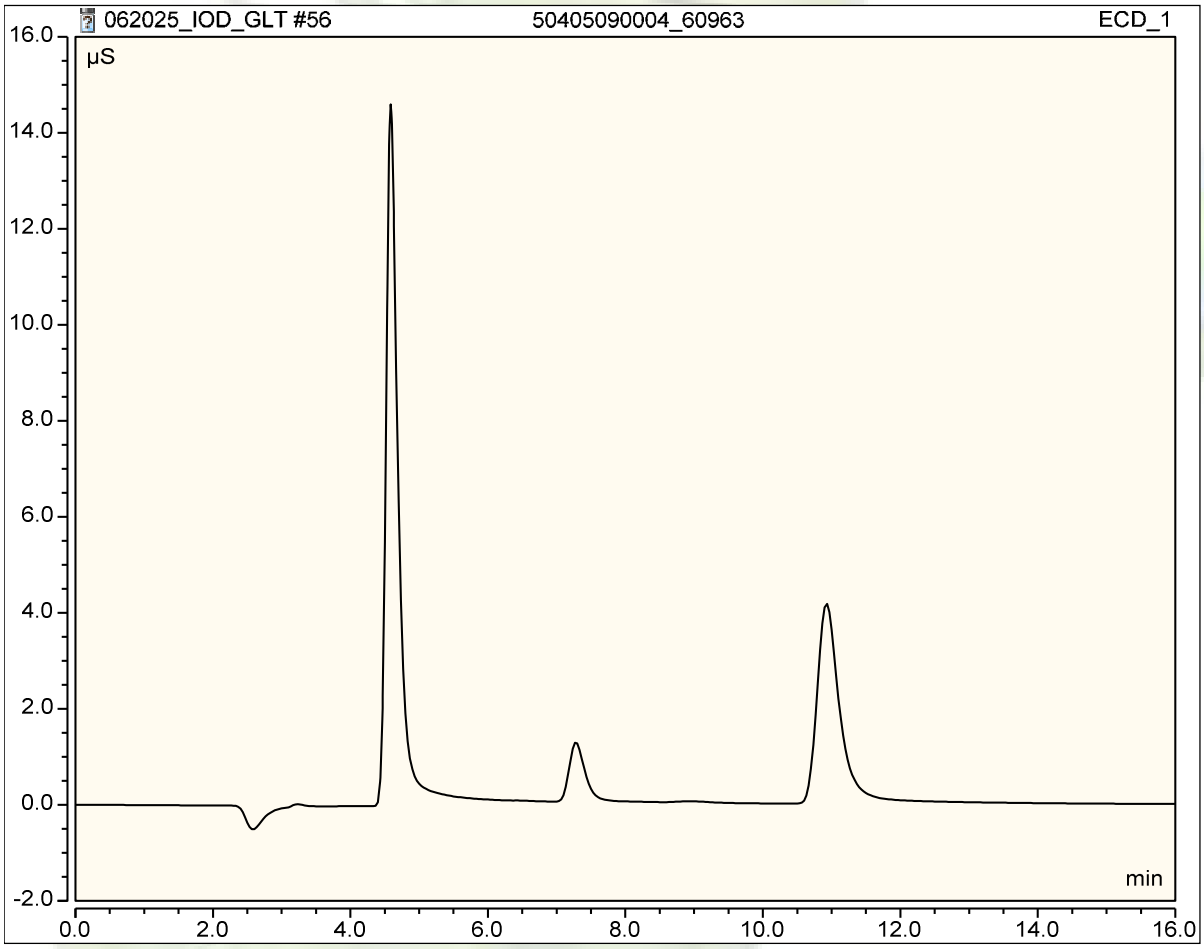
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405090004_60963

Sample Name:	**50405090004_60963**	Injection Volume (uL):	**25.00**
Vial Number:	B**(8**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L/ l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 12:10**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

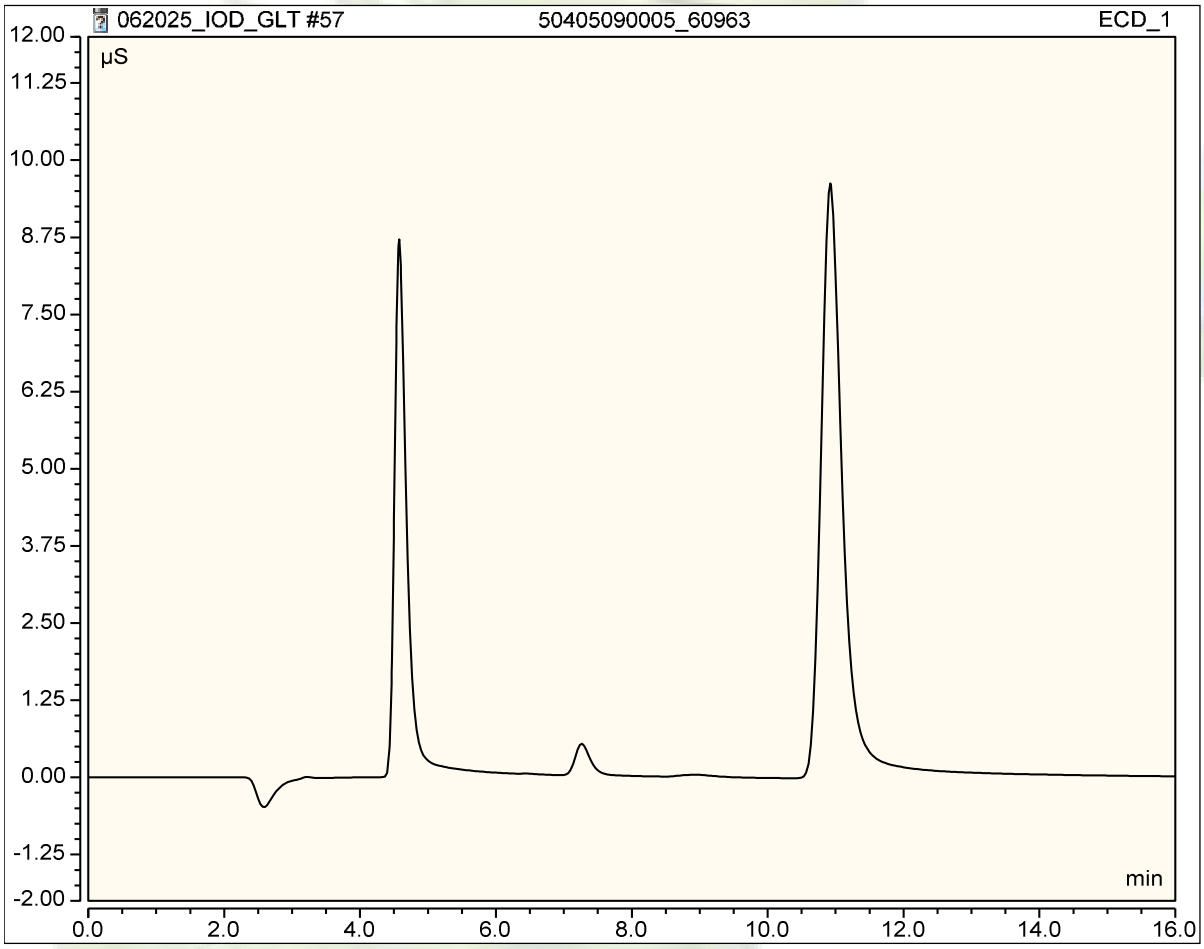
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405090005_60963

Sample Name:	**50405090005_60963**	Injection Volume (uL):	**25.00**
Vial Number:	**1 . 3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 12:30**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

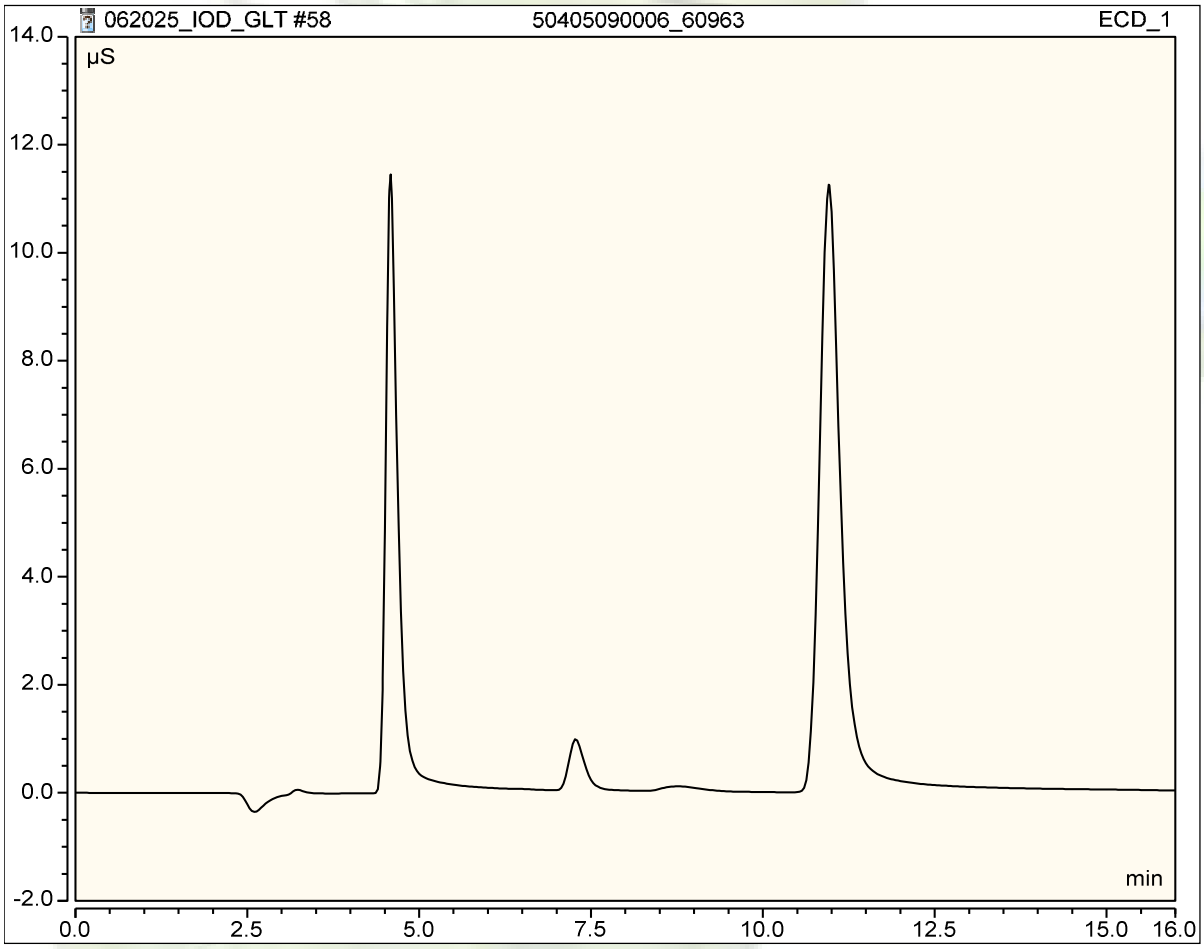
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405090006_60963

Sample Name:	**50405090006_60963**	Injection Volume (uL):	**25.00**
Vial Number:	**1.** 2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 12:49**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

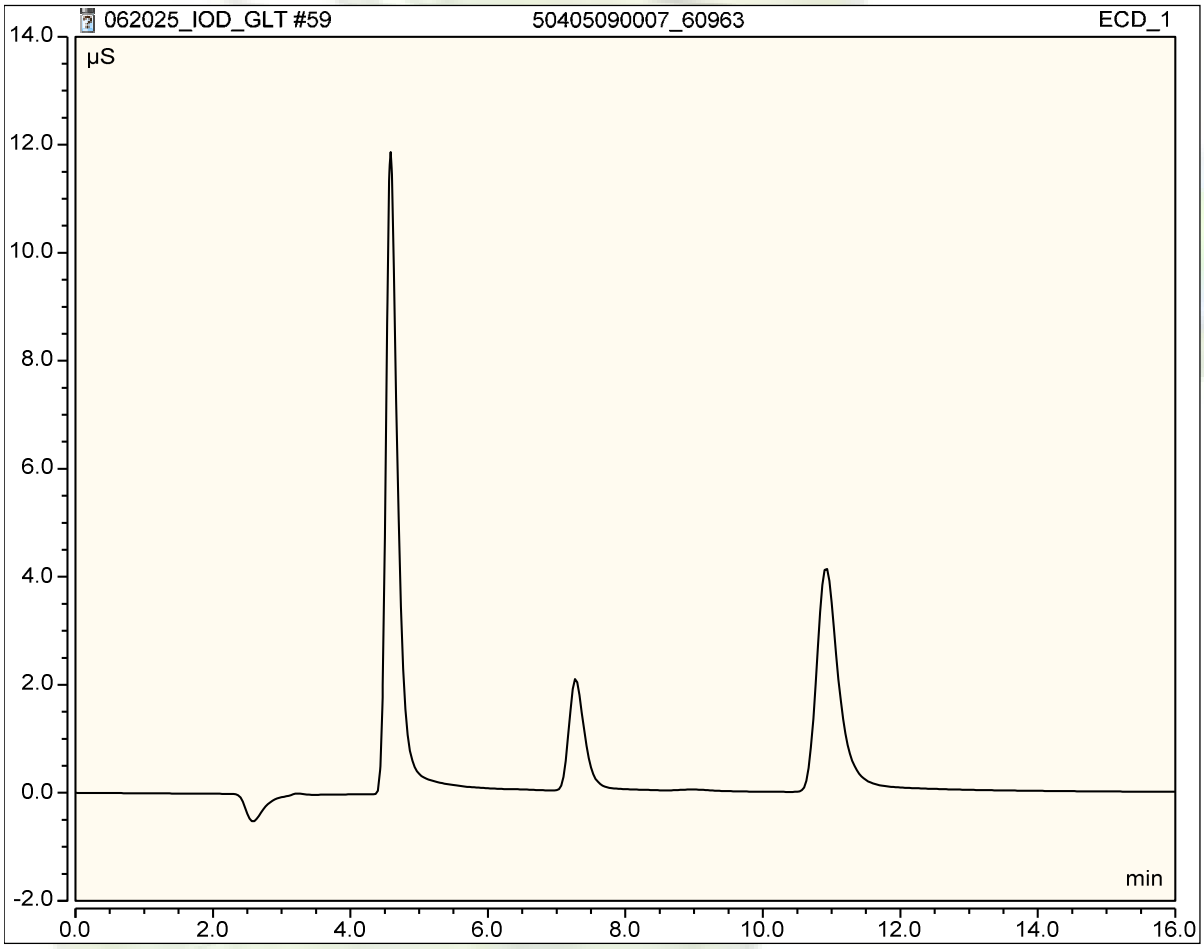
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405090007_60963

Sample Name:	**50405090007_60963**	Injection Volume (uL):	**25.00**
Vial Number:	**1 . 6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 13:08**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

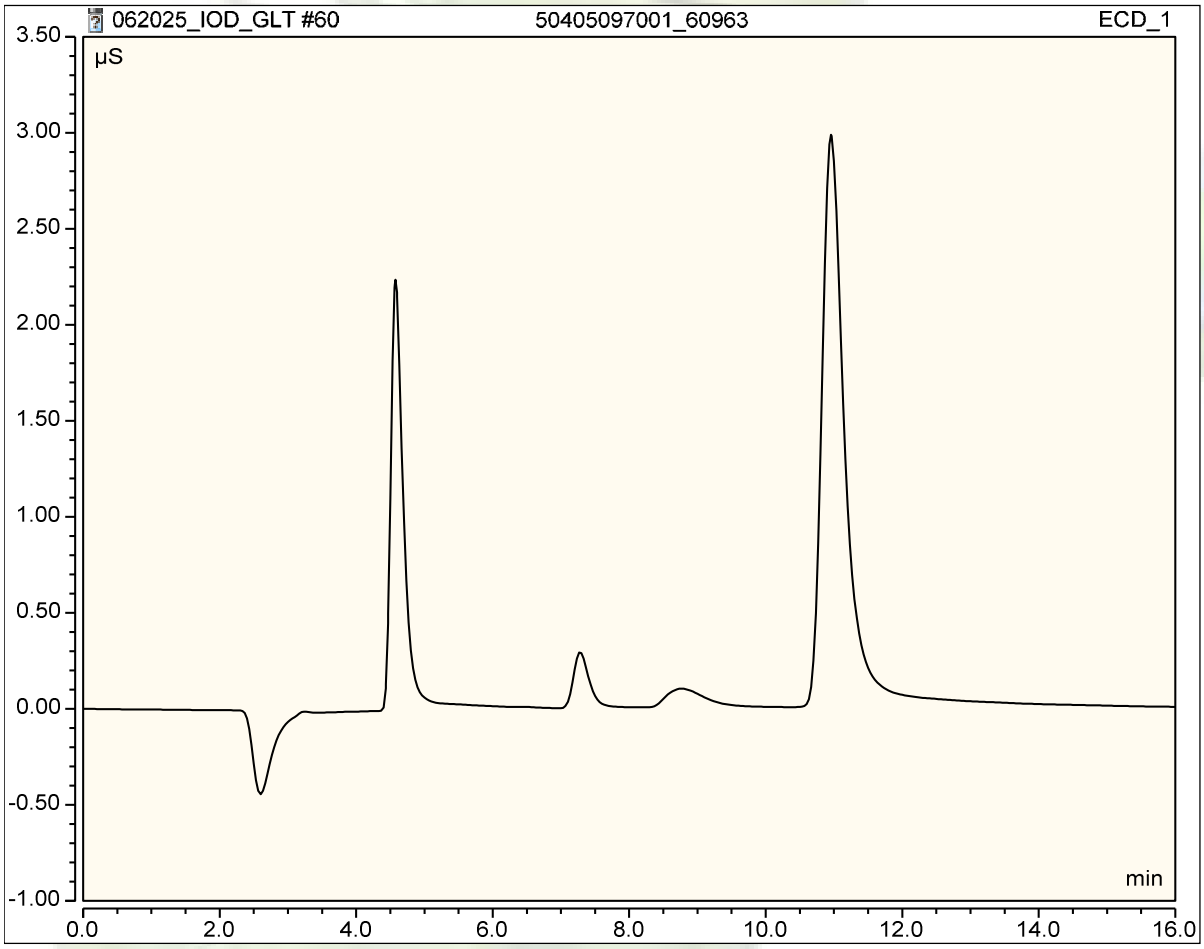
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405097001_60963

Sample Name:	**50405097001_60963**	Injection Volume (uL):	**25.00**
Vial Number:	**1 . %**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 13:27**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

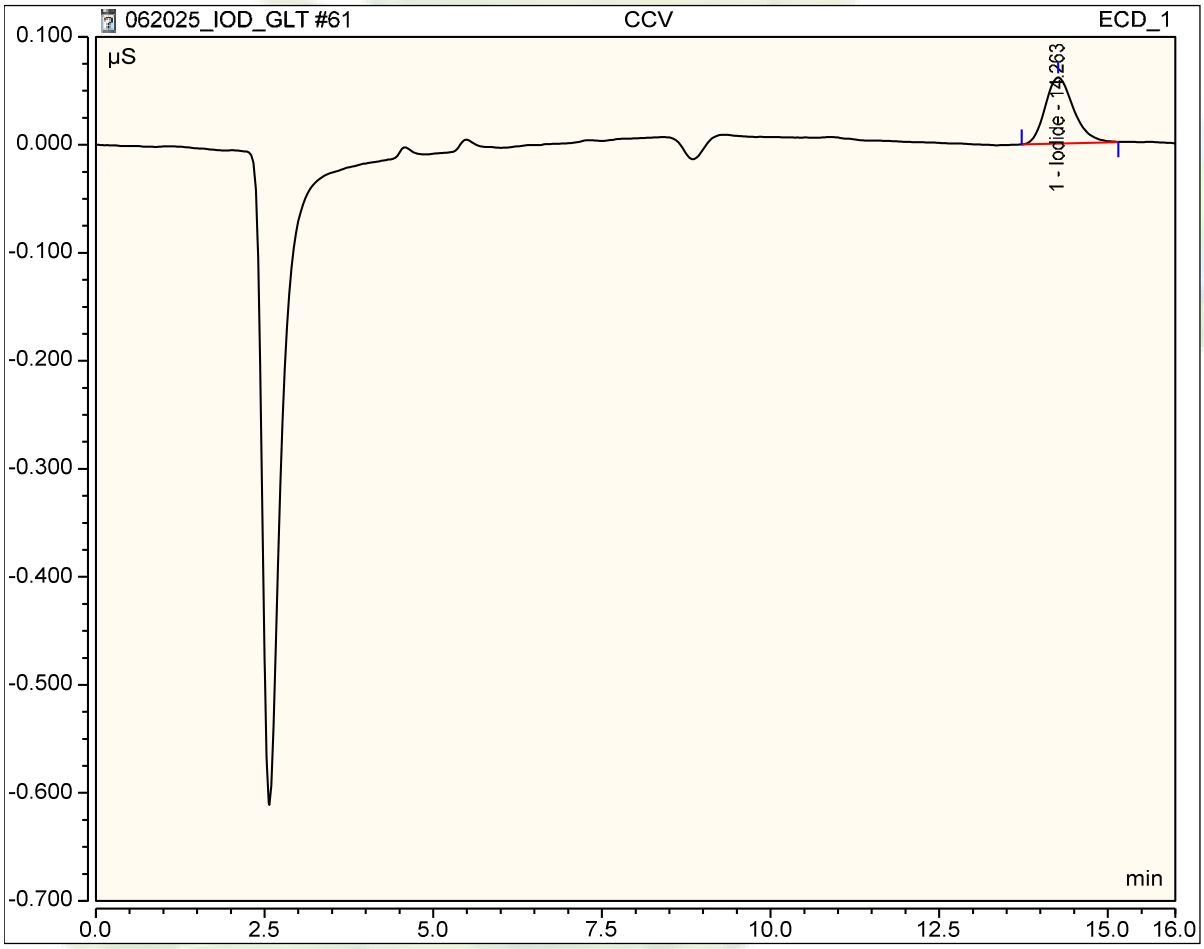
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 13:47**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

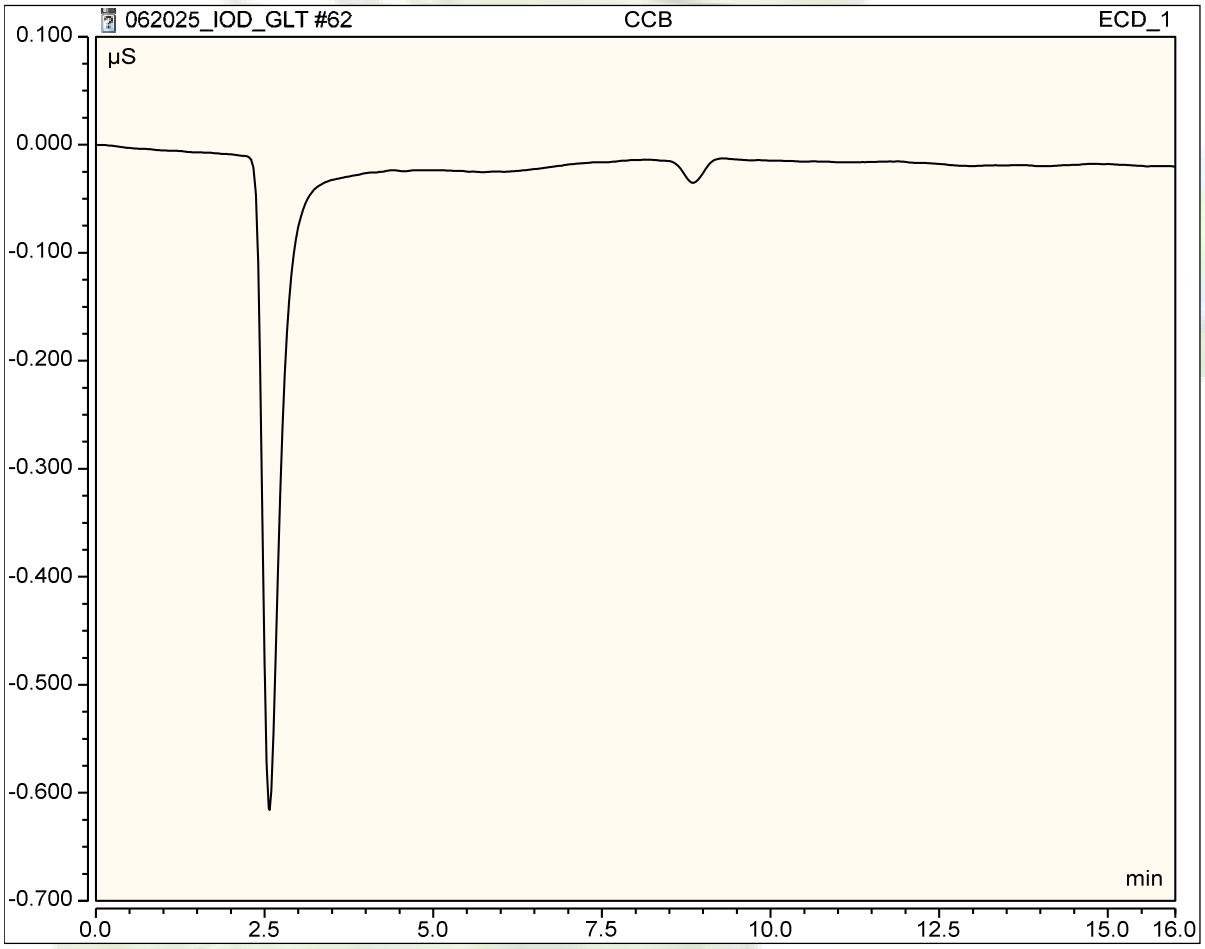
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.26	**Iodide**	0.9579	0.030	0.061	BMB



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 14:06**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

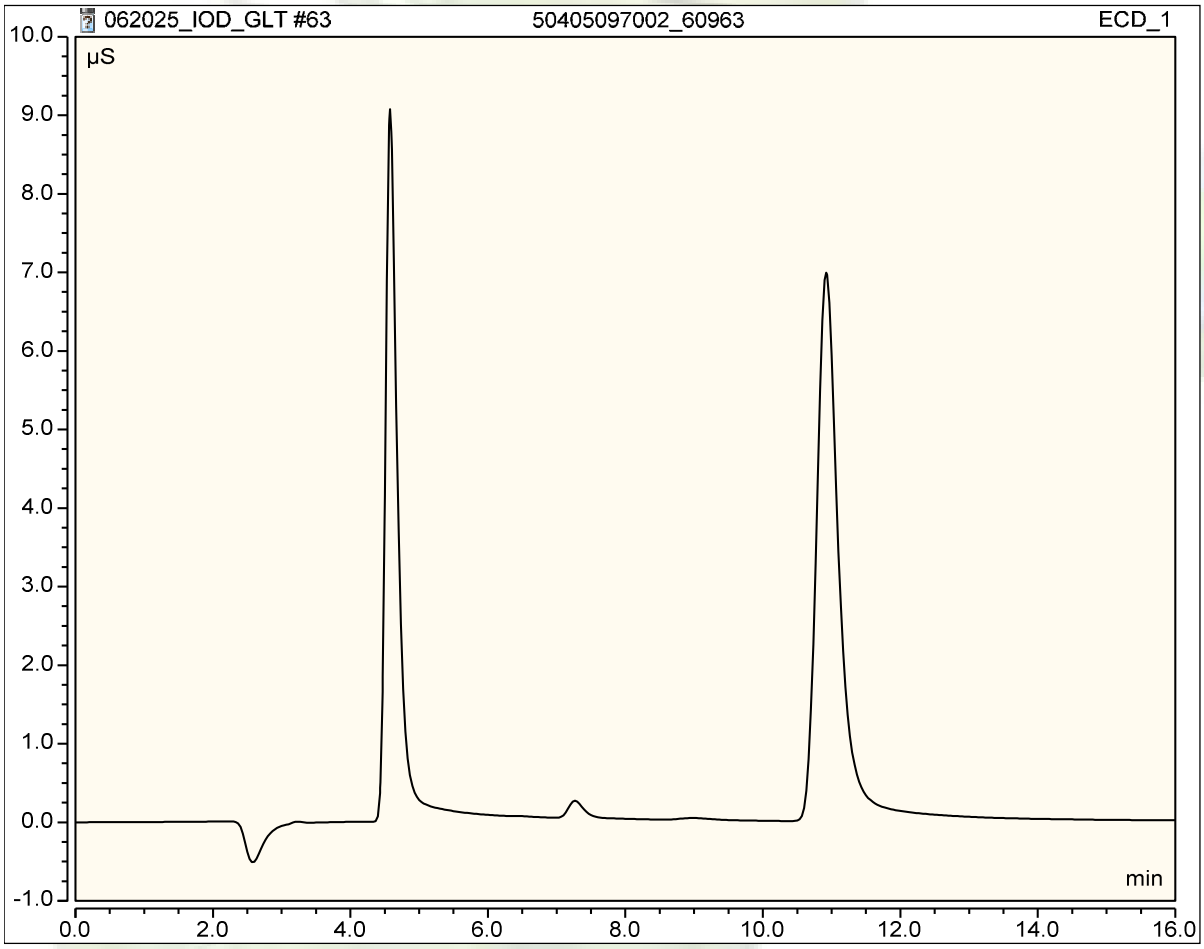
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405097002_60963

Sample Name:	**50405097002_60963**	Injection Volume (uL):	**25.00**
Vial Number:	**1 . #**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 14:25**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

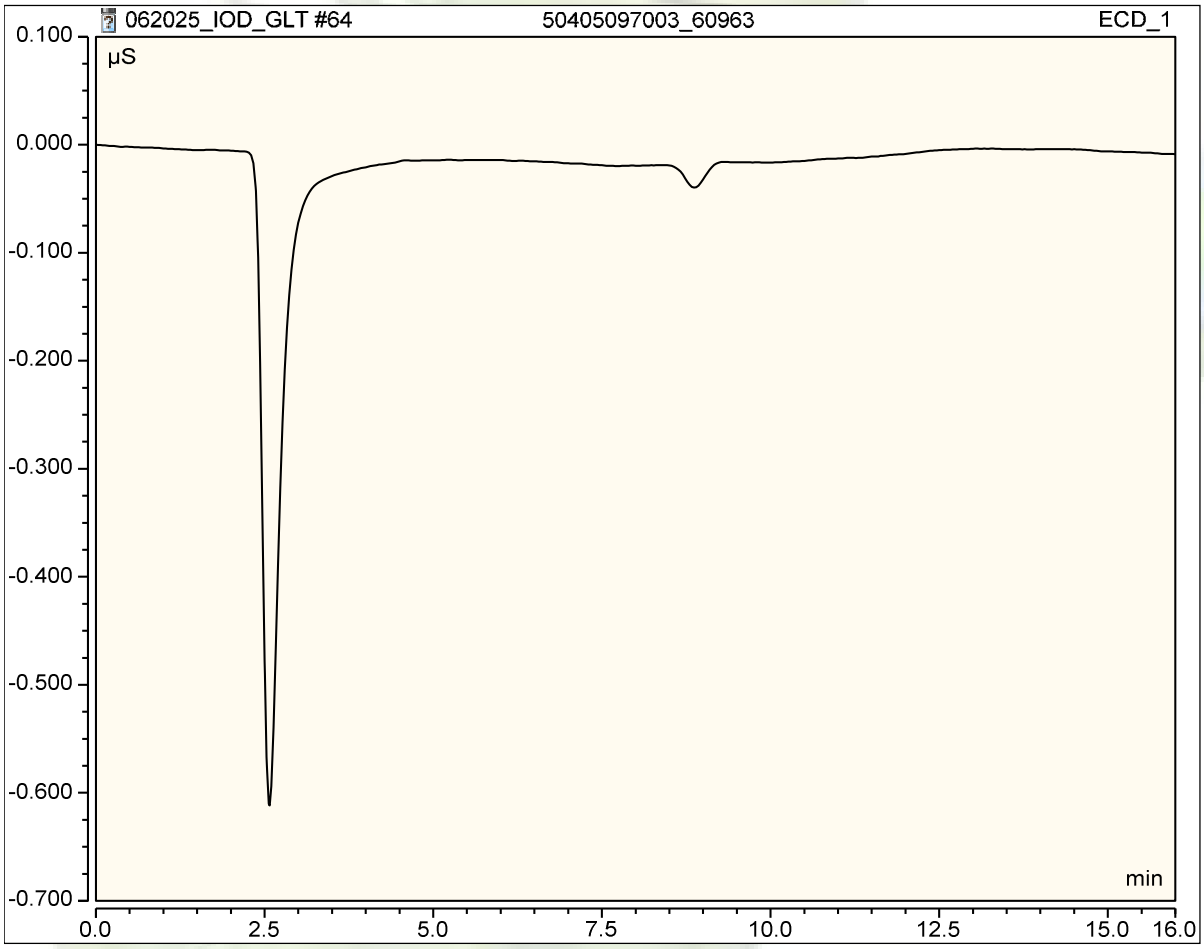
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405097003_60963

Sample Name:	**50405097003_60963**	Injection Volume (uL):	**25.00**
Vial Number:	***1 . 4***	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ***!*** ro**"**ram:	***#$*IC***$%&'***	***(*** luent Stock:	**416359**
) uanti***+,*** etho**-** :	C***.*** L***/*** l***&'*** l**'** ***($%***	**'** ilution ***0***actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 14:45**	Sample ***2*** ei**"**ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy***5***tem Name:	**50IC04**

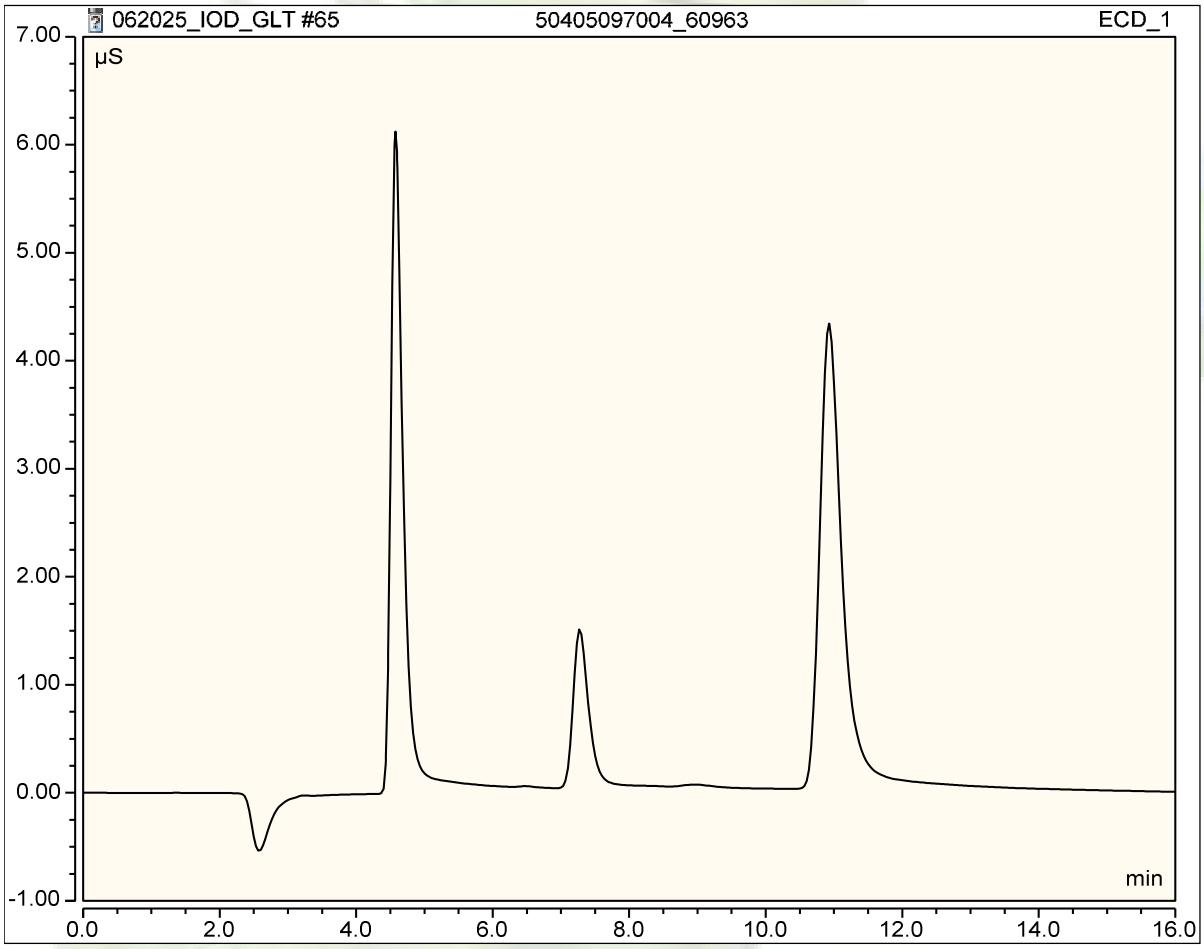
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405097004_60963

Sample Name:	**50405097004_60963**	Injection Volume (uL):	**25.00**
Vial Number:	***1 . 7***	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control *!* ro"ram:	***#$*IC*$%&'***	*(* luent Stock:	**416359**
) uanti*+, etho- :	C*.* L/ l*&'* l' *($%*	*'* ilution *0*actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 15:04**	Sample *2* ei"ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy*5*tem Name:	**50IC04**

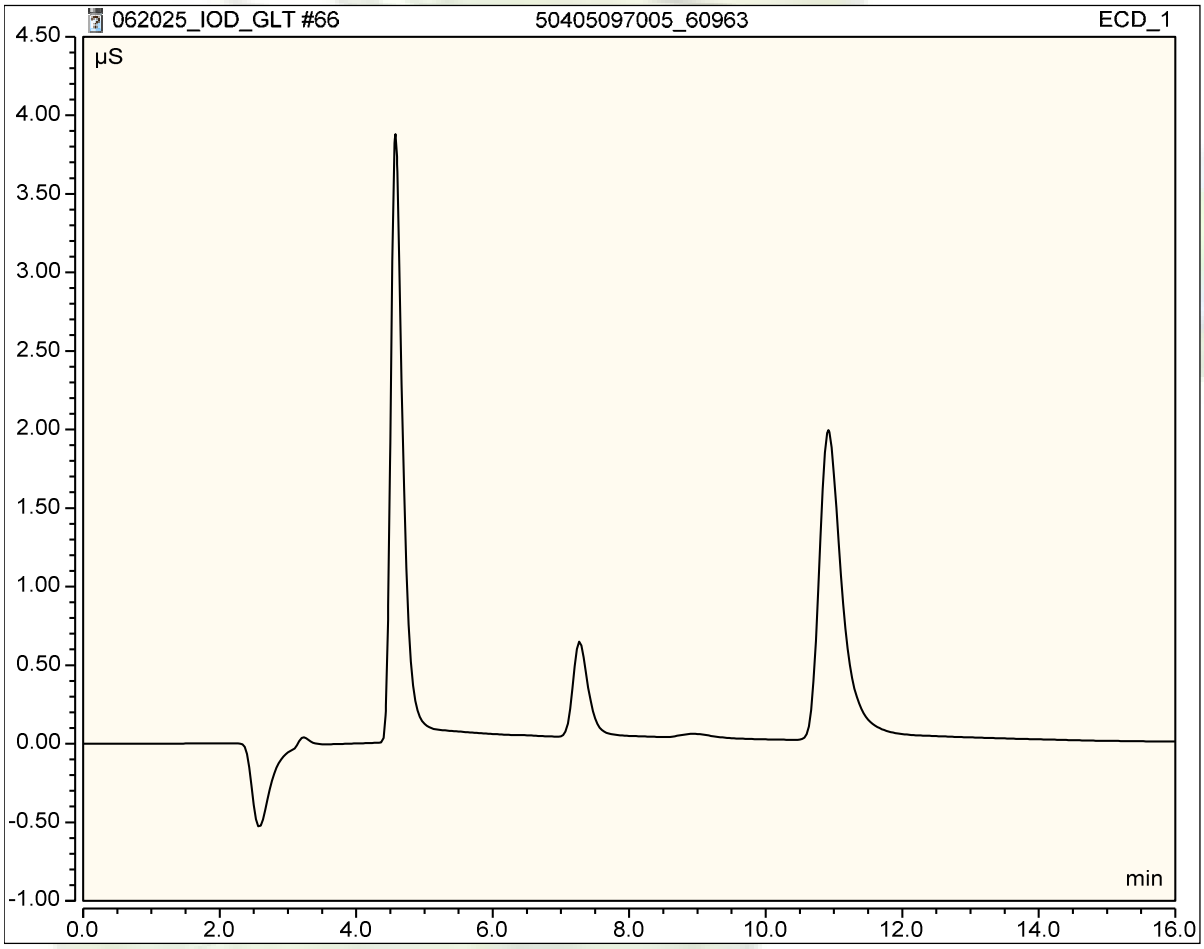
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



50405097005_60963

Sample Name:	**50405097005_60963**	Injection Volume (uL):	**25.00**
Vial Number:	***1 . 8***	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ***!*** ro**"**ram:	***#$*IC***$%&'***	***(*** luent Stock:	**416359**
) uanti***+,*** etho**-** :	C***.*** L***/*** l***&'*** l***'*** ***($%***	***'*** ilution ***0***actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 15:23**	Sample ***2*** ei**"**ht:	**1.0000**
1 un Time (min):	***34-$$***	Sy***5***tem Name:	**50IC04**

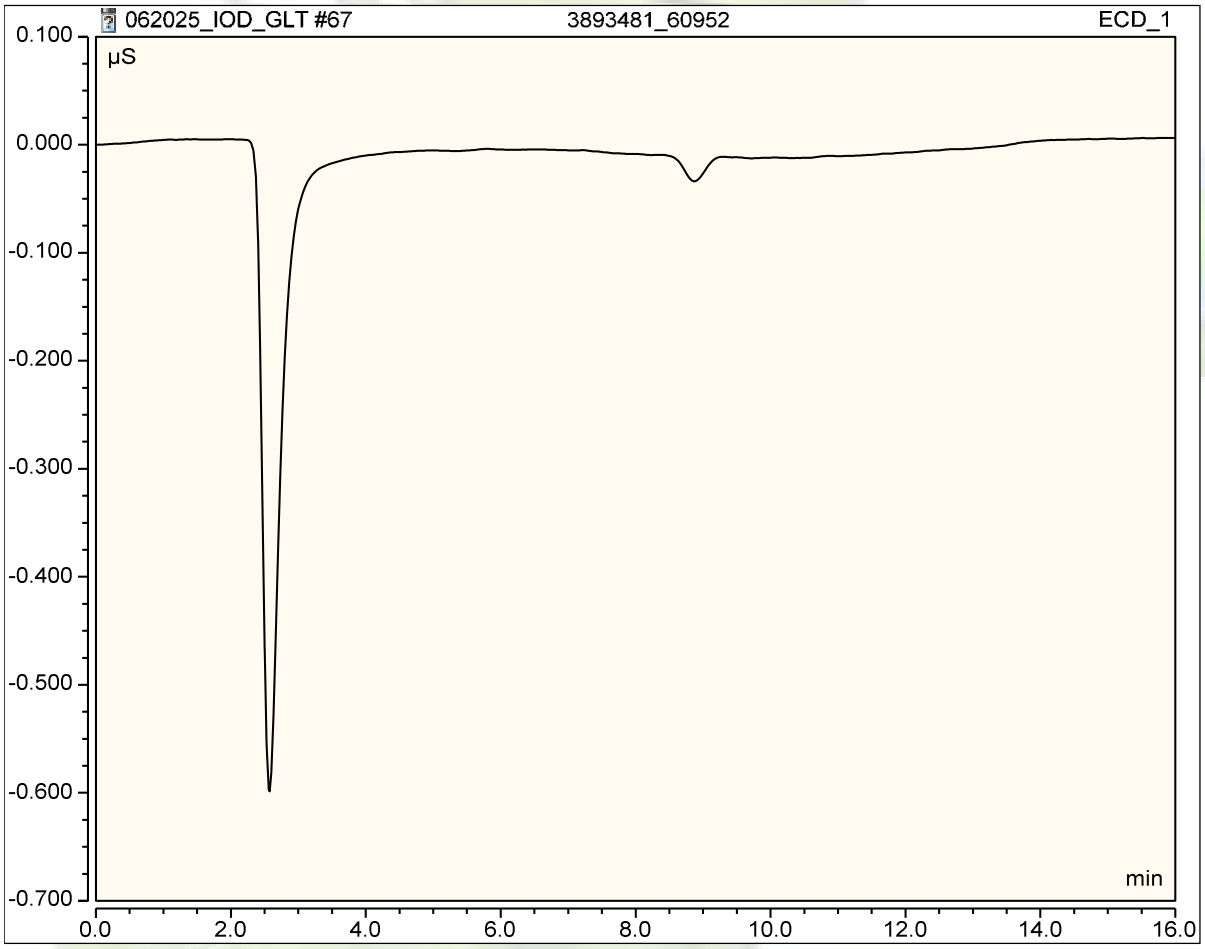
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893481_60952
340111

Sample Name:	**3893481_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1ecor- in" Time:	**06/21/2025 15:42**	Sample **2** ei"ht:	**1.0000**
1un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

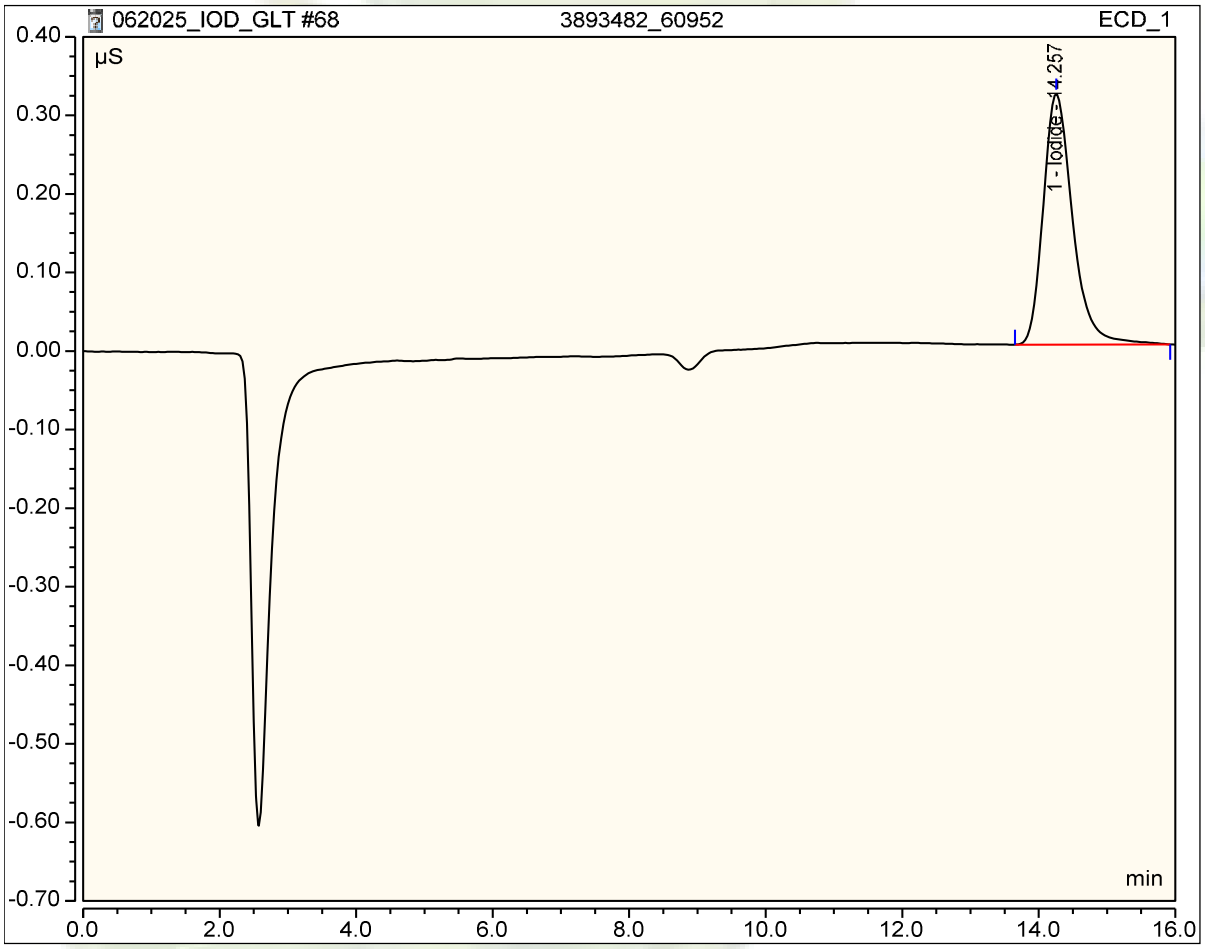
No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



3893482_60952
377680

Sample Name:	**3893482_60952**	Injection Volume (uL):	**25.00**
Vial Number:	B**6**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro"ram:	**#IC%&'**	**(** luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' **($%**	**'** ilution **0**actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 16:02**	Sample **2** ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

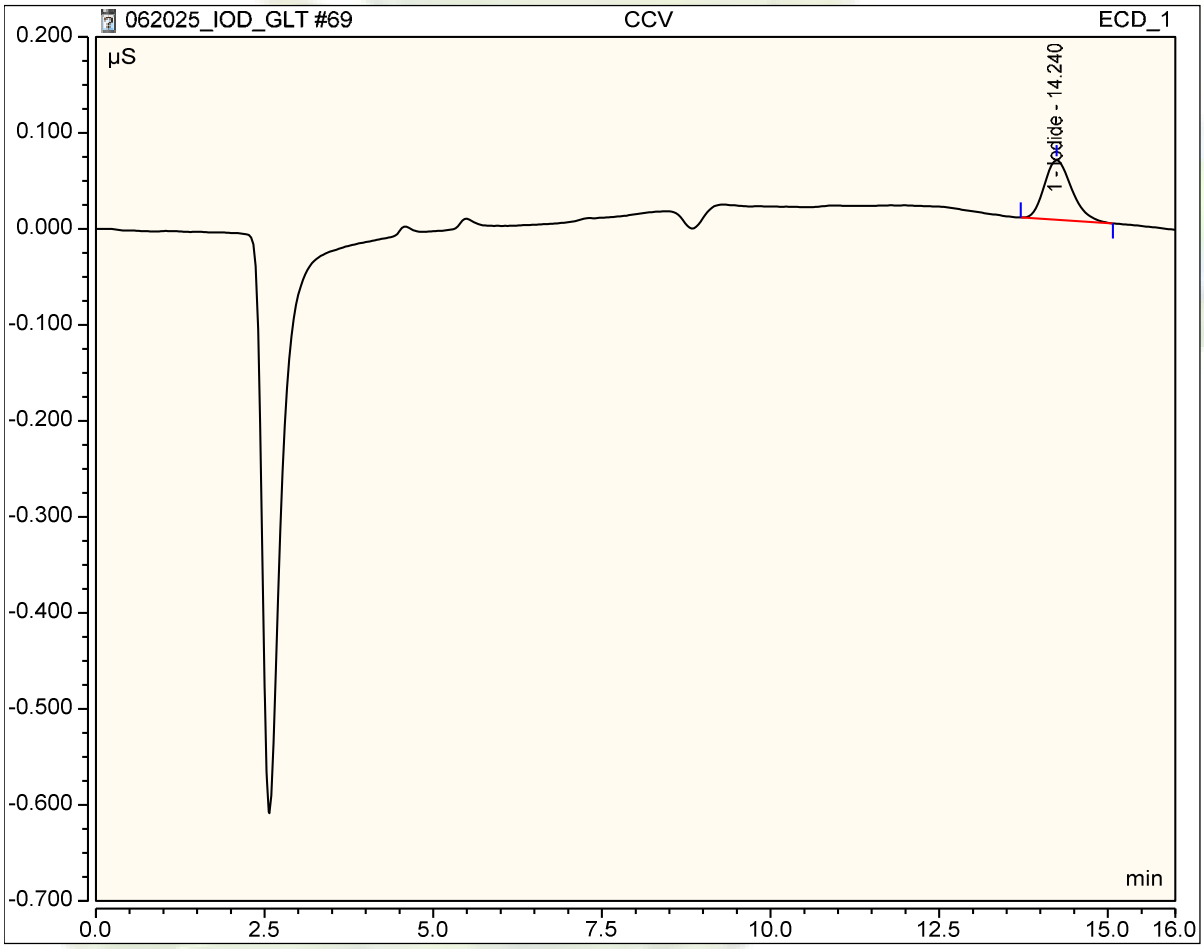
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.26	**Iodide**	4.9327	0.160	0.320	BMB



CCV
412749

Sample Name:	**CCV**	Injection Volume (uL):	**25.00**
Vial Number:	B2	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control ! ro"ram:	**#IC%&'**	(luent Stock:	**416359**
) uanti*+, etho- :	C. L/ l&' l' ($%	' ilution 0actor	**1.0000**
1 ecor- in" Time:	**06/21/2025 16:21**	Sample 2 ei"ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy5tem Name:	**50IC04**

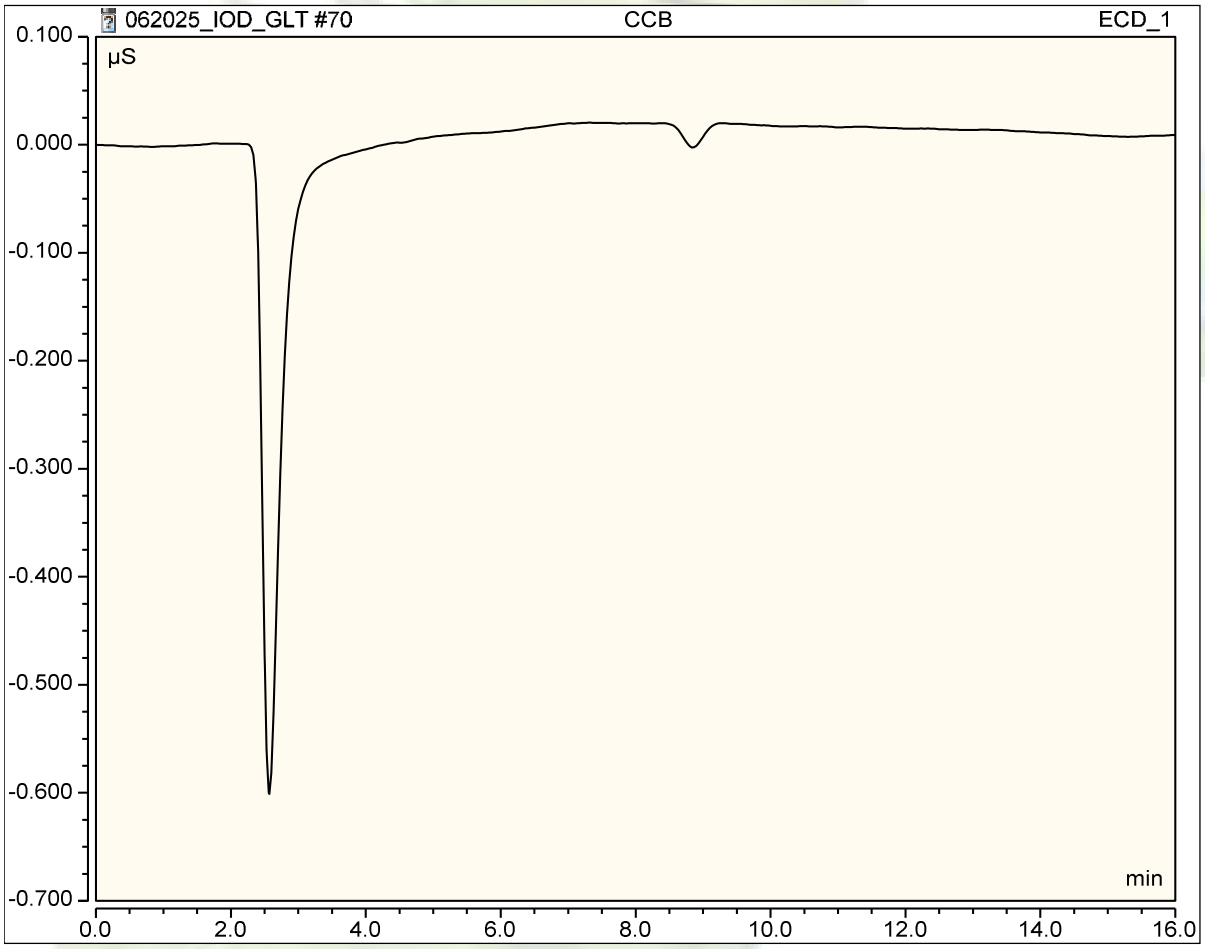
No.	Retention Time min	Name	Amount mg/L	Area µS*min	Height µS	Type
1	14.24	**Iodide**	0.9415	0.029	0.062	BMB



CCB
340111

Sample Name:	**CCB**	Injection Volume (uL):	**25.00**
Vial Number:	B**3**	Channel:	**ECD_1**
Sample Type:	Unkno n	Calibration:	**04/10/25 16:14**
Control **!** ro**"**ram:	**#$**IC**$%&'**	**(** luent Stock:	**416359**
) uanti**+,** etho**-** :	C**.** L**/** l**&'** l**'** **($%**	**'** ilution **0**actor	**1.0000**
1 ecor**-** in**"** Time:	**06/21/2025 16:40**	Sample **2** ei**"**ht:	**1.0000**
1 un Time (min):	**34-$$**	Sy**5**tem Name:	**50IC04**

No.	Retention Time min	Name	Amount n.a.	Area µS*min	Height µS	Type



July 1, 2025

Marty Vitanza
Pace Analytical
8 Walkup Dr.
Westborough, MA 01581
Email: marty.vitanza@pacelabs.com west.subreports@pacelabs.com

Dear Mr. Vitanza

Enclosed is a copy of the raw data you requested for the following sample:

GLI Lab ID#	Sample ID
W-1436	MW-06A
W-1437	MW-06B
W-1438	MW-07A
W-1439	MW-07B
W-1440	MW-10B
W-1441	MW-10A
W-1442	MW-09A
W-1443	MW-09B
W-1444	MW-05B
W-1445	MW-05A
W-1446	MW-08B
W-1447	MW-08A
W-1448	MW-08A-MS
W-1449	MW-08A-MSD
W-1450	MW-02A
W-1451	MW-02B
W-1452	MW-03B
W-1453	MW-03A
W-1454	MW-04A
W-1455	MW-04B
W-1456	DUP001

Please note that all the data has been verified to be certified copies of the original data.
Please feel free to contact us if you have any questions.

Thank you,

Taylor Kline
Raw Data Clerk
Galbraith Laboratories, Inc.

GALBRAITH
A BUREAU VERITAS COMPANY

Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 1-7-25

Internal	Date Received	Internal Lab ID
	JAN 17 2025	W 1436

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraith.com for our Terms and Conditions.

Form 3.1.1A Version 28

GALBRAITH
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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information

Name	Marty Vitanza
Company	Pace Analytical
Address	8 Walkup Drive
Address (2)	
City, State/Province	Westborough, MA
Zip/Postal Code	01581
Country	USA
Phone	(716) 427-5225
Quote Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com
Information is only released to the contact above. If others are permitted to receive information, list their names here.	

Payment Information

Company	Pace Analytical
Bill to Address	
Address (2)	
City, State/Province	
Zip/Postal Code	
Country	
Phone	
Email	
PO Number	

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($35 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6 17-23

Internal

Date Received	Internal Lab ID
JUN 17 2025	W 1437

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/Terms and Conditions.

Form 3.1.1A Version 28

GALBRAITH
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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information

Name	Marty Vitanza
Company	Pace Analytical
Address	8 Walkup Drive
Address (2)	
City, State/Province	Westborough, MA
Zip/Postal Code	01581
Country	USA
Phone	(716) 427-5225
Quote Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com
Information is only released to the contact above. If others are permitted to receive information, list their names here.	

Payment Information

Company	Pace Analytical
Bill to Address	
Address (2)	
City, State/Province	
Zip/Postal Code	
Country	
Phone	
Email	
PO Number	

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) ~~RUSH - 5 business days (100% surcharge)~~
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum (●) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6 17 23

Internal

Date Received	Internal Lab ID
JAN 17 2025	# 1438

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

GALBRAITH
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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	**Company**	Pace Analytical
Company	Pace Analytical	**Bill to Address**	
Address	8 Walkup Drive	**Address (2)**	
Address (2)		**City, State/Province**	
City, State/Province	Westborough, MA	**Zip/Postal Code**	
Zip/Postal Code	01581	**Country**	
Country	USA	**Phone**	
Phone	(716) 427-5225	**Email**	
Quote Number		**PO Number**	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) ~~RUSH - 5 business days (100% surcharge)~~
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6-17-25

Internal

Date Received	Internal Lab ID
JUN 17 2025	W 1439

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com for Terms and Conditions.

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Analytical Request Form

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAB 6-17-25

Internal

Date Received	Internal Lab ID
JUN 17 2025	W 1440

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

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Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAK 1-17-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1411

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms-and-conditions.

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Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($65 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6 17-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	WT 1449

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms-and-conditions.

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Analytical Request Form

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Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum (●) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6 1723

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1443

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com for Terms and Conditions.

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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

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Contact Information

Name	Marty Vitanza
Company	Pace Analytical
Address	8 Walkup Drive
Address (2)	
City, State/Province	Westborough, MA
Zip/Postal Code	01581
Country	USA
Phone	(716) 427-5225
Quote Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com
Information is only released to the contact above. If others are permitted to receive information, list their names here.	

Payment Information

Company	Pace Analytical
Bill to Address	
Address (2)	
City, State/Province	
Zip/Postal Code	
Country	
Phone	
Email	
PO Number	

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) **RUSH** - 5 business days (100% surcharge)
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6-17-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1444

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms-and-conditions.

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	**Company**	Pace Analytical
Company	Pace Analytical	**Bill to Address**	
Address	8 Walkup Drive	**Address (2)**	
Address (2)		**City, State/Province**	
City, State/Province	Westborough, MA	**Zip/Postal Code**	
Zip/Postal Code	01581	**Country**	
Country	USA	**Phone**	
Phone	(716) 427-5225	**Email**	
Quote Number		**PO Number**	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) ~~RUSH - 5 business days (100% surcharge)~~
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6 17-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1445

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

Form 3.1.1A Version 28

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Analytical Request Form

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $80/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 1/7/25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1446

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 3 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($25 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 1-7-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1447

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms-and-conditions.

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Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 1/7/25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1448

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

Form 3.1.1A Version 28

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 3 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6-17-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	WI 1449

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

(●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]

( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($10 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MRL-17-25

Internal

Date Received	Internal Lab ID
JUN 17 2025	W 1459

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraith.com for our Terms and Conditions.

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Analytical Request Form

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Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) ~~RUSH - 5 business days (100% surcharge)~~
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MRL: 17-25

Internal

Date Received	Internal Lab ID
JUN 17 2025	W 1451

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

Form 3.1.1A Version 28

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Analytical Request Form

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	**Company**	Pace Analytical
Company	Pace Analytical	**Bill to Address**	
Address	8 Walkup Drive	**Address (2)**	
Address (2)		**City, State/Province**	
City, State/Province	Westborough, MA	**Zip/Postal Code**	
Zip/Postal Code	01581	**Country**	
Country	USA	**Phone**	
Phone	(716) 427-5225	**Email**	
Quote Number		**PO Number**	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) ~~RUSH - 5 business days (100% surcharge)~~
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) **SDS** Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) **No SDS**	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MARLO 1-7-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1452

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms-and-conditions.

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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 3 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAK 1-17-25

Internal

Date Received	Internal Lab ID
JAN 17 2025	1453

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms-and-conditions.

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Analytical Request Form

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 1-17-25

Internal	Date Received	Internal Lab ID
	JAN 17 2025	W 1454

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com for our Terms and Conditions.

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Analytical Request Form

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ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) STANDARD - Approximately 10 business days
- ( ) RUSH - 5 business days (100% surcharge)
- ( ) PRIORITY - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
- [ ] Handle under Nitrogen ($39 per sample, subject to rush surcharge)
- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B, DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

- (●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]
- ( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 1/7/25

Internal

Date Received	Internal Lab ID
JAN 17 2025	W 1455

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraithlabs.com/terms and Conditions.

Form 3.1.1A Version 28

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Analytical Request Form

Please fill out all fields. For assistance, contact us at 1-877-449-8797 or email labinfo@galbraith.com

ISO 17025 Certificate #2777.01

ACCREDITED

Contact Information		Payment Information	
Name	Marty Vitanza	Company	Pace Analytical
Company	Pace Analytical	Bill to Address	
Address	8 Walkup Drive	Address (2)	
Address (2)		City, State/Province	
City, State/Province	Westborough, MA	Zip/Postal Code	
Zip/Postal Code	01581	Country	
Country	USA	Phone	
Phone	(716) 427-5225	Email	
Quote Number		PO Number	
Report Results to (List emails)	Marty.Vitanza@pacelabs.com, west.subreports@pacelabs.com		
Information is only released to the contact above. If others are permitted to receive information, list their names here.			

Turnaround Time

- (●) **STANDARD** - Approximately 10 business days
- ( ) ~~RUSH - 5 business days (100% surcharge)~~
- ( ) **PRIORITY** - 2 business days (200% surcharge)

Regulatory Information

Regulatory services incur an 85% surcharge

( ) No Regulations	( ) GMP 21 CFR 210/211 21 CFR 820
( ) FIFRA 40 CFR 160	( ) GLP 21 CFR 58
( ) TSCA 40 CFR 792	( ) NRC
( ) RCRA	( ) QA Custom

Special Handling

- [ ] Dry prior to analysis (provide conditions below, $37 per sample)
- [ ] _____ Hours _____ °C Vacuum ( ) Yes ( ) No
- [ ] Grind ($54 per sample, subject to rush surcharge)
- [ ] Cryogenic Grind ($132 per sample, subject to rush surcharge)
- [ ] Cold Storage (2 to 8°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-18 to -25°C) ($14 per sample or $63 per 5+ samples)
- [ ] Freezer Storage (-70°C) ($14 per sample or $63 per 5+ samples)
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- [ ] Handle under Argon ($42 per sample, subject to rush surcharge)

Replicates

( ) Single ( ) Duplicate ( ) Triplicate ( ) Other_____

[ ] Duplicate if 1st analysis disagrees with theory/range

Note: A 100% surcharge is added for each additional replicate

Data Delivery

[✓] Raw Data ($75 per sample)

Sample Information

Sample Identification	Amount	Sample Composition
MW-06A, MW-06B, MW-07A, MW-07B		
MW-10B, MW-10A, MW-09A, MW-09B		
MW-05B, MW-05A, MW-08B, MW-08A		
MW-08A-MS, MW-08A-MSD, MW-02A,		
MW-02B, MW-03B, MW-03A, MW-04A		
MW-04B DUP001		

Sample Disposition After Testing

The sample remains your property at all times. Select one of these options

(●) **Discard** [By checking this box, you certify that the material is suitable for disposal in a sanitary landfill. This is not available for hazardous samples.]

( ) **Return to Sender** [Non-hazardous: $12/spl or $26/batch of 3 or more. Hazardous: $90/spl or batch.]

Hazards

( ) SDS Required if hazardous	[ ] Unknown	[ ] Inhalation
	[ ] Biohazard ($15 per sample)	[ ] Pyrophoric
( ) No SDS	[ ] Cytotoxic	[ ] Reproductive

Testing Information

Test Requested	Detection Limit	Theory/Range*	Method/Procedure
Ammonium			

*Are the stated Theory/Range values regulatory specifications? ( ) Yes ( ) No

Notes & Comments

PACE Job #L2536247
Raw Data on Ms/MSD

MAR 6 17 25

Internal

Date Received	Internal Lab ID
JUN 17 2025	# 1456

Ship samples to 2323 Sycamore Dr Knoxville, TN 37921. If rush turnaround time is requested, please indicate on the outside of box by writing RUSH or PRIORITY on your shipping label. Pricing subject to change. For the most updated pricing, please contact us at labinfo@galbraith.com. A sample submitted for testing constitutes acceptance of Galbraith's Terms and Conditions. See our Catalog of Services or website at www.galbraith.com/terms Terms and Conditions.

Form 3.1.1A Version 28

2025

HPLC Data Sheet

000050

Page 1 of 1 Packet Data Sheet#s: 50

Preparation date, Analyst(s): HMF 4/30/25 25 ⑥
Determination date, Analyst(s): HMF 4/30/25
Solvent: DI H2O, fresh daily
Procedure and Revision: GLI-AAA-ClO2 V. 2

Balance 190
Instrument 819
Standards Log Page
RL# 4525C-G-1 Exp. 5/25/25 ⑥

RGS

VERIFIED BY: KEC 5/1/25

RRS VERIFIED CNC 5/1/25

Sample ID	C-0000	Ref Std	V-6156	~~V-6165~~ ③ V-6156	% ATTM Calculation
Analyte	LC Purity Assay			Purity Assay	% ATTM = $\frac{r_u}{r_s} \times c_s \times 100$
Run #	~~0~~ ~~6~~ 6	3-5	N/A	7	
Info (C/N, atmosphere, etc.)	NA	C/N 30607	Frz @ 3:10 PM	Frz ~~@~~ ① @ 3:25PM	Where: r_u = Sample peak area; r_s = average peak area of std; c_s = concentration of std (mg/mL); c_u = sample solution concentration (mg/mL)
	NA			NA	
	NA			NA	
(A) Sample Mass (mg)	NA	NA	51.52	51.05 ②	
(B) Prep Volume ④ (mL)	100.0	NA	100.0	100.0	% ATTM = $\frac{157.7911}{151.8125} \times \frac{0.4900}{0.5105} \times 100$
Aliquot (NA)	NA			NA	
Dilution Volume (NA)	NA			NA	= 99.76 %
(C) Dilution Factor mg/mL	NA			NA	= 99.8 %
(D) Theory Value (~~mg~~ ⑤)	NA	0.4900	NA	0.5105	
(E) Sample Amount (Area)	ND	151.8125	NA	157.7911	
(F) Blank (Area)	NA	ND	NA ⑦	ND	HMF 5/1/25
(G) Result (w/w %)	ND	Calculation only	Test Aborted	99.8	

Comments:

① for clarity. HMF 4/30/25
② spilled while transferring. HMF 4/30/25
③ ~~Some~~ Sample dissolved completely. No sonication needed. HMF 4/30/25
④ All solutions passed through a 0.22 µm Nylon syringe filter. HMF 4/30/25
⑤ misprint. HMF 4/30/25
⑥ ATTM Mobile Phase A HMF 5/1/25
⑦ Test aborted - KEC 5/1/25

INV AB

EXACT COPY OF RAW DATA
TJC 7/2/25

INSPECTED V-6156
mm 5/15/25

Form LC-100A Ver 5

Work Instructions

Technical Reviewer Kim Carter
Review Date 3/11
Project Manager Kim Carter

User hannah.m.fetters

LabID	TAT	Regs	Sample Test Comments
V-6156	10D	GMP	25364 (Exp); special instructions on ARF; GLI-AAA-C102; Other

LabID	Code	Description	DL	TR	Specification	Rep
V-6156	LC1	Purity Assay			No	1

Procedure Number

GLI-AAA-C102

Technical Instructions

This is ATTM Drug Substance - use Section 3.1 for sample prep.

Bottle of reference standard should be relatively fresh, preferably new.

Specification – 90 - 110% – KEC 4/30/25

VERIFIED BY:
KEC 5/1/25

mom 5/5/25
INSPECTED

EXACT COPY OF
RAW DATA
TOL 7/2/25

Regulated Analysis Form

Tracking Information					
Data Sheets:	56				
I have read and understood the work instruction(s) provided including the current revision of the assigned procedure(s) and the requirements that are incorporated within.					
Initials	**Date**	**Initials**	**Date**	**Initials**	**Date**
HMF	4/30/25				②
					②

Equipment Review				
Instrument Number	**Maintenance Completed**	**GMP Sticker Date**	**Qualification / Calibration Date**	**Initials / Date**
819	✓	12/5/24	Daily	HMF 4/30/25
190	✓	1/29/25	7/28/25	HMF 4/30/25
			②	

① ATTM stain. HMF 4/30/25

Footnotes & Comments

② HMF 5/1/25

VERIFIED BY:
KEC 5/1/25

mom 5/5/25
INSPECTED

EXACT COPY OF
RAW DATA
TDM 7/2/25

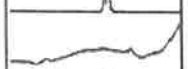
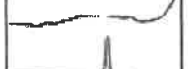
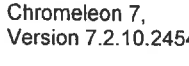
Form 3.5.2A Ver 1

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

VERIFIED BY: YW 6/30/25

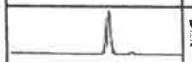
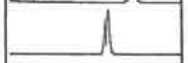
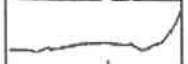
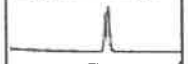
GAD 6/27/25 ME-4D Rev.12 #835

DS#050

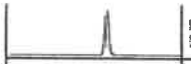
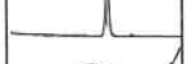
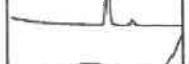
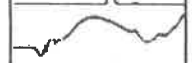
ECD_1	Name	Type	Level	Position	Volume [µl]	Instrument Method	Processing Method	Status
	RT check	Unknown		RA1	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RA2	50.0	20221215	ME-4D cations	Finished
	Cal1	Calibration Standard	1	RA3	50.0	20221215	ME-4D cations	Finished
	Cal2	Calibration Standard	2	RA4	50.0	20221215	ME-4D cations	Finished
	Cal3	Calibration Standard	3	RA5	50.0	20221215	ME-4D cations	Finished
	Cal4	Calibration Standard	4	RA6	50.0	20221215	ME-4D cations	Finished
	Cal5	Calibration Standard	5	RA7	50.0	20221215	ME-4D cations	Finished
	Cal3 for RSD	Unknown		RA8	50.0	20221215	ME-4D cations	Finished
	Cal3 for RSD	Unknown		RA8	50.0	20221215	ME-4D cations	Finished
	Cal3 for RSD	Unknown		RA8	50.0	20221215	ME-4D cations	Finished
	c-0000	Unknown		RB1	50.0	20221215	ME-4D cations	Finished
	ICS 1 ppm	Unknown		RB2	50.0	20221215	ME-4D cations	Finished
	W-1436	Unknown		RB3	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RB4	50.0	20221215	ME-4D cations	Finished
	W-1437	Unknown		RB5	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RB4	50.0	20221215	ME-4D cations	Finished
	W-1438	Unknown		RB6	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RB7	50.0	20221215	ME-4D cations	Finished
	W-1439	Unknown		RB8	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RB7	50.0	20221215	ME-4D cations	Finished
	W-1440	Unknown		RC1	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RC2	50.0	20221215	ME-4D cations	Finished

EXACT COPY OF RAW DATA YW 7/2/25

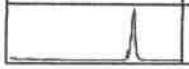
Sequence: 20250627a cations
Last Update Operator: gregory.duncan

ECD_1	Name	Type	Level	Position	Volume [µl]	Instrument Method	Processing Method	Status
	W-1441	Unknown		RC3	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RC2	50.0	20221215	ME-4D cations	Finished
	CCV 1 ppm	Unknown		RC4	50.0	20221215	ME-4D cations	Finished
	W-1442	Unknown		RC5	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RC6	50.0	20221215	ME-4D cations	Finished
	W-1443	Unknown		RC7	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RC6	50.0	20221215	ME-4D cations	Finished
	W-1444	Unknown		RC8	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RD1	50.0	20221215	ME-4D cations	Finished
	W-1445	Unknown		RD2	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RD1	50.0	20221215	ME-4D cations	Finished
	W-1446	Unknown		RD3	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RD4	50.0	20221215	ME-4D cations	Finished
	W-1447	Unknown		RD5	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RD4	50.0	20221215	ME-4D cations	Finished
	W-1448	Unknown		RD6	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RD7	50.0	20221215	ME-4D cations	Finished
	W-1449	Unknown		RD8	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RD7	50.0	20221215	ME-4D cations	Finished
	W-1450	Unknown		RE1	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RE2	50.0	20221215	ME-4D cations	Finished
	CCV 1 ppm	Unknown		RE3	50.0	20221215	ME-4D cations	Finished

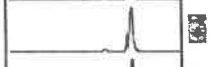
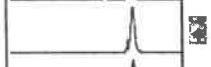
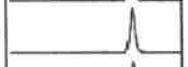
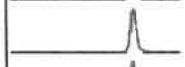
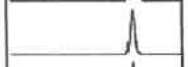
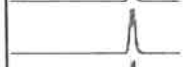
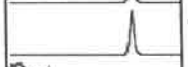
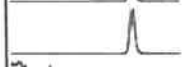
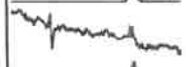
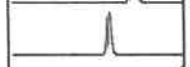
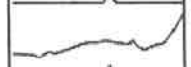
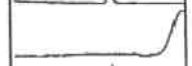
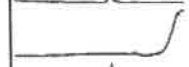
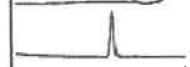
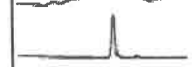
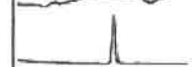
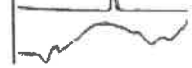
Sequence: 20250627a cations
Last Update Operator: gregory.duncan

ECD_1	Name	Type	Level	Position	Volume [µl]	Instrument Method	Processing Method	Status
	W-1451	Unknown		RE4	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RE5	50.0	20221215	ME-4D cations	Finished
	W-1452	Unknown		RE6	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RE5	50.0	20221215	ME-4D cations	Finished
	W-1453	Unknown		RE7	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		RE8	50.0	20221215	ME-4D cations	Finished
	W-1454	Unknown		GA1	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GA2	50.0	20221215	ME-4D cations	Finished
	W-1455	Unknown		GA3	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GA2	50.0	20221215	ME-4D cations	Finished
	W-1456	Unknown		GA4	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GA5	50.0	20221215	ME-4D cations	Finished
	W-1634	Unknown		GA6	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GA5	50.0	20221215	ME-4D cations	Finished
	W-1635	Unknown		GA7	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GA8	50.0	20221215	ME-4D cations	Finished
	W-1636	Unknown		GB1	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GA8	50.0	20221215	ME-4D cations	Finished
	CCV 1 ppm	Unknown		GB2	50.0	20221215	ME-4D cations	Finished
	W-1637	Unknown		GB3	50.0	20221215	ME-4D cations	Finished
	DI H2O	Unknown		GB4	50.0	20221215	ME-4D cations	Finished
	W-1638	Unknown		GB5	50.0	20221215	ME-4D cations	Finished

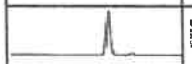
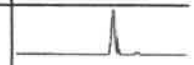
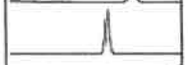
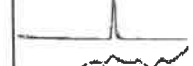
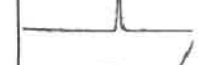
Sequence: 20250627a cations
Last Update Operator: gregory.duncan

	DI H2O	Unknown		GB6	50.0	20221215	ME-4D cations	Finished
ECD_1	Name	Type	Level	Position	Volume [µl]	Instrument Method	Processing Method	Status
	CCV 1 ppm	Unknown		GB7	50.0	20221215	ME-4D cations	Finished

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

ECD_1	Name	Inject Time	Lock Status	Weight	Dilution	IntStd	Replicate ID	Comment	ECD_1
	RT check	6/27/2025 12:22:16 PM		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 12:40:58 PM		1.0000	1.0000	1.0000			
	Cal1	6/27/2025 12:59:39 PM		1.0000	1.0000	1.0000			
	Cal2	6/27/2025 1:18:32 PM -0		1.0000	1.0000	1.0000			
	Cal3	6/27/2025 1:37:14 PM -0		1.0000	1.0000	1.0000			
	Cal4	6/27/2025 1:55:56 PM -0		1.0000	1.0000	1.0000			
	Cal5	6/27/2025 2:14:38 PM -0		1.0000	1.0000	1.0000			
	Cal3 for RSD	6/27/2025 2:33:19 PM -0		1.0000	1.0000	1.0000			
	Cal3 for RSD	6/27/2025 2:52:01 PM -0		1.0000	1.0000	1.0000			
	Cal3 for RSD	6/27/2025 3:10:42 PM -0		1.0000	1.0000	1.0000			
	c-0000	6/27/2025 3:29:24 PM -0		1.0000	1.0000	1.0000			
	ICS 1 ppm	6/27/2025 3:48:07 PM -0		1.0000	1.0000	1.0000			
	W-1436	6/27/2025 4:22:10 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 4:40:56 PM -0		1.0000	1.0000	1.0000			
	W-1437	6/27/2025 4:59:41 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 5:18:27 PM -0		1.0000	1.0000	1.0000			
	W-1438	6/27/2025 5:37:13 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 5:55:56 PM -0		1.0000	1.0000	1.0000			
	W-1439	6/27/2025 6:14:37 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 6:33:19 PM -0		1.0000	1.0000	1.0000			
	W-1440	6/27/2025 6:52:00 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 7:10:42 PM -0		1.0000	1.0000	1.0000			

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

ECD_1	Name	Inject Time	Lock Status	Weight	Dilution	IntStd	Replicate ID	Comment	ECD_1
	W-1441	6/27/2025 7:29:22 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 7:48:04 PM -0		1.0000	1.0000	1.0000			
	CCV 1 ppm	6/27/2025 8:06:45 PM -0		1.0000	1.0000	1.0000			
	W-1442	6/27/2025 8:25:26 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 8:44:07 PM -0		1.0000	1.0000	1.0000			
	W-1443	6/27/2025 9:02:48 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 9:21:29 PM -0		1.0000	1.0000	1.0000			
	W-1444	6/27/2025 9:40:10 PM -0		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 9:58:52 PM -0		1.0000	1.0000	1.0000			
	W-1445	6/27/2025 10:17:34 PM		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 10:36:15 PM		1.0000	1.0000	1.0000			
	W-1446	6/27/2025 10:54:55 PM		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 11:13:36 PM		1.0000	1.0000	1.0000			
	W-1447	6/27/2025 11:32:17 PM		1.0000	1.0000	1.0000			
	DI H2O	6/27/2025 11:50:59 PM		1.0000	1.0000	1.0000			
	W-1448	6/28/2025 12:09:40 AM		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 12:28:20 AM		1.0000	1.0000	1.0000			
	W-1449	6/28/2025 12:47:02 AM		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 1:05:43 AM -0		1.0000	1.0000	1.0000			
	W-1450	6/28/2025 1:24:25 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 1:43:06 AM -0		1.0000	1.0000	1.0000			
	CCV 1 ppm	6/28/2025 2:01:48 AM -0		1.0000	1.0000	1.0000			

Sequence: 20250627a cations
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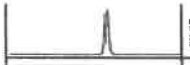
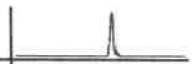
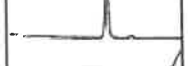
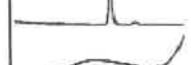
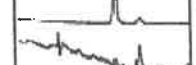
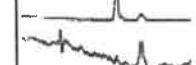
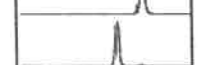
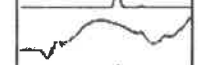
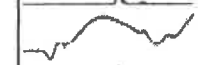
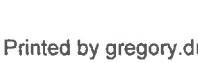
	W-1451	6/28/2025 2:20:30 AM -0		1.0000	1.0000	1.0000			
ECD_1	Name	Inject Time	Lock Status	Weight	Dilution	IntStd	Replicate ID	Comment	ECD_1
	DI H2O	6/28/2025 2:39:11 AM -0		1.0000	1.0000	1.0000			
	W-1452	6/28/2025 2:57:51 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 3:16:32 AM -0		1.0000	1.0000	1.0000			
	W-1453	6/28/2025 3:35:14 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 3:53:55 AM -0		1.0000	1.0000	1.0000			
	W-1454	6/28/2025 4:12:42 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 4:31:25 AM -0		1.0000	1.0000	1.0000			
	W-1455	6/28/2025 4:50:06 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 5:08:48 AM -0		1.0000	1.0000	1.0000			
	W-1456	6/28/2025 5:27:30 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 5:46:11 AM -0		1.0000	1.0000	1.0000			
	W-1634	6/28/2025 6:04:53 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 6:23:35 AM -0		1.0000	1.0000	1.0000			
	W-1635	6/28/2025 6:42:16 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 7:00:58 AM -0		1.0000	1.0000	1.0000			
	W-1636	6/28/2025 7:19:40 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 7:38:23 AM -0		1.0000	1.0000	1.0000			
	CCV 1 ppm	6/28/2025 7:57:04 AM -0		1.0000	1.0000	1.0000			
	W-1637	6/28/2025 8:15:45 AM -0		1.0000	1.0000	1.0000			
	DI H2O	6/28/2025 8:34:27 AM -0		1.0000	1.0000	1.0000			
	W-1638	6/28/2025 8:53:09 AM -0		1.0000	1.0000	1.0000			

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

	DI H2O	6/28/2025 9:11:50 AM -0		1.0000	1.0000	1.0000			
ECD_1	Name	Inject Time	Lock Status	Weight	Dilution	IntStd	Replicate ID	Comment	ECD_1
	CCV 1 ppm	6/28/2025 9:30:31 AM -0		1.0000	1.0000	1.0000			

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

Name	Re-injections	Spike Group
RT check	0	
DI H2O	0	
Cal1	0	
Cal2	0	
Cal3	0	
Cal4	0	
Cal5	0	
Cal3 for RSD	0	
Cal3 for RSD	0	
Cal3 for RSD	0	
c-0000	0	
ICS 1 ppm	0	
W-1436	0	
DI H2O	0	
W-1437	0	
DI H2O	0	
W-1438	0	
DI H2O	0	
W-1439	0	
DI H2O	0	
W-1440	0	
DI H2O	0	

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

Name	Re-injections	Spike Group
W-1441	0	
DI H2O	0	
CCV 1 ppm	0	
W-1442	0	
DI H2O	0	
W-1443	0	
DI H2O	0	
W-1444	0	
DI H2O	0	
W-1445	0	
DI H2O	0	
W-1446	0	
DI H2O	0	
W-1447	0	
DI H2O	0	
W-1448	0	
DI H2O	0	
W-1449	0	
DI H2O	0	
W-1450	0	
DI H2O	0	
CCV 1 ppm	0	

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

W-1451	0	

Name	Re-injections	Spike Group
DI H2O	0	
W-1452	0	
DI H2O	0	
W-1453	0	
DI H2O	0	
W-1454	0	
DI H2O	0	
W-1455	0	
DI H2O	0	
W-1456	0	
DI H2O	0	
W-1634	0	
DI H2O	0	
W-1635	0	
DI H2O	0	
W-1636	0	
DI H2O	0	
CCV 1 ppm	0	
W-1637	0	
DI H2O	0	
W-1638	0	

Sequence: 20250627a cations
Last Update Operator: gregory.duncan

DI H2O	0	
Name	Re-injections	Spike Group
CCV 1 ppm	0	

Name	**20221215**
Data Vault	**ChromeleonLocal**
Path	**chrom://gli2258/ChromeleonLocal/Instrument Data/GLI835/2024/March/20250627a cations.seq/20221215.instmeth**
Comment	
Description	
Run time	**15.000 [min]**
Instrument	**GLI835 on gli2258**
Created	**12/15/2022 2:14:16 PM -05:00 nick.doubrley**
Last Update	**6/27/2025 9:49:53 AM -04:00 gregory.duncan**

Stage	Time min	Command	Value	Comment
Instrument Setup				
	initial			
		Sampler.AcquireExclusiveAccess		
		Wait	Sampler.Ready, Run=Hold, Timeout=Infinite	
		Sampler.DiverterValve	Position_2	
		Wait	Sampler.Ready, Run=Hold, Timeout=Infinite	
		Pump_ECD.Flow	1.1 [ml/min]	
		Sampler.CycleTime	0 [min]	
		Sampler.LoopOverfill	5.000	
		Sampler.InjectMode	PushSeqFull	
		Sampler.BufferWashFactor	2.000	
		Sampler.WashDispSpeed	20.0 [µl/s]	
		Sampler.InjectWash	AfterInj	
		Sampler.WashSpeed	20.0 [µl/s]	
		Sampler.WashVolume	250.0 [µl]	
		Sampler.SampleHeight	2.000 [mm]	
		Sampler.WasteSpeed	20.0 [µl/s]	
		Sampler.DispenseDelay	2.0 [s]	
		Sampler.DispSpeed	5.0 [µl/s]	
		Sampler.DrawSpeed	5.0 [µl/s]	
		Sampler.DrawDelay	3.0 [s]	
		Sampler.DilutionMixDispenseSpeed	60.0 [µl/s]	
		Sampler.DilutionMixIterations	3	
		Sampler.DilutionMixSpeed	30.0 [µl/s]	
		Pump_ECD.Pressure.UpperLimit	1800 [psi]	
		Pump_ECD.%A.Equate	"MSA"	
		Pump_ECD.Pressure.LowerLimit	200 [psi]	
		Pump_ECD.ColumnTemperature.Nominal	35.0 [°C]	
		Pump_ECD.CellTemperature.Nominal	35.0 [°C]	
		Pump_ECD.Data_Collection_Rate	5.0 [Hz]	
		Pump_ECD.Suppressor_Type	CERS_4mm	
		Pump_ECD.Suppressor_H2SO4	0.0 [mM]	
		Pump_ECD.Suppressor_MSA	25.0 [mM]	
		Pump_ECD.Suppressor_RecommendedCurrent	81 [mA]	
		Pump_ECD.Suppressor_OtherEluent	0.0 [mN]	
		Pump_ECD.Suppressor_Current	90 [mA]	
		Sampler.PunctureOffset	3 [mm]	
Inject				
	0.000			

		Wait	Sampler.CycleTimeState, Run=Hold, Timeout=Infinite
		Sampler.Inject	
Start Run			
	0.000		
		Pump_ECD.ECD_1.AcqOn	
		Pump_ECD.Autozero	
Run			Duration = 15.000 [min]
	0.000		
Stop Run			
	15.000		
		Sampler.ReleaseExclusiveAccess	
		Pump_ECD.ECD_1.AcqOff	
End			

Name	**ME-4D cations**
Data Vault	**ChromeleonLocal**
Path	**chrom://gli2258/ChromeleonLocal/Instrument Data/GLI835/2024/March/20250627a cations.seq/ME-4D cations.procmeth**
Created	**12/15/2022 3:21:55 PM -05:00 nick.doubrley**
Last Update	**6/27/2025 10:55:28 AM -04:00 gregory.duncan**

2025 000164

835

STANDARDS PREPARATION LOG

Galbraith Laboratories, Inc.
Governing SOP: 3.2.3.1

Instrument # ~~835~~ (2)
Department 45

Initials	Date	C/N		Stock Preparation			Intermediate Preparation			Working Standard			Comments	Data Sheet Ref.	STD Review
			Status: N-New O-Out I In	Weight / Volume Taken	Dilution Volume	Concentration µg/mL	Aliquot	Dilution Volume	Concentration	Aliquot mL	Dilution Volume mL	Concentration µg/mL	COPY		
GAD	6/27/25	30818	I	N/A	N/A	1000	N/A	N/A	N/A	20	100	0.2	Cal. Std.	050	(3)
										40	100	0.4	Cal. Std.	N/A	(3)
										100	100	1.0	Cal. Std.	N/A	(3)
										200	100	2.0	Cal. Std.	N/A	(3)
				(1)						100	25	4.0	Cal. Std.	N/A	(3)
											(1)				
													(1)		
GAD	6/27/25	30911	I	N/A	N/A	1000	N/A	N/A	N/A	100	100	1.0	ICS	N/A	(3)
		(1)					(1)								
												(1)			

(3) IIT 6/27/25

FORM 3.2.3.1D Ver 2

(1) GAD 6/27/25
(3) wrote in correct instrument # by mistake GAD 6/27/25

Processing Method: ME-4D cations
Last Update Operator: gregory.duncan

Editor

Detection Settings

Algorithm: **Cobra**

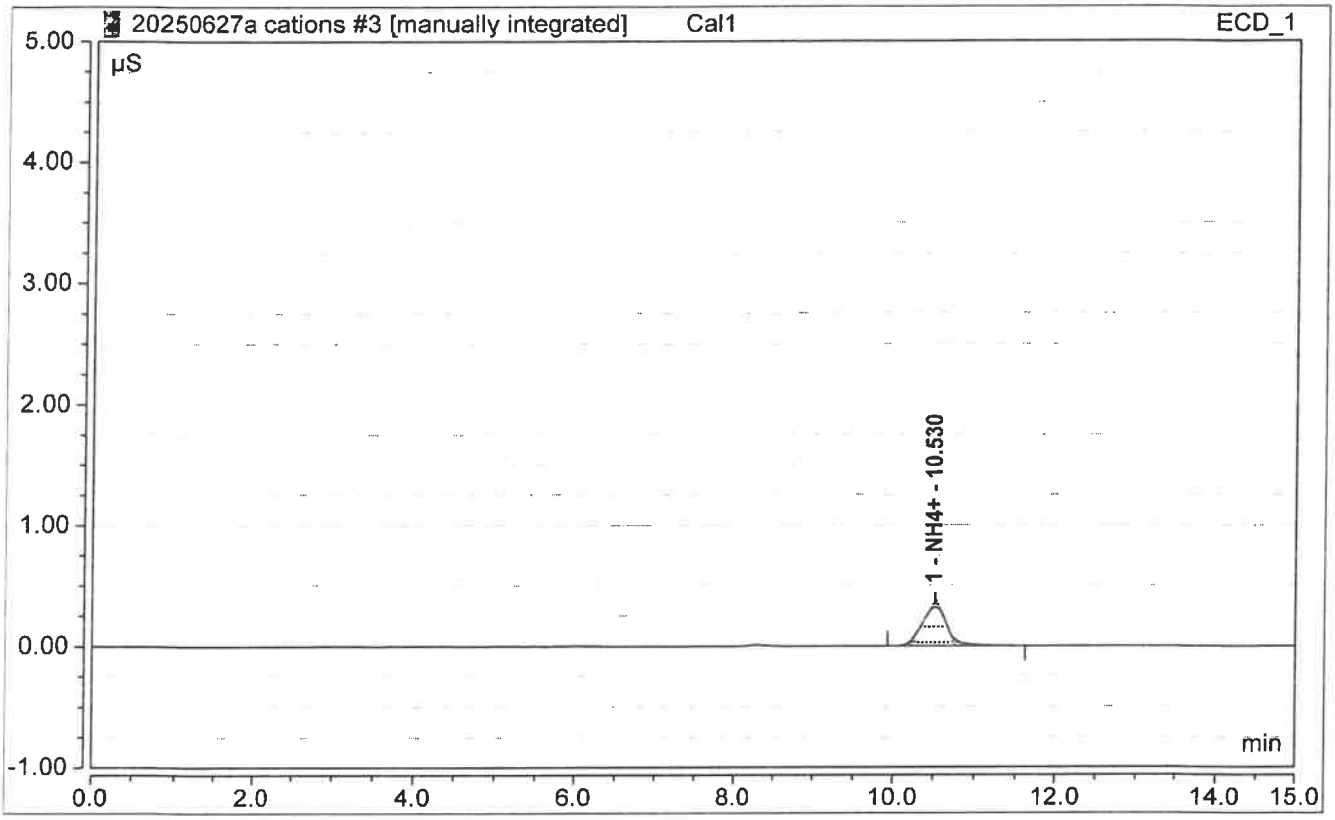
Ret.Time	Param. Name	Param.Value	Inj. Type	Channel
<Initial>	Consider Void Peak	Off	Any	All Channels
<Initial>	Smoothing Width	Auto	Any	All Channels
<Initial>	Baseline Noise Range	Auto	Any	All Channels
0.000 [min]	Tailing Sensitivity Factor	1.000	Any	All Channels
0.000 [min]	Minimum Area	Auto	Any	All Channels
0.000 [min]	Inhibit Integration	On	Any	All Channels
4.000 [min]	Inhibit Integration	Off	Any	All Channels

Component Table

Name	Ret.Time	Window	Level "1"	Level "2"	Level "3"	Level "4"	Level "5"	Charge
NH4+	10.500	0.500 AF	0.200000	0.400000	1.000000	2.000000	4.000000	

Peak Analysis Report

Sample Name:	**Cal1**	*Injection Volume:*	**50.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 12:59**	*Run Time:*	**15.00**



No.	Time min	Peak Name	Width min	Height µS	Resol. (USP)	Resol. (EP)	Plates (USP)	S/N	Asymmetry
1	10.530	NH4+	0.565	0.321	n.a.	n.a.	5552	49.7	1.029
		AVERAGE:	0.565	0.321	#DIV/0!	#DIV/0!	5,552.	50.	1.029

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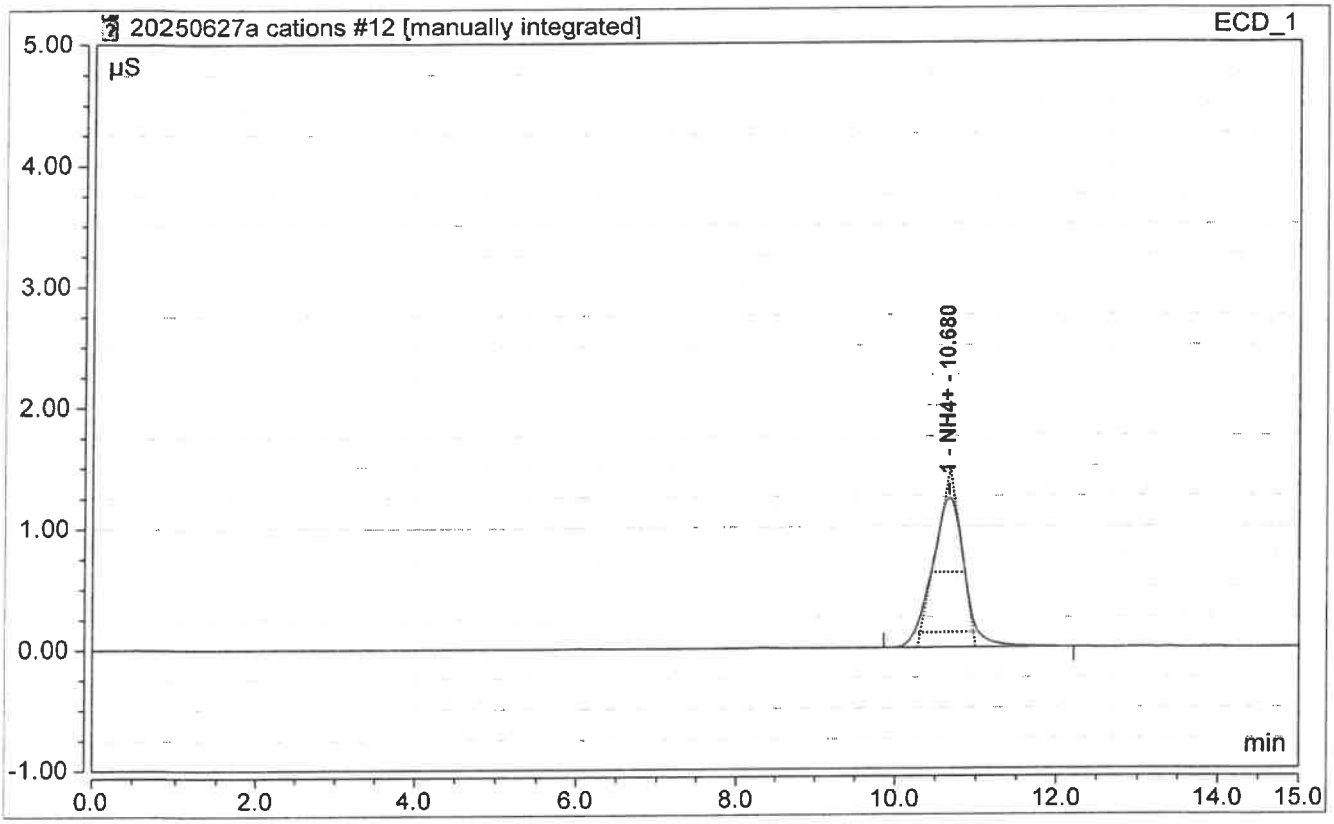
Peak Analysis Report

Sample Name:	**ICS 1 ppm**	*Injection Volume:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 15:48**	*Run Time:*	**15.00**



No.	Time min	Peak Name	Width min	Height µS	Resol. (USP)	Resol. (EP)	Plates (USP)	S/N	Asymmetry
1	10.680	NH4+	0.701	1.236	n.a.	n.a.	3710	512.7	0.964
		AVERAGE:	0.701	1.236	#DIV/0!	#DIV/0!	3,710.	513.	0.964

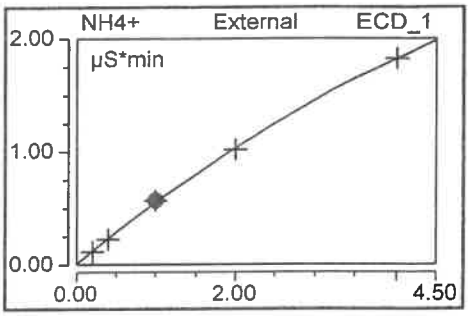
Calibration Batch Report

Sequence:	**20250627a cations**	*Injection Volume:*	**50.00**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 13:37**	*Run Time:*	**15**

Calibration Summary

Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
NH4+	Area	ıad, WithOffs	5.000	0.007	0.569	-0.029	99.9669
		AVERAGE:		0.0073	0.5687	-0.0289	99.9669

Injection Name	Ret.Time min ECD_1	Area µS*min ECD_1	Height µS ECD_1	Amount ECD_1
	NH4+	NH4+	NH4+	NH4+
Cal1	10.530	0.1154	0.321	0.192
Cal2	10.587	0.2248	0.572	0.390
Cal3	10.660	0.5678	1.247	1.040
Cal4	10.687	1.0165	2.032	1.972
Cal5	10.713	1.8220	3.286	4.006
Average	10.635			
Rel. Std. Dev.	0.710 %			



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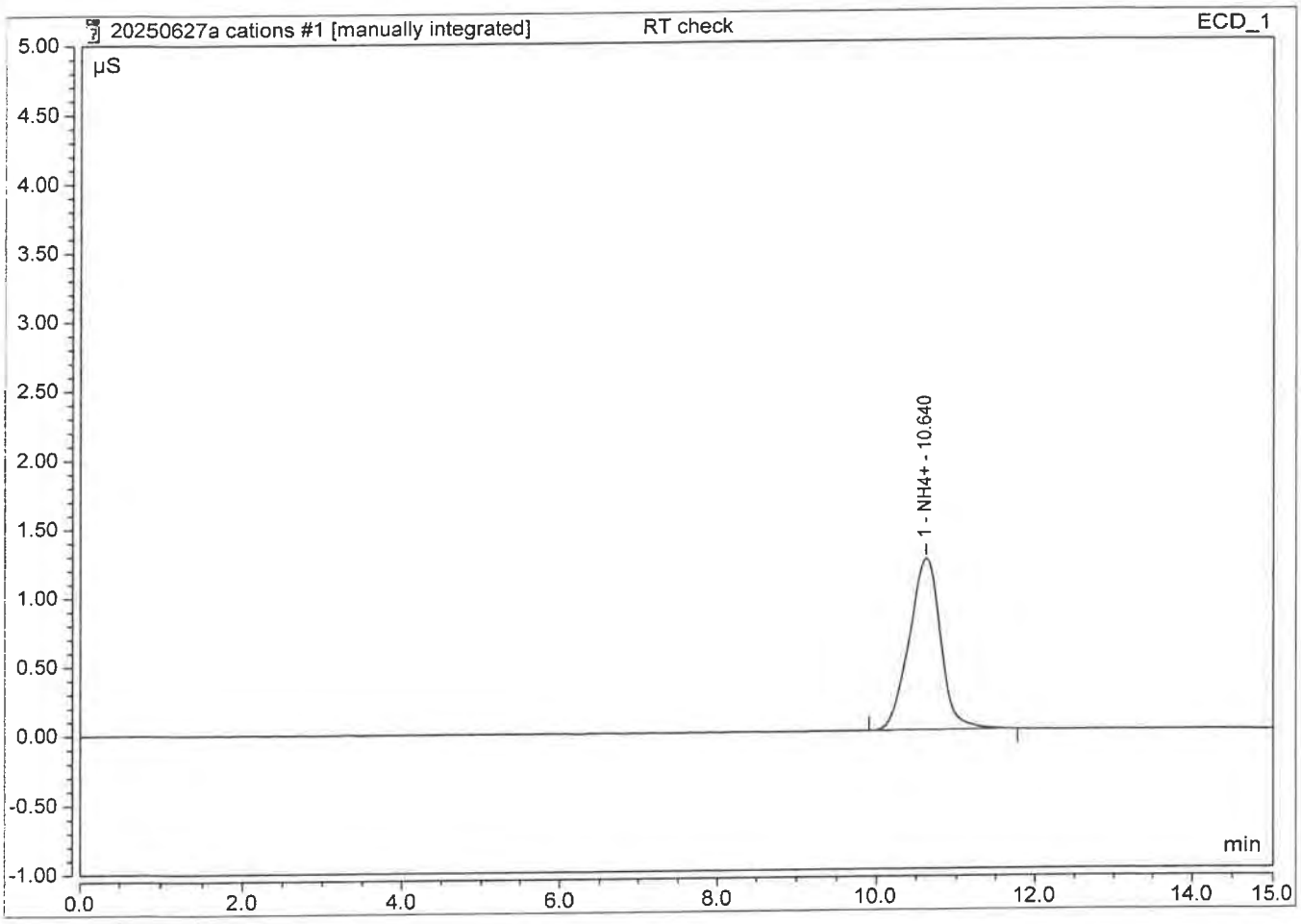
Version 7.2.10.24543

					Average	Std. Dev.	RSD	
NH4+	0.568	0.56	0.567	0.561	0.564	0.004082	0.723844	%

Peak Integration Report

Sample Name:	**RT check**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 12:22**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.64	NH4+	BMB*	0.558	1.246	1.0215
		TOTAL:		0.56	1.25	1.02



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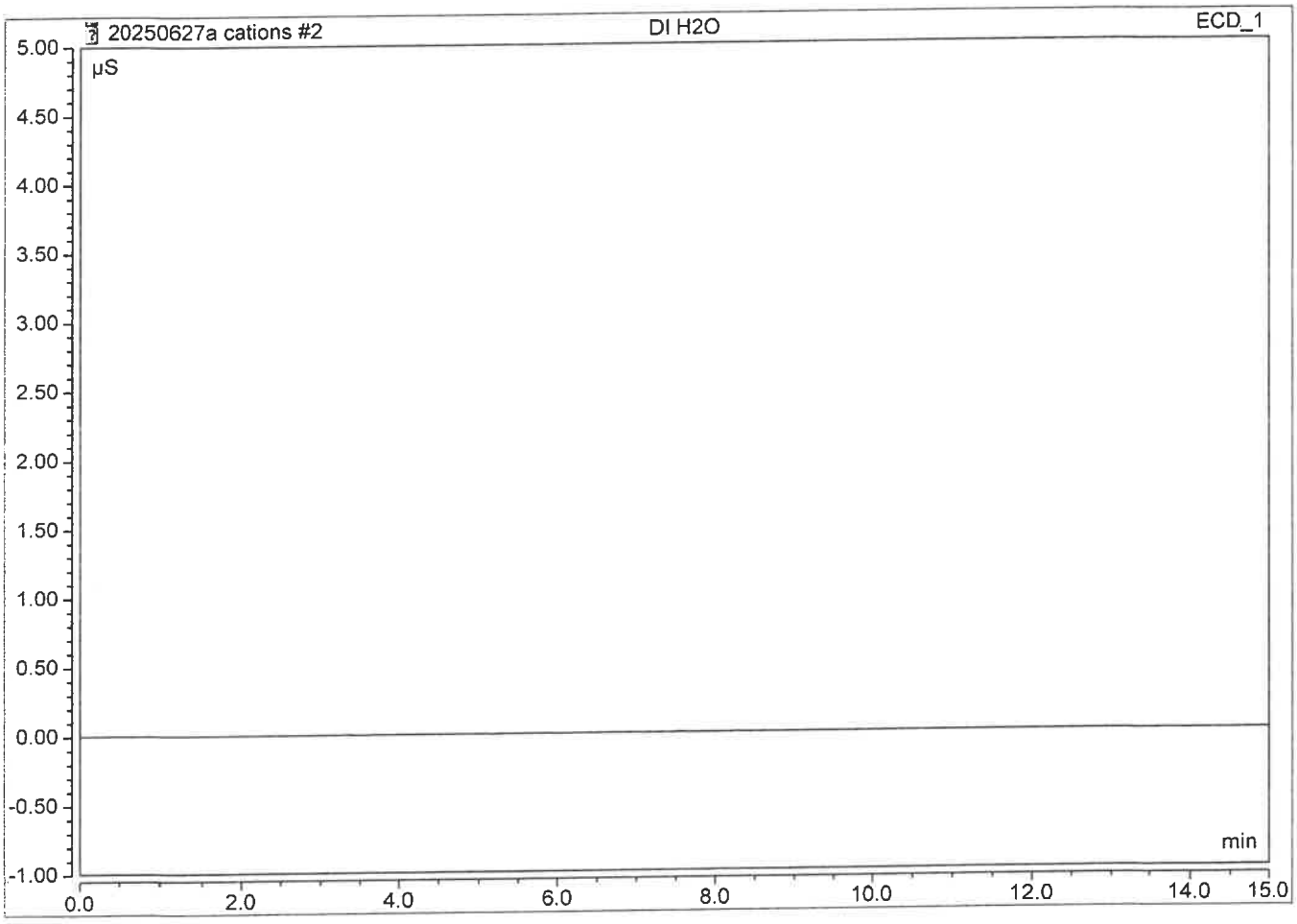
Version 7.2.10.24543

Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 12:40**	*Run Time:*	**15.00**

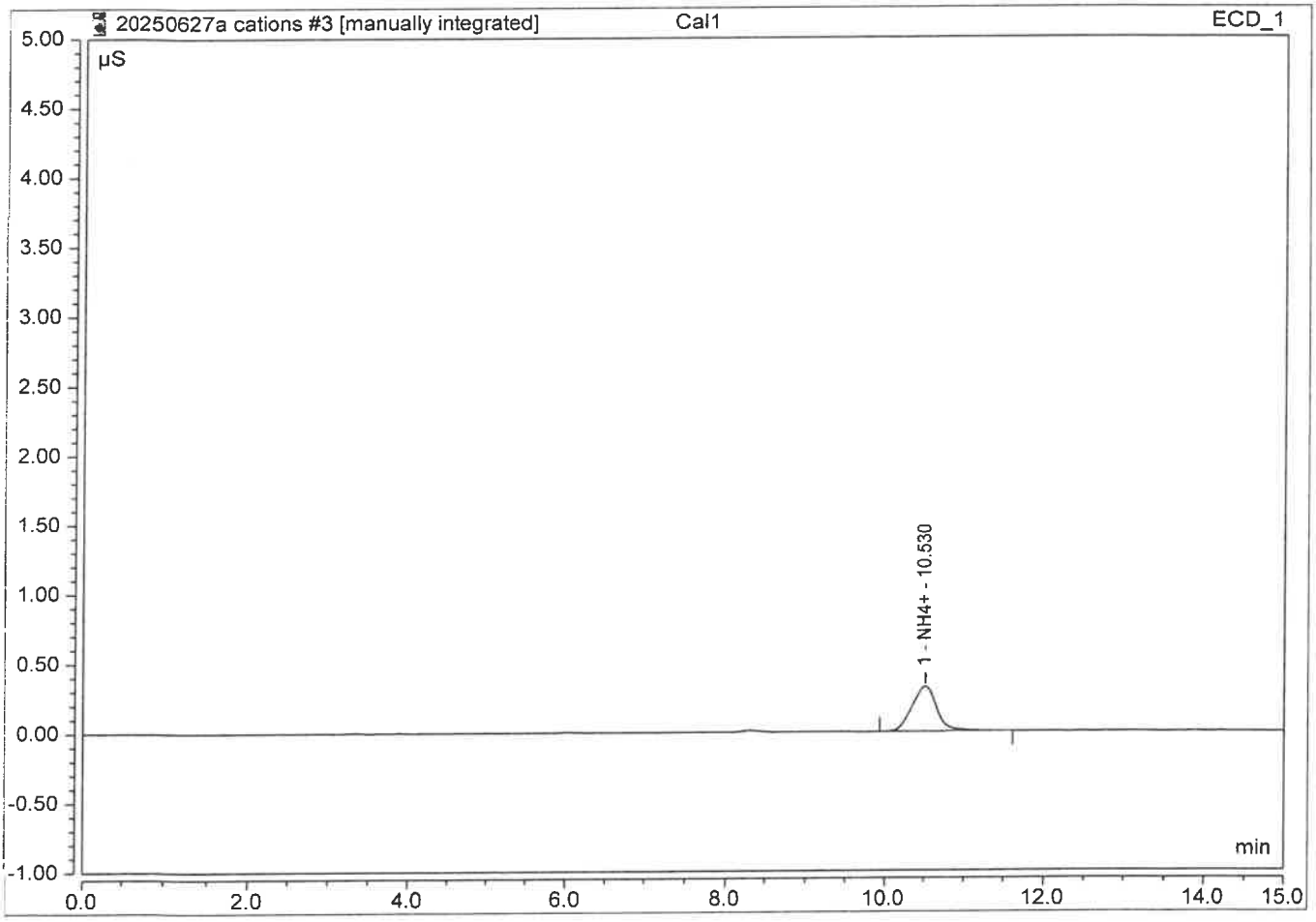
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**Cal1**	*Inj. Vol.:*	**50.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 12:59**	*Run Time:*	**15.00**

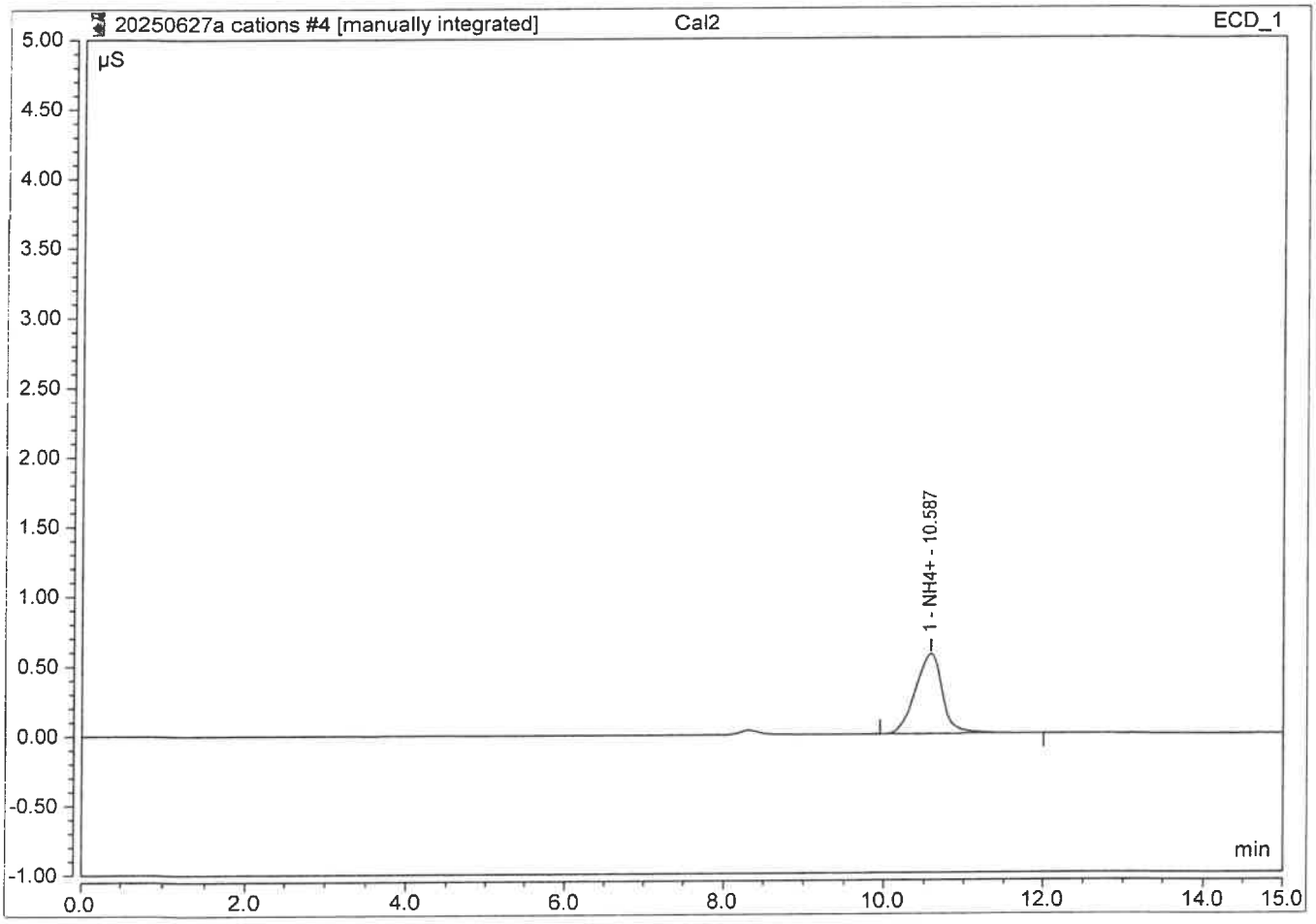
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.53	NH4+	BMB*	0.115	0.321	0.1919
		TOTAL:		0.12	0.32	0.19



Peak Integration Report

Sample Name:	**Cal2**	*Inj. Vol.:*	**50.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 13:18**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.59	NH4+	BMB*	0.225	0.572	0.3902
		TOTAL:		0.22	0.57	0.39



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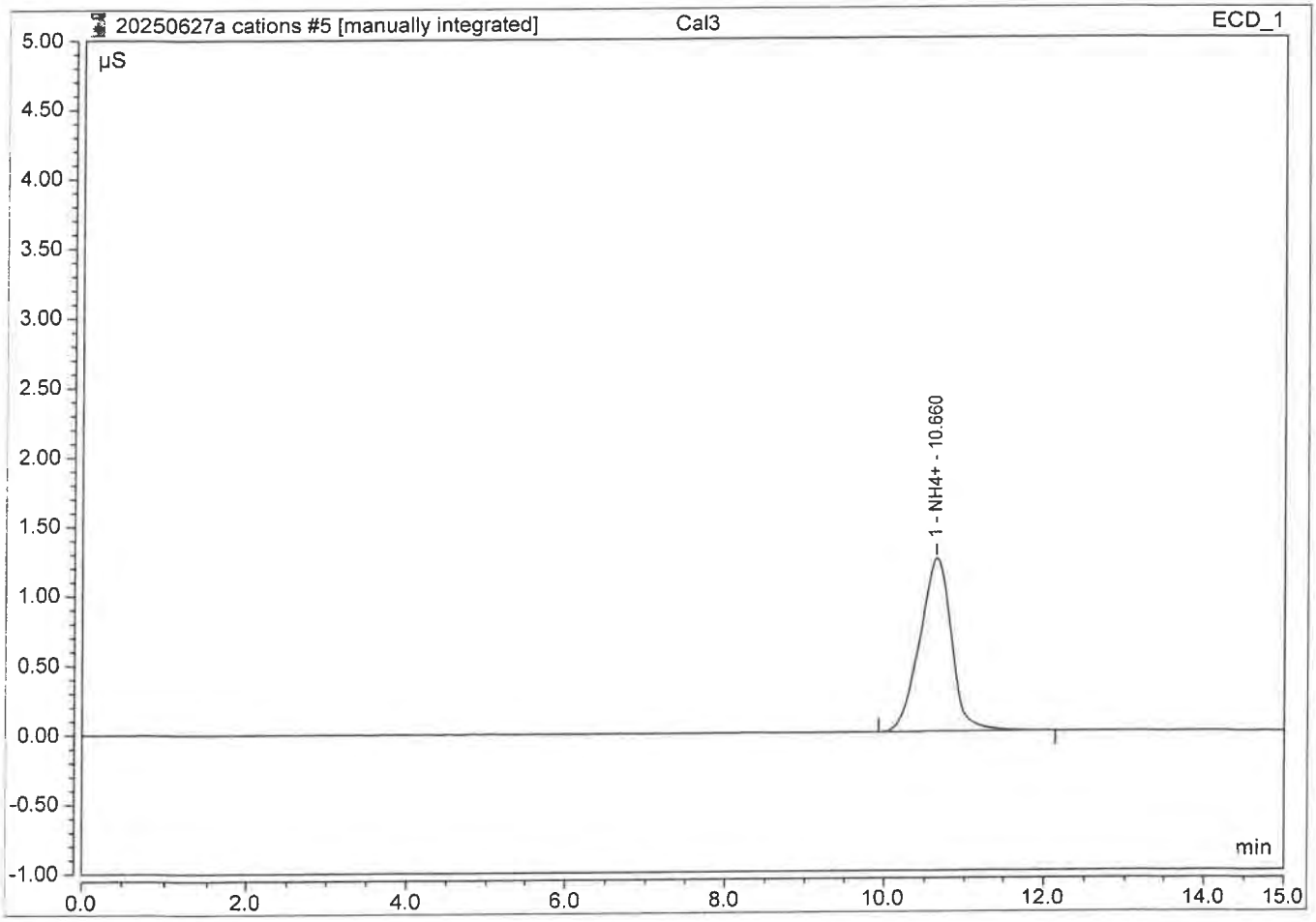
Peak Integration Report

Sample Name:	**Cal3**	*Inj. Vol.:*	**50.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 13:37**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.66	NH4+	BMB*	0.568	1.247	1.0405
		TOTAL:		0.57	1.25	1.04



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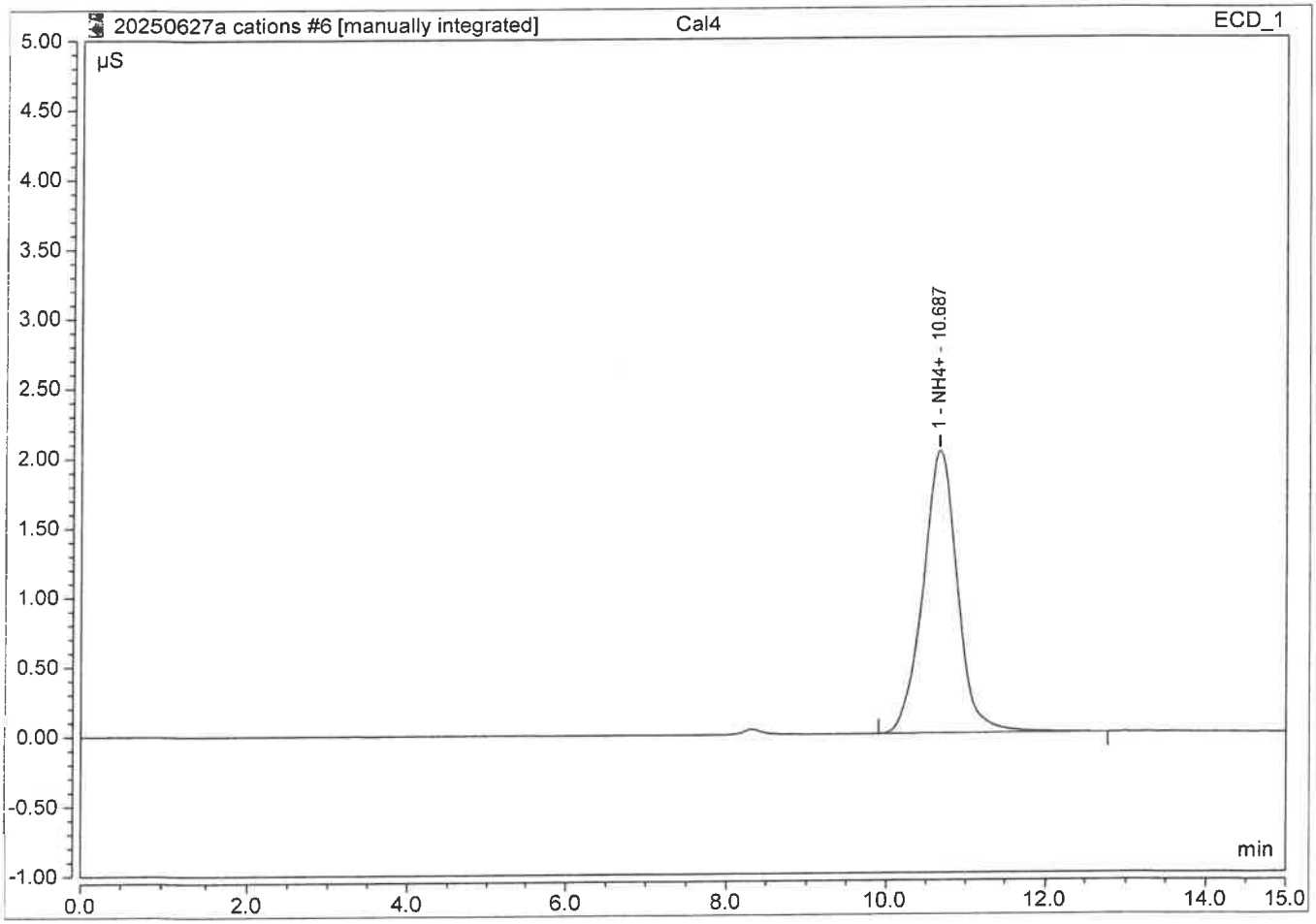
Peak Integration Report

Sample Name:	**Cal4**	*Inj. Vol.:*	**50.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 13:55**	*Run Time:*	**15.00**

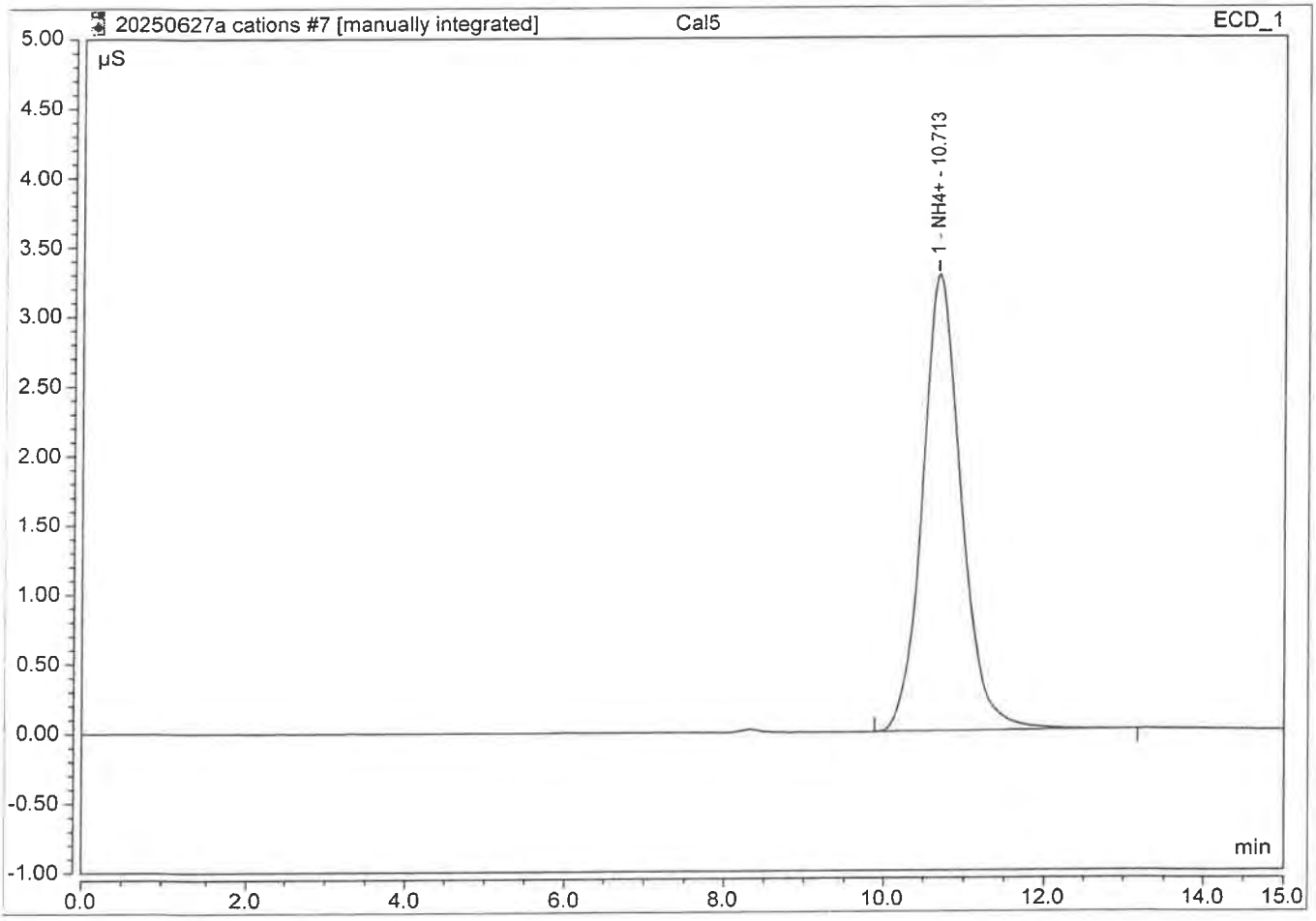
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.69	NH4+	BMB*	1.017	2.032	1.9721
		TOTAL:		1.02	2.03	1.97



Peak Integration Report

Sample Name:	**Cal5**	*Inj. Vol.:*	**50.00**
Injection Type:	**Calibration Standard**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 14:14**	*Run Time:*	**15.00**

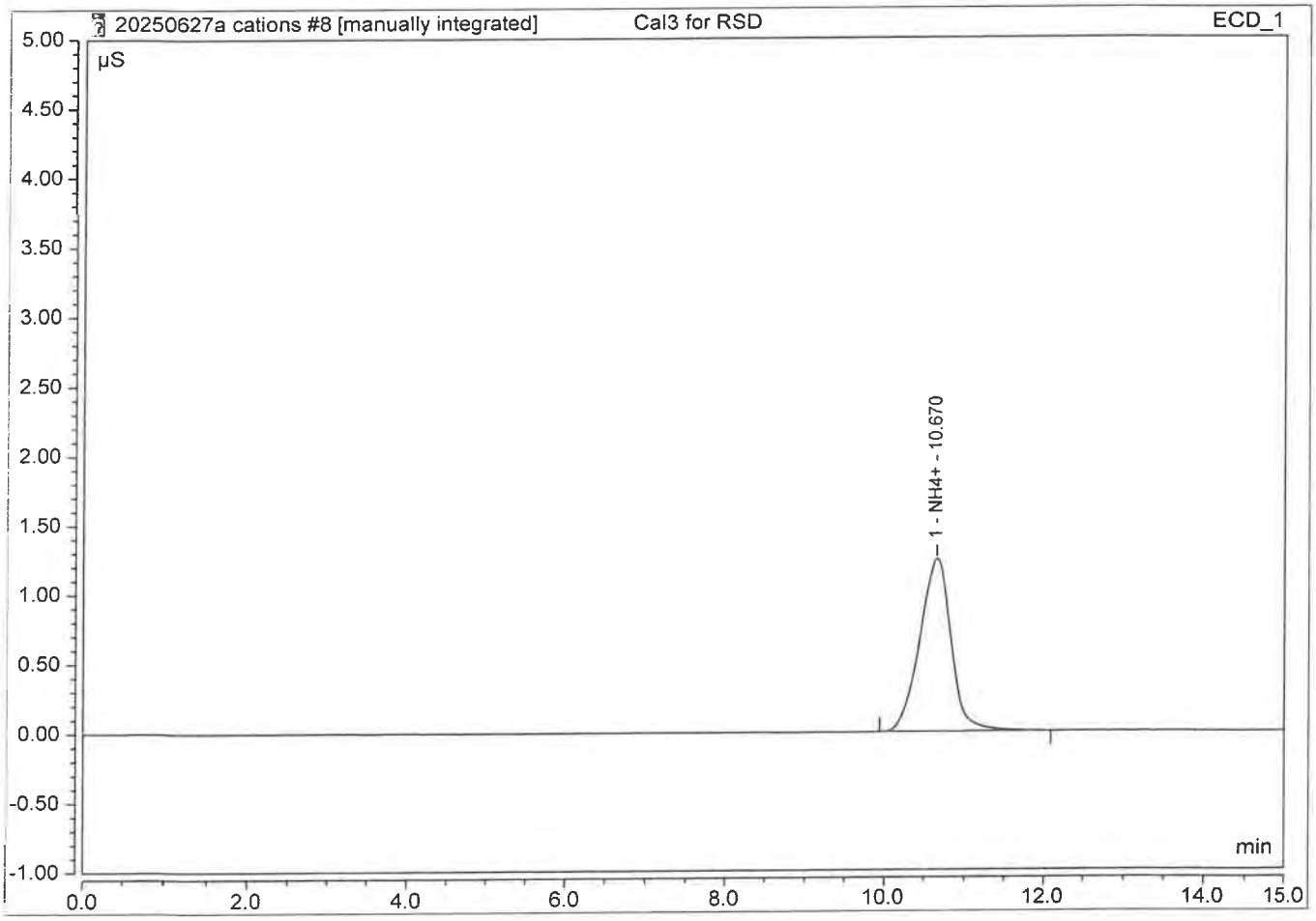
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.71	NH4+	BMB*	1.822	3.286	4.0058
		TOTAL:		1.82	3.29	4.01



Peak Integration Report

Sample Name:	**Cal3 for RSD**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 14:33**	*Run Time:*	**15.00**

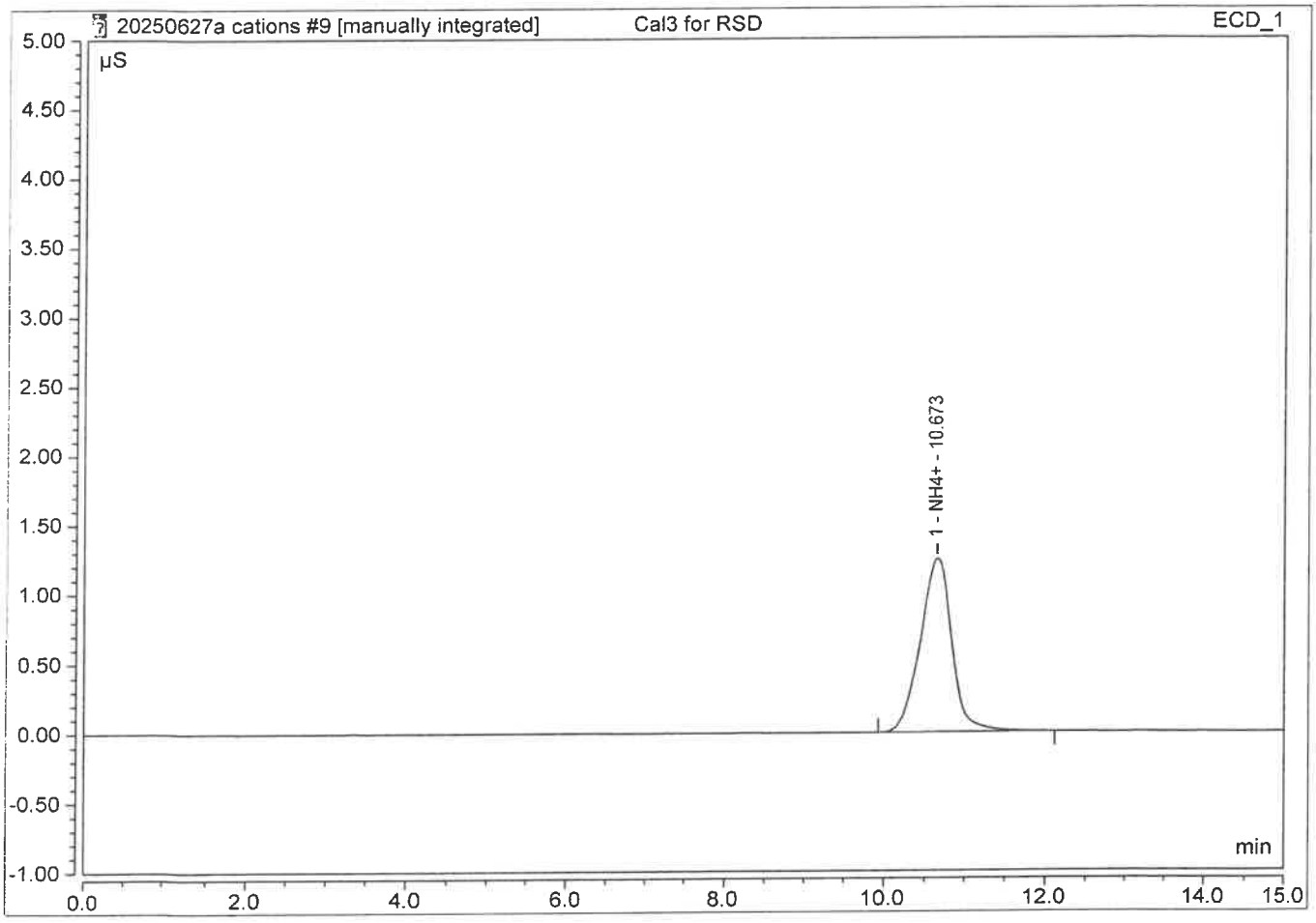
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.67	NH4+	BMB*	0.560	1.244	1.0251
		TOTAL:		0.56	1.24	1.03



Peak Integration Report

Sample Name:	**Cal3 for RSD**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 14:52**	*Run Time:*	**15.00**

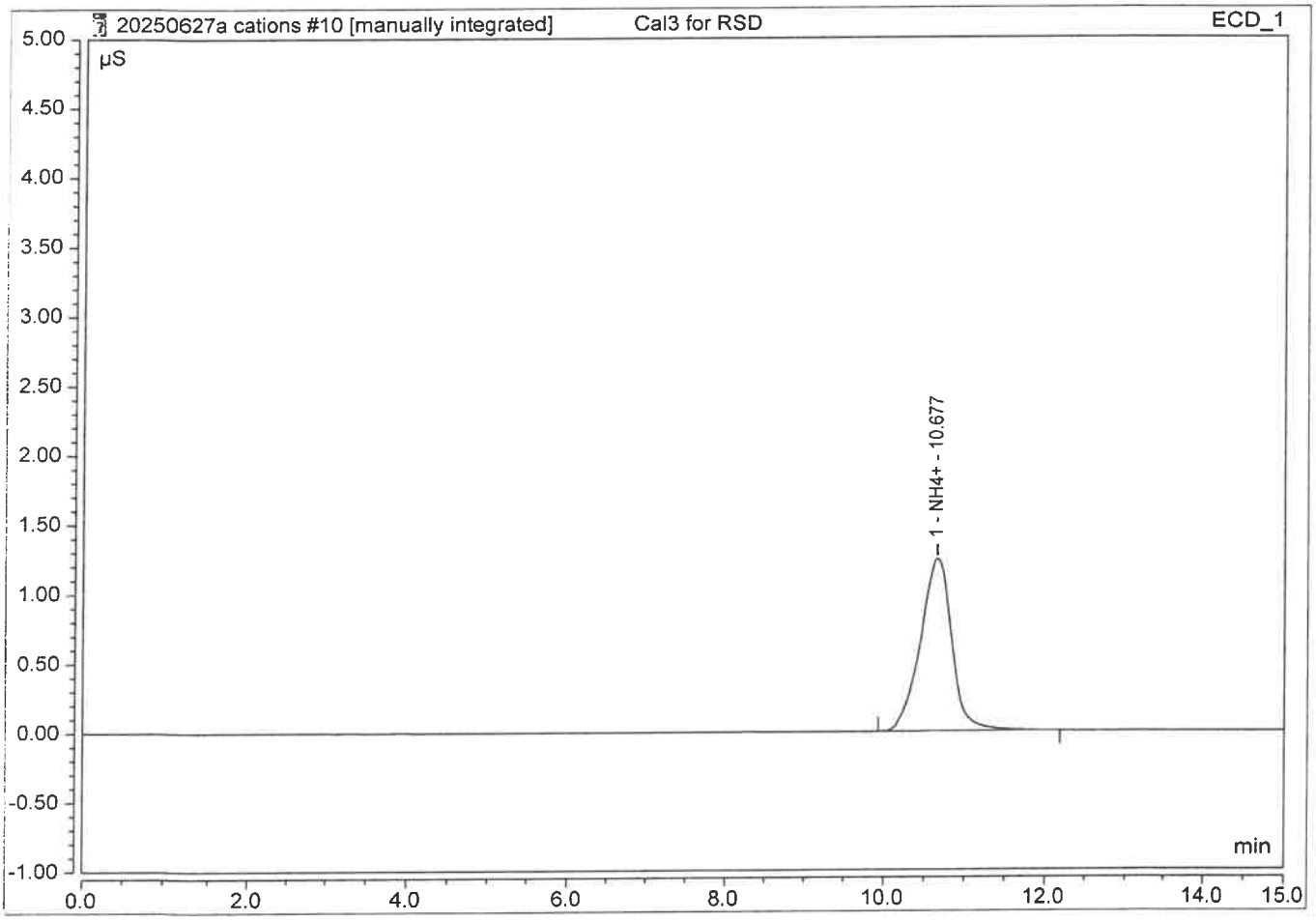
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.67	NH4+	BMB*	0.567	1.247	1.0398
		TOTAL:		0.57	1.25	1.04



Peak Integration Report

Sample Name:	**Cal3 for RSD**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 15:10**	*Run Time:*	**15.00**

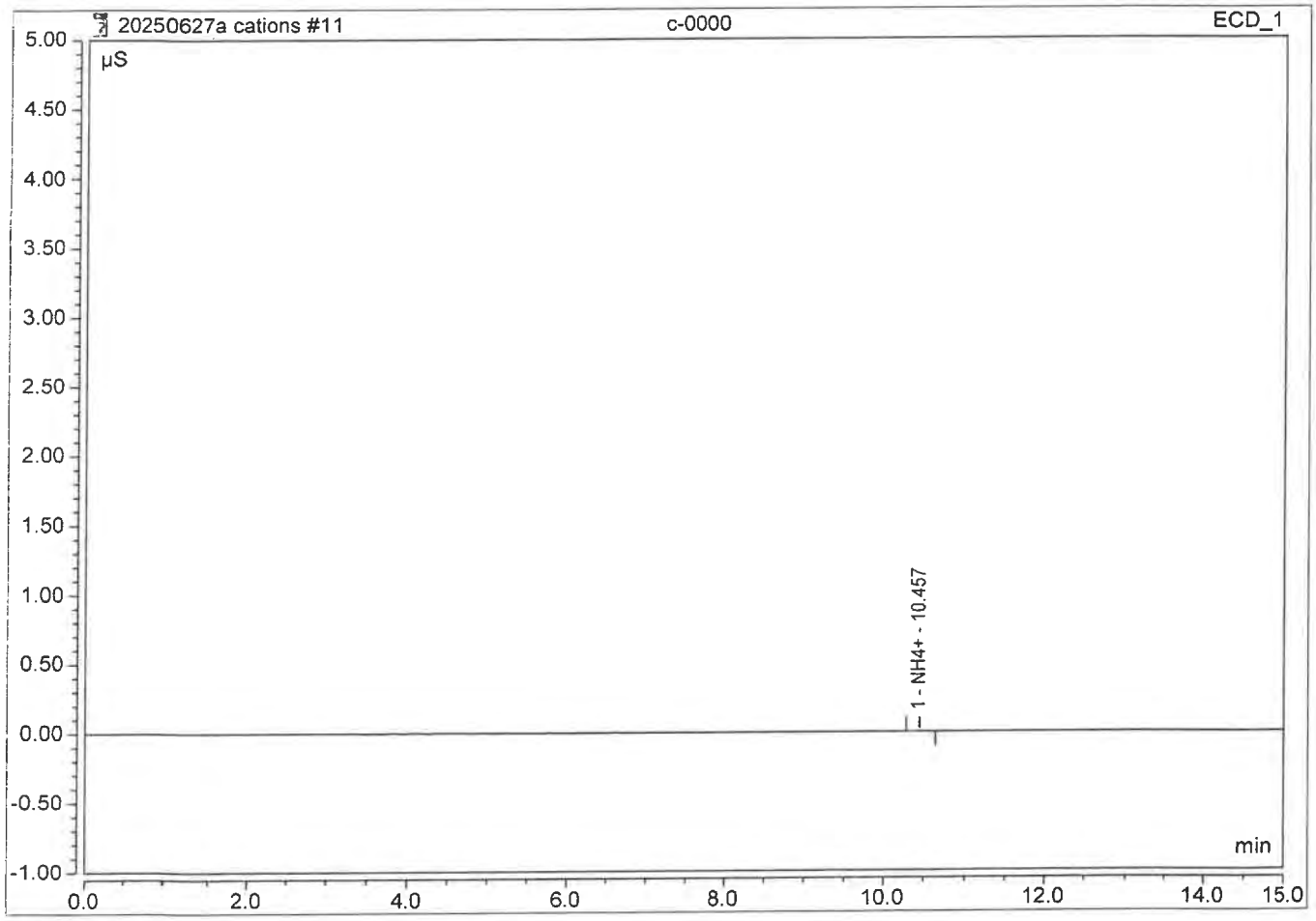
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.68	NH4+	BMB*	0.561	1.240	1.0280
		TOTAL:		0.56	1.24	1.03



Peak Integration Report

Sample Name:	**c-0000**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 15:29**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.46	NH4+	BMB	0.000	0.001	n.a.
		TOTAL:		0.00	0.00	0.00

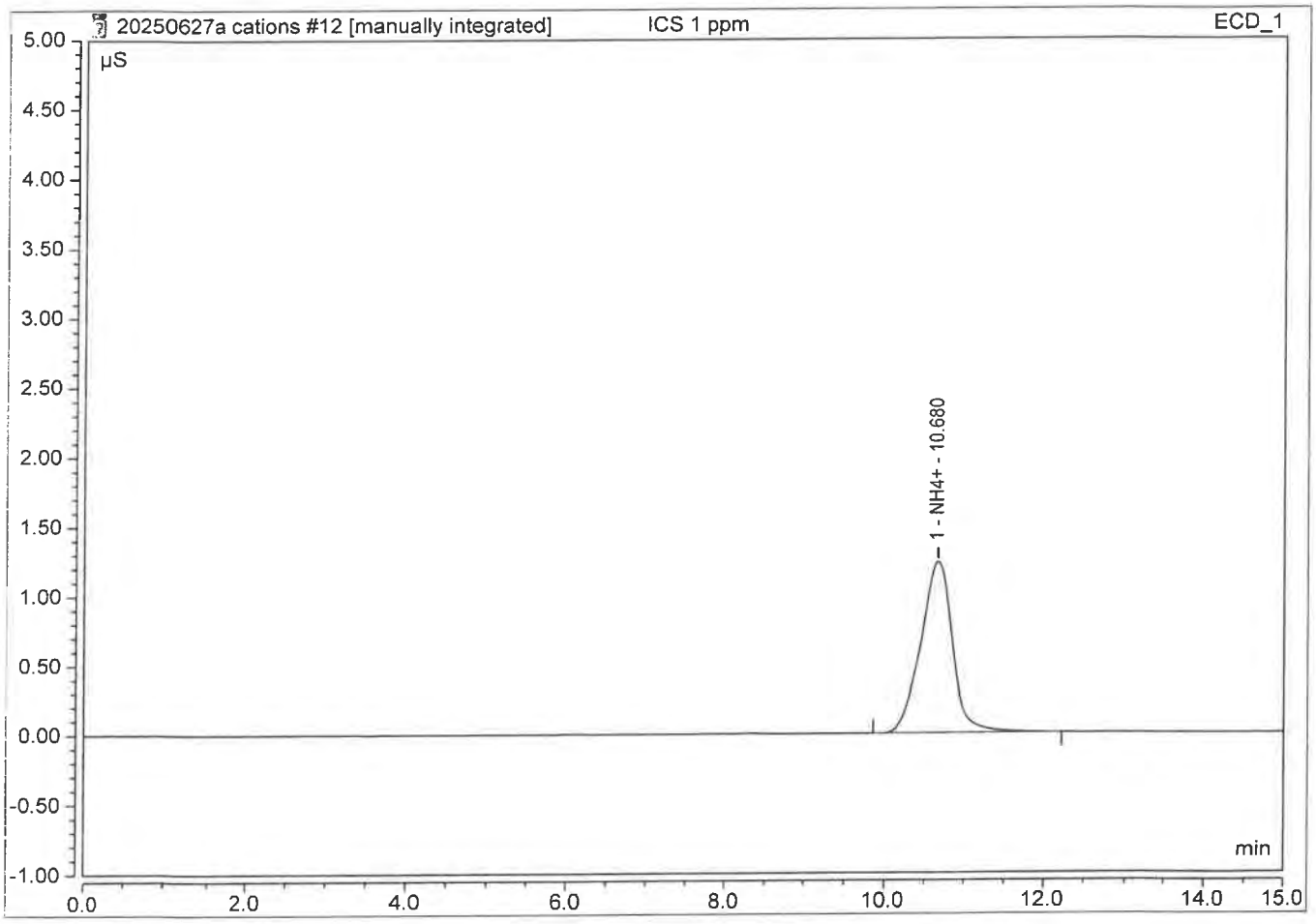


Chromeleon (c) Dionex 1996-2009
Version 7.2.10.24543

Peak Integration Report

Sample Name:	**ICS 1 ppm**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 15:48**	*Run Time:*	**15.00**

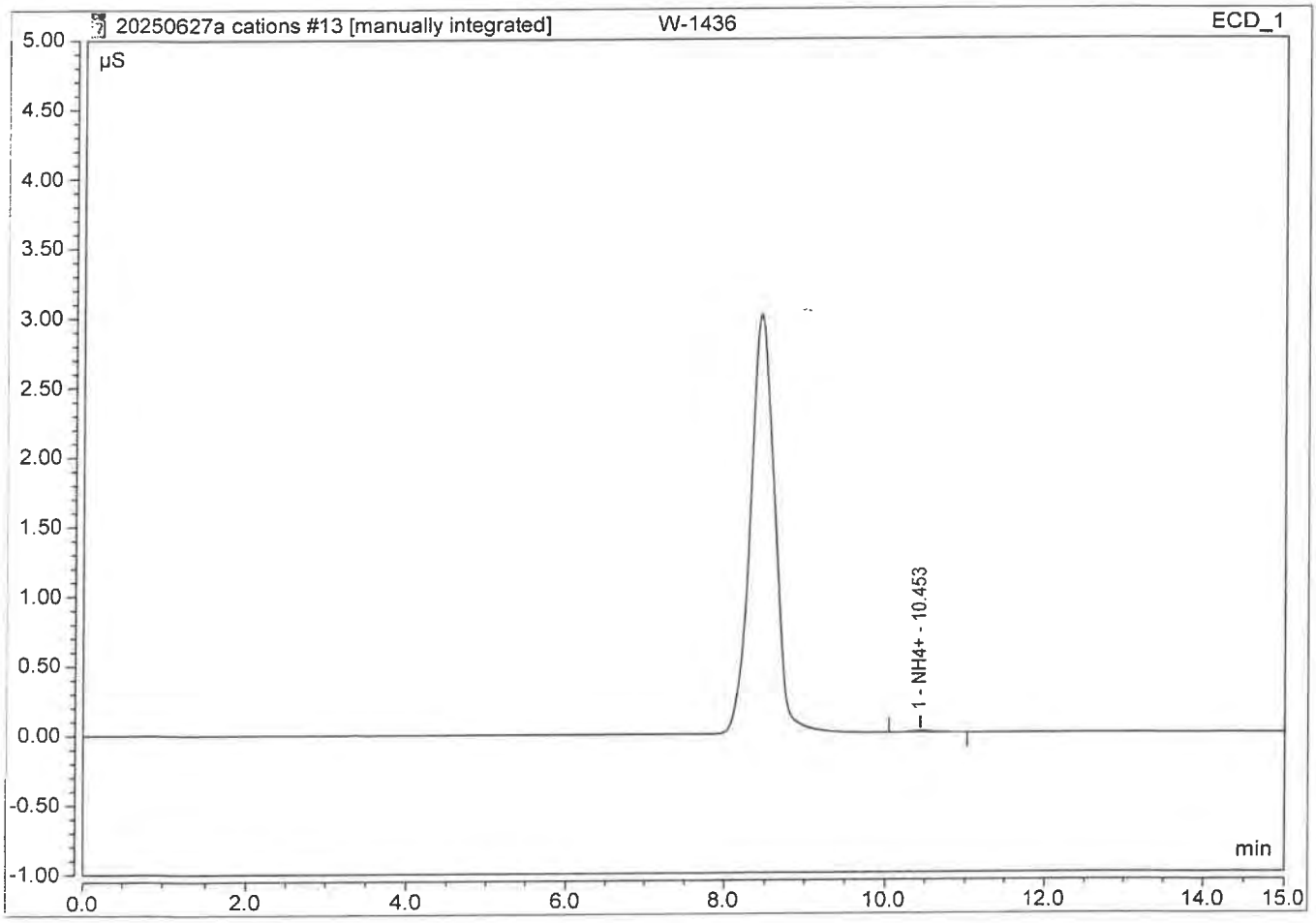
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.68	NH4+	BMB*	0.572	1.236	1.0495
		TOTAL:		0.57	1.24	1.05



Peak Integration Report

Sample Name:	**W-1436**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 16:22**	*Run Time:*	**15.00**

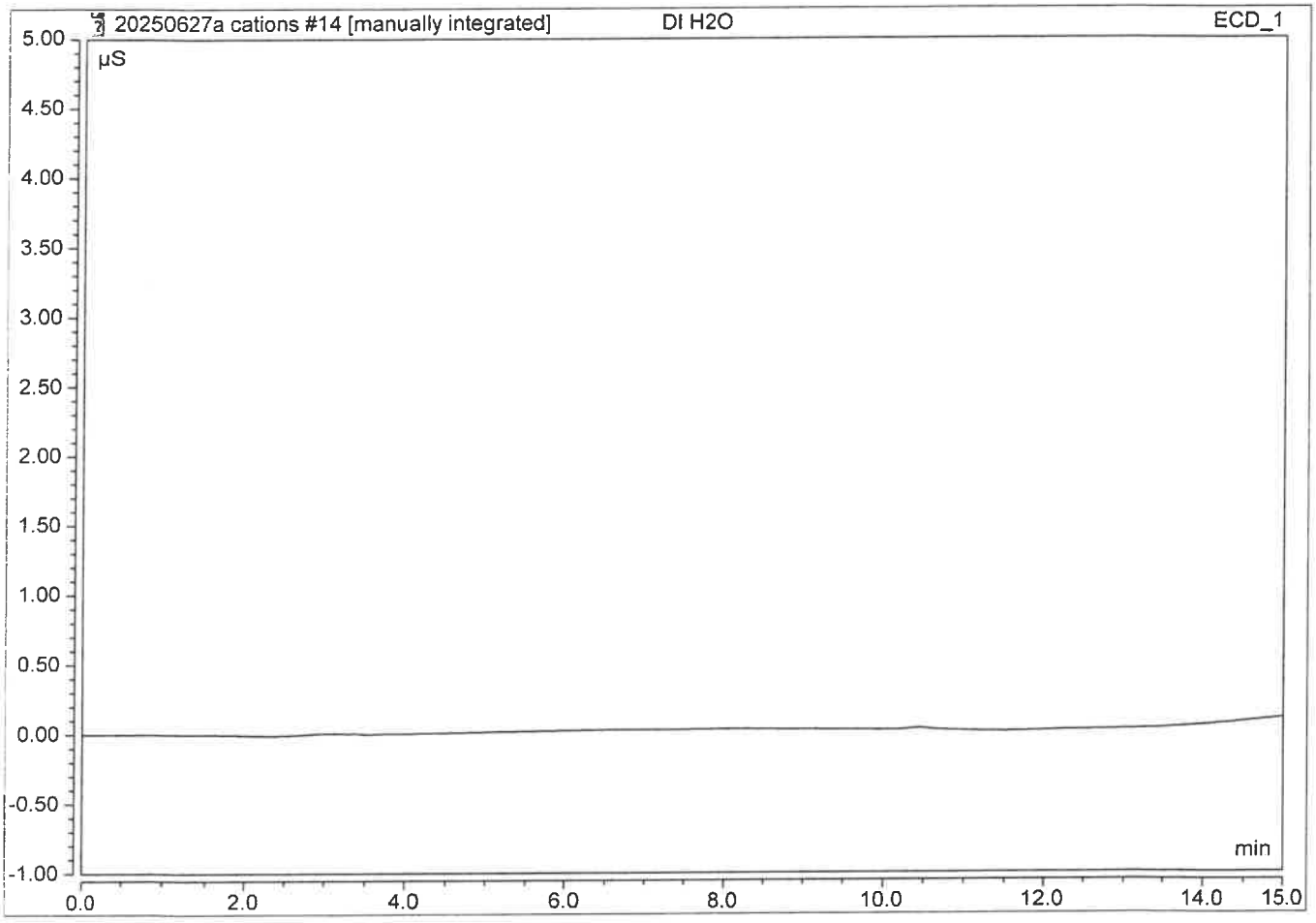
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.45	NH4+	BMB*	0.004	0.012	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 16:40**	*Run Time:*	**15.00**

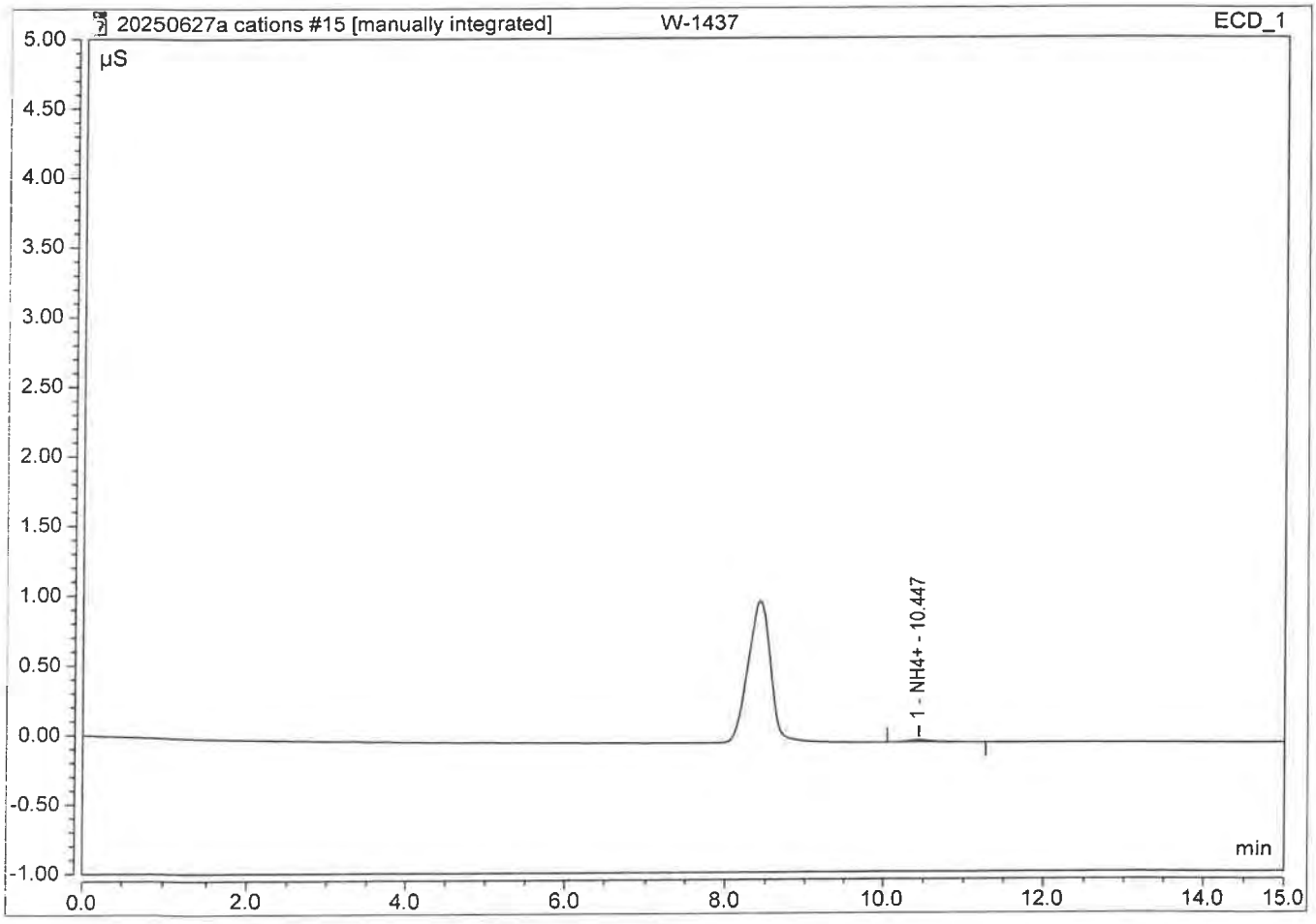
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1437**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 16:59**	*Run Time:*	**15.00**

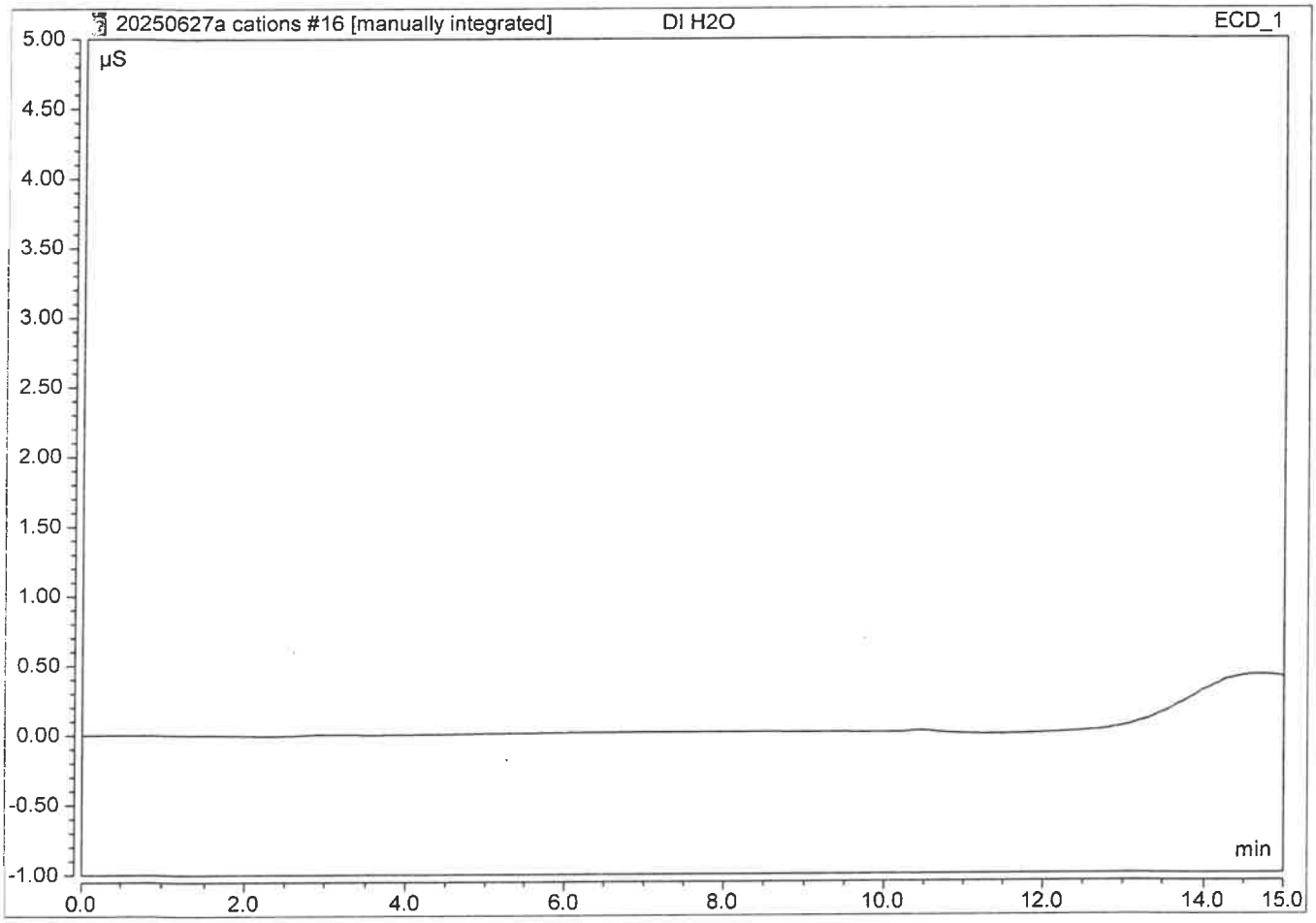
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.45	NH4+	BMB	0.005	0.016	n.a.
		TOTAL:		0.01	0.02	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 17:18**	*Run Time:*	**15.00**

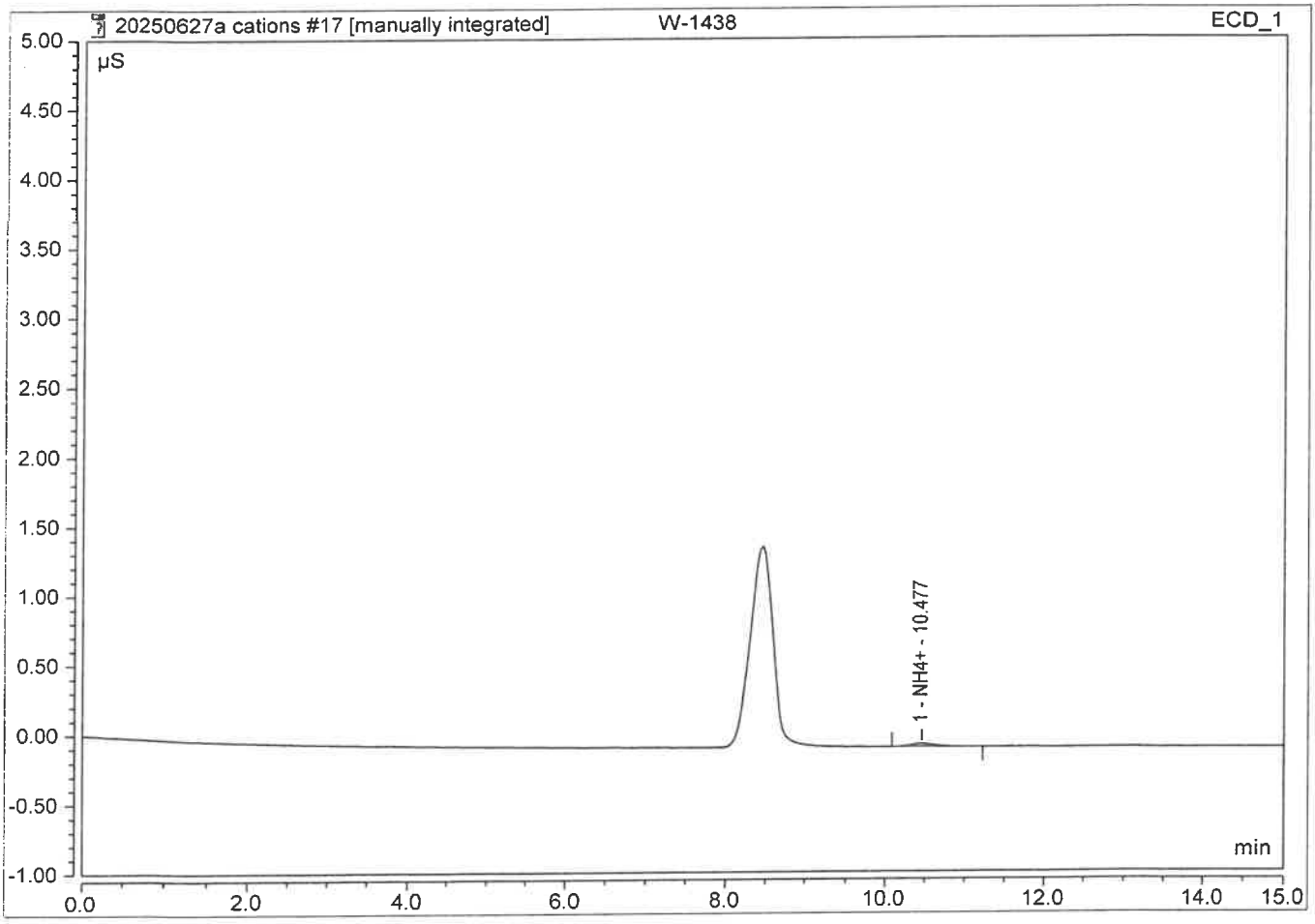
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1438**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 17:37**	*Run Time:*	**15.00**

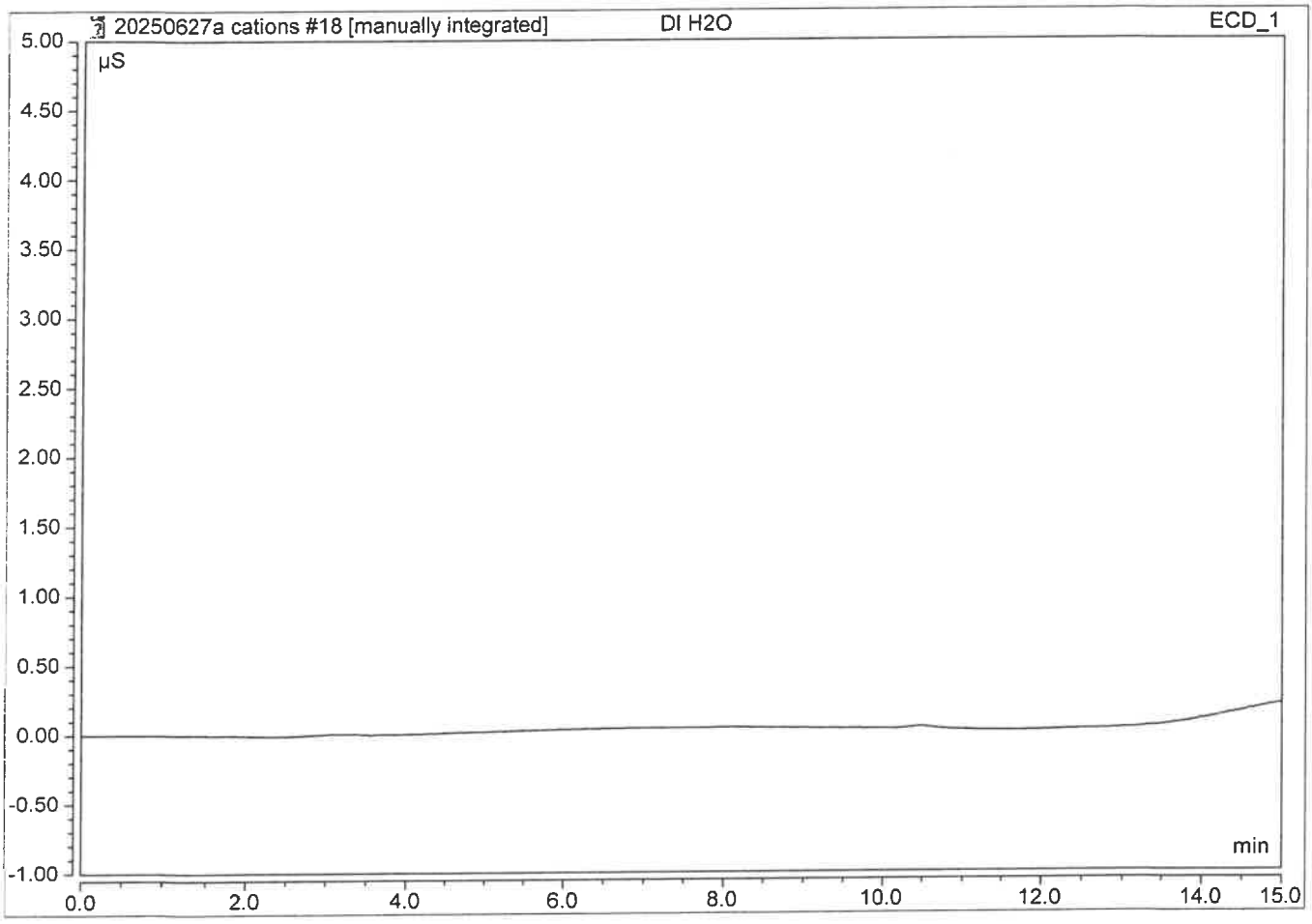
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.48	NH4+	BMB	0.007	0.022	0.0002
		TOTAL:		0.01	0.02	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 17:55**	*Run Time:*	**15.00**

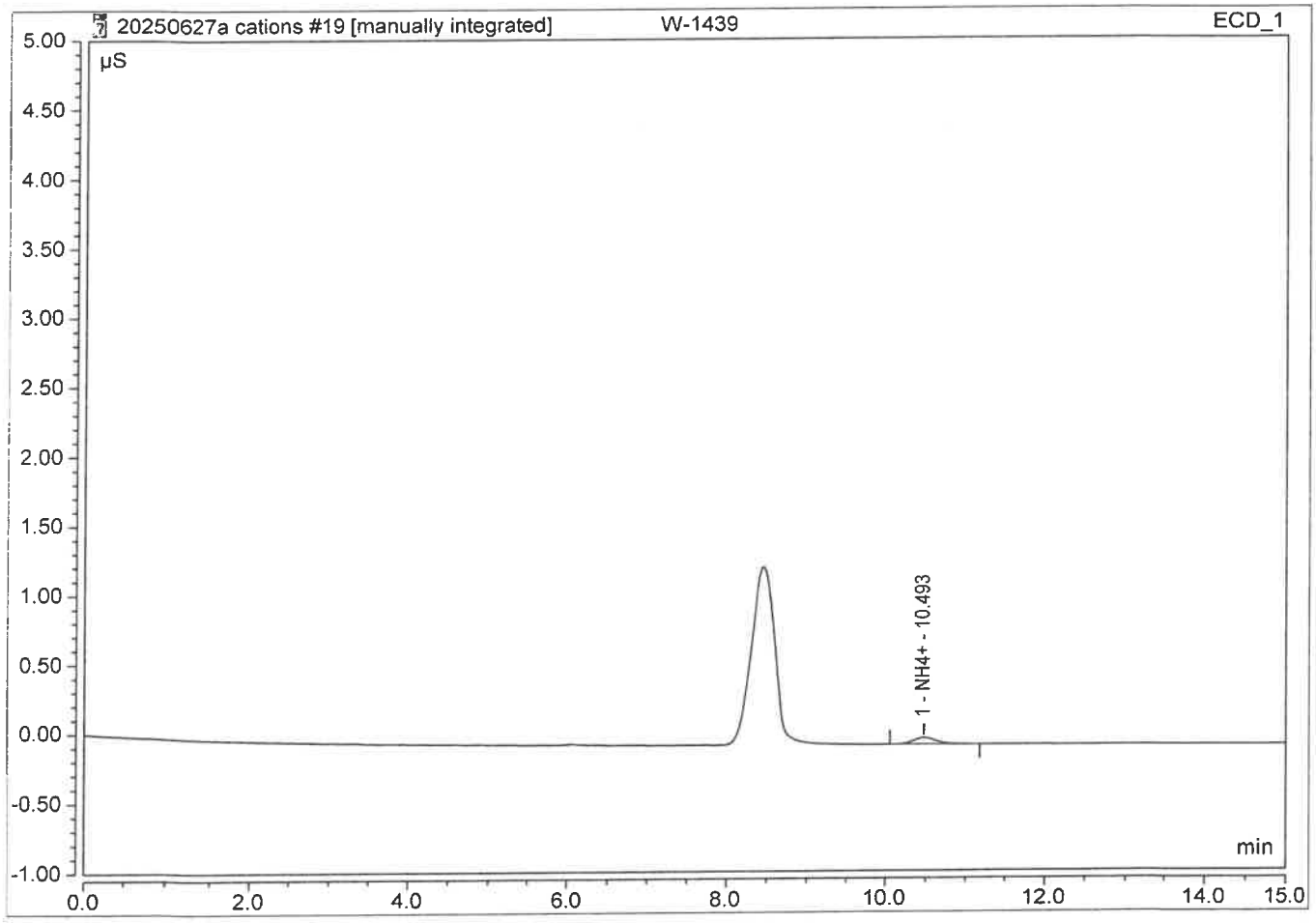
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1439**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 18:14**	*Run Time:*	**15.00**

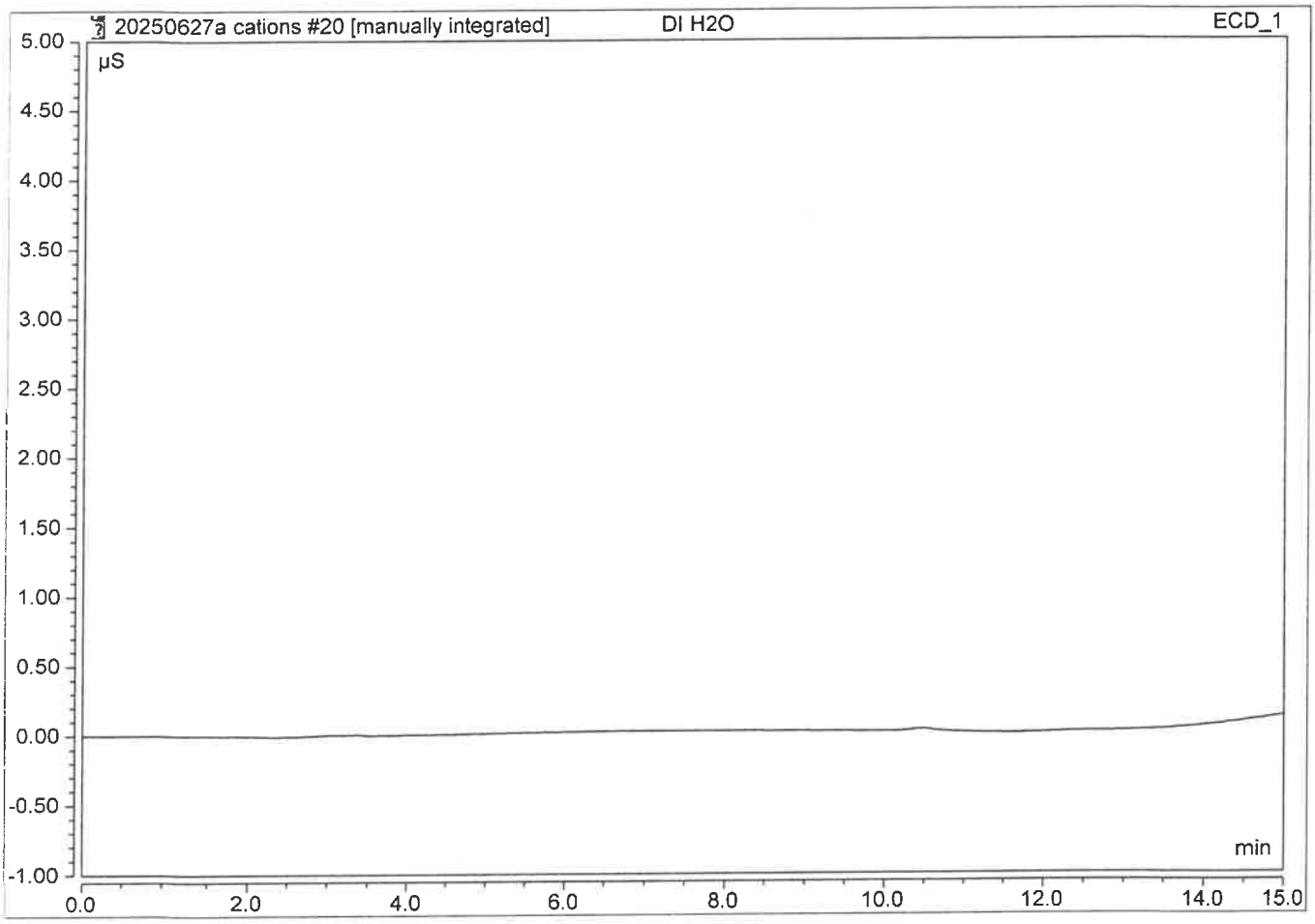
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB	0.016	0.048	0.0153
		TOTAL:		0.02	0.05	0.02



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 18:33**	*Run Time:*	**15.00**

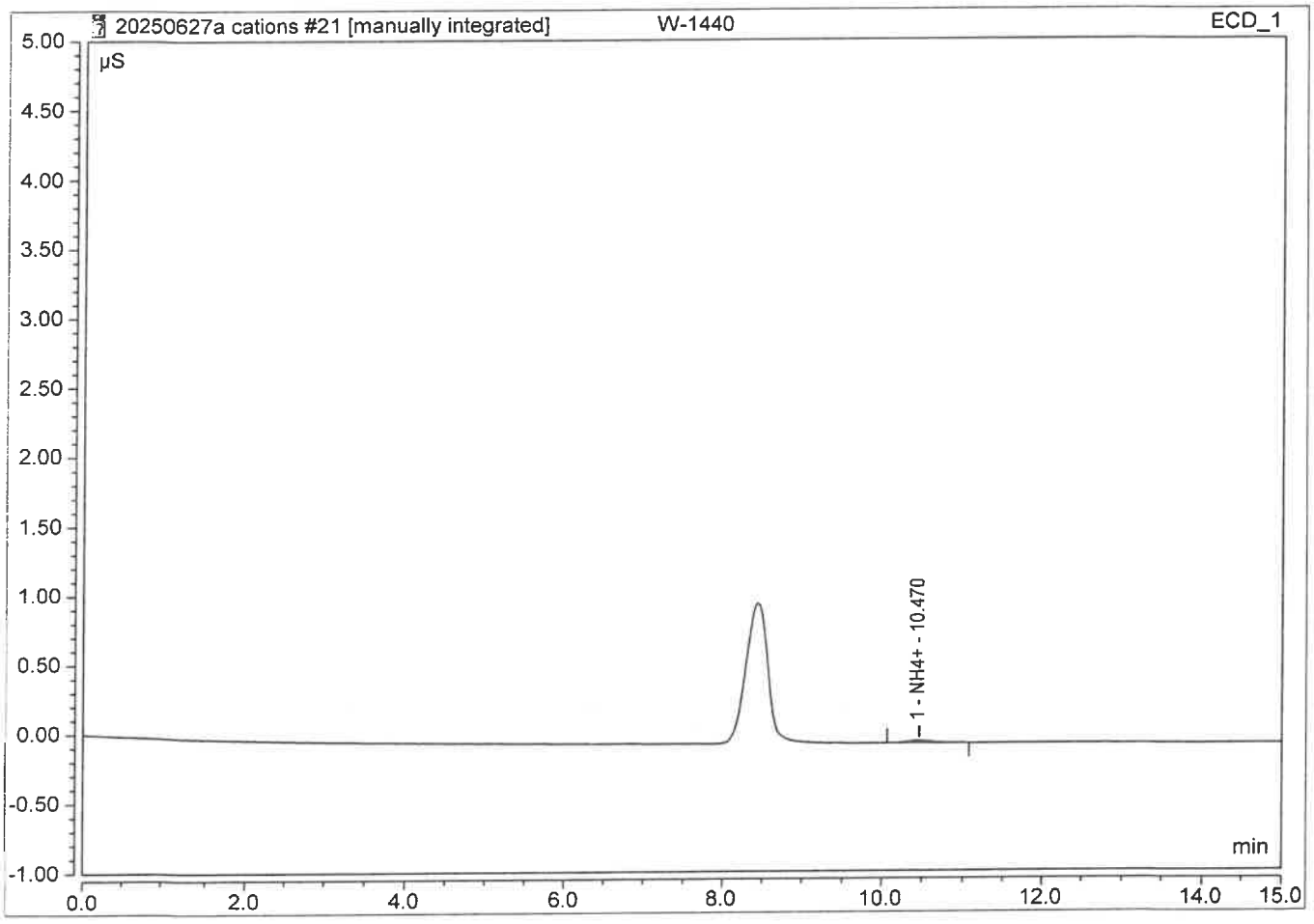
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1440**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 18:52**	*Run Time:*	**15.00**

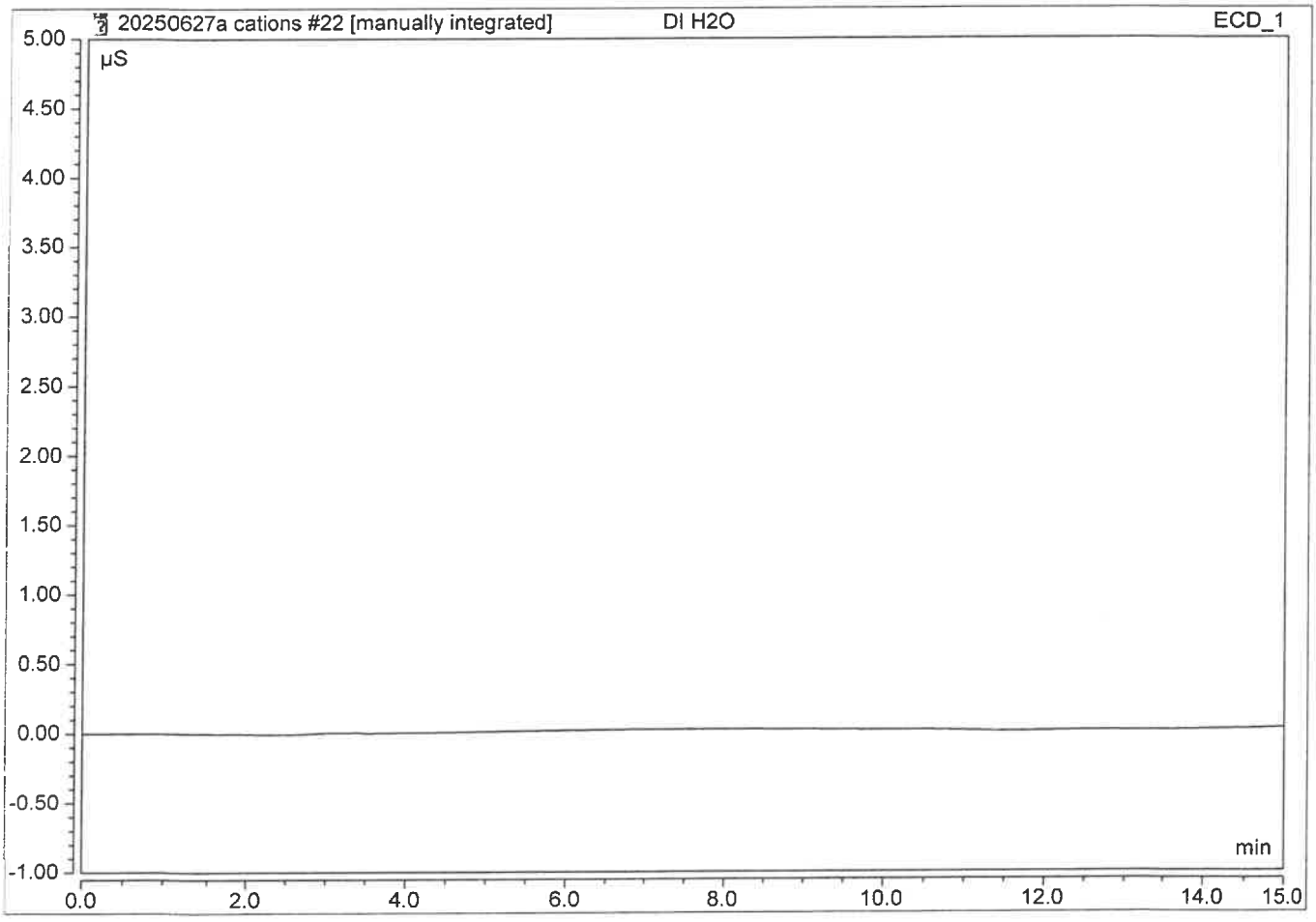
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.47	NH4+	BMB	0.005	0.017	n.a.
		TOTAL:		0.01	0.02	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 19:10**	*Run Time:*	**15.00**

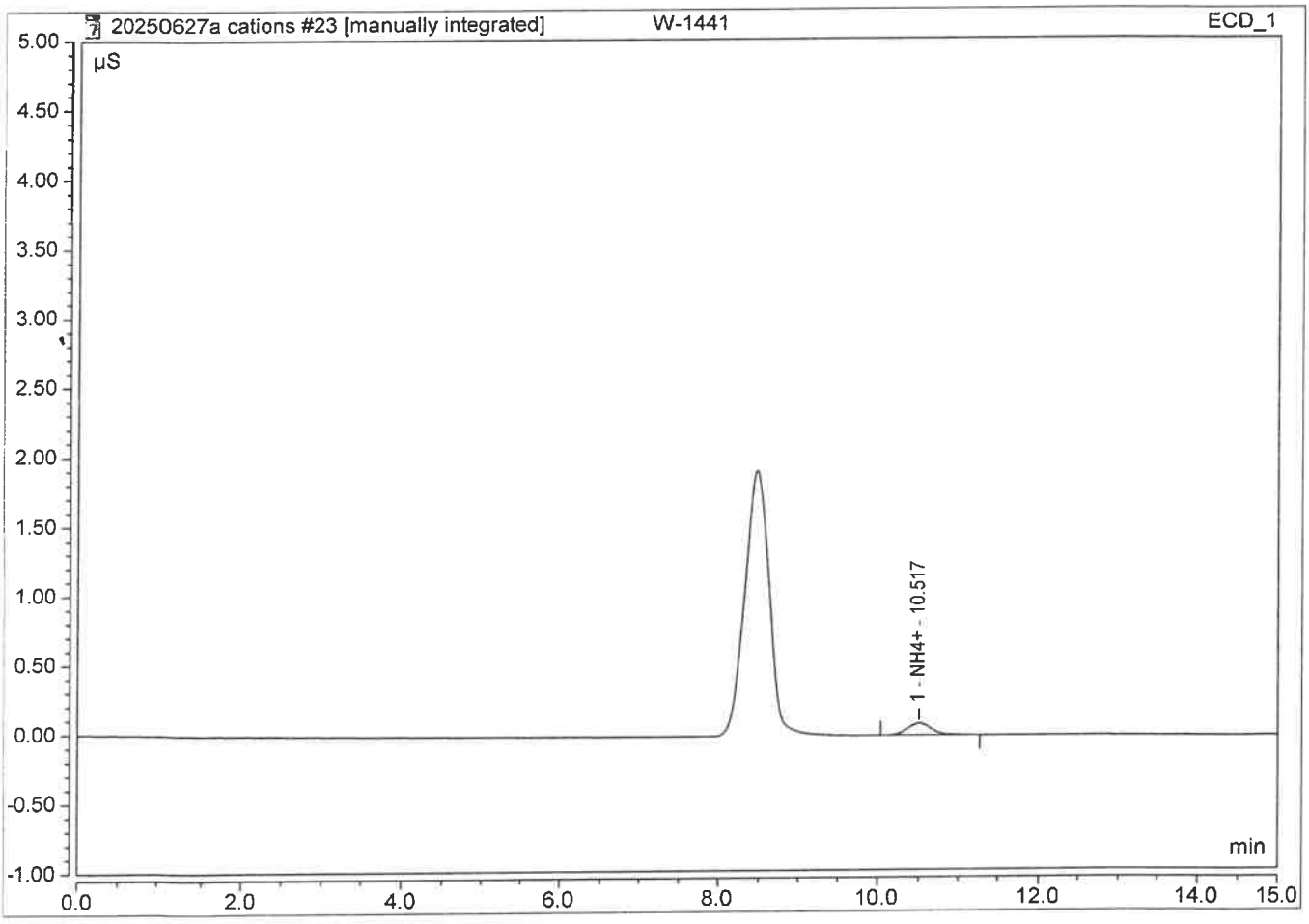
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1441**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 19:29**	*Run Time:*	**15.00**

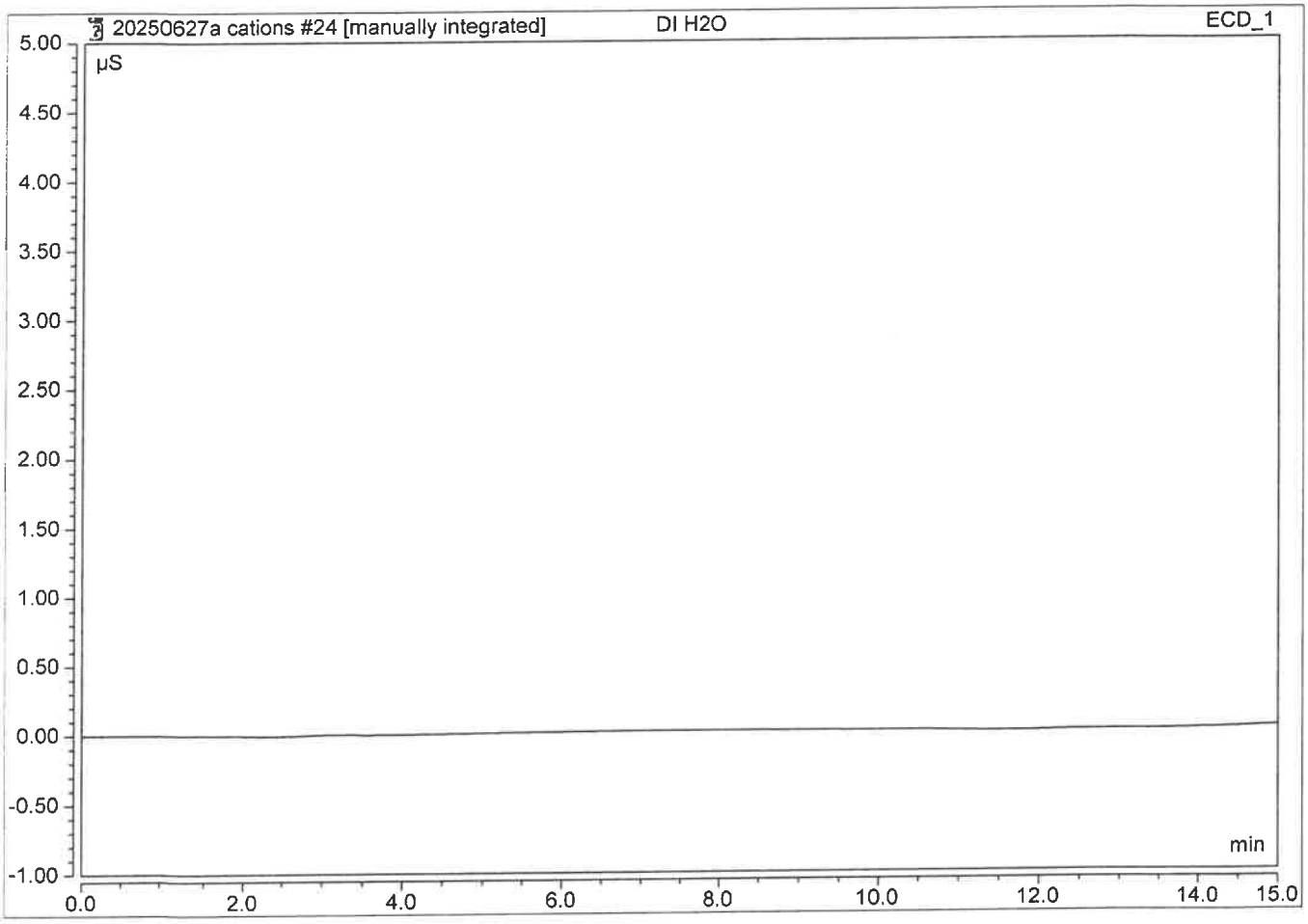
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.52	NH4+	BMB*	0.030	0.085	0.0398
		TOTAL:		0.03	0.09	0.04



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 19:48**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00

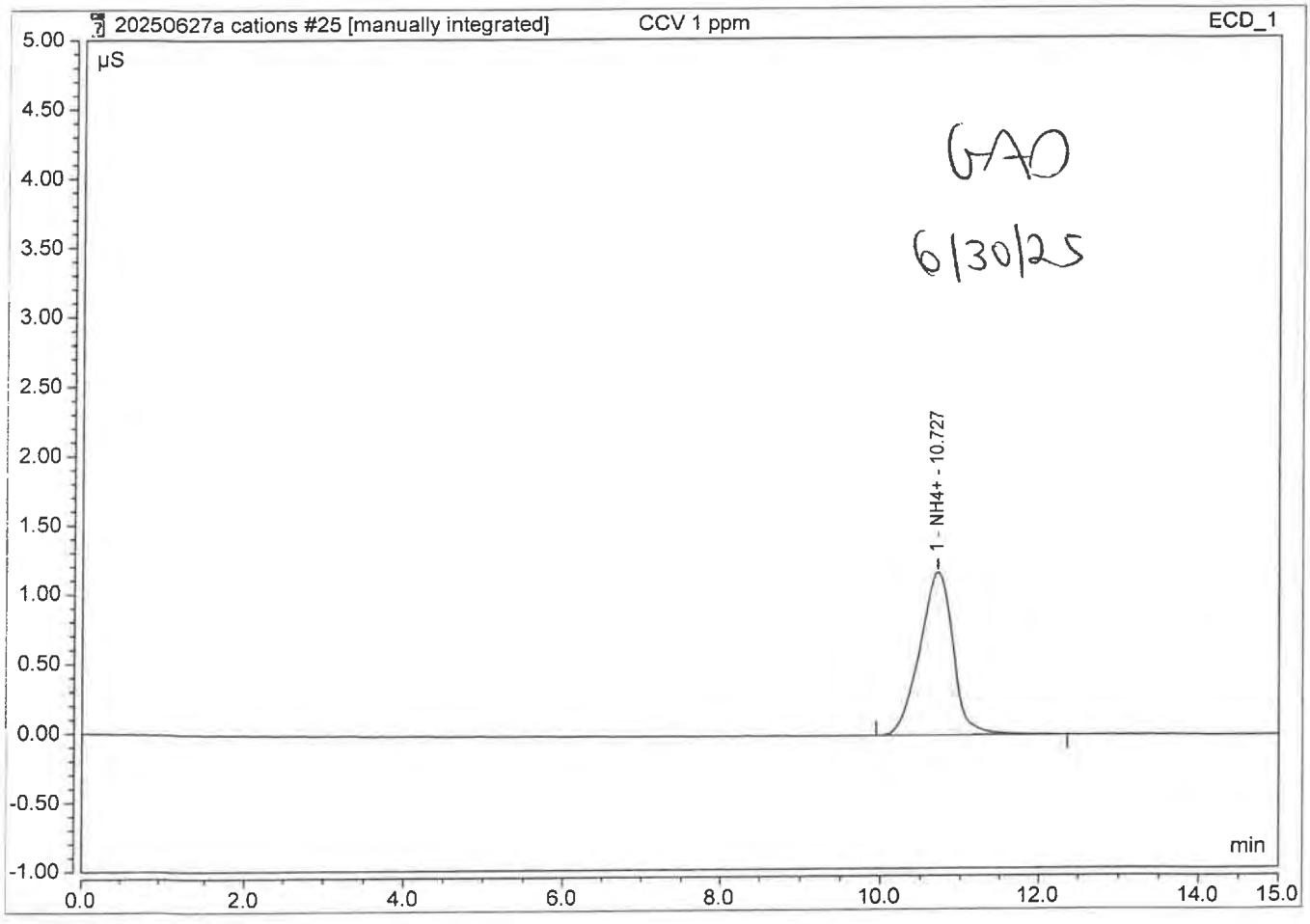


Peak Integration Report

Sample Name:	**CCV 1 ppm**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 20:06**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.73	NH4+	BMB*	0.564	1.174	1.0340
		TOTAL:		0.56	1.17	1.03

103.400 ml

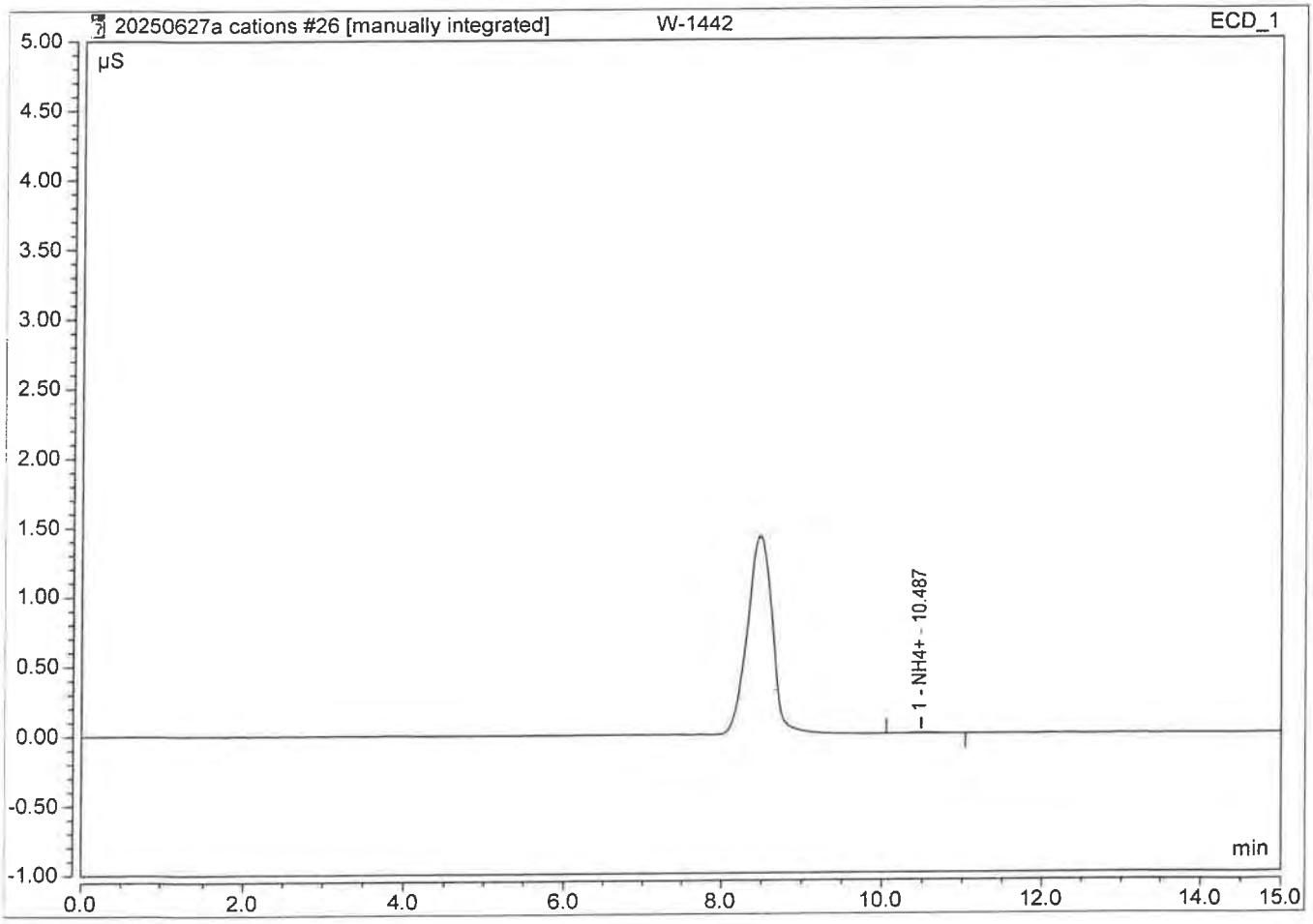


GAO
6/30/25

Peak Integration Report

Sample Name:	**W-1442**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 20:25**	*Run Time:*	**15.00**

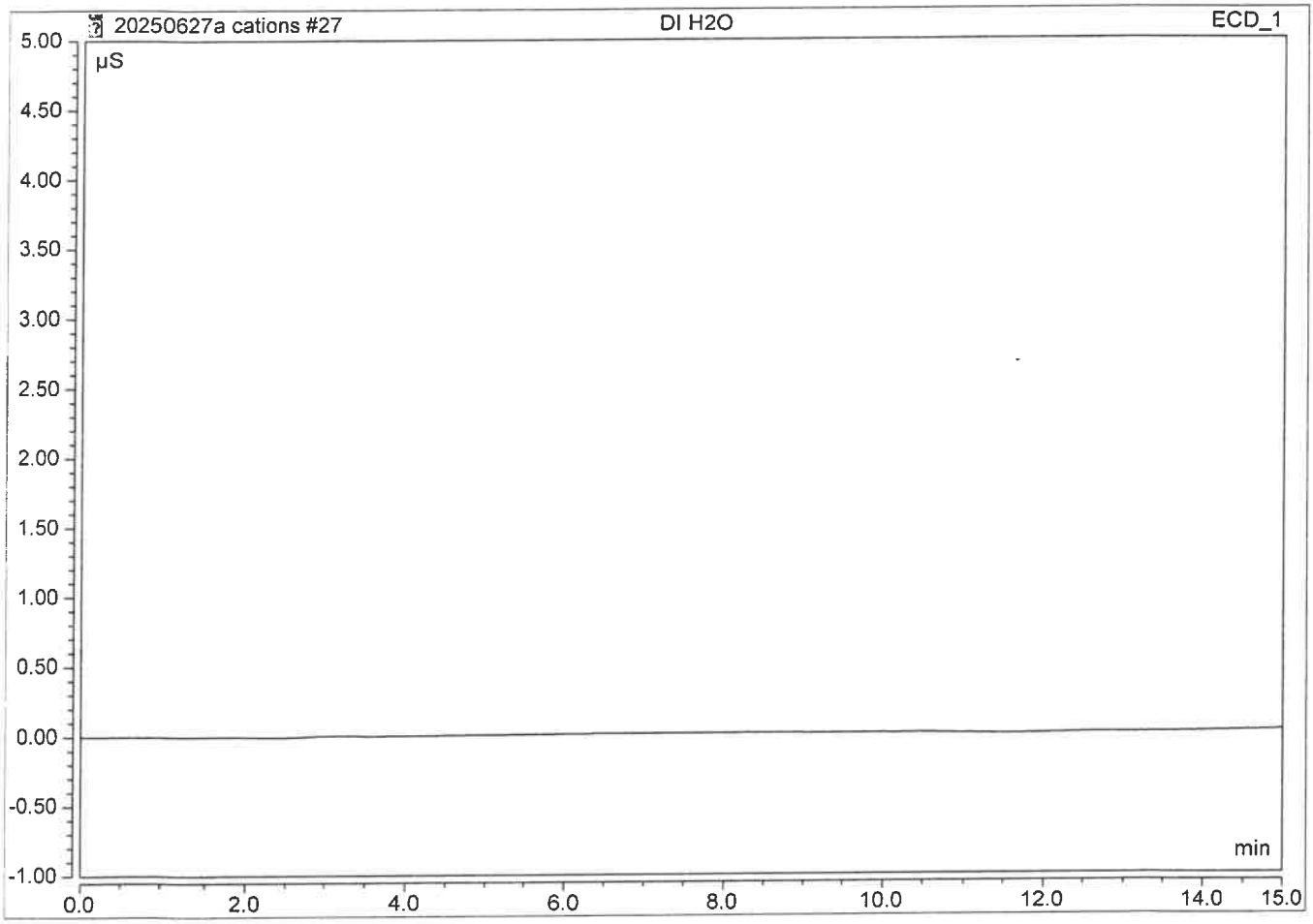
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB	0.002	0.006	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 20:44**	*Run Time:*	**15.00**

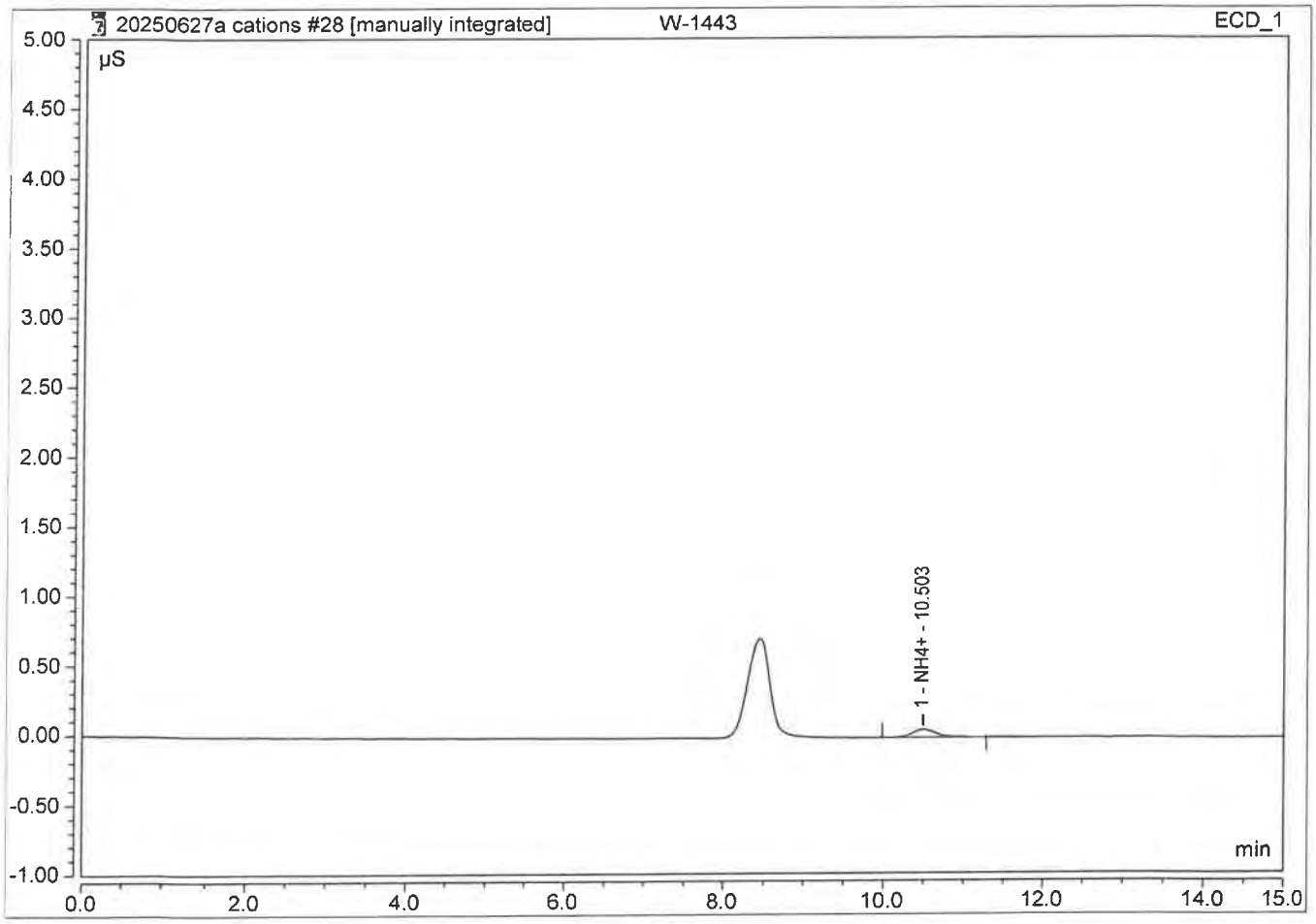
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1443**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 21:02**	*Run Time:*	**15.00**

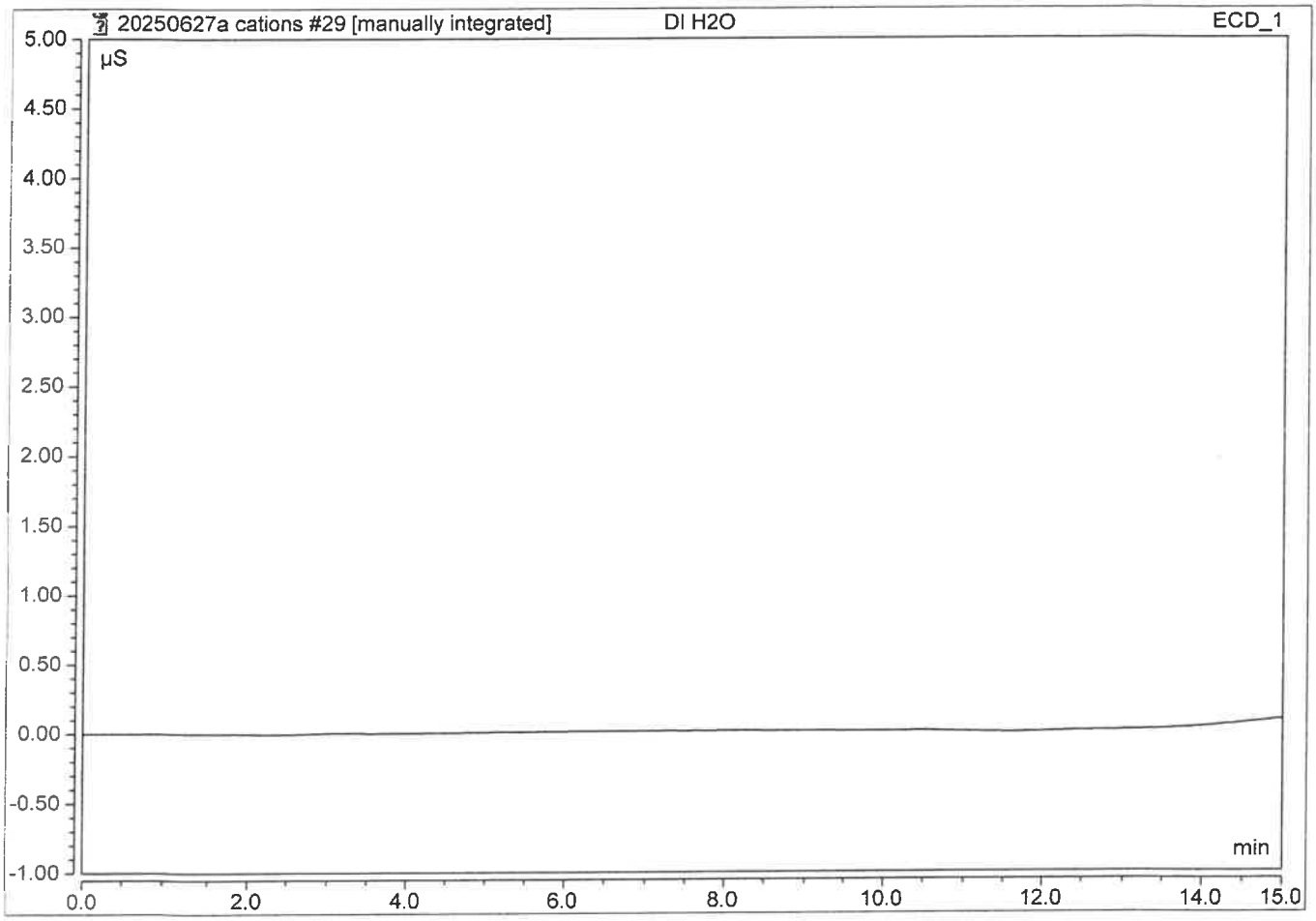
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.50	NH4+	BM *	0.020	0.057	0.0221
		TOTAL:		0.02	0.06	0.02



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 21:21**	*Run Time:*	**15.00**

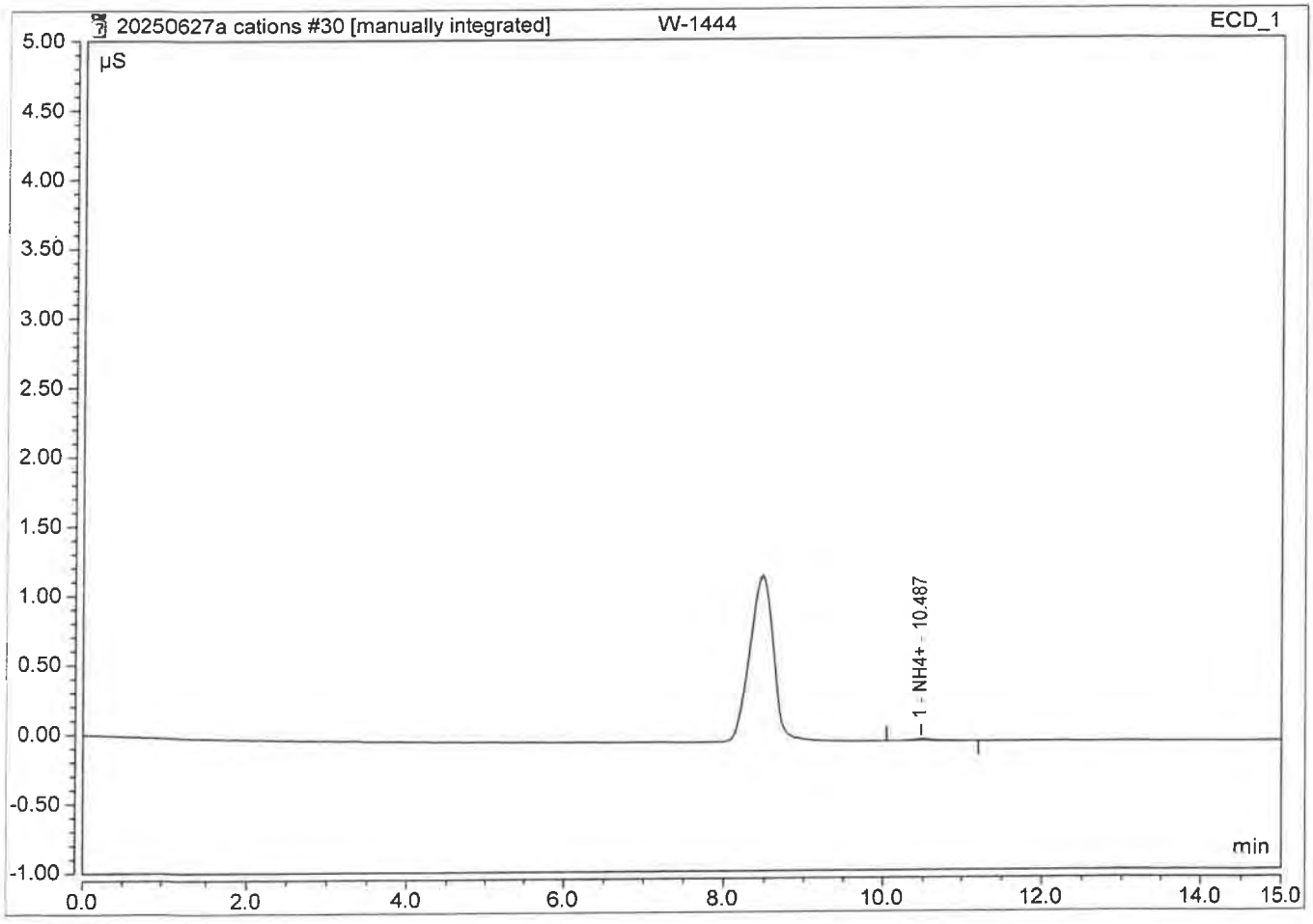
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1444**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 21:40**	*Run Time:*	**15.00**

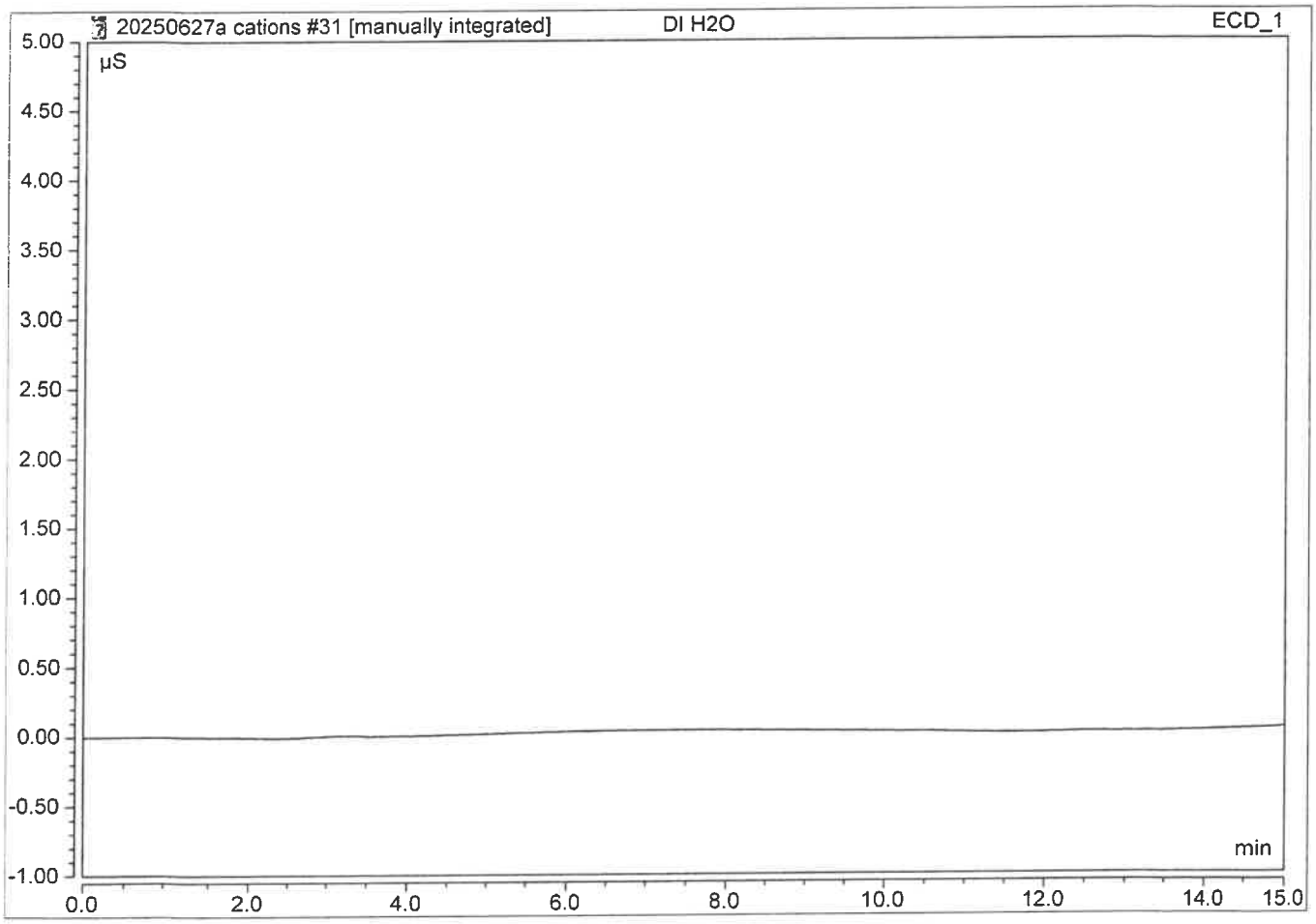
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB*	0.004	0.013	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 21:58**	*Run Time:*	**15.00**

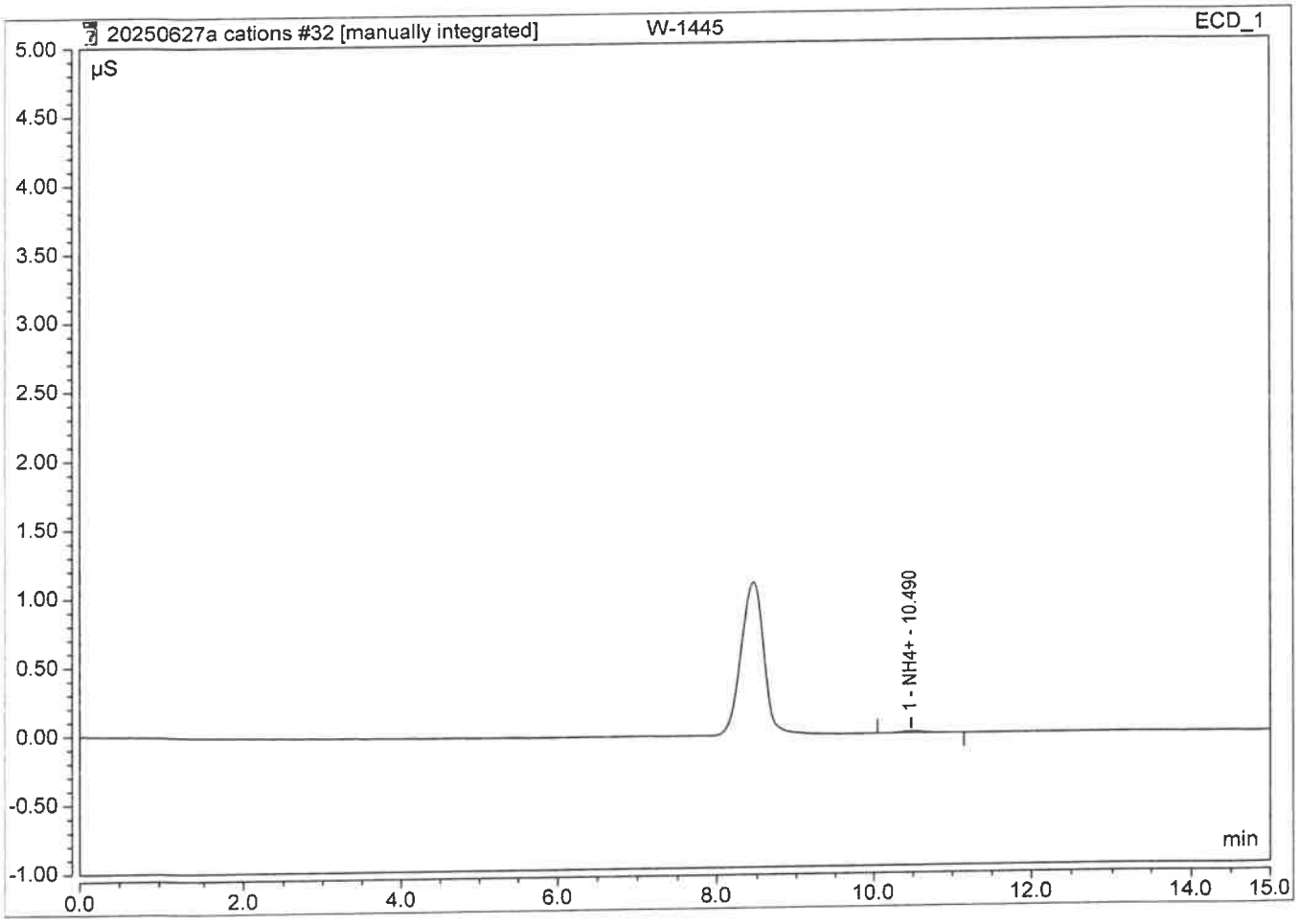
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1445**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 22:17**	*Run Time:*	**15.00**

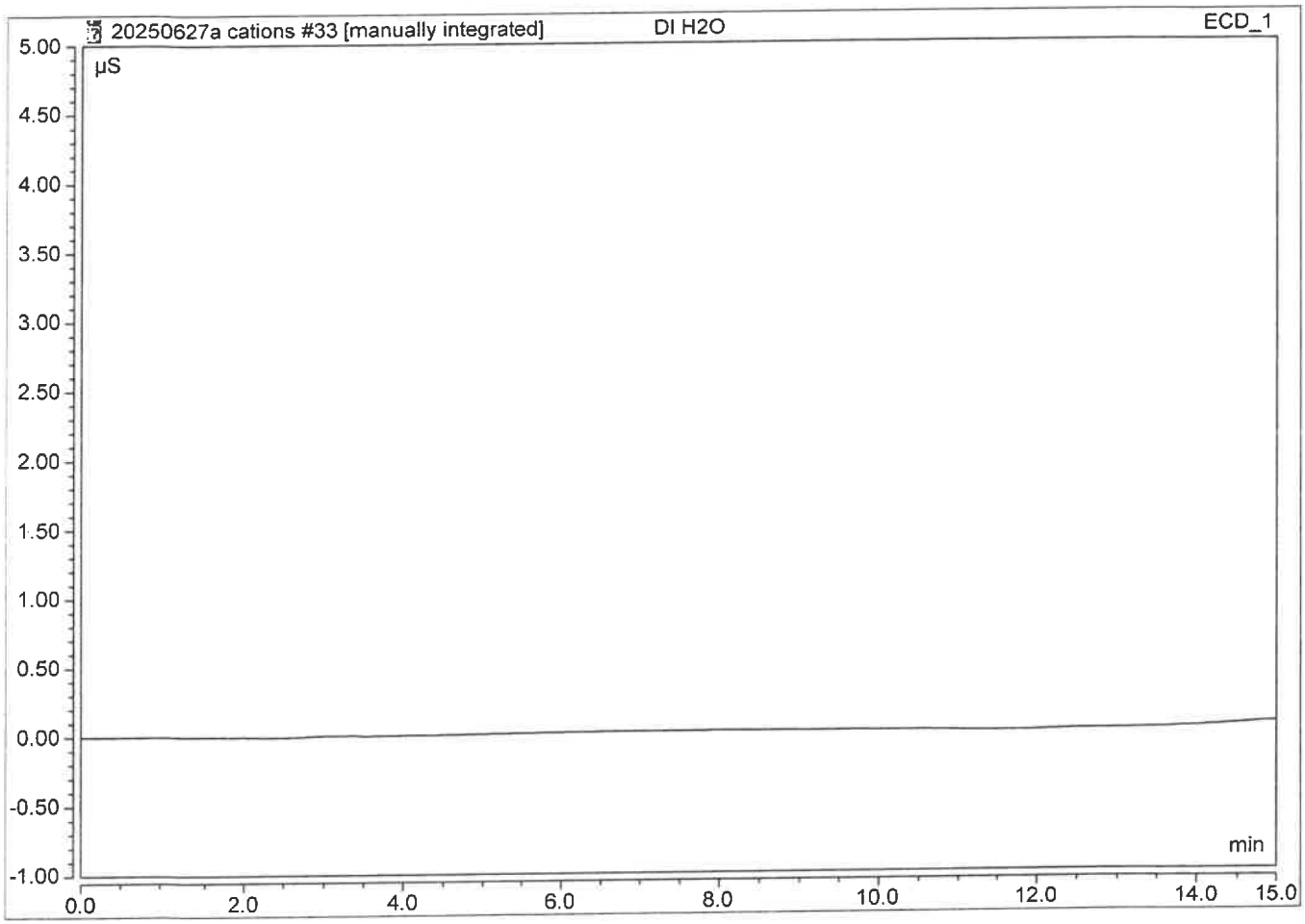
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB*	0.004	0.012	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 22:36**	*Run Time:*	**15.00**

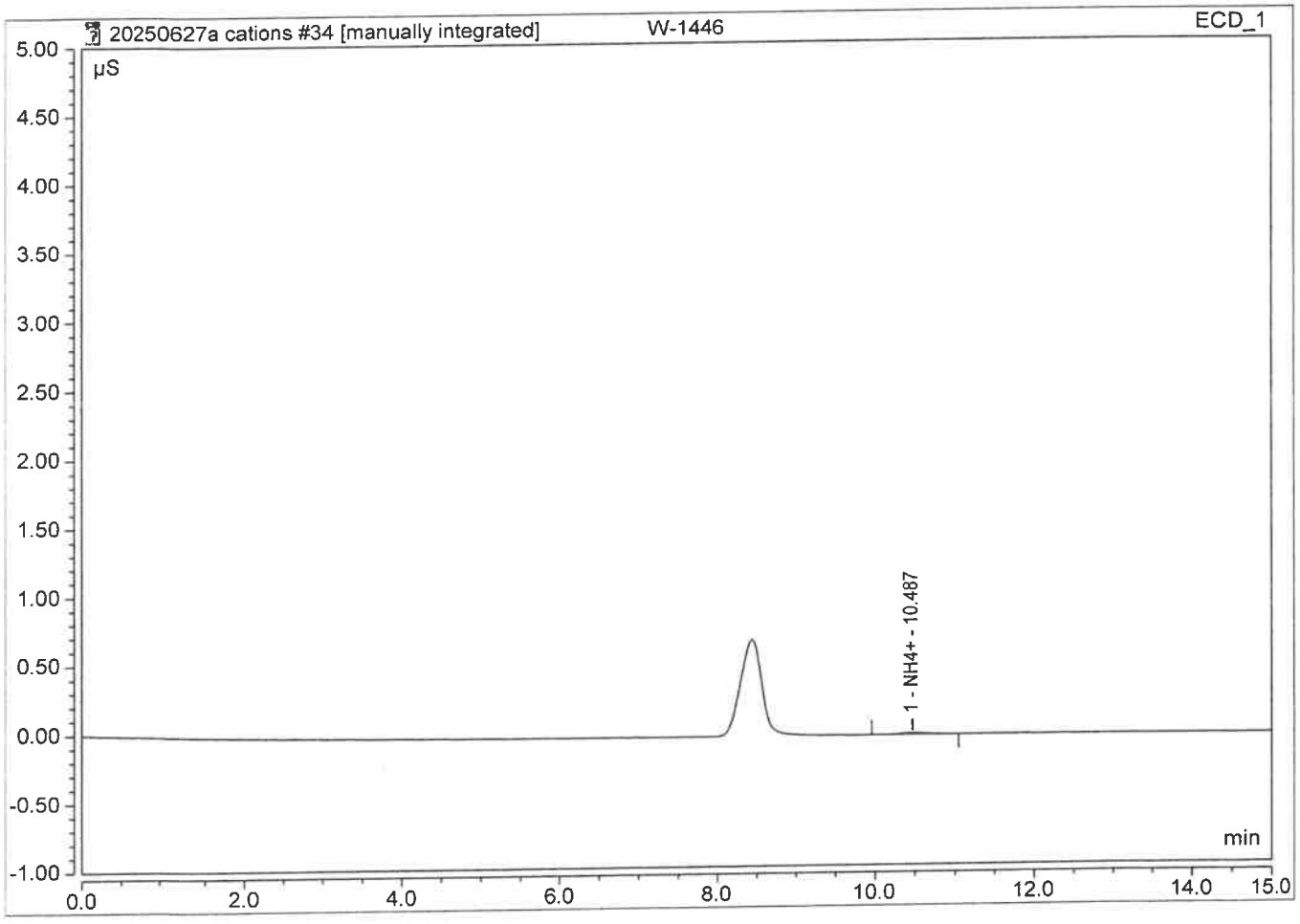
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1446**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 22:54**	*Run Time:*	**15.00**

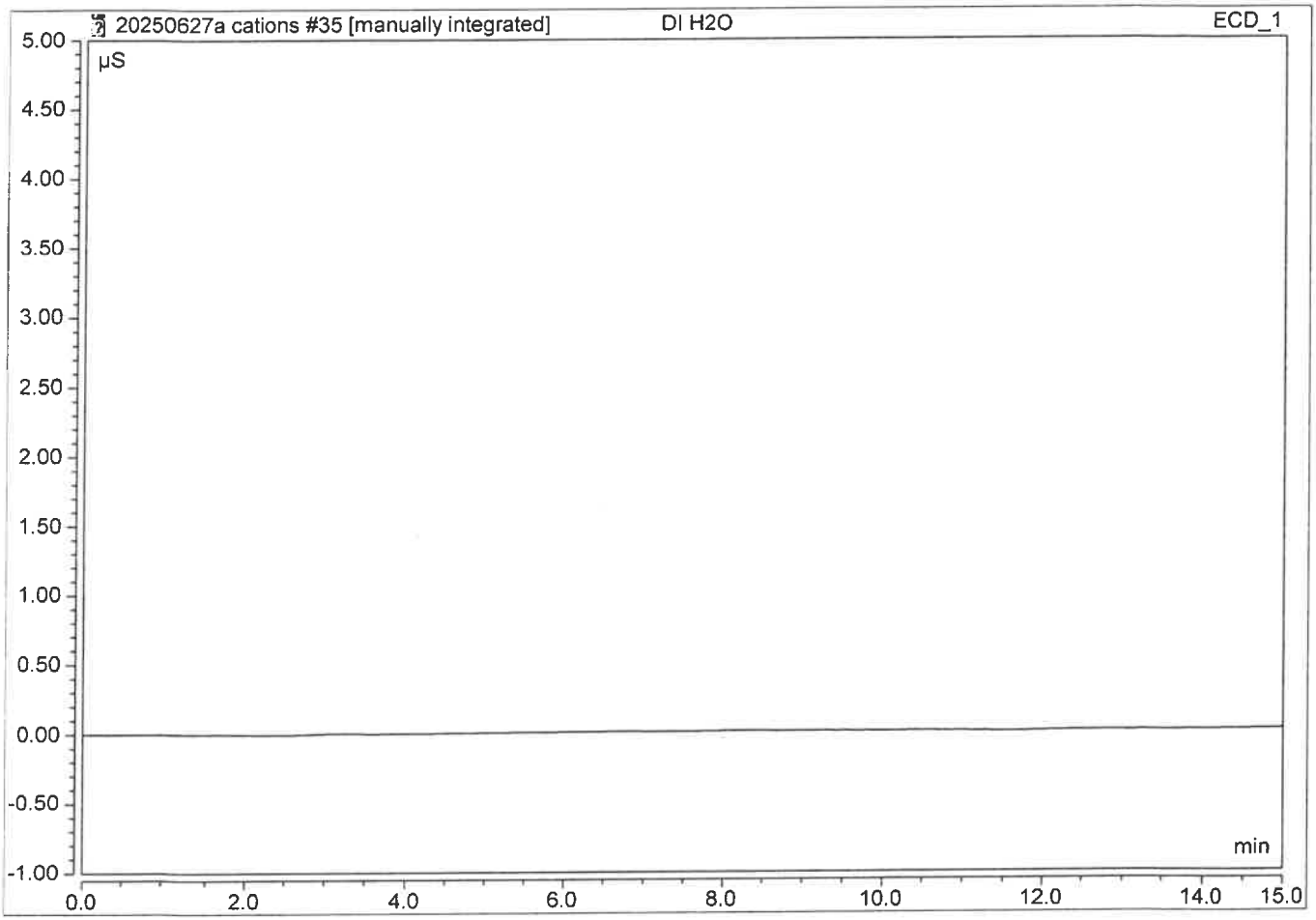
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB	0.004	0.011	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 23:13**	*Run Time:*	**15.00**

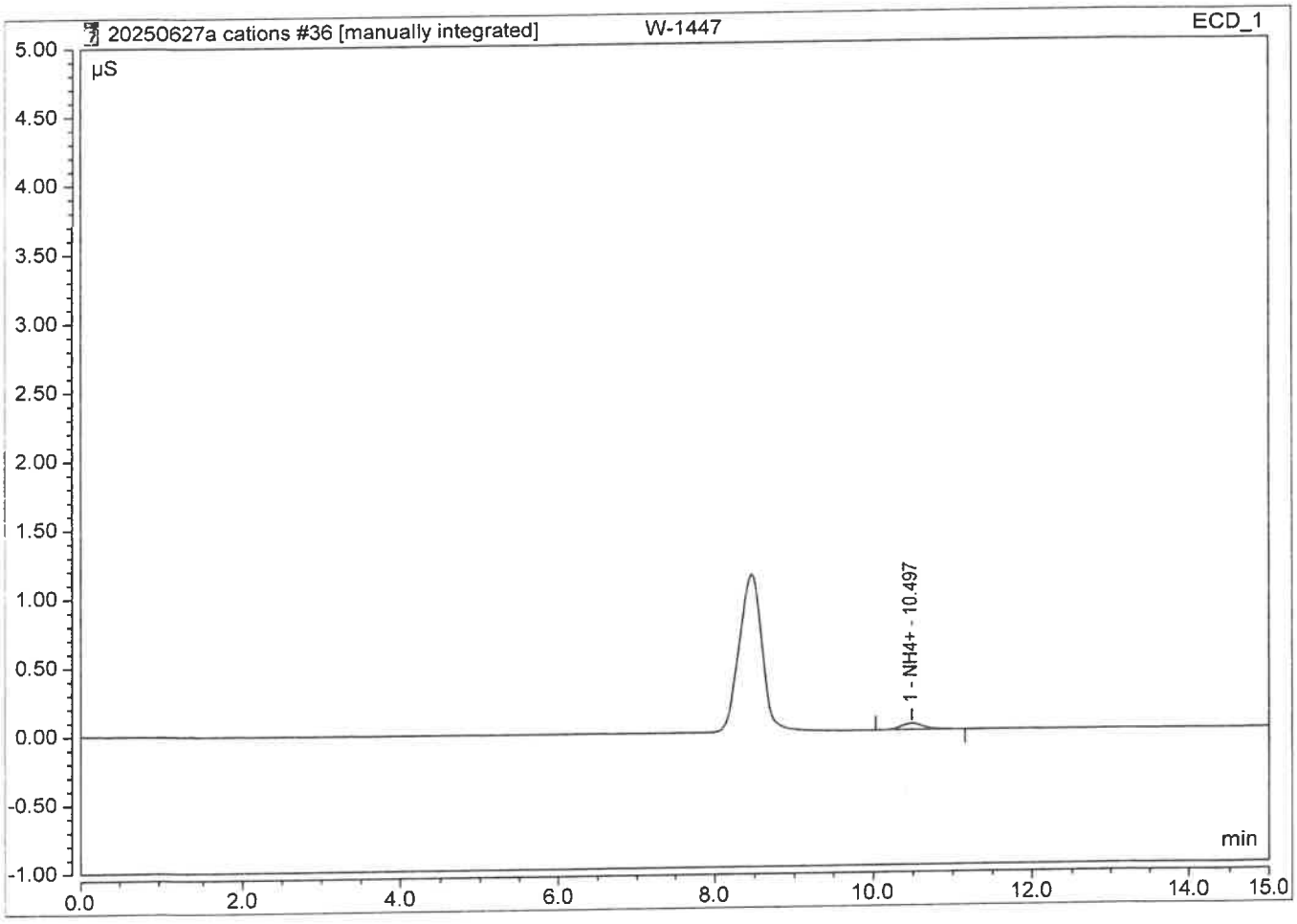
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1447**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 23:32**	*Run Time:*	**15.00**

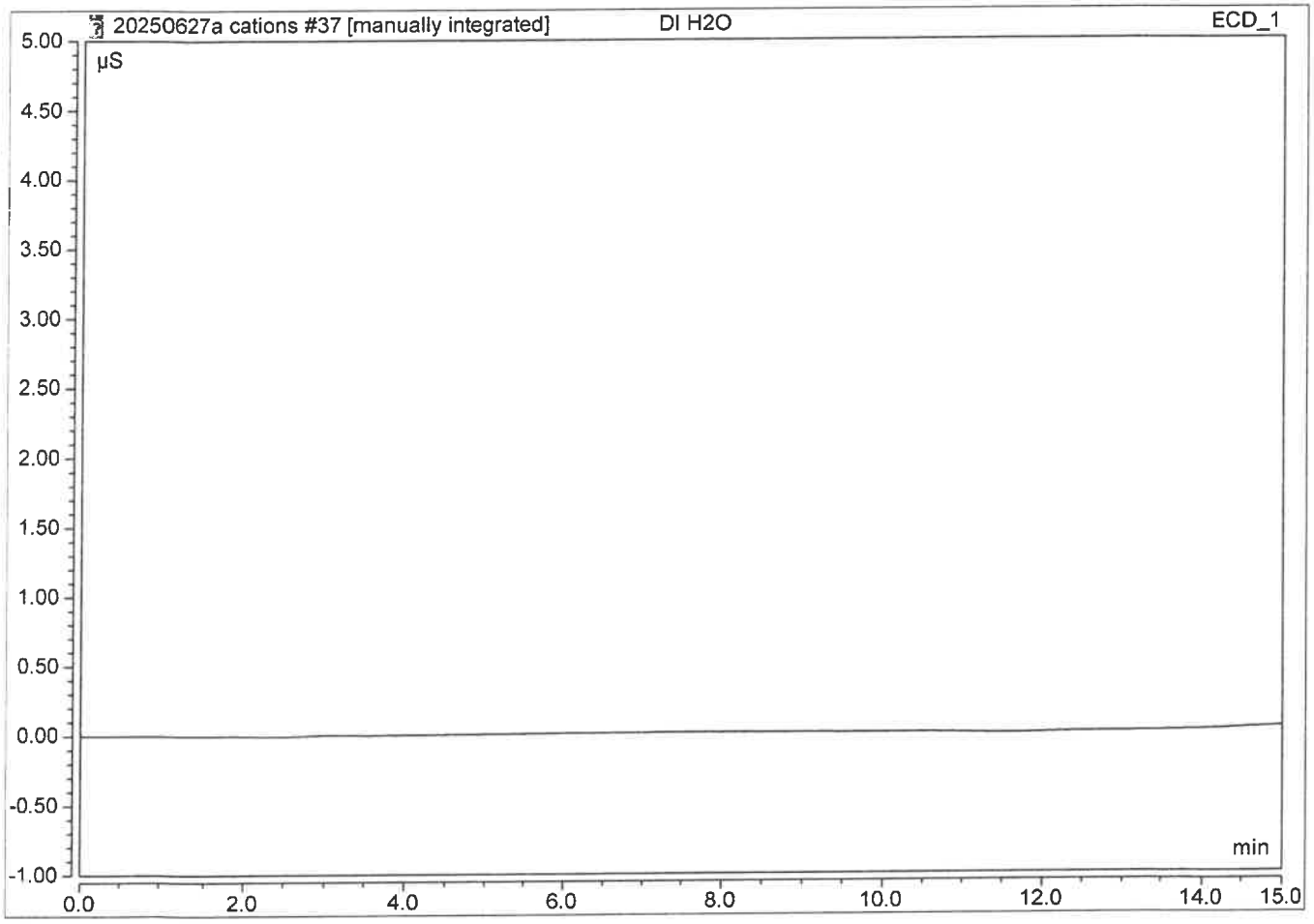
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.50	NH4+	BMB	0.015	0.046	0.0137
		TOTAL:		0.02	0.05	0.01



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**27-Jun-2025 / 23:50**	*Run Time:*	**15.00**

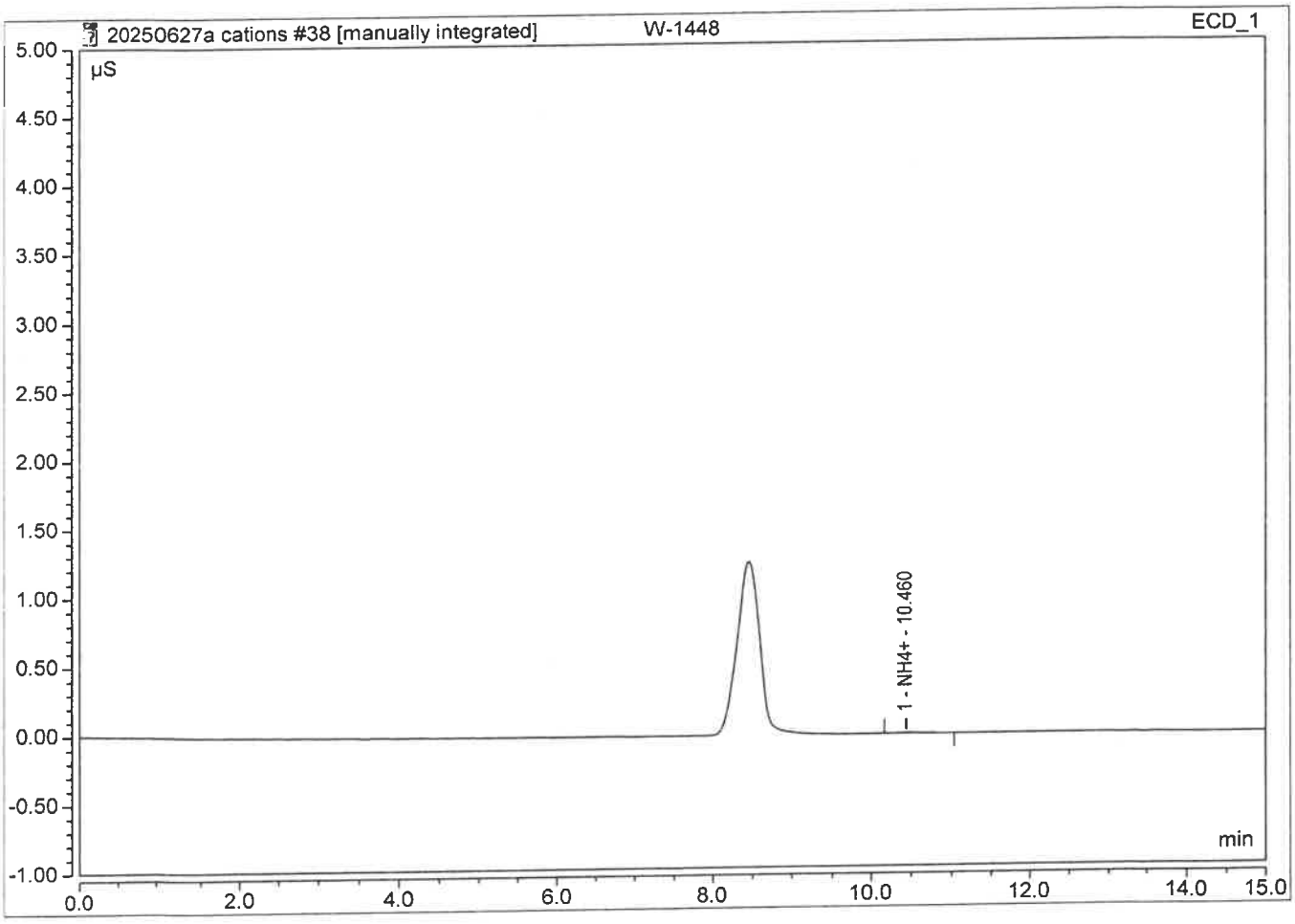
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1448**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 00:09**	*Run Time:*	**15.00**

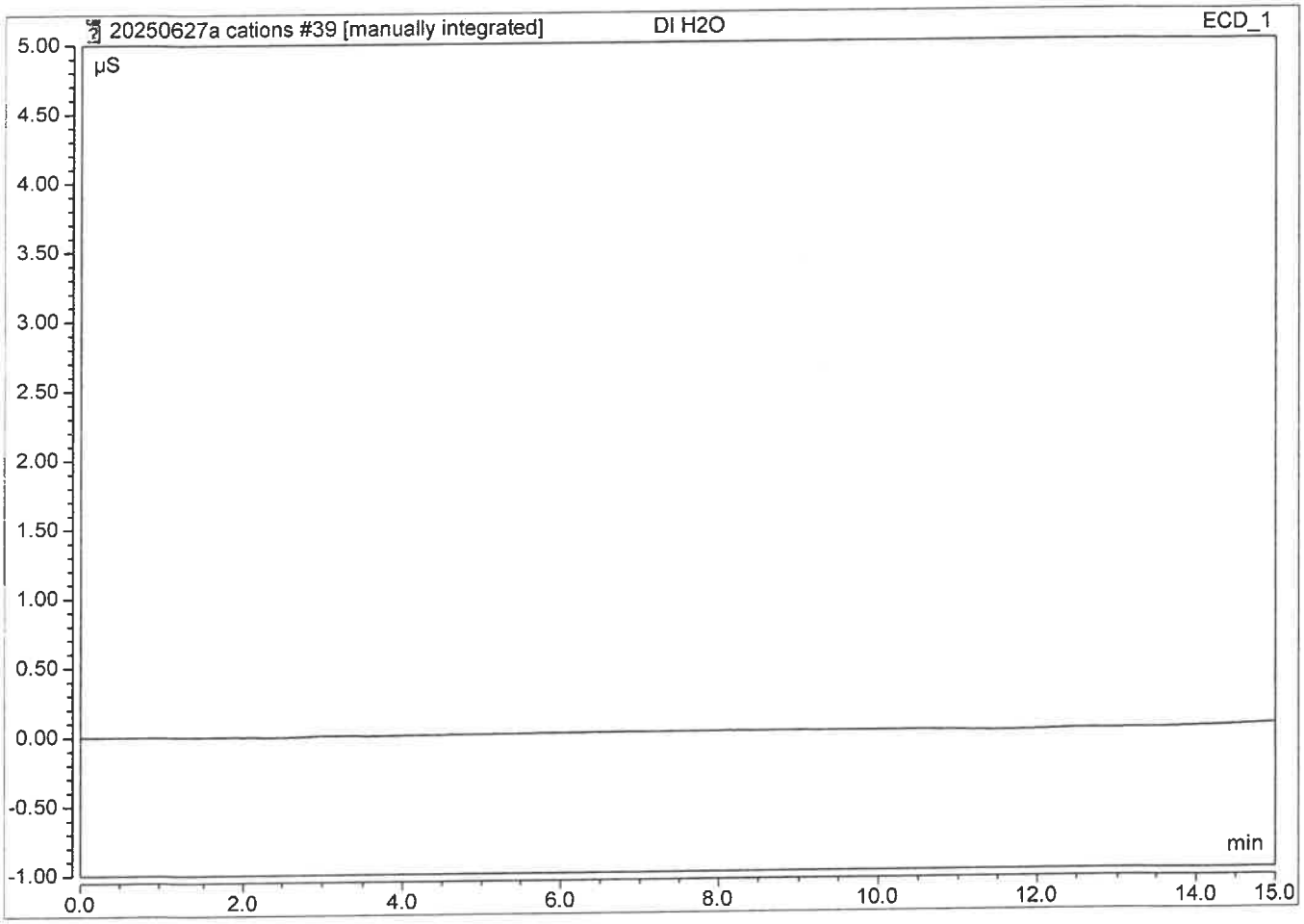
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.46	NH4+	BMB	0.002	0.005	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 00:28**	*Run Time:*	**15.00**

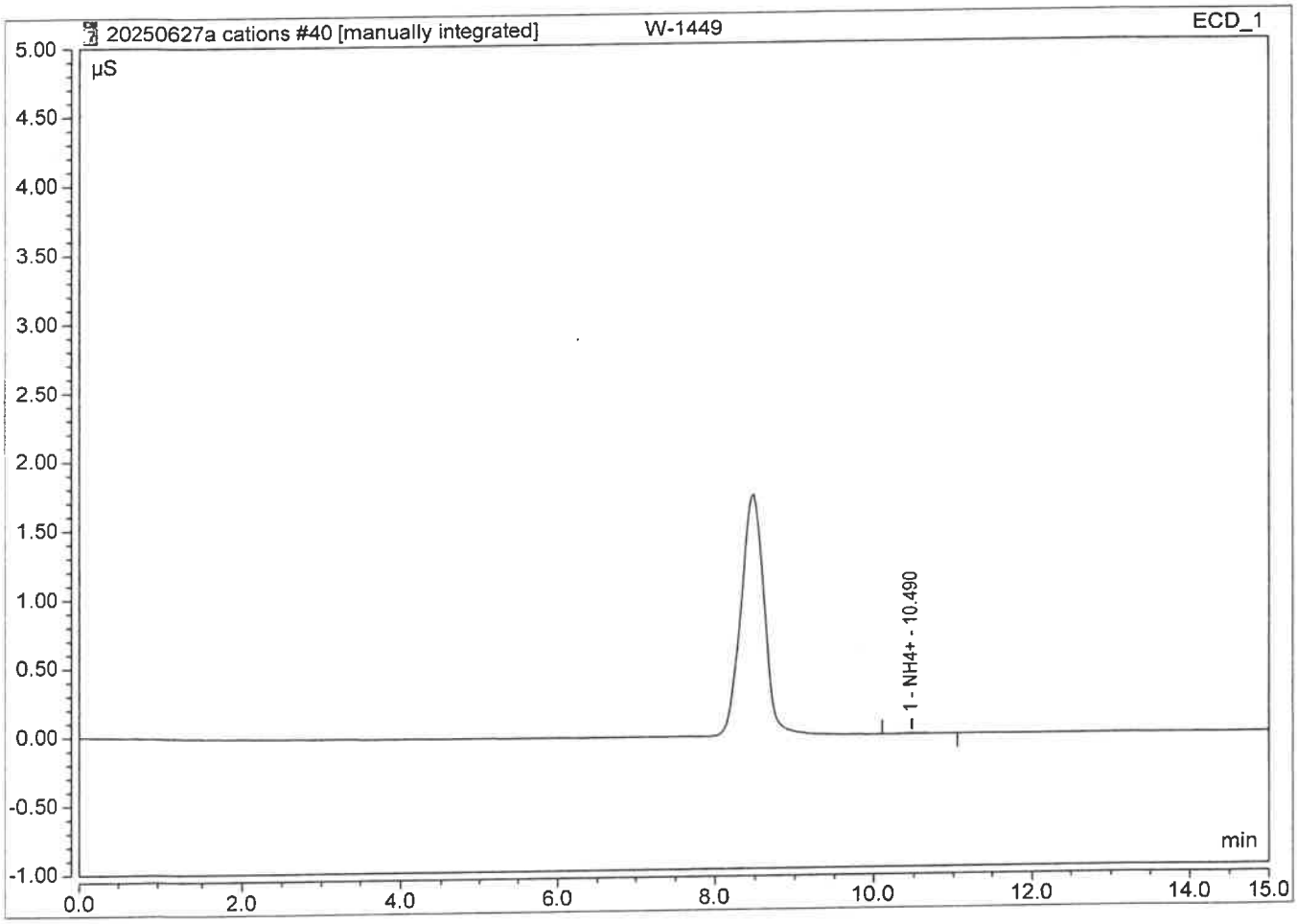
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1449**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 00:47**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB*	0.002	0.004	n.a.
		TOTAL:		0.00	0.00	0.00



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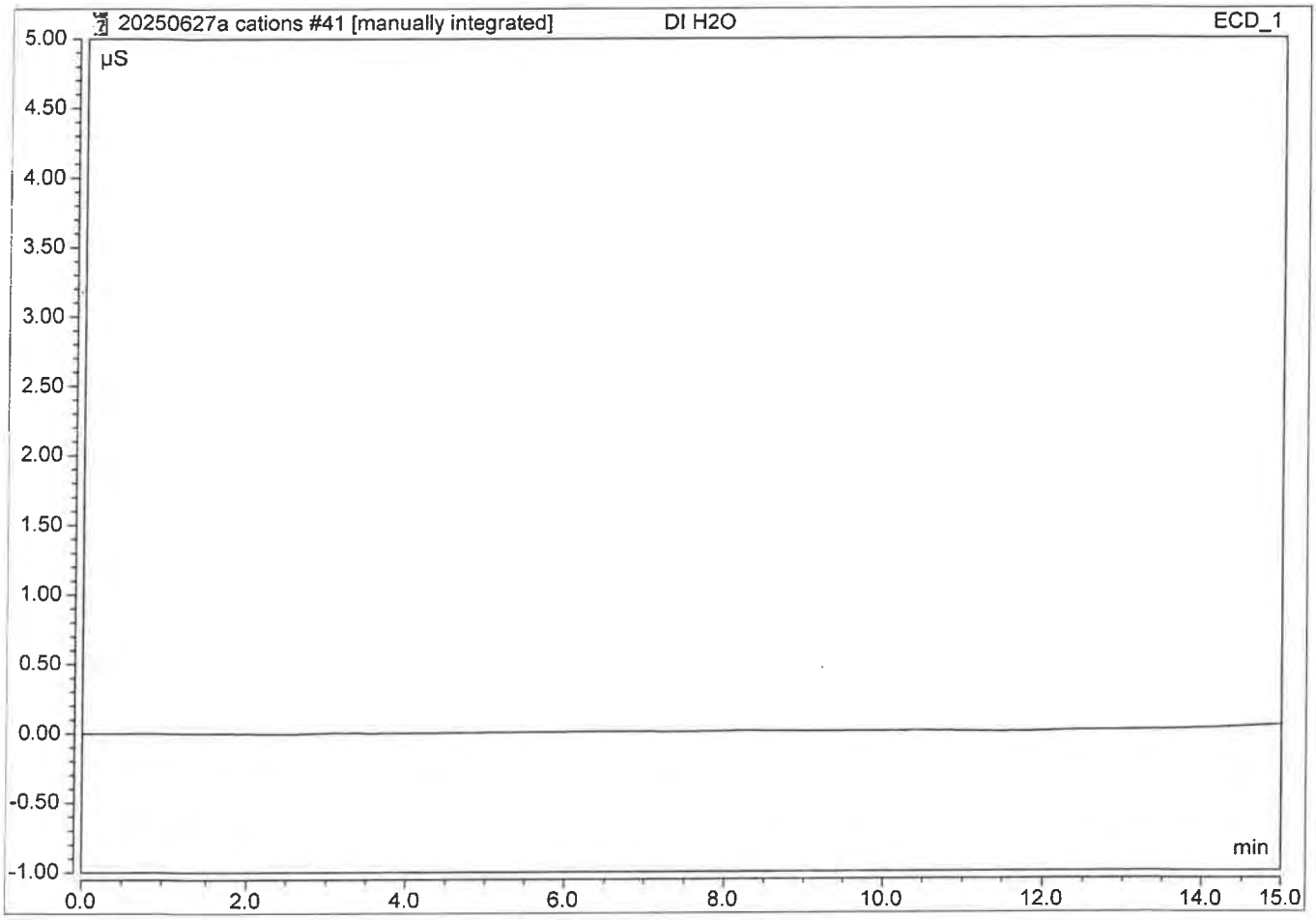
Version 7.2.10.24543

Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 01:05**	*Run Time:*	**15.00**

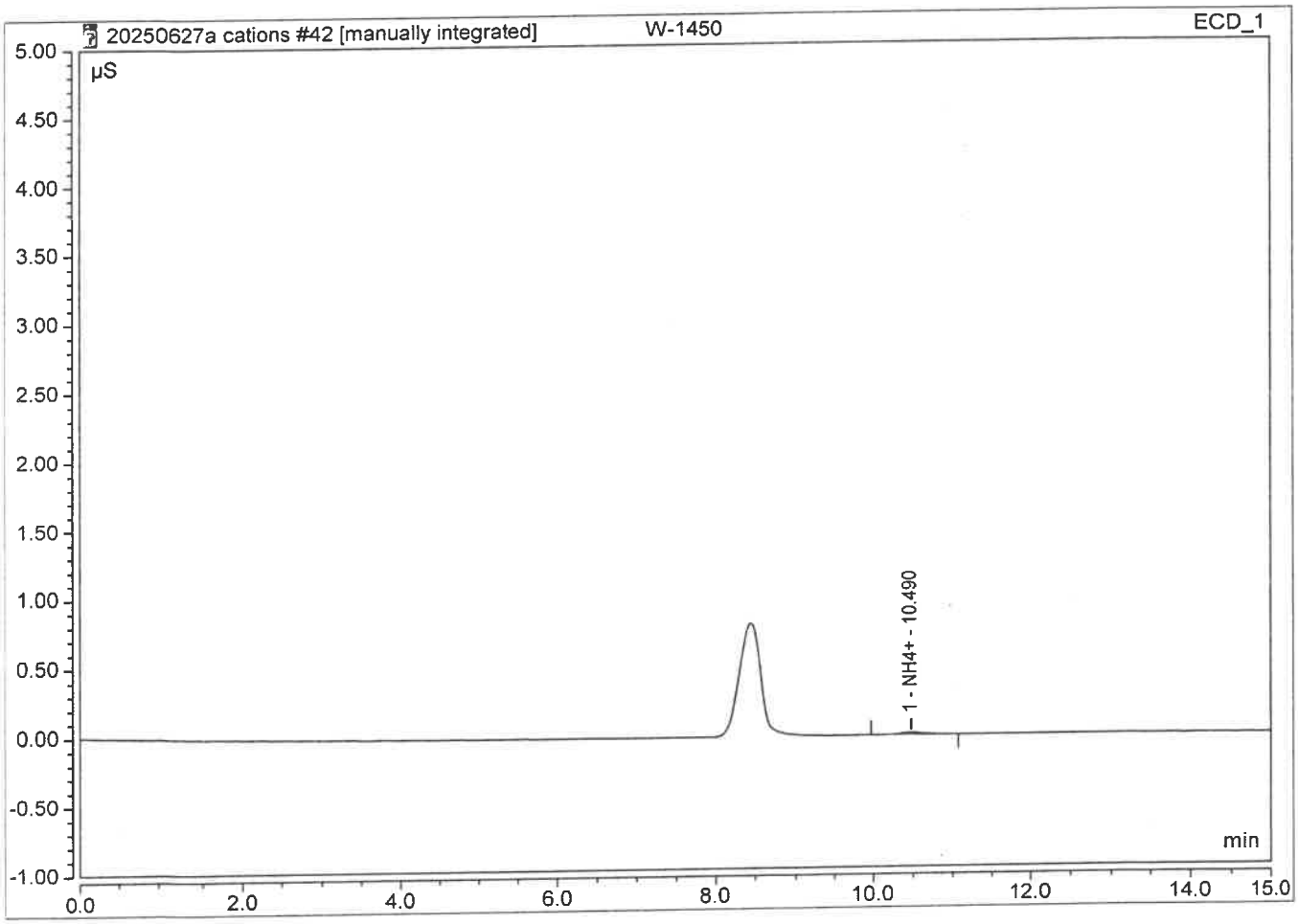
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1450**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 01:24**	*Run Time:*	**15.00**

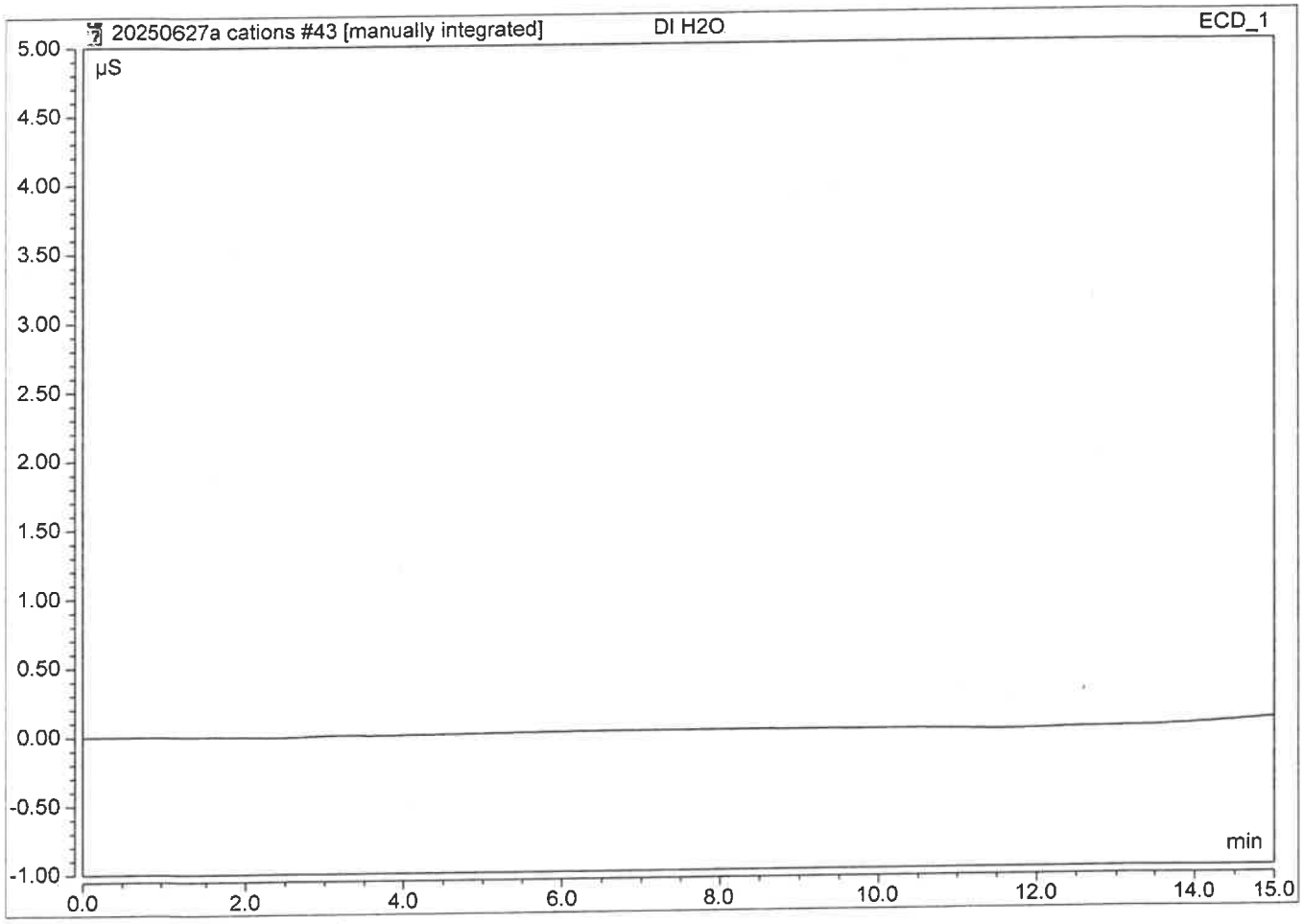
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB*	0.005	0.015	n.a.
		TOTAL:		0.00	0.01	0.00



Peak Integration Report

Sample Name:	DI H2O	*Inj. Vol.:*	50.00
Injection Type:	Unknown	*Dilution Factor:*	1.0000
Instrument Method:	20221215	*Operator:*	gregory.duncan
Inj. Date / Time:	28-Jun-2025 / 01:43	*Run Time:*	15.00

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00

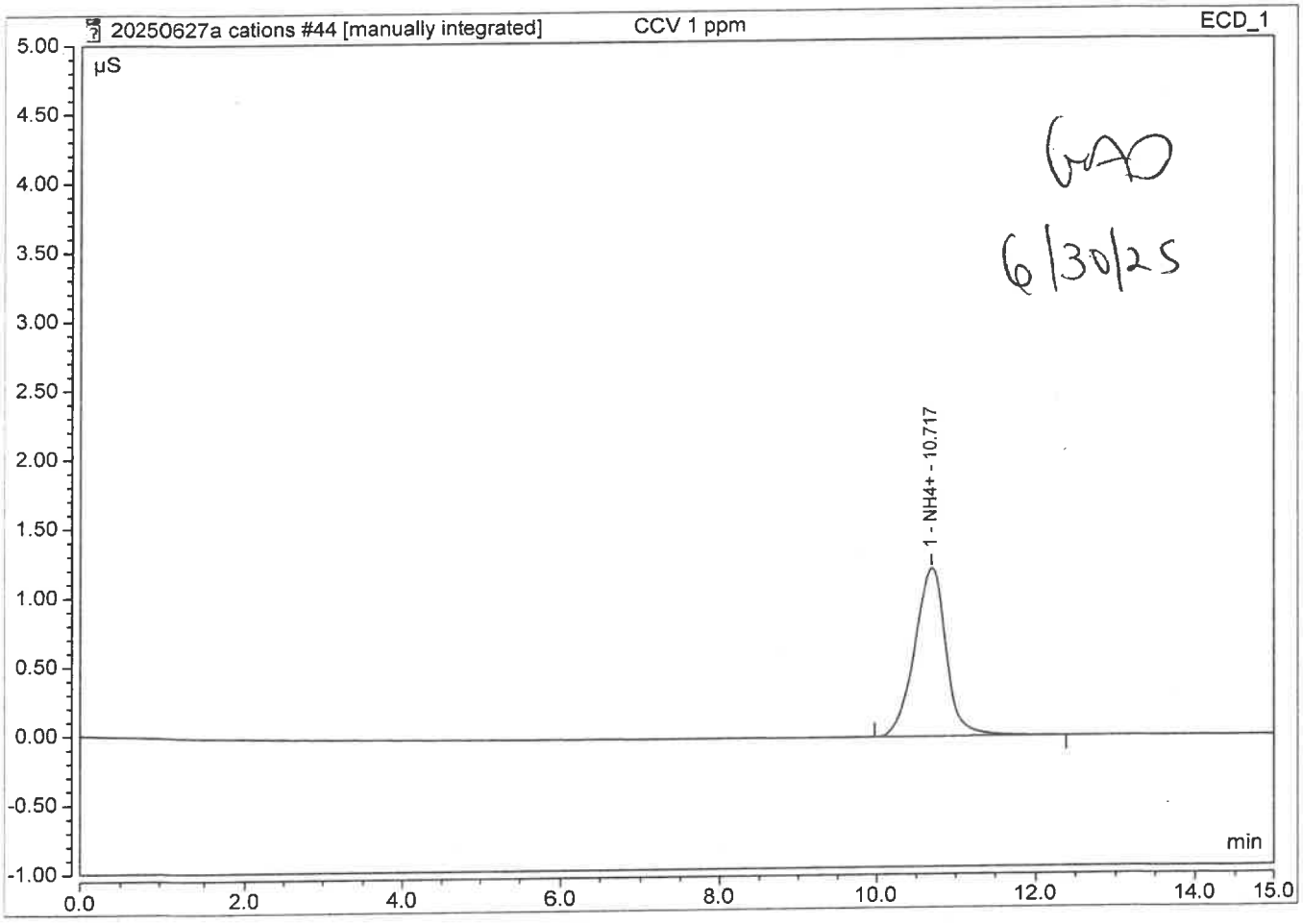


Peak Integration Report

Sample Name:	**CCV 1 ppm**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 02:01**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.72	NH4+	BMB*	0.562	1.219	1.0293
		TOTAL:		0.56	1.22	1.03

102.93% RA

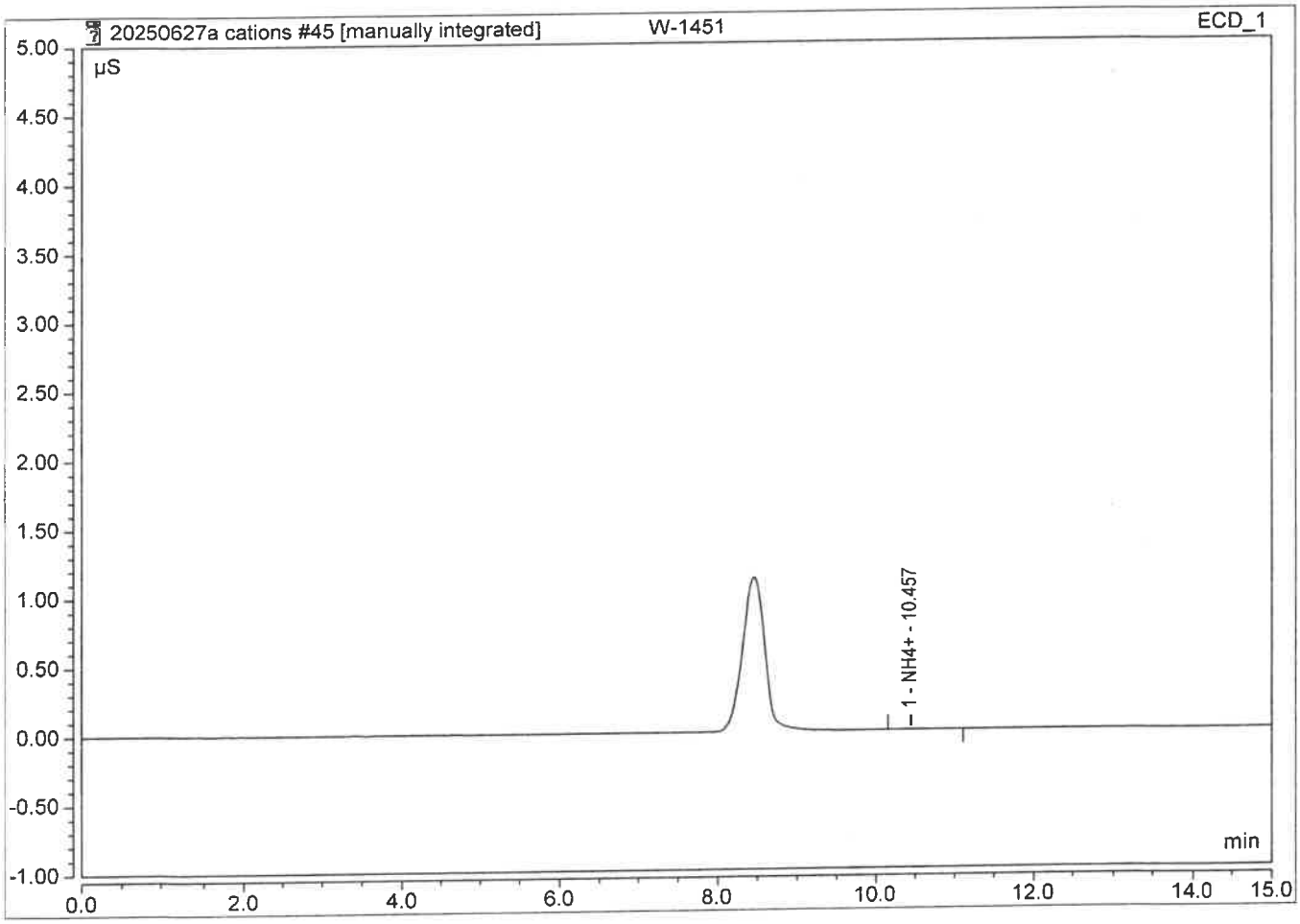


GAO
6/30/25

Peak Integration Report

Sample Name:	**W-1451**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 02:20**	*Run Time:*	**15.00**

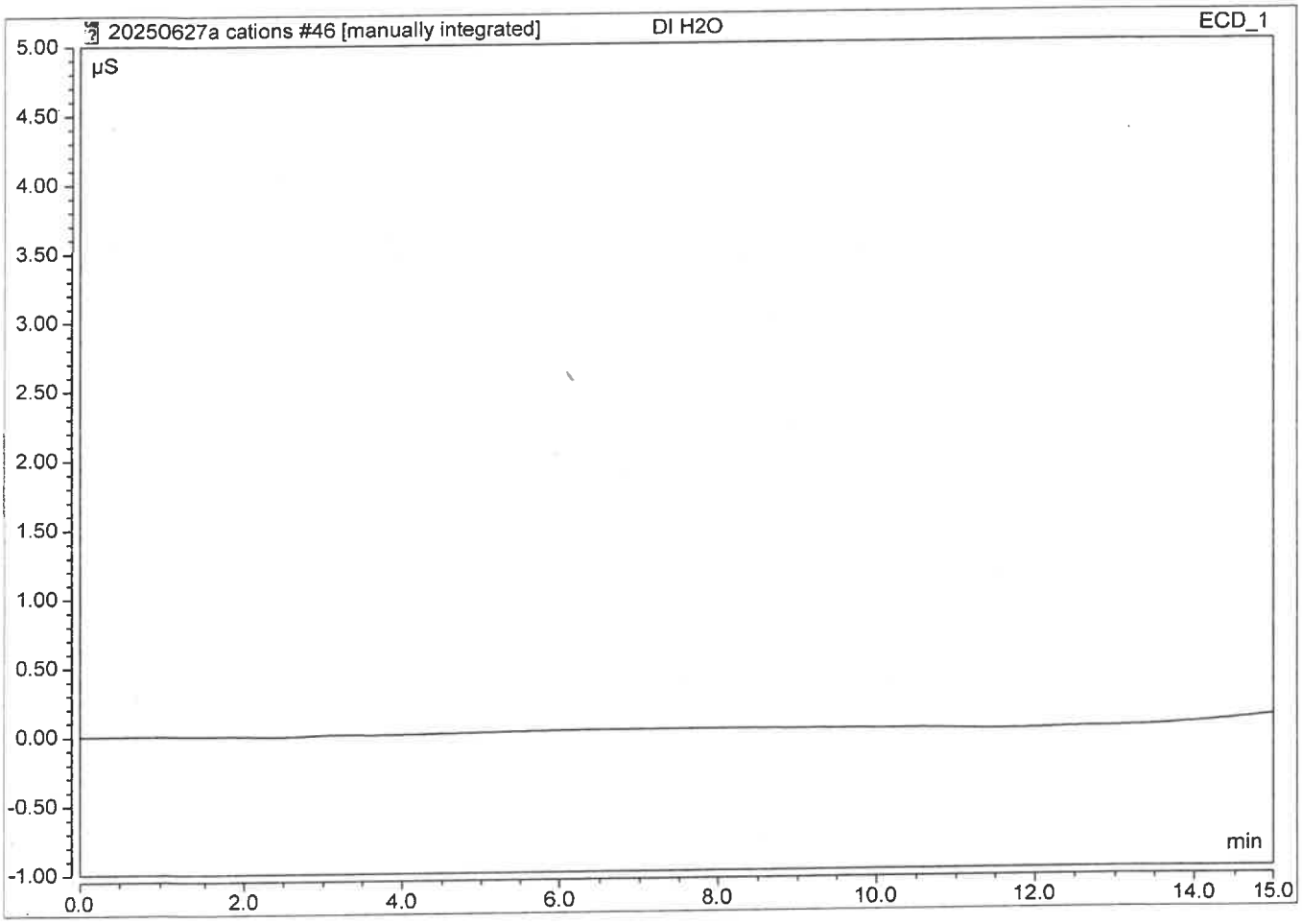
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.46	NH4+	BMB	0.001	0.003	n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 02:39**	*Run Time:*	**15.00**

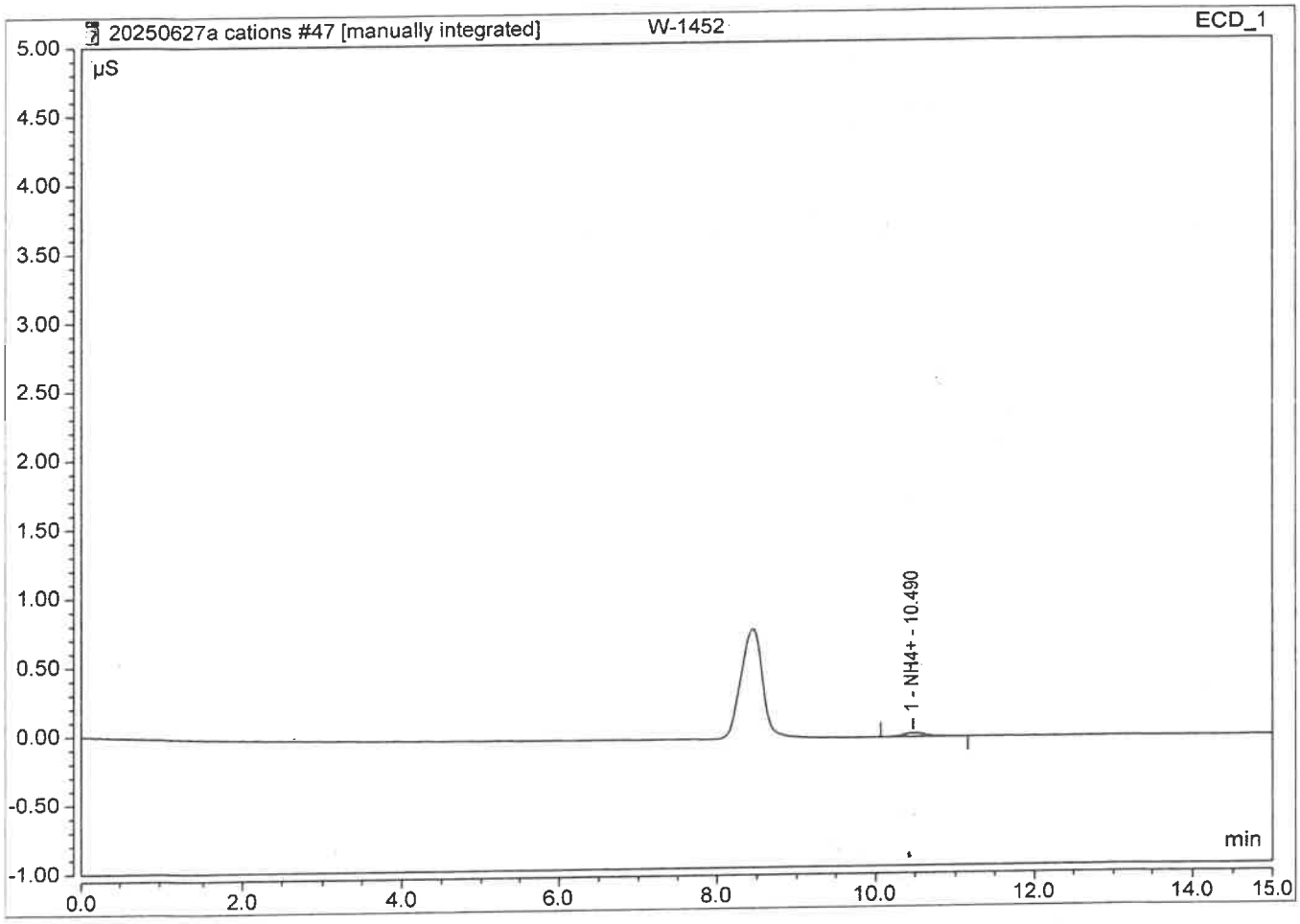
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1452**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 02:57**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB	0.009	0.028	0.0034
		TOTAL:		0.01	0.03	0.00



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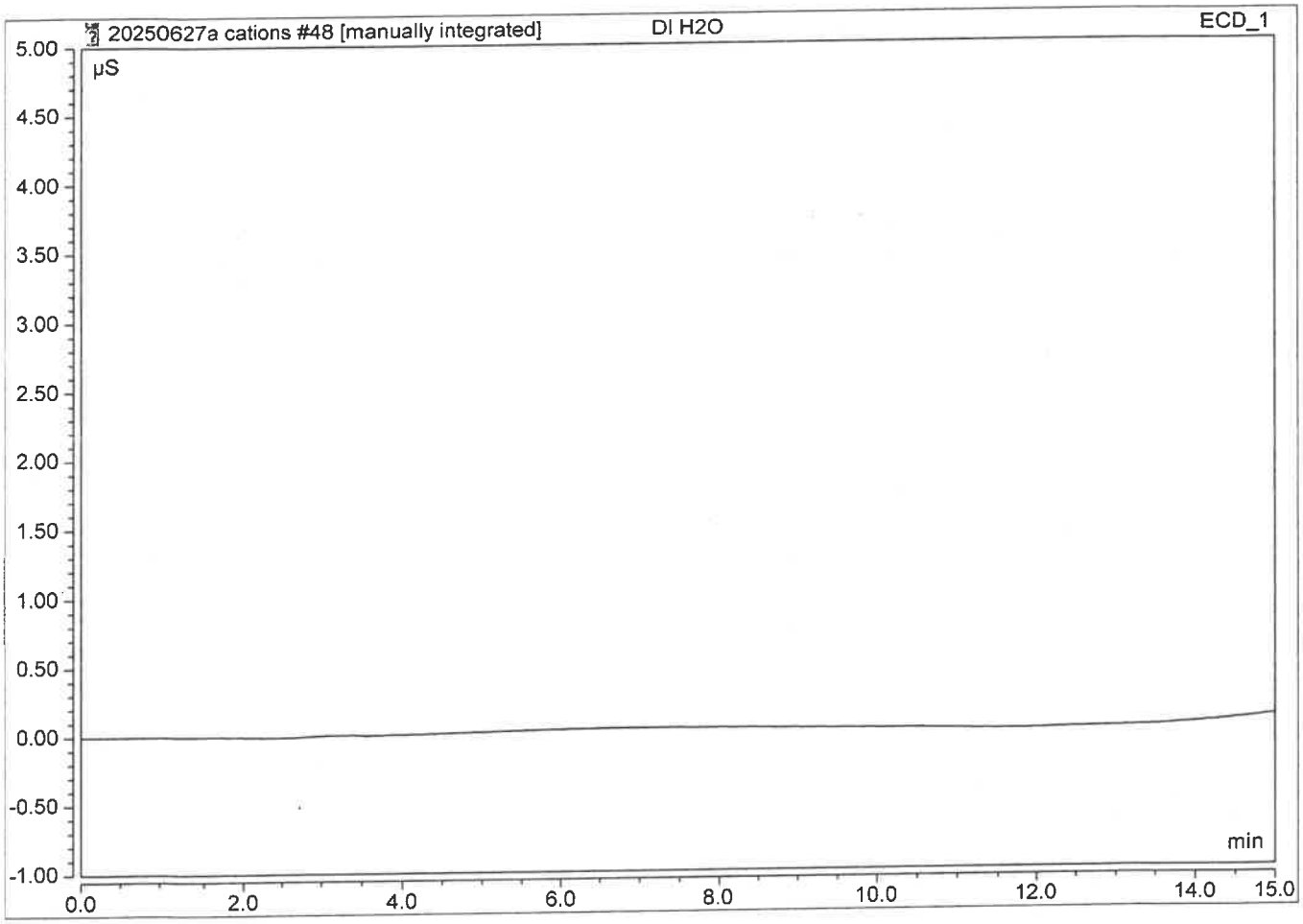
Version 7.2.10.24543

Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 03:16**	*Run Time:*	**15.00**

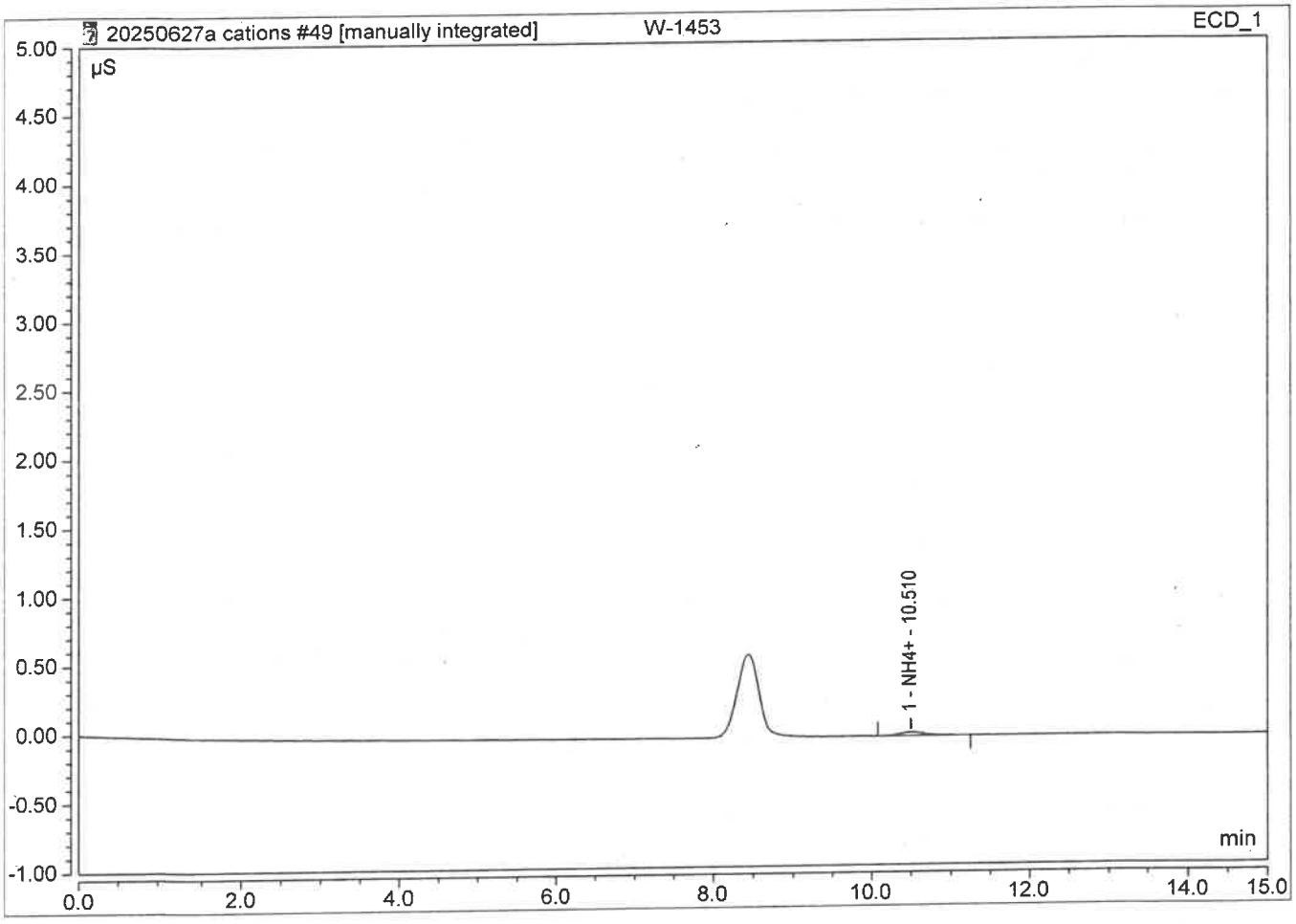
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1453**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 03:35**	*Run Time:*	**15.00**

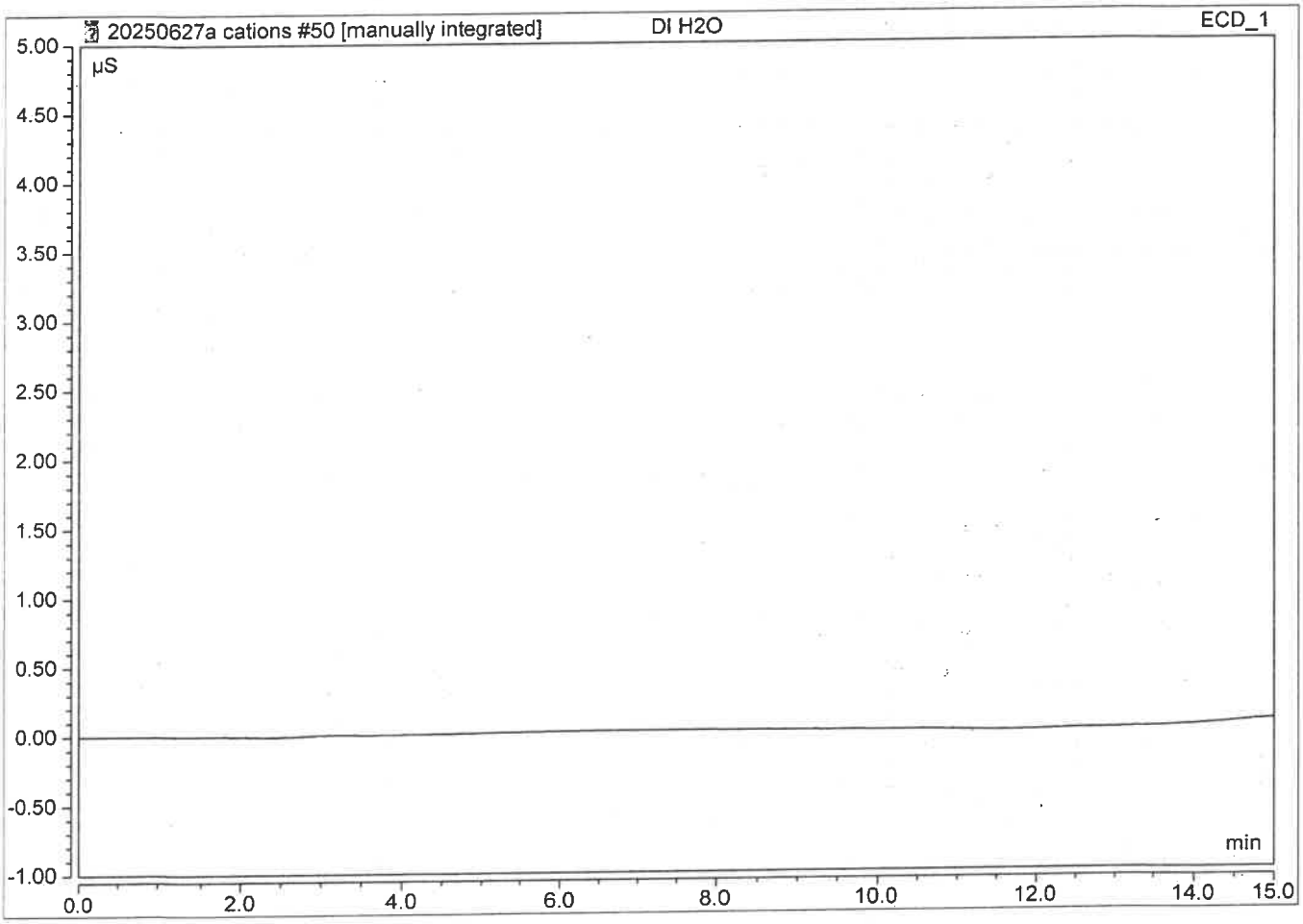
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.51	NH4+	BMB*	0.009	0.026	0.0031
		TOTAL:		0.01	0.03	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 03:53**	*Run Time:*	**15.00**

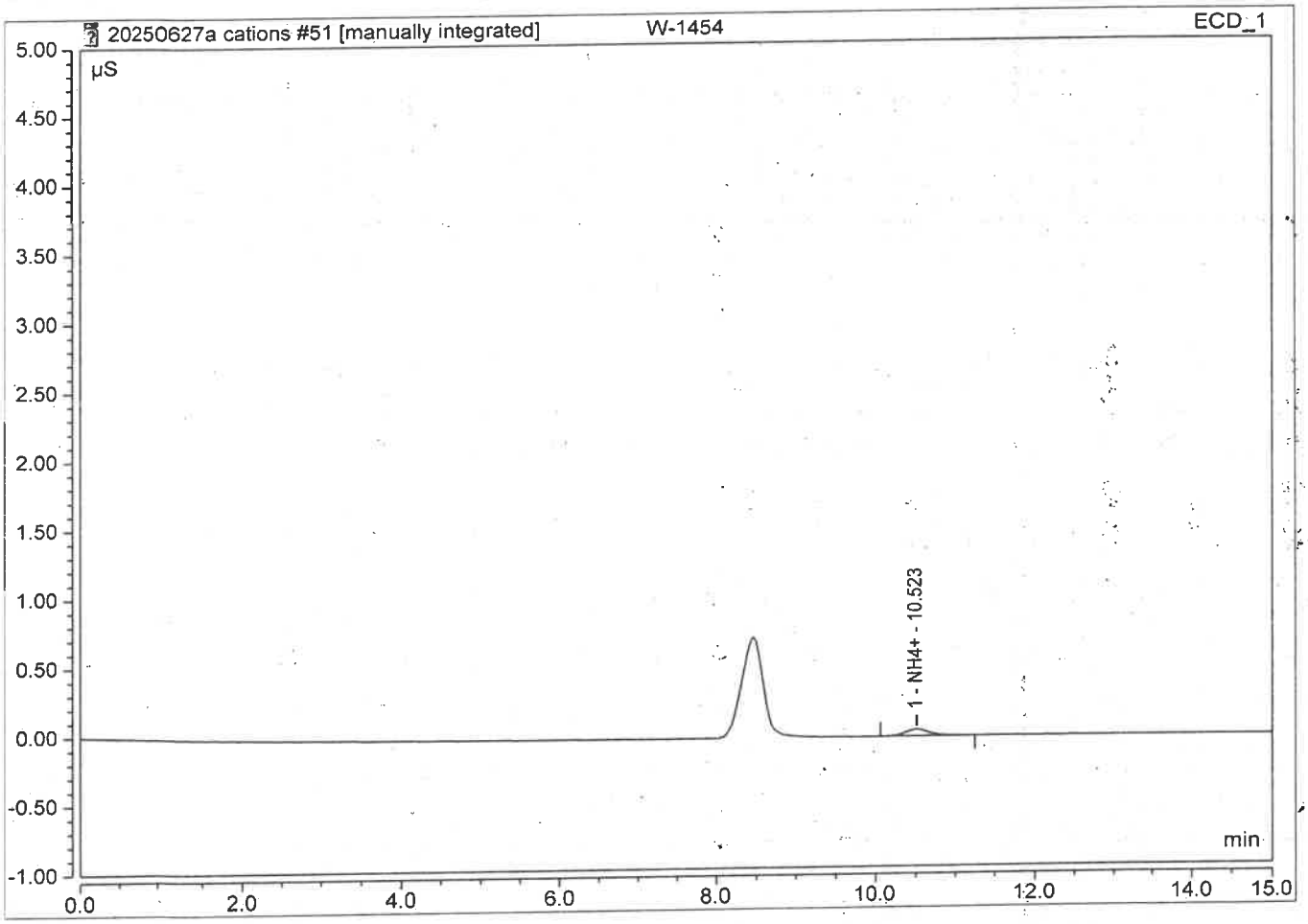
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1454**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 04:12**	*Run Time:*	**15.00**

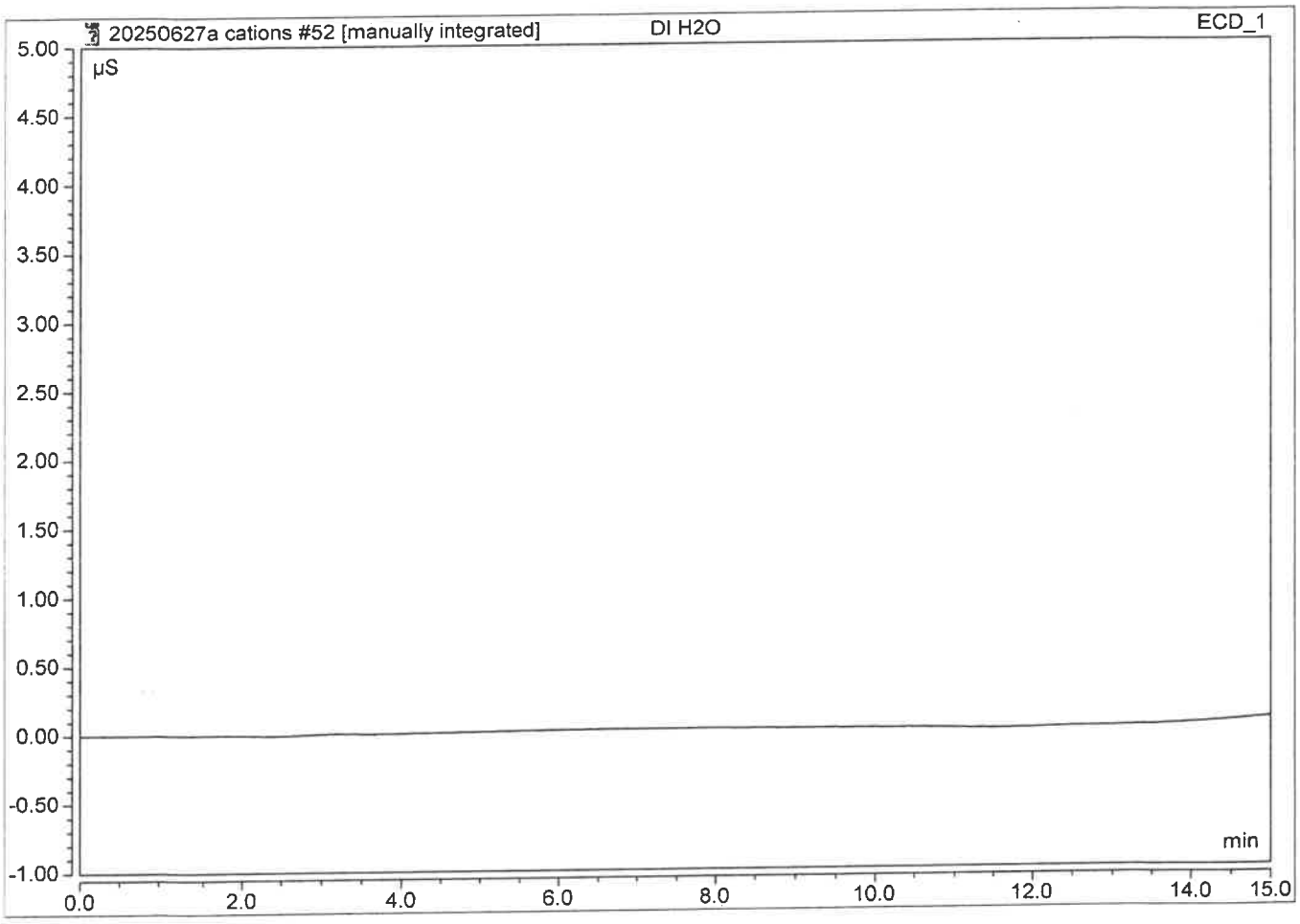
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.52	NH4+	BMB	0.016	0.048	0.0161
		TOTAL:		0.02	0.05	0.02



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 04:31**	*Run Time:*	**15.00**

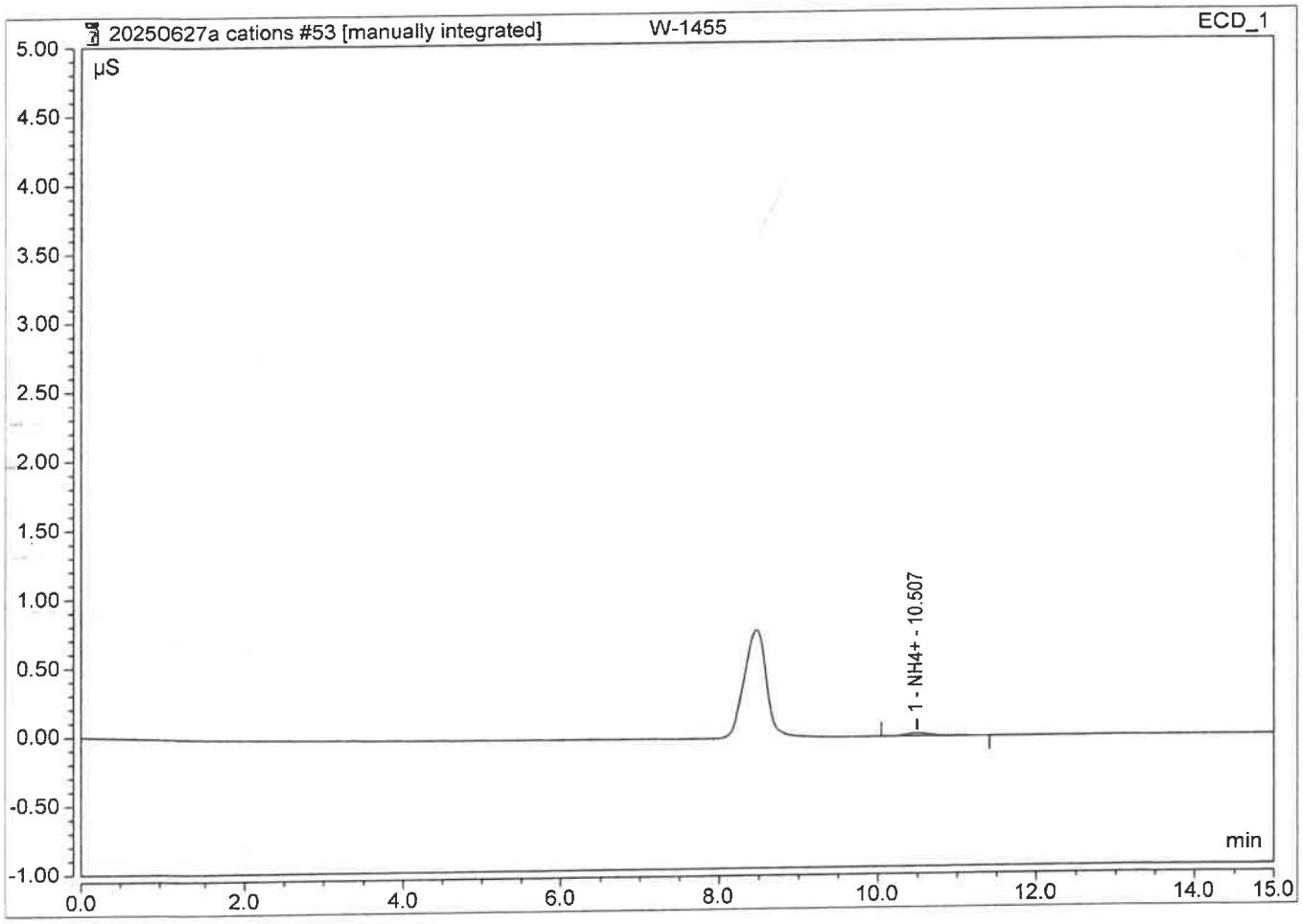
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1455**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 04:50**	*Run Time:*	**15.00**

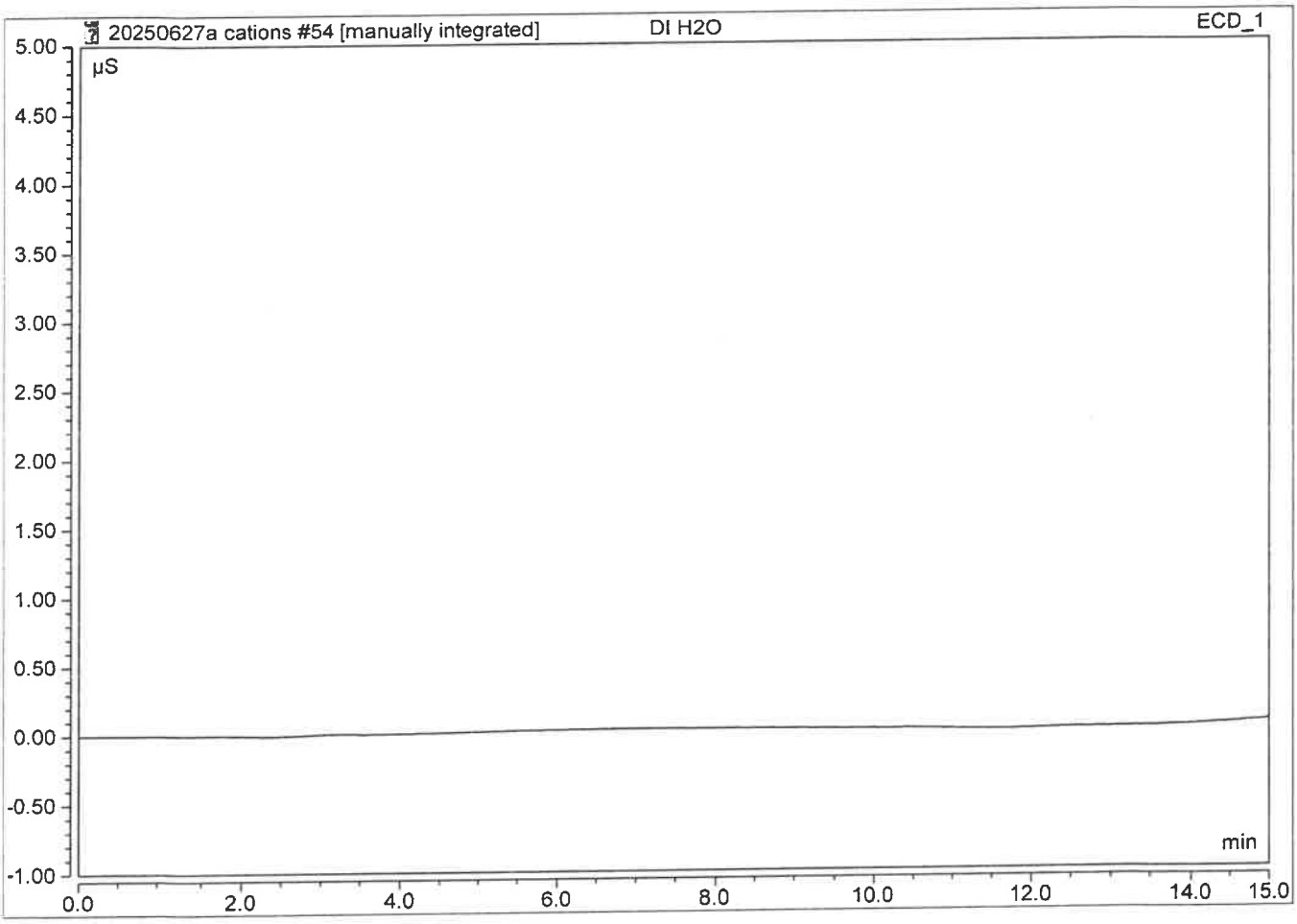
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.51	NH4+	BMB	0.008	0.022	0.0010
		TOTAL:		0.01	0.02	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 05:08**	*Run Time:*	**15.00**

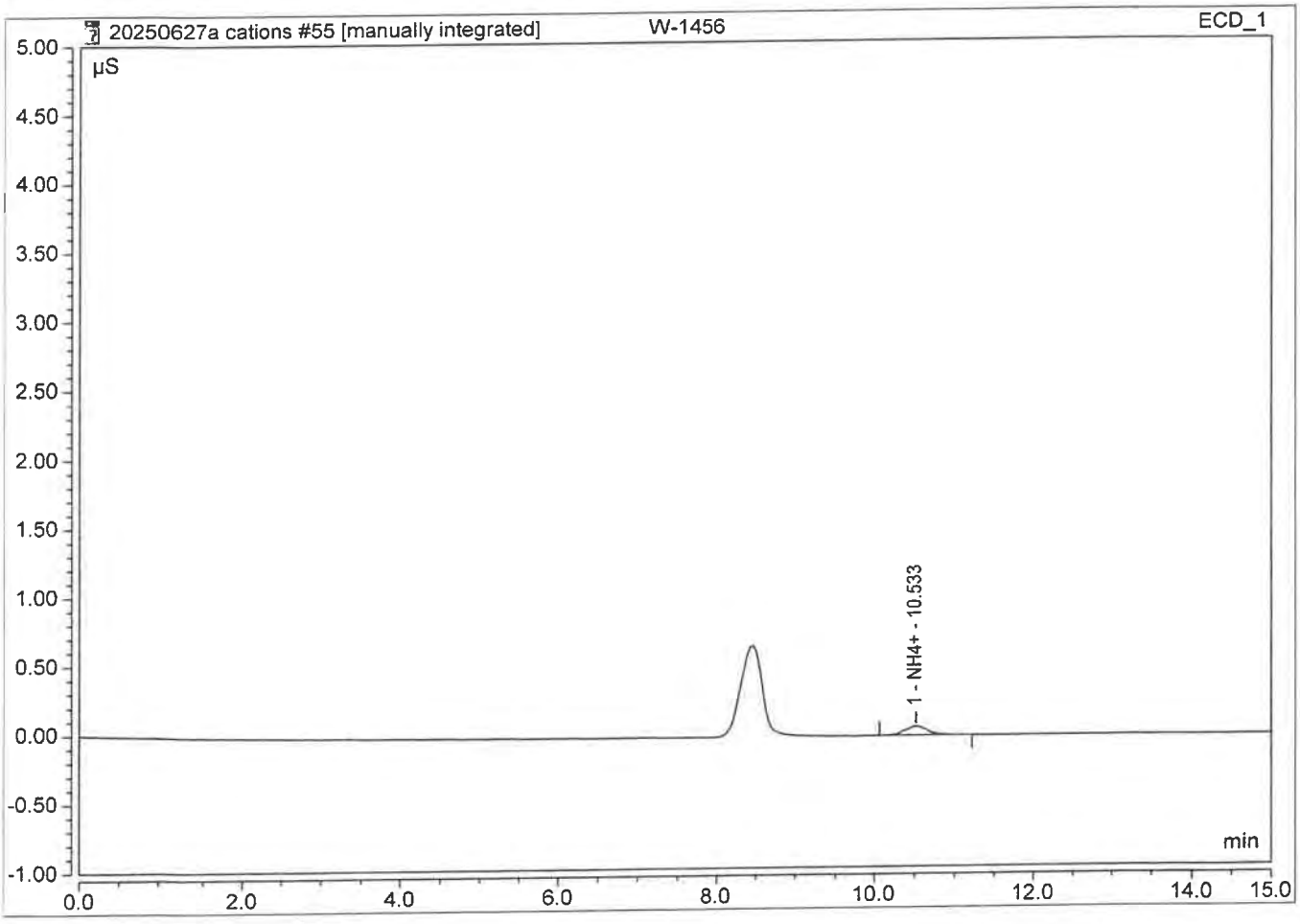
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1456**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 05:27**	*Run Time:*	**15.00**

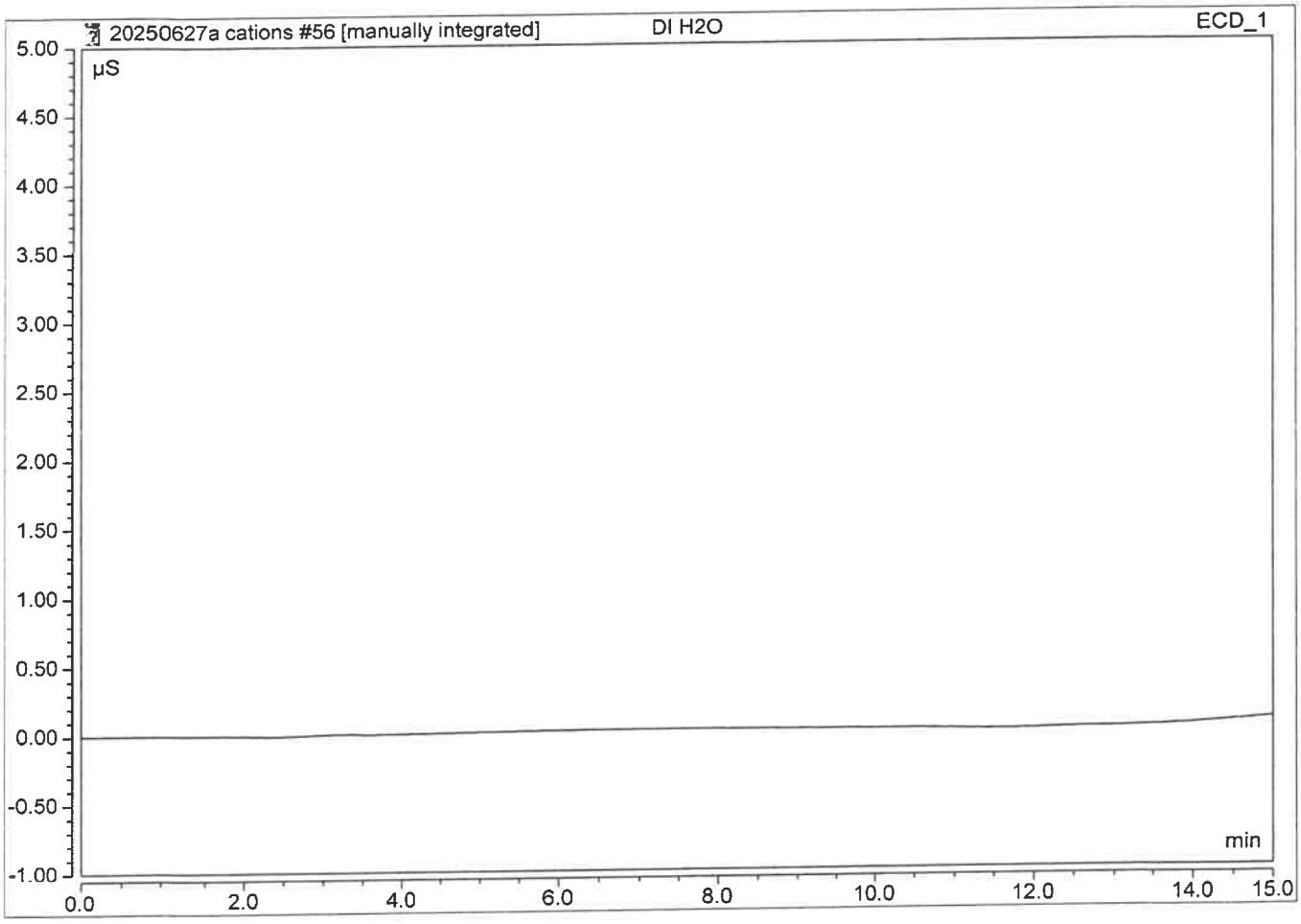
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.53	NH4+	BMB	0.022	0.065	0.0259
		TOTAL:		0.02	0.06	0.03



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 05:46**	*Run Time:*	**15.00**

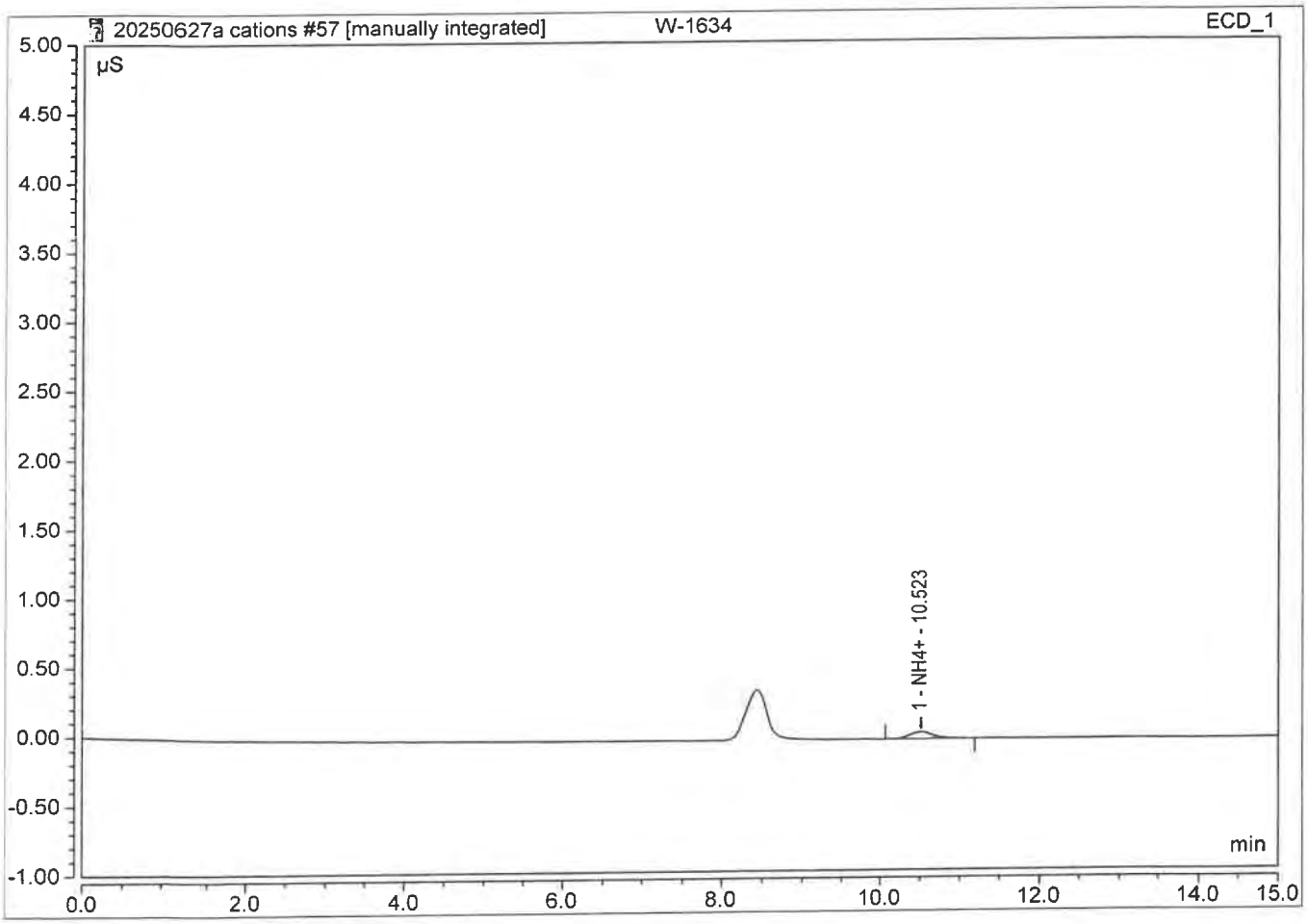
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1634**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 06:04**	*Run Time:*	**15.00**

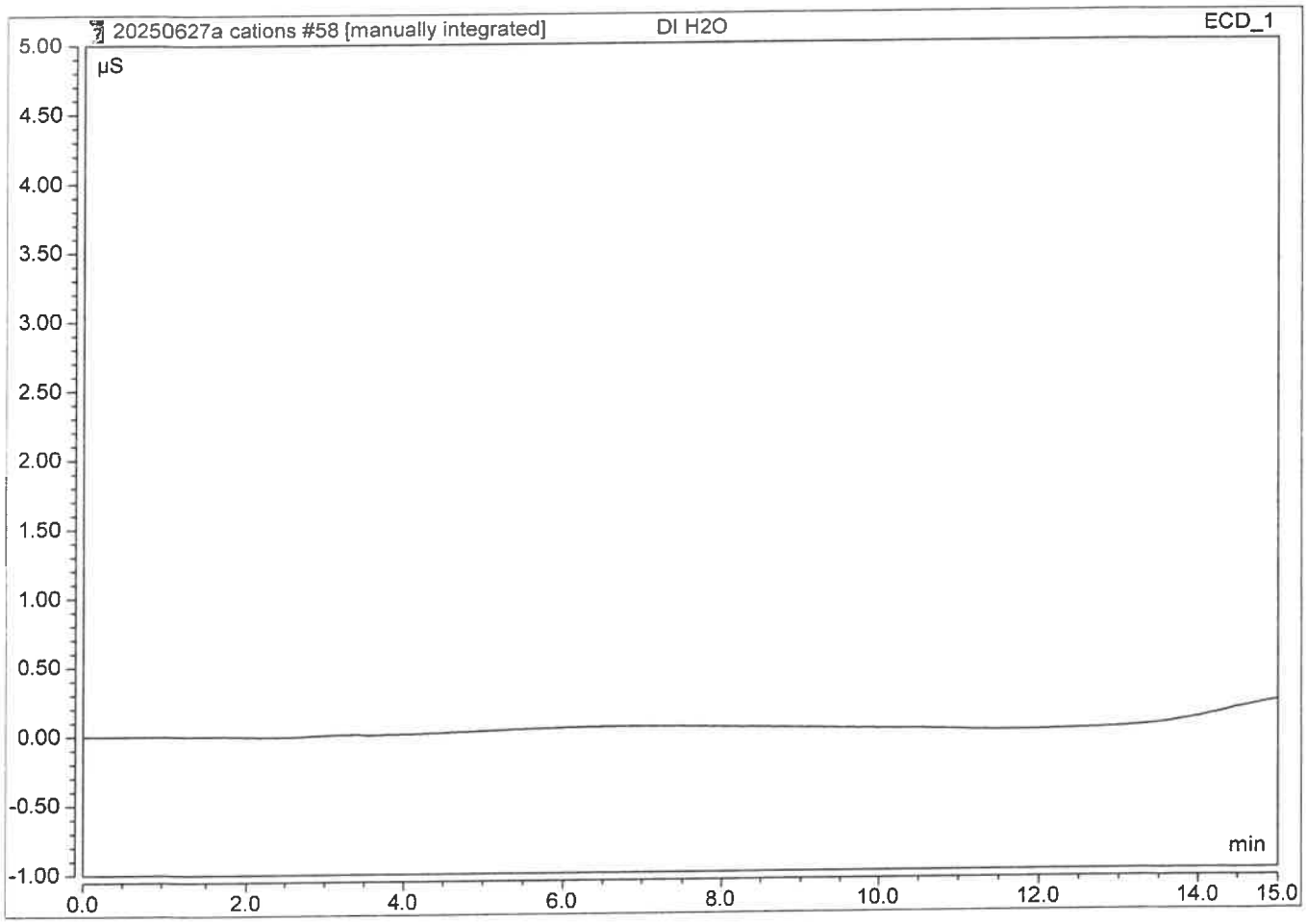
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.52	NH4+	BMB*	0.017	0.049	0.0166
		TOTAL:		0.02	0.05	0.02



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 06:23**	*Run Time:*	**15.00**

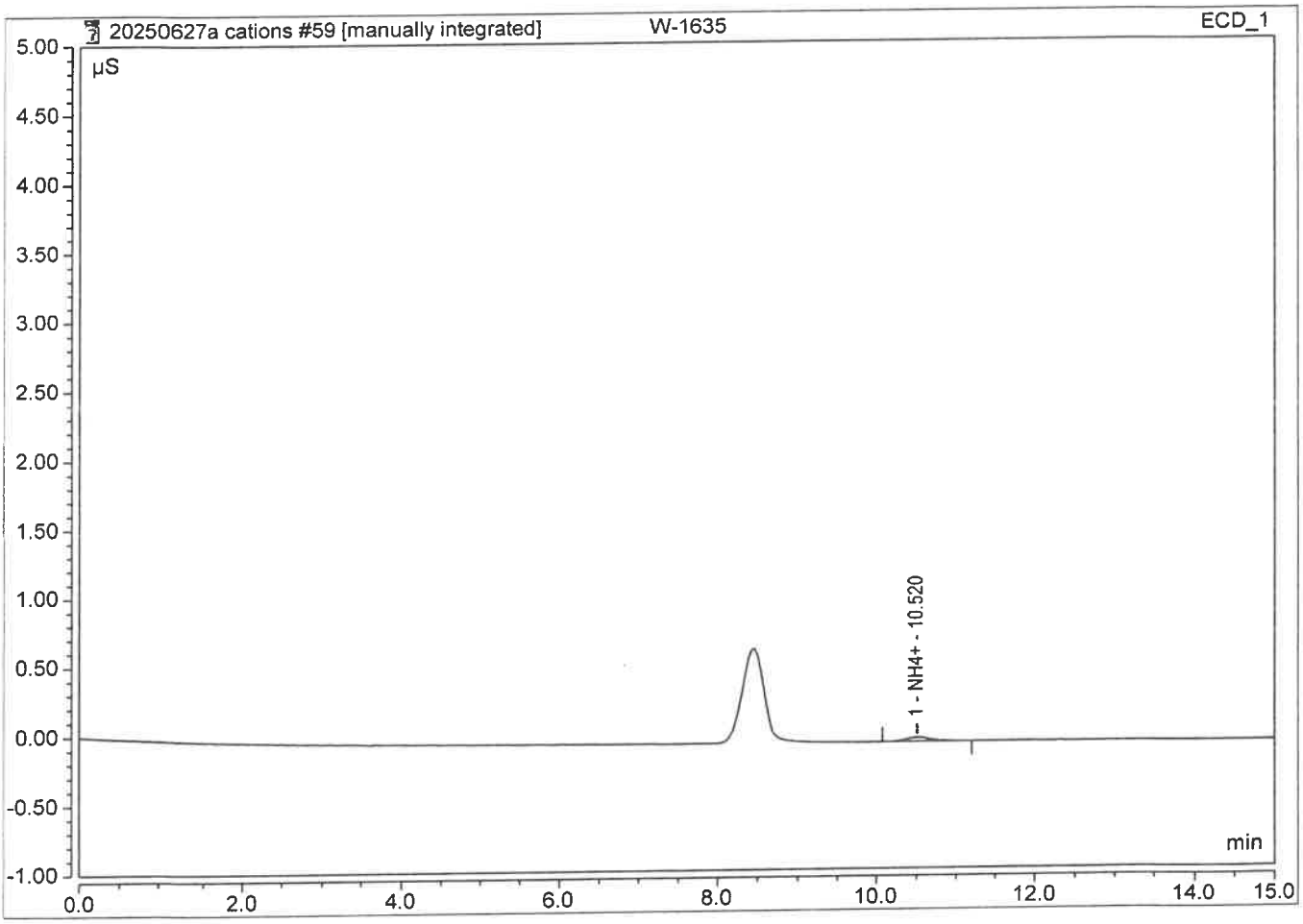
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1635**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 06:42**	*Run Time:*	**15.00**

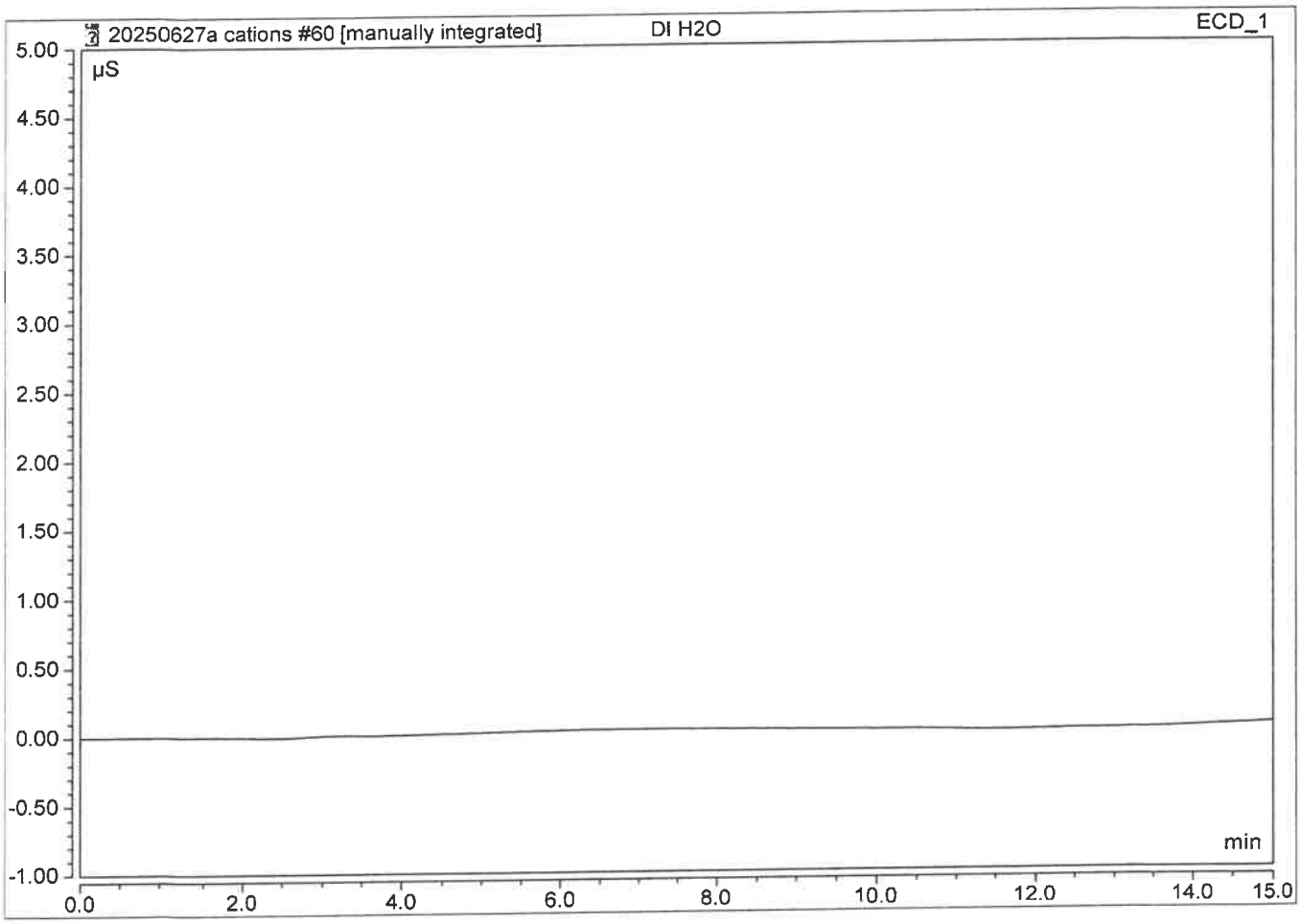
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.52	NH4+	BMB	0.010	0.029	0.0046
		TOTAL:		0.01	0.03	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 07:00**	*Run Time:*	**15.00**

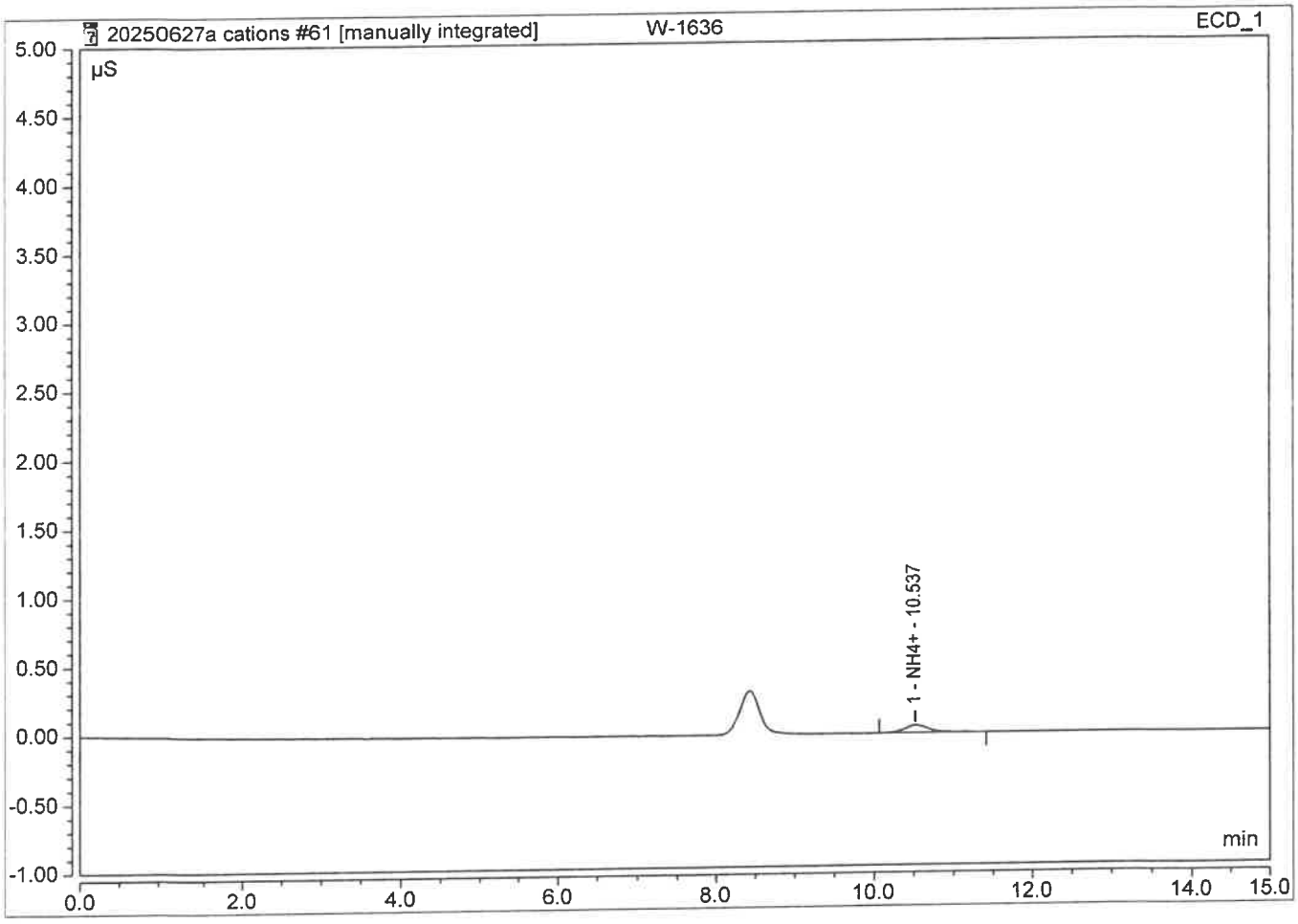
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1636**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 07:19**	*Run Time:*	**15.00**

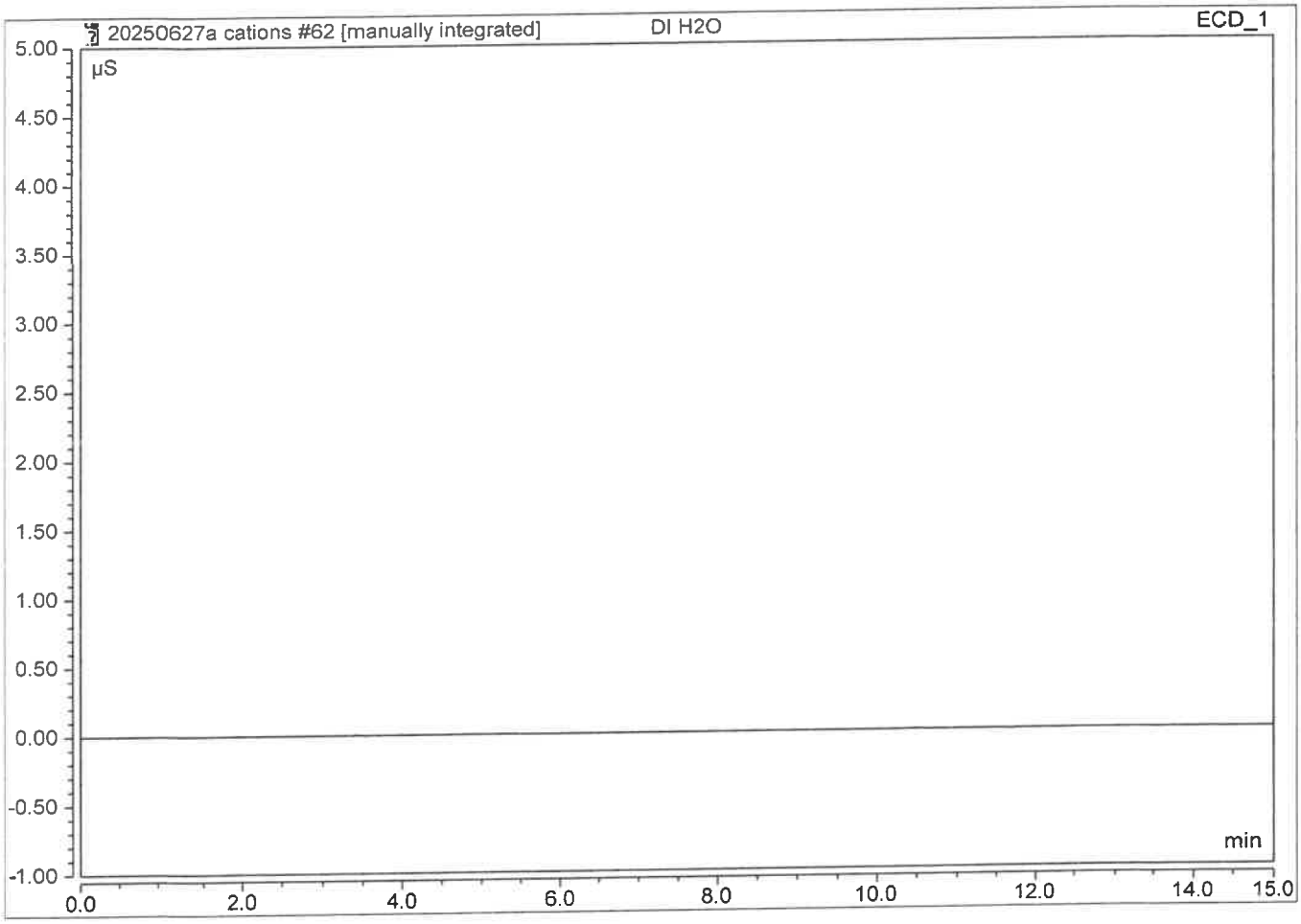
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.54	NH4+	BMB	0.019	0.054	0.0210
		TOTAL:		0.02	0.05	0.02



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 07:38**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
		TOTAL:		0.00	0.00	0.00

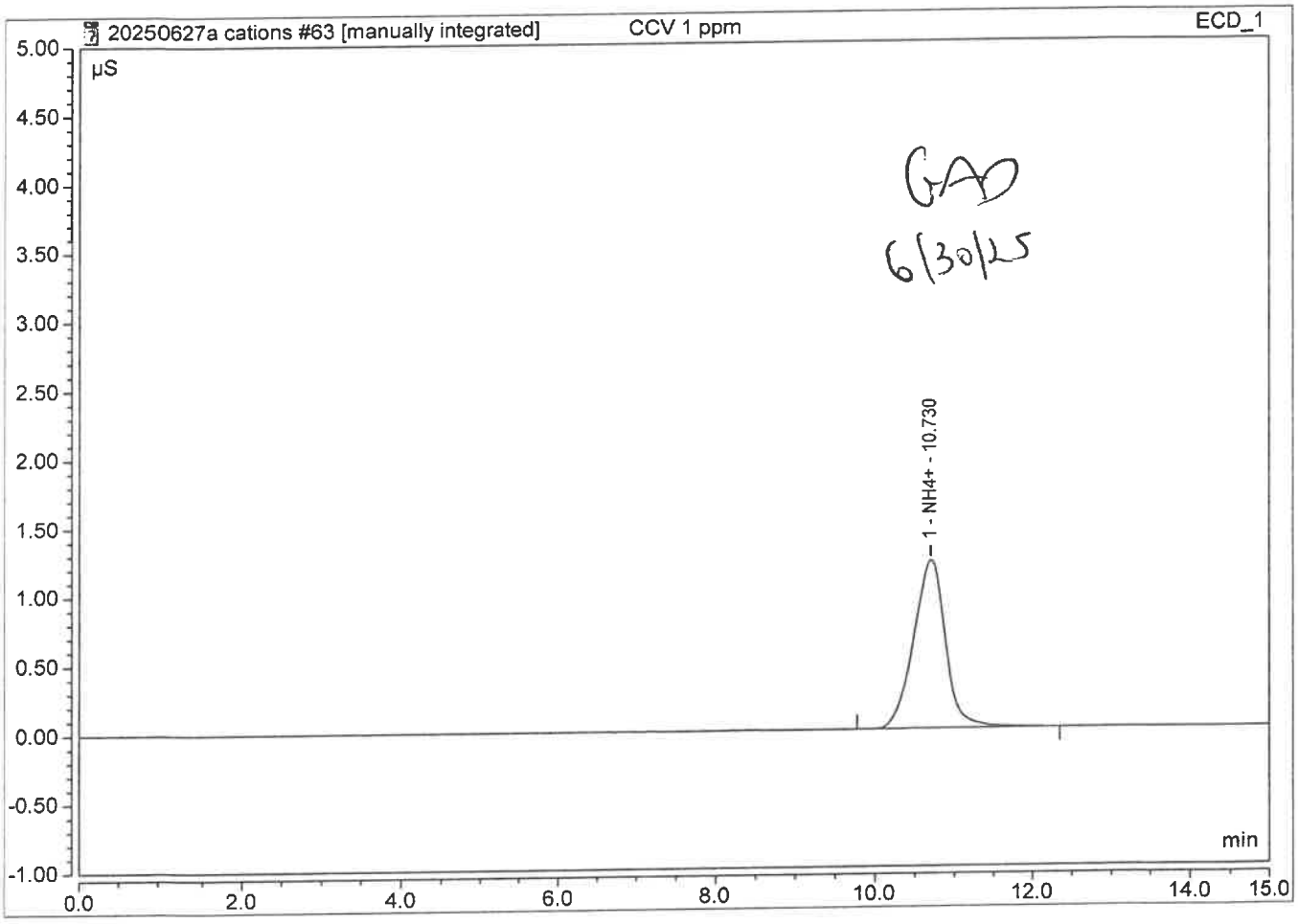


Peak Integration Report

Sample Name:	**CCV 1 ppm**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 07:57**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.73	NH4+	BMB*	0.567	1.220	1.0396
		TOTAL:		0.57	1.22	1.04

103.96% rec.

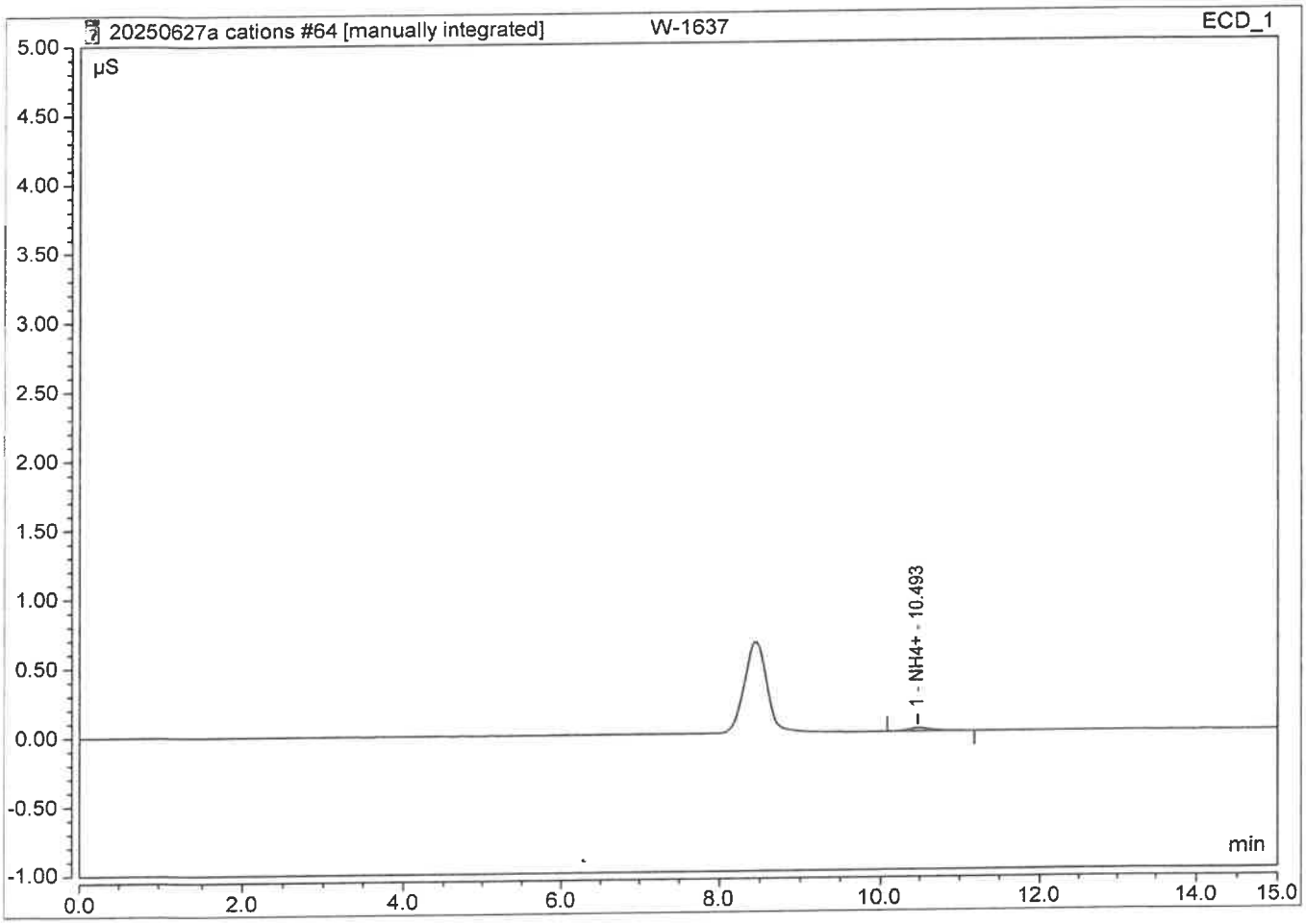


GAD
6/30/25

Peak Integration Report

Sample Name:	**W-1637**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 08:15**	*Run Time:*	**15.00**

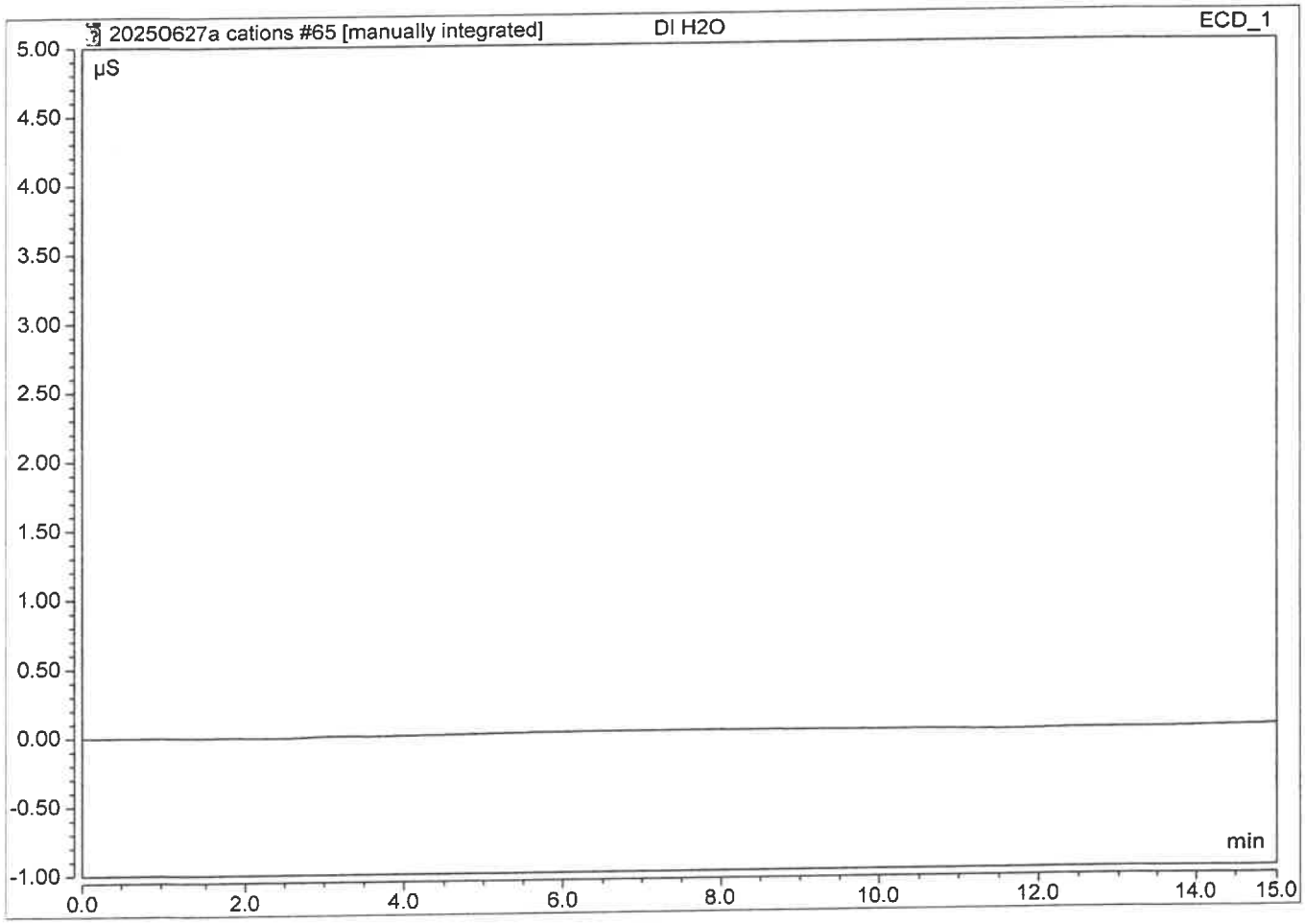
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.49	NH4+	BMB	0.008	0.023	0.0006
		TOTAL:		0.01	0.02	0.00



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 08:34**	*Run Time:*	**15.00**

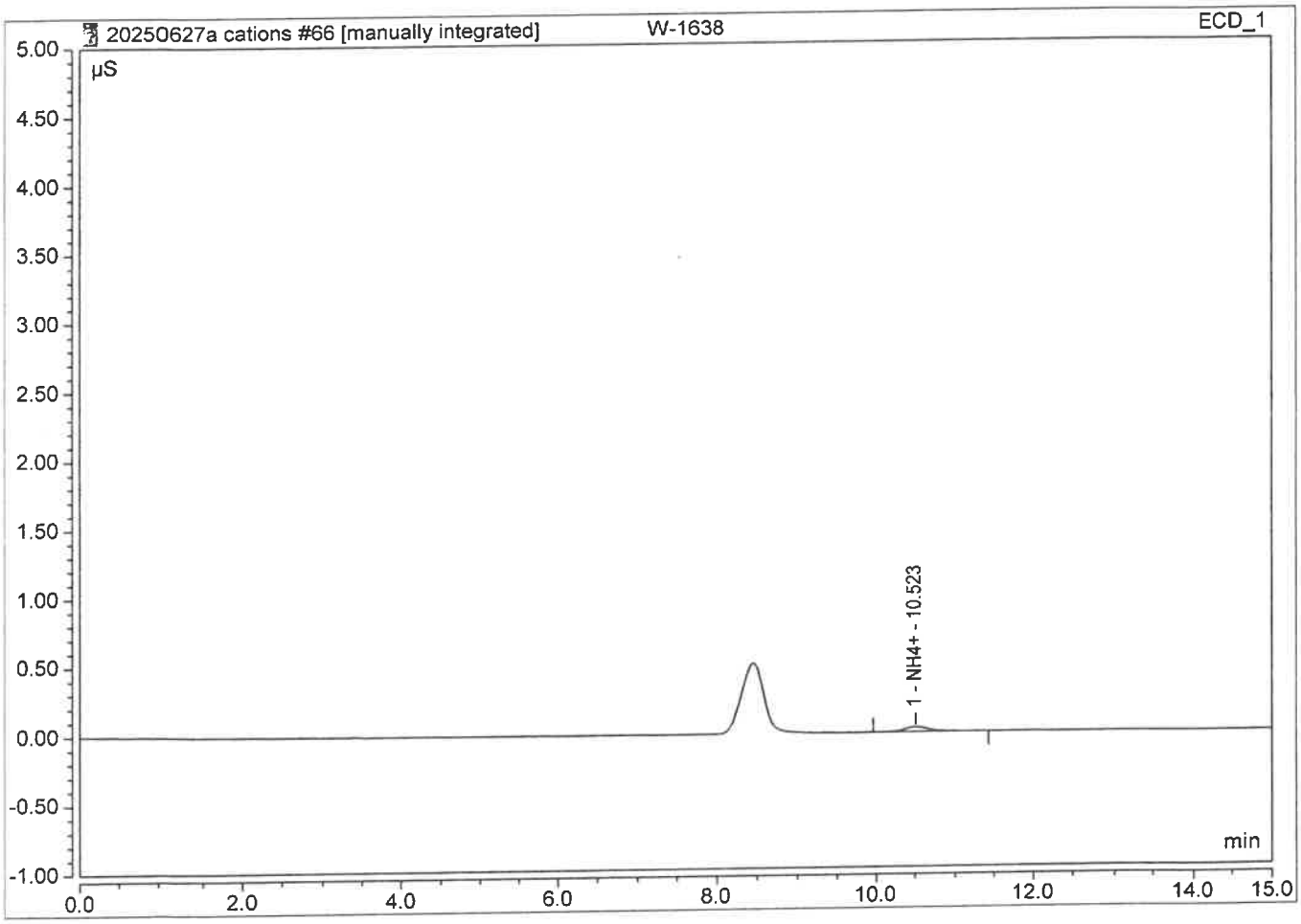
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00



Peak Integration Report

Sample Name:	**W-1638**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 08:53**	*Run Time:*	**15.00**

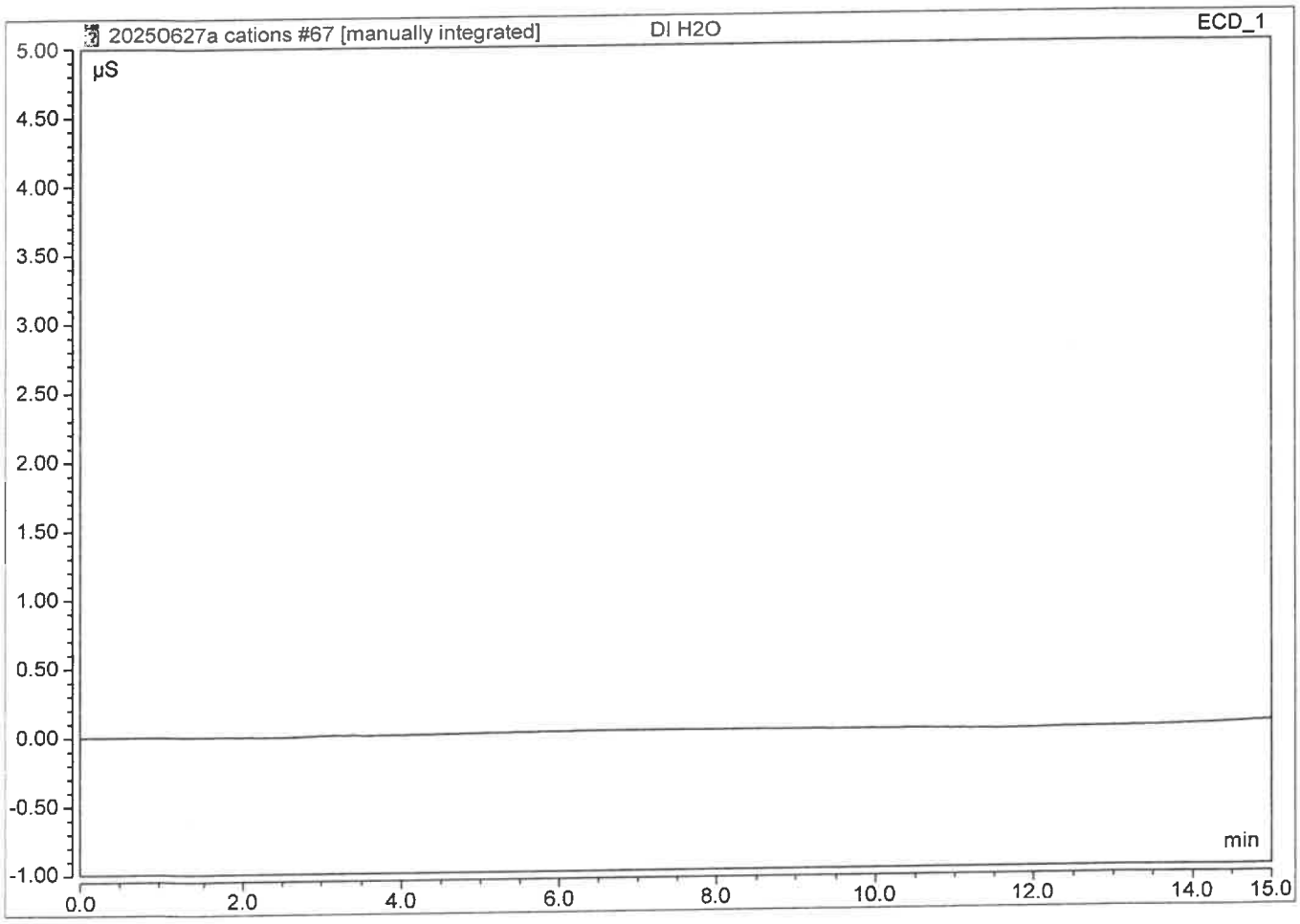
No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.52	NH4+	BMB	0.013	0.036	0.0103
		TOTAL:		0.01	0.04	0.01



Peak Integration Report

Sample Name:	**DI H2O**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 09:11**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount n.a.
TOTAL:				0.00	0.00	0.00

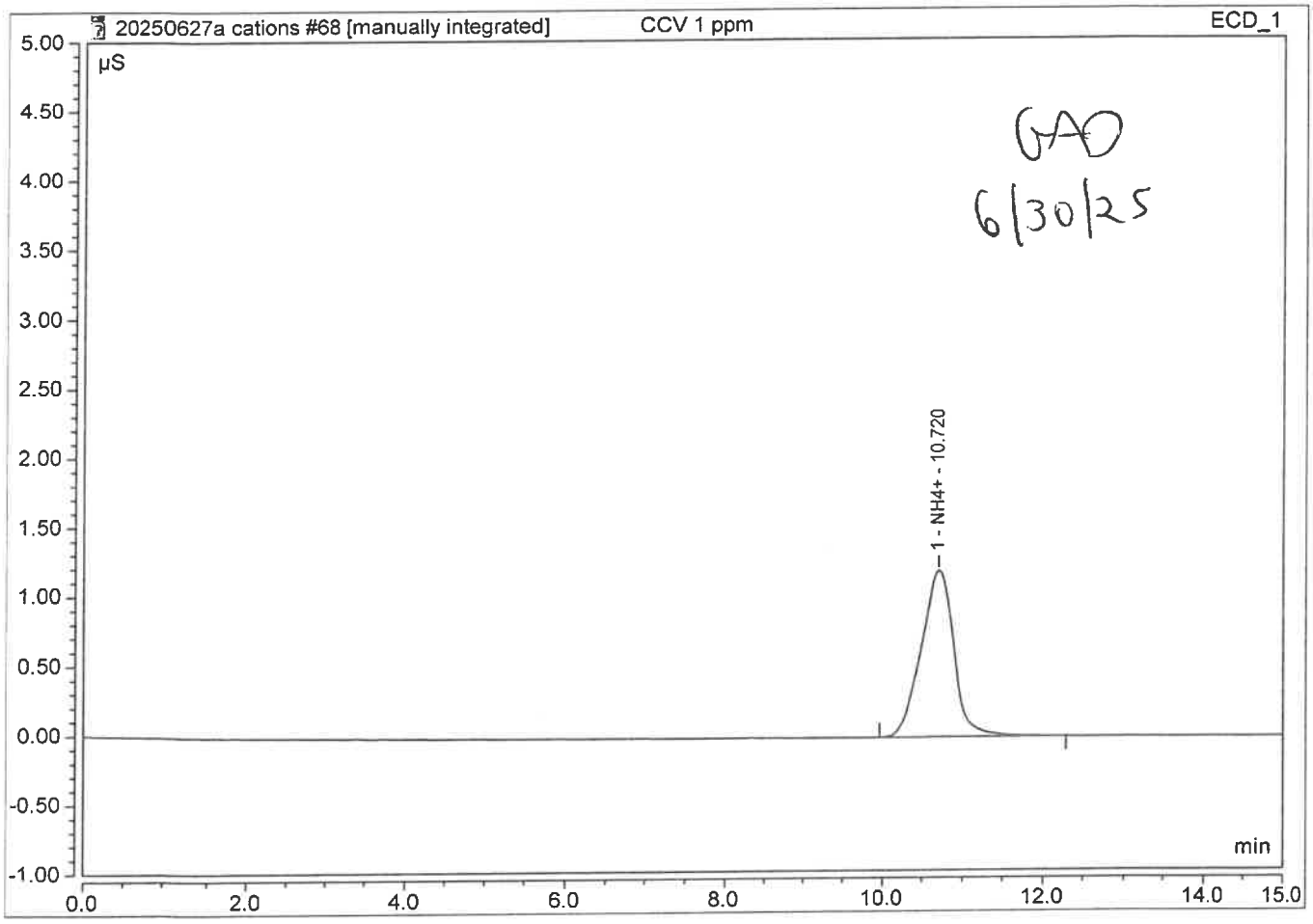


Peak Integration Report

Sample Name:	**CCV 1 ppm**	*Inj. Vol.:*	**50.00**
Injection Type:	**Unknown**	*Dilution Factor:*	**1.0000**
Instrument Method:	**20221215**	*Operator:*	**gregory.duncan**
Inj. Date / Time:	**28-Jun-2025 / 09:30**	*Run Time:*	**15.00**

No.	Time min	Peak Name	Peak Type	Area µS*min	Height µS	Amount
1	10.72	NH4+	BMB*	0.561	1.197	1.0267
		TOTAL:		0.56	1.20	1.03

102.67% rec.



GAD 6/30/25

Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 70361011

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

July 08, 2025

Reports
Pace - West Borough
8 Walkup Drive
Westborough, MA 01581

RE: Project: L2536247
Pace Project No.: 70361011

Dear Reports:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alexandria Correa

Alexandria Correa for
Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Marty Vitanza, Alpha

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Pace Analytical Services, LLC
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Melville, NY 11747
516-370-6000

CERTIFICATIONS

Project: L2536247
Pace Project No.: 70361011

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Texas Certification #: T104704582
Florida Certification #: E871198

REPORT OF LABORATORY ANALYSIS

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Melville, NY 11747
516-370-6000

SAMPLE SUMMARY

Project: L2536247
Pace Project No.: 70361011

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70361011001	**MW-06A**	Water	06/10/25 12:59	06/14/25 08:20
70361011002	**MW-06B**	Water	06/10/25 12:50	06/14/25 08:20
70361011003	**MW-07A**	Water	06/10/25 11:53	06/14/25 08:20
70361011004	**MW-07B**	Water	06/10/25 12:00	06/14/25 08:20
70361011005	**MW-10B**	Water	06/10/25 10:00	06/14/25 08:20
70361011006	**MW-10A**	Water	06/10/25 10:00	06/14/25 08:20
70361011007	**MW-09A**	Water	06/10/25 09:10	06/14/25 08:20
70361011008	**MW-09B**	Water	06/10/25 09:15	06/14/25 08:20
70361011009	**MW-05B**	Water	06/09/25 15:02	06/14/25 08:20
70361011010	**MW-05A**	Water	06/09/25 15:05	06/14/25 08:20
70361011011	**MW-08B**	Water	06/09/25 14:20	06/14/25 08:20
70361011012	**MW-08A**	Water	06/09/25 13:25	06/14/25 08:20
70361011013	**MW-02A**	Water	06/09/25 12:00	06/14/25 08:20
70361011014	**MW-02B**	Water	06/09/25 11:45	06/14/25 08:20
70361011015	**MW-03B**	Water	06/09/25 10:55	06/14/25 08:20
70361011016	**MW-03A**	Water	06/09/25 10:48	06/14/25 08:20
70361011017	**MW-04A**	Water	06/09/25 09:28	06/14/25 08:20
70361011018	**MW-04B**	Water	06/09/25 09:30	06/14/25 08:20
70361011019	**DUP001**	Water	06/09/25 00:00	06/14/25 08:20

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SAMPLE ANALYTE COUNT

Project: L2536247
Pace Project No.: 70361011

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70361011001	**MW-06A**	SM 4500-S2 F-2011	JWM	1
70361011002	**MW-06B**	SM 4500-S2 F-2011	JWM	1
70361011003	**MW-07A**	SM 4500-S2 F-2011	JWM	1
70361011004	**MW-07B**	SM 4500-S2 F-2011	JWM	1
70361011005	**MW-10B**	SM 4500-S2 F-2011	JWM	1
70361011006	**MW-10A**	SM 4500-S2 F-2011	JWM	1
70361011007	**MW-09A**	SM 4500-S2 F-2011	JWM	1
70361011008	**MW-09B**	SM 4500-S2 F-2011	JWM	1
70361011009	**MW-05B**	SM 4500-S2 F-2011	JWM	1
70361011010	**MW-05A**	SM 4500-S2 F-2011	JWM	1
70361011011	**MW-08B**	SM 4500-S2 F-2011	JWM	1
70361011012	**MW-08A**	SM 4500-S2 F-2011	JWM	1
70361011013	**MW-02A**	SM 4500-S2 F-2011	JWM	1
70361011014	**MW-02B**	SM 4500-S2 F-2011	JWM	1
70361011015	**MW-03B**	SM 4500-S2 F-2011	JWM	1
70361011016	**MW-03A**	SM 4500-S2 F-2011	JWM	1
70361011017	**MW-04A**	SM 4500-S2 F-2011	JWM	1
70361011018	**MW-04B**	SM 4500-S2 F-2011	JWM	1
70361011019	**DUP001**	SM 4500-S2 F-2011	JWM	1

PACE-MV = Pace Analytical Services - Melville

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

PROJECT NARRATIVE

Project: L2536247
Pace Project No.: 70361011

Method: **SM 4500-S2 F-2011**
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: July 08, 2025

General Information:
19 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

H1: Analysis conducted outside the EPA method holding time.
- DUP001 (Lab ID: 70361011019)
- MW-02A (Lab ID: 70361011013)
- MW-02B (Lab ID: 70361011014)
- MW-03A (Lab ID: 70361011016)
- MW-03B (Lab ID: 70361011015)
- MW-04A (Lab ID: 70361011017)
- MW-04B (Lab ID: 70361011018)
- MW-05A (Lab ID: 70361011010)
- MW-05B (Lab ID: 70361011009)
- MW-08A (Lab ID: 70361011012)
- MW-08B (Lab ID: 70361011011)

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 407814

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70361011012

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- MS (Lab ID: 2160298)
  - Sulfide
- MSD (Lab ID: 2160299)
  - Sulfide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-06A **Lab ID: 70361011001** Collected: 06/10/25 12:59 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 14:55		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-06B **Lab ID: 70361011002** Collected: 06/10/25 12:50 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 14:58		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-07A **Lab ID: 70361011003** Collected: 06/10/25 11:53 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:01		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-07B **Lab ID: 70361011004** Collected: 06/10/25 12:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:05		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-10B **Lab ID: 70361011005** Collected: 06/10/25 10:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:08		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-10A **Lab ID: 70361011006** Collected: 06/10/25 10:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:11		

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-09A **Lab ID: 70361011007** Collected: 06/10/25 09:10 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:14		

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-09B **Lab ID: 70361011008** Collected: 06/10/25 09:15 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		06/17/25 15:18		

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516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-05B **Lab ID: 70361011009** Collected: 06/09/25 15:02 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:22		H1

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Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-05A **Lab ID: 70361011010** Collected: 06/09/25 15:05 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:25		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-08B **Lab ID: 70361011011** Collected: 06/09/25 14:20 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:28		H1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-08A **Lab ID: 70361011012** Collected: 06/09/25 13:25 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**0.40J**	mg/L	2.0	0.20	1		07/07/25 15:24		H1,M1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-02A **Lab ID: 70361011013** Collected: 06/09/25 12:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:31		H1

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516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-02B **Lab ID: 70361011014** Collected: 06/09/25 11:45 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:34		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-03B **Lab ID: 70361011015** Collected: 06/09/25 10:55 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/02/25 15:38		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-03A **Lab ID: 70361011016** Collected: 06/09/25 10:48 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:35		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-04A **Lab ID: 70361011017** Collected: 06/09/25 09:28 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:38		H1

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516-370-6000

ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: MW-04B **Lab ID: 70361011018** Collected: 06/09/25 09:30 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:41		H1

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ANALYTICAL RESULTS

Project: L2536247
Pace Project No.: 70361011

Sample: DUP001 **Lab ID: 70361011019** Collected: 06/09/25 00:00 Received: 06/14/25 08:20 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	**<0.20**	mg/L	2.0	0.20	1		07/07/25 15:44		H1

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516-370-6000

QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 70361011

QC Batch: 404805
QC Batch Method: SM 4500-S2 F-2011
Analysis Method: SM 4500-S2 F-2011
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70361011001, 70361011002, 70361011003, 70361011004, 70361011005, 70361011006, 70361011007, 70361011008

METHOD BLANK: 2141360 Matrix: Water
Associated Lab Samples: 70361011001, 70361011002, 70361011003, 70361011004, 70361011005, 70361011006, 70361011007, 70361011008

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	06/17/25 14:50	

LABORATORY CONTROL SAMPLE & LCSD: 2141361 2141362

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.1	14.0	100	100	85-115	1	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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516-370-6000

QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 70361011

QC Batch: 407258
QC Batch Method: SM 4500-S2 F-2011
Analysis Method: SM 4500-S2 F-2011
Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70361011009, 70361011010, 70361011011, 70361011013, 70361011014, 70361011015

METHOD BLANK: 2156548 Matrix: Water
Associated Lab Samples: 70361011009, 70361011010, 70361011011, 70361011013, 70361011014, 70361011015

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	07/02/25 15:07	

LABORATORY CONTROL SAMPLE & LCSD: 2156549 2156767

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Sulfide	mg/L	14	14.0	14.0	100	100	85-115	0	20	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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QUALITY CONTROL DATA

Project: L2536247
Pace Project No.: 70361011

QC Batch: 407814 — Analysis Method: SM 4500-S2 F-2011
QC Batch Method: SM 4500-S2 F-2011 — Analysis Description: 4500S2F W Sulfide Iodometric
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70361011012, 70361011016, 70361011017, 70361011018, 70361011019

METHOD BLANK: 2160296 — Matrix: Water
Associated Lab Samples: 70361011012, 70361011016, 70361011017, 70361011018, 70361011019

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	07/07/25 15:20	

LABORATORY CONTROL SAMPLE: 2160297

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	14	14.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2160298 2160299

Parameter	Units	70361011012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	0.40J	2.8	2.8	1.5J	1.5J	39	40	70-130		20	H1,M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

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Melville, NY 11747
516-370-6000

QUALIFIERS

Project: L2536247
Pace Project No.: 70361011

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

H1	Analysis conducted outside the EPA method holding time.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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575 Broad Hollow Road
Melville, NY 11747
516-370-6000

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2536247
Pace Project No.: 70361011

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70361011001	**MW-06A**	SM 4500-S2 F-2011	404805		
70361011002	**MW-06B**	SM 4500-S2 F-2011	404805		
70361011003	**MW-07A**	SM 4500-S2 F-2011	404805		
70361011004	**MW-07B**	SM 4500-S2 F-2011	404805		
70361011005	**MW-10B**	SM 4500-S2 F-2011	404805		
70361011006	**MW-10A**	SM 4500-S2 F-2011	404805		
70361011007	**MW-09A**	SM 4500-S2 F-2011	404805		
70361011008	**MW-09B**	SM 4500-S2 F-2011	404805		
70361011009	**MW-05B**	SM 4500-S2 F-2011	407258		
70361011010	**MW-05A**	SM 4500-S2 F-2011	407258		
70361011011	**MW-08B**	SM 4500-S2 F-2011	407258		
70361011012	**MW-08A**	SM 4500-S2 F-2011	407814		
70361011013	**MW-02A**	SM 4500-S2 F-2011	407258		
70361011014	**MW-02B**	SM 4500-S2 F-2011	407258		
70361011015	**MW-03B**	SM 4500-S2 F-2011	407258		
70361011016	**MW-03A**	SM 4500-S2 F-2011	407814		
70361011017	**MW-04A**	SM 4500-S2 F-2011	407814		
70361011018	**MW-04B**	SM 4500-S2 F-2011	407814		
70361011019	**DUP001**	SM 4500-S2 F-2011	407814		

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WO# : 70361011

70361011

Subcontract Chain of Custody

Pace Analytical (Melville)
575 Broad Hollow Road
Melville, NY 11747

Pace Job Number
L2536247

Page 1

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To:west.subreports@pacelabs.com Bill To:invoices@pacelabs.coupahost.com Phone: 508.439.5155 Email: Marty.Vitanza@pacelabs.com	Project Location: NY Project Manager: Marty Vitanza **Turnaround & Deliverables Information** Due Date: 06/24/25 Deliverables: ASP Category B Deliverables (Level 4)	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements

Reference following Pace Job Number on final report/deliverables: L2536247 Report to include Method and/or Regulatory required batch QC

Additional Comments: Need Data Package Need Data Package -MS/MSD needed on -12

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2536247-01	MW-06A	06-10-25 12:59	WATER	Sulfide			1
	L2536247-02	MW-06B	06-10-25 12:50	WATER	Sulfide			1
	L2536247-03	MW-07A	06-10-25 11:53	WATER	Sulfide			1
	L2536247-04	MW-07B	06-10-25 12:00	WATER	Sulfide			1
	L2536247-05	MW-10B	06-10-25 10:00	WATER	Sulfide			1
	L2536247-06	MW-10A	06-10-25 10:00	WATER	Sulfide			1
	L2536247-07	MW-09A	06-10-25 09:10	WATER	Sulfide			1
	L2536247-08	MW-09B	06-10-25 09:15	WATER	Sulfide			1
	L2536247-09	MW-05B	06-09-25 15:02	WATER	Sulfide			1
	L2536247-10	MW-05A	06-09-25 15:05	WATER	Sulfide			1
	L2536247-11	MW-08B	06-09-25 14:20	WATER	Sulfide			1
	L2536247-12	MW-08A	06-09-25 13:25	WATER	Sulfide		MS;MSD	3
	L2536247-13	MW-02A	06-09-25 12:00	WATER	Sulfide			1
	L2536247-14	MW-02B	06-09-25 11:45	WATER	Sulfide			1
	L2536247-15	MW-03B	06-09-25 10:55	WATER	Sulfide			1
	L2536247-16	MW-03A	06-09-25 10:48	WATER	Sulfide			1
	L2536247-17	MW-04A	06-09-25 09:28	WATER	Sulfide			1
	L2536247-18	MW-04B	06-09-25 09:30	WATER	Sulfide			1
	L2536247-20	DUP001	06-09-25 00:00	WATER	Sulfide			1

	Relinquished By:	Date/Time:	Received By:	Date/Time:
		6/13/25 1712		6/13 1712
		6/13		
	Oman	6/14/25 8:20		6/14/25, 8:20
Form No: AL_subcoc				

DC#_Title: ENV-FRM-MELV-0150 v2_Sample Container Count Melville
Effective Date: 4/12/2024

WO#: 70361011

PM: BDR **Due Date: 06/30/25**

CLIENT: ALPHA

Client: ALPHA

Work ID: L2536247

Profile #: 10350

COC Page 1 of 2

☐ u

☐ Add [illegible] to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC
1																																										1																													
2																																											1																													
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5																																											1																													
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11																																											1																													
12																																											3																													

Container Codes

Glass				Plastic	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
WG9O	8oz clear soil jar	AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	BP3R	250mL NH4SO4-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unpreserved plastic

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClActetic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials: [illegible]

Additional Comments

DC#_Title: ENV-FRM-MELV-0150 v2_Sample Container Count Melville
Effective Date: 4/12/2024

Client: ALPHA

Work ID: L2536247

Profile #: 10350

COC Page 2 of 2

☐ Use Point Number Spreadsheet ☐ Multiday Project

☐ Add SCLOGFD to first sample for field charge

COC Line Item	Matrix	VG9U	VG9C	VG9H	VG9S	VG9T	DG9Y	DG9P	DG9A	DG6T	DG9S	AG4U	AG3U	AG2U	AG1U	AG34	AG3S	AG4E	AG3T	AG2R	AG1T	AG1H	AG1A	AG5U	AG44	CG1U	WG9O	WG4O	BP4U	BP3U	BP2U	BP1U	BP3S	BP2S	BP4N	BP3N	BP2N	BP3C	BP3T	BP3S	BP3R	BP1Z	BP1N	BP1B	SP5T	R	WG2U	WGFU	WGKU	WGDU	ZPLC	GN	WP	TEDL	BGIH	LLHG	BG1N	IOC	SOC				
13																																										1																															
14																																										1																															
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Container Codes

Glass				Plastic	
VG9U	40mL unpres clear vial	AG4U	125mL unpres amber glass	BP4U	125mL unpreserved plastic
VG9C	vial	AG3U	250mL unpres amber glass	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	500mL unpres amber glass	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuirc clear vial	AG1U	1liter unpres amber glass	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	Ammonium Cl 250mL bottle	BP4N	125mL HNO3 plastic
DG9Y	40mL Citrate-Na Thiosulfate	AG3S	250mL H2SO4 amber glass	BP3N	250mL HNO3 plastic
DG9P	40mL amber vial - TSP	AG4E	125mL EDA amber glass	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	250mL Na Thio amber glass	BP3S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/CuSO4 40mL	AG1T	Na Thiosulfate 1L bottle	BP3C	NaOH 250mL bottle
CG1U	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	BP3T	250mL Trizma
WG9O	8oz clear soil jar	AG1A	(NH4Cl)	BP3S	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	BP3R	250mL NH4SO4-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z	1L NaOH, Zn Acetate
				BP1N	1L HNO3 plastic
				BP1B	Na Thiosulfate Amber Bottle

Misc.	
SP5T	120mL Coliform Na Thio
R	Terracore Kit
WG2U	2oz Unpreserved Jar
WGFU	4oz Unpreserved Jar
WGKU	8oz Unpreserved Jar
WGDU	16oz Unpreserved Jar
ZPLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WP	Wipe
LLHG	Low Level Hg Bottles
BG1N	1L HNO3 Clear Glass

IOC	
BP1U	1L unpreserved plastic
BP3N*	250mL HNO3 plastic
BP3C	250mL Sodium Hydroxide
AG2U	500mL unpres amber glass
BP3U	250mL unpreserved plastic

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	OIL
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoClAclelic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP1B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	525.3 Chemical Blend

Sender Initials

Additional Comments

DC#_Title: ENV-FRM-MELV-0024 v07_SCUR
Effective Date: 4/12/2024

WO#: 70361011

PM: BDR **Due Date: 06/30/25**
CLIENT: ALPHA

Client Name: Alpha **Project**

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☑ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐Yes ☑No **Seals intact:** ☐ Yes ☑ No **Temperature Blank Present:** ☑ Yes ☐ No
Packing Material: ☐Bubble Wrap ☐ Bubble Bags ☑ Ziploc ☐ None ☐ Other **Type of Ice:** (Wet) Blue None

Thermometer Used: TH214 **Correction Factor:** 0.2 ☐Samples on ice, cooling process has begun
Cooler Temperature(°C): 0.8 **Cooler Temperature Corrected(°C):** 1.0 **Date/Time 5035A kits placed in freezer** _____
Temp should be above freezing to 6.0°C

USDA Regulated Soil (☑ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: JH 6/14/25

				COMMENTS:
Chain of Custody Present:	☑Yes	☐No		1
Chain of Custody Filled Out:	☑Yes	☐No		2
Chain of Custody Relinquished:	☑Yes	☐No		3
Sampler Name & Signature on COC:	☑Yes	☐No	☐N/A	4
Samples Arrived within Hold Time:	☑Yes	☐No		5
Short Hold Time Analysis (<72hr):	☐Yes	☑No		6
Rush Turn Around Time Requested:	☐Yes	☑No		7
Sufficient Volume: (Triple volume provided for MS/MSD)	☑Yes	☐No		8
Correct Containers Used:	☑Yes	☐No		9
-Pace Containers Used	☑Yes	☐No		
Containers Intact:	☑Yes	☐No		10
Filtered volume received for Dissolved tests	☐Yes	☐No	☑N/A	11 Note if sediment is visible in the dissolved container
Sample Labels match COC: -Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	☑Yes	☐No		12

Date and Initials of person checking preservation: SLT 6/14/25

All containers needing preservation have been checked.	☐Yes	☐No	☑N/A	13 ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NaOH>12 Cyanide)	☐Yes	☐No	☑N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water)				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐Yes	☐No	☑N/A	14
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulf	☐Yes	☐No	☑N/A	15
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in ALK Bottle (>6mm):	☐Yes	☐No	☑N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☑N/A	16
Trip Blank Present:	☐Yes	☐No	☑N/A	17
Trip Blank Custody Seals Present	☐Yes	☐No	☑N/A	

Client Notification/ Resolution: **Field Data Required?** Y / N
Person Contacted: **Date/Time:**
Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS

FORM III INORGANIC-1

BLANKS

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract : L2536247

Method Blank Matrix: Water Instrument ID: 70WET0

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	2141360	C
Sulfide									<0.20	U

FORM III INORGANIC-2

BLANKS

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract : L2536247

Method Blank Matrix: Water Instrument ID: 70WET0

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	2156548	C
Sulfide									<0.20	U

FORM III INORGANIC-3

BLANKS

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract : L2536247

Method Blank Matrix: Water Instrument ID: 70WET0

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	2160296	C
Sulfide									<0.20	U

SAMPLE NO.

2160298MS

FORM V INORGANIC-1

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water Basis: Wet Parent Sample ID: MW-08A

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Sulfide	mg/L	70-130	1.5J	0.40J	2.8	39*

* Spike Recovery outside QC Limits

SAMPLE NO.

2160299MSD

FORM V INORGANIC-2

MATRIX SPIKE SAMPLE RECOVERY

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water Basis: Wet Parent Sample ID: MW-08A

Percent Moisture:

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Sulfide	mg/L	70-130	1.5J	0.40J	2.8	40*

* Spike Recovery outside QC Limits

SAMPLE NO.

2141362LCSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Sulfide	20	14.1	14.0	1

SAMPLE NO.

2156767LCSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Sulfide	20	14.0	14.0	0

SAMPLE NO.

2160299MSD

FORM VI INORGANIC-1
DUPLICATES

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water Concentration Units: mg/L

Percent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Sulfide	20	1.5J	1.5J	

SAMPLE NO.

2141361LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.1	100	85	115

SAMPLE NO.

2141362LCSD

FORM VII INORGANIC-2
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

SAMPLE NO.

2156549LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

SAMPLE NO.

2156767LCSD

FORM VII INORGANIC-2
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

SAMPLE NO.

2160297LCS

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Preparation Method: SM 4500-S2 F-2011 Batch: WET 91979

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2141360	2141360BLANK	06/17/2025	200	200
2141361	2141361LCS	06/17/2025	200	200
2141362	2141362LCSD	06/17/2025	200	200
70361011001	MW-06A	06/17/2025	1000	1000
70361011002	MW-06B	06/17/2025	1000	1000
70361011003	MW-07A	06/17/2025	1000	1000
70361011004	MW-07B	06/17/2025	1000	1000
70361011005	MW-10B	06/17/2025	1000	1000
70361011006	MW-10A	06/17/2025	1000	1000
70361011007	MW-09A	06/17/2025	1000	1000
70361011008	MW-09B	06/17/2025	1000	1000

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Preparation Method: SM 4500-S2 F-2011 Batch: WET 92441

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2156548	2156548BLANK	07/02/2025	200	200
2156549	2156549LCS	07/02/2025	200	200
2156767	2156767LCSD	07/02/2025	200	200
70361011009	MW-05B	07/02/2025	1000	1000
70361011010	MW-05A	07/02/2025	1000	1000
70361011011	MW-08B	07/02/2025	1000	1000
70361011013	MW-02A	07/02/2025	1000	1000
70361011014	MW-02B	07/02/2025	1000	1000
70361011015	MW-03B	07/02/2025	1000	1000

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Preparation Method: SM 4500-S2 F-2011 Batch: WET 92526

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2160296	2160296BLANK	07/07/2025	200	200
2160297	2160297LCS	07/07/2025	200	200
2160298	2160298MS	07/07/2025	1000	1000
2160299	2160299MSD	07/07/2025	1000	1000
70361011012	MW-08A	07/07/2025	200	200
70361011016	MW-03A	07/07/2025	1000	1000
70361011017	MW-04A	07/07/2025	1000	1000
70361011018	MW-04B	07/07/2025	1000	1000
70361011019	DUP001	07/07/2025	1000	1000

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - New York SDG No. : 70361011 Contract: L2536247

Instrument ID: 70WET0 Analysis Method: SM 4500-S2 F-2011

Start Date: 06/17/2025 14:50 End Date: 07/07/2025 15:44

Sample Name	Lab Sample ID	D/F	Date	Time	sulf
2141360BLANK	2141360	1	06/17/2025	14:50	X
2141361LCS	2141361	1	06/17/2025	14:51	X
2141362LCSD	2141362	1	06/17/2025	14:52	X
MW-06A	70361011001	1	06/17/2025	14:55	X
MW-06B	70361011002	1	06/17/2025	14:58	X
MW-07A	70361011003	1	06/17/2025	15:01	X
MW-07B	70361011004	1	06/17/2025	15:05	X
MW-10B	70361011005	1	06/17/2025	15:08	X
MW-10A	70361011006	1	06/17/2025	15:11	X
MW-09A	70361011007	1	06/17/2025	15:14	X
MW-09B	70361011008	1	06/17/2025	15:18	X
2156548BLANK	2156548	1	07/02/2025	15:07	X
2156549LCS	2156549	1	07/02/2025	15:08	X
2156767LCSD	2156767	1	07/02/2025	15:09	X
MW-05B	70361011009	1	07/02/2025	15:22	X
MW-05A	70361011010	1	07/02/2025	15:25	X
MW-08B	70361011011	1	07/02/2025	15:28	X
MW-02A	70361011013	1	07/02/2025	15:31	X
MW-02B	70361011014	1	07/02/2025	15:34	X
MW-03B	70361011015	1	07/02/2025	15:38	X
2160296BLANK	2160296	1	07/07/2025	15:20	X
2160297LCS	2160297	1	07/07/2025	15:21	X
MW-08A	70361011012	1	07/07/2025	15:24	X
2160298MS	2160298	1	07/07/2025	15:27	X
2160299MSD	2160299	1	07/07/2025	15:30	X
MW-03A	70361011016	1	07/07/2025	15:35	X
MW-04A	70361011017	1	07/07/2025	15:38	X
MW-04B	70361011018	1	07/07/2025	15:41	X
DUP001	70361011019	1	07/07/2025	15:44	X

Prep Log Report

Batch Information: WET_SULFIDE_91979_6/17/25

4500S2F | Sulfide

Analysis Method	SM22 4500-S2 F	Instrument	70WET0	Analyzed By	JWM	1:1 HCl	206380
Starch Indicator Solution	204544	Reviewed By	CEA	Reviewed By Date	06/19/2025 10:40	Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Initial Volume (mL)	Iodine 0.025N (mL)	Thio Start (mL)	Thio End (mL)	Sodium Thiosulfate 0.025N (g)	Sulfide	Units	Run Date/Time	Filtered	Glass Fiber Filters ()	Sample Notes
4500S2F W	BLANK	**2141360**	Y	200	209580 (5)	1.1	6.1	211172 (5.00)	0.00	mg/L	06/17/2025 14:50:33	Yes	188807 ()	
4500S2F W	LCS	**2141361**	Y	200	209580 (10)	6.14	9.1	211172 (2.96)	14.08	mg/L	06/17/2025 14:51:40	Yes	188807 ()	
4500S2F W	LCSD	**2141362**	Y	200	209580 (10)	9.1	12.1	211172 (3.00)	14.00	mg/L	06/17/2025 14:52:43	Yes	188807 ()	
4500S2F W	PS	**70361011001**	Y	1000	209580 (5)	9.6	14.5	211172 (4.90)	0.04	mg/L	06/17/2025 14:55:50	Yes	188807 ()	
4500S2F W	PS	**70361011002**	Y	1000	209580 (5)	14.5	19.5	211172 (5.00)	0.00	mg/L	06/17/2025 14:58:53	Yes	188807 ()	
4500S2F W	PS	**70361011003**	Y	1000	209580 (5)	19.5	24.5	211172 (5.00)	0.00	mg/L	06/17/2025 15:01:57	Yes	188807 ()	
4500S2F W	PS	**70361011004**	Y	1000	209580 (5)	24.6	29.6	211172 (5.00)	0.00	mg/L	06/17/2025 15:05:04	Yes	188807 ()	
4500S2F W	PS	**70361011005**	Y	1000	209580 (5)	29.6	34.6	211172 (5.00)	0.00	mg/L	06/17/2025 15:08:09	Yes	188807 ()	
4500S2F W	PS	**70361011006**	Y	1000	209580 (5)	34.6	39.6	211172 (5.00)	0.00	mg/L	06/17/2025 15:11:13	Yes	188807 ()	
4500S2F W	PS	**70361011007**	Y	1000	209580 (5)	39.6	44.6	211172 (5.00)	0.00	mg/L	06/17/2025 15:14:17	Yes	188807 ()	
4500S2F W	PS	**70361011008**	Y	1000	209580 (5)	44.6	49.6	211172 (5.00)	0.00	mg/L	06/17/2025 15:18:22	Yes	188807 ()	

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	BLANK	**2141360**	
4500S2F W	LCS	**2141361**	211939 (1)
4500S2F W	LCSD	**2141362**	211939 (1)
4500S2F W	PS	**70361011001**	

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	PS	**70361011002**	
4500S2F W	PS	**70361011003**	
4500S2F W	PS	**70361011004**	
4500S2F W	PS	**70361011005**	
4500S2F W	PS	**70361011006**	
4500S2F W	PS	**70361011007**	
4500S2F W	PS	**70361011008**	

Standard Notes:

211939: Wet Sulfide LCS/ Second Source 5mL

Prep Log Report

Batch Information: WET_SULFIDE_92441_7/2/25 **4500S2F | Sulfide**

Analysis Method	SM 4500-S2 F-2011	Instrument	70WET0	Analyzed By	JWM	1:1 HCl	214628
Starch Indicator Solution	204544	Reviewed By	SDO	Reviewed By Date	07/02/2025 15:53	Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Initial Volume (mL)	Iodine 0.025N (mL)	Thio Start (mL)	Thio End (mL)	Sodium Thiosulfate 0.025N (mL)	Sulfide	Units	Run Date/Time	Filtered	Glass Fiber Filters ()	Sample Notes
4500S2F W	BLANK	**2156548**	Y	200	209580 (5)	1.3	6.3	215884 (5.00)	0.00	mg/L	07/02/2025 15:07:43	Yes	188807 ()	
4500S2F W	LCS	**2156549**	Y	200	209580 (10)	6.3	9.3	215884 (3.00)	14.00	mg/L	07/02/2025 15:08:53	Yes	188807 ()	
4500S2F W	LCSD	**2156767**	Y	200	209580 (10)	9.3	12.3	215884 (3.00)	14.00	mg/L	07/02/2025 15:09:56	Yes	188807 ()	
4500S2F W	PS	**70363752001**	Y	250	209580 (5)	1.4	6.2	215884 (4.80)	0.32	mg/L	07/02/2025 15:12:04	Yes	188807 ()	
4500S2F W	PS	**70363761001**	Y	250	209580 (5)	6.2	11.1	215884 (4.90)	0.16	mg/L	07/02/2025 15:16:06	Yes	188807 ()	
4500S2F W	PS	**70363932001**	Y	250	209580 (5)	11.1	16	215884 (4.90)	0.16	mg/L	07/02/2025 15:19:08	Yes	188807 ()	
4500S2F W	PS	**70361011009**	Y	1000	209580 (5)	16	21	215884 (5.00)	0.00	mg/L	07/02/2025 15:22:11	Yes	188807 ()	
4500S2F W	PS	**70361011010**	Y	1000	209580 (5)	21	25.9	215884 (4.90)	0.04	mg/L	07/02/2025 15:25:14	Yes	188807 ()	
4500S2F W	RQS	**70361011011**	Y	1000	209580 (5)	25.9	30.9	215884 (5.00)	0.00	mg/L	07/02/2025 15:28:17	Yes	188807 ()	
4500S2F W	PS	**70361011013**	Y	1000	209580 (5)	30.9	35.8	215884 (4.90)	0.04	mg/L	07/02/2025 15:31:20	Yes	188807 ()	
4500S2F W	PS	**70361011014**	Y	1000	209580 (5)	35.8	40.8	215884 (5.00)	0.00	mg/L	07/02/2025 15:34:22	Yes	188807 ()	
4500S2F W	PS	**70361011015**	Y	1000	209580 (5)	40.8	45.8	215884 (5.00)	0.00	mg/L	07/02/2025 15:38:25	Yes	188807 ()	

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	BLANK	**2156548**	
4500S2F W	LCS	**2156549**	215909 (1)
4500S2F W	LCSD	**2156767**	215909 (1)

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	PS	**70363752001**	
4500S2F W	PS	**70363761001**	
4500S2F W	PS	**70363932001**	
4500S2F W	PS	**70361011009**	
4500S2F W	PS	**70361011010**	
4500S2F W	RQS	**70361011011**	
4500S2F W	PS	**70361011013**	
4500S2F W	PS	**70361011014**	
4500S2F W	PS	**70361011015**	

Standard Notes:

215909: Wet Sulfide LCS/ Second Source 5mL

Prep Log Report

Batch Information: WET_SULFDIE_92526_7/7/25

4500S2F | Sulfide

Analysis Method	SM 4500-S2 F-2011	Instrument	70WET0	Analyzed By	JWM	1:1 HCl	215993
Starch Indicator Solution	204544	Reviewed By		Reviewed By Date		Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Initial Volume (mL)	Iodine 0.025N (mL)	Thio Start (mL)	Thio End (mL)	Sodium Thiosulfate 0.025N (mL)	Sulfide	Units	Run Date/Time	Filtered	Glass Fiber Filters ()	Sample Notes
4500S2F W	BLANK	**2160296**	Y	200	209580 (5)	9.6	14.6	215884 (5.00)	0.00	mg/L	07/07/2025 15:20:11	Yes	188807 ()	
4500S2F W	LCS	**2160297**	Y	200	209580 (10)	14.6	17.6	215884 (3.00)	14.00	mg/L	07/07/2025 15:21:06	Yes	188807 ()	
4500S2F W	RQS	**70361011012**	Y	200	209580 (5)	17.6	22.4	215884 (4.80)	0.40	mg/L	07/07/2025 15:24:48	Yes	188807 ()	
4500S2F W	MS	**2160298**	Y	1000	209580 (5)	22.4	23.7	215884 (1.30)	1.48	mg/L	07/07/2025 15:27:56	Yes	188807 ()	
4500S2F W	MSD	**2160299**	Y	1000	209580 (5)	23.7	24.9	215884 (1.20)	1.52	mg/L	07/07/2025 15:30:56	Yes	188807 ()	
4500S2F W	PS	**70361011016**	Y	1000	209580 (5)	24.9	29.9	215884 (5.00)	0.00	mg/L	07/07/2025 15:35:25	Yes	188807 ()	
4500S2F W	PS	**70361011017**	Y	1000	209580 (5)	29.9	34.9	215884 (5.00)	0.00	mg/L	07/07/2025 15:38:32	Yes	188807 ()	
4500S2F W	PS	**70361011018**	Y	1000	209580 (5)	34.9	39.9	215884 (5.00)	0.00	mg/L	07/07/2025 15:41:44	Yes	188807 ()	
4500S2F W	PS	**70361011019**	Y	1000	209580 (5)	39.9	44.9	215884 (5.00)	0.00	mg/L	07/07/2025 15:44:49	Yes	188807 ()	

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	BLANK	**2160296**	
4500S2F W	LCS	**2160297**	215909 (1)
4500S2F W	RQS	**70361011012**	
4500S2F W	MS	**2160298**	215909 (1)
4500S2F W	MSD	**2160299**	215909 (1)
4500S2F W	PS	**70361011016**	

Prep Log Report

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	PS	**70361011017**	
4500S2F W	PS	**70361011018**	
4500S2F W	PS	**70361011019**	

Standard Notes:

215909: Wet Sulfide LCS/ Second Source 5mL